



## BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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### Bulletin 15 Description

Bulletin 15 is a listing of prequalified materials that are eligible for use on Department construction projects. The purpose of Bulletin 15 is to provide contractors, consultants, Department personnel, manufacturers, suppliers, and others with easy access to a complete and accurate listing of approved products and their approved uses. A listing in Bulletin 15 allows a product to be accepted by certification on PennDOT construction projects.

Bulletin 15 is available to the public in two formats: as a searchable database and as a PDF document.

Bulletin 15 listings are organized in the format of Publication 408, Specifications. A Bulletin 15 listing includes an assigned supplier code, the supplier name and address, the product name/type/use, and reference number. The reference number (Ref. No.) is the Product Evaluation control number under which the item was tested and approved (the first four digits are the year of submission). The absence of a reference number indicates that the item was approved prior to the implementation of the current numbering system. For precast and prestressed items, the reference number is the date of the approval letter from the Structural Materials Section. For traffic items, the Traffic Division "Certificate of Approval (COA)" number or date is provided.

Bulletin 15 listings will indicate if a Producer is on a reduced Level of Certification (i.e. at a certification level other than Level 1). Producers are assigned a Level of Certification, based on their ability to comply with the specifications. Material provided by Producers listed in Bulletin 15 is approved for use only in its intended application(s).

Bulletin 15 listings will also indicate by notation if a product has received either a **Provisional Approval** or a **Conditional Approval**. These approval categories usually involve products that require further monitoring. The Department has the right to remove any provisionally approved or conditionally approved manufacturer and/or product from Bulletin 15 immediately.

- Provisionally approved products are typically products approved under provisional specifications.
- Conditionally approved products are products approved under manufacturer's specifications. PennDOT may supplement or modify the manufacturer's specifications as needed using special provisions. (Note: If no Pub 408 specification section applies to a conditionally approved product, it will be listed in the 'Conditionally Approved Items' section of Bulletin 15.)
- Prior to use, manufacturers must contact PennDOT ([RA-pdETIProductUse@pa.gov](mailto:RA-pdETIProductUse@pa.gov)) each time a provisionally or conditionally approved product is to be used on a PennDOT project. Provisionally and conditionally approved products will be monitored for an appropriate period of time, based upon product type and risk. If the monitoring and evaluation of a provisionally or conditionally approved product is successful, the provisional or conditional approval notation in Bulletin 15 may be removed.



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### Bulletin 15 Material Approval Process

The Product Evaluation Application (Form [CS-4170](#)) is the means to submit products for consideration for approval and listing in Bulletin 15. The Product Evaluation Application requires company information, product description and technical information, and Quality Control plan information. The instructions for completing the Product Evaluation Application address eligibility requirements and detail the product evaluation process. Eligible firms who need assistance completing the application may contact the New Products Coordinator at (717) 787-7150.

The following entities are eligible to apply for Bulletin 15 approval:

- Manufacturers
- Steel Epoxy Coaters or Galvanizers
- Wood Treaters
- Steel, Aluminum or Timber Fabricators
- Machine Shops
- Paint Shops
- Precast/Prestressed Concrete Producers
- Cement Plants or Terminals
- Pozzolan Providers
- Bituminous Terminals or Refineries

Suppliers, distributors, or companies that outsource the manufacturing of their products, or private label products that are manufactured by other companies are typically not eligible to submit a Product Evaluation Application (for approval and listing in Bulletin 15) unless the outsourcing company performs all required quality control testing and verifications and assumes full responsibility for the performance of the product. Non-eligible companies may obtain products or material from any approved source listed in Bulletin 15, for resale to pre-qualified contractors.

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### Bulletin 15 Levels of Certification

Material provided by Producers listed in Bulletin 15 is approved for use only in its intended application(s). Producers will be assigned a Level of Certification, based on their ability to comply with the specifications, as follows:

- LEVEL 1-Test material at the minimum frequency identified in the approved Quality Control (QC) Plan. Ship on the basis of certification.
- LEVEL 2-Test material at an increased frequency, as identified in a revised QC Plan, coordinated with the Bureau of Project Delivery (BOPD). Continue to ship on the basis of certification. Submit an action plan to demonstrate how material and processes are to be controlled to ensure the product consistently meets specification requirements.
- LEVEL 3-Test material at LEVEL 2 frequency and arrange for additional testing at the LEVEL 2 frequency by an independent laboratory. Correlate test results from in-house and independent lab and continue to ship on the basis of certification.
- LEVEL 4-Test material at LEVEL 2 frequency and arrange for additional testing at the LEVEL 2 frequency by an independent laboratory. Correlate test results from in-house and independent lab. Certify that the material meets specifications; submit samples to the Laboratory Testing Section (LTS) for verification; and ship only after notification of acceptable lot test results from the BOPD. Failure to advance above this level of certification will result in the Department's initiating action for suspension/removal from Bulletin 15 according to the State's Contractor Responsibility Program.

The BOPD will determine the Level of Certification for each Producer. Producers will initially be assigned a LEVEL 1 certification until performance dictates a reevaluation.



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### Bulletin 15 Material Certification

A completed Form [CS-4171](#), "Certificate of Compliance" must be submitted, with each shipment of material to the project. Form CS-4171 must be properly signed by a legally responsible company official.

Certain Bulletin materials require the submission of supplemental CS-4171 certification in addition to Form CS-4171, to provide traceability of materials in multi-step manufacturing processes.

- Epoxy coated or galvanized reinforcement steel requires the submission of supplemental certification Form [CS-4171C](#) (Epoxy Coating or Galvanizing Facility) and/or Form [CS-4171F](#) (Fabrication Facility).
- Structural steel, aluminum, or precast/prestressed concrete products, produced in a Bulletin 15 approved facility with an on-site state inspector or a state representative, must be stamped with an approved inspection stamp at the plant and certified with a Form CS-4171.

Certain Bulletin materials require a form of certification other than the Form CS-4171, as identified in the particular material specification.

- Section 701 and 702 materials require a properly completed vendor bill of lading.
- Certification of daily bituminous mixtures requires submission of Form CS-4171A or Form TR-465.

Form CS-4171 is completed by the manufacturer, fabricator, or producer (**Producer**) of Bulletin material provided to the project. The Producer maintains the original Form CS-4171 and provides a copy of Form CS-4171 with each direct shipment to the project. Producers must maintain all component certifications for purchased Bulletin materials, at their place of business for a period of not less than 3 years from the date of the last shipment to the project. Certification files must be available for inspection by the Department.

When a Producer sells a Bulletin 15 material to a distributor/supplier (**Shipper**), the Producer provides a copy of Form CS-4171 with each delivery to the shipper. When a shipper provides Bulletin 15 material directly to the project, the shipper completes and signs a new Form CS-4171 and provides a copy with each direct shipment to the project. The shipper will maintain the copy of the Producer's Form CS-4171 that they have received. Shippers must maintain a certification file for purchased Bulletin materials to provide an audit trail to the Producer. Certifications for purchased Bulletin materials must be maintained at their place of business for a period of not less than 3 years from the date of the last shipment to the project. Certification files must be available for inspection by the Department.

The **Contractor** must ensure that Form CS-4171 is received for each project shipment of Bulletin material. The Contractor must submit to the Representative a properly completed and signed copy of Form CS-4171 for each project shipment. The contractor should not incorporate any Bulletin



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material in the work until certification arrives on the project, unless otherwise approved by the Representative. Payment for material will be withheld until proper certification documentation is received. The Contractor must retain Form CS-4171 for a period of not less than 3 years from the date of the last project shipment. Make files available for inspection and verification by the Department.

To insure conformance to the specifications, products may be monitored via quality assurance, verification and acceptance testing to ensure the quality of the material used is maintained. Random sampling and testing will be performed by the Construction Quality Assurance Section and the Laboratory Testing Section, Bureau of Project Delivery. Also, District personnel may sample specific materials whenever they suspect that a material does not meet specifications.

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### Bulletin 15 Removal Actions

A manufacturer and/or product(s) may be removed from Bulletin 15 for any of the following reasons:

- Any action or inaction that may affect the quality of the product, the integrity of the test results, or the implementation of the Quality Control plan.
- Failure of the product to meet appropriate specifications.
- Failure to submit or adhere to a Quality Control Plan.
- Falsification of information provided on the Certificate of Compliance Form CS-4171, CS-4171C or CS-4171F.
- Failure to supply samples, test results, or other information requested by the Department.
- Failure to notify the Bulletins Administrator at (717) 783-9673 within ten (10) days of any change in company contact information (name, address, or phone number) or change in product information (name, formula, quality control plan, or manufacturing process).
- Commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
- Commission of fraud or a criminal offense or other improper conduct or knowledge or approval of, or acquiescence in these activities by an affiliate, officer, employee or other individual or entity associated with either obtaining, attempting to obtain or performing a public contract or subcontract. Acceptance of the benefits derived from the conduct shall be deemed evidence of knowledge, approval or acquiescence.
- Violation of Federal or State antitrust statutes.
- Violation of a State or Federal law regulating campaign contributions.
- Violation of a State or Federal environmental law.
- Violation of a State or Federal law regulating hours of labor, minimum wage standards or prevailing wage standards; discrimination in wages; or child labor violations.
- Violation of the Workers' Compensation Act (77 P. S. § § 1-2626).



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- Violation of a State or Federal law prohibiting discrimination in employment.
  - Suspension or debarment by the Commonwealth or an agency thereof or an agency of another state or by an agency or department of the Federal government.
  - Three or more occurrences of being declared ineligible for a contract.
  - Unsatisfactory performance including failure to comply with the terms of a Commonwealth contract or subcontract including:
    - Willful failure to perform in accordance with the terms of one or more contracts, or a history of failure to perform, or of unsatisfactory performance of one or more contracts.
    - Failure to complete the work in the time frame specified in the contract.
    - Being declared in default on prior work or project.
    - Failure to submit documents, information or forms as required by contract.
    - Making false statements or failing to provide information or otherwise to cooperate with the contracting agency, the Office of State Inspector General or other Commonwealth authorities.
    - Discrimination in violation of laws or regulations in the conduct of business.
  - Providing false or misleading information to the Office of State Inspector General, Office of the Budget, the Department of the Auditor General, the Office of Attorney General, the Treasury Department, the Board of Claims, or other tribunal or court, the Department, or a representative of an agency as part of any investigation, audit, program review, certification, contract bids or proposals, applications or claims for payment. This information includes:
    - Financial statements.
    - Nondiscrimination forms.
    - Affidavits or statements of compliance with prevailing wage statutes.



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- Product descriptive literature and documents submitted in connection with claims for payment made or litigation against Commonwealth agencies.
  
  - Other acts or omissions indicating a lack of skill, ability, capacity, quality control, business integrity or business honesty.





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### **Section 106.02: Project-Specific Locally Approved Materials**

#### **106.02 Project-Specific Locally Approved Materials**

In accordance with Publication 408, Section 106.02 (a) 2.c, the following Pub 408 Sections contain construction materials that are defined as Project-Specific, Locally Approved Materials.

PennDOT does not require manufacturers of Project-Specific, Locally Approved Materials to submit a Product Evaluation Application (CS-4170) for approval and listing of their material(s) in Bulletin 15. Project-Specific, Locally Approved Materials are not listed in Bulletin 15.

Contractors proposing to use materials that meet the specification requirements must list them on Form CS-200 (Source of Supply-Materials) and submit them for local approval by the Representative (i.e. at the District or project level). Refer to the corresponding Pub 408 Sections for specification and documentation requirements.

Section 802: Topsoil Furnished and Placed

Section 860: Storm Inlet Protection

Section 867: Compost Filter Sock

Section 868: Compost Blanket and Compost Filter Berm



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## Section 419: Stone Matrix Asphalt Mixture

### 419.2(d) Stabilizer

Last Revised: 7/6/2015

	Product	Name	Ref. No.
LIB-1 15	Liberty Tire Recycling, LLC, 490 Ohio Street, Lockport, NY 14094 <a href="http://libertytire.com/Home.aspx">http://libertytire.com/Home.aspx</a>		
	Crumb Rubber (CR)	TR 20 Minus	2013-099Q
	Crumb Rubber (CR)	WTG 20	2013-098Q
LIB-2 15	Liberty Tire Recycling, LLC, 100 Talbot Avenue, Braddock, PA 15104 <a href="http://libertytire.com/Home.aspx">http://libertytire.com/Home.aspx</a>		
	Crumb Rubber (CR)	20 WMA	2013-097Q
MAHAN 15	Mahantango Enterprises, Inc., Rr #2, P. O. Box 680, Liverpool, PA 17045 <a href="http://www.mahantango.com/">http://www.mahantango.com/</a>		
	Crumb Rubber (CR)	MAH-1A	1994-031
NRIND 15	NRI Industries, Materials Division, 811 Progress Road, Chambersburg, PA 17201		
	Crumb Rubber (CR)		----
SPART 15	Sparton Enterprises, Inc., 3717 Clark Mill Rd., Barberton, OH 44203 <a href="http://spartonenterprises.com/">http://spartonenterprises.com/</a>		
	Crumb Rubber (CR)	58702 Ground Rubber	1991-072



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## Section 467: Heavy Duty Membranes

### 467.2(a) Heavy Duty Membranes

Last Revised: 7/6/2015

Product	Name	Letter Date	Membrane Width	Ref. No.	
<b>CRAF0 15</b>	<b>Crafco, Inc., 420 North Roosevelt Avenue, Chandler, AZ 85226 <a href="http://www.crafco.com/">http://www.crafco.com/</a></b>				
<b>Plant</b>	<b>121 Industrial Park Road Halls, TN 38040</b>				
	Heavy Duty Membrane	Geotac	9/15/1986	12	2000-139Q
	Heavy Duty Membrane	Geotac	9/15/1986	18	2000-139Q
	Heavy Duty Membrane	Geotac	9/15/1986	24	2000-139Q
	Heavy Duty Membrane	Geotac	9/15/1986	36	2000-139Q
	Heavy Duty Membrane	Geotac	9/15/1986	48	2000-139Q
	Heavy Duty Membrane	Paveprep	9/15/1986	12	2000-139Q
	Heavy Duty Membrane	Paveprep	9/15/1986	18	2000-139Q
	Heavy Duty Membrane	Paveprep	9/15/1986	20	2000-139Q
	Heavy Duty Membrane	Paveprep	9/15/1986	24	2000-139Q
	Heavy Duty Membrane	Paveprep	9/15/1986	36	2000-139Q
	Heavy Duty Membrane	Paveprep	9/15/1986	48	2000-139Q
<b>PROP1 15</b>	<b>Propex, Inc., 4019 Industry Drive, P.O. Box 22788, Chattanooga, TN 37416 <a href="http://www.propexglobal.com/">http://www.propexglobal.com/</a></b>				
	Heavy Duty Membrane	Petrotac	9/15/1986	12	1980-099
	Heavy Duty Membrane	Petrotac	9/15/1986	18	1980-099
	Heavy Duty Membrane	Petrotac	9/15/1986	24	1980-099
	Heavy Duty Membrane	Petrotac	9/15/1986	36	1980-099



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## Section 470: Bituminous Seal Coat

### 470.2 Bituminous Seal Coat

Last Revised: 7/9/2015

Refer to Bulletin 15, Section 702 for sources of bituminous material specified in Publication 408, Section 470.2(a).

Refer to Bulletin 14 for sources of coarse aggregate specified in Publication 408, Section 470.2(b).

The product listing below is conditionally approved as an alternate system to a Bituminous Seal Coat as specified in Publication 408, Section 470.2.

Product	Name	Ref. No.
NEWEE 15	New England Emulsions Corporation, 201 Lowland Street, Holliston, MA 01746 Rubberized Asphalt Seal Coat (RASC) <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	2005-056



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## Section 501: Reinforced or Plain Cement Concrete Pavements

### 501.2 Fiberglass Dowel Sleeve

Last Revised: 2/24/2015

	Product	Name	Ref. No.
BEDRP 15	Bedford Reinforced Plastics, 264 Reynoldsdale Road, Bedford, PA 15522 <a href="http://bedfordreinforced.com/">http://bedfordreinforced.com/</a> Dowel Bar Sleeve, Reinforced Plastic		1997-151
CPULT 15	Creative Pultrusions, 214 Industrial Lane, P.O. Box 6, Alum Bank, PA 15521-0006 <a href="http://www.creativepultrusions.com/">http://www.creativepultrusions.com/</a> Dowel Bar Sleeve, Reinforced Plastic	Pultex 1500 (Fiberglass reinforced)	1992-199
STRFG 15	Structural Fiberglass, Inc., Business Route 220 North, Bedford, PA 15522 <a href="http://www.structuralfiberglass.com/">http://www.structuralfiberglass.com/</a> Dowel Bar Sleeve, Reinforced Plastic		1997-150



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## Section 503: Protective Coating for Cement Concrete Pavement

### 503.2 Boiled Linseed Oil (AASHTO M233)

Last Revised: 7/6/2015

See also Section 1019.2(a)

	Product	Name	Ref. No.
CHEMM 15	Chem Masters, 300 Edward Street, Madison, OH 44057 <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Anti-Spall 55	2004-149Q
DAYT1 15	Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Anti-Spall (J-33) Formerly: Day Chem Anti-Spall	1990-147
DEGEN 15	Degen Oil & Chemical Company, 200 Kellogg Street, P.O. Box 5240, Jersey City, NJ 07305 Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Boiled Linseed Oil	1998-173
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Euco Linseed Oil Treatment	----
MEDW1 15	W. R. Meadows, Inc., 2100 Monroe Street, P. O. Box 7550, York, PA 17404-0550 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Sealtight Lin-Seal	1992-265
PRUET 15	Pruett-Schaffer Chemical Company, 3327 Stafford Street, Pittsburgh, PA 15204 <a href="http://www.pruett-schaffer.com/">http://www.pruett-schaffer.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Anti-Spalling Compound	1997-080
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Certi-Vex Linseed Anti-Spall	2000-066Q
WKTEK 15	Wicktek, Inc., P.O. Box 59, Farmington, PA 15437 <a href="http://wicktek.com/">http://wicktek.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Densicrete	1995-049
ZIMME 15	E.E. Zimmerman Company, 1370 Old Freeport Rd., Suite 2A, P.O. Box 111254, Pittsburgh, PA 15238 <a href="http://www.eezimmermanco.com/contact.asp">http://www.eezimmermanco.com/contact.asp</a> Boiled Linseed Oil (AASHTO M233), See also Section 1019.2(a)	Anti-Spalling Compound Concrete Sealer	----



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## Section 516: Concrete Pavement Patching

### 516.2 Concrete Pavement Patching

Last Revised: 7/9/2015

Refer to Publication 408, Section 516.2 for the various materials comprising concrete pavement patching.

The product listing below is conditionally approved as an alternate system to Concrete Pavement Patching as specified in Publication 408, Section 516.2.

Product	Name	Ref. No.
FTML1 15	Fort Miller Company, Inc., P.O. Box 98, Schuylerville, NY 12871-0098 <a href="http://www.fortmiller.com/">http://www.fortmiller.com/</a>	
Precast Concrete Slab	Super-Slab-Precast Concrete Pavement System (PCPS)	2009-124
<i>Full Depth Concrete Pavement Repair, Precast: Item 9516-2034 - 10" Depth and Item 9516-3036 - 12" Depth</i>		
<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		

### 516.2(k) Anchor Material

Last Revised: 7/9/2015

Product	Name	Ref. No.
ADHTC 15	Adhesives Technology Corporation, 450 East Copans, Pompano Beach, FL 33064 <a href="http://www.atcepoxy.com/">http://www.atcepoxy.com/</a>	
Dowel Bar Adhesive	CanRez 810	1992-013B*
Dowel Bar Adhesive	Ultrabond 1300	1992-013B
Dowel Bar Adhesive	Ultrabond 3	1992-013D
Dowel Bar Adhesive	Ultrabond HS-200	2002-048Q
Dowel Bar Adhesive	Ultrabond Speedset 2	1999-031Q
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>	
Dowel Bar Adhesive	Dural 452 Gel	2003-098Q
Dowel Bar Adhesive	Dural Fast Set Epoxy Gel	1999-184Q
HILT- 15	Hilti, Inc., 5400 South 122nd East Ave., P.O. Box 21148, Tulsa, OK 74121 <a href="https://www.hilti.com/">https://www.hilti.com/</a>	
Dowel Bar Adhesive	Hilti HVA Adhesive	2000-123Q
Dowel Bar Adhesive	RE-500 Anchoring Epoxy	2001-100Q



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## Section 516: Concrete Pavement Patching

### 516.2(k) Anchor Material

Last Revised: 7/9/2015

	Product	Name	Ref. No.
HILT1 15 Plant	Hilti, Inc., 5400 South 122nd East Ave., P.O. Box 21148, Tulsa, OK 74121 <a href="https://www.hilti.com/">https://www.hilti.com/</a>		
	Kaufering, Germany		
	Dowel Bar Adhesive	Hilti Hit HY 150 Injection Adhesive	1996-054
	Dowel Bar Adhesive	Hilti Hit HY-150 Max / Max SD	2008-153Q
	Dowel Bar Adhesive	Hit HY 10 PLUS	2014-106QA
ITW-R 15	ITW Red Head, 1300 N. Michael Drive, Wood Dale, IL 60191 <a href="http://www.itwredhead.com/">http://www.itwredhead.com/</a>		
	Dowel Bar Adhesive	EPCON Sys Acrylic 7	1997-027
KAUFM 15	Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131 <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
	Dowel Bar Adhesive	Sure-Poxy 116	1992-169
	Dowel Bar Adhesive	Sure-Poxy 117	1990-371
MEDW0 15	W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Dowel Bar Adhesive	Rezi-Weld Gel Paste Epoxy	1993-280
MKTFS 15	MKT Fastening, LLC, 1 Gunnebo Drive, Lonoke, AR 72086 <a href="http://www.mktfastening.com/">http://www.mktfastening.com/</a>		
	Dowel Bar Adhesive	Liquid Roc 300 Twin Tube Polyester Resin	1994-199
PLYGM 15	Polygem, Inc., 1105 Carolina Drive, West Chicago, IL 60185 <a href="http://www.polygem.com/">http://www.polygem.com/</a>		
	Dowel Bar Adhesive	#1257 Epoxy Anchoring Adhesive	1993-270
SIKA0 15 Facility	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Cresment, DE55 7RA		
	Dowel Bar Adhesive	Sikadur DOT SP 3/4 DBA (Epoxy as Injection Gel)	1989-236
	Dowel Bar Adhesive	Sikadur Injection Gel	1989-236
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Marion, OH		
	Dowel Bar Adhesive	Sikadur DOT SP 3/4 DBA (Epoxy as Injection Gel)	1989-236
	Dowel Bar Adhesive	Sikadur Injection Gel	1989-236





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## Section 516: Concrete Pavement Patching

### 516.2(k) Anchor Material

Last Revised: 7/9/2015

	Product	Name	Ref. No.
SIMST 15	Simpson Strong Tie, Inc., 136 Official Road, Addison, IL 60101 <a href="http://www.strongtie.com/">http://www.strongtie.com/</a> Dowel Bar Adhesive	Acrylic Tie	1999-223Q
SOCOM 15	Socom, Sogaris 196, 94656 Runngis Cdx, France Dowel Bar Adhesive	EPO 9030 Acrylic Adhesive	2004-181Q
UNITX 15	DSC Unitex, 3101 Gardner Ave., Kansas City, MO 64120 <i>Formerly Unitex</i> Dowel Bar Adhesive	Pro-Poxy 300 Fast	1996-004
		Dowel Bar Adhesive Pro-Poxy 400	2001-228Q

### 516.2(m) Preformed Cellular Polystyrene

Last Revised: 7/9/2015

	Product	Name	Ref. No.	
DOW-3 15	Dow Chemical Corporation, 200 Lackin Center, 1605 Joseph Drive, Midland, MI 48674 <a href="http://www.dow.com/">http://www.dow.com/</a> Cellular Polystyrene	High Performance Underlayment	1999-181Q	
INSYA 15	Insulation Corporation of America, 2571 Mitchell Ave., Allentown, PA 18103 <a href="http://insulationcorp.com/">http://insulationcorp.com/</a> Cellular Polystyrene	Ica-Lite EPS	1992-167	
OWENC 15	Owens Corning, One Owens Corning Parkway, Toledo, OH 43659 <a href="http://www.owenscorning.com/">http://www.owenscorning.com/</a> Cellular Polystyrene	Foamular 1000	2002-005Q	
		Cellular Polystyrene	Foamular 150	2002-005Q
		Cellular Polystyrene	Foamular 250	2002-005Q
		Cellular Polystyrene	Foamular 400	2002-005Q
		Cellular Polystyrene	Foamular 600	2002-005Q
PACTV 15	Kingspan Insulation LLC, 2100 RiverEdge Parkway, Suite 175, Atlanta, GA 30328 <i>Formerly Pactiv Building Products</i> Cellular Polystyrene	Amocor PB4	1988-270	



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## Section 523: Ultra-Thin Portland Cement Concrete Overlay

### 523.2(a) Virgin Polypropylene Fibers

Last Revised: 7/6/2015

	Product	Name	Ref. No.
FORTA 15	Forta Corporation, 100 Forta Drive, Grove City, PA 16127 <a href="http://www.forta-ferro.com/">http://www.forta-ferro.com/</a> Virgin Polypropylene Fibers	Forta Econo Net	2010-201Q



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## Section 601: Pipe Culverts

### 601.2(a)3a Reinforced Concrete (RC) Pipe

Last Revised: 7/9/2015

Companies maintaining an American Concrete Pipe Association Q-Cast certification or NPCA Pipe certification do not require in-plant inspection for standard design concrete pipe (any diameter).

All special design pipe will receive in-plant inspection and an inspection stamp, regardless of the manufacturer's certification status. Special design pipe are identified as those pipe for which the Department has not provided a standard design in BD-636. Special design pipe are identified in BD-636 by a double asterisk (\*\*). Pipe produced by Q-Cast or NPCA certified companies will be stenciled or stamped with the respective logos.

	Product	Name	Pipe Certification	Ref. No.
EAGLE 15	Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501			
		RC Pipe (End Section)	NPCA	----
		RC Pipe (Round)	NPCA	----
HANS2 15	Hanson Pipe & Precast, 7925 Empire Parkway, Macedonia, OH 44056-2144 <a href="http://www.hansonpipeandprecast.com/english/index.php">http://www.hansonpipeandprecast.com/english/index.php</a>			
		RC Pipe (Elliptical)	ACPA Q-Cast	----
		RC Pipe (Round)	ACPA Q-Cast	----
HANS3 15	Hanson Pipe & Precast, 1500 Haul Rd., Columbus, OH 43207 <a href="http://www.hansonpipeandprecast.com/english/index.php">http://www.hansonpipeandprecast.com/english/index.php</a>			
		RC Pipe (Elliptical)	NPCA	-
		RC Pipe (Round)	NPCA	----
HYDR1 15	Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 2000 Gregg Station Road, Oakdale, PA 15071 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a>			
		RC Pipe (Elliptical)	ACPA Q-Cast	----
		RC Pipe (End Section)	ACPA Q-Cast	----
		RC Pipe (Round)	ACPA Q-Cast	----
HYDR2 15	Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 800 Industrial Drive, Middletown, DE 19709 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a>			
		RC Pipe (Elliptical)	ACPA Q-Cast	----
		RC Pipe (End Section)	ACPA Q-Cast	----
		RC Pipe (Round)	ACPA Q-Cast	----
HYDR3 15	Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 4200 Universal Drive, Diamond, OH 44412 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a>			
		RC Pipe (Elliptical) <i>Only manufactures elliptical pipe with a major axis of 45" (1150mm) or greater</i>	ACPA Q-Cast	----
		RC Pipe (Round) <i>Only manufactures round pipe with a diameter of 48" (1200mm) or greater</i>	ACPA Q-Cast	----



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## Section 601: Pipe Culverts

### 601.2(a)3a Reinforced Concrete (RC) Pipe

Last Revised: 7/9/2015

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Product	Name	Pipe Certification	Ref. No.
<b>OLDP1 15</b>	<b>Oldcastle Precast, Inc., 1900 Pennsylvania Ave., Croydon, PA 19021</b> <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a>		
	RC Pipe (End Section)	ACPA Q-Cast	----
	RC Pipe (Round)	ACPA Q-Cast	----
<b>OLDP3 15</b>	<b>Oldcastle Pipe, 1900 Pennsylvania Ave., Croydon, PA 19021</b> <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a>		
<b>Plant</b>	<b>Hammonton, NJ</b>		
	RC Pipe (Elliptical)	ACPA Q-Cast	----
	RC Pipe (End Section)	ACPA Q-Cast	----
	RC Pipe (Round)	ACPA Q-Cast	----
<b>OLP-2 15</b>	<b>Oldcastle Precast, 3900 Glover Road, Easton, PA 18040</b> <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a>		
	<i>Formerly Modern Precast Concrete (MPCP1 15)</i>		
	RC Pipe (Elliptical)	NPCA	----
	RC Pipe (Round)	NPCA	----
<b>UPPCP 15</b>	<b>Upper Peninsula Concrete Pipe, P. O. Box 313, Escanaba, MI 49829</b> <a href="http://upconcretepipe.net/">http://upconcretepipe.net/</a>		
	RC Pipe (End Section)	NPCA	----
<b>VIANN 15</b>	<b>Vianini Pipe Inc., 39 Country Line Rd., P. O. Box 678, Somerville, NJ 08876</b> <a href="http://www.vianinipipe.com/">http://www.vianinipipe.com/</a>		
	RC Pipe (Elliptical)	ACPA Q-Cast	----
	RC Pipe (End Section)	ACPA Q-Cast	----
	RC Pipe (Round)	ACPA Q-Cast	----

### 601.2(a)3a Reinforced Concrete (RC) Pipe (Related Items)

Last Revised: 7/9/2015

Product	Name	Ref. No.
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## Section 601: Pipe Culverts

### 601.2(a)3a Reinforced Concrete (RC) Pipe (Related Items)

Last Revised: 7/9/2015

	Product	Name	Ref. No.
BAS-1 15 Plant	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Allentown, PA RC Pipe (Related Item) <i>Plasticizer for RCCP Mixes</i>	MasterCast 900 (RheoFIT 900)	2013-024Q
CONAM 15	Concrete Accessory Manufacturing, 211 East Dowland Street, Ludington, MI 49431 <a href="http://www.camsales.com/">http://www.camsales.com/</a> RC Pipe (Related Item) RC Pipe (Related Item)	Camlock Spacers (Pub. 280) Quik-Fit Stirrup Mat (Pub. 280)	1994-250 1994-249
ENGWP 15	Engineered Wire Products, Inc., 1200 N. Warpole Street, P. O. Box 313, Upper Sandusky, OH 43351 <a href="http://ewp1.com/">http://ewp1.com/</a> RC Pipe (Related Item)	"S" Stirrup Assemblies	2003-198Q
GRAC7 15	W.R. Grace and Company, 6051 West 65th St., Bedford Park, Chicago, IL 60638 <a href="https://grace.com/en-us">https://grace.com/en-us</a> RC Pipe (Related Item) <i>Plasticizer for RCCP Mixes</i>	DQuantec PI-466 (formerly DBM-S)	1992-285
KRETE 15	Krete Industries, P. O. Box 343, Butler, WI 53007 <a href="http://www.krete.com/">http://www.krete.com/</a> RC Pipe (Related Item) <i>Plasticizer for RCCP Mixes</i>	Krete Econo Plast	1992-343

### 601.2(a)4 Metal Pipes

Last Revised: 7/9/2015

Note: Approved pipe manufacturers listed in this section also may provide end sections and slope pipe fittings.

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
AMECI 15	American Cast Iron Pipe Company, 1501 31st Avenue North, Birmingham, AL 35207 <a href="http://www.american-usa.com/">http://www.american-usa.com/</a> Ductile Iron Pipe		2010-186Q



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## Section 601: Pipe Culverts

### 601.2(a)4 Metal Pipes

Last Revised: 7/9/2015

Note: Approved pipe manufacturers listed in this section also may provide end sections and slope pipe fittings.

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
CON03 15 Plant	Contech Engineered Solutions, LLC, Conyers, GA <a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Conyers, GA		
	Coated Corrugated Galvanized Steel Pipe		----
	Corrugated Aluminum Alloy Pipe		----
CON04 15 Plant	Contech Engineered Solutions, LLC, Mitchell, IN <a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Mitchell, IN		
	Corrugated Aluminum Alloy Pipe		----
CON05 15 Plant	Contech Engineered Solutions, LLC, Ashland, KY <a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Ashland, KY		
	Corrugated Steel Pipe, Metallic Coated		----
CON07 15 Plant	Contech Engineered Solutions, LLC, Schakopee, MN <a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Schakopee, MN		
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----
CON08 15 Plant	Contech Engineered Solutions, LLC, 41 Fenton St, Palmer, MA 01069-1811 <a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Palmer, MA		
	Coated Corrugated Galvanized Steel Pipe		----
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----



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## Section 601: Pipe Culverts

### 601.2(a)4 Metal Pipes

Last Revised: 7/9/2015

Note: Approved pipe manufacturers listed in this section also may provide end sections and slope pipe fittings.

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
CON11 15 Plant	Contech Engineered Solutions, LLC, Raleigh, NC <a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Raleigh, NC		
	Coated Corrugated Galvanized Steel Pipe		----
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----
CON12 15 Plant	Contech Engineered Solutions, LLC, 600 N Washington St., Greencastle, PA 17225 <a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Greencastle, PA		
	Coated Corrugated Galvanized Steel Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----
CULVE 15	Culverts, Inc., 330 Pittsburgh Ave., P.O. Box 271, Coraopolis, PA 15108 <a href="http://www.culvertsinc.com/Pages/default.aspx">http://www.culvertsinc.com/Pages/default.aspx</a>		
	Coated Corrugated Galvanized Steel Pipe		----
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----
LANE1 15	Lane Enterprises, Inc., Box 711, May Street, Bath, NY 14810 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----
LANE2 15	Lane Enterprises, Inc., 682 Quaker Valley Road, Bedford, PA 15522 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Coated Corrugated Galvanized Steel Pipe		----
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----



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## Section 601: Pipe Culverts

### 601.2(a)4 Metal Pipes

Last Revised: 7/9/2015

Note: Approved pipe manufacturers listed in this section also may provide end sections and slope pipe fittings.

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
LANE3 15	Lane Enterprises, Inc., 8271 Mercer St., P.O. Box 345, Pulaski, PA 16143 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----
LANE4 15	Lane Enterprises, Inc., 377 Crooked Lane, King of Prussia, PA 19406 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Corrugated Aluminum Alloy Pipe		----
	Corrugated Steel Pipe, Metallic Coated		----
MCWD1 15	McWane Ductile - New Jersey, 183 Sitgraves Street, Philipsburg, NJ 08865 <a href="http://mcwaneductile.com/">http://mcwaneductile.com/</a>		
	Ductile Iron Pipe		----
USP&F 15	U.S. Pipe & Foundry Company, 1101 E. Pearl St., Burlington, NJ 08016 <a href="http://www.uspipe.com/">http://www.uspipe.com/</a>		
	Ductile Iron Pipe		1983-085

### 601.2(a)4.b Corrugated Steel Pipe, Metallic Coated (Related Items)

Last Revised: 7/9/2015

	Product	Name	Ref. No.
J&J-D 15	J & J Drainage Products Company, 110 N Pershing, PO Box 0829, Hutchinson, KS 67504-0829 <a href="http://jjdrainage.com/">http://jjdrainage.com/</a>		
	Corrugated Steel Pipe (Related Items)	Band Angle	1984-073
LANE0 15	Lane Enterprises, Inc., 3905 Hartzdale Dr. (Suite 514), Camp Hill, PA 17011 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Corrugated Steel Pipe (Related Items)	Pipe Bands	1982-024
LMP-S 15	LMP Steel & Wire Company, 2000 East First Street, Maryville, MO 64468		
	Corrugated Steel Pipe (Related Items)	A-307 Grade A, 6" and 8" Electroplated, CMP Band Bolts	1991-120AB

### 601.2(a)4.d Coated Corrugated Galvanized Steel Pipe (Related Items)

Last Revised: 7/9/2015





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## Section 601: Pipe Culverts

### 601.2(a)4.d Coated Corrugated Galvanized Steel Pipe (Related Items)

Last Revised: 7/9/2015

Product	Name	Ref. No.
<b>DOW-2 15</b> Dow Chemical Company, 4520 Ashman Street, Building 9008, Customer Info., Midland, MI 48642 <a href="http://www.dow.com/">http://www.dow.com/</a>		
Coated Corrugated Galvanized Steel Pipe (Related Items) <i>Plastic coating for galvanized steel pipe</i>	Trenchcoat DAF 625	1990-304
<b>PUREA 15</b> Pure Asphalt Company, 3300 West 31st Street, Chicago, IL 60623 <a href="http://www.pureasphalt.com/">http://www.pureasphalt.com/</a>		
Coated Corrugated Galvanized Steel Pipe (Related Items) <i>Also listed under Section 702</i>	Culvert Mastic (Spray Grade)	1990-270

### 601.2(a)6 Thermoplastic Pipes

Last Revised: 7/9/2015

Type C: This pipe shall have a full circular cross section, with a corrugated surface both inside and outside. Corrugations may be either annular or helical.

Type S: This pipe shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
<b>ADS-0 15</b> Advanced Drainage Systems Inc., 4640 Trueman Blvd., Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>					
Group III Pipe (Polyethylene)		Type S	18" to 30" (15" maintenance)		1995-322
Group IV Pipe (Polyethylene)		Type S	36"		1995-322
Group IV Pipe (Polyethylene)		Type D	42" and 48"		1997-128
Group IV Pipe (Polyethylene)		Type S	42"		2000-003Q
Group IV Pipe (Polyethylene)		Type S	48"		2001-193Q
Group IV Pipe (Polyethylene)		Type S	60"		2003-069Q
Group V Pipe (Polyethylene)		Type C	18" to 24" (15" Maintenance)		1995-322
Group VI Pipe (Polyethylene)		Type S	18" to 48", 60"	432-04-01	----



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## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

Last Revised: 7/9/2015

Type C: This pipe shall have a full circular cross section, with a corrugated surface both inside and outside. Corrugations may be either annular or helical.

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Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

	Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
ADS-1 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>	Muncy, PA				
	Group III Pipe (Polyethylene)		Type S	18" to 30" (15" Maintenance)		1995-322
	Group IV Pipe (Polyethylene)		Type S	36"		1995-322
	Group IV Pipe (Polyethylene)		Type D	42" and 48"		1997-128
	Group IV Pipe (Polyethylene)		Type S	42"		2000-003Q
	Group IV Pipe (Polyethylene)		Type S	48"		2001-193Q
	Group IV Pipe (Polyethylene)		Type S	60"		2003-069Q
	Group V Pipe (Polyethylene)		Type C	18" to 24" (15" Maintenance)		1995-322
	Group VI Pipe (Polyethylene)		Type S	18" to 48", 60"	432-04-01	----
	Group VII Pipe (Polyethylene)		Type S	18" to 60"		2010-266Q

*Suspended: 18" Only. As of January 2015, ADS-1 has elected to suspend shipments to PennDOT for Group VII, 18", Type S Pipe.*

*All sizes Provisionally Approved: Special Provision c06012: Contact NPI two weeks before placement on a PennDOT Project.*

[RA-pdETIPProductUse@pa.gov](mailto:RA-pdETIPProductUse@pa.gov)



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## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

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Type S: This pipe shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

	Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
<b>ADS-2 15 Plant</b>	<b>Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a></b>					
	<b>Wooster, OH</b>					
	Group III Pipe (Polyethylene)		Type S	18" to 30" (15" Maintenance)		1995-322
	Group IV Pipe (Polyethylene)		Type S	36"		1995-322
	Group IV Pipe (Polyethylene)		Type D	42" and 48"		1997-128
	Group IV Pipe (Polyethylene)		Type S	42"		2000-003Q
	Group IV Pipe (Polyethylene)		Type S	48"		2001-193Q
	Group IV Pipe (Polyethylene)		Type S	60"		2003-069Q
	Group V Pipe (Polyethylene)		Type C	18" to 24" (15" Maintenance)		1995-322
	Group VI Pipe (Polyethylene)		Type S	18" to 48", 60"	432-04-01	----
<b>ADS-3 15 Plant</b>	<b>Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a></b>					
	<b>Ludlow, MA</b>					
	Group III Pipe (Polyethylene)		Type S	18" to 30" (15" Maintenance)		1995-322
	Group IV Pipe (Polyethylene)		Type S	36"		1995-322
	Group IV Pipe (Polyethylene)		Type D	42" and 48"		1997-128
	Group IV Pipe (Polyethylene)		Type S	42"		2000-003Q
	Group IV Pipe (Polyethylene)		Type S	48"		2001-193Q
	Group IV Pipe (Polyethylene)		Type S	60"		2003-069Q
	Group V Pipe (Polyethylene)		Type C	18" to 24" (15" Maintenance)		1995-322
	Group VI Pipe (Polyethylene)		Type S	18" to 48", 60"	432-04-01	----



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## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

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Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

	Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
ADS-4 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>	Buena Vista, VA				
	Group III Pipe (Polyethylene)		Type S	18" to 30" (15" Maintenance)		1995-322
	Group IV Pipe (Polyethylene)		Type S	36"		1995-322
	Group IV Pipe (Polyethylene)		Type D	42" and 48"		1997-128
	Group IV Pipe (Polyethylene)		Type S	42"		2000-003Q
	Group IV Pipe (Polyethylene)		Type S	48"		2001-193Q
	Group IV Pipe (Polyethylene)		Type S	60"		2003-069Q
	Group V Pipe (Polyethylene)		Type C	18" to 24" (15" Maintenance)		1995-322
	Group VI Pipe (Polyethylene)		Type S	18" to 48", 60"	432-04-01	----
ADS-6 15 Plant	Advanced Drainage Systems, Inc, 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>	Logan Township, NJ				
	Group VI Pipe (Polyethylene)		Type S	18" to 24"		2011-143Q
BAUGH 15	Baughman Tile Company, 8516 Township Rd. #137, Paulding, OH 45879 <a href="http://www.baughmantile.com/">http://www.baughmantile.com/</a>					
	Group III Pipe (Polyethylene)		Type S	18"		2000-040Q
	Group III Pipe (Polyethylene)		Type S	24"		2001-013Q
	Group III Pipe (Polyethylene)		Type S	30"		2001-014Q
	Group IV Pipe (Polyethylene)		Type S	36"		2003-050Q
	Group IV Pipe (Polyethylene)		Type S	42" and 48"		2010-035QAC
	Group VI Pipe (Polyethylene)		Type S	18" to 24"	432-04-01	----
	Group VI Pipe (Polyethylene)		Type S	42"		2010-035QB



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## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

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Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

	Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
CON00 15	Contech Engineered Solutions, LLC, 9025 Centre Pointe Drive, Suite 400, West Chester, OH 45069 <a href="http://www.conteches.com/">http://www.conteches.com/</a>					
	Group I Pipe (Polyvinyl Chloride)	A-2000 Pipe	Type S	15" to 36" (15" Maintenance Only)		2000-326Q
CON10 15 Plant	Contech Engineered Solutions, LLC, Springfield, IL 62703 <a href="http://www.conteches.com/">http://www.conteches.com/</a> Springfield, IL					
	Group I Pipe (Polyvinyl Chloride)	PS 46, A-2000 Pipe with Inline Bell	Type S	12", 15", 18", 21", 24", 30", 36"		2010-238QB
	<i>A2 liner pipe. Approved for 2' minimum fill height, 36' maximum fill height</i>					
DRAPR 15	Drainage Products, Inc., DBA Haviland Drainage Products Company, Main Street, Box 97, Haviland, OH 45851 <a href="http://haviland-drainage.com/#!/home">http://haviland-drainage.com/#!/home</a>					
	Group III Pipe (Polyethylene)		Type S	18" to 30"		2000-124Q
	Group IV Pipe (Polyethylene)		Type S	36" and 42"		2000-124A
	Group VI Pipe (Polyethylene)		Type S	18" to 48"	432-04-01	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

Last Revised: 7/9/2015

Type C: This pipe shall have a full circular cross section, with a corrugated surface both inside and outside. Corrugations may be either annular or helical.

Type S: This pipe shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
HANC0 15	Hancor, Inc., 401 Olive Street, P. O. Box 1047, Findlay, OH 45840 <a href="http://www.hancor.com/">http://www.hancor.com/</a>				
	Group III Pipe (Polyethylene)		18" to 30" (15" Maintenance Only)		----
	Group IV Pipe (Polyethylene)		36"		----
	Group IV Pipe (Polyethylene)		54" and 60"		1998-017
	Group IV Pipe (Polyethylene)	Sure-Lok Annular Corrugated, PE	42" (1050mm) and 48"(1200mm)		1997-134
	Group V Pipe (Polyethylene)		18" to 24" (15" Maintenance Only)		----
	Group VI Pipe (Polyethylene)	Type S	18" to 30"	432-04-01	----



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## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

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Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

	Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
HANC1 15 Plant	Hancor, Inc., 1 William Donnelly Parkway, Waverly, NY 14892 <a href="http://www.hancor.com/">http://www.hancor.com/</a> Waverly, NY					
	Group III Pipe (Polyethylene)			18" to 30" (15" Maintenance Only)		----
	Group IV Pipe (Polyethylene)			36"		----
	Group IV Pipe (Polyethylene)		Type S	54" and 60"		1998-017
	Group IV Pipe (Polyethylene)	Sure-Lok Annular Corrugated, PE		42" (1050mm) and 48"(1200mm)		1997-134
	Group V Pipe (Polyethylene)			18" to 24" (15" Maintenance Only)		----
	Group VI Pipe (Polyethylene)		Type S	18" to 30"	432-04-01	----
ISCFB 15	ISCO Industries, Inc., 926 Baxter Ave., P.O. Box 4545, Louisville, KY 40204 <a href="http://www.isco-pipe.com/en/">http://www.isco-pipe.com/en/</a> Connection Fabricator					
	Group I Pipe (Polyethylene)	Snap-Tite Culvert Liner		SDR<21, 18" to 48" (450mm to 1200mm)		1994-189
	<i>The Snap-Tite Connection is fabricated exclusively on pipe manufactured by Performance Pipe (Formerly Discopipe).</i>					
	Group I Pipe (Polyethylene)	Snap-Tite Culvert Liner		SDR=26, 21" to 48" (525mm to 1200mm)		1994-189
<i>The Snap-Tite Connection is fabricated exclusively on pipe manufactured by Performance Pipe (Formerly Discopipe).</i>						



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

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Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

	Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
<b>JMMC1 15</b> Plant	<b>J-M Manufacturing Company, 9 Peach Tree Hill Road, Livingston, NJ 07039 Franklin, PA</b>					
	Group I Pipe (Polyvinyl Chloride)			18" to 48"		1995-314
<b>LANE6 15</b> Plant	<b>Lane Enterprises, Inc., 34 Strohm Road, Shippensburg, PA 17257 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a> Shippensburg, PA</b>					
	Group III Pipe (Polyethylene)			18" to 30" (15" Maintenance ONLY)		1996-190
	Group III Pipe (Polyethylene)		Type S HDPE	24" (610mm)		1996-190
	Group IV Pipe (Polyethylene)		Type S HDPE	36" (915mm)		1996-272
	Group IV Pipe (Polyethylene)		Type S	42" (1050mm) and 48" (1200mm)		2004-047
	Group V Pipe (Polyethylene)			18" to 24" (15" Maintenance ONLY)		2010-098Q
	Group VI Pipe (Polyethylene)		Type S	18" to 48"	432-04-01	----
<b>LANE7 15</b>	<b>Lane Enterprises, Inc., 510 Kents Lane, Wytheville, VA 24382 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a></b>					
	Group III Pipe (Polyethylene)		Type S	18" to 24" (15" Maintenance Only)		2009-043Q
	Group III Pipe (Polyethylene)		Type S HDPE	30"		2010-099Q
	Group IV Pipe (Polyethylene)		Type S HDPE	36"		2010-100Q





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 601: Pipe Culverts

### 601.2(a)6 Thermoplastic Pipes

Last Revised: 7/9/2015

Type C: This pipe shall have a full circular cross section, with a corrugated surface both inside and outside. Corrugations may be either annular or helical.

Type S: This pipe shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
PERPI 15	Performance Pipe a Division of Chevron Phillips Chemical Company, 5085 W. Park Blvd. Suite 500, Plano, TX 75093 <a href="http://www.performancepipe.com/en-us/Pages/default.aspx">http://www.performancepipe.com/en-us/Pages/default.aspx</a>				
	Group I Pipe (Polyethylene)		SDR<21, 18" to 48" (450mm to 1200mm)		1994-094
	Group I Pipe (Polyethylene)		SDR=26, 21" to 48" (525mm to 1200mm)		1994-094
PRIM1 15 Plant	Prime Conduit, Inc., 23240 Chagrin Blvd, Suite 405, Cleveland, OH 44122 <a href="http://www.primeconduit.com/">http://www.primeconduit.com/</a> Oklahoma City, OK				
	Group I Pipe (Polyvinyl Chloride)	F 1803 Closed Profile Gravity Pipe	21" to 48"		1995-114
PWEGL 15	JM Eagle, 1742 E. Platteville Blvd., Pueblo West, CO 81007 <a href="http://www.jmeagle.com/">http://www.jmeagle.com/</a> Formerly PW Eagle				
	Group I Pipe (Polyvinyl Chloride)		18" to 30" (15" Maintenance Only)		1988-029
	Group I Pipe (Polyvinyl Chloride)		30" and 36" (Corrugated)		1997-007



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### 601.2(a)6 Thermoplastic Pipes

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Type S: This pipe shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Type D: This pipe shall consist of an essentially smooth waterway braced circumferentially or spirally with projections or ribs joined to an essentially smooth outer wall. Both walls shall be fused to, or continuous with, the internal supports.

Product	Name	Thermo Type	Pipe Size	SOL	Ref. No.
<b>ROYAL 15</b>	<b>Royal Pipe Systems, 131 Regalcrest Court, Woodbridge, Ontario, Canada</b>				
	Group I Pipe (Polyvinyl Chloride)		18" and 24"		2002-012Q
	Group I Pipe (Polyvinyl Chloride)		15"		2002-012Q
			Maintenance Only		



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 603: Metal Plate Culverts

### 603.2(a) Metal Plate Pipes, Metal Plate Pipe Arches, and Metal Plate Arches

Last Revised: 6/10/2015

Product	Name	Letter Date	Ref. No.
<b>CON06 15 Plant</b>	<b>Contech Engineered Solutions, LLC, 700 Tech Drive, Winchester, KY 40391 <a href="http://www.conteches.com/">http://www.conteches.com/</a></b>		
	<b>Winchester, KY</b>		
Metal Plate Culvert (Fabricator)	Aluminum Plate Box Culvert		1994-245
<i>This material has been downgraded to provisional approval status until the manufacturer provides fill height tables to BDTD.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Metal Plate Culvert (Fabricator)	Aluminum Plate Pipe		1994-246
<i>This material has been downgraded to provisional approval status until the manufacturer provides fill height tables to BDTD.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Metal Plate Culvert (Fabricator)	Steel Structural Plate for Culverts	10/26/2007	----
<b>CON14 15 Plant</b>	<b>Contech Engineered Solutions, LLC, 8301 State Highway 29 North,, Alexandria, MN 56308 <a href="http://www.conteches.com/">http://www.conteches.com/</a></b>		
	<b>Anderson, SC</b>		
	<b>Formerly Continental Bridge (CONBR)</b>		
Metal Plate Culvert (Fabricator)	Aluminum Plate Box Culvert		1994-245
<i>This material has been downgraded to provisional approval status until the manufacturer provides fill height tables to BDTD.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Metal Plate Culvert (Fabricator)	Aluminum Plate Pipe		1994-246
<i>This material has been downgraded to provisional approval status until the manufacturer provides fill height tables to BDTD.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Metal Plate Culvert (Fabricator)	Steel Structural Plate for Culverts	10/26/2007	----
<b>LANE3 15</b>	<b>Lane Enterprises, Inc., 8271 Mercer St., P.O. Box 345, Pulaski, PA 16143 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a></b>		
Metal Plate Culvert (Fabricator)	Aluminum Structural Plate Box Culverts		2012-110
Metal Plate Culvert (Fabricator)	Aluminum Structural Plate for Culverts		2006-041Q
<i>This material has provisional approval status until the manufacturer provides fill height tables to BDTD.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Metal Plate Culvert (Fabricator)	Steel Structural Plate for Culverts		----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 603: Metal Plate Culverts

### 603.2(a) Metal Plate Pipes, Metal Plate Pipe Arches, and Metal Plate Arches

Last Revised: 6/10/2015

	Product	Name	Letter Date	Ref. No.
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> Metal Plate Culvert (Fabricator)	Long Span Steel Culvert		1985-009



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 604: Combination Storm Sewer and Underdrain

### 604.2(a)1 Nonmetal Pipes

Last Revised: 7/14/2015

Type CP: This pipe with perforations shall have a full circular cross section, with a corrugated surface both inside and outside. Corrugations may be either annular or helical.

Type SP: This pipe with perforations shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Product	Name	AASHTO Pipe Type	Pipe Size	SOL	Ref. No.
<b>ADS-0 15</b>	<b>Advanced Drainage Systems Inc., 4640 Trueman Blvd., Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a></b>				
	Group IIIP Perforated Pipe (Polyethylene)	Type SP	12" to 30"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	36"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	42"		2000-002Q
	Group IVP Perforated Pipe (Polyethylene)	Type SP	48"		2001-194Q
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 48", 60"	432-04-01	----
	Group VP Perforated Pipe (Polyethylene)	Type CP	12" to 24"		1995-322
<b>ADS-1 15</b>	<b>Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a></b>				
<b>Plant</b>	<b>Muncy, PA</b>				
	Group IIIP Perforated Pipe (Polyethylene)	Type SP	12" to 30"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	36"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	42"		2000-002Q
	Group IVP Perforated Pipe (Polyethylene)	Type SP	48"		2001-194Q
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 48", 60"	432-04-01	----
	Group VP Perforated Pipe (Polyethylene)	Type CP	12" to 24"		1995-322
<b>ADS-3 15</b>	<b>Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a></b>				
<b>Plant</b>	<b>Ludlow, MA</b>				
	Group IIIP Perforated Pipe (Polyethylene)	Type SP	12" to 30"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	36"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	42"		2000-002Q
	Group IVP Perforated Pipe (Polyethylene)	Type SP	48"		2001-194Q
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 48", 60"	432-04-01	----
	Group VP Perforated Pipe (Polyethylene)	Type CP	12" to 24"		1995-322



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## Section 604: Combination Storm Sewer and Underdrain

### 604.2(a)1 Nonmetal Pipes

Last Revised: 7/14/2015

Type CP: This pipe with perforations shall have a full circular cross section, with a corrugated surface both inside and outside. Corrugations may be either annular or helical.

Type SP: This pipe with perforations shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Product	Name	AASHTO Pipe Type	Pipe Size	SOL	Ref. No.
ADS-4 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>				
	Buena Vista, VA				
	Group IIIP Perforated Pipe (Polyethylene)	Type SP	12' to 30"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	36"		1995-322
	Group IVP Perforated Pipe (Polyethylene)	Type SP	42"		2000-002Q
	Group IVP Perforated Pipe (Polyethylene)	Type SP	48"		2001-194Q
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 48", 60"	432-04-01	----
BAUGH 15	Baugman Tile Company, 8516 Township Rd. #137, Paulding, OH 45879 <a href="http://www.baugmantile.com/">http://www.baugmantile.com/</a>				
	Group IIIP Perforated Pipe (Polyethylene)	Type SP	24" and 30"		2001-015-016Q
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 24"	432-04-01	----
CON00 15	Contech Engineered Solutions, LLC, 9025 Centre Pointe Drive, Suite 400, West Chester, OH 45069 <a href="http://www.conteches.com/">http://www.conteches.com/</a>				
	Group IP Perforated Pipe (Polyvinyl Chloride)	Type SP	12" to 36"		2000-327Q
DRAPR 15	Drainage Products, Inc., DBA Haviland Drainage Products Company, Main Street, Box 97, Haviland, OH 45851 <a href="http://haviland-drainage.com/#!/home">http://haviland-drainage.com/#!/home</a>				
	Group IIIP Perforated Pipe (Polyethylene)	Type SP	12' to 30"		2000-125Q
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 48"	432-04-01	----
HANC0 15	Hancor, Inc., 401 Olive Street, P. O. Box 1047, Findlay, OH 45840 <a href="http://www.hancor.com/">http://www.hancor.com/</a>				
	Group IIIP Perforated Pipe (Polyethylene)	Type SP	12" to 30"		----
	Group IVP Perforated Pipe (Polyethylene)	Type SP	36"		----
	Group IVP Perforated Pipe (Polyethylene)	Type SP	42"		1998-016A
	Group IVP Perforated Pipe (Polyethylene)	Type SP	48"		1998-016B
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 30"	432-04-01	----
	Group VP Perforated Pipe (Polyethylene)	Type CP	12" to 24"		----



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## Section 604: Combination Storm Sewer and Underdrain

### 604.2(a)1 Nonmetal Pipes

Last Revised: 7/14/2015

Type CP: This pipe with perforations shall have a full circular cross section, with a corrugated surface both inside and outside. Corrugations may be either annular or helical.

Type SP: This pipe with perforations shall have a full circular cross section, with an outer corrugated pipe wall and a smooth inner liner. Corrugations may be either annular or helical.

Product	Name	AASHTO Pipe Type	Pipe Size	SOL	Ref. No.
<b>HANC1 15 Plant</b>	<b>Hancor, Inc., 1 William Donnelly Parkway, Waverly, NY 14892 <a href="http://www.hancor.com/">http://www.hancor.com/</a> Waverly, NY</b>				
	Group III Perforated Pipe (Polyethylene)	Type SP	12" to 30"		----
	Group IVP Perforated Pipe (Polyethylene)	Type SP	36"		----
	Group IVP Perforated Pipe (Polyethylene)	Type SP	42"		1998-016A
	Group IVP Perforated Pipe (Polyethylene)	Type SP	48"		1998-016B
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 30"	432-04-01	----
	Group VP Perforated Pipe (Polyethylene)	Type CP	12" to 24"		----
<b>HYDR2 15</b>	<b>Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 800 Industrial Drive, Middletown, DE 19709 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a></b>				
	Reinforced Concrete (RC) Pipe		Elliptical		
			14"x23" to 58"x91"		2013-104Q
	Reinforced Concrete (RC) Pipe		Round		
			12" to 84"		2013-104Q
<b>LANE6 15 Plant</b>	<b>Lane Enterprises, Inc., 34 Strohm Road, Shippensburg, PA 17257 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a> Shippensburg, PA</b>				
	Group III Perforated Pipe (Polyethylene)	Type SP	12" to 30"		1997-182
	Group IVP Perforated Pipe (Polyethylene)	Type SP	36"		1997-182
	Group IVP Perforated Pipe (Polyethylene)	Type SP	42" to 48"		2004-048
	Group VIP Perforated Pipe (Polyethylene)	Type SP	18" to 48"	432-04-01	----
<b>OLDP1 15</b>	<b>Oldcastle Precast, Inc., 1900 Pennsylvania Ave., Croydon, PA 19021 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a></b>				
	Reinforced Concrete (RC) Pipe				
			12" to 48"		2013-086Q
<b>PWEG1 15</b>	<b>JM Eagle, 1742 E. Platteville Blvd., Pueblo West, CO 81007 <a href="http://www.jmeagle.com/">http://www.jmeagle.com/</a> Formerly PW Eagle</b>				
	Group IP Perforated Pipe (Polyethylene)	Type SP	15" to 24"		2000-194Q
	Group IP Perforated Pipe (Polyethylene)	Type SP	30" and 36"		2000-194Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Inlet Grates and Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

Product	Name	Letter Date	Ref. No.
<b>AMEHP 15</b>	<b>American Highway Products, Ltd., 11723 Strasburg Bolivar Road NW, Bolivar, OH 44612</b> <a href="http://www.ahp1.com/index.php">http://www.ahp1.com/index.php</a>		
	Structural Steel Grade Adjustment Riser	Type 1 or 2: RC45M	2014-222Q
<b>BEHNE 15</b>	<b>Behney Fabrication, 517 King Street, Lebanon, PA 17042</b> <a href="http://www.behneyfabrication.com/">http://www.behneyfabrication.com/</a>		
	Structural Steel Grade Adjustment Riser	Type 1 or 2: RC45M	----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Type D-H Steel Grate		----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Type S Top, 2' x 4'		----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Welded Rebar Cage (Type C Inlet Top)		2010-001QA
	Welded Rebar Cage (Type C-Alt Inlet Top)		2010-001QA
	Welded Rebar Cage (Type DH Inlet Top)		2010-001QA
	Welded Rebar Cage (Type M Inlet Top)		2010-001QA
	Welded Rebar Cage (Type S Inlet Top)		2010-001QA
	Welded Steel Bicycle Safe Grate		----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Welded Steel Grate		----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Welded Steel Inlet Angle Frame		----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Welded Steel Inlet Frame		----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Welded Steel Vane Grate		----
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
<b>BERMF 15</b>	<b>Bear Ridge Machine &amp; Fabrication, Inc., 10 Eleanor Avenue, Frackville, PA 17931</b> <a href="http://brmf.net/">http://brmf.net/</a>		
	Structural Steel Grade Adjustment Riser	Type 1 or 2: RC45M	2002-113Q
	Welded Steel Bicycle Safe Grate		2002-113Q
	Welded Steel Grate		2002-113Q





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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Inlet Grates and Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

Product	Name	Letter Date	Ref. No.
<b>BREWF 15</b>	<b>S. R. Bressler Welding &amp; Fabrication, 558 Lake Drive, Curwensville, PA 16833 <a href="http://www.srbressler.com/">http://www.srbressler.com/</a></b>		
	Structural Steel Grade Adjustment Riser	Type 1 or 2: RC45M	2013-119QG
	Type D-H Steel Grate		2013-119QD
	Type S Top, 2' x 4'		2013-119QI
	Welded Steel Bicycle Safe Grate		2013-119QB
	Welded Steel Grate		2013-119QA
	Welded Steel Inlet Angle Frame		2013-119QH
	Welded Steel Inlet Frame		2013-119QF
	Welded Steel Vane Grate		2013-119QE
<b>EJI-0 15</b>	<b>EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a></b>		
	ADA Acceptable Grate and Frame		1986-011
	Cast Iron Grate and Frame, HS25 Loading		1986-011
	Cast Iron Grate and Frame, HS25 Loading	Grate # EJIW 5355M8	2008-113Q
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Inlet Grates and Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

Product	Name	Letter Date	Ref. No.
EJI-3 15 Facility	EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a> Syracuse, NY		
	Structural Steel Grade Adjustment Riser <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>	Type 1 or 2: RC45M	----
	Type D-H Steel Grate <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Rebar Cage (Type C Inlet Top) <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Rebar Cage (Type C-Alt Inlet Top) <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Rebar Cage (Type DH Inlet Top) <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Rebar Cage (Type M Inlet Top) <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Rebar Cage (Type S Inlet Top) <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Steel Bicycle Safe Grate <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Steel Grate <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Steel Inlet Angle Frame <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Steel Inlet Frame <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----
	Welded Steel Vane Grate <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		----



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Inlet Grates and Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

	Product	Name	Letter Date	Ref. No.
EJI-4 15 Facility	EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a> St. Clair, PA <i>Formerly QUIRN</i>			
	Type D-H Steel Grate			----
	Welded Rebar Cage (Type C Inlet Top)			2013-176QA
	Welded Rebar Cage (Type C-Alt Inlet Top)			2013-176QA
	Welded Rebar Cage (Type M Inlet Top)			2013-176QB
	Welded Rebar Cage (Type S Inlet Top)			2013-176QC
	Welded Steel Bicycle Safe Grate			----
	Welded Steel Grate			----
	Welded Steel Inlet Angle Frame			----
	Welded Steel Inlet Frame			2013-177AC
JERDW 15	Jerdon Welding, 409 Wiconisco Street, P.O. Box 322, Wiconisco, PA 17097			
	Structural Steel Grade Adjustment Riser	Types 1 or 2: RC45M		2001-041Q
	Welded Steel Inlet Frame			2001-041Q
LANE2 15	Lane Enterprises, Inc., 682 Quaker Valley Road, Bedford, PA 15522 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>			
	Trash Rack/Anti-Vortex Device			2002-050Q
LANE3 15	Lane Enterprises, Inc., 8271 Mercer St., P.O. Box 345, Pulaski, PA 16143 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>			
	Trash Rack/Anti-Vortex Device			2002-049Q
LANE4 15	Lane Enterprises, Inc, 377 Crooked Lane, King of Prussia, PA 19406 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>			
	Trash Rack/Anti-Vortex Device			2002-068Q
MANWF_15	Mann Welding & Fabrication LLC, 2755 Schukraft Road, Quakertown, PA 18951			
	Trash Rack/Anti-Vortex Device			2014-061Q



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Inlet Grates and Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

	Product	Name	Letter Date	Ref. No.	
MCCAR 15	<b>McCarroll Precast, Inc., 1129 Old 115, Dallas, PA 18612</b>				
		Structural Steel Grade Adjustment Riser	Types 1 or 2: RC45M	10/15/1996	----
		Welded Rebar Cage (Type C Inlet Top)		10/15/1996	----
		Welded Rebar Cage (Type C-Alt Inlet Top)		10/15/1996	----
		Welded Rebar Cage (Type DH Inlet Top)		10/15/1996	----
		Welded Rebar Cage (Type M Inlet Top)		10/15/1996	----
		Welded Rebar Cage (Type S Inlet Top)		10/15/1996	----
		Welded Steel Inlet Frame		10/15/1996	----
MILES 15	<b>Miles Foundry, 301 Bedford Street, Clarks Summit, PA 18411</b>				
		Cast Iron Grate and Frame, HS20 Loading			----
		<i>Use outside of travel lanes only.</i>			
		Structural Steel Grade Adjustment Riser	Types 1 or 2: RC45M		----
		Type D-H Steel Grate			----
		Welded Steel Bicycle Safe Grate			----
		Welded Steel Grate			----
	Welded Steel Inlet Frame			----	
MLP-1 15 Plant	<b>MLP Steel, LLC, 18 Mount Pleasant Road, Scottsdale, PA 15683 <a href="http://www.mlpsteel.com/">http://www.mlpsteel.com/</a></b>				
	<b>Everson, PA</b>				
		Structural Steel Grade Adjustment Riser	Types 1 or 2: RC45M		1987-416
		Type D-H Steel Grate			1987-416
		Welded Steel Bicycle Safe Grate			1987-416
		Welded Steel Grate			1987-416
		Welded Steel Inlet Angle Frame			1987-416
		Welded Steel Inlet Frame			1987-416
	Welded Steel Vane Grate			1987-416	



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Inlet Grates and Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

Product	Name	Letter Date	Ref. No.	
<b>MORGA 15</b>	<b>Morgan's Welding Inc., 1941 Camp Swatara Road, Myerstown, PA 17067 <a href="http://morganswelding.com/">http://morganswelding.com/</a></b>			
	Structural Steel Grade Adjustment Riser	Types 1 or 2: RC45M	7/11/1983	----
	Type D-H Steel Grate		7/11/1983	----
	Welded Rebar Cage (Type C Inlet Top)		7/11/1983	----
	Welded Rebar Cage (Type C-Alt Inlet Top)		7/11/1983	----
	Welded Rebar Cage (Type DH Inlet Top)		7/11/1983	----
	Welded Rebar Cage (Type M Inlet Top)		7/11/1983	----
	Welded Rebar Cage (Type S Inlet Top)		7/11/1983	----
	Welded Steel Bicycle Safe Grate		7/11/1983	----
	Welded Steel Grate		7/11/1983	----
	Welded Steel Inlet Angle Frame		7/11/1983	----
	Welded Steel Inlet Frame		7/11/1983	----
	Welded Steel Vane Grate		7/11/1983	----



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Inlet Grates and Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

Product	Name	Letter Date	Ref. No.
<b>NEENA 15</b>	<b>Neenah Foundry Company, Box 729, 2121 Brooks Ave., Neenah, WI 54956 <a href="http://www.nfco.com/">http://www.nfco.com/</a></b>		
ADA Acceptable Grate and Frame	Grate #3573-0007, Type Q		1996-273
Cast Iron Grate and Frame, HS20 Loading <i>Use outside of travel lanes only. Provides HS25 Grate</i>			----
Cast Iron Grate and Frame, HS25 Loading	Frame #3573-2000, Type C		1996-188
Cast Iron Grate and Frame, HS25 Loading	Frame #3574-2000, Type M		1996-189
Cast Iron Grate and Frame, HS25 Loading	Grate #3573-0002		1996-187
Cast Iron Grate and Frame, HS25 Loading	Grate #3573-0007, Type Q		1996-273
Cast Iron Grate and Frame, HS25 Loading	Grate #3573-0008		1996-274
Cast Iron Grate and Frame, HS25 Loading	Grate #3573-3000, Type L		1998-010
Structural Steel Grade Adjustment Riser	Grate #3573-0007, Type Q, Type 1 or 2: RC45M		1996-273
Structural Steel Grade Adjustment Riser	Grate #3573-3000, Type L, Type 1 or 2: RC45M		1998-010
Welded Steel Bicycle Safe Grate	Grate #3573-0007, Type Q		1996-273
Welded Steel Bicycle Safe Grate	Grate #3573-3000, Type L		1998-010
<b>TDFSV 15</b>	<b>TDF Services, Inc., P.O. Box 111, Oakmont, PA 15139</b>		
Structural Steel Grade Adjustment Riser <i>Types 1 or 2: RC45M</i>			2000-005Q
Welded Steel Bicycle Safe Grate			2000-005Q
Welded Steel Grate			2000-005Q
Welded Steel Inlet Frame			2000-005Q

### 605.2(a) Junction Box Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

Product	Name	Ref. No.
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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Junction Box Frames

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

	Product	Name	Ref. No.
FISHW 15	Fisher Welding & Fabrication, 923 Deturksville Road, P.O. Box 28, Pine Grove, PA 17963	<a href="http://www.rfisherwelding.com/">http://www.rfisherwelding.com/</a>	
	JB-1 Frame		1993-213
	JB-11 Frame		1993-213
	JB-12 Frame		1993-213
	JB-2 Frame		1993-213
MORGA 15	Morgan's Welding Inc., 1941 Camp Swatara Road, Myerstown, PA 17067	<a href="http://morganswelding.com/">http://morganswelding.com/</a>	
	JB-1 Frame		----
	JB-11 Frame		----
	JB-12 Frame		----
	JB-2 Frame		----
PEIWF 15	Peirce Welding & Fabricating, 170 Airport Rd., P.O. Box 369, Bethel, PA 19507	<a href="http://www.peircewelding.com/index.html">http://www.peircewelding.com/index.html</a>	
	JB-1 Frame		2001-190Q
	JB-11 Frame		2001-190Q
	JB-12 Frame		2001-190Q
	JB-2 Frame		2001-190Q

### 605.2(a) Junction Boxes, Steel or Cast Iron

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

	Product	Name	Ref. No.
FISHW 15	Fisher Welding & Fabrication, 923 Deturksville Road, P.O. Box 28, Pine Grove, PA 17963	<a href="http://www.rfisherwelding.com/">http://www.rfisherwelding.com/</a>	
	JB-25, Welded Steel Plate		1993-213
	JB-26, Steel		1993-213
	JB-27, Steel		1993-213



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(a) Junction Boxes, Steel or Cast Iron

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

	Product	Name	Ref. No.
PEIWF 15	Peirce Welding & Fabricating, 170 Airport Rd., P.O. Box 369, Bethel, PA 19507 <a href="http://www.peircewelding.com/index.html">http://www.peircewelding.com/index.html</a>		
	JB-25, Welded Steel Plate		2001-191Q
	JB-26, Steel		2001-191Q
	JB-27, Steel		2001-191Q
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 <a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a>		
	JB-25, Welded Steel Plate		2013-013QA
	JB-27, Steel		2013-013QB
SABIN 15	Sabre Industries/Tubular Structures - PA, 700 Second Street, Ellwood City, PA 16117 <a href="http://www.sabretubularstructures.com/">http://www.sabretubularstructures.com/</a> <i>Formerly Jet Industries (JETIN)</i>		
	JB-25, Welded Steel Plate		2008-102Q
	JB-26, Steel		2008-102Q
	JB-27, Steel		2008-102Q
UTILT 15	Utility Metals, P.O. Box 9054, Louisville, KY 40209-0054 <a href="http://utilitymetals.com/">http://utilitymetals.com/</a>		
	JB-26, Steel		1992-223A
	JB-27, Steel		1992-223B

### 605.2(b) Manhole Frames and Covers

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

	Product	Name	Ref. No.
EJI-0 15	EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a>		
	Manhole Frame and Cover		1986-011





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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(b) Manhole Frames and Covers

Last Revised: 4/20/2015

Steel Products Procurement Act Applies

	Product	Name	Ref. No.
EJI-1 15 Plant	EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a> Youngstown, OH 44654 <i>Formerly E. A. Quirn (QUIRN)</i> Manhole Frame and Cover		----
NEENA 15	Neenah Foundry Company, Box 729, 2121 Brooks Ave., Neenah, WI 54956 <a href="http://www.nfco.com/">http://www.nfco.com/</a> Manhole Frame and Cover		1986-100

### 605.2(c) Manhole Steps

Last Revised: 4/20/2015

	Product	Name	Ref. No.
ASTEP 15	American Step Company, Inc., 830 East Broadway, P. O. Box 137, Griffin, GA 30224-0137 <a href="http://www.americanstep.com/">http://www.americanstep.com/</a>		
	Manhole Step	Model I-11	1996-095
	Manhole Step	Model I-11 NCR	1998-093A
	Manhole Step	Model I-13	1996-095
	Manhole Step	Model LML-11	1996-095
	Manhole Step	Model LML-11 NCR	1998-093A
	Manhole Step	Model LML-13	1996-095
	Manhole Step	Model LML-13 NCR	1998-093A
	Manhole Step	Model ML-10	1996-095
	Manhole Step	Model ML-10 NCR	1998-093A
	Manhole Step	Model ML-11	1996-095
	Manhole Step	Model ML-11 NCR	1998-093B
	Manhole Step	Model ML-13	1996-095
	Manhole Step	Model ML-13 NCR	1998-093A
	Manhole Step	Model MSN-10	1996-095
	Manhole Step	Model MSN-13	1996-095
	Manhole Step	Model SML-13	1996-095



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(c) Manhole Steps

Last Revised: 4/20/2015

	Product	Name	Ref. No.	
ASTEPP 15	American Step Company, Inc., 830 East Broadway, P. O. Box 137, Griffin, GA 30224-0137 <a href="http://www.americanstep.com/">http://www.americanstep.com/</a>			
	Manhole Step	Model SML-13 NCR	1998-093B	
BOWCN 15	Bowco Industries, Inc., 155 S. Hazel Dell Way, Canby, OR 97013	Manhole Step	Bowco Model 93810 (PP coated, orange)	1988-242
		Manhole Step	Bowco Model 93813	1993-059
		Manhole Step	Bowco Model 93813-TL	1993-059
LANEC 15	Lane International Corporation, 10758 S.W. Manhasset Drive, P. O. Box 925, Tualatin, OR 97062	Manhole Step	10" Model P-10938	1992-026
		Manhole Step	14" Model P-14850	1992-026
MAIND 15	M A Industries, Inc., Kelley & Dividend Drive, P. O. Box 2322, Peachtree City, GA 30269 <a href="http://maind.com/">http://maind.com/</a>	Manhole Step	Plastic Coated Manhole Step	----
PAINS 15	Pennsylvania Insert Corporation, P. O. Box 199, Bridge Street, Spring City, PA 19475 <a href="http://www.pennsylvaniainsert.com/">http://www.pennsylvaniainsert.com/</a>	Manhole Step	Model 10-R	1993-246
		Manhole Step	Model 10-S	1993-246
		Manhole Step	Model 11-R	1993-246
		Manhole Step	Model 11-S	1993-246
		Manhole Step	Model 13-R	1993-246
		Manhole Step	Model 13-S	1993-246

### 605.2(d) Endwall Form (Polyethylene Stay-in-Place Form)

Last Revised: 4/20/2015

Approved product alternative to Section 605.2(d), for cast-in-place endwalls and precast endwalls, as listed in Section 714.

	Product	Name	Ref. No.
STEP2 15	Step 2 Company, 10010 Aurora-Hudson Road, Streetsboro, OH 44241		
	Endwall Form (Approved Product Alternative for Endwall)	Hartman EW System	2001-160



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## Section 605: Endwalls, Inlets, Manholes, and Spring Boxes

### 605.2(d) Endwall Form (Polyethylene Stay-in-Place Form)

Last Revised: 4/20/2015

Approved product alternative to Section 605.2(d), for cast-in-place endwalls and precast endwalls, as listed in Section 714.

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Product	Name	Ref. No.
STEP2 15	Step 2 Company, 10010 Aurora-Hudson Road, Streetsboro, OH 44241	
	<i>The alternate "Hartman Endwall System" is Provisionally Approved under CMS Provisional Special Provision #S00(PD06052A) and ECMS Provisional Special Provision #P-C06052-A.</i>	



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 606: Grade Adjustment of Existing Misc. Structures

### 606.2 Manhole and Inlet Extensions

Last Revised: 7/6/2015

Steel Products Procurement Act applies.

Inlet Extensions also are listed in Section 605.2(a) as Structural Steel Grade Adjustable Riser (Types 1 or 2: RC 45M)

Product	Name	Letter Date	Ref. No.
AMEHP 15	American Highway Products, Ltd., 11723 Strasburg Bolivar Road NW, Bolivar, OH 44612 <a href="http://www.ahp1.com/index.php">http://www.ahp1.com/index.php</a> Manhole Extension		1979-010
BEHNE 15	Behney Fabrication, 517 King Street, Lebanon, PA 17042 <a href="http://www.behneyfabrication.com/">http://www.behneyfabrication.com/</a> Inlet Extension		----
EJI-1 15 Plant	EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a> Youngstown, OH 44654 <i>Formerly E. A. Quirn (QUIRN)</i> Inlet Extension <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i> Manhole Extension <i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>	7/3/1995	---- 1988-341
EJI-2 15 Plant	EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a> Millersburg, OH 44654 Approved Product Alternatives Recycled Rubber Grade Adjustment Ring <i>Alternate Manhole Extension Designs are Provisionally Approved under: HIGH DENSITY POLYETHYLENE MANHOLE EXTENSIONS CMS Special Provision S00(PD06051A) and ECMS Special Provision P-C06051-A. RECYCLED RUBBER MANHOLE AND INLET EXTENSIONS CMS Special Provision S00(PD06061A) and ECMS Special Provision P-C06061-A. Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		1999-154
JERDW 15	Jerdon Welding, 409 Wiconisco Street, P.O. Box 322, Wiconisco, PA 17097 Inlet Extension Manhole Extension		2001-041Q 2001-041Q



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## Section 606: Grade Adjustment of Existing Misc. Structures

### 606.2 Manhole and Inlet Extensions

Last Revised: 7/6/2015

Steel Products Procurement Act applies.

Inlet Extensions also are listed in Section 605.2(a) as Structural Steel Grade Adjustable Riser (Types 1 or 2: RC 45M)

Product	Name	Letter Date	Ref. No.
JSPIN 15 Facility	JSP International, LLC, 1285 Drummers Lane, Suite 301, Wayne, PA 19087 <a href="http://www.jsp.com/">http://www.jsp.com/</a> 1285 Drummers Lane, Suite 301 Wayne, PA 19087		
	Approved Product Alternatives	Pro-Ring 36 Series Manhole Ring	2014-031
	<i>Cross-Linked Expanded Polyethylene</i> Conditional Approval: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a>		
	Approved Product Alternatives	Pro-Ring 40 Series Manhole Ring	2014-031
	<i>Cross-Linked Expanded Polyethylene</i> Conditional Approval: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a>		
LADTC 15	Ladtech, Inc., 244 Woodridge Lane, Lino Lakes, MN 55014 <a href="http://ladtech.com/">http://ladtech.com/</a>		
	Approved Product Alternatives	HDPE Grade Adjustment Ring	1999-008
	<i>Alternate Manhole Extension Designs are Provisionally Approved under: HIGH DENSITY POLYETHYLENE MANHOLE EXTENSIONS CMS Special Provision S00(PD06051A) and ECMS Special Provision P-C06051-A. RECYCLED RUBBER MANHOLE AND INLET EXTENSIONS CMS Special Provision S00(PD06061A) and ECMS Special Provision P-C06061-A. Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
MLP-1 15 Plant	MLP Steel, LLC, 18 Mount Pleasant Road, Scottdale, PA 15683 <a href="http://www.mlpsteel.com/">http://www.mlpsteel.com/</a> Everson, PA		
	Inlet Extension		1987-416
MORGA 15	Morgan's Welding Inc., 1941 Camp Swatara Road, Myerstown, PA 17067 <a href="http://morganswelding.com/">http://morganswelding.com/</a>		
	Inlet Extension		----
	Manhole Extension		----
ROSS 15	Ross Technology Corporation, 104 North Maple Avenue, P.O. Box 646, Leola, PA 17540 <a href="http://www.rosstechnology.com/">http://www.rosstechnology.com/</a>		
	Inlet Extension		1982-083
	Manhole Extension		1982-084



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## Section 606: Grade Adjustment of Existing Misc. Structures

### 606.2 Manhole and Inlet Extensions

Last Revised: 7/6/2015

Steel Products Procurement Act applies.

Inlet Extensions also are listed in Section 605.2(a) as Structural Steel Grade Adjustable Riser (Types 1 or 2: RC 45M)

	Product	Name	Letter Date	Ref. No.
THOMA 15	J. Thomas, Ltd., 300 Richardson Drive, Lancaster, PA 17603			
	Catch Basin			1982-100
	Manhole Extension			1982-101
UNDTE 15	Underground Technologies, LLC, 2546 Elliot Drive, Troy, MI 48083			
	Approved Product Alternatives	UGT ManHole Elevation System		2011-094
	Conditional Approval: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a>			



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 610: Pipe Underdrain and Pavement Base Drain

### 610.2(a)3 Corrugated Polyethylene (PE) Pipe (Sizes 4" to 15")

Last Revised: 7/6/2015

Product	Name	AASHTO Pipe Type	Pipe Size	Ref. No.
ADS-0 15	Advanced Drainage Systems Inc., 4640 Trueman Blvd., Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>			
	Corrugated PE Pipe, Perforated	Type CP	4", 6"	1980-051
	Corrugated PE Pipe, Perforated	Type CP	8", 10", 12", 15"	1981-112
	Corrugated PE Pipe, Perforated	ADS N-12	Type SP	12"
ADS-1 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a> Muncy, PA			
	Corrugated PE Pipe, Perforated	Type CP	4", 6"	1980-051
	Corrugated PE Pipe, Perforated	Type CP	8", 10", 12", 15"	1981-112
	Corrugated PE Pipe, Perforated	Type SP	4", 6", 8"	2007-191QABC
	Corrugated PE Pipe, Perforated	ADS N-12	Type SP	12"
ADS-2 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a> Wooster, OH			
	Corrugated PE Pipe, Perforated	Type CP	4", 6"	1980-051
	Corrugated PE Pipe, Perforated	Type CP	8", 10", 12", 15"	1981-112
	Corrugated PE Pipe, Perforated	ADS N-12	Type SP	12"
ADS-3 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a> Ludlow, MA			
	Corrugated PE Pipe, Perforated	Type CP	4", 6"	1980-051
	Corrugated PE Pipe, Perforated	Type CP	8", 10", 12", 15"	1981-112
	Corrugated PE Pipe, Perforated	ADS N-12	Type SP	12"
ADS-4 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a> Buena Vista, VA			
	Corrugated PE Pipe, Perforated	Type CP	4", 6"	1980-051
	Corrugated PE Pipe, Perforated	Type CP	8", 10", 12", 15"	1981-112
	Corrugated PE Pipe, Perforated	ADS N-12	Type SP	12"



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## Section 610: Pipe Underdrain and Pavement Base Drain

### 610.2(a)3 Corrugated Polyethylene (PE) Pipe (Sizes 4" to 15")

Last Revised: 7/6/2015

Product	Name	AASHTO Pipe Type	Pipe Size	Ref. No.
<b>ADS-5 15 Plant</b>	<b>Advanced Drainage Systems, Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a> Wilkes Barre, PA</b>			
	Corrugated PE Pipe, Perforated	Type CP	4", 6"	1980-051
	Corrugated PE Pipe, Perforated	Type CP	8", 10", 12", 15"	1981-112
	Corrugated PE Pipe, Perforated	Type SP	12"	1995-304
<b>BAUGH 15</b>	<b>Baughman Tile Company, 8516 Township Rd. #137, Paulding, OH 45879 <a href="http://www.baughmantile.com/">http://www.baughmantile.com/</a></b>			
	Corrugated PE Pipe, Perforated	Type CP	4", 6", 8", 10", 12", 15"	2000-041Q
	Corrugated PE Pipe, Perforated	Type SP	4", 6", 8", 10", 12", 15"	2000-042Q
<b>BLUDI 15</b>	<b>Blue Diamond Industries, LLC, 3399 Tates Creek Road, Suite 110, Lexington, KY 40502 <a href="http://www.bdiky.com/">http://www.bdiky.com/</a></b>			
	Corrugated PE Pipe, Perforated	Type SP	4", 6", 8"	2007-055Q
<b>DRAPR 15</b>	<b>Drainage Products, Inc., DBA Haviland Drainage Products Company, Main Street, Box 97, Haviland, OH 45851 <a href="http://haviland-drainage.com/#!/home">http://haviland-drainage.com/#!/home</a></b>			
	Corrugated PE Pipe, Perforated	Type CP	4", 10", 12"	2000-125Q
	Corrugated PE Pipe, Perforated	Type SP	8", 10", 12", 15"	2000-125Q
	Corrugated PE Pipe, Perforated	Type CP	6"	2001-167Q
<b>HANC0 15</b>	<b>Hancor, Inc., 401 Olive Street, P. O. Box 1047, Findlay, OH 45840 <a href="http://www.hancor.com/">http://www.hancor.com/</a></b>			
	Corrugated PE Pipe, Perforated		4", 6", 8"	1985-064
	Corrugated PE Pipe, Perforated		4"	1987-015
	Corrugated PE Pipe, Perforated	Type CP	10", 12", 15"	1995-284
<b>HANC1 15 Plant</b>	<b>Hancor, Inc., 1 William Donnelly Parkway, Waverly, NY 14892 <a href="http://www.hancor.com/">http://www.hancor.com/</a> Waverly, NY</b>			
	Corrugated PE Pipe, Perforated		4", 6", 8"	1985-064
	Corrugated PE Pipe, Perforated		4"	1987-015
	Corrugated PE Pipe, Perforated	Type CP	10", 12", 15"	1995-284





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## Section 610: Pipe Underdrain and Pavement Base Drain

### 610.2(a)3 Corrugated Polyethylene (PE) Pipe (Sizes 4" to 15")

Last Revised: 7/6/2015

Product	Name	AASHTO Pipe Type	Pipe Size	Ref. No.
LANE6 15 Plant	Lane Enterprises, Inc., 34 Strohm Road, Shippensburg, PA 17257 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a> Shippensburg, PA			
	Corrugated PE Pipe, Perforated	Type SP	6", 8", 10", 12", 15"	1997-182
	Corrugated PE Pipe, Perforated	Type CP	4", 6"	2009-118QAB
	Corrugated PE Pipe, Perforated	Type CP	8"	2010-031Q

### 610.2(a)4 Polyvinyl Chloride (PVC) Pipe (Sizes 4" to 15")

Last Revised: 7/6/2015

Product	Name	Pipe Size	Ref. No.
CON01 15 Plant	Contech Engineered Solutions, LLC, 2700 Gunter Park Drive W, Montgomery, AL 36109 <a href="http://www.conteches.com/">http://www.conteches.com/</a> Montgomery, AL		
	PVC Pipe, Perforated	Circular Perforated	4"
	PVC Pipe, Perforated	Circular Perforated	6"
	PVC Pipe, Perforated	Perforated	4"
NP&P0 15	National Pipe & Plastics, Inc., 3421 Old Vestal Road, Vestal, NY 13850 <a href="http://nationalpipe.com/">http://nationalpipe.com/</a>		
	PVC Pipe, Perforated	SDR 35 Perforated	4", 6", 8", 10", 12", 15"

### 610.2(a)5 Acrylonitrile-Butadiene Styrene (ABS) Pipe

Last Revised: 7/6/2015

Product	Name	Pipe Size	Ref. No.
CON01 15 Plant	Contech Engineered Solutions, LLC, 2700 Gunter Park Drive W, Montgomery, AL 36109 <a href="http://www.conteches.com/">http://www.conteches.com/</a> Montgomery, AL		
	ABS Pipe, Perforated		4"
	ABS Pipe, Perforated		6"

### 610.2(a)7&8 Corrugated Steel Pipe, Metallic Coated, and Corrugated Aluminum Alloy Pipe

Last Revised: 7/6/2015

Product	Name	Pipe Size	Ref. No.
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## Section 610: Pipe Underdrain and Pavement Base Drain

### 610.2(a)7&8 Corrugated Steel Pipe, Metallic Coated, and Corrugated Aluminum Alloy Pipe

Last Revised: 7/6/2015

	Product	Name	Pipe Size	Ref. No.
CON08 15 Plant	Contech Engineered Solutions, LLC, 41 Fenton St, Palmer, MA 01069-1811 Palmer, MA	<a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Corrugated Steel Pipe, Perforated & Corrugated		6", 8", 10"	1991-327
	Aluminum Alloy Pipe Perforated			
CON12 15 Plant	Contech Engineered Solutions, LLC, 600 N Washington St., Greencastle, PA 17225 Greencastle, PA	<a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Corrugated Steel Pipe, Perforated & Corrugated		6", 8", 10"	1991-327
	Aluminum Alloy Pipe Perforated			
CULVE 15	Culverts, Inc., 330 Pittsburgh Ave., P.O. Box 271, Coraopolis, PA 15108	<a href="http://www.culvertsinc.com/Pages/default.aspx">http://www.culvertsinc.com/Pages/default.aspx</a>		
	Corrugated Steel Pipe, Perforated & Corrugated			----
	Aluminum Alloy Pipe Perforated			
LANE2 15	Lane Enterprises, Inc., 682 Quaker Valley Road, Bedford, PA 15522	<a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Corrugated Steel Pipe, Perforated & Corrugated			----
	Aluminum Alloy Pipe Perforated			

### 610.2(a)9 Prefabricated Pavement Base Drains

Last Revised: 7/6/2015

	Product	Name	Pipe Size	Ref. No.
ADS-0 15	Advanced Drainage Systems Inc., 4640 Trueman Blvd., Hilliard, OH 43026	<a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>		
	Pavement Base Drain		18" only	1991-267B
AMEWD 15	American Wick Drain Corporation, 1209 Airport Road, Monroe, NC 28110	<a href="http://www.americanwick.com/">http://www.americanwick.com/</a>		
	Pavement Base Drain	Sitedrain 6600	12", 18"	2001-117Q
CON00 15	Contech Engineered Solutions, LLC, 9025 Centre Pointe Drive, Suite 400, West Chester, OH 45069	<a href="http://www.conteches.com/">http://www.conteches.com/</a>		
	Pavement Base Drain	Stripdrain 100	12", 18"	1988-324
	Pavement Base Drain	Stripdrain 80	12", 18"	1991-129



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 615: Subsurface Drain Outlets

### 615.2 Subsurface Drain Outlets (Solid 4" to 15")

Last Revised: 7/6/2015

70 PSI @ 5% (English) or 483 kPa @ 5% (Metric)

	Product	Name	Pipe Size	Ref. No.
ADS-0 15	Advanced Drainage Systems Inc., 4640 Trueman Blvd., Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>			
	Outlet Pipe	N-12 (Landfield Grade) PE	4" (102mm)	1997-039
	Outlet Pipe	N-12 (Landfield Grade) PE	6"	1997-040
ADS-1 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>			
	Muncy, PA			
	Outlet Pipe	N-12 (Landfield Grade) PE	4" (102mm)	1997-039
	Outlet Pipe	N-12 (Landfield Grade) PE	6"	1997-040
	Outlet Pipe	N-12 (Landfield Grade) PE	8"	2011-194Q
ADS-2 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>			
	Wooster, OH			
	Outlet Pipe	N-12 (Landfield Grade) PE	4" (102mm)	1997-039
	Outlet Pipe	N-12 (Landfield Grade) PE	6"	1997-040
ADS-3 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>			
	Ludlow, MA			
	Outlet Pipe	N-12 (Landfield Grade) PE	4" (102mm)	1997-039
	Outlet Pipe	N-12 (Landfield Grade) PE	6"	1997-040
ADS-4 15 Plant	Advanced Drainage Systems Inc., 4640 Trueman Blvd, Hilliard, OH 43026 <a href="http://www.ads-pipe.com/en/">http://www.ads-pipe.com/en/</a>			
	Buena Vista, VA			
	Outlet Pipe	N-12 (Landfield Grade) PE	4" (102mm)	1997-039
	Outlet Pipe	N-12 (Landfield Grade) PE	6"	1997-040
BAUGH 15	Baughman Tile Company, 8516 Township Rd. #137, Paulding, OH 45879 <a href="http://www.baughmantile.com/">http://www.baughmantile.com/</a>			
	Outlet Pipe	PE Pipe, Smoothline	4" to 15"	2000-043Q
BLUDI 15	Blue Diamond Industries, LLC, 3399 Tates Creek Road, Suite 110, Lexington, KY 40502 <a href="http://www.bdiky.com/">http://www.bdiky.com/</a>			
	Outlet Pipe		4"	2007-185Q



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## Section 615: Subsurface Drain Outlets

### 615.2 Subsurface Drain Outlets (Solid 4" to 15")

Last Revised: 7/6/2015

70 PSI @ 5% (English) or 483 kPa @ 5% (Metric)

	Product	Name	Pipe Size	Ref. No.
<b>HANC1 15 Plant</b>	Hancor, Inc., 1 William Donnelly Parkway, Waverly, NY 14892 Waverly, NY	<a href="http://www.hancor.com/">http://www.hancor.com/</a>		
	Outlet Pipe	PE Hi-Q	4", 6"	1999-045Q
<b>LANE6 15 Plant</b>	Lane Enterprises, Inc., 34 Strohm Road, Shippensburg, PA 17257 Shippensburg, PA	<a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Outlet Pipe	HPDE	6"	1996-190
<b>NP&amp;P0 15</b>	National Pipe & Plastics, Inc., 3421 Old Vestal Road, Vestal, NY 13850	<a href="http://nationalpipe.com/">http://nationalpipe.com/</a>		
	Outlet Pipe	PVC SDR-26	4", 6", 8", 10", 12", 15"	1997-120ABCDEF



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 616: End Sections and Slope Pipe Fittings

### 616.2(a) Concrete End Sections

Last Revised: 2/27/2015

For approved precast concrete end sections, see 601.2(a)3a.

### 616.2(b) Steel End Sections

Last Revised: 2/27/2015

Approved steel pipe manufacturers in Section 601.2(a)4b may also provide steel end sections and slope pipe fittings.

Product	Name	Pipe Size	Ref. No.
J&J-D 15	J & J Drainage Products Company, 110 N Pershing, PO Box 0829, Hutchinson, KS 67504-0829 <a href="http://j drainage.com/">http://j drainage.com/</a> Steel End Section		1990-262
JENBS 15	Jensen Bridge & Supply Company, 400 Stoney Creek Drive, Sandusky, MI 48471 <a href="http://jensenbridge.com/">http://jensenbridge.com/</a> Steel End Section		2006-011Q

### 616.2(c) Aluminum Alloy End Sections

Last Revised: 2/27/2015

Approved aluminum pipe manufacturers in Section 601.2(a)4c may provide aluminum alloy end sections and slope pipe fittings.

Product	Name	Pipe Size	Ref. No.
J&J-D 15	J & J Drainage Products Company, 110 N Pershing, PO Box 0829, Hutchinson, KS 67504-0829 <a href="http://j drainage.com/">http://j drainage.com/</a> Aluminum Alloy End Section		1990-263

### 616.2(d) Steel Slope Pipe Fittings

Last Revised: 2/27/2015

Approved steel and aluminum pipe manufacturers in Sections 601.2(a)4b and 601.2(a)4c may provide end sections and slope pipe fittings.



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## Section 617: Slotted Drains

### 617.2 Slotted Drains

Last Revised: 7/6/2015

	Product	Name	Ref. No.
ABT01 15	ABT Inc., 259 Murdock Road, Troutman, NC 28166 <a href="http://www.abtdrains.com/">http://www.abtdrains.com/</a> Slotted Drain	Polydrain	1997-129
ACOPP 15	ACO Polymer Products, Inc., 12080 Ravenna Road, P. O. Box 245, Chardon, OH 44024 <a href="http://acousa.com/">http://acousa.com/</a> Slotted Drain Slotted Drain Slotted Drain	K100S Trenchdrain S100K Powerdrain S300K Powerdrain	2003-086Q 2003-084Q 2003-085Q
CON12 15 Plant	Contech Engineered Solutions, LLC, 600 N Washington St., Greencastle, PA 17225 <a href="http://www.conteches.com/">http://www.conteches.com/</a> Greencastle, PA Slotted Drain		----
HUBI- 15	Hubbell Lenoir City, Inc., 3621 Industrial Park Drive, Lenoir City, TN 37771 Slotted Drain	Polycast	1999-193Q
LANE3 15	Lane Enterprises, Inc., 8271 Mercer St., P.O. Box 345, Pulaski, PA 16143 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a> Slotted Drain		1980-017



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 619: Permanent Impact Attenuating Devices (DM-2, Chapter 12)

### 619.2 Permanent Impact Attenuating Devices

Last Revised: 8/11/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

Product	Name	FHWA Acceptance Letter	Ref. No.
<b>BARRS 15</b>	<b>Barrier Systems, Inc., 180 River Road, Rio Vista, CA 94571 <a href="http://www.barriersystemsinc.com/">http://www.barriersystemsinc.com/</a></b>		
Miscellaneous System	Armorguard Gate		2004-092Q
Type II, Energy Absorbing Flared Terminal	X-Tension	CC-102A	2009-128Q
Type II, Energy Absorbing Tangent Terminal	X-Tension	CC-102A	2009-128Q
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	Universal TAU-II (TM)	CC-75	2004-083Q
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	X-Tension	CC-102A	2009-128Q
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	X-Tenuator	CC-109	2011-069QA
Type VI, Gating Non-Redirective Crash Cushion System	ABSORB 350	CC-66	2001-066
<b>ENERG 15 Plant</b>	<b>Energy Absorption Systems, Inc., 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://energyabsorption.com/">http://energyabsorption.com/</a></b>		
	<b>Pell City, AL</b>		
Miscellaneous System	The Barriergate		1993-222
Miscellaneous System	Vulcan Gate		----
Type IV, Gating Two-Way Traffic System	Brakemaster 350	CC-41	1997-168
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	QuadGuard Elite	CC-57	1999-086
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	QuadGuard LMC	CC-43	1998-060
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	REACT 350 (60 inch)	CC-73	2001-169Q
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	REACT 350 (standard)	CC-26B	1995-158
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	QuadGuard	CC-35	1996-167
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	QuadGuard (wide)	CC-42	1998-008
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	QuadGuard HS	CC-35E	2001-223Q



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## Section 619: Permanent Impact Attenuating Devices (DM-2, Chapter 12)

### 619.2 Permanent Impact Attenuating Devices

Last Revised: 8/11/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

	Product	Name	FHWA Acceptance Letter	Ref. No.
<b>ENERG 15 Plant</b>	<b>Energy Absorption Systems, Inc., 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://energyabsorption.com/">http://energyabsorption.com/</a></b>			
	<b>Pell City, AL</b>			
	Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	QuadGuard II (modified)	CC-351	2009-159QA
	Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	QUEST	CC-87	2005-052Q
	Type VI, Gating Non-Redirective Crash Cushion System	Energite III Module	CC-29	----
	Type VI, Gating Non-Redirective Crash Cushion System	Fitch Universal	CC-28	----
<b>ENTWH 15</b>	<b>Entwistle Company, Bigelow Street, Hudson, MA 01749 <a href="http://entwistleco.com/">http://entwistleco.com/</a></b>			
	Miscellaneous System	The Dragnet		1995-178
<b>LEISS 15</b>	<b>Leiss Tool &amp; Die, 801 North Pleasant Avenue, Somerset, PA 15501 <a href="http://leiss.com/">http://leiss.com/</a></b>			
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (30 inch)	CC-85	2014-029QC
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (36 inch)	CC-85	2014-029QC
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (41-1/4 to 60 inch maximum)	CC-85	2014-029QC
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (Standard)	CC-85	2014-029QC
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (30 inch)	CC-85A	2014-029QA
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (36 inch)	CC-85A	2014-029QA
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (41-1/4 to 60 inch maximum)		2014-029QA
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (Standard)	CC-85A	2014-029QA





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### 619.2 Permanent Impact Attenuating Devices

Last Revised: 8/11/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

	Product	Name	FHWA Acceptance Letter	Ref. No.
LIFPR 15	<b>Lifetime Products, Freeport Ctr. Blding H-4, P.O. Box 160010, Clearfield, UT 84016</b> <a href="http://www.lifetime.com/">http://www.lifetime.com/</a>			
	Type VI, Gating Non-Redirective Crash Cushion System	Plastic Safety Systems Crashguard		2010-305Q
LINSY 15 Plant	<b>Lindsay Transportation Solutions, Barrier Systems, 180 River Road, Rio Vista, CA 94571</b> <a href="http://www.lindsay.com/transportation-solutions">http://www.lindsay.com/transportation-solutions</a> <b>505 Crown Point Ave Omaha, NE 67110</b>			
	Type II, Energy Absorbing Flared Terminal	X-Lite (Flared)		2013-138B
	Type II, Energy Absorbing Tangent Terminal	X-Lite (Tangent)		2013-138A
MORVA 15	<b>Morgan Valley Manufacturing, 340 North Industrial Road, P. O. Box 746, Morgan, UT 84050</b>			
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (30 inch)	CC-85	2011-208QA
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (36 inch)	CC-85	2011-208QB
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (41-1/4 to 60 inch maximum)	CC-85	2011-208QC
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (Standard)	CC-85	2004-015
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (30 inch)	CC-85A	2011-208QA
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (36 inch)	CC-85A	2011-208QB
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (41-1/4 to 60 inch maximum)	CC-85A	2011-208QC
	Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (Standard)	CC-85A	2005-033



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## Section 619: Permanent Impact Attenuating Devices (DM-2, Chapter 12)

### 619.2 Permanent Impact Attenuating Devices

Last Revised: 8/11/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

Product	Name	FHWA Acceptance Letter	Ref. No.
RDSYS 15	<b>Road Systems, Inc., 3616 Howard County Airport Rd., Big Spring, TX 79720</b> <a href="http://roadsystems.com/">http://roadsystems.com/</a>		
	Type II, Energy Absorbing Flared Terminal	FLEAT 350	CC-46
	Type II, Energy Absorbing Flared Terminal	FLEAT-SP	CC-88B
	Type II, Energy Absorbing Tangent Terminal	BEAT-SSCC	CC-69B
	Type II, Energy Absorbing Tangent Terminal	SKT-350	CC-40
	Type II, Energy Absorbing Tangent Terminal	SKT-SP	CC-61A
	Type IV, Gating Two-Way Traffic System	FLEAT-MT	CC-46D
TRFXD 15	<b>TraFFix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673</b> <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a>		
	Type VI, Gating Non-Redirective Crash Cushion System	Traffix	CC-52
TRIN1 15	<b>Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420</b> <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
	Type II, Energy Absorbing Tangent Terminal	ET-PLUS	2003-092B
	<i>Effective 10/31/2014, all installations of ET-PLUS end terminal systems manufactured by Trinity Highway Products are hereby suspended until further notice. Any ET-PLUS terminal systems already on-site are NOT to be installed.</i>		
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Type II, Energy Absorbing Tangent Terminal	ET-PLUS with Steel Yielding Terminal Post	2003-092A
	<i>Effective 10/31/2014, all installations of ET-PLUS end terminal systems manufactured by Trinity Highway Products are hereby suspended until further notice. Any ET-PLUS terminal systems already on-site are NOT to be installed.</i>		
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>		
	Type III, Non-Energy Absorbing Terminal	SRT 350	CC-51
	Type IV, Gating Two-Way Traffic System	ADIEM	CC-38
	Type IV, Gating Two-Way Traffic System	CAT 350	CC-33
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	TRACC	CC-54	
<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>			
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	WIDETRACC	CC-54D	1999-028M
<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>			



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## Section 619: Permanent Impact Attenuating Devices (DM-2, Chapter 12)

### 619.2 Permanent Impact Attenuating Devices

Last Revised: 8/11/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

Product	Name	FHWA Acceptance Letter	Ref. No.	
TRIN2 15	Trinity Highway Products, LLC, 550 East Robb Ave., Lima, OH 45801 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>			
	Type II, Energy Absorbing Tangent Terminal	ET-PLUS	2010-191C	
	<i>Effective 10/31/2014, all installations of ET-PLUS end terminal systems manufactured by Trinity Highway Products are hereby suspended until further notice. Any ET-PLUS terminal systems already on-site are NOT to be installed.</i>			
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>			
	Type II, Energy Absorbing Tangent Terminal	ET-PLUS with Steel Yielding Terminal Post	2010-191B	
<i>Effective 10/31/2014, all installations of ET-PLUS end terminal systems manufactured by Trinity Highway Products are hereby suspended until further notice. Any ET-PLUS terminal systems already on-site are NOT to be installed.</i>				
<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>				
Type II, Energy Absorbing Tangent Terminal	WY-BET		2011-015	
Type III, Non-Energy Absorbing Terminal	SRT 350	CC-51	2010-191A	
TRIN3 15	Trinity Highway Products, LLC, 2548 NE 28th Street, Ft. Worth, TX 76111 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>			
	Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	FASTRACC	CC-54H	2010-251QB
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>			
	Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	SHORTRACC	CC-54A	2010-251QD
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>			
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	TRACC	CC-54	2010-251QA	
<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>				
Type V, Non-Gating Two-Way Traffic System (Standard Maintenance)	WIDETRACC	CC-54D	2010-251QC	
<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>				



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## Section 619: Permanent Impact Attenuating Devices (DM-2, Chapter 12)

### 619.2 Permanent Impact Attenuating Devices

Last Revised: 8/11/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

Product	Name	FHWA Acceptance Letter	Ref. No.
<b>WHIPI 15</b>	<b>Whip Industries, 3010 South Main Street, Fort Worth, TX 76110 <a href="http://www.whipindustries.com/">http://www.whipindustries.com/</a></b>		
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (30 inch)	CC-85	2014-017QC
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (36 inch)	CC-85	2014-017QC
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (41-1/4 to 60 inch maximum)	CC-85	2014-017QC
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 100 GM (Standard)	CC-85	2014-017QC
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (30 inch)	CC-85A	2014-017QA
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (36 inch)	CC-85A	2014-017QA
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (41-1/4 to 60 inch maximum)	CC-85A	2014-017QA
Type V, Non-Gating Two-Way Traffic System (Low-Maintenance, Self-Restoring)	SCI 70 GM (Standard)	CC-85A	2014-017QA



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## Section 624: Right-of-Way Fence

### 624.2(b) Packaged Dry Concrete

Last Revised: 7/7/2015

	Product	Name	Ref. No.
CTS-1 15	CTS Cement Manufacturing Company, 11065 Knott Ave., Suite A, Cypress, CA 90630 Packaged Dry Concrete	<a href="http://www.ctscement.com/">http://www.ctscement.com/</a> Rapid Set Concrete Mix	1993-092
USCPR 15 Plant	US Concrete Products, 16 Green Meadow Drive, Suite 202, Timonium, MD 21093 Packaged Dry Concrete	<a href="http://www.uscproducts.com/">http://www.uscproducts.com/</a> HP Concrete (41423)	2010-319Q



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## Section 626: Gabions

### 626.2(c) Gabion Basket

Last Revised: 7/7/2015

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
CESHC 15	C. E. Sheperd Company, 2221 Canada Dry Street, Houston, TX 77023 <a href="http://www.ceshepherd.com/">http://www.ceshepherd.com/</a>		
	Galvanized Wire Gabion		1997-190
	Polyvinyl Chloride Coated Gabion		1997-190
LANE3 15	Lane Enterprises, Inc., 8271 Mercer St., P.O. Box 345, Pulaski, PA 16143 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a>		
	Galvanized Wire Gabion		1988-014
	Polyvinyl Chloride Coated Gabion		2000-273Q
MACCA 15	Maccaferri Gabions, Inc., 10303 Governor Lane Blvd., Williamsport, MD 21795-3116 <a href="http://www.maccaferri.com/us/">http://www.maccaferri.com/us/</a>		
	Galvanized Wire Gabion		1968-012
	Polyvinyl Chloride Coated Gabion		1968-012
TERR1 15 Plant	Terra Aqua Inc., 1415 North 32nd Street, Ft. Smith, AR 72904 Ft. Smith, AR		
	Galvanized Wire Gabion		1987-195B
	Polyvinyl Chloride Coated Gabion		1987-195A
ULTGB 15	Ultimate Gabions, Inc., 500 Wood Street, P.O. Box 1002, Bristol, RI 02809		
	Galvanized Wire Gabion		1998-026



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### **Section 627: Temporary Concrete Barrier**

#### **627.2 Temporary Concrete Barriers**

See Temporary Barrier, Section 901



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 636: Bituminous Concrete Curb

### 636.2(c) Filler (Drawn Polyester Fibers)

Last Revised: 4/27/2015

	Product	Name	Ref. No.
<b>FIBAD 15</b>	<b>Fiber-Ad Corporation, 2619 West Blvd., Charlotte, NC 28224</b>		
	Bituminous Stockpile Patching Material <i>Standard Special Provision c04861 Item 9486-001.</i>	A-1 Polyester	1991-275
	Bituminous Wearing Course FJ-4 (SU) <i>Standard Special Provision S-b04231 Section 423-Bituminous Wearing Course FJ-4 (SU). (0.125% by weight mix, 0.2% additional AC.)</i>	A-1 Polyester	1991-275
	Filler for Bituminous Concrete Curb Mixes	A-1 Polyester	1991-275
<b>GFC-M 15</b>	<b>GFC Materials Company, 2183 Pennsylvania Ave., Apalachin, NY 13732</b>		
	Bituminous Stockpile Patching Material <i>Standard Special Provision c04861 Item 9486-001.</i>	Type 402 Polyester	1990-344B
	Bituminous Wearing Course FJ-4 (SU) <i>Standard Special Provision S-b04231 Section 423-Bituminous Wearing Course FJ-4 (SU). (0.125% by weight mix, 0.2% additional AC.)</i>	Type 402 Polyester	1990-344B
	Filler for Bituminous Concrete Curb Mixes	Type 402 Polyester	1990-344B
<b>KAPEJ 15</b>	<b>Kapejo, Inc., 35 Southgate Blvd., P. O. Box 649, New Castle, DE 19720-0649</b>		
	Bituminous Stockpile Patching Material <i>Standard Special Provision c04861 Item 9486-001.</i>	Bonifiber B	1984-014
	Bituminous Wearing Course FJ-4 (SU) <i>Standard Special Provision S-b04231 Section 423-Bituminous Wearing Course FJ-4 (SU). (0.125% by weight mix, 0.2% additional AC.)</i>	Bonifiber B	1984-014
	Filler for Bituminous Concrete Curb Mixes	Bonifiber B	1984-014





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## Section 643: Temporary Concrete Barrier, Structure Mounted

### 643.2(c)6 Adhesive Bonding Material (use in accordance with BC-719M)

Last Revised: 7/7/2015

Product	Name	Installation Type	Spacing	Ref. No.	
ADHTC 15	Adhesives Technology Corporation, 450 East Copans, Pompano Beach, FL 33064 <a href="http://www.atcepoxy.com/">http://www.atcepoxy.com/</a> Adhesive Bonding Material	Ultrabond HS-200	A, B	1', 2', 4'	2004-054Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				
	Adhesive Bonding Material	Ultrabond HS-200	C	1'	2004-054Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				
ADVAC 15	Advance Coatings, 42 Depot Road, Westminster, MA 01473 <a href="http://advancecoatings.com/">http://advancecoatings.com/</a> Adhesive Bonding Material	KeligROUT 101-P	A, B	1', 2', 4'	2004-123B
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				
	Adhesive Bonding Material	KeligROUT 101-P	C	1'	2004-123B
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				
ITW-R 15	ITW Red Head, 1300 N. Michael Drive, Wood Dale, IL 60191 <a href="http://www.itwredhead.com/">http://www.itwredhead.com/</a> Adhesive Bonding Material	A7 Acrylic	A	1', 2', 4'	2004-065Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				
	Adhesive Bonding Material	A7 Acrylic	B	1'	2004-065Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				
UNITX 15	DSC Unitex, 3101 Gardner Ave., Kansas City, MO 64120 <b>Formerly Unitex</b> Adhesive Bonding Material	Propoxy 300 Fast	A, B	1', 2', 4'	2004-056B
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				
	Adhesive Bonding Material	Propoxy 300 Fast	C	1'	2004-056B
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>				



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## Section 659: High Friction Surface Treatment (HFST)

### 659.2(a) Binder Resin System

Last Revised: 7/9/2015

There are several High Friction Surface Treatment Binder Resin products being evaluated by NPI (with approval pending). Contact NPI for a list of resin systems that are available for use on projects at [RA-pdETIPProductUse@pa.gov](mailto:RA-pdETIPProductUse@pa.gov)

	Product	Name	Ref. No.
ENN-1 15	Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>  Binder Resin System  <i>Suspended for 2015. Tyregrip High Friction Surface is not available from the manufacturer for the 2015 calendar year. Product availability will be determined prior to the 2016 construction season.</i>  <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Tyregrip High Friction Surface	2008-088



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## Section 664: Modular Architectural Block System

### 664.2 Modular Architectural Blocks

Last Revised: 7/7/2015

Approved Licensors:

Allen Block Corporation, 1994-268;  
Anchor Wall Systems, 1995-265;  
Keystone Retaining Wall Systems (Contech Engineered Solutions), 2000-186, 2000-187;  
Risi Stone Systems, 1995-144, 1999-190Q;  
Versa-Lok Company, 2002-116

	Product	Name	Ref. No.
DOREN 15	Doren, Inc., R.D. #2, Route 18, P.O. Box 55, Wampum, PA 16157 Modular Architectural Block	Versa-Lok	2002-116Q
FADD1 15	Faddis Concrete Products, 3515 Kings Highway, Downingtown, PA 19335 <a href="http://www.faddis.com/">http://www.faddis.com/</a> Modular Architectural Block	Dura Hold II	1999-190Q
FIZZ2 15 Plant	Fizzano Brothers Concrete Products, Inc., 201 South Phoenixville Pike, Malvern, PA 19355 <a href="http://fizzano.com/">http://fizzano.com/</a> 201 S. Phoenixville Pike Malvern, PA 19355 Modular Architectural Block	Allen Block	1994-268
LANDS 15	Landis Block & Concrete Inc., 711 N. County Line Road, Souderton, PA 18964 <a href="http://www.landisbc.com/">http://www.landisbc.com/</a> Modular Architectural Block	Anchor Diamond	1995-265
MIDAP 15	Mid Atlantic Precast Inc., 401 Railroad Street, Monongahela, PA 15063 Modular Architectural Block	Dura Hold II	1995-144
YORKB 15	York Building Products, Inc., 1020 North Hartley Street, York, PA 17404 <a href="http://www.yorkbuilding.com/">http://www.yorkbuilding.com/</a> Modular Architectural Block Modular Architectural Block	Keystone Compact Keystone Standard	2000-187Q 2000-186Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 678: Permanent Barricades

### 678.2(a)1 Wood Posts (Pressure Treated)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
AMETS 15	American Timber and Steel Corporation, 4832 Plank Road, P. O. Box 767, Norwalk, OH 44857-0767 Wood Post (Pressure Treated)	<a href="http://www.americantimberandsteel.com/">http://www.americantimberandsteel.com/</a>	1995-271
GRE-1 15 Plant	Great Southern Wood Preserving, P. O. Box 610, Abbeville, AL 36310 Hagerstown, MD Wood Post (Pressure Treated)	<a href="http://greatsouthernwood.com/">http://greatsouthernwood.com/</a>	2011-149Q
STEJ1 15	Stella-Jones Corporation, 3424 Parkersburg Road, Reedy, WV 25270-9402 <i>Formerly Burke-Parsons Bowlby (BURPB 15)</i> Wood Post (Pressure Treated)	<a href="http://stella-jones.com/">http://stella-jones.com/</a>	1997-067
TAYLR 15	Taylor-Ramsey Corporation, P.O. Box 11888, Lynchburg, VA 24506 Wood Post (Pressure Treated)		1985-090



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 679: Slab Stabilization

### 679.2 Slab Stabilization, Alternate to (a), (b), (c), (d)

Last Revised: 3/2/2015

Concrete Mix Design (void filler beneath slab)

	Product	Name	Ref. No.
BASFE 15	BASF Polyurethane Foam, Enterprises LLC, 13630 Watertower Circle, Plymouth, MN 55441 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	Alternate to Concrete Mix Design (void filler beneath slab)	FE 663.01 Rigid Pour Foam	2008-167Q
	<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
BAYNA 15	Bayer MaterialScience LLC, 100 Bayer Road, Pittsburgh, PA 15205-9741 <a href="http://www.materialscience.bayer.com/en">http://www.materialscience.bayer.com/en</a>		
	<i>Formerly Baysystems</i>		
	Alternate to Concrete Mix Design (void filler beneath slab)	Baysystems 486 Star	2007-023
	<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		

### 679.2 (e) Part A Rapid Set Concrete Patching Materials

Last Revised: 3/2/2015

Part A: Cementitious, Non-Metallic, Non-Staining

	Product	Name	Ref. No.
5STAR 15	Five Star Products, Inc., 750 Commerce Drive, Fairfield, CT 06825 <a href="http://www.fivestarproducts.com/">http://www.fivestarproducts.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	5 Star Highway Patch	1979-039
	Cementitious, Non-Metallic, Non-Staining Material	5 Star Structural Concrete	1987-002
	Cementitious, Non-Metallic, Non-Staining Material	5 Star Structural Concrete V/O	1990-214
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	Cementitious, Non-Metallic, Non-Staining Material	MasterEmaco N 424	1977-024
	<i>Previous Name: Emaco GP</i>		
	Cementitious, Non-Metallic, Non-Staining Material	MasterEmaco T 1060	1986-028
	<i>Previous Name: 10-60 Rapid Mortar</i>		
	Cementitious, Non-Metallic, Non-Staining Material	MasterEmaco T 415	1993-148
	<i>Previous Name: Emaco T415 Repair Mortar</i>		



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## Section 679: Slab Stabilization

### 679.2 (e) Part A Rapid Set Concrete Patching Materials

Last Revised: 3/2/2015

Part A: Cementitious, Non-Metallic, Non-Staining

	Product	Name	Ref. No.
CETEC 15	<b>Ceratech, Inc., 3501 Brehms Lane Suite D, Baltimore, MD 21213</b> <a href="http://www.ceratechinc.com/">http://www.ceratechinc.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	Pavemend 15.0	2004-059Q
CGM-N 15	<b>CGM Inc., 1463 Ford Road, Bensalem, PA 19020</b> <a href="http://cgmbuildingproducts.com/">http://cgmbuildingproducts.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	CGM Highway Patch	1987-082
CHEMM 15	<b>Chem Masters, 300 Edward Street, Madison, OH 44057</b> <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	Chemspeed 65	1995-046
DAYT1 15	<b>Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106</b> <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	HD-50	1985-185
	Cementitious, Non-Metallic, Non-Staining Material	Pave Patch 3000	2004-067Q
EUCLD 15	<b>Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799</b> <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	Euco-Speed	1995-148
	Cementitious, Non-Metallic, Non-Staining Material	Express Repair	2003-132Q
	Cementitious, Non-Metallic, Non-Staining Material	Speed Crete 2028	1996-223
	Cementitious, Non-Metallic, Non-Staining Material	Speed Crete Green Line	1991-010
GILLI 15	<b>Gill Industries, Inc., 3462 Kershaw-Camden Highway, Lancaster, SC 29720</b> <a href="http://www.gill-industries.com/">http://www.gill-industries.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	Gill 33B	1972-050
	Cementitious, Non-Metallic, Non-Staining Material	P Superbond	1972-050
HBFUL 15 Plant	<b>H. B. Fuller, 1200 Willow Lake Boulevard, St. Paul, MN 55110-5101</b> <a href="http://www.hbfuller.com/">http://www.hbfuller.com/</a>		
	<b>H. B. Fuller Fairless Hills, PA 19030</b>		
	Cementitious, Non-Metallic, Non-Staining Material	ProSpec F-77 Construction Grout	1988-044
KAUFM 15	<b>Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131</b> <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	Duracrete II	2007-005Q



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## Section 679: Slab Stabilization

### 679.2 (e) Part A Rapid Set Concrete Patching Materials

Last Revised: 3/2/2015

Part A: Cementitious, Non-Metallic, Non-Staining

	Product	Name	Ref. No.
L&MCC 15	L&M Construction Chemicals, Inc., 14851 Calhoun Road, Omaha, NE 68152 <a href="http://www.lmcc.com/">http://www.lmcc.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	Crystex	1976-032
	Cementitious, Non-Metallic, Non-Staining Material	Durapatch Hiway	1984-217
QUIKR 15 Plant	The Quikrete Companies, One Securities Centre, 3490 Piedmont Road, N.E. Suite 1300, Atlanta, GA 30305 <a href="http://www.quikrete.com/">http://www.quikrete.com/</a>		
	Latrobe, PA		
	Cementitious, Non-Metallic, Non-Staining Material	CG FastSet(TM) Concrete Mix	2000-288Q
	Cementitious, Non-Metallic, Non-Staining Material	FastSet(TM) DOT Mix	2003-004Q
	Cementitious, Non-Metallic, Non-Staining Material	FastSet(TM) Non-Shrink Grout	2000-292Q
	Cementitious, Non-Metallic, Non-Staining Material	Rapid Road Repair	1984-086
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Marion, OH		
	Cementitious, Non-Metallic, Non-Staining Material	SikaSet Road Patch	1978-043
	Cementitious, Non-Metallic, Non-Staining Material	Sikatop III	1978-043
SIKA2 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Lyndhurst, NJ		
	Cementitious, Non-Metallic, Non-Staining Material	SikaQuick 1000	2003-036Q
	Cementitious, Non-Metallic, Non-Staining Material	SikaQuick 2500	2003-037Q
SPECH 15	SpecChem, LLC, 1619 Walnut Street, Kansas City, MO 64108 <a href="http://specchemllc.com/">http://specchemllc.com/</a>		
	Cementitious, Non-Metallic, Non-Staining Material	Repcon 928	2013-018Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
USGY1 15	U. S. Gypsum Company, Industrial Products, 125 South Franklin Street, Chicago, IL 60606-4678		
	Cementitious, Non-Metallic, Non-Staining Material	Duracal	1988-020
	Cementitious, Non-Metallic, Non-Staining Material	Duracal-S	1994-009



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 679: Slab Stabilization

### 679.2 (e) Part B Rapid Set Concrete Patching Materials

Last Revised: 3/2/2015

Part B: Magnesium Phosphate Cement Based Materials

	Product	Name	Ref. No.
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	Magnesium, Phosphate Cement-Based Material	MasterEmaco T 545 (previous Set 45 Regular)	1974-016
	Magnesium, Phosphate Cement-Based Material	MasterEmaco T 545 HT (previous Set 45 Hot Weather)	1974-016
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>		
	Magnesium, Phosphate Cement-Based Material	Euco-Speed M.P.	1988-354
IMCTI 15	IMCO Technologies, Inc., 350 Wentworth St. North,, Hamilton, Ontario Canada L8L5W3		
	Magnesium, Phosphate Cement-Based Material	MG-Krete 1260	2006-235Q

### 679.2 (e) Part C Rapid Set Concrete Patching Materials

Last Revised: 3/2/2015

Part C: Polymer Mortar and Concrete

	Product	Name	Ref. No.
HILT- 15	Hilti, Inc., 5400 South 122nd East Ave., P.O. Box 21148, Tulsa, OK 74121 <a href="https://www.hilti.com/">https://www.hilti.com/</a>		
	Polymer Mortar and Concrete	RM 698 Epoxy Patch	1988-017
TRASA 15	Transpo Industries, Inc., 20 Jones Street, New Rochelle, NY 10801 <a href="http://www.transpo.com/">http://www.transpo.com/</a>		
	Polymer Mortar and Concrete	T17 Polymer Concrete	1979-060





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## Section 680: Waterproofing

### 680.2(b) Adhesive-Backed Preformed Membrane Sheet

Last Revised: 7/7/2015

	Product	Name	Ref. No.
CRAF0 15 Plant	Crafco, Inc., 420 North Roosevelt Avenue, Chandler, AZ 85226 <a href="http://www.crafco.com/">http://www.crafco.com/</a> 121 Industrial Park Road Halls, TN 38040		
	Bridge Deck, Rubberized Asphalt	Geo Tac	2006-035Q
	Non-Bridge Deck, Rubberized Asphalt	Geo Tac	2006-035Q
MEDW0 15	W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Bridge Deck, Rubberized Asphalt	SealTight Mel-Dek	1993-275
	Non-Bridge Deck, Rubberized Asphalt	SealTight Mel-Rol	1993-274
POLYG 15	Polyguard Products, Inc., 3801 S. Business 45, Ennis, TX 75119 <a href="http://www.polyguardproducts.com/">http://www.polyguardproducts.com/</a>		
	Bridge Deck, Rubberized Asphalt	Polyguard NW-75	2007-115Q
	Non-Bridge Deck, Rubberized Asphalt	Polyguard NW-75	2007-115Q
PROP2 15 Plant	Propex, Inc., 4019 Industry Drive, P.O. Box 22788, Chattanooga, TN 37416 <a href="http://www.propexglobal.com/">http://www.propexglobal.com/</a> Ringgold, GA		
	Bridge Deck, Rubberized Asphalt	Petrotac 4591	2011-167Q
	Non-Bridge Deck, Rubberized Asphalt	Petrotac 4591	2011-167Q
ROYST 15	Royston Laboratories Chase Corporation, Inc., 128 First Street, Pittsburgh, PA 15238-3223		
	Bridge Deck, Modified Bitumen <i>Certification Reduction Level 3 per Publication 408 Section 106.03(b)3 as of 11/27/2012</i>	10A-65 Bridge Deck Membrane	2000-018Q
	Bridge Deck, Modified Bitumen <i>Certification Reduction Level 3 per Publication 408 Section 106.03(b)3 as of 11/27/2012</i>	10A-65 Easy Pave	2000-019Q
SOPRE 15	Soprema, Inc., 310 Quadral Drive, Wadsworth, OH 44281 <a href="http://soprema.us/">http://soprema.us/</a>		
	Bridge Deck, Modified Bitumen <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Antirock (Alternate)	2001-043Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 695: Detectable Warning Surface

### 695.2(a) Detectable Warning Surface (DWS)

Last Revised: 7/7/2015

Product	Name	Ref. No.
<b>ADASI 15</b>	<b>ADA Solutions, Inc, 10 Elizabeth Drive, Chelmsford, MA 18240 <a href="http://www.adatile.com/">http://www.adatile.com/</a></b>	
DWS, Polymer Composite <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Replaceable We Set Composite	2008-019Q
DWS, Polymer Composite <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Tactile Systems Composite Paver (cast in place)	2007-049Q
<b>ARMOR 15</b>	<b>Armorcast Products Company, 13230 Saticoy Street, North Hollywood, CA 91605 <a href="http://www.armorcastprod.com/">http://www.armorcastprod.com/</a></b>	
DWS, Polymer Concrete <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Replaceable Wet Set Detectable Panel (with steel angles)	2007-116Q
<b>DETTI 15 Plant</b>	<b>Detectile, Inc., 603 Mallard Lane, Oak Brook, IL 60523 <a href="http://www.detectile.com/">http://www.detectile.com/</a> Manitowoc, WI</b>	
DWS, Polymer Composite <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	PFC Composite Replaceable Panel	2009-057Q
<b>EJI-0 15</b>	<b>EJ, 301 Spring Street, P.O. Box 439, East Jordan, MI 49727-0439 <a href="http://ejco.com/">http://ejco.com/</a></b>	
DWS, Cast Iron <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Detectable Warning Plate	2007-020Q
<b>ENGPI 15 Plant</b>	<b>Engineered Plastics, Inc., 300 International Dr., Suite 100, Williamsville, NY 14221 <a href="http://engplastics.com/">http://engplastics.com/</a> Buffalo, NY</b>	
DWS, Polymer Composite <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Access Tile Replaceable Cast in Place ACC-R	2010-036QB
DWS, Polymer Composite <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Armor Tile	2007-052Q
<b>EZSTI 15 Plant</b>	<b>EZ Set Tile, Inc., 4495 Gunpowder Circle, Hastings, NE 68901 <a href="http://www.ezsettile.com/">http://www.ezsettile.com/</a> Aurora, NE</b>	
DWS, Polymer Composite <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	EZ Set Tile	2007-019Q



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## Section 695: Detectable Warning Surface

### 695.2(a) Detectable Warning Surface (DWS)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
MFGCS 15	Molded Fiber Glass Composite Systems Company, 2925 MFG Place, Ashtabula, OH 44004 DWS, Polymer Composite <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://www.moldedfiberglass.com/">http://www.moldedfiberglass.com/</a> Alert Cast Detectable Warning System	2010-196Q
NEENA 15	Neenah Foundry Company, Box 729, 2121 Brooks Ave., Neenah, WI 54956 DWS, Cast Iron <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://www.nfco.com/">http://www.nfco.com/</a> NF-R-4984-100 Plate	2007-111Q
STECC 15	Steel Craft Corporation, 105 Steel Craft Road, Hartford, WI 53027 DWS, Stainless Steel <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://www.steelcraftwi.com/">http://www.steelcraftwi.com/</a> MD Metapanel	2011-191Q
TRASA 15	Transpo Industries, Inc., 20 Jones Street, New Rochelle, NY 10801 DWS, Polymer Concrete <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://www.transpo.com/">http://www.transpo.com/</a> Transpo Step-Safe	2006-229Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 696: Temporary Impact Attenuation Devices (DM-2, Chapter 12)

### 696.2 Temporary Impact Attenuation Devices

Last Revised: 7/7/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

Product	Name	FHWA Acceptance Letter	Ref. No.
<b>BARRS 15</b>	<b>Barrier Systems, Inc., 180 River Road, Rio Vista, CA 94571</b> <a href="http://www.barriersystemsinc.com/">http://www.barriersystemsinc.com/</a>		
	Type V, Non-Gating Two-Way Traffic System	Universal TAU-II(TM)	2004-083Q
	Type V, Non-Gating Two-Way Traffic System	X-Tenuator	2011-069QB
	Type VI, Gating Non-Redirective Crash Cushion System	ABSORB 350	2001-066
<b>ENERG 15</b>	<b>Energy Absorption Systems, Inc., 70 West Madison Street, Suite 2350, Chicago, IL 60602</b> <a href="http://energyabsorption.com/">http://energyabsorption.com/</a>		
<b>Plant</b>	<b>Pell City, AL</b>		
	Type V, Non-Gating Two-Way Traffic System	QuadGuard CZ	1998-027
	Type V, Non-Gating Two-Way Traffic System	QuadGuard HS	2001-223Q
	Type V, Non-Gating Two-Way Traffic System	QuadGuard II (Modified QuadGuard)	2009-159QB
	<i>Spincast Plastics, South Bend, IN</i>		
	Type V, Non-Gating Two-Way Traffic System	QUEST System	2005-052Q
	Type V, Non-Gating Two-Way Traffic System	REACT 350	1995-158
	Type VI, Gating Non-Redirective Crash Cushion System	Energite III Module	----
	Type VI, Gating Non-Redirective Crash Cushion System	Fitch Inertial	----
<b>LEISS 15</b>	<b>Leiss Tool &amp; Die, 801 North Pleasant Avenue, Somerset, PA 15501</b> <a href="http://leiss.com/">http://leiss.com/</a>		
	Type V, Non-Gating Two-Way Traffic System	SCI 100 GM	2014-029QD
	Type V, Non-Gating Two-Way Traffic System	SCI 70 GM	2014-029QB
<b>MORVA 15</b>	<b>Morgan Valley Manufacturing, 340 North Industrial Road, P. O. Box 746, Morgan, UT 84050</b>		
	Type V, Non-Gating Two-Way Traffic System	SCI 100 GM	2004-015
	Type V, Non-Gating Two-Way Traffic System	SCI 70 GM	2005-033
<b>PLASS 15</b>	<b>Plastic Safety Systems, Inc., 2444 Baldwin Road, P.O. Box 20140, Cleveland, OH 44104</b> <a href="http://plasticsafety.com/">http://plasticsafety.com/</a>		
	Type VI, Gating Non-Redirective Crash Cushion System	Plastic Safety Systems	2010-306Q



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## Section 696: Temporary Impact Attenuation Devices (DM-2, Chapter 12)

### 696.2 Temporary Impact Attenuation Devices

Last Revised: 7/7/2015

FHWA Acceptance Letters: [Terminals/Crash Cushions Letters](#)

	Product	Name	FHWA Acceptance Letter	Ref. No.
TRFXD 15	Traffix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a>			
	Type IV, Gating Two-Way Traffic System	Sled End Treatment		2011-111
	Type VI, Gating Non-Redirective Crash Cushion System	Traffix		1998-143
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>			
	Type IV, Gating Two-Way Traffic System	ADIEM II		1992-246
	Type V, Non-Gating Two-Way Traffic System	TRACC		1999-028
	<i>For additional information on identifiable steel products, go to: <a href="#">Identifiable Steel</a></i>			
WHIPI 15	Whip Industries, 3010 South Main Street, Fort Worth, TX 76110 <a href="http://www.whipindustries.com/">http://www.whipindustries.com/</a>			
	Type V, Non-Gating Two-Way Traffic System	SCI 100 GM		2014-017QB
	Type V, Non-Gating Two-Way Traffic System	SCI 70 GM		2014-017QD



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 701: Cement

### 701 Cement Plant

Last Revised: 5/15/2015

Product	Name	Letter Date	Ref. No.
AALPO 15 Plant	Aalborg Portland A/S, Roerdalsvej 44, Aalborg 9100 <a href="http://www.aalborgportland.com/">http://www.aalborgportland.com/</a> Roerdalsvej 44 Aalborg 9100 Type I		2010-084Q
ARMST 15 Plant	Armstrong Cement and Supply, 100 Clearfield Road, Cabot, PA 16023-9521 <a href="http://armstrongconcrete.com/">http://armstrongconcrete.com/</a> 100 Clearfield Road Cabot, PA 16023-9521 Type I Type I <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i> Type II Type II MH Type III Type V	7/6/2009	----- ----- ----- ----- ----- 2000-010Q
BUZZ1 15 Terminal	Buzzi Unicem USA Stockertown, 501 Hercules Drive, P. O. Box 69, Stockertown, PA 18083 <a href="http://www.buzziunicemusa.com/">http://www.buzziunicemusa.com/</a> Stockertown, PA Type I <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i> Type I Type II MH <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i> Type II MH Type III Type III <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	5/4/2009  5/4/2009  5/4/2009	----- ----- ----- ----- -----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 701: Cement

### 701 Cement Plant

Last Revised: 5/15/2015

Product	Name	Letter Date	Ref. No.
<b>BUZZ2 15</b> Plant	<b>Buzzi Unicem USA, Chattanooga, 1201 Suck Creek Road, P. O. Box 4304, Chattanooga, TN 37405</b> <a href="http://www.buzziunicemusa.com/">http://www.buzziunicemusa.com/</a> 1201 Suck Creek Road P. O. Box 4304 Chattanooga, TN 37405		
	Type I <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition.</i> <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2011-222QA
	Type II <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition.</i> <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2011-222QB
<b>CEMX4 15</b> Plant	<b>Cemex, Inc., Louisville Plant, P.O. Box 72319, Louisville, KY 40272</b> <a href="http://www.cemex.com/">http://www.cemex.com/</a> Louisville, KY		
	Type I		2001-056Q
	Type II		2001-056Q
	Type II MH		2001-056Q
	Type III		2001-056Q
	Type IS		1993-040
<b>CEMX6 15</b> Plant	<b>Cemex, Inc., 3250 Linebaugh Road, Xenia, OH 45385</b> <a href="http://www.cemex.com/">http://www.cemex.com/</a> Fairborn, OH		
	Type I <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition.</i> <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2012-172QA
	Type II <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition.</i> <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2012-172QB
	Type II MH <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition.</i> <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2012-172QB
	Type III		2010-043Q



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## Section 701: Cement

### 701 Cement Plant

Last Revised: 5/15/2015

Product	Name	Letter Date	Ref. No.
<b>ESS-3 15 Plant</b>	<b>Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a> Martinsburg, WV</b>		
Type I			1995-072
Type II		8/14/2012	----
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>		
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
Type II			1995-072
Type III			1995-072
Type IP (20)			1995-072
<b>ESS-7 15 Plant</b>	<b>Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a> Nazareth, PA</b>		
Type I	Plant 1		2013-071Q
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>		
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
Type I	Plant 3		1997-187
Type II	Plant 1		2013-071Q
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>		
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
Type II	Plant 3		1997-187
Type III	Plant 1		1997-187
Type III	Plant 3		1997-187





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## Section 701: Cement

### 701 Cement Plant

Last Revised: 5/15/2015

Product	Name	Letter Date	Ref. No.
ESS11 15 Plant	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a> Picton, Ontario		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	6/9/2011	----
	Type I		2005-087Q
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	6/9/2011	----
	Type II		2005-087Q
ESS13 15 Plant	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a> Speed, IN		
	Type I <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2009-024QA
	Type II <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2009-024QB
	Type III <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2009-162Q
FEDW0 15 Plant	Federal White Cement, Inc., P.O. Box 1609, Woodstock, Ontario N4S 0A8 <a href="http://www.federalwhitecement.com/">http://www.federalwhitecement.com/</a> P.O. Box 1609 Woodstock, Ontario N4S 0A8		
	Type I		1997-082
HOLC9 15 Plant	Holcim (Canada) Inc., 2391 Lakeshore Road West, Mississauga, Ontario L5J 1K1 <a href="http://www.holcim.us/">http://www.holcim.us/</a> 2391 Lakeshore Road West Mississauga, Ontario L5J 1K1		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	1/17/2008	----



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## Section 701: Cement

### 701 Cement Plant

Last Revised: 5/15/2015

Product	Name	Letter Date	Ref. No.
HOLI2 15 Plant	Holcim US Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Buffalo, NY		
	Type I		----
	Type II		----
	Type II MH		----
	Type III		----
HOLI4 15 Plant	Holcim (US) Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Hagerstown, MD		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	8/14/2007	----
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	6/11/2010	----
	Type II Type II MH <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	6/11/2010	1990-148 ----
	Type II MH		1990-148
	Type III		1990-148



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## Section 701: Cement

### 701 Cement Plant

Last Revised: 5/15/2015

Product	Name	Letter Date	Ref. No.
HOLI5 15 Plant	Holcim (US) Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Holly Hill, SC		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2011-224QA
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2011-224QB
	Type II MH <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		2011-224QB
	<hr/>		
	HOLI6 15 Plant	Holcim U.S., Inc. Ste. Genevieve Plant, North East Group Sales, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Bloomsdale, MO	
Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			2012-090QA
Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			2012-090QB
Type II MH <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			2012-090QB
<hr/>			
KEYSP 15 Plant		Keystone Portland Cement Company, Route 329, P.O. Box A, Bath, PA 18014 <a href="http://www.keystone-cement.com/">http://www.keystone-cement.com/</a> Route 329, P.O. Box A Bath, PA 18014	
	Type I		----
	Type II		----
	Type III		----



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Product	Name	Letter Date	Ref. No.	
LAFR1 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>			
	Buffalo, NY			
	Type I		----	
	Type II		----	
	Type III		----	
LAFR1015 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>			
	Ravena, NY			
	Type I	3/25/2010	----	
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
	Type I		----	
	Type II		----	
	Type II	3/25/2010	----	
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>				
LAFR2 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>			
	Cleveland, OH			
	Type I		----	
	Type II		----	
	Type III		----	
LAFR3 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>			
	Bath, Ontario			
	Type I	1/17/2008	----	
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
	Type I		----	
	Type II		----	
	Type III		----	



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Product	Name	Letter Date	Ref. No.
LAFR5 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>		
	Oswego, NY		
	Type I		----
	Type II		----
	Type III		----
LAFR7 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>		
	Whitehall, PA		
	Type I	12/16/2009	----
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
	Type I		2001-095Q
	Type II		2013-146Q
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
	Type III	12/16/2009	----
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
	Type III		2001-095Q
Type IS (30)		2005-002Q	
Type IS (40)		2008-021Q	
LAFR8 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>		
	Joppa, IL		
	Type I		1991-153
	Type II		1991-153
	Type III		1991-153



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Product	Name	Letter Date	Ref. No.
LAFR9 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>		
	Belpre, OH		
	Type I		1993-402
	Type II		1993-402
	Type III		1993-402
LEH-1 15 Plant	Lehigh Portland Cement Company, 675 Quaker Hill Road, Union Bridge, MD 21791		
	Union Bridge, MD		
	Type I	3/11/2008	----
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Type II	3/11/2008	----
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type II MH	3/11/2008	----	
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type III	3/11/2008	----	
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
LEH-2 15 Plant	Lehigh Portland Cement Company, 200 Hokes Mill Road, York, PA 17404		
	York, PA		
	Type I White	4/6/2009	----
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type I White		1989-253	



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Product	Name	Letter Date	Ref. No.
LEH-3 15 Plant	Lehigh Portland Cement Company, Evansville Plant, 537 Evansville Road, Fleetwood, PA 19522 Evansville, PA		
	Type I		----
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>		
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Type II		----
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>		
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type II MH			----
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type III			----
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type IS (40)			1999-152Q
LEH-5 15 Plant	Lehigh Portland Cement Company, 675 Quaker Hill Road, Unionbridge, MD 21791 Mitchell, IN		
	Type I	12/13/2012	----
	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>		
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Type I		2004-129Q
	Type II	12/13/2012	----
<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type II			2004-129Q
Type II MH			2004-129Q



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Product	Name	Letter Date	Ref. No.
LEHN0 15 Plant	Lehigh Northeast Cement Company, 313 Warren Street, Glen Falls, NY 12801 313 Warren Street Glen Falls, NY 12801		
	Type I	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	2011-180QA
	Type II	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	2011-180QB
	Type III	<i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	2011-180QC
RIVER 15 Plant	Riverside Construction Materials, 355 Newbold Rd., Fairless Hills, PA 19030 Siam Cement Company Thailand		
	Type I <i>Manufactured by the Siam Cement Company.</i>		1998-195
SCC-1 15 Plant	Ssangyong Cement Industrial Co, 200, Samhwa-dong, Donghae-city Donghae-city, Gangwon-Do		
	Type I <i>Riverside Construction Materials</i>		2008-176Q





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Product	Name	Letter Date	Ref. No.
STMC1 15 Plant	St. Marys Cement, 9333 Dearborn Street, Detroit, MI 48209 <a href="http://www.stmaryscement.com/saintmaryscementinc/">http://www.stmaryscement.com/saintmaryscementinc/</a> St. Marys, Ontario		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	10/6/2010	----
	Type I		1988-318
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	10/6/2010	----
	Type II Type II MH <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	10/6/2010	1988-318 ----
	Type II MH		1988-318
	Type III		1988-318
STMC2 15 Plant	St. Marys Cement, 9333 Dearborn Street, Detroit, MI 48209 <a href="http://www.stmaryscement.com/saintmaryscementinc/">http://www.stmaryscement.com/saintmaryscementinc/</a> Bowmanville, Ontario		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	10/6/2010	----
	Type I		1997-097
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		2013-248QA
	Type II MH <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		2013-248QB
	Type III		1997-097

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Product	Name	Ref. No.
<b>BUZZ1 15 Terminal</b>	<b>Buzzi Unicem USA Stockertown, 501 Hercules Drive, P. O. Box 69, Stockertown, PA 18083 <a href="http://www.buzziunicemusa.com/">http://www.buzziunicemusa.com/</a></b>	
Type I	Terminal for BUZZ2 15, Ref. No. 2011-222QA <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	2012-023QA
Type II	Terminal for BUZZ2 15, Ref. No. 2011-222QB <i>Provisional Approval, AASHTO M 85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	2012-023QB
<b>CEMX1 15 Terminal</b>	<b>Cemex, 200-B Neville Island, Pittsburgh 15225 <a href="http://www.cemex.com/">http://www.cemex.com/</a></b>	
Type I	Terminal for CEMX4 15, Ref. No. 2001-056	----
Type II	Terminal for CEMX4 15, Ref. No. 2001-056	----
Type II MH	Terminal for CEMX4 15, Ref. No. 2001-056	----
Type III	Terminal for CEMX4 15, Ref. No. 2001-056	----
<b>CEMX2 15 Terminal</b>	<b>Cemex, Inc., Wampum Plant, 2001 Portland Park, Wampum, PA 16157 <a href="http://www.cemex.com/">http://www.cemex.com/</a></b>	
Type I	Terminal for CEMX4 15, Ref. No. 2001-056Q	2010-042Q
Type II	Terminal for CEMX4 15, Ref. No. 2001-056Q	2010-042Q
Type II MH	Terminal for CEMX4 15, Ref. No. 2001-056Q	2010-042Q
Type III	Terminal for CEMX4 15, Ref. No. 2001-056Q	2010-141QA
Type III	Terminal for CEMX6 15, Ref. No. 2010-043Q	2010-141QB



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	Product	Name	Ref. No.
ESS-4 15 Terminal	Essroc Materials, Inc., 8282 Middlebranch Road, Middlebranch, OH 44652 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	8282 Middlebranch Road Middlebranch, OH 44652		
	Type I	Terminal for ESS-3 15, Ref. No. 1995-072	2010-288QB
	Type I	Terminal for ESS-7 15, Ref. No. 1997-187	2015-041Q
	Type II	Terminal for ESS-3 15, Ref. No. 1995-072	2010-288QA
	Type II	Terminal for ESS11 15, Ref. No. 2005-087Q	2010-113QB
	Type III	Terminal for ESS13 15, Ref. No. 2009-162Q	2010-113QA
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
ESS-5 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Frederick, MD		
	Type I	Terminal for ESS-3 15, Ref. No. 1995-072	----
	Type I	Terminal for ESS13 15, Ref. No. 2009-024QA	2010-009QB
		<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	
	Type II	Terminal for ESS-3 15, Ref. No. 1995-072	2010-183QB
	Type II	Terminal for ESS13 15, Ref. No. 2009-024QB	2010-009QA
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
ESS-6 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Bessemer, PA		
	Type I	Terminal for ESS-3 15, Ref. No. 1995-072	2010-149QA
	Type I	Terminal for ESS13 15, Ref. No. 2009-024QA	2010-022QA
		<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	
	Type II	Terminal for ESS-3 15, Ref. No. 1995-072	2010-149QB
	Type II	Terminal for ESS13 15, Ref. No. 2009-024QB	2010-022QB
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		



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	Product	Name	Ref. No.
ESS-8 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Rochester, NY		
	Type I	Terminal for ESS11 15, Ref. No. 2005-087Q	2000-004Q
	Type II	Terminal for ESS11 15, Ref. No. 2005-087Q	2000-004Q
ESS10 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Leetsdale, PA		
	Type I	Terminal for ESS-3 15, Ref. No. 1995-072	2010-235QA
	Type I	Terminal for ESS-7 15, Ref. No. 1997-187	----
	Type I	Terminal for ESS13 15, Ref. No. 2009-024QA	2009-207QA
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Type II	Terminal for ESS-3 15, Ref. No. 1995-072	2010-235QB
Type II	Terminal for ESS13 15, Ref. No. 2009-024QB	2009-207QB	
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Type III	Terminal for ESS13 15, Ref. No. 2009-162Q	2009-207QC	
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
ESS12 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Oswego, NY		
	Type I	Terminal for ESS11 15, Ref. No. 2005-087Q	2005-088Q
	Type II	Terminal for ESS11 15, Ref. No. 2005-087Q	2005-088Q
ESS14 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Cleveland, OH		
	Type II	Terminal for ESS11 15, Ref. No. 2005087Q	2010-018Q
FEDW1 15 Terminal	Federal White Cement, Inc., P.O. Box 548, Woodstock, Ontario <a href="http://www.federalwhitecement.com/">http://www.federalwhitecement.com/</a>		
	Sinking Spring, PA		
	Type I	Terminal for FEDW0 15, Ref. No. 1997-082	1997-140



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	Product	Name	Ref. No.
HOL11 15 Terminal	Holcim (US) Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Tarentum, PA		
	Type I	Terminal for HOLC9 15, Ref. Ltr. 1/17/2008	----
	Type I	Terminal for HOLI4 15, Ref. Ltr. 8/14/2007	2008-118Q
	Type I	Terminal for HOLI5 15, Ref. No. 2011-224QA	2014-191QA
	Type II	Terminal for HOLI4 15, Ref. Ltr. 6/11/2010	2008-118Q
	Type II	Terminal for HOLI5 15, Ref. No. 2011-224QB	2014-191QB
	Type II MH	Terminal for HOLI5 15, Ref. No. 2011-224QB	2014-191QC
HOL17 15 Terminal	Holcim U.S. Inc, Bloomsdale, MO 63627 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Wierton, WV		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for HOLI6 15, Ref. No. 2012-090QA	2012-099Q
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for HOLI6 15, Ref. No. 2012-090QB	2012-099Q
	Type II MH <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for HOLI6 15, Ref. No. 2012-090QB	2012-099Q



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## Section 701: Cement

### 701 Cement Terminal

Last Revised: 5/15/2015

	Product	Name	Ref. No.
<b>HOLI9 15 Terminal</b>	<b>Holcim (US) Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534</b> <a href="http://www.holcim.us/">http://www.holcim.us/</a> <b>Baltimore, MD</b>		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for HOLI5 15, Ref. No. 2011-224QA	2014-093Q
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for HOLI5 15, Ref. No. 2011-224QB	2014-093Q
	Type II MH <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for HOLI5 15, Ref. No. 2011-224QB	2014-093Q
<b>LAFR1715 Terminal</b>	<b>Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052</b> <b>Pittsburgh, PA</b>		
	Type I	Terminal for LAFR3 15	2006-063Q
	Type II	Terminal for LAFR3 15	2006-063Q
<b>LEH-4 15 Terminal</b>	<b>Lehigh Portland Cement Company, 7660 Imperial Way, Allentown, PA 18195</b> <b>Aliquippa, PA</b>		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for LEH-1 15, Ref. Ltr. 03/11/2008	2003-110Q
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for LEH-1 15, Ref. Ltr. 03/11/2008	2003-110Q
<b>LEH-6 15 Terminal</b>	<b>Lehigh Portland Cement Company, 63 Flushing Avenue Unit 295, Brooklyn, NY 11205</b> <b>Brooklyn, NY</b>		
	Type I	Terminal for AALPO 15, Ref. No. 2010-084Q	2010-208Q



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## Section 701: Cement

### 701 Cement Terminal

Last Revised: 5/15/2015

	Product	Name	Ref. No.
LEH-7 15 Terminal	<b>Lehigh Cement Company LLC, 3100 Mertens Avenue, Baltimore, MD 21224 Baltimore, MD</b>		
	Type I <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for LEH-1 15, Ref. Ltr. 03/11/2008	2012-010QA
	Type II <i>Provisional Approval, AASHTO M85-07, Portland cement with up to 5% limestone addition. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Terminal for LEH-1 15, Ref. Ltr. 03/11/2008	2012-010QB
SCC-2 15 Terminal	<b>Ssangyong Cement Industrial Company, Ssangyong B/d, 24-2-ga., Jeo-dong, Jung-gu, Seoul 100-748 Bristol, PA</b>		
	Type I <i>Riverside Construction Materials, Bristol, PA</i>	Terminal for SCC-1 15, Ref. No. 1998-195	2008-176Q
STMC3 15 Terminal	<b>St. Marys Cement, 9333 Dearborn Street, Detroit, MI 48209 <a href="http://www.stmaryscement.com/saintmaryscementinc/">http://www.stmaryscement.com/saintmaryscementinc/</a> Buffalo, NY</b>		
	Type I	Terminal for STMC1 15, Ref. No. 1988-318	1999-1959Q
	Type I	Terminal for STMC2 15, Ref. No. 1997-097	1999-1959Q
	Type II	Terminal for STMC1 15, Ref. No. 1988-318	1999-1959Q
	Type III	Terminal for STMC1 15, Ref. No. 1988-318	1999-1959Q
	Type III	Terminal for STMC2 15, Ref. No. 1997-097	1999-1959Q
STMC5 15 Terminal	<b>St. Marys Cement, 2301 Front Street, Toledo, OH 43605 <a href="http://www.stmaryscement.com/saintmaryscementinc/">http://www.stmaryscement.com/saintmaryscementinc/</a> Toledo, OH</b>		
	Type I	Terminal for STMC2 15, Ref. No. 1997-097	2008-116Q
STMC6 15 Terminal	<b>St. Marys Cement, 250 Jefferson Street, Cleveland, OH 44113 <a href="http://www.stmaryscement.com/saintmaryscementinc/">http://www.stmaryscement.com/saintmaryscementinc/</a> Cleveland, OH</b>		
	Type I	Terminal for STMC2 15, Ref. No. 1997-097	2008-117QA



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 702: Bituminous Material

### 702 Asphalt Cement

Last Revised: 6/10/2015

Product	Name	Ref. No.
ATLMC 15	Atlas Minerals and Chemicals, Inc., 1227 Valley Road, P.O. Box 38, Mertztown, PA 19539-0038 <a href="http://www.atlasmin.com/">http://www.atlasmin.com/</a>	
	ASTM D 3141	----
	WA-1	----
	WM-1	----
PUREA 15	Pure Asphalt Company, 3300 West 31st Street, Chicago, IL 60623 <a href="http://www.pureasphalt.com/">http://www.pureasphalt.com/</a>	
	ASTM D 3141	----
SOLAR 15	Solar Compounds, 1201 West Blancke Street, Linden, NJ 07036 <a href="http://www.solarcompounds.com/">http://www.solarcompounds.com/</a>	
	J-1	----
TRUM1 15 Refinery	Trumbull Asphalt, Division of Owens Corning, 7800 West 59th Street, Summit, IL 60501 <a href="http://www.owenscorning.com/trumbull/">http://www.owenscorning.com/trumbull/</a> Kearny, NJ	
	ASTM D 3141	2005-001Q
TRUM2 15 Refinery	Trumbull Asphalt, Division of Owens Corning, 7800 West 59th Street, Summit, IL 60501 <a href="http://www.owenscorning.com/trumbull/">http://www.owenscorning.com/trumbull/</a> Jessup, MD	
	ASTM D 3141	----
TRUM3 15 Refinery	Trumbull Asphalt, Division of Owens Corning, 7800 West 59th Street, Summit, IL 60501 <a href="http://www.owenscorning.com/trumbull/">http://www.owenscorning.com/trumbull/</a> Medina, OH	
	ASTM D 3141	----
ZECH0 15	Zeigler Chemical Corporation, 600 Prospect Avenue, Piscataway, NJ 08854 <a href="http://zieglerchemical.com/">http://zieglerchemical.com/</a>	
	WA-1	----
	WM-1	----

### 702 Cut-Back Asphalt

Last Revised: 6/10/2015

Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

Product	Name	Ref. No.
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## Section 702: Bituminous Material

### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

Product	Name	Ref. No.
ASP-2 15	Asphalt Paving Systems, 500 North Egg Harbor Road, P.O. Box 500, Hammonton, NJ 08037-0500 <a href="http://www.asphaltpavingsystems.com/">http://www.asphaltpavingsystems.com/</a> <i>Formerly Shore Slurry Seal, Inc. (SHORE 15)</i>	
MC-30		----
MC-400		----
MC-70		----
MC-800		----
RC-250		----
RC-70		----
RC-800		----
WP-1		----
ATLMC 15	Atlas Minerals and Chemicals, Inc., 1227 Valley Road, P.O. Box 38, Mertztown, PA 19539-0038 <a href="http://www.atlasmin.com/">http://www.atlasmin.com/</a>	
MC-30		1999-116Q
MC-400		1999-116Q
MC-70		1999-116Q
MC-800		1999-116Q
RC-250		1999-116Q
RC-70		1999-116Q
RC-800		1999-116Q
WP-1		1999-116Q



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### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

Product	Name	Ref. No.
<b>COOPC 15</b>	<b>Coopers Creek Chemical Corporation, 884 River Road, West Conshohocken, PA 19428-2699 <a href="http://cooperscreekchemical.com/">http://cooperscreekchemical.com/</a></b>	
MC-30		2000-119Q
MC-400		2000-119Q
MC-70		2000-119Q
MC-800		2000-119Q
RC-250		2000-119Q
RC-70		2000-119Q
RC-800		2000-119Q
WP-1		2000-119Q
<b>HENCO 15</b>	<b>Henry Company, 336 Cold Stream Road, Kimberton, PA 19442 <a href="http://us.henry.com/">http://us.henry.com/</a></b>	
MC-30		----
MC-400		----
MC-70		----
MC-800		----
RC-250		----
RC-70		----
RC-800		----
WP-1		----



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## Section 702: Bituminous Material

### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
<b>MARA8 15</b>	<b>Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 <a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a></b>		
<b>Terminal</b>	<b>Florefe, PA</b>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----
<b>MARFR 15</b>	<b>Frank Martuccio Asphalt and Paving, Inc., 1059 Mercer Avenue, Hermitage, PA 16148</b>		
	MC-30		2006-067Q
	MC-400		2006-067Q
	MC-70		2006-067Q
	MC-800		2006-067Q
	RC-250		2006-067Q
	RC-70		2006-067Q
	RC-800		2006-067Q
	WP-1		2006-067Q



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### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
MDL-3 15 Terminal	Midland Asphalt Materials, Inc, 640 Young Street, Tonawanda, NY 14151-0388 <a href="http://www.midlandasphalt.com/">http://www.midlandasphalt.com/</a>		
	Clearfield, PA		
	<i>Formerly Whitaker Road (WHITR 15)</i>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
RC-800		----	
WP-1		----	
NEVLC 15	Neville Chemical Company, Neville Island, PA 15225 <a href="http://www.nevchem.com/">http://www.nevchem.com/</a>		
	Cut-Back Asphalt	SRTC	----
PECKH 15	Peckham Materials Corporation, 2 Union Street Extension, Athens, NY 12015		
	MC-30		1999-133Q
	MC-400		1999-133Q
	MC-70		1999-133Q
	MC-800		1999-133Q
	RC-250		1999-133Q
	RC-70		1999-133Q
	RC-800		1999-133Q
WP-1		1999-133Q	



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### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
RUSS0 15	Russell Standard Corporation, 1210 Perry Highway, P.O. Box 509, Mercer, PA 16137 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
WP-1		----	
RUSS3 15	Russell Standard Corporation, Hammaker East, LTD, 118 Siloam Road, Chambersburg, PA 17201 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
WP-1		----	
SEABD 15	Seaboard Asphalt Products Company, 3601 Fairfield Road, Baltimore, MD 21226 <a href="http://seboardasphalt.com/">http://seboardasphalt.com/</a>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
WP-1		----	



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## Section 702: Bituminous Material

### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
SUIT1 15 Facility	Suit-Kote, New York Emulsions, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Buffalo, NY		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----
SUIT3 15 Facility	Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Cortland, NY		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----



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## Section 702: Bituminous Material

### 702 Cut-Back Asphalt

Last Revised: 6/10/2015

Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
SUIT4 15 Facility	Suit-Kote, Central Asphalt, Inc., 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Watkins Glen, NY		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----
SUIT5 15 Facility	Suit-Kote, Central Asphalt, Inc., 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Jamestown, NY		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----



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## Section 702: Bituminous Material

### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
SUIT6 15 Facility	Suit-Kote, Central Asphalt, Inc., 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Belmont, NY		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----
SUIT8 15 Facility	Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Meadville, PA		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----





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## Section 702: Bituminous Material

### 702 Cut-Back Asphalt

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Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
UNRC0 15	United Refining Company, P.O. Box 780, Warren, PA 16365 <a href="http://www.urc.com/">http://www.urc.com/</a>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----
UNRC1 15	United Refining Company, 15 Bradley Street, P.O. Box 780, Warren, PA 16365-0780 <a href="http://www.urc.com/">http://www.urc.com/</a>		
Terminal	Springdale Terminal Springdale, PA		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----



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## Section 702: Bituminous Material

### 702 Cut-Back Asphalt

Last Revised: 6/10/2015

Cut-Back Asphalt includes: MC-30, MC-70, MC-400, MC-800, RC-70, RC-250, RC-800 and WP-1

	Product	Name	Ref. No.
VESTA 15	Vestal Asphalt, Inc., 209 Stage Road, Vestal, NY 13850 <a href="http://vestalaspalt.com/">http://vestalaspalt.com/</a>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----
ZECH0 15	Zeigler Chemical Corporation, 600 Prospect Avenue, Piscataway, NJ 08854 <a href="http://zieglerchemical.com/">http://zieglerchemical.com/</a>		
	MC-30		----
	MC-400		----
	MC-70		----
	MC-800		----
	RC-250		----
	RC-70		----
	RC-800		----
	WP-1		----

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

	Product	Name	Ref. No.
ASP-1 15	Asphalt Paving Systems, 8th St. & Reading Ave., P.O. Box 530, Hammonton, NJ 08037 <a href="http://www.asphaltpavingsystems.com/">http://www.asphaltpavingsystems.com/</a> Formerly ASPPS 15		



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## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

Product	Name	Ref. No.
ASP-1 15	Asphalt Paving Systems, 8th St. & Reading Ave., P.O. Box 530, Hammonton, NJ 08037 <a href="http://www.asphaltpavingsystems.com/">http://www.asphaltpavingsystems.com/</a> <i>Formerly ASPPS 15</i>	
	EM Type 1	----
	EM Type 2	----
	EM Type 3	----
	EM Type 7	----
DOSK0 15	Dosch-King Emulsions, Inc., 16 Troy Hills Road, Whippany, NJ 07981 <a href="http://dosckking.net/index.html">http://dosckking.net/index.html</a>	
	EM Type 1	----
	EM Type 2	----
	EM Type 3	----
	EM Type 7	----
ENVES 15	Environmental Energy Solutions, LLC, 10027 Route 403 Highway South, Seward, PA 15954 <a href="http://www.eesolutionsllc.com/">http://www.eesolutionsllc.com/</a>	
	EM Type 4	----
ERG01 15	Ergon Asphalt & Emulsions, Inc, 3847 Pottsville Pike, Reading, PA 19605 <a href="http://ergonasphalt.com/">http://ergonasphalt.com/</a>	
	EM Type 1	----
	EM Type 2	----
	EM Type 3	----
	EM Type 4	----
	EM Type 7	----
LINP0 15	Lindy Paving, Inc., P.O. Box 282, 4551 West State Street, Hillsville, PA 16132 <a href="http://www.pjdick.com/tpjwebsite.nsf/Lindy/Home">http://www.pjdick.com/tpjwebsite.nsf/Lindy/Home</a>	
	EM Type 1	----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	



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## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

	Product	Name	Ref. No.
MARA8 15 Terminal	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 <a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>		
	Florefe, PA		
	EM Type 1		----
	EM Type 2		----
MARFR 15	Frank Martuccio Asphalt and Paving, Inc., 1059 Mercer Avenue, Hermitage, PA 16148		
	EM Type 1		----
MDL-1 15	Midland Asphalt Materials, Inc, 640 Young Street, Tonawanda, NY 14151-0388 <a href="http://www.midlandasphalt.com/">http://www.midlandasphalt.com/</a>		
	<i>Formerly MDLAC 15</i>		
	EM Type 1		----
	EM Type 2		----
	EM Type 4		----
	EM Type 5		----
	EM Type 6		----
EM Type 7		----	
MDL-2 15 Terminal	Midland Asphalt Materials, Inc, 640 Young Street, Tonawanda, NY 14151-0388 <a href="http://www.midlandasphalt.com/">http://www.midlandasphalt.com/</a>		
	Lyons, NY		
	EM Type 1		----
	EM Type 2		----
	EM Type 4		----
	EM Type 5		----
	EM Type 6		----
EM Type 7		----	



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

Product	Name	Ref. No.
<b>MDL-3 15 Terminal</b>	<b>Midland Asphalt Materials, Inc, 640 Young Street, Tonawanda, NY 14151-0388 <a href="http://www.midlandasphalt.com/">http://www.midlandasphalt.com/</a> Clearfield, PA Formerly Whitaker Road (WHITR 15)</b>	
EM Non-Standard	FastTack	2010-128
<i>Conditionally Approved. FastTack system includes an adhesion agent (MC), an emulsified asphalt and a breaking agent (Rupteur XC). Manufacturer must contact NPI two (2) weeks before placement on a PennDOT Project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
EM Type 1		----
EM Type 2		----
EM Type 3		----
EM Type 4		----
EM Type 5		----
EM Type 6		----
EM Type 7		----
<b>MDL-4 15 Terminal</b>	<b>Midland Asphalt Materials, Inc, 640 Young Street, Tonawanda, NY 14151-0388 <a href="http://www.midlandasphalt.com/">http://www.midlandasphalt.com/</a> Bloomsburg, PA</b>	
EM Type 1		----
EM Type 2		----
EM Type 4		----
EM Type 5		----
EM Type 6		----
EM Type 7		----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

Product	Name	Ref. No.
<b>MOHWK 15</b>	<b>Mohawk Asphalt, 6 Freemans Bridge Road, Scotia, NY 12302</b>	
	EM Type 1	----
	EM Type 2	----
	EM Type 7	----
<b>NEWYO 15</b>	<b>New York Bituminous Products Corporation, 1297 Craigville Road, P.O. Box 577, Chester, NY 10918 <a href="http://www.nybit.com/">http://www.nybit.com/</a></b>	
	EM Type 1	----
	EM Type 3	----
<b>PECKH 15</b>	<b>Peckham Materials Corporation, 2 Union Street Extension, Athens, NY 12015</b>	
	EM Type 1	----
<b>RUSS0 15</b>	<b>Russell Standard Corporation, 1210 Perry Highway, P.O. Box 509, Mercer, PA 16137 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a></b>	
	EM Type 1	----
	EM Type 2	----
	EM Type 3	----
	EM Type 4	----
	EM Type 5	----
	EM Type 7	----
<b>RUSS1 15</b>	<b>Russell Standard Corporation, 990 Hazel Street, Akron, OH 44305 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a></b>	
	EM Type 1	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

Product	Name	Ref. No.
<b>RUSS3 15</b>	<b>Russell Standard Corporation, Hammaker East, LTD, 118 Siloam Road, Chambersburg, PA 17201 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a></b>	
EM Non-Standard	CNTT	2008-172
	<i>Conditionally Approved non-tracking tack coat (CNTT/NTT) as an alternate to AE-T: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	
EM Type 1		----
EM Type 2		----
EM Type 4		----
EM Type 5		----
EM Type 7		----
<b>RUSS4 15</b>	<b>Russell Standard Corporation, 3580 Wheelertown Road, Waterford, PA 16441 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a></b>	
<b>Terminal</b>	<b>Wheelertown Terminal Waterford, PA</b>	
EM Type 1		----
<b>RUSS6 15</b>	<b>Russell Standard Corporation, P.O. Box 802, Mars, PA 16046 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a></b>	
<b>Terminal</b>	<b>Mars, PA</b>	
EM Type 1		----
EM Type 2		----
EM Type 5		----
<b>RUSS7 15</b>	<b>Russell Standard Corporation, 3450 Asiatic Avenue, Baltimore, MD 21226 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a></b>	
EM Type 1		----
EM Type 2		----
EM Type 3		----
EM Type 4		----
EM Type 5		----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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8/30/2015 10:00:45PM

## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

Product	Name	Ref. No.
<b>RUSS8 15</b>	<b>Russell Standard Corporation, 3847 Pottsville Pike, Reading, PA 19605 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a> Formerly Ergon Asphalt &amp; Emulsions, Inc. (ERG01 15)</b>	
EM Type 1		----
EM Type 2		-
EM Type 3		-
EM Type 4		-
EM Type 7		----
<b>SHSA2 15</b>	<b>Shelly &amp; Sands Inc., S &amp; S Emulsions, P. O. Box 66, Rayland, OH 49343 <a href="http://shellyandsands.com/">http://shellyandsands.com/</a></b>	
EM Type 1		----
EM Type 2		----
<b>SPEEM 15</b>	<b>Specialty Emulsions, Inc., 1194 Zinns Quarry Road, York, PA 17404 <a href="http://specialtyemulsionsinc.com/">http://specialtyemulsionsinc.com/</a></b>	
EM Non-Standard	NTT	2011-084
<i>Conditionally Approved non-tracking tack coat (CNTT/NTT) as an alternate to AE-T: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT Project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
EM Type 1		----
EM Type 2		----
<b>SUIT1 15</b>	<b>Suit-Kote, New York Emulsions, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a></b>	
<b>Facility</b>	<b>Buffalo, NY</b>	
EM Type 1		----
EM Type 2		----
EM Type 3		----
EM Type 4		----





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## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

Product	Name	Ref. No.
<b>SUIT3 15 Facility</b> Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a> Cortland, NY	EM Type 1	----
	EM Type 2	----
	EM Type 3	----
	EM Type 4	----
	EM Type 5	----
	EM Type 6	----
	EM Type 7	----
<b>SUIT4 15 Facility</b> Suit-Kote, Central Asphalt, Inc., 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a> Watkins Glen, NY	EM Type 1	----
	EM Type 2	----
	EM Type 3	----
	EM Type 4	----
	EM Type 5	----
	EM Type 6	----
	EM Type 7	----
<b>SUIT5 15 Facility</b> Suit-Kote, Central Asphalt, Inc., 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a> Jamestown, NY	EM Type 1	----
	EM Type 2	----
	EM Type 3	----
	EM Type 4	----
	EM Type 5	----
	EM Type 6	----
	EM Type 7	----



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## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

	Product	Name	Ref. No.
SUIT6 15 Facility	Suit-Kote, Central Asphalt, Inc., 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Belmont, NY		
	EM Type 1		----
	EM Type 2		----
	EM Type 4		----
	EM Type 5		----
	EM Type 6		----
SUIT8 15 Facility	Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Meadville, PA		
	EM Type 1		----
	EM Type 2		----
	EM Type 3		----
	EM Type 4		----
	EM Type 5		----
	EM Type 6		----
EM Type 7		----	
TERAS 15	Terry Asphalt Materials, Inc., 8 Standen Dr., Hamilton, OH 45015 <a href="http://terryasphalt.com/index.html">http://terryasphalt.com/index.html</a>		
	EM Type 3		----



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## Section 702: Bituminous Material

### 702 Emulsified Asphalt

Last Revised: 6/10/2015

EM TYPE 1 = RS-1 (E-1A), CRS-1 (E-1C), RS-2 (E-2), CRS-2 (E-3), MS-2 (E-4), CMS-2 (E-5), SS-1 (E-6A), CSS-1 (E-6C), SS-1h (E-8A), CSS-1h (E-8C), HFMS-2h (E-11-60), HFMS-2 (E-11-90), HFMS-2s (E-11-150), E-10, CMS-2s (E-12), and AE-T.

EM TYPE 2 = RS-2PM (E-2M) and CRS-2PM (E-3M) \*\* EM TYPE 3 = CSS-1hPM (E-8CPM) \*\* EM TYPE 4 = AE-P \*\* EM TYPE 5 = E-1 Prime \*\* EM TYPE 6 = EDP \*\* EM TYPE 7 = UTFCEM.

Product	Name	Ref. No.
<b>VESTA 15</b>	<b>Vestal Asphalt, Inc., 209 Stage Road, Vestal, NY 13850 <a href="http://vestalasphalt.com/">http://vestalasphalt.com/</a></b>	
EM Type 1		----
EM Type 2		----
EM Type 3		----
EM Type 4		----
EM Type 5		----

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

Product	Name	Ref. No.
<b>APEX1 15</b>	<b>Apex Oil Company, Inc., 8235 Forsyth Boulevard, Suite 400, St. Louis, MO 63105 <a href="http://www.apexoil.com/">http://www.apexoil.com/</a></b>	
<b>Terminal</b>	<b>1622 South Clinton Street Baltimore, MD 21224</b>	
PG 58-28		----
PG 64-22		----
<b>ASSAS 15</b>	<b>Associated Asphalt Martinsburg, LLC, 855 Corning Way, Martinsburg, WV 25405 <a href="http://associatedasphalt.com/">http://associatedasphalt.com/</a></b>	
PG 64-22		----
PG 76-22		----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 702: Bituminous Material

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

	Product	Name	Ref. No.
AXON1 15 Refinery	Axeon Specialty Products, LLC, 4 Paradise Road, Paulsboro, NJ 08066-1740 <a href="http://axeonsp.com/">http://axeonsp.com/</a> Paulsboro, NJ		
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----
AXON3 15 Terminal	Axeon Specialty Products, LLC, 4 Paradise Road, Paulsboro, NJ 08066-1740 <a href="http://axeonsp.com/">http://axeonsp.com/</a> Nustar Energy LP Terminal Baltimore, MD		
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----
AXON4 15 Terminal	Axeon Specialty Products, LLC, 4 Paradise Road, Paulsboro, NJ 08066-1740 <a href="http://axeonsp.com/">http://axeonsp.com/</a> Kinder Morgan Terminal Perth Amboy, NJ		
	PG 64-22		----
AXON7 15 Terminal	Axeon Specialty Products, LLC, 4 Paradise Road, Paulsboro, NJ 08066-1740 <a href="http://axeonsp.com/">http://axeonsp.com/</a> Gloucester City Terminal Gloucester City, NJ		
	PG 64-22		----
	PG 76-22		----
BIT-0 15	Bitumar USA, 6000 Pennington Avenue, Baltimore, MD 21226 <a href="http://www.bitumar.com/home.html">http://www.bitumar.com/home.html</a>		
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----



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## Section 702: Bituminous Material

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

	Product	Name	Ref. No.
CHEV1 15 Refinery	Chevron USA, Inc., 1200 State Street, Perth Amboy, NJ 08861 Perth Amboy, NJ PG 58-28 PG 64-22	<a href="http://www.chevron.com/">http://www.chevron.com/</a>	-----
CHEV2 15 Terminal	Chevron USA, Inc., 1200 State Street, Perth Amboy, NJ 08861 Baltimore, MD PG 64-22	<a href="http://www.chevron.com/">http://www.chevron.com/</a>	-----
CHEV3 15 Terminal	Chevron USA, Inc., 1200 State Street, Perth Amboy, NJ 08861 ST Services Philadelphia, PA PG 64-22	<a href="http://www.chevron.com/">http://www.chevron.com/</a>	-----
ESM-1 15 Terminal	ESM Asphalt, LLC, 1250 Benhill Avenue, Baltimore, MD 21226 Baltimore, MD PG 64-22 <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		-
HAWG1 15 Terminal	Glenn O. Hawbaker, Inc., 1952 Waddle Road, State College, PA 16803 Pleasant Gap, PA PG 58-28 PG 64-22	<a href="http://www.goh-inc.com/">http://www.goh-inc.com/</a>	2015-048Q -----



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## Section 702: Bituminous Material

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

	Product	Name	Ref. No.
MARA1 15 Refinery	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 Highway 23 South Catlettsburg, KY	<a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>	
	PG 52-28		----
	PG 58-28		----
	PG 64-22		----
MARA1015 Terminal	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 21st Street at Nevada St Wellsville, OH 43968	<a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>	
	PG 58-28		----
	PG 64-22		----
MARA2 15 Refinery	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 301 S. Fort St Detroit, MI 48217	<a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>	
	PG 52-28		----
MARA3 15 Refinery	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 2408 Gambrinus Ave Canton, OH 44706	<a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>	
	PG 52-28		----
	PG 58-28		----
	PG 64-22		----
MARA6 15 Terminal	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 Cincinnati, OH	<a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>	
	PG 76-22		----



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## Section 702: Bituminous Material

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

	Product	Name	Ref. No.
MARA7 15 Terminal	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 2000 Central Furnace Court Cleveland, OH 44115	<a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>	
	PG 52-28		----
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----
MARA8 15 Terminal	Marathon Petroleum LLC, 28001 Citrin Drive, Romulus, MI 48174 Floreffe, PA	<a href="http://www.marathonpetroleum.com/">http://www.marathonpetroleum.com/</a>	
	PG 52-28		----
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----
MDL-2 15 Terminal	Midland Asphalt Materials, Inc, 640 Young Street, Tonawanda, NY 14151-0388 Lyons, NY	<a href="http://www.midlandasphalt.com/">http://www.midlandasphalt.com/</a>	
	PG 58-28		----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
	PG 64-22		----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
	PG 76-22		----
PARCO 15	Parco Athens, Union Street, Athens, NY 12015		
	PG 76-22		----



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8/30/2015 10:00:45PM

## Section 702: Bituminous Material

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

	Product	Name	Ref. No.
PAUR- 15	Paulsboro Refining Company, LLC, 800 Billingsport Road, Paulsboro, NJ 08066 <i>Formerly Valero</i> PG 64-22		----
PBFH0 15 Terminal	PBF Holding, LLC, 1 Sylvan Way, Second Floor, Parsippany, NJ 07054 Philadelphia, PA <i>Plains Products LLC</i> PG 58-28 PG 64-22		---- ----
PETRC 15	Petro Canada, 11675 Sherbrooke Street East, Montreal, Quebec, Canada H1B 1C3 <a href="http://www.petro-canada.ca/default.aspx">http://www.petro-canada.ca/default.aspx</a> PG 58-28 PG 64-22		---- ----
RUSS0 15	Russell Standard Corporation, 1210 Perry Highway, P.O. Box 509, Mercer, PA 16137 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a> PG 64-22		----
SHSA1 15 Terminal	Shelly & Sands, Inc., S & S Terminal, P.O. Box 66, Rayland, OH 49343 <a href="http://shellyandsands.com/">http://shellyandsands.com/</a> S & S Terminal Rayland, OH PG 64-22		----
SUIT3 15 Facility	Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a> Cortland, NY PG 52-28 PG 58-28 PG 64-22 PG 76-22		---- ---- ---- ----





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 702: Bituminous Material

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

	Product	Name	Ref. No.
SUIT5 15 Facility	Suit-Kote, Central Asphalt, Inc., 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Jamestown, NY		
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----
SUIT7 15 Facility	Suit-Kote Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Cortland, NY		
	PG 52-28		----
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----
SUIT8 15 Facility	Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Meadville, PA		
	PG 58-28		----
	PG 64-22		----
	PG 76-22		----
TRI-1 15 Terminal	Tri State Materials, 1 West Van Buren St., Oswego, NY 13126 <a href="http://www.tristatematerials.com/">http://www.tristatematerials.com/</a>		
	1 West Van Buren St. Oswego, NY 13126		
	PG 64-22		----
	Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a>		



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## Section 702: Bituminous Material

### 702 PG Asphalt Cement

Last Revised: 6/10/2015

PG-Binder Grades not listed in Bulletin# 25 (Specifications for Bituminous Materials) are Restricted Use Non-Standard Grades. Materials Testing Laboratory must be contacted prior to use. (717) 787-2707

Warm Mix Modified PG-Binders are listed in the Miscellaneous Section.

	Product	Name	Ref. No.
TRI-2 15 Terminal	Tri State Materials, 325 Amherst Road, P.O. Box 91, Sunderland, MA 01375 <a href="http://www.tristatematerials.com/">http://www.tristatematerials.com/</a>		
	Albany, NY		
	PG 58-28		----
	PG 64-22		----
TRUM1 15 Refinery	Trumbull Asphalt, Division of Owens Corning, 7800 West 59th Street, Summit, IL 60501 <a href="http://www.owenscorning.com/trumbull/">http://www.owenscorning.com/trumbull/</a>		
	Kearny, NJ		
	PG 64-22		----
UNRC0 15	United Refining Company, P.O. Box 780, Warren, PA 16365 <a href="http://www.urc.com/">http://www.urc.com/</a>		
	PG 52-28		----
	PG 58-28		----
	PG 64-22		----
UNRC1 15 Terminal	United Refining Company, 15 Bradley Street, P.O. Box 780, Warren, PA 16365-0780 <a href="http://www.urc.com/">http://www.urc.com/</a>		
	Springdale Terminal Springdale, PA		
	PG 64-22		----
UNRC2 15 Terminal	United Refining Company, 15 Bradley Street, P.O. Box 780, Warren, PA 16365-0780 <a href="http://www.urc.com/">http://www.urc.com/</a>		
	Kinder Morgan Terminal Dravosburg, PA		
	PG 58-28		----
	PG 64-22		----
WARMA 15	Warden Modified Asphalt L.P., 1210 Perry Highway, P.O. Box 509, Mercer, PA 16137 <a href="http://wardenasphalt.com/">http://wardenasphalt.com/</a>		
	PG 64-22		----
	PG 76-22		----



## **BULLETIN 15 (Publication 35) Qualified Products List for Construction**

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**Posted:  
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### **Section 704: Cement Concrete**

#### **704 Producers of Ready Mix Concrete**

See Bulletin 42, [Publication 42](#)



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 705: Joint Material

### 705.1 Premolded Expansion Joint Filler

Last Revised: 7/7/2015

	Product	Name	Ref. No.
DODGE 15	Dodge-Regupol, Inc., 715 Fountain Ave., Lancaster, PA 17601 <a href="http://regupol.com/">http://regupol.com/</a>		
	Cork	CEJ 6510	1993-019
HUNTN 15	Hunton Fiber, P.O. Box 578, Grasonville, MD 21638 <a href="http://english.hunton.no/index.php">http://english.hunton.no/index.php</a>		
	Fiber	Nor-Board	2000-047Q
JDRSC 15	J.D. Russell Company, P.O. Box 36795, 4075 N. Hwy Dr., Tucson, AZ 85740 <a href="http://jdrussellco.com/#/">http://jdrussellco.com/#/</a>		
	Preformed Rubber	Reflex	2000-243Q
KNICE 15	Knight - Celotex, One Northfield Plaza, Suite 400, Northfield, AZ 60093 <a href="https://knightcelotexfiberboard.wordpress.com/">https://knightcelotexfiberboard.wordpress.com/</a>		
	Fiber	Conflex Bituminous	1994-217
MEDW0 15	W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Cork	Sealtight Cork	----
	Fiber	Sealtight Fibre	----
	Preformed Rubber	Sealtight Sponge	----
MEDW1 15	W. R. Meadows, Inc., 2100 Monroe Street, P. O. Box 7550, York, PA 17404-0550 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Cork	Sealtight Cork	----
	Fiber	Sealtight Fibre	----
	Preformed Rubber	Sealtight Sponge	----
MONAR 15	Monarch Rubber Company, 3500 Pulaski Highway, Baltimore, MD 21224 <a href="http://rubbermasters.in/">http://rubbermasters.in/</a>		
	Preformed Rubber	Geno 40 #1624	1988-026
RTPTC 15	Right Pointe Company, 234 Harvestore Drive, Dekalb, IL 60115 <a href="http://www.rightpointe.com/">http://www.rightpointe.com/</a>		
	Fiber	Right-Joint	1997-047
TEMIN 15	Temple - Inland, 303 S. Temple Drive, Diboll, TX 75941		
	Fiber	Fiberflex	----



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## Section 705: Joint Material

### 705.2(b) Longitudinal Joint Material

Last Revised: 7/7/2015

	Product	Name	Ref. No.
BETH0 15	Bethlehem Steel Corporation, 701 E. 3rd St., Bethlehem, PA 18016 <a href="http://www.bethlehempaonline.com/steel.html">http://www.bethlehempaonline.com/steel.html</a>		
	Tie Bolt		----
DAYT5 15	Dayton Superior Corporation, 2150B South Route 45-52, Kankakee, IL 60901 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
	Tie Bolt	Hook Bolt and Coupler	1994-066A
	Tie Bolt	Wiggle Bolt and Coupler	1994-066B
MIDPA 15	Mid-Park, Inc., 1021 Salt River Rd., Leitchfield, KY 42754 <a href="http://mid-park.com/">http://mid-park.com/</a>		
	Tie Bolt	Standard Hook	1986-309
	Tie Bolt	Wiggle Bolt	1986-308
SOEBS 15	Southeastern Bolt and Screw, Inc., 1037 16th Avenue West, Birmingham, AL 35204 <a href="http://www.sebolt.com/index.html">http://www.sebolt.com/index.html</a>		
	Tie Bolt	Standard Hook	1991-118
UNIQU 15	Unique Industries, P.O. Box 683, 13488 Highway 25 North, Calera, AL 35040 <a href="http://www.uiind.com/">http://www.uiind.com/</a>		
	Tie Bolt		1999-002Q
WADY- 15	Wady Industries, Inc., 510 E. Grove St., Maquoketa, IA 52060 <a href="http://www.wadyindustriesinc.net/#/">http://www.wadyindustriesinc.net/#/</a>		
	Tie Bolt	Wiggle Bolt (Slip Form)	1990-333B

### 705.3 Force-Transfer Units for Reinforced and Plain Cement Concrete Pavements

Last Revised: 7/7/2015

Steel Products Procurement Act applies.

Manufacturers approved for 6:1 skewed and non-skewed joints with Type B coating, unless otherwise noted.

	Product	Name	Ref. No.
DAYT4 15	Dayton Superior Corporation, 4201 Montdale Drive, Valparaiso, IN 46383 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> <i>Formerly Block Heavy &amp; Highway Products Company (BH&amp;HP 15)</i>		
	Dowel Bars, Epoxy Coater		2000-343Q
	Dowel Bars, Fabricator		2000-344Q



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## Section 705: Joint Material

### 705.3 Force-Transfer Units for Reinforced and Plain Cement Concrete Pavements

Last Revised: 7/7/2015

Steel Products Procurement Act applies.

Manufacturers approved for 6:1 skewed and non-skewed joints with Type B coating, unless otherwise noted.

	Product	Name	Ref. No.
DAYT5 15	Dayton Superior Corporation, 2150B South Route 45-52, Kankakee, IL 60901 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
	Dowel Bars, Epoxy Coater		1996-160
	Dowel Bars, Fabricator		----
MDSP2 15	Meadow Burke Products, 565 Oak Ridge Road, Humboldt Industrial Park, Hazleton, PA 18202 <a href="http://meadowburke.com/">http://meadowburke.com/</a>		
	Dowel Bars, Epoxy Coater		----
	Dowel Bars, Fabricator		----
VIMC- 15	Vimco, Inc., 300 Hansen Access Road, King of Prussia, PA 19406 <a href="http://vimcoinc.com/">http://vimcoinc.com/</a>		
	Dowel Bars, Fabricator		2012-242Q
WADY- 15	Wady Industries, Inc., 510 E. Grove St., Maquoketa, IA 52060 <a href="http://www.wadyindustriesinc.net/#/">http://www.wadyindustriesinc.net/#/</a>		
	Dowel Bars, Epoxy Coater		1996-110
	Dowel Bars, Fabricator		1982-059

### 705.4(a) Joint Sealing Material (Silicone)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
CRAF0 15 Plant	Crafco, Inc., 420 North Roosevelt Avenue, Chandler, AZ 85226 <a href="http://www.crafco.com/">http://www.crafco.com/</a> 121 Industrial Park Road Halls, TN 38040		
	Silicone	Roadsaver Non-Sag Silicone (34902)	2000-110Q
DOW-4 15	Dow Corning Corporation, 2200 W. Salzburg Road, P. O. Box 994, Midland, MI 48686 <a href="http://www.dow.com/">http://www.dow.com/</a>		
	Silicone	888 Silicone Joint Sealant	1996-002



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## Section 705: Joint Material

### 705.4(a) Joint Sealing Material (Silicone)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
SIKA4 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Lakewood, NJ Silicone	Sikasil 728 NS	2012-210Q
TREM2 15	Tremco, Inc., 3755 Green Road, Beachwood, OH 44122 <a href="http://tremcoinc.com/">http://tremcoinc.com/</a> Silicone	Spectrem 800 Low Modulus Silicone	2001-123Q

### 705.4(b) and 705.4(c) Joint Sealing Material (Rubberized)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
CRAF2 15	Crafco, Inc., 1680 East Race Street, Allentown, PA 18103 <a href="http://www.crafco.com/">http://www.crafco.com/</a> Type I, ASTM D6690 Type II, ASTM D6690		2008-128QA 2008-128QB
CRAF4 15	Crafco, Inc., 912 Salt Springs Road, Youngstown, OH 44509 <a href="http://www.crafco.com/">http://www.crafco.com/</a> <i>Formerly Deery American Corporation (DEERY 15)</i> Type I, ASTM D6690 Type I, ASTM D6690 <i>Conditionally Approved as an alternate. Contact NPI at two (2) weeks before placement on a PennDOT Project each time the product is used.</i> <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a> Type II, ASTM D6690	Level and Go Repair Mastic	2008-129B 2002-129 2008-129A
MCASP 15	McAsphalt Industries Limited, 8800 Sheppard Avenue, East, Scarborough, Ontario Canada <a href="http://www.mcasphalt.com/">http://www.mcasphalt.com/</a> Type I, ASTM D6690 Type II, ASTM D6690		2008-130QB 2008-130QA
MEDW0 15	W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a> Type II, ASTM D6690		2008-131Q



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## Section 705: Joint Material

### 705.4(b) and 705.4(c) Joint Sealing Material (Rubberized)

Last Revised: 7/7/2015

Product	Name	Ref. No.
P&TPR 15	P & T Products, Inc., 472 Industrial Parkway, Sandusky, OH 44870 <a href="http://www.p-tproductsinc.com/">http://www.p-tproductsinc.com/</a>	
	Type I, ASTM D6690	2008-124QB
	Type II, ASTM D6690	2008-124QA
RTPTC 15	Right Pointe Company, 234 Harvestore Drive, Dekalb, IL 60115 <a href="http://www.rightpointe.com/">http://www.rightpointe.com/</a>	
	Type I, ASTM D6690	2010-209Q
	Type II, ASTM D6690	2008-161QB
UPMCP 15	Unique Paving Materials Corporation, 3993 East 93rd Street, Cleveland, OH 44105-4096 <a href="http://www.uniquepavingmaterials.com/">http://www.uniquepavingmaterials.com/</a>	
	Type I, ASTM D6690 Kold-Flo Joint Sealant <i>Conditionally Approved as an alternate. Contact NPI at two (2) weeks before placement on a PennDOT Project each time the product is used.</i> <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a>	2006-074

### 705.4(d)1.a Preformed Neoprene Compression Seals and Strip Seals

Last Revised: 7/7/2015

Product	Name	Movement Class	Ref. No.
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>		
	Bridge Seal	CA-5001	2.5 in. 1993-271
	Bridge Seal	CA-6000 (6")	3.0 in. 1994-300
	Bridge Seal	CV-1625	0.5 in. 1989-233
	Bridge Seal	CV-1752	0.5 in. 2013-107Q
	Bridge Seal	CV-2000	0.5 in. 1989-161
	Bridge Seal	CV-2250	0.5 in. 2013-108Q
	Bridge Seal	CV-2502	1.0 in. 1989-071
	Bridge Seal	CV-3000	1.0 in. 1989-162
	Bridge Seal	CV-3500	1.5 in. 1989-054
	Bridge Seal	CV-4000	1.5 in. 1989-168
	Bridge Seal	CV-5000	2.0 in. 1991-130
	Bridge Seal	CV-6000	2.5 in. 1989-035
	Bridge Seal	CV-6000-A	2.5 in. 1992-002





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## Section 705: Joint Material

### 705.4(d)1.a Preformed Neoprene Compression Seals and Strip Seals

Last Revised: 7/7/2015

Product	Name	Movement Class	Ref. No.
<b>BROWD 15</b>	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>		
	Bridge Seal	K-4000	2.0 in. 1993-273
	Bridge Seal	V-1625	0.5 in. 1993-030
	Strip Seal Gland	A2R-400	4.0 in. 2004-162Q
	Strip Seal Gland	A2R-EXTRA	7.0 in. 2004-165Q
	Strip Seal Gland	L2-400	4.0 in. 2004-166Q
	Strip Seal Gland	L2-500	5.0 in. 2004-164Q
	Strip Seal Gland	SE-300	3.0 in. 2009-195Q
	Strip Seal Gland	SE-400	4.0 in. 2009-196Q
	Strip Seal Gland	SE-500	5.0 in. 2009-197Q
	Strip Seal Gland	WB-400	4.0 in. 2004-163Q
<b>TRE-1 15 Plant</b>	Trelleborg Sealing Profiles US Inc., 500 Lena Drive, Aurora, OH 44202 <a href="http://www.trelleborg.com/en/streetsboro,oh">http://www.trelleborg.com/en/streetsboro,oh</a>		
	Bridge Seal	WA-175	0.5 in. 2010-222QA
	Bridge Seal	WA-200	1.0 in. 2010-222QB
	Bridge Seal	WA-250	1.0 in. 2010-222QC
	Bridge Seal	WA-300	1.5 in. 2010-222QD
	Bridge Seal	WA-350	1.5 in. 2010-222QE
	Bridge Seal	WA-400	2.0 in. 2010-222QF
	Strip Seal Gland	SE-300	3.0 in. 2009-087Q
	Strip Seal Gland	SE-400	4.0 in. 2009-152Q
	Strip Seal Gland	SE-500	5.0 in. 2009-153Q
	Strip Seal Gland	SE-800	8.0 in. 2013-169Q

### 705.4(d)1.b Lubricant Adhesive

Last Revised: 7/7/2015

Product	Name	Ref. No.
<b>BROWD 15</b>	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>	
	Lubricant Adhesive	Delastibond 1520 1992-101



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## Section 705: Joint Material

### 705.4(d)1.b Lubricant Adhesive

Last Revised: 7/7/2015

Product	Name	Ref. No.
BROWD 15 D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>		
Lubricant Adhesive	Delastiseal 1516	----
CHEMM 15 Chem Masters, 300 Edward Street, Madison, OH 44057 <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a>		
Lubricant Adhesive	105	1991-128
Lubricant Adhesive	Lube Plus 4070	1995-100

### 705.4(e) Preformed Closed Cell Polyethylene Joint Filler

Last Revised: 7/7/2015

Product	Name	Ref. No.
MEDW0 15 W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
Preformed Closed Cell Polyethylene Joint Filler	Ceramar 1"	1986-123B
Preformed Closed Cell Polyethylene Joint Filler	Ceramar 1/2"	1986-261ABC
Preformed Closed Cell Polyethylene Joint Filler	Ceramar 2"	1986-261ABC
Preformed Closed Cell Polyethylene Joint Filler	Ceramar 3/4"	1986-261ABC

### 705.4(f) Preformed Polyurethane Foam Joint Filler

Last Revised: 7/7/2015

Product	Name	Ref. No.
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### 705.4(g) Asphalt Rubber Sealing Compound

Last Revised: 7/7/2015

Product	Name	Ref. No.
CRAF2 15 Crafcoc, Inc., 1680 East Race Street, Allentown, PA 18103 <a href="http://www.crafco.com/">http://www.crafco.com/</a>		
Asphalt Rubber Sealing Compound		1999-074Q



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## Section 705: Joint Material

### 705.4(g) Asphalt Rubber Sealing Compound

Last Revised: 7/7/2015

	Product	Name	Ref. No.
CRAF4 15	Crafco, Inc., 912 Salt Springs Road, Youngstown, OH 44509 <a href="http://www.crafco.com/">http://www.crafco.com/</a> <i>Formerly Deery American Corporation (DEERY 15)</i> Asphalt Rubber Sealing Compound		1999-060Q
MCASP 15	McAsphalt Industries Limited, 8800 Sheppard Avenue, East, Scarborough, Ontario Canada <a href="http://www.mcasphalt.com/">http://www.mcasphalt.com/</a> Asphalt Rubber Sealing Compound		2000-048Q
P&TPR 15	P & T Products, Inc., 472 Industrial Parkway, Sandusky, OH 44870 <a href="http://www.p-tproductsinc.com/">http://www.p-tproductsinc.com/</a> Asphalt Rubber Sealing Compound		2003-044Q
RTPTC 15	Right Pointe Company, 234 Harvestore Drive, Dekalb, IL 60115 <a href="http://www.rightpointe.com/">http://www.rightpointe.com/</a> Asphalt Rubber Sealing Compound		2010-112Q
ULSCP 15	Ultra Seal Construction Products, 5309 Maingate Drive, Mississauga, Ontario, Canada L4W 1G6 Asphalt Rubber Sealing Compound		1998-200

### 705.5(b) Gaskets for Circular Pipe Joints

Last Revised: 7/7/2015

	Product	Name	Ref. No.
BIDC- 15	Bidco Sealents, P.O. Box M, Park Hills, MO 63601 Flexible Plastic Gasket (Hydrocarbon Blend)	C-56 Preformed Joint Sealant	1990-206
CONSE 15 Plant	Concrete Sealants, Inc., P.O. Box 176, New Carlisle, OH 45344 <a href="http://conseal.com/">http://conseal.com/</a> Tipp City, OH Flexible Plastic Gasket (Hydrocarbon Blend) Flexible Plastic Gasket (Hydrocarbon Blend)	Conseal CS-102 Conseal CS-202	1984-140 1984-140A
CUSTM 15	Custom Rubber Extrusions, 100 Romito Street, P.O. Box 1079, Ravenna, OH 44266 Elastomeric Gasket	Neoprene and Isoprene Gaskets	1996-019



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## Section 705: Joint Material

### 705.5(b) Gaskets for Circular Pipe Joints

Last Revised: 7/7/2015

	Product	Name	Ref. No.
FORSH 15	Forsheda Pipe Seal Corporation, 2200 South McDuffie St., Anderson, SC 29624		
	Elastomeric Gasket <i>Prelubricated Manhole Joint Seal</i>	Forsheda F-114	1990-238A
	Elastomeric Gasket <i>Prelubricated Manhole Joint Seal</i>	Forsheda F-138	1990-237
HAML 15	Hamilton Kent, 77 Carlingview Drive, Etobicoke, Ontario M9W 5E6 Canada		
	Elastomeric Gasket	Tylox (O-Rings)	----
	Elastomeric Gasket	Tylox Superseal Gasket	1997-192
RINMA 15	Rinker Materials, 1627 Oakbrook Parkway, Gainesville, GA 30507 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a>		
	Elastomeric Gasket	Delta Seal Rubber Profile Gasket	2009-100QA
RU-VA 15	Ru Van, Inc., 1175 Diamond Ave., Evansville, IN 47711		
	Flexible Plastic Gasket (Hydrocarbon Blend)	RU-30 Butyl Sealant	1990-042
VERTI 15	Vertex, Inc., 3956 Industrial Parkway, Mogadore, OH 44260-1201 <a href="http://www.vertexinc.com/">http://www.vertexinc.com/</a>		
	Elastomeric Gasket	Ecoproof Bell Gasket	2007-008Q
	Elastomeric Gasket	Rubberman O-Ring Gasket	1997-072
	Elastomeric Gasket	Star Seal	1997-056

### 705.5(c)2 Waterstops (Polyvinyl Chloride)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
DURAJ 15	Durajoint Concrete Accessories, 10426 Industrial Drive, Garrettsville, OH 44231 <a href="http://www.durajoint.com/">http://www.durajoint.com/</a>		
	Polyvinyl Chloride Waterstop	Durajoint Type 4	1999-219Q
	Polyvinyl Chloride Waterstop	Durajoint Type 4B	1999-219Q



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## Section 705: Joint Material

### 705.5(c)2 Waterstops (Polyvinyl Chloride)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
GREES 15	Sika Greenstreak, 3400 Tree Court, Industrial Boulevard, Box 7139, St. Louis, MO 63177 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Polyvinyl Chloride Waterstop	Model 698	----
	Polyvinyl Chloride Waterstop	Model 701	----
	Polyvinyl Chloride Waterstop	Model 703	----
	Polyvinyl Chloride Waterstop	Model 705	----
	Polyvinyl Chloride Waterstop	Model 709	----
	Polyvinyl Chloride Waterstop	Model 748	----
SOUMP 15	Southern Metal & Plastic Products, 3400 Tree Court Ind. Blvd., St. Louis, MO 63122 <a href="http://sometals.com/">http://sometals.com/</a>		
	Polyvinyl Chloride Waterstop	15 RCB	2006-025Q
WATER 15	Waterstop & Accessories, 3400 Tree Court Indus. Blvd., St. Louis, MO 63122		
	Polyvinyl Chloride Waterstop	RB6-316 (type C1)	2000-009Q
	Polyvinyl Chloride Waterstop	RSB6-316 (type C2)	2000-009Q
	Polyvinyl Chloride Waterstop	TWB6-18 (type E2)	2000-009Q

### 705.6 Graphite Lubricant

Last Revised: 7/7/2015

	Product	Name	Ref. No.
KAUFM 15	Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131 <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
	Graphite Lubricant	Sure-Slip Graphite Paste	1992-340
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a>		
	Graphite Lubricant	Certi-Vex Sure Slide	2011-247Q

### 705.7(b) Mortar For Masonry and Horizontal Joints Between Precast Components in Manholes and Inlets

Last Revised: 7/7/2015

	Product	Name	Ref. No.
CEMX6 15	Cemex, Inc., 3250 Linebaugh Road, Xenia, OH 45385 <a href="http://www.cemex.com/">http://www.cemex.com/</a>		



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## Section 705: Joint Material

### 705.7(b) Mortar For Masonry and Horizontal Joints Between Precast Components in Manholes and Inlets

Last Revised: 7/7/2015

	Product	Name	Ref. No.
CEMX6 15 Plant	Cemex, Inc., 3250 Linebaugh Road, Xenia, OH 45385 <a href="http://www.cemex.com/">http://www.cemex.com/</a> Fairborn, OH		
	Mortar (Masonry Joints and Horizontal Joints Between Manhole/Inlet Components)	Type N	2010-233QC
ESS-7 15 Plant	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a> Nazareth, PA		
	Mortar (Masonry Joints and Horizontal Joints Between Manhole/Inlet Components)	Type N	2002-109Q

### 705.8(a) Caulking Compound (Pipe and Horizontal Joints Between Precast Components in Manholes and Inlets)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
MCCAS 15	McCann Shields Paint Company, 27 Alexander Street, Pittsburgh, PA 15220		
	Caulking (Pipe Joints and Horizontal Joints Between Manhole/Inlet Components)	Sealing Mastic (Asbestos Free)	1987-277
SEABD 15	Seaboard Asphalt Products Company, 3601 Fairfield Road, Baltimore, MD 21226 <a href="http://seboardasphalt.com/">http://seboardasphalt.com/</a>		
	Caulking (Pipe Joints and Horizontal Joints Between Manhole/Inlet Components)	MP-52	1994-206

### 705.8(b) Caulking Compound (Other)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	Caulking (Other) <i>Previous Name: Sonolastic NP 1</i>	MasterSeal NP 1	1990-185



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## Section 705: Joint Material

### 705.8(b) Caulking Compound (Other)

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	Product	Name	Ref. No.
DOW-4 15	Dow Corning Corporation, 2200 W. Salzburg Road, P. O. Box 994, Midland, MI 48686 <a href="http://www.dow.com/">http://www.dow.com/</a> Caulking (Other)	790 Silicone Sealant	1993-235
PECCR 15	Pecora Corporation, 165 Wambold Road, Harleysville, PA 19438 <a href="http://pecora.com/">http://pecora.com/</a> Caulking (Other) Caulking (Other) Caulking (Other)	Dynatrol I-XL Polyurethane NR-300 Urexpam Polyurethane Pecora 864 Silicone	2000-283Q 2000-282Q 2000-286Q
SCHMH 15	Schnee-Morehead, Inc., 111 North Nursery Road, P.O. Box 171305, Irving, TX 75017-1305 <a href="http://schneemorehead.com/">http://schneemorehead.com/</a> Caulking (Other)	SM7108 Permathane	1999-003Q
SIKA0 15 Facility	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> 2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Crescent, DE55 7RA Caulking (Other) Caulking (Other)	Sikaflex 15LM Polyurethane Sikaflex 1a	2000-126Q 1982-035
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Marion, OH Caulking (Other)	Sikaflex 1a	1982-035
SIKA2 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Lyndhurst, NJ Caulking (Other) Caulking (Other)	Sikaflex 15LM Polyurethane Sikaflex 1a	2000-126Q 1982-035
SIKA4 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Lakewood, NJ Caulking (Other) Caulking (Other) Caulking (Other)	Sikaflex 1a Sikasil WS-290 (Type S Grade NS CL 100/50) Sikasil WS-295 (Type S Grade NS CL 50)	1982-035 2013-032Q 2013-031Q



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## Section 705: Joint Material

### 705.8(b) Caulking Compound (Other)

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	Product	Name	Ref. No.
TREM2 15	Tremco, Inc., 3755 Green Road, Beachwood, OH 44122 <a href="http://tremcoinc.com/">http://tremcoinc.com/</a> Caulking (Other)	Tremco Dymonic FC	2007-033Q

### 705.9 Joint Backing Material

Last Revised: 7/7/2015

	Product	Name	Ref. No.
INDUS 15	Industrial Thermo Polymers Ltd., 153 Van Kirk Drive, Brampton, Ontario, Canada		
	Joint Backing Material	Blue-Grey, Closed Cell PE Foam	1991-172
	Joint Backing Material	Hot Rod XL (Black Cross Linked)	1991-173
MEDW0 15	W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Joint Backing Material	Cera-Rod (Heat Resistant)	1986-026
	Joint Backing Material	Deck-O-Foam (Cold Application Only)	1998-050
NOMAC 15	Nomaco, Inc., 501 Nmc Drive, Zebulon, NC 27597 <a href="http://www.nomaco.com/">http://www.nomaco.com/</a>		
	Joint Backing Material	HBR Backer Rod (Cold Application Only)	2001-177Q
	Joint Backing Material	HBR XL Backer Rod (Cold or Hot Applied)	2001-178Q
	Joint Backing Material	Sof Rod (Cold Application Only)	1995-182





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 706: Concrete Bonding Compound

### 706.1 Epoxy Bonding Compound (ASTM C881)

Last Revised: 7/7/2015

Product	Name	Epoxy Class	Ref. No.
<b>ADHTC 15</b>	<b>Adhesives Technology Corporation, 450 East Copans, Pompano Beach, FL 33064 <a href="http://www.atcepoxy.com/">http://www.atcepoxy.com/</a></b>		
Type I, Grade 2	Ultradond 2100		2009-095Q
<b>BASBS 15</b>	<b>BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a></b>		
Type I, Grade 1	MasterInject 1380		1975-040
<i>Previous Name: Concessive 1380</i>			
Type I, Grade 1	MasterInject 1500		1994-163
<i>Previous Name: Concessive Std. LVI</i>			
Type I, Grade 3	MasterEmaco ADH 327		1992-146
<i>Previous Name: Concessive Paste LPL</i>			
Type I, Grade 3	MasterEmaco ADH 327 RS		1992-147
<i>Previous Name: Concessive Paste SPL</i>			
Type II, Grade 2	MasterEmaco ADH 326		1992-148
<i>Previous Name: Concessive Liquid LPL</i>			
<b>EUCLD 15</b>	<b>Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a></b>		
Type I, Grade 1	Duralflex Gel (formerly Flexocrete)		1980-032
Type I, Grade 1	Euco 452 LV		1986-310A
Type I, Grade 2	Dural 452 MV	B, C	2003-100Q
Type I, Grade 3	Dural 452 MV	B, C	2003-099Q
Type II, Grade 2	Dural 452 MV	B, C	2003-100Q
Type II, Grade 2	Euco 452 MV		1986-310B
Type II, Grade 3	Dural 452 MV	B, C	2003-099Q
Type III, Grade 1	Dural 340 NS	C	2001-192QA
Type III, Grade 1	Dural 340 SL	B, C	----
Type III, Grade 1	Duralflex Gel (formerly Flexocrete Gel)	C	1980-031
Type III, Grade 1	Flexolith	A, B, C	1994-231
Type III, Grade 3	Dural 452 Gel	C	2001-192QB
Type III, Grade 3	Flexocrete	C	----



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## Section 706: Concrete Bonding Compound

### 706.1 Epoxy Bonding Compound (ASTM C881)

Last Revised: 7/7/2015

Product	Name	Epoxy Class	Ref. No.
HLMTE 15	Hallemite, 80 Cypress Street, P. O. Box 840, Warwick, RI 02888		
	Type I, Grade 1	Hallemite 182LV (injection)	1997-197
	Type II, Grade 2	Hallemite 140	1997-195
KAUFM 15	Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131 <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
	Type I, Grade 1	Sure-Poxy HM, Class B	B
	Type I, Grade 1	Sure-Poxy HMLV 112	1992-366
	Type I, Grade 3	Sure-Poxy 116	1988-290
	Type I, Grade 3	Sure-Poxy HM Gel	1992-169
	Type II, Grade 2	Sure-Poxy HM	1990-352
	Type III, Grade 1	Sure-Poxy LM-LV	1981-050
MEDW0 15	W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Type I, Grade 1	Rezi-Weld LV	1981-049
	Type I, Grade 3	Rezi-Weld Gel Paste	1990-230
	Type II, Grade 2	Rezi-Weld 1000	1990-232
PLYGM 15	Polygem, Inc., 1105 Carolina Drive, West Chicago, IL 60185 <a href="http://www.polygem.com/">http://www.polygem.com/</a>		
	Type I, Grade 1	Polyject 1001 MV	1990-231
POLYC 15 Plant	Poly-Carb, Inc., 33095 Bainbridge Road, Cleveland, OH 44139 <a href="http://www.poly-carb.com/">http://www.poly-carb.com/</a>		
	125 GNS Court Roberta, GA		
	Type I, Grade 1	Mark 25.3	1990-230
	Type II, Grade 1	Mark 184	2000-172Q
	Type II, Grade 1	Mark 25.3	2000-174Q
			2000-172Q



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## Section 706: Concrete Bonding Compound

### 706.1 Epoxy Bonding Compound (ASTM C881)

Last Revised: 7/7/2015

Product	Name	Epoxy Class	Ref. No.
<b>SIKA0 15 Facility</b>	<b>Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a></b> <b>2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Crescent, DE55 7RA</b>		
	Type I, Grade 1	Sikadur 35 Hi Mod LV	----
	Type I, Grade 1	Sikadur 52 Injection Resin	1986-228
	Type I, Grade 2	Sikadur 32 Hi Mod	----
	Type I, Grade 3	Sikadur Injection Gel	1987-165
	Type II, Grade 2	Sikadur 32 Hi Mod	----
	Type III, Grade 1	Sikadur 21 Lo Mod LV	----
<b>SIKA1 15 Plant</b>	<b>Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a></b> <b>Marion, OH</b>		
	Type I, Grade 1	Sikadur 35 Hi Mod LV	----
	Type I, Grade 1	Sikadur 52 Injection Resin	1986-228
	Type I, Grade 2	Sikadur 32 Hi Mod	----
	Type I, Grade 3	Sikadur Injection Gel	1987-165
	Type II, Grade 2	Sikadur 32 Hi Mod	----
	Type III, Grade 1	Sikadur 21 Lo Mod LV	----
<b>UNITX 15</b>	<b>DSC Unitex, 3101 Gardner Ave., Kansas City, MO 64120</b> <b>Formerly Unitex</b>		
	Type I, Grade 1	Pro-Poxy 100	1991-290A
	Type I, Grade 3	Pro-Poxy 300	1991-290C
	Type II, Grade 2	Pro-Poxy 200	1991-290B

### 706.2 Non-Epoxy Bonding Compound (ASTM C882)

Last Revised: 7/7/2015

Product	Name	Ref. No.
<b>CHEMM 15</b>	<b>Chem Masters, 300 Edward Street, Madison, OH 44057 <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a></b> Non-Epoxy Bonding Compound	
	Cretelox Bonding Agent	1996-096



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## Section 706: Concrete Bonding Compound

### 706.2 Non-Epoxy Bonding Compound (ASTM C882)

Last Revised: 7/7/2015

	Product	Name	Ref. No.
DAYT1 15	Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> Non-Epoxy Bonding Compound	Day-Chem Ad Bond (J-40)	1995-161
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Non-Epoxy Bonding Compound	Duralprep AC	1996-222
KAUFM 15	Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131 <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a> Non-Epoxy Bonding Compound <i>For placement of fresh to hardened concrete only in the period 4 to 24 hours after application of bonding agent.</i>	SurePoxy HM EPL	1996-093
RDWRE 15	Roadware, Inc., 381 Bridgepoint Way, South St. Paul, MN 55075 <a href="http://www.concretemender.com/">http://www.concretemender.com/</a> Non-Epoxy Bonding Compound	10 Minute Concrete Mender	2000-336Q
SIKA0 15 Facility	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> 2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Cresnet, DE55 7RA Non-Epoxy Bonding Compound	Armatec 110	1990-223
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Marion, OH Non-Epoxy Bonding Compound	Armatec 110	1990-223



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 709: Reinforcement Steel

Steel Products Procurement Act applies.

Click to view for companies listed in this section [Rebar Mill Symbols](#)

### 709.1 Fabricator of Reinforcement Bars

Last Revised: 8/28/2015

All approved epoxy coated and galvanized rebar fabricators can fabricate black rebar unless otherwise noted.

	Product	Name	Ref. No.
AHLEJ 15	J.M. Ahle Company, 190 William Street, Suite 2D, South River, NJ 08882 <a href="http://www.jmahle.com/">http://www.jmahle.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		2008-139Q
AKRRC 15	Akron Rebar Company, 809 W. Waterloo Road, Akron, OH 44314 <a href="http://www.akronrebar.com/">http://www.akronrebar.com/</a> Fabricator, Stainless Steel Bar		2012-019Q
ARMAG 15	Armagost Steel Corporation, 1249 South Main Street, Dubois, PA 15801 Fabricator, Black Bar Only		2002-080Q
BARK1 15	Barker Steel Company, LLC, 405 A Blair Road, Avenel, NJ 07001-2215 <a href="http://barkersteel.com/">http://barkersteel.com/</a> Fabricator, Black Bar and Epoxy Coated Bar <i>Certification Reduction: Level 2 per Publication 408 Section 106.03(b)3, as of 7/30/2009.</i>		1998-002
BEHNE 15	Behney Fabrication, 517 King Street, Lebanon, PA 17042 <a href="http://www.behneyfabrication.com/">http://www.behneyfabrication.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		2010-162Q
BLOMT 15	Bloomsburg Metal Company, 610 North Penn Ave., Wilkes-barre, PA 18705-1730 <a href="http://www.bloomet.com/">http://www.bloomet.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		----
CMCNC 15	CMC Coating of North Carolina, 2528 N. Chester Street, P.O. Box 957, Gastonia, NC 28053-0957 Fabricator, Black Bar and Epoxy Coated Bar		2007-117Q
CONTM 15	Contractors Materials Company, 10320 South Medallion Drive, Cincinnati, OH 45241 <a href="http://cmcmmi.com/">http://cmcmmi.com/</a> Fabricator, Black Bar and Epoxy Coated Bar Fabricator, Stainless Steel Bar		1997-049 2012-166Q
DAYT5 15	Dayton Superior Corporation, 2150B South Route 45-52, Kankakee, IL 60901 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		1994-117



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## Section 709: Reinforcement Steel

### 709.1 Fabricator of Reinforcement Bars

Last Revised: 8/28/2015

All approved epoxy coated and galvanized rebar fabricators can fabricate black rebar unless otherwise noted.

	Product	Name	Ref. No.
DIAFB 15	Diamond Fabrications, Inc., 30 Stewart Court, Washington, PA 15301 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://diamondmetalfab.com/">http://diamondmetalfab.com/</a>	1998-045
FISHW 15	Fisher Welding & Fabrication, 923 Deturksville Road, P.O. Box 28, Pine Grove, PA 17963 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.rfisherwelding.com/">http://www.rfisherwelding.com/</a>	2013-154Q
FREE1 15	Free State Steel, Inc., 1700 South Haven Street, Baltimore, MD 21224 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.freestatesteel.com/">http://www.freestatesteel.com/</a>	1987-425
GERD1415	Gerdau Ameristeel, Muncie, IN. Division, 1810 S. Macedonia Avenue, Muncie, IN 47302 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	2009-073Q
GERD3 15	Gerdau Ameristeel, Knoxville Steel Mill Div., P. O. Box 51236, Knoxville, TN 37950-1236 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	2010-190Q
GERD5 15	Gerdau Ameristeel, 300 Steel Avenue, P.O. Drawer 1368, St. Albans, WV 25177 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	1988-119
GERD6 15	Gerdau Ameristeel, Brocker Northeast Region, 1700 Seventh Ave., York, PA 17403 Fabricator, Black Bar and Epoxy Coated Bar <i>Certification Reduction (Level 2) per Publication 408 Section 106.03(b)3, 6/22/2010.</i>	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	-----
HARMA 15	Harmac Rebar and Steel, 301 Hartle Street, Sayreville, NJ 08872 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.harmacrebar.com">www.harmacrebar.com</a>	2007-090Q
KENGC 15	Kenglo Construction Supply Company, P. O. Box 54, Route 403 South, Strongstown, PA 15957 Fabricator, Black Bar and Epoxy Coated Bar		2001-152Q
MDSP0 15	Meadow Burke Products,, 565 Oak Ridge Road, Humboldt Industrial Park, Hazelton, PA 18201 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://meadowburke.com/">http://meadowburke.com/</a>	2005-120Q



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## Section 709: Reinforcement Steel

### 709.1 Fabricator of Reinforcement Bars

Last Revised: 8/28/2015

All approved epoxy coated and galvanized rebar fabricators can fabricate black rebar unless otherwise noted.

	Product	Name	Ref. No.
MENOS 15	Men of Steel Rebar Fabricators, 4319 Route 130 South, Edgewater Park, NJ 08010 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.menofsteelrebar.com/">http://www.menofsteelrebar.com/</a>	2008-086Q
METPR 15	Metal Partner's Rebar, 601 Righters Ferry Road, Bala Cynwyd, PA 19004 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://metalpartnersrebar.com/">http://metalpartnersrebar.com/</a>	2007-018Q
MIDWP 15	Midwest Pipe Coating, 925 Kennedy Ave., Schererville, IN 46375 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://midwestpiperebar.com/">http://midwestpiperebar.com/</a>	2010-054Q
MORGA 15	Morgan's Welding Inc., 1941 Camp Swatara Road, Myerstown, PA 17067 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://morganswelding.com/">http://morganswelding.com/</a>	1989-247
REST1 15	Re-Steel Supply Company, Inc., 2000 Eddystone Industrial Park, Eddystone, PA 19022 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.resteel.com/">http://www.resteel.com/</a>	----
REST2 15	Re-Steel Supply Company, Inc., 798 E. Venango Street, Philadelphia, PA 19134 Fabricator, Black Bar and Epoxy Coated Bar Fabricator, Galvanized Bar	<a href="http://www.resteel.com/">http://www.resteel.com/</a>	2007-009Q 2007-148Q
REST3 15	Re-Steel Supply Company, Inc., 63 Jr. Hawvermale Way, 522 Business Park, Berkeley Springs, WV 25411 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://www.resteel.com/">http://www.resteel.com/</a>	2009-067Q
SALSR 15	Salit Specialty Rebar, 3235 Lockport Road, Niagara Falls, NY 14305 Fabricator, Stainless Steel Bar	<a href="http://stainlessrebar.com/">http://stainlessrebar.com/</a>	2008-178Q
SIMCT 15	Simcote, Inc., Ohio Division, 250 North Greenwood, Marion, OH 43302 Fabricator, Black Bar and Epoxy Coated Bar	<a href="http://simcote.com/">http://simcote.com/</a>	2010-210Q
SIMRE 15	Simpson Reinforcing, Inc, 20 Silverlake Drive, Pittsburgh, PA 15206 Fabricator, Black Bar and Epoxy Coated Bar Fabricator, Galvanized Bar	<a href="http://www.simpsonrebar.com/">http://www.simpsonrebar.com/</a>	---- 2008-174Q



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## Section 709: Reinforcement Steel

### 709.1 Fabricator of Reinforcement Bars

Last Revised: 8/28/2015

All approved epoxy coated and galvanized rebar fabricators can fabricate black rebar unless otherwise noted.

	Product	Name	Ref. No.
SPIFA 15	Spiral Fab, Inc., 10034 State Road 156, Vevay, IN 47043 <a href="http://spiral-fab.com/">http://spiral-fab.com/</a> Spiral Fabricator, Black Bar and Epoxy Coated Bar		2010-120Q
SRST0 15 Plant	Bridge Deck Solutions DBA Specialty Rebar Supply and Tie, 298 Cherry Hill Drive, Latrobe, PA 15650 2900 South Noah Drive Saxonburg, PA 16056 Fabricator, Black Bar and Epoxy Coated Bar		2014-169Q
STEEL 15	Steelcorp, Inc., 5938 State Route 128, Miamitown, OH 45041 <a href="http://steelcorpinc.com/">http://steelcorpinc.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		2000-112Q
TITUS 15	Titusville Fabricating, 191 Howard St., Franklin, PA 16323 Fabricator, Black Bar and Epoxy Coated Bar Fabricator, Galvanized Bar		1996-073 2007-011Q
TOLTC 15	Toltec Steel Services, Inc., 780 Eastgate Ind. Parkway, P.O. Box 351, Kankakee, IL 60901 <a href="http://www.toltecsteel.com/">http://www.toltecsteel.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		2001-229Q
TRIBO 15	Tri-Boro Construction Supplies, Inc, 1490 Ritner Highway, Carlisle, PA 17013 <a href="http://www.tri-borosupplies.com/">http://www.tri-borosupplies.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		2008-040Q
TRISR 15	Tri State Rebar Company, 1558 Mt Pleasant, Connellsville Road, Mount Pleasant, PA 15666 <a href="http://tristaterebar.com/contacts.html">http://tristaterebar.com/contacts.html</a> Fabricator, Black Bar and Epoxy Coated Bar		1990-308
TYEBR 15 Facility	TyE Bar, LLC, 1050 Ohio Avenue, Glassport, PA 15045 1050 Ohio Avenue Glassport, PA 15045 Fabricator, Black Bar and Epoxy Coated Bar		2015-084Q
WHICO 15	L. C. Whitford Company, 164 North Main Street, P.O. Box 663, Wellsville, NY 14895 <a href="http://www.lcwhitford.com/">http://www.lcwhitford.com/</a> Fabricator, Black Bar and Epoxy Coated Bar		2007-043Q





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## Section 709: Reinforcement Steel

### 709.1(a) Billet Steel Bars

Last Revised: 8/28/2015

	Product	Name	Ref. No.
ABSTM 15	Byer Steel, 200 West North Bend Road, Cincinnati, OH 45216 <i>Formerly A. B. Steel Mills, Inc.</i>	<a href="http://www.byersteelminded.com/">http://www.byersteelminded.com/</a>	
	Billet Steel, Deformed		2001-162
ALTSC 15	Alton Steel Inc., # 5 Cut Street, Alton, IL 62002	<a href="http://altonsteel.com/">http://altonsteel.com/</a>	
	Billet Steel, Plain		1999-226Q
ARM-1 15	Arcelormittal Harriman, 2404 S. Roane St., Harriman, TN 37748 <i>Formerly BAYOU, Bayou Steel Corporation</i>	<a href="http://usa.arcelormittal.com/Our-operations/Long/Harriman/">http://usa.arcelormittal.com/Our-operations/Long/Harriman/</a>	
	Billet Steel, Deformed		2001-213Q
CMCSC 15	CMC Steel of South Carolina, 310 New State Road, P. O. Box 2005, Cayce-west Columbia, SC 29171		
	Billet Steel, Deformed		1988-096
	Billet Steel, Deformed		1989-099
	Billet Steel, Deformed		1993-045
	Billet Steel, Deformed		1998-084
	Billet Steel, Plain		1988-096
	Billet Steel, Plain		1989-099
	Billet Steel, Plain		1993-045
	Billet Steel, Plain		1998-084
EVRAZ 15	Evraz, Inc. NA/Rocky Mountain Steel, 2100 S. Freeway, Pueblo, CO 81004	<a href="http://www.evrazna.com/Products/tabid/55/Default.asp">http://www.evrazna.com/Products/tabid/55/Default.asp</a>	
	Billet Steel, Coiled Only		2013-130Q
GERD1 15	Gerdau Ameristeel, Charlotte Steel Mill Div., P.o. Box 481980, Charlotte, NC 28269	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	
	Billet Steel, Deformed		1986-042
	Billet Steel, Deformed		1986-167
	Billet Steel, Plain		1986-042
	Billet Steel, Plain		1986-167



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## Section 709: Reinforcement Steel

### 709.1(a) Billet Steel Bars

Last Revised: 8/28/2015

Product	Name	Ref. No.
<b>GERD1115</b>	<b>Gerdau Ameristeel, Epoxy Coating Division, North Crossman Road, Sayreville, NJ 08871 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a></b>	
Billet Steel, Deformed <i>Certification Reduction (Level 2) per Publication 408 Section 106.03(b)3, 2/14/2011.</i>		1988-097
Billet Steel, Deformed <i>Certification Reduction (Level 2) per Publication 408 Section 106.03(b)3, 2/14/2011.</i>		1988-098
Billet Steel, Plain <i>Certification Reduction (Level 2) per Publication 408 Section 106.03(b)3, 2/14/2011.</i>		1988-097
Billet Steel, Plain <i>Certification Reduction (Level 2) per Publication 408 Section 106.03(b)3, 2/14/2011.</i>		1988-098
<b>GERD1215</b>	<b>Gerdau Ameristeel, Perth Amboy Steel Division, 225 Elm Street, Perth Amboy, NJ 08862 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a></b>	
Billet Steel, Deformed		1986-354
Billet Steel, Deformed		1989-198
Billet Steel, Deformed		2000-099Q
Billet Steel, Plain		1986-354
Billet Steel, Plain		1989-198
<b>GERD1315</b>	<b>Gerdau Ameristeel, St. Paul Mill, 1678 Red Rock Road, St. Paul, MN 55119 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a></b>	
Billet Steel, Deformed		1986-354
Billet Steel, Plain		1989-198
<b>GERD1515</b>	<b>Gerdau Ameristeel Sand Springs, Quality Assurance Department, 2300 South Highway 97, Sand Springs, OK 74063 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a></b>	
Billet Steel, Deformed		2003-107Q
Billet Steel, Plain		2003-107Q
<b>GERD1615</b>	<b>Gerdau Ameristeel - Midlothian, 300 Ward Road, Midlothian, TX 76065 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a></b>	
Billet Steel, Deformed		1986-120
Billet Steel, Plain		1986-120



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## Section 709: Reinforcement Steel

### 709.1(a) Billet Steel Bars

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	Product	Name	Ref. No.
GERD1715	Gerdau Ameristeel, 100 Old Highway 90 West, Vidor, TX 77662 Billet Steel, Coiled Only <i>Bar sizes 3 to 5 only</i>	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	2014-238QA
GERD2 15	Gerdau Ameristeel, West Tennessee Steel Mill Division, P.O. Box 3670, Jackson, TN 38303 Billet Steel, Deformed Billet Steel, Plain	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	1986-160 1986-160
GERD3 15	Gerdau Ameristeel, Knoxville Steel Mill Div., P. O. Box 51236, Knoxville, TN 37950-1236 Billet Steel, Deformed Billet Steel, Deformed Billet Steel, Deformed Billet Steel, Plain Billet Steel, Plain Billet Steel, Plain	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>   (Prior Ref. Nos.: 1986-195, 1986-300)	1986-195 1986-300 1987-204 1986-195 1986-300 1987-204
GERD4 15	Gerdau Ameristeel, Jacksonville Steel Mill Div., P. O. Box 518, Hwy 217, Baldwin, FL 32234-0518 Billet Steel, Deformed Billet Steel, Plain	<a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a>	1986-166 1986-166
KEYSW 15	Keystone Steel & Wire Company, 7000 S. W. Adams Street, Peoria, IL 61641 Billet Steel, Coiled Only <i>Bar Sizes 3-5 Only</i>	<a href="http://keystonesteel.com/">http://keystonesteel.com/</a>	2013-061Q
NOSS3 15	North Star Steel of Texas, P. O. Box 2390, Beaumont, TX 77704 <i>Purchased by Gerdau Ameristeel (GERD1715) in 2004</i> Billet Steel, Deformed Billet Steel, Plain		1987-027 1987-027



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## Section 709: Reinforcement Steel

### 709.1(a) Billet Steel Bars

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	Product	Name	Ref. No.
NUCR1 15	Nucor Steel, Darlington Division, 300 Steel Mill Road, Darlington, SC 29540 <a href="http://www.nucor.com/">http://www.nucor.com/</a>		
	Billet Steel, Deformed		1991-180
	Billet Steel, Plain		1991-180
NUCR2 15	Nucor Steel, Auburn Division, P.O. Box 2008, 25 Quarry Road, Auburn, NY 13021 <a href="http://www.nucor.com/">http://www.nucor.com/</a>		
	Billet Steel, Deformed		1998-165
	Billet Steel, Plain		1998-165
NUCR3 15	Nucor Steel Kankakee, Inc., 972 East 4500 North Road, Bourbonnais, IL 60914-4127 <a href="http://www.nucor.com/">http://www.nucor.com/</a>		
	Billet Steel, Deformed		1991-274
	Billet Steel, Deformed		1991-367
	Billet Steel, Plain		1991-274
	Billet Steel, Plain		1991-367
NUCR4 15	Nucor Steel Jackson, Inc., 3630 Fourth Street, Jackson, MS 39232 <a href="http://www.nucor.com/">http://www.nucor.com/</a>		
	Billet Steel, Deformed		1987-151
	Billet Steel, Deformed		1991-314
	Billet Steel, Deformed		1991-315
	Billet Steel, Plain		1987-151
	Billet Steel, Plain		1991-314
	Billet Steel, Plain		1991-315
NUCR5 15	Nucor Steel Birmingham, Inc., P.O. Box 2764, Birmingham, AL 35202-2764 <a href="http://www.nucor.com/">http://www.nucor.com/</a>		
	Billet Steel, Deformed		1990-014
	Billet Steel, Deformed		1990-066
	Billet Steel, Deformed		1991-070
	Billet Steel, Deformed		1991-071
	Billet Steel, Deformed		1995-224
	Billet Steel, Deformed		1995-280



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### 709.1(a) Billet Steel Bars

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	Product	Name	Ref. No.
NUCR6 15	Nucor Steel Marion, Inc., 912 Cheney Ave., Marion, OH 43302 <a href="http://www.nucor.com/">http://www.nucor.com/</a>		
	Billet Steel, Deformed		1991-020
	Billet Steel, Plain		1991-020
NUCR7 15	Nucor Steel Connecticut, Inc., 35 Toelles Rd., P. O. Box 928, Wallingford, CT 06492 <a href="http://www.nucor.com/">http://www.nucor.com/</a>		
	Billet Steel, Deformed		1989-081
	Billet Steel, Deformed		1989-124
	Billet Steel, Deformed		1992-258
STEDR 15	Steel Dynamics Roanoke Bar Div, 102 Westside Blvd. Nw, Roanoke, VA 24017 <a href="http://www.roanokesteel.com/">http://www.roanokesteel.com/</a>		
	Billet Steel, Deformed		2007-113Q

### 709.1(b) Rail Steel Bars

Last Revised: 8/28/2015

### 709.1(c) Epoxy Coaters of Steel Bars

Last Revised: 8/28/2015

	Product	Name	Ref. No.
ABCCM 15	ABC Coating Company of Michigan, 1503 Burlingame S.W., Wyoming, MI 49509		
	Approved Epoxy Coater		1994-144
CMCNC 15	CMC Coating of North Carolina, 2528 N. Chester Street, P.O. Box 957, Gastonia, NC 28053-0957		
	Approved Epoxy Coater		1997-114
CORCI 15	Corrosion Control, Inc., 10 Quarry Road, Auburn, NY 13021 <a href="http://www.corrosioncontrolinc.com/">http://www.corrosioncontrolinc.com/</a>		
	Approved Epoxy Coater		2004-085Q
DAYT5 15	Dayton Superior Corporation, 2150B South Route 45-52, Kankakee, IL 60901 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
	Approved Epoxy Coater		1996-160



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## Section 709: Reinforcement Steel

### 709.1(c) Epoxy Coaters of Steel Bars

Last Revised: 8/28/2015

Product	Name	Ref. No.
FREE1 15	Free State Steel, Inc., 1700 South Haven Street, Baltimore, MD 21224 <a href="http://www.freestatesteel.com/">http://www.freestatesteel.com/</a> Approved Epoxy Coater	1987-425
GERD1115	Gerdau Ameristeel, Epoxy Coating Division, North Crossman Road, Sayreville, NJ 08871 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a> Approved Epoxy Coater <i>Certification Reduction (Level 2) per Publication 408 Section 106.03(b)3, 4/2/2013.</i>	1990-381
GERD1415	Gerdau Ameristeel, Muncie, IN. Division, 1810 S. Macedonia Avenue, Muncie, IN 47302 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a> Approved Epoxy Coater	2005-133Q
GERD3 15	Gerdau Ameristeel, Knoxville Steel Mill Div., P. O. Box 51236, Knoxville, TN 37950-1236 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a> Approved Epoxy Coater	1988-337
LANE5 15	Lane Enterprises, Inc., 1244 Claremont Road, Carlisle, PA 17013 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a> Approved Epoxy Coater	1989-223
MIDWP 15	Midwest Pipe Coating, 925 Kennedy Ave., Schererville, IN 46375 <a href="http://midwestpiperebar.com/">http://midwestpiperebar.com/</a> Approved Epoxy Coater	1984-128
SIMCT 15	Simcote, Inc., Ohio Division, 250 North Greenwood, Marion, OH 43302 <a href="http://simcote.com/">http://simcote.com/</a> Approved Epoxy Coater	1985-022
TITUS 15	Titusville Fabricating, 191 Howard St., Franklin, PA 16323 Approved Epoxy Coater	1996-073
TOLTC 15	Toltec Steel Services, Inc., 780 Eastgate Ind. Parkway, P.O. Box 351, Kankakee, IL 60901 <a href="http://www.toltecsteel.com/">http://www.toltecsteel.com/</a> Approved Epoxy Coater	2001-229Q

### 709.1(c) Epoxy Powder and Patching Material Manufacturers

Last Revised: 8/28/2015

Product	Name	Ref. No.
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## Section 709: Reinforcement Steel

### 709.1(c) Epoxy Powder and Patching Material Manufacturers

Last Revised: 8/28/2015

	Product	Name	Ref. No.
3MC-1 15 Plant	3M, 1840 Oxford Street East, Loudon, Ontario Canada N5v 3r Morden, Manitoba ROG 1JO	<a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>	
	Epoxy Powder Material (Manufacturer)	ScotchKote 413	2010-014Q
AKZNC 15	Akzo Nobel Coatings, Inc., 20 Culvert Street, Nashville, TN 37210	<a href="https://www.akzonobel.com/">https://www.akzonobel.com/</a>	
	Epoxy Powder Material (Manufacturer)	Resicoat RB-600 HKF 30R	2013-141QB
ARMIN 15	Armitage Industries Inc., DBA Thermal-Chem Corporation, 2550 Edgington Street, Franklin Park, IL 60131		
	Epoxy Patching Repair Material (Manufacturer)	BarPatch 803	2013-141QA
	<i>Application Technical Info:</i> <i>Approval for un-thinned material only.</i> <i>Substrate temp.: 40-80 deg F.</i> <i>Mix no less than 3 minutes (longer mix time required for lower temperature).</i> <i>VOC = 0.008 lb/gal.</i>		
AXACS 15	Axalta Coating Systems, LLC, 9800 Genard Road, Houston, TX 77041	<a href="http://www.axaltacs.com/corporate/en_US.html">http://www.axaltacs.com/corporate/en_US.html</a>	
	Formerly DuPont (DUPT3)		
	Epoxy Powder Material (Manufacturer)	Nap-Gard 7-2719	2001-037Q
	Epoxy Powder Material (Manufacturer)	Nap-Gard 7-2750	2012-176Q
SIECO 15	Sierra Corporation, 11400 West 47th Street, Minnetonka, MN 55343	<a href="http://sierrapaint.com/">http://sierrapaint.com/</a>	
	Epoxy Patching Repair Material (Manufacturer)	ScotchKote 323R	2013-135Q
	<i>Approval for un-thinned material only</i> <i>Application Technical Info:</i> <i>Substrate Temp.: 41-200 degF @ 5 degF above Dew Point Temp.</i> <i>Mixing accomplished by mixing tip dispenser.</i> <i>VOC = 0.280 lb/gal.</i> <i>Storage Condition Temperature: 40-100 degF</i>		



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## Section 709: Reinforcement Steel

### 709.1(c) Epoxy Powder and Patching Material Manufacturers

Last Revised: 8/28/2015

	Product	Name	Ref. No.
SPEPC 15	Specialty Polymer Coatings Inc, #101 - 20529 62nd Ave., Langley, Bc V3a 8r4 <a href="http://www.spc-net.com/">http://www.spc-net.com/</a> Epoxy Patching Repair Material (Manufacturer) <i>Approval for un-thinned material only</i> <i>Application Technical Info:</i> <i>Substrate Temp.: 50-212 degF or a min. of 5.4 degF above Dew Point Temp.</i> <i>VOC = 0.05 lb/gal.</i>	Nap-Gard 7-1868 Dark Green Fast Cure Repair	2012-231Q
VALSP115	Valspar Corporation, 1101 S 3rd St, Minneapolis, MN 55415 <a href="http://www.valsparglobal.com/">http://www.valsparglobal.com/</a> Epoxy Powder Material (Manufacturer)	Greenbar 720A009	1992-289
VALSP215	Valspar Corporation, 10300 Claude Freeman Drive, Charlotte, NC 28262 <a href="http://www.valsparglobal.com/">http://www.valsparglobal.com/</a> Epoxy Powder Material (Manufacturer)	Greenbar 720A009	2009-079Q
VALSP315	Valspar Corporation, 5400 Avenue Of The Cities, Moline, IL 61265 <a href="http://www.valsparglobal.com/">http://www.valsparglobal.com/</a> Epoxy Patching Repair Material (Manufacturer) <i>Provisionally Approved: Contact NPI before using:</i> <i>Approval for un-thinned material only</i> <i>Application Technical Info:</i> <i>Substrate Temp.: 50-100 degF.</i> <i>VOC = 2.27 lb/gal. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Valspar Green Bar Touch-up	2012-235Q
VALSP415	Valspar Corporation, 13129 Harland Drive Ne, Covington, GA 30014 <a href="http://www.valsparglobal.com/">http://www.valsparglobal.com/</a> Epoxy Powder Material (Manufacturer)	Greenbar 720A009	2013-214Q

### 709.1(e) Galvanized Bars

Last Revised: 8/28/2015

	Product	Name	Ref. No.
CONGV 15	Connecticut Galvanizing, P.O. Box 358, Glastonbury, CT 06033-0358 <a href="http://ctgalv.com/">http://ctgalv.com/</a> Galvanized Bar		2006-116Q





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### 709.1(e) Galvanized Bars

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	Product	Name	Ref. No.
HUBBL 15	O. W. Hubbell and Sons, P.O. Box 37, New York Mills, NY 13417 Galvanized Bar		2015-005Q
JAR-1 15 Plant	Jarden Zinc Products, 2500 Old State Road, P.O. Box 1890, Greeneville, TN 37744 <a href="http://www.jardenzinc.com/">http://www.jardenzinc.com/</a> Statesville, NC Galvanized Bar <i>American Steel Tubing: bonding zinc to bar</i> <i>Southeast Tubular Products: bonding zinc to bar</i> <i>Conditionally Approved as an alternate. Contact NPI at two (2) weeks before placement on a PennDOT project each time the product is used.</i> <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a>	Lifejacket Dowels	2009-084
NJG&T 15	New Jersey Galvanizing and Tinning Works, 139 Hayes Avenue, Newark, NJ 07114 <a href="http://www.newjerseygalvanizing.com/#!">http://www.newjerseygalvanizing.com/#!</a> Galvanized Bar		2006-216Q
SAGV1 15	South Atlantic Galvanizing, 3025 Steel Way Drive, P.O. Box 1380, Graham, NC 27253 <a href="http://www.southatlanticllc.com/">http://www.southatlanticllc.com/</a> Galvanized Bar		2014-016Q
YOUNG 15	Young Galvanizing, Inc., P. O. Box 334, Route 551, Pulaski, PA 16143 <a href="http://younggalvanizing.com/">http://younggalvanizing.com/</a> Galvanized Bar		2006-178Q

### 709.1(d) Low-Alloy Steel Bars

Last Revised: 8/28/2015

	Product	Name	Ref. No.
CMCSC 15	CMC Steel of South Carolina, 310 New State Road, P. O. Box 2005, Cayce-west Columbia, SC 29171 Low-Alloy Steel, Deformed		2005-015Q
EVRAZ 15	Evraz, Inc. NA/Rocky Mountain Steel, 2100 S. Freeway, Pueblo, CO 81004 <a href="http://www.evrazna.com/Products/tabid/55/Default.asp">http://www.evrazna.com/Products/tabid/55/Default.asp</a> Low-Alloy Steel, Coiled Only <i>Bar Sizes 3-5 Only</i>		2013-130Q



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## Section 709: Reinforcement Steel

### 709.1(d) Low-Alloy Steel Bars

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	Product	Name	Ref. No.
GERD1715	Gerdau Ameristeel, 100 Old Highway 90 West, Vidor, TX 77662 <a href="http://www.gerdau.com/northamerica/en">http://www.gerdau.com/northamerica/en</a> Low-Alloy Steel, Coiled Only <i>Bar sizes 3 to 5 only</i>		-
NUCR1 15	Nucor Steel, Darlington Division, 300 Steel Mill Road, Darlington, SC 29540 <a href="http://www.nucor.com/">http://www.nucor.com/</a> Low-Alloy Steel, Deformed		2005-092Q
NUCR2 15	Nucor Steel, Auburn Division, P.O. Box 2008, 25 Quarry Road, Auburn, NY 13021 <a href="http://www.nucor.com/">http://www.nucor.com/</a> Low-Alloy Steel, Deformed		1998-165
NUCR3 15	Nucor Steel Kankakee, Inc., 972 East 4500 North Road, Bourbonnais, IL 60914-4127 <a href="http://www.nucor.com/">http://www.nucor.com/</a> Low-Alloy Steel, Deformed Low-Alloy Steel, Deformed		1991-274 1991-367

### 709.1(f) Stainless Steel Bars

Last Revised: 8/28/2015

	Product	Name	Ref. No.
CARTC 15 Terminal	Carpenter Technology Corporation, 101 West Bern Street, Reading, PA 19612 <a href="http://www.carttech.com/">http://www.carttech.com/</a> Talley Metals Hartsville, SC Stainless Steel Bar	Enduramet 32 (UNS 24100)	2008-177Q

### 709.1(g) Uncoated Corrosion-Resistant Bars

Last Revised: 8/28/2015

	Product	Name	Ref. No.
CASST 15	Cascade Steel, 32 NE Highway 99W, McMinnville, OR 97128 <a href="http://www.cascadesteel.com/">http://www.cascadesteel.com/</a> Uncoated Corrosion-Resistant Bar <i>Pub. 408, effective 4/4/2014. AASHTO MP18M/MP18.</i>	MMFX2 Microcomposite Steel	2011-061

### 709.4 Deformed Welded Wire Fabric

Last Revised: 8/28/2015



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## Section 709: Reinforcement Steel

### 709.4 Deformed Welded Wire Fabric

Last Revised: 8/28/2015

All supplied material MUST include Mill Certifications from the actual mill locations where the steel is produced.

All Mill Certifications MUST include the physical test results and a statement that the material was melted and manufactured in the USA.

Product	Name	Wire Fabric Type	Ref. No.
CONGV 15	Connecticut Galvanizing, P.O. Box 358, Glastonbury, CT 06033-0358 <a href="http://ctgalv.com/">http://ctgalv.com/</a> Galvanizer	Non-Mill	2006-116Q
DOWNY 15	Downey, B. L., Company, Inc., 2125 Gardner Road, Broadview, IL 60153 Epoxy Coater	Non-Mill	1996-248
ENGWP 15	Engineered Wire Products, Inc., 1200 N. Warpole Street, P. O. Box 313, Upper Sandusky, OH 43351 <a href="http://ewp1.com/">http://ewp1.com/</a> Welded Wire Fabric Manufacturer	Non-Mill	1991-136
INST1 15 Plant	Insteel Wire Products, 1373 Boggs Drive, Mount Airy, NC 27030 <a href="http://www.insteel.com/">http://www.insteel.com/</a> Wilmington, DE Welded Wire Fabric Manufacturer	Non-Mill	----
INST4 15 Plant	Insteel Wire Products, 1373 Boggs Drive, Mount Airy, NC 27030 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 129 Carter Street Mount Airy, NC 27030 Welded Wire Fabric Manufacturer	Non-Mill	----
INST5 15 Plant	Insteel Wire Products, 3050 Melson Ave., Jacksonville, FL 32254 <a href="http://www.insteel.com/">http://www.insteel.com/</a> Jacksonville, FL <i>Formerly Ivy Steel and Wire (IS&amp;W6)</i> Welded Wire Fabric Manufacturer	Non-Mill	2006-043Q
INST6 15 Plant	Insteel Wire Products, 810 Atchison Street, St. Joseph, MO 64503 <a href="http://www.insteel.com/">http://www.insteel.com/</a> MO <i>Formerly Ivy Steel and Wire (IS&amp;W5)</i> Welded Wire Fabric Manufacturer	Non-Mill	1996-191



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## Section 709: Reinforcement Steel

### 709.4 Deformed Welded Wire Fabric

Last Revised: 8/28/2015

All supplied material MUST include Mill Certifications from the actual mill locations where the steel is produced.

All Mill Certifications MUST include the physical test results and a statement that the material was melted and manufactured in the USA.

Product	Name	Wire Fabric Type	Ref. No.
INST7 15 Plant	Insteel Wire Products, 501 Forrest Road, Hazle Township, PA 198202 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 501 Forrest Rd Humbolt Industrial Park Hazle Township, PA 18202 <i>Formerly Ivy Steel and Wire (IS&amp;W4)</i> Welded Wire Fabric Manufacturer	Non-Mill	1992-071
INST9 15 Plant	Insteel Wire Products, 1373 Boggs Drive, Mount Airy, NC 27030 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 3325 Route 1099 Hickman, KY Galvanizer	Non-Mill	2013-144Q
IOWSW 15	Iowa Steel & Wire, 1500 West Van Buren, Centerville, IA 52544 Welded Wire Fabric Manufacturer	Non-Mill	2000-230Q
LANE5 15	Lane Enterprises, Inc., 1244 Claremont Road, Carlisle, PA 17013 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a> Epoxy Coater	Non-Mill	1989-223
NELWS 15	Nelson Wire and Steel, 1015 New Salem Road, New Salem, PA 15468 <i>Formerly Nucor Wire Products (NUCW-)</i> Welded Wire Fabric Manufacturer	Non-Mill	2011-151QAB
NJG&T 15	New Jersey Galvanizing and Tinning Works, 139 Hayes Avenue, Newark, NJ 07114 <a href="http://www.newjerseygalvanizing.com/#/">http://www.newjerseygalvanizing.com/#/</a> Galvanizer	Non-Mill	2006-216Q
NUCR7 15	Nucor Steel Connecticut, Inc., 35 Toelles Rd., P. O. Box 928, Wallingford, CT 06492 <a href="http://www.nucor.com/">http://www.nucor.com/</a> Welded Wire Fabric Manufacturer	Non-Mill	2011-124Q
NUMES 15	Numesh USA, LLC, 211 Warren Street, Glens Falls, NY 12801 <a href="http://www.numesh.com/en/">http://www.numesh.com/en/</a> Welded Wire Fabric Manufacturer	Non-Mill	2010-066Q
REISO 15	Engineered Wire Products, 3121 West Market Street, Warren, OH 44485 <a href="http://ewp1.com/">http://ewp1.com/</a> Welded Wire Fabric Manufacturer	Non-Mill	2011-086Q



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## Section 709: Reinforcement Steel

### 709.4 Deformed Welded Wire Fabric

Last Revised: 8/28/2015

All supplied material MUST include Mill Certifications from the actual mill locations where the steel is produced.

All Mill Certifications MUST include the physical test results and a statement that the material was melted and manufactured in the USA.

Product	Name	Wire Fabric Type	Ref. No.
YOUNG 15	Young Galvanizing, Inc., P. O. Box 334, Route 551, Pulaski, PA 16143 <a href="http://younggalvanizing.com/">http://younggalvanizing.com/</a> Galvanizer	Non-Mill	2006-178Q

### 709.3 Steel Welded Wire Fabric

Last Revised: 8/28/2015

All supplied material MUST include Mill Certifications from the actual mill locations where the steel is produced.

All Mill Certifications MUST include the physical test results and a statement that the material was melted and manufactured in the USA.

Product	Name	Wire Fabric Type	Ref. No.
CARSW 15	Cargill Steel & Wire, 1915 John Connally Drive, Carrollton, TX 75006 <a href="http://www.cargill-etm.com/metals.html">http://www.cargill-etm.com/metals.html</a> Wire Manufacturer	Non-Mill	2000-027Q
CONCT 15	Concrete Pipe Products Corporation, Ten Thomas St., Chenango Bridge, NY 13901 Wire Manufacturer	Non-Mill	1990-323
CONGV 15	Connecticut Galvanizing, P.O. Box 358, Glastonbury, CT 06033-0358 <a href="http://ctgalv.com/">http://ctgalv.com/</a> Galvanizer	Non-Mill	2006-116Q
DOWNY 15	Downey, B. L., Company, Inc., 2125 Gardner Road, Broadview, IL 60153 Epoxy Coater	Non-Mill	1996-248
ENGWP 15	Engineered Wire Products, Inc., 1200 N. Warpole Street, P. O. Box 313, Upper Sandusky, OH 43351 <a href="http://ewp1.com/">http://ewp1.com/</a> Welded Wire Fabric Manufacturer Wire Manufacturer	Non-Mill Non-Mill	1991-136 2009-048Q
FOXVS 15	Fox Valley Steel & Wire Company, 111 North Douglas Street, Hortonville, WI 54944 Wire Manufacturer	Non-Mill	2000-339Q



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## Section 709: Reinforcement Steel

### 709.3 Steel Welded Wire Fabric

Last Revised: 8/28/2015

All supplied material MUST include Mill Certifications from the actual mill locations where the steel is produced.

All Mill Certifications MUST include the physical test results and a statement that the material was melted and manufactured in the USA.

Product	Name	Wire Fabric Type	Ref. No.
INST1 15 Plant	Insteel Wire Products, 1373 Boggs Drive, Mount Airy, NC 27030 <a href="http://www.insteel.com/">http://www.insteel.com/</a> Wilmington, DE Welded Wire Fabric Manufacturer	Non-Mill	----
INST2 15	Insteel Wire Products, 638 Rappahannock Wire Road, Gallatin, TN 37066 <a href="http://www.insteel.com/">http://www.insteel.com/</a> Welded Wire Fabric Manufacturer	Non-Mill	2000-160Q
INST4 15 Plant	Insteel Wire Products, 1373 Boggs Drive, Mount Airy, NC 27030 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 129 Carter Street Mount Airy, NC 27030 Welded Wire Fabric Manufacturer Wire Manufacturer	Non-Mill Non-Mill	---- 2008-004Q
INST5 15 Plant	Insteel Wire Products, 3050 Melson Ave., Jacksonville, FL 32254 <a href="http://www.insteel.com/">http://www.insteel.com/</a> Jacksonville, FL <i>Formerly Ivy Steel and Wire (IS&amp;W6)</i> Welded Wire Fabric Manufacturer	Non-Mill	2006-043Q
INST6 15 Plant	Insteel Wire Products, 810 Atchison Street, St. Joseph, MO 64503 <a href="http://www.insteel.com/">http://www.insteel.com/</a> MO <i>Formerly Ivy Steel and Wire (IS&amp;W5)</i> Welded Wire Fabric Manufacturer	Non-Mill	1996-191
INST7 15 Plant	Insteel Wire Products, 501 Forrest Road, Hazle Township, PA 198202 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 501 Forrest Rd Humbolt Industrial Park Hazle Township, PA 18202 <i>Formerly Ivy Steel and Wire (IS&amp;W4)</i> Welded Wire Fabric Manufacturer	Non-Mill	1993-221
INST9 15 Plant	Insteel Wire Products, 1373 Boggs Drive, Mount Airy, NC 27030 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 3325 Route 1099 Hickman, KY Galvanizer	Non-Mill	2013-144Q



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## Section 709: Reinforcement Steel

### 709.3 Steel Welded Wire Fabric

Last Revised: 8/28/2015

All supplied material MUST include Mill Certifications from the actual mill locations where the steel is produced.

All Mill Certifications MUST include the physical test results and a statement that the material was melted and manufactured in the USA.

	Product	Name	Wire Fabric Type	Ref. No.
IOWSW 15	Iowa Steel & Wire, 1500 West Van Buren, Centerville, IA 52544 Welded Wire Fabric Manufacturer		Non-Mill	2000-230Q
KEYSW 15	Keystone Steel & Wire Company, 7000 S. W. Adams Street, Peoria, IL 61641 <a href="http://keystonesteel.com/">http://keystonesteel.com/</a> Wire Manufacturer		Mill	2009-069Q
LANE5 15	Lane Enterprises, Inc., 1244 Claremont Road, Carlisle, PA 17013 <a href="http://www.lane-enterprises.com/">http://www.lane-enterprises.com/</a> Epoxy Coater		Non-Mill	1989-223
LEGPT 15 Plant	Leggett & Platt, Inc., Adcom Wire Division, No. 1 Leggett Road, Carthage, MO 64836 <a href="http://leggett.com/">http://leggett.com/</a> Nicholasville, KY Wire Manufacturer		Non-Mill	2002-022Q
NELWS 15	Nelson Wire and Steel, 1015 New Salem Road, New Salem, PA 15468 <i>Formerly Nucor Wire Products (NUCW-)</i> Welded Wire Fabric Manufacturer		Non-Mill	2011-151QAB
NJG&T 15	New Jersey Galvanizing and Tinning Works, 139 Hayes Avenue, Newark, NJ 07114 <a href="http://www.newjerseygalvanizing.com/#/">http://www.newjerseygalvanizing.com/#/</a> Galvanizer		Non-Mill	2006-216Q
NUCR7 15	Nucor Steel Connecticut, Inc., 35 Toelles Rd., P. O. Box 928, Wallingford, CT 06492 <a href="http://www.nucor.com/">http://www.nucor.com/</a> Welded Wire Fabric Manufacturer		Non-Mill	1992-258B
NUMES 15	Numesh USA, LLC, 211 Warren Street, Glens Falls, NY 12801 <a href="http://www.numesh.com/en/">http://www.numesh.com/en/</a> Welded Wire Fabric Manufacturer		Non-Mill	2010-066Q
TATAN 15 Plant	Tatano Wire & Steel, 224 Jackson Street, Box 247, Houston, PA 15342 Canonsburg, PA Welded Wire Fabric Manufacturer		Non-Mill	1995-017



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## Section 709: Reinforcement Steel

### 709.3 Steel Welded Wire Fabric

Last Revised: 8/28/2015

All supplied material MUST include Mill Certifications from the actual mill locations where the steel is produced.

All Mill Certifications MUST include the physical test results and a statement that the material was melted and manufactured in the USA.

Product	Name	Wire Fabric Type	Ref. No.
TAUSW 15	Taubensee Steel & Wire Company, 600 Diens Drive, Wheeling, IL 60090 <a href="http://www.taubensee.com/">http://www.taubensee.com/</a> Wire Manufacturer	Non-Mill	2003-062Q
VIMC- 15	Vimco, Inc., 300 Hansen Access Road, King of Prussia, PA 19406 <a href="http://vimcoinc.com/">http://vimcoinc.com/</a> Welded Wire Fabric Manufacturer	Non-Mill	2012-017Q
WIRET 15 Plant	Wiretech Inc., 6440 E. Canning St., Commerce, CA 90040 <a href="http://www.wiretechincorporated.com/">http://www.wiretechincorporated.com/</a> Elyria, OH 44035 Wire Manufacturer	Non-Mill	2010-060Q
YOUNG 15	Young Galvanizing, Inc., P. O. Box 334, Route 551, Pulaski, PA 16143 <a href="http://younggalvanizing.com/">http://younggalvanizing.com/</a> Galvanizer	Non-Mill	2006-178Q





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## Section 711: Concrete Curing Material and Admixtures

### 711.1(a) Curing and Protecting Covers: White Polyethylene Sheeting

Last Revised: 7/8/2015

Product	Name	Ref. No.
FORTC 15	Fortifiber Corporation, 511 Highland Drive, Valdosta, GA 31601 <a href="http://www.fortifiber.com/">http://www.fortifiber.com/</a> White Polyethylene Sheeting	1999-180
POLYA 15	Poly-America, Inc., 2000 West Marshall Drive, Grand Prairie, TX 75051 <a href="http://www.poly-america.com/">http://www.poly-america.com/</a> White Polyethylene Sheeting	1986-176

### 711.1(b) Curing and Protecting Covers: White Polyethylene Sheeting-Burlap Backed

Last Revised: 7/8/2015

Product	Name	Ref. No.
MAX-K 15	Max Katz Bag Company, Inc., 235 South Lasalle Street, Indianapolis, IN 46201 <a href="http://www.maxkatzbag.com/">http://www.maxkatzbag.com/</a> White Polyethylene Sheeting, Natural Burlap Backed White Polyethylene Sheeting, Synthetic Burlap Backed	----- 1995-095
MCTG- 15	McTech Group, Inc., 3502 Diversified Drive, Loganville, GA 30052 <a href="http://www.mctechgroup.com/">http://www.mctechgroup.com/</a> White Polyethylene Sheeting, Natural Burlap Backed <i>Conditionally Approved as an alternate: Manufacturer must contact NPI at two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Ultracure 2010-062Q
MIDWC 15	Midwest Canvas Corporation, 4635 West Lake St., Chicago, IL 60644 <a href="http://www.midwestcanvas.com/">http://www.midwestcanvas.com/</a> White Polyethylene Sheeting, Natural Burlap Backed	2000-105Q

### 711.1(c) Curing and Protecting Covers: White Polypropylene Sheeting-Polypropylene Fiber Backed

Last Revised: 7/8/2015

Product	Name	Ref. No.
FORTC 15	Fortifiber Corporation, 511 Highland Drive, Valdosta, GA 31601 <a href="http://www.fortifiber.com/">http://www.fortifiber.com/</a> White Polypropylene Sheeting, Polypropylene Fiber Backed	1999-020

### 711.1(d) Curing and Protecting Covers: Burlap

Last Revised: 7/8/2015



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## Section 711: Concrete Curing Material and Admixtures

### 711.1(d) Curing and Protecting Covers: Burlap

Last Revised: 7/8/2015

	Product	Name	Ref. No.
ABITC 15	Abitec, Inc., 105 Grove Circle, Chalfont, PA 18914 Burlap		1999-191Q
ACEBB 15	Ace Bag & Burlap Company, 205 Water Street, Brooklyn, NYC, NY 11201 Burlap	<a href="http://www.ace-bag.com/">http://www.ace-bag.com/</a>	1992-046
AMEES 15	Amee Sales, Inc., 55 West 39th Street, New York, NY 10018 Burlap		1992-274A
BAG-P 15	Bag Processors, Inc., 325 W. Allen Street, Mechanicsburg, PA 17055 Burlap	<a href="http://www.bag-pro.com/">http://www.bag-pro.com/</a>	1983-106
G&GF0 15	G. & G. Fabricating Co., 930 Henderson Blvd., #12, Folcroft, PA 19032 Burlap	<a href="http://gandgstamping.com/">http://gandgstamping.com/</a>	----
INDVA 15	Indian Valley Industries, Inc., 100 Corliss Avenue, Johnson City, NY 13790 Burlap		1994-100
MAX-K 15	Max Katz Bag Company, Inc., 235 South Lasalle Street, Indianapolis, IN 46201 Burlap	<a href="http://www.maxkatzbag.com/">http://www.maxkatzbag.com/</a>	----

### 711.1(e) Curing and Protecting Covers: Insulating Mats

Last Revised: 7/8/2015

	Product	Name	Ref. No.
MIDWC 15	Midwest Canvas Corporation, 4635 West Lake St., Chicago, IL 60644 Insulating Mat	<a href="http://www.midwestcanvas.com/">http://www.midwestcanvas.com/</a>	2000-107Q

### 711.1(f) Curing and Protecting Covers: Foam Insulation

Last Revised: 7/8/2015

	Product	Name	Ref. No.
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## Section 711: Concrete Curing Material and Admixtures

### 711.1(f) Curing and Protecting Covers: Foam Insulation

Last Revised: 7/8/2015

Product	Name	Ref. No.
<b>OWENC 15</b> Owens Corning, One Owens Corning Parkway, Toledo, OH 43659 <a href="http://www.owenscorning.com/">http://www.owenscorning.com/</a>		
Foam Insulation	Foamular 1000	2002-005Q
Foam Insulation	Foamular 150	2002-005Q
Foam Insulation	Foamular 250	2002-005Q
Foam Insulation	Foamular 400	2002-005Q
Foam Insulation	Foamular 600	2002-005Q
<b>PACTV 15</b> Kingspan Insulation LLC, 2100 RiverEdge Parkway, Suite 175, Atlanta, GA 30328 <i>Formerly Pactiv Building Products</i>		
Foam Insulation	Amofoam CM (0.5" thick)	1990-359A
Foam Insulation	Amofoam CM (1" thick)	1990-359B
Foam Insulation	Amofoam CM (1.5" thick)	1990-359C
Foam Insulation	Amofoam CM (2" thick)	1990-359D
Foam Insulation	Amofoam CM (2.5" thick)	1990-359E
Foam Insulation	Amofoam CM (3" thick)	1990-359F

### 711.2(a) Concrete Curing Compound: Clear or White

Last Revised: 7/8/2015

Product	Name	Ref. No.
<b>CHEMM 15</b> Chem Masters, 300 Edward Street, Madison, OH 44057 <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a>		
Liquid Membrane-Forming Curing Compound, Clear Type 1-D	Safe-Cure	1989-076
Liquid Membrane-Forming Curing Compound, Clear Type 1-D	Safe-Cure and Seal EPX	1999-217Q
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Safe-Cure 2000	1989-044
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Safe-Cure 800	1989-043



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## Section 711: Concrete Curing Material and Admixtures

### 711.2(a) Concrete Curing Compound: Clear or White

Last Revised: 7/8/2015

Product	Name	Ref. No.
<b>DAYT1 15</b> Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
Liquid Membrane-Forming Curing Compound, Clear Type 1-D	Clear Resin Cure J11W	1994-070
Liquid Membrane-Forming Curing Compound, Clear Type 1-D	DSSCC Clear Wax Cure	2000-102Q
Liquid Membrane-Forming Curing Compound, Clear Type 1-D, Translucent/Red Fugitive Dye	Resin Cure with Dye J11W	1985-200
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	White Resin Cure J10W	----
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	White Wax Cure J9A	2000-101Q
<b>EUCLD 15</b> Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>		
Liquid Membrane-Forming Curing Compound, Clear Type 1-D, Translucent/Red Fugitive Dye	Tammsecure WB 30D	2001-140Q
<b>KAUFM 15</b> Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131 <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
Liquid Membrane-Forming Curing Compound, Clear Type 1-D	Thinfilm-420	----
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Thinfilm-445 (Wax Based)	1989-147
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Thinfilm-450	----
<b>L&amp;MCC 15</b> L&M Construction Chemicals, Inc., 14851 Calhoun Road, Omaha, NE 68152 <a href="http://www.lmcc.com/">http://www.lmcc.com/</a>		
Liquid Membrane-Forming Curing Compound, Clear Type 1-D	Cure R	1994-187
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Cure R-2	1994-188
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Cure W-2 (Wax Based)	1994-162
<b>MEDW0 15</b> W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Sealtight 1200	1988-251
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Sealtight 1250	1992-076
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Sealtight 1600	1988-252
Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Sealtight 2255 White	2013-115Q



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## Section 711: Concrete Curing Material and Admixtures

### 711.2(a) Concrete Curing Compound: Clear or White

Last Revised: 7/8/2015

	Product	Name	Ref. No.
MEDW1 15	W. R. Meadows, Inc., 2100 Monroe Street, P. O. Box 7550, York, PA 17404-0550 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Liquid Membrane-Forming Curing Compound, Clear Type 1-D, Translucent/Red Fugitive Dye	Sealtight 1100	2013-128Q
	Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Sealtight 1200	1988-251
	Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Sealtight 1600	1988-252
RTPTC 15	Right Pointe Company, 234 Harvestore Drive, Dekalb, IL 60115 <a href="http://www.rightpointe.com/">http://www.rightpointe.com/</a>		
	Liquid Membrane-Forming Curing Compound, Clear Type 1-D	Clear Water Resin	2004-052Q
	Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	White Water Resin	2004-051Q
	Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	White Water Wax WP	2003-033Q
SPECH 15	SpecChem, LLC, 1619 Walnut Street, Kansas City, MO 64108 <a href="http://specchemllc.com/">http://specchemllc.com/</a>		
	Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Pavecure WW	2014-150Q
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a>		
	Liquid Membrane-Forming Curing Compound, Clear Type 1-D	Certi-Vex AC 1315	2000-069Q
	Liquid Membrane-Forming Curing Compound, Clear Type 1-D, Translucent/Red Fugitive Dye	Certi-Vex Envio RC 1000	2002-126Q
	Liquid Membrane-Forming Curing Compound, Clear Type 1-D, Translucent/Red Fugitive Dye	Envio Cure Clear 500	2000-067Q
	Liquid Membrane-Forming Curing Compound, White Pigmented, Type 2	Envio Cure White 500	2000-068Q

### 711.2(b) Concrete Curing Compound: Black

Last Revised: 7/8/2015

	Product	Name	Ref. No.
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a>		
	Liquid Membrane-Forming Curing Compound, Black Emulsified Asphalt	Envio Cure Asphalt	2000-070Q

### 711.2(c) Concrete Curing Compound: Bridge Deck Intermediate

Last Revised: 7/8/2015



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## Section 711: Concrete Curing Material and Admixtures

### 711.2(c) Concrete Curing Compound: Bridge Deck Intermediate

Last Revised: 7/8/2015

	Product	Name	Ref. No.
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 Bridge Deck Intermediate Curing Compound	<a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> MasterKure ER-50 (Formerly: Confilm)	1974-038
CHEMM 15	Chem Masters, 300 Edward Street, Madison, OH 44057 Bridge Deck Intermediate Curing Compound	<a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a> Spray-Film	1990-186
DAYT1 15	Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106 Bridge Deck Intermediate Curing Compound <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> AquaFilm Concentrate J74 (formerly Sure Film J74)	1999-206
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 Bridge Deck Intermediate Curing Compound	<a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Euco-Bar	1988-088
KAUFM 15	Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131 Bridge Deck Intermediate Curing Compound	<a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a> Vapor Aid	1993-046
L&MCC 15	L&M Construction Chemicals, Inc., 14851 Calhoun Road, Omaha, NE 68152 Bridge Deck Intermediate Curing Compound	<a href="http://www.lmcc.com/">http://www.lmcc.com/</a> E-Con	1990-176B
MEDW1 15	W. R. Meadows, Inc., 2100 Monroe Street, P. O. Box 7550, York, PA 17404-0550 Bridge Deck Intermediate Curing Compound <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a> Evapre	1998-182
SIKA2 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 Lyndhurst, NJ Bridge Deck Intermediate Curing Compound <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://usa.sika.com/">http://usa.sika.com/</a> SikaFilm	2000-130
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 Bridge Deck Intermediate Curing Compound <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://www.vexcon.com/">http://www.vexcon.com/</a> Certi-Vex Envio Assist	2010-148Q



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8/30/2015 10:00:45PM

## Section 711: Concrete Curing Material and Admixtures

### 711.3 Concrete Admixtures

Last Revised: 7/8/2015

Product	Name	Rec. Dosage	Ref. No.
BAS-0 15 Facility	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> 23700 Chagrin Blvd. Cleveland, OH 44122		
Accelerating (Type C) Admixture	MasterSet AC 122 (Pozzolith 122HE)		1978-030
<i>For use in non-reinforced concrete only.</i>			
Accelerating (Type C) Admixture	MasterSet AC 534 (Pozzolith NC 534)		1997-153
Accelerating (Type C) Admixture	MasterSet FP 20 (Pozzutec 20+)		2002-018Q
Air Entraining Admixture	MasterAir AE 200 (Micro-Air)		1984-185
Air Entraining Admixture	MasterAir AE 90 (MB AE 90)		1994-011
Air Entraining Admixture	MasterAir VR 10 (MB-VR Standard) (Pave-Air)		----
Air Entraining Admixture	MasterAir VR 20 (MB-VR Concentrated)		----
Air Entraining Admixture	MasterCell 25 (Rheocell/Rheofill)		1999-132Q
<i>Flowable fill only.</i>			
Air Entraining Admixture	MasterCell 30 (Rheocell 30)		2006-024Q
<i>Flowable fill only.</i>			
High Range Water Reducing (Type F) Admixture	MasterGlenium 3030 (Glenium 3030)		2001-188Q
High Range Water Reducing (Type F) Admixture	MasterGlenium 3400 (Glenium 3400 NV)		2004-094Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	MasterPolyheed 1020 (Polyheed 1020)		2004-043Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			



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BAS-0 15 Facility	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> 23700 Chagrin Blvd. Cleveland, OH 44122		
High Range Water Reducing (Type F) Admixture	MasterPolyheed 1025 (PolyHeed 1025)		2003-142Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	MasterRheobuild 1000 (Rheobuild 1000)		1986-373
High Range Water Reducing (Type F) Admixture	PS 1466		2005-136Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Retarding (Type B) Admixture	MasterPozzolith 200 (Pozzolith 200-N)		2000-142Q
Retarding (Type B) Admixture	MasterSet R 100 (Pozzolith 100-XR)		1969-013
Retarding (Type B) Admixture	MasterSet R 122 (Pozzolith 122-R)		1975-014
Retarding (Type B) Admixture	MasterSet R 300 (Pozzolith 300-R)		1974-031
Water Reducing (Type A) Admixture	MasterGlenium 3030 (Glenium 3030)		2002-034Q
Water Reducing (Type A) Admixture	MasterPolyheed 100 (Polyheed FC 100)		2006-068Q
Water Reducing (Type A) Admixture	MasterPolyheed 1020 (PolyHeed 1020)		2004-138Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	MasterPolyheed 1025 (PolyHeed 1025)		2003-142Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	MasterPolyheed 900 (Polyheed 900)		2003-187Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			





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Product	Name	Rec. Dosage	Ref. No.
BAS-0 15 Facility	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> 23700 Chagrin Blvd. Cleveland, OH 44122		
Water Reducing (Type A) Admixture	MasterPolyheed 997 (Polyheed 997)		1990-336
Water Reducing (Type A) Admixture	MasterPozzolith 200 (Pozzolith 200-N)		1975-066
Water Reducing (Type A) Admixture	MasterPozzolith 322 (Pozzolith 322-N)		1991-049
Water Reducing (Type A) Admixture	MasterPozzolith 80 (Pozzolith 80)		2001-024Q
Water Reducing (Type A) Admixture	MasterSet FP 20 (Pozzutec 20+)		2002-018Q
Water Reducing (Type A) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	PS 1466		2005-098Q
Water Reducing (Type A) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Rhcomix 730 FCS (Precast Only)		2000-320Q
Water Reducing/Retarding (Type D) Admixture	MasterPozzolith 200 (Pozzolith 200-N)		2000-142Q
Water Reducing/Retarding (Type D) Admixture	MasterPozzolith 80 (Pozzolith 80)		2001-024Q
Water Reducing/Retarding (Type D) Admixture	MasterSet Delvo (Delvo Stabilizer)		1995-071



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Product	Name	Rec. Dosage	Ref. No.
<b>BAS-1 15</b>			
<b>Plant</b>	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Allentown, PA		
High Range Water Reducing (Type F) Admixture	MasterGlenium 7500 (Glenium 7500)		2007-118Q
High Range Water Reducing (Type F) Admixture	MasterGlenium 7710 (Glenium 7710)		2009-083Q
Water Reducing (Type A) Admixture	MasterGlenium 7500 (Glenium 7500)		2007-118Q
<b>BAS-1015</b>			
<b>Plant</b>	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Lancaster, TX		
High Range Water Reducing (Type F) Admixture	MasterGlenium 7700 (Glenium 7700)		2007-119Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	MasterPolyheed 1720 (Polyheed 1720)		2010-145QB
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	MasterPolyheed 1720 (Polyheed 1720)		2010-145QA
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
<b>BAS-1215</b>			
<b>Plant</b>	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Reynolds, GA		
Retarding (Type B) Admixture	MasterSet R 961 (Pozzolith 961R)		2010-302Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Water Reducing/Retarding (Type D) Admixture	MasterSet R 961 (Pozzolith 961R)		2010-303Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			



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Product	Name	Rec. Dosage	Ref. No.
<b>BAS-2 15</b> Plant	<b>BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a></b>		
Gurnee, IL			
High Range Water Reducing (Type F) Admixture	MasterGlenium 7511 (PS 1583)		2011-253QB
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	MasterGlenium 7700 (Glenium 7700)		2008-100Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	MasterGlenium 7511 (PS 1583)		2011-253QA
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
<b>BAS-3 15</b> Plant	<b>BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a></b>		
Tipp City, OH			
Air Entraining Admixture	MasterAir AE 400 (EverAIR Plus)		2009-143Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	MasterPolyheed 1725 (Polyheed 1725)		2010-212QB
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	MasterPolyheed 1725 (Polyheed 1725)		2010-212QA
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
<b>BASFC 15</b>	<b>BASF Corporation, 370 Frankfort Road, Monaca, PA 15061 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a></b>		
Latex Emulsion Admixture	Styrofan 1186		2009-129Q



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Product	Name	Rec. Dosage	Ref. No.
<b>CELLC 15</b>	<b>Cellular Concrete, LLC, 421 Schantz Road, Allentown, PA 18104 <a href="http://www.cellularconcreteinc.com/">http://www.cellularconcreteinc.com/</a></b>		
Air Entraining Admixture <i>Flowable fill only.</i>	Forta GoldenAir		2002-139Q
<b>CHRYC 15</b>	<b>Chryso, Inc., 1611 Hwy. 276, Rockwell, TX 75032 <a href="http://us.chryso.com/index.php">http://us.chryso.com/index.php</a></b>		
Accelerating (Type C) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Chryso TurboCast NCT		2012-227Q
Air Entraining Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Chryso Air 260		2012-226Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Chryso Fluid Optima 256		2012-225Q
<b>DOWRE 15</b>	<b>Dow Reichhold Specialty Latex, P. O. Box 13906, Research Triangle Park, NC 27709 <a href="http://www.reichhold.com/">http://www.reichhold.com/</a></b>		
Latex Emulsion Admixture	Tylac 97314-00		1990-287



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Product	Name	Rec. Dosage	Ref. No.
<b>EUCLD 15</b>	<b>Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a></b>		
Accelerating (Type C) Admixture	Accelguard 80		1989-118
Accelerating (Type C) Admixture	Accelguard NCA	12 to 13.32 oz/cwt	2015-060QB
Air Entraining Admixture	AEA-92S		2006-080Q
Air Entraining Admixture	Air Mix 200		1995-005
Air Entraining Admixture	Eucon AEA-92		1993-024
Air Entraining Admixture	Eucon Air Mac 12		2012-204Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Air Entraining Admixture	Eucon Air-Mix		1975-080
Air Entraining Admixture	Eucon Easy Fill		2015-056Q
<i>For use in flowable fill only.</i>			
High Range Water Reducing (Type F) Admixture	Eucon 1037		2003-067Q
High Range Water Reducing (Type F) Admixture	Eucon 37		1980-023
High Range Water Reducing (Type F) Admixture	Eucon MR		2012-220QB
High Range Water Reducing (Type F) Admixture	Plastol 341		2004-081Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	Plastol 5000		2002-148Q
High Range Water Reducing (Type F) Admixture	Plastol 6400	3 to 12 oz/cwt	2015-071Q
High Range Water Reducing (Type F) Admixture	Plastol 6420		2012-209QB
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
High Range Water Reducing/Retarding (Type G) Admixture	Eucon 537		1991-282
Retarding (Type B) Admixture	Eucon 75		----
Retarding (Type B) Admixture	Eucon W.O.		2015-061QB
<i>Do not use for prestressed concrete members. Exceeds the limits of chloride ion concentration per AASHTO LRFD Construction Specifications, Section 8 'Concrete Structures' and Publication 408, Section 711.3(a).</i>			
Water Reducing (Type A) Admixture	Eucon MR		2012-220QA
Water Reducing (Type A) Admixture	Eucon WR		----
Water Reducing (Type A) Admixture	Plastol 341		2010-165Q
Water Reducing (Type A) Admixture	Plastol 6420		2012-209QA



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Product	Name	Rec. Dosage	Ref. No.
<b>EUCLD 15</b>			
Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing and Accelerator (Type E) Admixture	Accelguard NCA	13.33 to 75(+) oz/cwt	2015-060QA
Water Reducing/Retarding (Type D) Admixture	Eucon W.O.		2015-061QA
<i>Do not use for prestressed concrete members. Exceeds the limits of chloride ion concentration per AASHTO LRFD Construction Specifications, Section 8 'Concrete Structures' and Publication 408, Section 711.3(a).</i>			
Water Reducing/Retarding (Type D) Admixture	Eucon WR-91		1993-023
<b>FABRO 15</b>			
Fabpro Oriented Polymers, LLC, 100 Fabpro Way, Kingman, KS 67068 <a href="http://www.fabpropolymers.com/">http://www.fabpropolymers.com/</a>			
Monofilament or Collated Fibrillated Synthetic Fiber Admixture	MasterFiber F70	1.5 lbs/cy	2013-045Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Monofilament or Collated Fibrillated Synthetic Fiber Admixture	MasterFiber M100	0.5 lbs/cy	2013-047Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Monofilament or Collated Fibrillated Synthetic Fiber Admixture	MasterFiber M70	1.0 lbs/cy	2013-046Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Monofilament or Collated Fibrillated Synthetic Fiber Admixture	MasterFiber MAC 100	3.0 lbs/cy	2013-048Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
<b>FRITZ 15</b>			
Fritz-Pak Corporation, 4821 Eastover Circle, Mesquite, TX 75149 <a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a>			
Air Entraining Admixture	Sika Lightcrete Powder		2013-205Q
<i>For use in flowable fill only.</i>			



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Product	Name	Rec. Dosage	Ref. No.
<b>GENRT 15</b>	<b>General Resource Technology, 2978 Center Court, Eagan, MN 55121-1257</b>		
Accelerating (Type C) Admixture	Polychem Super Set		1995-218
Water Reducing (Type A) Admixture	Polychem Super Set		1995-218



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Product	Name	Rec. Dosage	Ref. No.
GRACO 15 Facility	W. R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140-1692 <a href="https://grace.com/en-us">https://grace.com/en-us</a> 62 Whittemore Ave. Cambridge, MA 02140-1692		
Accelerating (Type C) Admixture <i>For non-reinforced concrete only.</i>	Daraccel		1983-257
Accelerating (Type C) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	DCI		1998-147
Accelerating (Type C) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Lubricon NCA		2000-146Q
Accelerating (Type C) Admixture	Polar Set		1995-040
Air Entraining Admixture <i>For use in flowable fill only.</i>	Darafill		1997-148
Air Entraining Admixture	Daravair 1000		1995-041
Air Entraining Admixture	Daravair 1400		1995-220
Air Entraining Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Daravair AT60		1997-048
Air Entraining Admixture	Daravair M		1981-040
Air Entraining Admixture	Darex AEA		1980-049
Air Entraining Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Darex EH AEA		2003-184Q
Air Entraining Admixture	Darex II AEA		1993-207
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	ADVA 140		2002-119Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	ADVA Cast 530		2002-045Q
High Range Water Reducing (Type F) Admixture	Daracem 100		1984-179
High Range Water Reducing (Type F) Admixture	Daracem 19		1979-028
Retarding (Type B) Admixture	Daratard HC		----
Water Reducing (Type A) Admixture <i>For non-reinforced concrete only.</i>	Daraccel		1983-257





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<b>GRAC0 15</b> Facility	W. R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140-1692 <a href="https://grace.com/en-us">https://grace.com/en-us</a> 62 Whittemore Ave. Cambridge, MA 02140-1692		
Water Reducing (Type A) Admixture	Daracem 55		1995-039
Water Reducing (Type A) Admixture	WRDA 20	2.5 oz/cwt	1988-231
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
Water Reducing (Type A) Admixture	WRDA 35		1998-001
Water Reducing (Type A) Admixture	WRDA 82		1991-167
Water Reducing (Type A) Admixture	WRDA/Hycol		1982-121
Water Reducing and Accelerator (Type E) Admixture	Lubricon NCA		2000-146Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing/Retarding (Type D) Admixture	Daratard 17		1974-037
<b>GRAC2 15</b> Plant	W.R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140-1692 <a href="https://grace.com/en-us">https://grace.com/en-us</a> North Bergen, NJ		
Water Reducing (Type A) Admixture	ADVA 140M		2012-101Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing/Retarding (Type D) Admixture	Recover		2012-100Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing/Retarding (Type D) Admixture	WRDA 20	4.0 oz/cwt	2009-186Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
Water Reducing/Retarding (Type D) Admixture	Zyla R		2012-173QB
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			



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### 711.3 Concrete Admixtures

Last Revised: 7/8/2015

Product	Name	Rec. Dosage	Ref. No.
GRAC3 15 Plant	W.R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140 <a href="https://grace.com/en-us">https://grace.com/en-us</a> Chicago, IL		
High Range Water Reducing (Type F) Admixture <i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>	ADVA 140M	9-16 oz/cwt	2013-091QA
Water Reducing (Type A) Admixture <i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>	ADVA 140M	2-5 oz/cwt	2013-091QB
Water Reducing/Retarding (Type D) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Recover		2013-093Q



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### 711.3 Concrete Admixtures

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Product	Name	Rec. Dosage	Ref. No.
<b>GRAC5 15</b> Plant	W.R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140 <a href="https://grace.com/en-us">https://grace.com/en-us</a> Houston, TX		
Accelerating (Type C) Admixture	Daraset 400		2007-093Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	ADVA 140M		2009-064Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	ADVA 190 Type F		2008-202Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	ADVA Cast 555		2007-032Q
High Range Water Reducing (Type F) Admixture <i>Do not use for prestressed concrete members. Exceeds the limits of chloride ion concentration per AASHTO LRFD Construction Specifications, Section 8 'Concrete Structures' and Publication 408, Section 711.3(a).</i>	ADVA Cast 575		2007-065Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	ADVA Cast 600		2010-157Q
High Range Water Reducing (Type F) Admixture <i>Do not use for prestressed concrete members. Exceeds the limits of chloride ion concentration per AASHTO LRFD Construction Specifications, Section 8 'Concrete Structures' and Publication 408, Section 711.3(a).</i>	EXP 950		2009-145Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Mira 92		2006-156Q
Water Reducing (Type A) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Mira 92		2006-156Q
<b>GRAC6 15</b> Plant	W.R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140 <a href="https://grace.com/en-us">https://grace.com/en-us</a> Augusta, GA		
Accelerating (Type C) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	DCI		2010-102QB
Accelerating (Type C) Admixture	Polar Set		2010-102QA



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### 711.3 Concrete Admixtures

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<b>GRAC8 15</b> Plant	<b>W.R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140 <a href="https://grace.com/en-us">https://grace.com/en-us</a></b> <b>Lithonia, GA</b>		
Air Entraining Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Darex AEA		2010-103QA
Air Entraining Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Darex II AEA		2010-103QE
Water Reducing (Type A) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Daraccel		2010-103QB
Water Reducing (Type A) Admixture	Zyla 640		2012-174Q
<b>GREET 15</b>	<b>Great Eastern Technologies, LLC, 4407 Broad Street, Yardville, NJ 08620 <a href="http://www.greatearterntechnologies.com/">http://www.greatearterntechnologies.com/</a></b>		
Air Entraining Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Setcon 6A		2012-091Q
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Polystrong		2012-070QC
High Range Water Reducing (Type F) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Polystrong HP		2012-070QD
Water Reducing/Retarding (Type D) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Chemstrong R		2006-174Q
<b>MINRD 15</b>	<b>Mineral Research &amp; Development, 5910 Pharr Mill Road, Harrisburg, NC 28075-8625 <a href="http://www.mrdc.com/">http://www.mrdc.com/</a></b>		
Accelerating (Type C) Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Sika CNI		2010-267Q



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### 711.3 Concrete Admixtures

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Product	Name	Rec. Dosage	Ref. No.
PRECA 15	Premiere Concrete Admixtures, 508 Cedar Street, Pioneer, OH 43554 <a href="http://www.premiereadmix.com/">http://www.premiereadmix.com/</a>		
Accelerating (Type C) Admixture	NitroCast K		2011-170Q
Accelerating (Type C) Admixture	NitroCast NC		2011-178Q
Air Entraining Admixture	Conair		2011-243Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Air Entraining Admixture	Conair 260		2011-244Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	EcoFlo Green		2011-174QB
High Range Water Reducing (Type F) Admixture	UltraFlo 2000		2010-167QA
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	UltraFlo 4600		2010-174Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	UltraFlo DP		2011-175Q
Water Reducing (Type A) Admixture	EcoFlo Green		2011-174QA
Water Reducing (Type A) Admixture	OptiFlo 50		2011-169Q
Water Reducing (Type A) Admixture	OptiFlo MR		2011-166Q
Water Reducing (Type A) Admixture	OptiFlo Plus		2011-165Q
Water Reducing (Type A) Admixture	UltraFlo 2000		2010-167QB
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Water Reducing/Retarding (Type D) Admixture	OptiFlo 100R		2011-177Q
Water Reducing/Retarding (Type D) Admixture	OptiFlo Renu		2011-176Q



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### 711.3 Concrete Admixtures

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Product	Name	Rec. Dosage	Ref. No.
<b>SIKA0 15</b>	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
<b>Facility</b>	2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Cresent, DE55 7RA		
Accelerating (Type C) Admixture	SikaSet NC		2000-271Q
Air Entraining Admixture	Sika Air		2000-061Q
Early Strength Accelerator Admixture	Sika Rapid 1		1996-138
Grout Fluidifier Admixture	IntraPlast-N		1974-028
High Range Water Reducing (Type F) Admixture	Sikament 686		2005-031Q
High Range Water Reducing (Type F) Admixture	ViscoCrete 2100	2.5 to 6.0 oz/cwt	2004-142Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
High Range Water Reducing (Type F) Admixture	ViscoCrete 6100		2003-032Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	Sikament 686		2005-031Q



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### 711.3 Concrete Admixtures

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Product	Name	Rec. Dosage	Ref. No.
SIKA3 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Fairless Hills, PA		
Accelerating (Type C) Admixture	SikaSet NC		2003-164Q
Air Entraining Admixture	Sika AEA 14		2004-141Q
Air Entraining Admixture	Sika AER-C	Up to 1.5 oz/cwt	2012-138Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Air Entraining Admixture	Sika Air 260	Up to 6.0 oz/cwt	2012-139Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
Air Entraining Admixture	Sika Air 360	Up to 6.0 oz/cwt	2012-140Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
High Range Water Reducing (Type F) Admixture	Sikament 610		2010-274QA
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	Sikament AFM		2006-193Q
High Range Water Reducing (Type F) Admixture	Sikament SPMN	Up to 40.0 oz/cwt	2012-136QB
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
High Range Water Reducing (Type F) Admixture	Sikaplast 500		2009-002QB
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
High Range Water Reducing (Type F) Admixture	ViscoCrete 1000		2012-028B
Retarding (Type B) Admixture	Plastiment		2009-032QA
Retarding (Type B) Admixture	Sikatard 440		2011-195Q
Water Reducing (Type A) Admixture	PlastoCrete 100		2012-218Q



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### 711.3 Concrete Admixtures

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Product	Name	Rec. Dosage	Ref. No.
SIKA3 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Fairless Hills, PA		
Water Reducing (Type A) Admixture	PlastoCrete 10N	1.5 to 3.0 oz/cwt	2012-137QA
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
Water Reducing (Type A) Admixture	Plastocrete 161		2012-221Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	Sikament AFM		2008-031Q
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	Sikaplast 200	Up to 12.0 oz/cwt	2012-132Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
Water Reducing (Type A) Admixture	Sikaplast 300 GP	Up to 12.0 oz/cwt	2012-134Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	Sikaplast 500		2009-002QA
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing (Type A) Admixture	ViscoCrete 2100	1.0 to 3.5 oz/cwt	2008-032Q
<i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>			
Water Reducing and Accelerator (Type E) Admixture	SikaSet NC		2003-164Q
Water Reducing/Retarding (Type D) Admixture	Plastiment		2009-032QB
Water Reducing/Retarding (Type D) Admixture	PlastoCrete 10N	3.0 to 5.0 oz/cwt	2012-137QC





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### 711.3 Concrete Admixtures

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Product	Name	Rec. Dosage	Ref. No.
<b>SIKA3 15</b> <b>Plant</b> Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Fairless Hills, PA  <i>Dosages outside the "recommended dosage" may be necessary to meet specific mix design requirements. The manufacturer should be contacted in these situations.</i> <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
<b>SPCRT 15</b> Specrete-IP, Inc., 10703 Quebec Ave., Cleveland, OH 44106 <a href="http://specrete.com/">http://specrete.com/</a> Grout Fluidifier Admixture Grout Fluidifier Admixture Grout Fluidifier Admixture Grout Fluidifier Admixture	Intrusion-Aid C Intrusion-Aid DSC Intrusion-Aid LS Intrusion-Aid R		1969-010 1969-010 1969-010 1969-010
<b>TRINO 15</b> <b>Facility</b> Trinseo, LLC, 1000 Chesterbrook Blvd, Suite 300, Berwyn, PA 19312 <a href="http://www.trinseo.com/">http://www.trinseo.com/</a> 1000 Chesterbrook Blvd, Suite 300 Berwyn, PA 19312 Latex Emulsion Admixture	Trinseo Modifier A/NA Latex		2013-022Q
<b>USGY1 15</b> U. S. Gypsum Company, Industrial Products, 125 South Franklin Street, Chicago, IL 60606-4678 Air Entraining Admixture	Duracal		1971-073

### 711.3(f) Concrete Admixtures: Specific Performance

Last Revised: 7/8/2015

Product	Name	Ref. No.
<b>ASH-0 15</b> Ashland Aqualon, 1313 North Market Street, Wilmington, DE 19814 <a href="http://www.ashland.com/">http://www.ashland.com/</a> Anti-Washout Admixture Viscosity Modifying Admixture	MasterMatrix UW 450 (Rheomac UW 450) MasterMatrix VMA 450 (Rheomac VMA 450)	2011-196 2011-251



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### 711.3(f) Concrete Admixtures: Specific Performance

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	Product	Name	Ref. No.
BAS-0 15 Facility	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> 23700 Chagrin Blvd. Cleveland, OH 44122 Waterproofing Admixture	MasterPel 240 (Rheomix Rheopel)	1999-050Q
BAS-1 15 Plant	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Allentown, PA Specific Performance Workability Retention Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	MasterSure Z 60 (RheoTEC Z-60)	2010-184Q
BAS-1115 Plant	BASF Construction Chemicals, LLC, Admixtures Div., 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Newark, CA Waterproofing Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	MasterLife 300D (Rheomac 300D)	2010-053Q
BAS-2 15 Plant	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Gurnee, IL Specific Performance Workability Retention Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	MasterSure Z 60 (RheoTEC Z-60)	2009-116Q
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Viscosity Modifying Admixture	Visctrol	2012-062Q
FMCLD 15	FMC Corporation, Lithium Division, 2801 Yorkmont Road, Suite 300, Charlotte, NC 28208 <a href="http://www.fmclithium.com/">http://www.fmclithium.com/</a> Lithium Admixture for Alkali Silica Reactivity Remediation Lithium Admixture for Alkali Silica Reactivity Remediation	Lifetime (TM) N Lifetime (TM) SL	1999-058Q 1999-059Q



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### 711.3(f) Concrete Admixtures: Specific Performance

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	Product	Name	Ref. No.
GRAC0 15 Facility	W. R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140-1692 <a href="https://grace.com/en-us">https://grace.com/en-us</a>		
	62 Whittemore Ave. Cambridge, MA 02140-1692		
	Viscosity Modifying Admixture <i>Cannot be used as an anti-washout admixture.</i>	V-Mar 3	2003-061Q
	Waterproofing Admixture	Darapel	1996-164
IPA-S 15	IPA Systems, Inc., 2745 North Amber St., Philadelphia, PA 19134 <a href="http://ipasystems.com/">http://ipasystems.com/</a>		
	Waterproofing Admixture	Ipanex	1991-112
SIKA3 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Fairless Hills, PA		
	Anti-Washout Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Sikament 100SC	2010-274QB
	Viscosity Modifying Admixture	Sika Stabilizer 4R	2010-278Q
TROCH 15	Troy Chemical Industries, Inc., 17040 Rapids Road, P. O. Box 430, Burton, OH 44021 <a href="http://www.troychemical.com/">http://www.troychemical.com/</a>		
	Specialty Workability/Rheology Controlling Admixture <i>For use in precast concrete only.</i> <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	MasterMatrix 33 (Navitas 33)	2013-134Q
	Viscosity Modifying Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	MasterMatrix VMA 358 (Rheomac VMA 358)	2004-087Q
	Viscosity Modifying Admixture <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	MasterMatrix VMA 362 (Rheomac VMA 362)	2004-088Q
XYPEX 15	Xypex Chemical Corporation, 13731 Mayfield Place, Richmond, British Columbia, Canada V6V 2G9 <a href="http://www.xypex.com/">http://www.xypex.com/</a>		
	Waterproofing Admixture	C1000	2002-020Q



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## Section 713: Masonry Units

### 713.1 Brick

Last Revised: 3/13/2015

	Product	Name	Ref. No.
GLNG1 15 Plant	Glen-Gery Corporation, State Route 970, Bigler, PA 16825 <a href="http://www.glengery.com/">http://www.glengery.com/</a> 24 Pinetop Rd Bigler, PA 16825  Brick		2010-159QA
GLNG2 15 Plant	Glen-Gery Corporation, 1090 East Boundary Avenue, York, PA 17403 <a href="http://www.glengery.com/">http://www.glengery.com/</a> York, PA  Brick		2010-159QB
GLNG3 15 Plant	Glen-Gery Corporation, Route 28, Summerville, PA 15864 <a href="http://www.glengery.com/">http://www.glengery.com/</a> Summerville, PA  Brick		2010-159QC
GLNG4 15 Plant	Glen-Gery Corporation, 423 South Pottsville Pike, Shoemakersville, PA 19555 <a href="http://www.glengery.com/">http://www.glengery.com/</a> Shoemakersville, PA  Brick		2010-159QD
REDLA 15	Redland Brick, Inc., Harmar Plant, 375 Rich Hill Road, R.D. #3, Cheswick, PA 15024 <a href="http://www.redlandbrick.com/">http://www.redlandbrick.com/</a>  Brick		1983-172
WATBC 15	Watson town Brick Company, Route 404, P.O. Box 68, Watson town, PA 17777 <a href="http://watson townbrick.com/">http://watson townbrick.com/</a>  Brick		2003-005Q

### 713.2 Precast Concrete Blocks

Last Revised: 3/13/2015

	Product	Name	Ref. No.
BEAVE 15	Beavertown Block Company, Inc., P.O. Box 337, Middleburg, PA 17842-0337 <a href="http://www.beavertownblock.com/">http://www.beavertownblock.com/</a>  Precast Concrete Block		----
CASTL 15	Castle Builders Supply Company, 1409 Moravia Street, New Castle, PA 16101 <a href="http://castlebuilderssupply.com/">http://castlebuilderssupply.com/</a>  Precast Concrete Block		----



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## Section 713: Masonry Units

### 713.2 Precast Concrete Blocks

Last Revised: 3/13/2015

	Product	Name	Ref. No.
DIMLC 15	Dimedio Lime Company, 1801 Federal Street, Camden, NJ 08105 Precast Concrete Block		----
FIZZ0 15	Fizzano Brothers Concrete Products, Inc., 1776 Chester Pike, Crum Lynne, PA 19022 Precast Concrete Block	<a href="http://fizzano.com/">http://fizzano.com/</a>	----
FIZZ1 15 Plant	Fizzano Brothers Concrete Products, Inc., Trevose and Sterner Mill, Trevose, PA 19053 Trevose, PA Precast Concrete Block	<a href="http://fizzano.com/">http://fizzano.com/</a>	----
FIZZ2 15 Plant	Fizzano Brothers Concrete Products, Inc., 201 South Phoenixville Pike, Malvern, PA 19355 201 S. Phoenixville Pike Malvern, PA 19355 Precast Concrete Block	<a href="http://fizzano.com/">http://fizzano.com/</a>	----
NEW-0 15	New Enterprise Stone and Lime Company, Newcrete Products Division, P.O. Box 34, Roaring Spring, PA 16673 Precast Concrete Block	<a href="http://www.nesl.com/">http://www.nesl.com/</a>	----
SIDLY 15	R. W. Sidley, 715 New Castle Road, Slippery Rock, PA 16057 Precast Concrete Block	<a href="http://www.rwsidley.com/">http://www.rwsidley.com/</a>	----
TERH0 15	Terre Hill Concrete Products, P.O. Box 10, Terre Hill, PA 17581 Precast Concrete Block	<a href="http://www.terrehill.com/">http://www.terrehill.com/</a>	----
YORKB 15	York Building Products, Inc., 1020 North Hartley Street, York, PA 17404 Precast Concrete Block	<a href="http://www.yorkbuilding.com/">http://www.yorkbuilding.com/</a>	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 714: Precast Concrete Products

### 714.2 Endwalls

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>ALTFJ 15</b>	<b>Altomare Precast, Inc., 4300 Wissahickon Avenue, Philadelphia, PA 19129 <a href="http://www.altomareprecast.com/">http://www.altomareprecast.com/</a></b>	
	D-Wall	----
	DE-Wall	----
	DW-Wall	----
	ES-Wall	----
	Subsurface Drain Outlet	----
<b>ATLCP 15</b>	<b>Atlantic Concrete Products, Inc., 8900 Old Route 13, Tullytown, PA 19007-1375 <a href="http://www.atlanticconcrete.com/">http://www.atlanticconcrete.com/</a></b>	
	D-Wall	----
	DE-Wall	----
	DW-Wall	----
	ES-Wall	----
<b>BINGH 15</b>	<b>Binghamton Precast and Supply, 18 Phelps Street, Binghamton, NY 13901 <a href="http://www.binghamtonprecast.com/">http://www.binghamtonprecast.com/</a></b>	
	D-Wall	----
	DE-Wall	----
	DW-Wall	----
	ES-Wall	----
<b>BYCRT 15</b>	<b>By-Crete, 517 King Street, RD #1, Lebanon, PA 17042 <a href="http://www.bycrete.com/">http://www.bycrete.com/</a></b>	
	D-Wall	----
	DE-Wall	----
	DW-Wall	----
	ES-Wall	----
	Subsurface Drain Outlet	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 714: Precast Concrete Products

### 714.2 Endwalls

Last Revised: 5/19/2015

	Product	Name	Ref. No.
CONCR 15	Concrete Concepts, Inc., 1095 Thompson Avenue, P.O. Box 272, McKees Rocks, PA 15136 <a href="http://www.concreteconcepts.com/">http://www.concreteconcepts.com/</a>		
	D-Wall		----
	DE-Wall		2003-189Q
	DW-Wall		----
	ES-Wall		2013-042Q
	Sloped Subsurface Drain Outlet		----
	Subsurface Drain Outlet		----
CONTN 15	Continental Concrete Products, Inc., 1 South Grosstown Road, Pottstown, PA 19464 <a href="http://www.continentalconcrete.com/">http://www.continentalconcrete.com/</a>		
	D-Wall		----
	DE-Wall		----
	DW-Wall		----
	ES-Wall		----
	Subsurface Drain Outlet		----
CPPLL 15	Concrete Pipe and Precast, LLC, 401 South Carlisle Street, Greencastle, PA 17225 <a href="http://www.concretepandp.com/">http://www.concretepandp.com/</a> <i>Formerly Advanced Drainage Structures (ADSTR 15)</i>		
	D-Wall		2012-067QA
	DE-Wall		2012-067QB
	DW-Wall		2012-067QC
	ES-Wall		2012-067QD
DIXPS 15	Dixon Precast and Supply, 740 Laurel Run Road, West Decatur, PA 16878		
	D-Wall		2009-177QA
	DE-Wall		2010-315QA
	DW-Wall		2010-315QB
	ES-Wall		2010-315QC
	Sloped Subsurface Drain Outlet		2009-177QC
	Subsurface Drain Outlet		2009-177QB



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## Section 714: Precast Concrete Products

### 714.2 Endwalls

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>EAGLE 15</b>	<b>Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501</b>	
	D-Wall	----
	DE-Wall	2009-089Q
	DW-Wall	2006-148Q
	Sloped Subsurface Drain Outlet	----
	Subsurface Drain Outlet	----
<b>FIHFC 15</b>	<b>Fi-Hoff Concrete Products, Inc., 240 Bentwood Avenue, Johnstown, PA 15904 <a href="http://fi-hoff.com/">http://fi-hoff.com/</a></b>	
	D-Wall	----
<b>MACK0 15</b>	<b>Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a></b>	
	D-Wall	2015-265QA
	DE-Wall	2014-265QB
	Sloped Subsurface Drain Outlet	2009-147QB
	Subsurface Drain Outlet	2009-147QA
<b>MCCAR 15</b>	<b>McCarroll Precast, Inc., 1129 Old 115, Dallas, PA 18612</b>	
	D-Wall	----
	Subsurface Drain Outlet	----
<b>MONAP 15</b>	<b>Monarch Products Company, Inc., 385 Sipe Road, York Haven, PA 17370 <a href="http://www.monarchproducts.net/">http://www.monarchproducts.net/</a></b>	
	D-Wall	----
	DE-Wall	----
	DW-Wall	2011-048Q
	Sloped Subsurface Drain Outlet	2014-108Q
	Subsurface Drain Outlet	2014-107Q
<b>MONPC 15</b>	<b>Monarch Precast Concrete Corporation, 425 North Dauphin Street, Allentown, PA 18109-2199 <a href="http://www.monarchprecast.com/">http://www.monarchprecast.com/</a></b>	
	DW-Wall	----





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## Section 714: Precast Concrete Products

### 714.2 Endwalls

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>OLP-2 15</b>	<b>Oldcastle Precast, 3900 Glover Road, Easton, PA 18040 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a></b> <b>Formerly Modern Precast Concrete (MPCP1 15)</b>	
	D-Wall	2006-184Q
	DE-Wall	2010-079QB
	DW-Wall	2006-186Q
	ES-Wall	2010-079QA
	Subsurface Drain Outlet	----
<b>POLCP 15</b>	<b>Poland Concrete Products, Inc., 210 Overlook Avenue, Hillsville, PA 16132</b>	
	D-Wall	2011-038QA
	DE-Wall	2011-038QB
	DW-Wall	2010-327QF
	ES-Wall	2011-038QC
	Subsurface Drain Outlet	2011-038QD
<b>SCRCR 15</b>	<b>Scranton Craftsmen, Inc., 930 Dunmore Street, Troop, PA 18512 <a href="http://www.scrantoncraftsmen.com/">http://www.scrantoncraftsmen.com/</a></b>	
	D-Wall	2010-106Q
<b>TERH0 15</b>	<b>Terre Hill Concrete Products, P.O. Box 10, Terre Hill, PA 17581 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a></b>	
	D-Wall	2010-203Q
	DE-Wall	2010-203Q
	DW-Wall	2010-203Q
	ES-Wall	2010-203Q
	Subsurface Drain Outlet	2010-203Q



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## Section 714: Precast Concrete Products

### 714.2 Endwalls

Last Revised: 5/19/2015

	Product	Name	Ref. No.
TERH1 15 Plant	Terre Hill Concrete Products, 42 South Butler Road, Lebanon, PA 17042	<a href="http://www.terrehill.com/">http://www.terrehill.com/</a>	
	Lebanon, PA		
	D-Wall		----
	DE-Wall		----
	DW-Wall		----
	ES-Wall		----
	Subsurface Drain Outlet		----
WINEC 15	Wine Concrete Products, Inc., 1000 Big Sewickley Creek Road, Sewickley, PA 15143		
	D-Wall		----
	DW-Wall		----
	Sloped Subsurface Drain Outlet		----
	Subsurface Drain Outlet		2009-167QC

### 714.2 Glare Screen

Last Revised: 5/19/2015

	Product	Name	Ref. No.
CONSS 15	Concrete Safety Systems, LLC, 9190 Old Route 22, Bethel, PA 19507	<a href="http://concretesafety.com/">http://concretesafety.com/</a>	
	52"/50" Glare Screen (RC 59M)		----
EAGLE 15	Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501		
	52"/50" Glare Screen (RC 59M)		----
FADD1 15	Faddis Concrete Products, 3515 Kings Highway, Downingtown, PA 19335	<a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	52"/50" Glare Screen (RC 59M)		2000-275Q
FADD2 15	Faddis Concrete Products, 205 West Washington Street, New Castle, PA 16101	<a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	52"/50" Glare Screen (RC 59M)		----



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## Section 714: Precast Concrete Products

### 714.2 Glare Screen

Last Revised: 5/19/2015

	Product	Name	Ref. No.
FADD3 15	Faddis Concrete Products, 210 Hinterleiter Road, Kutztown, PA 19530 52"/50" Glare Screen (RC 59M)	<a href="http://www.faddis.com/">http://www.faddis.com/</a>	----
FADD4 15	Faddis Concrete Products, 36 North Plum Creek Road, Roaring Spring, PA 16673 <i>Formerly Ellenberger Precast &amp; Supply Inc. (ELLPS 15)</i> 52"/50" Glare Screen (RC 59M)	<a href="http://www.faddis.com/">http://www.faddis.com/</a>	----
GCLI- 15	GCL, Inc., 2559 Brandt School Road, Heritage Center, Suite 200, Wexford, PA 15090 52"/50" Glare Screen (RC 59M)	<a href="http://cambergroup.com/gclinc.htm">http://cambergroup.com/gclinc.htm</a>	----
INTSS 15	Interstate Safety Service, Inc., 1301 Winola Road, Clarks Summit, PA 18411 52"/50" Glare Screen (RC 59M)		----
MACK0 15	Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 52"/50" Glare Screen (RC 59M)	<a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a>	2011-043Q

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

Companies listed to fabricate Inlet Assemblies are approved to provide the corresponding riser and top slab sections.

Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

	Product	Name	Ref. No.
ALTFJ 15	Altomare Precast, Inc., 4300 Wissahickon Avenue, Philadelphia, PA 19129 Inlet, Standard	<a href="http://www.altomareprecast.com/">http://www.altomareprecast.com/</a>	2011-263QD
	Inlet, Type 10		2011-263QK
	Inlet, Type 4		2011-263QE
	Inlet, Type 5		2011-263QF
	Inlet, Type 6		2011-263QG
	Inlet, Type 7		2011-263QH
	Inlet, Type 8		2011-263QI



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

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	Product	Name	Ref. No.
ALTFJ 15	Altomare Precast, Inc., 4300 Wissahickon Avenue, Philadelphia, PA 19129	<a href="http://www.altomareprecast.com/">http://www.altomareprecast.com/</a>	
	Inlet, Type 9		2011-263QJ
ATLCP 15	Atlantic Concrete Products, Inc., 8900 Old Route 13, Tullytown, PA 19007-1375	<a href="http://www.atlanticconcrete.com/">http://www.atlanticconcrete.com/</a>	
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
BINGH 15	Binghamton Precast and Supply, 18 Phelps Street, Binghamton, NY 13901	<a href="http://www.binghamtonprecast.com/">http://www.binghamtonprecast.com/</a>	
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
	Inlet, Type D-H		----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

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	Product	Name	Ref. No.
BYCRT 15	By-Crete, 517 King Street, RD #1, Lebanon, PA 17042 <a href="http://www.bycrete.com/">http://www.bycrete.com/</a>		
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
	Inlet, Type D-H		----
CONCR 15	Concrete Concepts, Inc., 1095 Thompson Avenue, P.O. Box 272, McKees Rocks, PA 15136 <a href="http://www.concreteconcepts.com/">http://www.concreteconcepts.com/</a>		
	Inlet, Standard		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type D-H		2013-043Q
CONTN 15	Continental Concrete Products, Inc., 1 South Grosstown Road, Pottstown, PA 19464 <a href="http://www.continentalconcrete.com/">http://www.continentalconcrete.com/</a>		
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
	Inlet, Type D-H		----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

Companies listed to fabricate Inlet Assemblies are approved to provide the corresponding riser and top slab sections.

Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

	Product	Name	Ref. No.
CPPLL 15	Concrete Pipe and Precast, LLC, 401 South Carlisle Street, Greencastle, PA 17225 <a href="http://www.concretepandp.com/">http://www.concretepandp.com/</a> <i>Formerly Advanced Drainage Structures (ADSTR 15)</i>		
	Inlet, Standard		2012-069QA
	Inlet, Type 10		2012-069QH
	Inlet, Type 4		2012-069QB
	Inlet, Type 5		2012-069QC
	Inlet, Type 6		2012-069QD
	Inlet, Type 7		2012-069QE
	Inlet, Type 8		2012-069QF
	Inlet, Type 9		2012-069QG
DIXPS 15	Dixon Precast and Supply, 740 Laurel Run Road, West Decatur, PA 16878		
	Inlet, Standard		2009-176QA
	Inlet, Type 10		2014-152QC
	Inlet, Type 4		2009-176QB
	Inlet, Type 5		2009-176QC
	Inlet, Type 6		2014-152QA
	Inlet, Type 7		2009-176QD
	Inlet, Type 8		2009-176QE
	Inlet, Type 9		2014-152QB
	Inlet, Type D-H		2009-176QF



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

Companies listed to fabricate Inlet Assemblies are approved to provide the corresponding riser and top slab sections.

Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

	Product	Name	Ref. No.
EAGLE 15	Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501		
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
	Inlet, Type D-H		----
FADD2 15	Faddis Concrete Products, 205 West Washington Street, New Castle, PA 16101 <a href="http://www.faddis.com/">http://www.faddis.com/</a>		
	Inlet, Type 7		----
	Inlet, Type 8		----
FADD4 15	Faddis Concrete Products, 36 North Plum Creek Road, Roaring Spring, PA 16673 <a href="http://www.faddis.com/">http://www.faddis.com/</a> <i>Formerly Ellenberger Precast &amp; Supply Inc. (ELLPS 15)</i>		
	Inlet, Type 7		----
	Inlet, Type 8		----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

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Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

	Product	Name	Ref. No.
FIHFC 15	Fi-Hoff Concrete Products, Inc., 240 Bentwood Avenue, Johnstown, PA 15904 <a href="http://fi-hoff.com/">http://fi-hoff.com/</a>		
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
MACK0 15	Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a>		
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		2010-178QA
	Inlet, Type 5		2010-178QB
	Inlet, Type 6		2010-178QC
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
	Inlet, Type D-H		2010-061QA
MACK1 15	Mack Industries of PA, Inc., P.O. Box 335, Valley City, OH 44280 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a>		
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----





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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

Companies listed to fabricate Inlet Assemblies are approved to provide the corresponding riser and top slab sections.

Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

	Product	Name	Ref. No.
MCCAR 15	McCarroll Precast, Inc., 1129 Old 115, Dallas, PA 18612		
	Inlet, Standard		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type D-H		----
MILL0 15	A. C. Miller Concrete Products, P.O. Box 93, Route 22, Blairsville, PA 15717 <a href="http://www.acmiller.com/">http://www.acmiller.com/</a>		
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
Inlet, Type 9		----	
MILL1 15	A. C. Miller Concrete Products, P.O. Box 199, Bridge Street, Spring City, PA 19475 <a href="http://www.acmiller.com/">http://www.acmiller.com/</a>		
	Inlet, Type 10		2010-068Q
	Inlet, Type 4		2010-068Q
	Inlet, Type 5		2010-068Q
	Inlet, Type 6		2010-068Q
	Inlet, Type 7		2010-068Q
	Inlet, Type 8		2010-068Q
	Inlet, Type 9		2010-068Q



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

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Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

Product	Name	Ref. No.
<b>MONAP 15</b>	<b>Monarch Products Company, Inc., 385 Sipe Road, York Haven, PA 17370 <a href="http://www.monarchproducts.net/">http://www.monarchproducts.net/</a></b>	
Inlet, Standard		----
Inlet, Type 10		----
Inlet, Type 4		----
Inlet, Type 5		----
Inlet, Type 6		----
Inlet, Type 7		----
Inlet, Type 8		----
Inlet, Type 9		----
Inlet, Type D-H		----
<b>MONPC 15</b>	<b>Monarch Precast Concrete Corporation, 425 North Dauphin Street, Allentown, PA 18109-2199 <a href="http://www.monarchprecast.com/">http://www.monarchprecast.com/</a></b>	
Inlet, Standard		----
Inlet, Type 10		----
Inlet, Type 4		----
Inlet, Type 5		----
Inlet, Type 6		----
Inlet, Type 7		----
Inlet, Type 8		----
Inlet, Type 9		----
Inlet, Type D-H		----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

Companies listed to fabricate Inlet Assemblies are approved to provide the corresponding riser and top slab sections.

Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

	Product	Name	Ref. No.
OLP-1 15	Oldcastle Precast, 200 Keystone Drive, Telford, PA 18969	<a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a>	
	Inlet, Standard		2014-231QA
	Inlet, Type 10		2014-231QH
	Inlet, Type 4		2014-231QB
	Inlet, Type 5		2014-231QC
	Inlet, Type 6		2014-231QD
	Inlet, Type 7		2014-231QE
	Inlet, Type 8		2014-231QF
	Inlet, Type 9		2014-231QG
	Inlet, Type D-H		2014-231QI
OLP-2 15	Oldcastle Precast, 3900 Glover Road, Easton, PA 18040	<a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a>	
	<i>Formerly Modern Precast Concrete (MPCP1 15)</i>		
	Inlet, Standard		----
	Inlet, Type 10		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
	Inlet, Type 9		----
	Inlet, Type D-H		----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

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Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

	Product	Name	Ref. No.
POLCP 15	Poland Concrete Products, Inc., 210 Overlook Avenue, Hillsville, PA 16132		
	Inlet, Standard		2010-327QC
	Inlet, Type 4		2011-038QE
	Inlet, Type 5		2011-038QF
	Inlet, Type 6		2011-038QG
	Inlet, Type 8		2011-038QH
PREMC 15	Precast Manufacturing Company, 187 Strykers Road, Phillipsburg, NJ 08865 <a href="http://www.precastmfgco.com/">http://www.precastmfgco.com/</a>		
	Inlet, Standard		2013-050QC
	Inlet, Type 10		----
	Inlet, Type 4		2013-050QD
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 7		----
	Inlet, Type 8		----
RAHN- 15	Rahns Construction Materials Company, 430 Bridge Road, Rahns, PA 19426		
	Inlet, Standard		----
	Inlet, Type 4		----
	Inlet, Type 5		----
	Inlet, Type 6		----
	Inlet, Type 8		----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

Companies listed to fabricate Inlet Assemblies are approved to provide the corresponding riser and top slab sections.

Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

Product	Name	Ref. No.
<b>SCRCR 15</b>	<b>Scranton Craftsmen, Inc., 930 Dunmore Street, Troop, PA 18512 <a href="http://www.scrantoncraftsmen.com/">http://www.scrantoncraftsmen.com/</a></b>	
Inlet, Standard		----
Inlet, Type 4		----
Inlet, Type 5	PA (RC-46M)	2015-036QD
Inlet, Type 6		----
<b>STOCO 15</b>	<b>Stone and Company, 1718 Roseytown Road, Greensburg, PA 15601 <a href="http://stoneconcrete.com/">http://stoneconcrete.com/</a></b>	
Inlet, Standard		2013-213QB
<b>TERH0 15</b>	<b>Terre Hill Concrete Products, P.O. Box 10, Terre Hill, PA 17581 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a></b>	
Inlet, Standard		----
Inlet, Type 4		----
Inlet, Type 5		----
Inlet, Type 6		----
<b>TERH1 15</b>	<b>Terre Hill Concrete Products, 42 South Butler Road, Lebanon, PA 17042 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a></b>	
<b>Plant</b>	<b>Lebanon, PA</b>	
Inlet, Standard		----
Inlet, Type 10		----
Inlet, Type 4		----
Inlet, Type 5		----
Inlet, Type 6		----
Inlet, Type 7		----
Inlet, Type 8		----
Inlet, Type 9		----
Inlet, Type D-H		----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Assemblies (RC 46M)

Last Revised: 5/19/2015

Companies listed to fabricate Inlet Assemblies are approved to provide the corresponding riser and top slab sections.

Actual inlet structures may be square or rectangular. The inlet structure type (size) is based on the largest pipe diameter.

Product	Name	Ref. No.
WATRF 15	Waterford Precast and Sales, Inc., 511 Bagdad Road, Waterford, PA 16441	
	Inlet, Standard	----
WINEC 15	Wine Concrete Products, Inc., 1000 Big Sewickley Creek Road, Sewickley, PA 15143	
	Inlet, Standard	----
	Inlet, Type 4	----
	Inlet, Type 5	----
	Inlet, Type 6	2012-252Q

### 714.2 Inlet Tops (RC 45M)

Last Revised: 5/19/2015

Product	Name	Ref. No.
ALTFJ 15	Altomare Precast, Inc., 4300 Wissahickon Avenue, Philadelphia, PA 19129 <a href="http://www.altomareprecast.com/">http://www.altomareprecast.com/</a>	
	Inlet Top, Type C	2011-263QA
	Inlet Top, Type M	2011-263QB
	Inlet Top, Type S	2011-263QC
ATLCP 15	Atlantic Concrete Products, Inc., 8900 Old Route 13, Tullytown, PA 19007-1375 <a href="http://www.atlanticconcrete.com/">http://www.atlanticconcrete.com/</a>	
	Inlet Top, Type C	----
	Inlet Top, Type C Alternate	----
	Inlet Top, Type M	----
	Inlet Top, Type S	----
BINGH 15	Binghamton Precast and Supply, 18 Phelps Street, Binghamton, NY 13901 <a href="http://www.binghamtonprecast.com/">http://www.binghamtonprecast.com/</a>	
	Inlet Top, Type C	----
	Inlet Top, Type M	----
	Inlet Top, Type S	----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Tops (RC 45M)

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>BYCRT 15</b>	<b>By-Crete, 517 King Street, RD #1, Lebanon, PA 17042 <a href="http://www.bycrete.com/">http://www.bycrete.com/</a></b>	
Inlet Top, Type C		----
Inlet Top, Type D-H		----
Inlet Top, Type D-H Level		----
Inlet Top, Type M		----
Inlet Top, Type S		----
<b>CONCR 15</b>	<b>Concrete Concepts, Inc., 1095 Thompson Avenue, P.O. Box 272, McKees Rocks, PA 15136 <a href="http://www.concreteconcepts.com/">http://www.concreteconcepts.com/</a></b>	
Inlet Top, Type C		----
Inlet Top, Type D-H Level		2013-041Q
Inlet Top, Type M		----
Inlet Top, Type S		----
<b>CONTN 15</b>	<b>Continental Concrete Products, Inc., 1 South Grosstown Road, Pottstown, PA 19464 <a href="http://www.continentalconcrete.com/">http://www.continentalconcrete.com/</a></b>	
Inlet Top, Type C		----
Inlet Top, Type C Alternate		----
Inlet Top, Type D-H		2012-012QA
Inlet Top, Type D-H Level		2012-012QB
Inlet Top, Type M		----
Inlet Top, Type S		----
<b>CPPLL 15</b>	<b>Concrete Pipe and Precast, LLC, 401 South Carlisle Street, Greencastle, PA 17225 <a href="http://www.concretepandp.com/">http://www.concretepandp.com/</a> <i>Formerly Advanced Drainage Structures (ADSTR 15)</i></b>	
Inlet Top, Type C		2012-068QC
Inlet Top, Type C Alternate		2012-068QD
Inlet Top, Type M		2012-068QA
Inlet Top, Type S		2012-068QB



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## Section 714: Precast Concrete Products

### 714.2 Inlet Tops (RC 45M)

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>DIXPS 15</b>	<b>Dixon Precast and Supply, 740 Laurel Run Road, West Decatur, PA 16878</b>	
	Inlet Top, Type C	2009-174QC
	Inlet Top, Type D-H	2009-174QD
	Inlet Top, Type D-H Level	2009-174QE
	Inlet Top, Type M	2009-174QA
	Inlet Top, Type S	2009-174QB
<b>EAGLE 15</b>	<b>Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501</b>	
	Inlet Top, Type C	----
	Inlet Top, Type D-H	----
	Inlet Top, Type M	----
	Inlet Top, Type S	----
<b>FIHFC 15</b>	<b>Fi-Hoff Concrete Products, Inc., 240 Bentwood Avenue, Johnstown, PA 15904 <a href="http://fi-hoff.com/">http://fi-hoff.com/</a></b>	
	Inlet Top, Type C	----
	Inlet Top, Type M	----
	Inlet Top, Type S	----
<b>MACK0 15</b>	<b>Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a></b>	
	Inlet Top, Type C	----
	Inlet Top, Type D-H	2010-061QB
	Inlet Top, Type D-H Level	2010-061QC
	Inlet Top, Type M	----
	Inlet Top, Type S	----
<b>MCCAR 15</b>	<b>McCarroll Precast, Inc., 1129 Old 115, Dallas, PA 18612</b>	
	Inlet Top, Type C	----
	Inlet Top, Type C Alternate	----
	Inlet Top, Type M	----
	Inlet Top, Type S	----





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## Section 714: Precast Concrete Products

### 714.2 Inlet Tops (RC 45M)

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>MONAP 15</b>	<b>Monarch Products Company, Inc., 385 Sipe Road, York Haven, PA 17370 <a href="http://www.monarchproducts.net/">http://www.monarchproducts.net/</a></b>	
	Inlet Top, Type C	----
	Inlet Top, Type D-H	----
	Inlet Top, Type D-H Level	----
	Inlet Top, Type M	----
	Inlet Top, Type S	----
<b>MONPC 15</b>	<b>Monarch Precast Concrete Corporation, 425 North Dauphin Street, Allentown, PA 18109-2199 <a href="http://www.monarchprecast.com/">http://www.monarchprecast.com/</a></b>	
	Inlet Top, Type C	----
	Inlet Top, Type M	----
<b>OLP-1 15</b>	<b>Oldcastle Precast, 200 Keystone Drive, Telford, PA 18969 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a></b>	
	Inlet Top, Type C	2014-232QC
	Inlet Top, Type D-H	2014-232QD
	Inlet Top, Type D-H Level	2014-232QE
	Inlet Top, Type M	2014-232QA
	Inlet Top, Type S	2014-232QB
<b>OLP-2 15</b>	<b>Oldcastle Precast, 3900 Glover Road, Easton, PA 18040 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> <i>Formerly Modern Precast Concrete (MPCP1 15)</i></b>	
	Inlet Top, Type C	2006-182Q
	Inlet Top, Type D-H	----
	Inlet Top, Type D-H Level	----
	Inlet Top, Type M	2006-183Q
	Inlet Top, Type S	2006-187Q
<b>POLCP 15</b>	<b>Poland Concrete Products, Inc., 210 Overlook Avenue, Hillsville, PA 16132</b>	
	Inlet Top, Type C	2010-327QD
	Inlet Top, Type M	2010-327QE



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## Section 714: Precast Concrete Products

### 714.2 Inlet Tops (RC 45M)

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>PREMC 15</b>	<b>Precast Manufacturing Company, 187 Strykers Road, Phillipsburg, NJ 08865 <a href="http://www.precastmfgco.com/">http://www.precastmfgco.com/</a></b>	
Inlet Top, Type C		2013-050QG
Inlet Top, Type M		2013-050QE
<b>RAHN- 15</b>	<b>Rahns Construction Materials Company, 430 Bridge Road, Rahns, PA 19426</b>	
Inlet Top, Type C		----
Inlet Top, Type M		----
<b>SCRRCR 15</b>	<b>Scranton Craftsmen, Inc., 930 Dunmore Street, Troop, PA 18512 <a href="http://www.scrantoncraftsmen.com/">http://www.scrantoncraftsmen.com/</a></b>	
Inlet Top, Type C		2015-036QB
Inlet Top, Type M		2015-036QA
<b>TERH0 15</b>	<b>Terre Hill Concrete Products, P.O. Box 10, Terre Hill, PA 17581 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a></b>	
Inlet Top, Type C		----
Inlet Top, Type D-H		----
Inlet Top, Type D-H Level		----
Inlet Top, Type M		----
Inlet Top, Type S		----
<b>TERH1 15</b>	<b>Terre Hill Concrete Products, 42 South Butler Road, Lebanon, PA 17042 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a></b>	
<b>Plant</b>	<b>Lebanon, PA</b>	
Inlet Top, Type D-H		----
Inlet Top, Type D-H Level		----
<b>WATRF 15</b>	<b>Waterford Precast and Sales, Inc., 511 Bagdad Road, Waterford, PA 16441</b>	
Inlet Top, Type C		----
Inlet Top, Type M		----
Inlet Top, Type S		----



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## Section 714: Precast Concrete Products

### 714.2 Inlet Tops (RC 45M)

Last Revised: 5/19/2015

Product	Name	Ref. No.
WINEC 15	Wine Concrete Products, Inc., 1000 Big Sewickley Creek Road, Sewickley, PA 15143	
	Inlet Top, Type C	----
	Inlet Top, Type C Alternate	2009-167QD
	Inlet Top, Type D-H	2009-167QA
	Inlet Top, Type D-H Level	----
	Inlet Top, Type M	----
	Inlet Top, Type S	----

### 714.2 Junction Boxes, Precast Concrete

Last Revised: 5/19/2015

Product	Name	Ref. No.
CONCR 15	Concrete Concepts, Inc., 1095 Thompson Avenue, P.O. Box 272, McKees Rocks, PA 15136 <a href="http://www.concreteconcepts.com/">http://www.concreteconcepts.com/</a>	
	JB-1	----
	JB-11	----
	JB-12	----
	JB-2	----
CONSS 15	Concrete Safety Systems, LLC, 9190 Old Route 22, Bethel, PA 19507 <a href="http://concretesafety.com/">http://concretesafety.com/</a>	
	JB-1	----
	JB-11	----
	JB-12	----
	JB-2	----
DIXPS 15	Dixon Precast and Supply, 740 Laurel Run Road, West Decatur, PA 16878	
	JB-1	2014-188QA
	JB-11	2014-189QA
	JB-12	2014-189QB
	JB-2	2014-188QB



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## Section 714: Precast Concrete Products

### 714.2 Junction Boxes, Precast Concrete

Last Revised: 5/19/2015

Product	Name	Ref. No.
EAGLE 15	Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501	
	JB-1	----
	JB-11	----
	JB-12	----
	JB-2	----
FADD1 15	Faddis Concrete Products, 3515 Kings Highway, Downingtown, PA 19335 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	JB-1	----
	JB-11	----
	JB-12	----
	JB-2	----
FADD2 15	Faddis Concrete Products, 205 West Washington Street, New Castle, PA 16101 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	JB-1	----
	JB-11	----
	JB-12	----
	JB-2	----
FADD3 15	Faddis Concrete Products, 210 Hinterleiter Road, Kutztown, PA 19530 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	JB-1	----
	JB-11	----
	JB-12	----
	JB-2	----
FADD4 15	Faddis Concrete Products, 36 North Plum Creek Road, Roaring Spring, PA 16673 <a href="http://www.faddis.com/">http://www.faddis.com/</a> <i>Formerly Ellenberger Precast &amp; Supply Inc. (ELLPS 15)</i>	
	JB-1	----
	JB-11	----
	JB-12	2011-184QE
	JB-2	----



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## Section 714: Precast Concrete Products

### 714.2 Junction Boxes, Precast Concrete

Last Revised: 5/19/2015

Product	Name	Ref. No.
WINEC 15	Wine Concrete Products, Inc., 1000 Big Sewickley Creek Road, Sewickley, PA 15143	
	JB-1	----
	JB-11	----
	JB-12	----
	JB-2	----

### 714.2 Manhole Sections (Reinforced Concrete)

Last Revised: 5/19/2015

Product	Name	Ref. No.
ALTFJ 15	Altomare Precast, Inc., 4300 Wissahickon Avenue, Philadelphia, PA 19129 <a href="http://www.altomareprecast.com/">http://www.altomareprecast.com/</a>	
	Manhole Section (RC)	----
ATLCP 15	Atlantic Concrete Products, Inc., 8900 Old Route 13, Tullytown, PA 19007-1375 <a href="http://www.atlanticconcrete.com/">http://www.atlanticconcrete.com/</a>	
	Manhole Section (RC)	----
BINGH 15	Binghamton Precast and Supply, 18 Phelps Street, Binghamton, NY 13901 <a href="http://www.binghamtonprecast.com/">http://www.binghamtonprecast.com/</a>	
	Manhole Section (RC)	----
BYCRT 15	By-Crete, 517 King Street, RD #1, Lebanon, PA 17042 <a href="http://www.bycrete.com/">http://www.bycrete.com/</a>	
	Manhole Section (RC)	----
CONCR 15	Concrete Concepts, Inc., 1095 Thompson Avenue, P.O. Box 272, McKees Rocks, PA 15136 <a href="http://www.concreteconcepts.com/">http://www.concreteconcepts.com/</a>	
	Manhole Section (RC)	----
CONTN 15	Continental Concrete Products, Inc., 1 South Grosstown Road, Pottstown, PA 19464 <a href="http://www.continentalconcrete.com/">http://www.continentalconcrete.com/</a>	
	Manhole Section (RC)	----
CPPLL 15	Concrete Pipe and Precast, LLC, 401 South Carlisle Street, Greencastle, PA 17225 <a href="http://www.concretepandp.com/">http://www.concretepandp.com/</a> <i>Formerly Advanced Drainage Structures (ADSTR 15)</i>	
	Manhole Section (RC)	2012-065Q



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## Section 714: Precast Concrete Products

### 714.2 Manhole Sections (Reinforced Concrete)

Last Revised: 5/19/2015

Product	Name	Ref. No.
EAGLE 15	Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501 Manhole Section (RC)	----
FIHFC 15	Fi-Hoff Concrete Products, Inc., 240 Bentwood Avenue, Johnstown, PA 15904 <a href="http://fi-hoff.com/">http://fi-hoff.com/</a> Manhole Section (RC)	----
MACK0 15	Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a> Manhole Section (RC)	----
MCCAR 15	McCarroll Precast, Inc., 1129 Old 115, Dallas, PA 18612 Manhole Section (RC)	----
MONAP 15	Monarch Products Company, Inc., 385 Sipe Road, York Haven, PA 17370 <a href="http://www.monarchproducts.net/">http://www.monarchproducts.net/</a> Manhole Section (RC)	----
MONPC 15	Monarch Precast Concrete Corporation, 425 North Dauphin Street, Allentown, PA 18109-2199 <a href="http://www.monarchprecast.com/">http://www.monarchprecast.com/</a> Manhole Section (RC)	----
OLP-2 15	Oldcastle Precast, 3900 Glover Road, Easton, PA 18040 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> <i>Formerly Modern Precast Concrete (MPCP1 15)</i> Manhole Section (RC)	2006-180Q
POLCP 15	Poland Concrete Products, Inc., 210 Overlook Avenue, Hillsville, PA 16132 Manhole Section (RC)	2010-327QA
PREMC 15	Precast Manufacturing Company, 187 Strykers Road, Phillipsburg, NJ 08865 <a href="http://www.precastmfgco.com/">http://www.precastmfgco.com/</a> Manhole Section (RC)	2013-050QA
RAHN- 15	Rahns Construction Materials Company, 430 Bridge Road, Rahns, PA 19426 Manhole Section (RC)	----



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## Section 714: Precast Concrete Products

### 714.2 Manhole Sections (Reinforced Concrete)

Last Revised: 5/19/2015

	Product	Name	Ref. No.
SCRRCR 15	Scranton Craftsmen, Inc., 930 Dunmore Street, Troop, PA 18512 Manhole Section (RC)	<a href="http://www.scrantoncraftsmen.com/">http://www.scrantoncraftsmen.com/</a>	----
STOCO 15	Stone and Company, 1718 Roseytown Road, Greensburg, PA 15601 Manhole Section (RC)	<a href="http://stoneconcrete.com/">http://stoneconcrete.com/</a>	2013-213QA
TERH0 15	Terre Hill Concrete Products, P.O. Box 10, Terre Hill, PA 17581 Manhole Section (RC)	<a href="http://www.terrehill.com/">http://www.terrehill.com/</a>	----
TERH1 15 Plant	Terre Hill Concrete Products, 42 South Butler Road, Lebanon, PA 17042 Manhole Section (RC)	<a href="http://www.terrehill.com/">http://www.terrehill.com/</a>	----
WINEC 15	Wine Concrete Products, Inc., 1000 Big Sewickley Creek Road, Sewickley, PA 15143 Manhole Section (RC)		----

### 714.2 Median Barrier (Temporary and Permanent)

Last Revised: 5/19/2015

	Product	Name	Ref. No.
BRAYP 15	Brayman Precast, Precast Division, 2900 South Noah Drive, Saxonburg, PA 16056 <i>Formerly Advantage Precast Solutions LLC (ADVPS 15)</i> 41" Single Face (RC 58M)	<a href="http://www.braymanprecast.com/">http://www.braymanprecast.com/</a>	2015-004QB
CONCR 15	Concrete Concepts, Inc., 1095 Thompson Avenue, P.O. Box 272, McKees Rocks, PA 15136 34"/32" Double Face (RC 57M)	<a href="http://www.concreteconcepts.com/">http://www.concreteconcepts.com/</a>	----
CONSS 15	Concrete Safety Systems, LLC, 9190 Old Route 22, Bethel, PA 19507 34"/32" Double Face (RC 57M) 41" Single Face (RC 58M)	<a href="http://concretesafety.com/">http://concretesafety.com/</a>	----- -----



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## Section 714: Precast Concrete Products

### 714.2 Median Barrier (Temporary and Permanent)

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Product	Name	Ref. No.
<b>EAGLE 15</b>	<b>Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501</b>	
	32" Double Face with JJ Hook	----
	34"/32" Double Face (RC 57M)	----
	41" Single Face (RC 58M)	----
<b>FADD1 15</b>	<b>Faddis Concrete Products, 3515 Kings Highway, Downingtown, PA 19335 <a href="http://www.faddis.com/">http://www.faddis.com/</a></b>	
	34"/32" Double Face (RC 57M)	----
	41" Single Face (RC 58M)	----
<b>FADD2 15</b>	<b>Faddis Concrete Products, 205 West Washington Street, New Castle, PA 16101 <a href="http://www.faddis.com/">http://www.faddis.com/</a></b>	
	32" Double Face with JJ Hook	----
	32" Double Face with JJ Hook (MASH)	2013-194QC
	34"/32" Double Face (RC 57M)	----
	41" Single Face (RC 58M)	----
<b>FADD3 15</b>	<b>Faddis Concrete Products, 210 Hinterleiter Road, Kutztown, PA 19530 <a href="http://www.faddis.com/">http://www.faddis.com/</a></b>	
	32" Double Face with JJ Hook	----
	32" Double Face with JJ Hook (MASH)	2013-194QB
	34"/32" Double Face (RC 57M)	----
	41" Single Face (RC 58M)	----
<b>FADD4 15</b>	<b>Faddis Concrete Products, 36 North Plum Creek Road, Roaring Spring, PA 16673 <a href="http://www.faddis.com/">http://www.faddis.com/</a> <i>Formerly Ellenberger Precast &amp; Supply Inc. (ELLPS 15)</i></b>	
	34"/32" Double Face (RC 57M)	----
	41" Single Face (RC 58M)	----
<b>GCLI- 15</b>	<b>GCL, Inc., 2559 Brandt School Road, Heritage Center, Suite 200, Wexford, PA 15090 <a href="http://cambergroup.com/gclinc.htm">http://cambergroup.com/gclinc.htm</a></b>	
	34"/32" Double Face (RC 57M)	2010-069Q





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## Section 714: Precast Concrete Products

### 714.2 Median Barrier (Temporary and Permanent)

Last Revised: 5/19/2015

	Product	Name	Ref. No.
INTSS 15	Interstate Safety Service, Inc., 1301 Winola Road, Clarks Summit, PA 18411 34"/32" Double Face (RC 57M) 41" Single Face (RC 58M)		----- -----
J&RS1 15	J & R Slaw, Inc., P.O. Box D, Bowanstown, PA 18030 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a> 34"/32" Double Face (RC 57M) 41" Single Face (RC 58M)		----- -----
JERPC 15	Jersey Precast Corporation, 853 Nottingham Way, Hamilton Township, NJ 08638 <a href="http://jerseyprecast.com/">http://jerseyprecast.com/</a> 34"/32" Double Face (RC 57M)		2006-230Q
MACK0 15	Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a> 34"/32" Double Face (RC 57M) 41" Single Face (RC 58M)		2008-132Q 2013-083Q
NITT1 15	Nitterhouse Concrete Products Inc., P. O. Box N, Chambersburg, PA 17201 <a href="http://nitterhouseconcrete.com/">http://nitterhouseconcrete.com/</a> 34"/32" Double Face (RC 57M)		-----
NORPR 15	Northeast Precast, 92 Reese Road, Millville, NJ 08332 <a href="http://www.northeastprecast.com/">http://www.northeastprecast.com/</a> 32" Double Face-I Beam (NJ/NY) non-structure mounted		-----
OLP-1 15	Oldcastle Precast, 200 Keystone Drive, Telford, PA 18969 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> 34"/32" Double Face (RC 57M)		-----
WHICO 15	L. C. Whitford Company, 164 North Main Street, P.O. Box 663, Wellsville, NY 14895 <a href="http://www.lcwhitford.com/">http://www.lcwhitford.com/</a> 32" Double Face with JJ Hook		2011-187Q

### 714.2 Sound Barrier

Last Revised: 5/19/2015

	Product	Name	Ref. No.
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## Section 714: Precast Concrete Products

### 714.2 Sound Barrier

Last Revised: 5/19/2015

Product	Name	Ref. No.
ARMTC 15	Armtec, 51 Arthur Sreet South, Mitchell N0K 1NO <a href="https://www.armtec.com/">https://www.armtec.com/</a> <i>Formerly Durisol (DURIS 15), a Division of Armtec</i>	
	Sound Barrier Panel	2009-133Q
	Sound Barrier Post (Precast)	2009-133Q
BRAYP 15	Brayman Precast, Precast Division, 2900 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.braymanprecast.com/">http://www.braymanprecast.com/</a> <i>Formerly Advantage Precast Solutions LLC (ADVPS 15)</i>	
	Sound Barrier Panel	2012-170Q
	Sound Barrier Post (Precast)	2014-074Q
CONAW 15	Conewago Precast Building Systems, 576 Edgegrove Road, P.O. Box 461, Hanover, PA 17331 <a href="http://www.conewago.com/capabilities/precast-concrete/">http://www.conewago.com/capabilities/precast-concrete/</a>	
	Sound Barrier Panel	2010-241Q
	Sound Barrier Post (Precast)	----
CONPG 15	Eastern Concrete Products DBA U.S. Concrete Precast Group, 3369 Paxtonville Road, Middleburg, PA 17842 <a href="http://eastern-concrete.com/">http://eastern-concrete.com/</a> <i>Formerly Architectural Precast US Concrete Div. (ARCPR 15)</i>	
	Sound Barrier Panel	2009-166Q
CONSS 15	Concrete Safety Systems, LLC, 9190 Old Route 22, Bethel, PA 19507 <a href="http://concretesafety.com/">http://concretesafety.com/</a>	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----
FADD1 15	Faddis Concrete Products, 3515 Kings Highway, Downingtown, PA 19335 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----
FADD2 15	Faddis Concrete Products, 205 West Washington Street, New Castle, PA 16101 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----



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## Section 714: Precast Concrete Products

### 714.2 Sound Barrier

Last Revised: 5/19/2015

Product	Name	Ref. No.
FADD3 15	Faddis Concrete Products, 210 Hinterleiter Road, Kutztown, PA 19530 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	Sound Barrier Panel	2010-105Q
	Sound Barrier Post (Precast)	2010-105Q
FADD4 15	Faddis Concrete Products, 36 North Plum Creek Road, Roaring Spring, PA 16673 <a href="http://www.faddis.com/">http://www.faddis.com/</a> <i>Formerly Ellenberger Precast &amp; Supply Inc. (ELLPS 15)</i>	
	Sound Barrier Panel	2011-184QB
	Sound Barrier Post (Precast)	2011-184QA
INTSS 15	Interstate Safety Service, Inc., 1301 Winola Road, Clarks Summit, PA 18411	
	Sound Barrier Panel	2012-178Q
J&RS1 15	J & R Slaw, Inc., P.O. Box D, Bowanstown, PA 18030 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a>	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----
	Sound Barrier Post (Prestressed)	----
MACK0 15	Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a>	
	Sound Barrier Panel	2008-180Q
	Sound Barrier Post (Precast)	2008-180Q
MILL0 15	A. C. Miller Concrete Products, P.O. Box 93, Route 22, Blairsville, PA 15717 <a href="http://www.acmiller.com/">http://www.acmiller.com/</a>	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----
NITT1 15	Nitterhouse Concrete Products Inc., P. O. Box N, Chambersburg, PA 17201 <a href="http://nitterhouseconcrete.com/">http://nitterhouseconcrete.com/</a>	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----



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## Section 714: Precast Concrete Products

### 714.2 Sound Barrier

Last Revised: 5/19/2015

Product	Name	Ref. No.
NORPP 15	Northeast Prestressed Products LLC, 121 River Street, Cressona, PA 17929-1133 <a href="http://www.nppbeams.com/">http://www.nppbeams.com/</a>	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----
WILLA 15	K. J. Williams Concrete Company, Inc., P.O. Box 5137, Cresaptown, MD 21505-5137	
	Sound Barrier Panel	----
	Sound Barrier Post (Precast)	----

### 714.2 Temporary Concrete Barrier, Structure Mounted (BC 719)

Last Revised: 5/19/2015

Product	Name	Ref. No.
CONSS 15	Concrete Safety Systems, LLC, 9190 Old Route 22, Bethel, PA 19507 <a href="http://concretesafety.com/">http://concretesafety.com/</a>	
	32" Double Face	----
	42" Single Face	----
EAGLE 15	Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501	
	32" Double Face	----
	42" Single Face	----
	50" Double Face	----
FADD2 15	Faddis Concrete Products, 205 West Washington Street, New Castle, PA 16101 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	32" Double Face	----
	42" Single Face	----
	50" Double Face	----
FADD3 15	Faddis Concrete Products, 210 Hinterleiter Road, Kutztown, PA 19530 <a href="http://www.faddis.com/">http://www.faddis.com/</a>	
	32" Double Face	----
	42" Single Face	----
	50" Double Face	----



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## Section 714: Precast Concrete Products

### 714.2 Temporary Concrete Barrier, Structure Mounted (BC 719)

Last Revised: 5/19/2015

Product	Name	Ref. No.
<b>FADD4 15</b>	<b>Faddis Concrete Products, 36 North Plum Creek Road, Roaring Spring, PA 16673 <a href="http://www.faddis.com/">http://www.faddis.com/</a> <i>Formerly Ellenberger Precast &amp; Supply Inc. (ELLPS 15)</i></b>	
32" Double Face		2011-184QC
42" Single Face		2010-244Q
50" Double Face		2011-184QD
<b>INTSS 15</b>	<b>Interstate Safety Service, Inc., 1301 Winola Road, Clarks Summit, PA 18411</b>	
32" Double Face		----
42" Single Face		----
50" Double Face		----
<b>MACK0 15</b>	<b>Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a></b>	
32" Double Face		2012-014Q



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## Section 721: Calcium Chloride

### 721 Calcium Chloride, AASHTO M144

Last Revised: 7/8/2015

	Product	Name	Ref. No.
GENER 15	General Chemical Group, 90 East Halsey Road, Parsippany, NJ 07054 <a href="http://www.genchem.com/">http://www.genchem.com/</a>		
	Calcium Chloride, Type S, Grade 1, Class A or B	CaCl Flake 77-80%	2000-141Q
OCCCC 15 Plant	Occidental Chemical Corporation, P.O. Box 809050, Dallas, TX 75380 <a href="http://www.oxy.com/OurBusinesses/Chemicals/Pages/default.aspx">http://www.oxy.com/OurBusinesses/Chemicals/Pages/default.aspx</a>		
	1600 South Madison Street Ludington, MI 49431		
	Calcium Chloride, Type S, Grade 1, Class A or B	DOWFLAKE 83-87%	-----
	Calcium Chloride, Type S, Grade 1, Class A or B	LIQUIDOW 30-42%	1992-345
TETRA 15	TETRA Technologies, Inc., 25025 Interstate 45N, P. O. Box 73087, The Woodlands, TX 77380 <a href="http://www.tetrathec.com/">http://www.tetrathec.com/</a>		
	Calcium Chloride, Type S, Grade 1, Class A or B		1997-076



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## Section 722: Sodium Chloride

### 722 Sodium Chloride, AASHTO M143 or ASTM D632

Last Revised: 7/8/2015

	Product	Name	Ref. No.
AMERS 15	American Rock Salt Company, LLC, P.O. Box 190, Mount Morris, NY 14510 Sodium Chloride, Type 1, Grade 1	<a href="https://www.americanrocksalt.com/">https://www.americanrocksalt.com/</a> Hampton Corners, NY	2000-109Q
CARGO 15	Cargill, Inc., 24950 Country Club Blvd., Suite 450, North Olmsted, OH 44070 Sodium Chloride, Type 1, Grade 1 Sodium Chloride, Type 1, Grade 1 Sodium Chloride, Type 1, Grade 1	<a href="http://www.cargill.com/">http://www.cargill.com/</a> Avery Island, LA Cleveland, OH Lansing, NY	1995-119 ----- -----
COMMC 15	Compania Minera Cordillera SCM, Providencia 2653, Office 702, 7510015 Santiago, Chile Sodium Chloride, Type 1, Grade 1	Salar Grande, Iquique, Chile	2009-157Q
DETSC 15	The Detroit Salt Company, 12841 Sanders Street, Detroit, MI 48217 Sodium Chloride, Type 1, Grade 1	<a href="http://detroitssalt.com/">http://detroitssalt.com/</a> Detroit, MI	2013-079Q
HOOPS 15	Hoopes Fertilizer Works, Inc., 9866 Freshley Ave., NE, Alliance, OH 44601 Sodium Chloride, Type 1, Grade 1 <i>Anti-foaming agent, AE-30-FGK, can be added per manufacturer recommendations, Univar USA Mfg. Conditionally Approved as an alternate. Contact NPI at two (2) weeks before placement on a PennDOT Project each time the product is used.</i> <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a>	Ice Bite 55	2008-190
MORTS 15	Morton Salt Company, 123 North Wacker Drive, Chicago, IL 60606 Sodium Chloride, Type 1, Grade 1 Sodium Chloride, Type 1, Grade 1 Sodium Chloride, Type 1, Grade 1	<a href="http://www.mortonsalt.com/">http://www.mortonsalt.com/</a> Fairport, OH Weeks Island, LA Windsor, Ontario	----- ----- 2001-011Q
NAMSC 15	North American Salt Company, 9900 W 109th St, Suite 600, Overland Park, KS 66210 Sodium Chloride, Type 1, Grade 1 Sodium Chloride, Type 1, Grade 1	<a href="http://www.nasalt.com/">http://www.nasalt.com/</a> Cote Blanche, LA Goderich, Ontario	1995-122B 1995-122A
POTAH 15	Potash Corporation, 1101 Skokie Boulevard, Northbrook, IL 60062 Sodium Chloride, Type 1, Grade 1	<a href="http://www.potashcorp.com/">http://www.potashcorp.com/</a> Sussex, New Brunswick, Canada E4E 5L2	2013-116Q



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## Section 722: Sodium Chloride

### 722 Sodium Chloride, AASHTO M143 or ASTM D632

Last Revised: 7/8/2015

	Product	Name	Ref. No.
SOCPD 15	K + S Chile S. A., Av. Tajamar 183, Piso 6, Las Condes, Santiago, Chile <i>Formerly Sociedad Punta de Lobos S.A. (SOCPD 15)</i> Sodium Chloride, Type 1, Grade 1	Las Condes, Santiago, Chile	2005-060Q





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## Section 723: Hydrated Lime

### 723 Hydrated Lime, ASTM C207

Last Revised: 7/8/2015

	Product	Name	Ref. No.
CARML 15 Plant	Carmeuse Lime Company, Inc., Route 422 & Clear Springs Road, Annville, PA 17003 Route 422 & Clear Springs Road Annville, PA 17003 Hydrated Lime, Type N	<a href="http://www.carmeusena.com/">http://www.carmeusena.com/</a>	2002-036Q
GRAYM 15	Graymont (PA), Inc., 965 East College Ave., Pleasant Gap, PA 16823 Hydrated Lime, Type N	<a href="http://www.graymont.com/">http://www.graymont.com/</a>	1988-128



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## Section 724: Pozzolans

### 724.2(b) Fly Ash (For Use with Cement Concrete - AASHTO M295)

Last Revised: 7/8/2015

	Product	Name	Ref. No.
ASHDE 15	<b>Ash/Dell, 290 Bic Drive, P. O. Box 2-204, Milford, CT 06460</b>		
	Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate. 20% minimum replacement to mitigate ASR.</i>	Public Service Electric & Gas, Hudson Station, Jersey City, NJ	1997-176
	Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Public Service Electric & Gas, Mercer Station	1996-084
ASHVE 15	<b>Ash Venture, LLC, 11000 North West 121st Way, Medley, FL 33178-1009 <a href="http://www.ashventurellc.com/">http://www.ashventurellc.com/</a></b>		
	Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Belews Creek Power Station, Belews Creek, NC	2014-187Q
BASFK 15 Plant	<b>BASF Kaolin, 11501 Steel Creek Rd., Charlotte, NC 28273 <a href="http://www.kaolin.basf.com/">http://www.kaolin.basf.com/</a> McIntyre, GA</b>		
	Fly Ash, Class N <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	MetaMax	2014-218M
CEMX1 15 Terminal	<b>Cemex, 200-B Neville Island, Pittsburgh 15225 <a href="http://www.cemex.com/">http://www.cemex.com/</a> 200-B Neville Island Pittsburgh, PA 15225</b>		
	Fly Ash, Class C <i>Terminal for MINR1 2005-083.</i>	Labadie Power Plant, Labadie, MO	2014-261Q
	Fly Ash, Class C <i>Terminal for MINR1 2001-138.</i>	Rush Island Power Plant. Festus, MO	2011-098Q
	Fly Ash, Class F <i>Terminal for MINR1.</i>	IPL Petersburg Generation Station, Petersburg, IN	2005-050Q
	Fly Ash, Class F <i>Terminal for MINR1. Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Miami Fort Power Station, North Bend, OH	2002-175Q



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## Section 724: Pozzolans

### 724.2(b) Fly Ash (For Use with Cement Concrete - AASHTO M295)

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Product	Name	Ref. No.
<b>CINER 15</b> Cinergy Corporation, 139 East 4th Street, Room 540A, P.O. Box 960, Cincinnati, OH 45201-0960		
Fly Ash, Class F	Zimmer Power Station, Moscow, OH	2003-052Q
<b>FLYAD 15</b> Flyash Direct, 4228 Airport Road, Cincinnati, OH 45226 <a href="http://www.flyashdirect.com/">http://www.flyashdirect.com/</a>		
Fly Ash, Class F	American Electric Power, Appalachian Power Co., John E. Amos Plant	----
<i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>		
<b>HEADW 15</b> Headwaters Resources, Inc., 4043 N. Euclid Ave., Bay City, MI 48706 <a href="http://www.headwaters.com/">http://www.headwaters.com/</a>		
Fly Ash, Class C	Alabama Power, Miller Power Station, Quinton, AL	2008-143Q
Fly Ash, Class C	Dynergy-Baldwin Power Station, Baldwin, IL	2005-072Q
Fly Ash, Class C	Dynergy-Havana Power Station, Havana, IL	2006-002Q
Fly Ash, Class F	Allegheny Power, Fort Martin Station	1986-312
<i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>		
Fly Ash, Class F	Allegheny Power, Hatfield Power Station	1989-196
<i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>		
Fly Ash, Class F	Appalachian Power Company, New Haven, WV	1992-279
<i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>		
Fly Ash, Class F	Cayuga Power Plant, Lansing, NY	2002-056Q
Fly Ash, Class F	Cleveland Electric Illuminating, East Lake Unit 5	1993-018
<i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>		
Fly Ash, Class F	Ohio Edison, Sammis Power Plant, Stratton, OH	1997-146
<i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>		
Fly Ash, Class F	PP&L Montour Steam Electric Station, Washingtonville, PA	----
<i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>		
<i>Formerly Sinew, Inc.</i>		
Fly Ash, Class F	U.S. Generating, Brayton Point Power Station, Somerset, MA	2003-003Q



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## Section 724: Pozzolans

### 724.2(b) Fly Ash (For Use with Cement Concrete - AASHTO M295)

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	Product	Name	Ref. No.
HOLI0 15	Holcim (US) Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Fly Ash, Class C  <i>Available Alkalis = 5.00%</i>	Detroit Edison Belle River Power Plant, China Township, MI 48054	2014-046Q
HOLI1115 Terminal	Holcim (US) Inc., 6211 Ann Arbor Road, Dundee, MI 48131 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Fly Ash, Class C	Detroit Edison, Belle River Power Plant	2015-003Q
IRVFA 15	Irvine Fly Ash, Inc., 2303 Gilbert Ave., Cincinnati, OH 45206 Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i> Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Indiana Kentucky Electric, Clifty Creek Plant  Louisville Gas & Electric, Trimble County Plant	1997-093  1997-094
LAFR1315	Lafarge North America, 20408 West Renwick Road, Lockport, IL 60441-0089 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a> Fly Ash, Class C Fly Ash, Class C Fly Ash, Class C Fly Ash, Class C	American Electric Power, Rockport, IN Federal White's Skyline, Lafarge Terminal, Northampton, PA Pennsy Supply, Lafarge Terminal, Paxton Street, Harrisburg, PA Wisconsin Electric Power Co., Pleasant Prairie Plant	1992-052 ---- ---- 1997-085
MINR1 15	Mineral Resources Technologies, Inc., A Cemex Company, 929 Gessner, Suite 1900, Houston, TX 77024 Fly Ash, Class C  <i>All correspondence to: CEMEX Technical Center, Oscar Jaramillo, 5501 East Hanna Avenue, Riverview, FL 33578</i> Fly Ash, Class C  <i>All correspondence to: CEMEX Technical Center, Oscar Jaramillo, 5501 East Hanna Avenue, Riverview, FL 33578</i>	Electric Energy, Inc., Rush Island Power Plant, Festus, MO  Labadie Power Plant, Labadie, MO	2001-138Q  2005-083Q



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## Section 724: Pozzolans

### 724.2(b) Fly Ash (For Use with Cement Concrete - AASHTO M295)

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	Product	Name	Ref. No.	
SEFGP 15	The Sefa Group, 217 Cedar Road, Lexington, SC 29073 <a href="http://sefagroup.com/">http://sefagroup.com/</a> Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Star GenOn Morgantown Generating Station, Newburg, MD	2011-268Q	
SINEW 15	Sinew, Inc., 1886 Mill Run Court, Hellertown, PA 18055 <a href="http://www.sinew.com.tw/">http://www.sinew.com.tw/</a> Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Sunbury Generation LP, Shamokin Dam, PA	2001-044Q	
STECH 15	Separation Technologies, Inc., 101 Hampton Ave., Needham, MA 02494 <a href="http://www.separationtechnology.com/">http://www.separationtechnology.com/</a> Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Brandon Shores Wagner Station, Baltimore, MD	2006-028Q	
		Fly Ash, Class F <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	PPL Generation, Brunner Island Station, York Haven, PA	2006-031Q
		Fly Ash, Class F <i>Flowable Fill</i>	PPL, Brunner Island Steam Electric Station, York Haven, PA	----

### 724.3 Ground Granulated Blast Furnace Slag AASHTO M302 (ASTM C989) for Cement Partial Replacement

Last Revised: 7/8/2015

	Product	Name	Ref. No.
CIMT-215 Plant	Cimento Tupi Americas, Inc., 515 East Las Olas Boulevard, Suite 1020, Fort Lauderdale, FL 33301 515 East Las Olas Boulevard Suite 1020 Fort Lauderdale, FL 33301 Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	StarCem, Volta Redona Plant	2003-194Q



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## Section 724: Pozzolans

### 724.3 Ground Granulated Blast Furnace Slag AASHTO M302 (ASTM C989) for Cement Partial Replacement

Last Revised: 7/8/2015

	Product	Name	Ref. No.
ESS-4 15 Terminal	Essroc Materials, Inc., 8282 Middlebranch Road, Middlebranch, OH 44652 <a href="http://www.essroc.com/">http://www.essroc.com/</a> 8282 Middlebranch Road Middlebranch, OH 44652		
	Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Essroc Slag, Middlebranch, OH	2006-008Q
	Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Essroc Slag, Middlebranch, OH	1998-068
ESS-6 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a> Bessemer, PA		
	Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Essroc Slag, Middlebranch, OH (2006-008)	2010-022QC
ESS10 15 Terminal	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a> Leetsdale, PA		
	Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Essroc Slag, Middlebranch, OH (2006-008)	2012-039Q
ESS15 15 Plant	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 595 Morgan Blvd Camden, NJ 08104 <i>Formerly Holcim (HOLI0 15)</i>		
	Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Camden NJ	2000-300Q
	Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Camden, NJ	2008-007Q
HOLC0 15 Plant	Holcim (Canada) Inc., 2391 Lakeshore Road West, Mississauga, Ontario <a href="http://www.holcim.us/">http://www.holcim.us/</a> 2391 Lakeshore Road West Mississauga, Ontario		
	Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Mississauga, Ontario	2000-087Q



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## Section 724: Pozzolans

### 724.3 Ground Granulated Blast Furnace Slag AASHTO M302 (ASTM C989) for Cement Partial Replacement

Last Revised: 7/8/2015

Product	Name	Ref. No.
<b>HOLI0 15</b>	<b>Holcim (US) Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a></b>	
Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Weirton, WV	1991-281
Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Birmingham, AL	2003-102Q
Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Weirton, WV	1991-281
<b>HOLI1 15 Terminal</b>	<b>Holcim (US) Inc., North East Sales Group, 4303 Rt 9, Hudson, NY 12534 <a href="http://www.holcim.us/">http://www.holcim.us/</a> Tarentum, PA</b>	
Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate. Purchased by Skyway Cement Company with effective date of July 11th, 2015 and supplier code of SKYC1 15.</i>	GranCem Cement, Chicago, IL (Skyway) (2009-094)	2009-194Q
Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Mississauga, Ontario (HOLCO 2000-087)	2008-020Q
<b>LAFR1115 Plant</b>	<b>Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a> Baltimore, MD</b>	
Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	NewCem, Terminal, 26th & Penrose, Philadelphia	1993-213
Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	NewCem, Terminal, 26th & Penrose, Philadelphia	1993-230
<b>LAFR1515 Plant</b>	<b>Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a> Chicago, IL</b>	
Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	NewCem	2003-002Q



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## Section 724: Pozzolans

### 724.3 Ground Granulated Blast Furnace Slag AASHTO M302 (ASTM C989) for Cement Partial Replacement

Last Revised: 7/8/2015

	Product	Name	Ref. No.
LAFR2 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a> Cleveland, OH		
	Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	NewCem	2006-234Q
LEH-3 15 Plant	Lehigh Portland Cement Company, Evansville Plant, 537 Evansville Road, Fleetwood, PA 19522 Evansville, PA		
	Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Lehigh Slag Cement GGBFS, Formerly ALLCEM	1993-408
	Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Lehigh Slag Cement GGBFS, Formerly ALLCEM	2001-058Q
LEH-4 15 Terminal	Lehigh Portland Cement Company, 7660 Imperial Way, Allentown, PA 18195 Aliquippa, PA		
	Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Lehigh Slag Cement GGBFS, Formerly ALLCEM	2011-035Q
LONST 15 Plant	Lone Star Industries, 14900 Intrecostal Drive, New Orleans, LA 70129 <a href="http://lonestarindustries.com/Home_Page.html">http://lonestarindustries.com/Home_Page.html</a> 14900 Intrecostal Drive New Orleans, LA 70129		
	Blast Furnace Slag, Grade 120 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	AUCEM	2003-058Q
SKYC1 15 Plant	Skyway Cement Company, LLC, 3020 East 103rd Street, Chicago, IL 60617 3020 East 103rd Street Chicago, IL 60617 <i>Formerly Holcim (HOLI0 15, HOLI1 15, and HOLI9 15)</i>		
	Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Chicago, IL	2009-094Q





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## Section 724: Pozzolans

### 724.3 Ground Granulated Blast Furnace Slag AASHTO M302 (ASTM C989) for Cement Partial Replacement

Last Revised: 7/8/2015

	Product	Name	Ref. No.
SKYC2 15 Terminal	Skyway Cement Company, 3020 East 103rd Street, Chicago, IL 60617 445 Grantham Street Tarentum, PA 15084 <i>Leased cement terminal from Holcim (HOLI1 15)</i> Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	GranCem Cement, Chicago, IL	2009-194Q
STMC4 15 Plant	St. Marys Cement, 9333 Dearbourn Street, Detroit, MI 48209 <a href="http://www.stmaryscement.com/saintmaryscementinc/">http://www.stmaryscement.com/saintmaryscementinc/</a> Detroit, MI Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Cemplus	2006-007Q
STMC6 15 Terminal	St. Marys Cement, 250 Jefferson Street, Cleveland, OH 44113 <a href="http://www.stmaryscement.com/saintmaryscementinc/">http://www.stmaryscement.com/saintmaryscementinc/</a> Cleveland, OH Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Cemplus	2008-117QB
WAYLT 15 Plant	Waylite Corporation, RR#5, Easton Road Box 5165, Bethlehem, PA 18015 RR#5, Easton Road Box 5165 Bethlehem, PA 18015 Blast Furnace Slag, Grade 100 <i>Acceptable for use in concrete mixes to reduce alkali silica reactivity of aggregate.</i>	Waycem, Bethlehem, PA	----

### 724.4 Silica Fume (AASHTO M307)

Last Revised: 7/8/2015

	Product	Name	Ref. No.
BAS-0 15 Facility	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> 23700 Chagrin Blvd. Cleveland, OH 44122 Silica Fume <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	MasterLife SF 100 (densified) (formerly Rheomac SF 100)	1997-189



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## Section 724: Pozzolans

### 724.4 Silica Fume (AASHTO M307)

Last Revised: 7/8/2015

	Product	Name	Ref. No.
ELKMM 15 Plant	Elkem Materials, Inc., P. O. Box 266, Pittsburgh, PA 15230 <a href="https://www.elkem.com/">https://www.elkem.com/</a>		
	Alloy, WV		
	Silica Fume	EMS-965 (undensified)	1984-111
	Silica Fume	EMS-970DA (Dry) (densified)	1984-111
GRACO 15 Facility	W. R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140-1692 <a href="https://grace.com/en-us">https://grace.com/en-us</a>		
	62 Whittemore Ave. Cambridge, MA 02140-1692		
	Silica Fume	Force 10,000 (densified)	1986-041
REDIP 15 Terminal	RED Industrial Products, 100 Meadow Lane, Suite 7, DuBois, PA 15801 <a href="http://www.redindustrialproducts.com/">http://www.redindustrialproducts.com/</a>		
	100 Meadow Lane, Suite 7 DuBois, PA 15801		
	Silica Fume	MicroFume 102D (densified), Ferro Atlantica, Culoz, France	2014-021Q
	Silica Fume	MicroFume 102D (densified), Ferro Atlantica, Edo, Bolivar, Venezuela	2014-022Q
SIKA0 15 Facility	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Cresent, DE55 7RA		
	Silica Fume	SikaCrete 950 (densified)	1990-216
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Marion, OH		
	Silica Fume	SikaCrete 950 (densified)	1990-216



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## Section 725: Lime Pozzolan

### 725 Lime Pozzolan

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	Product	Name	Ref. No.
CARML 15 Plant	Carmeuse Lime Company, Inc., Route 422 & Clear Springs Road, Annville, PA 17003 Route 422 & Clear Springs Road Annville, PA 17003	<a href="http://www.carmeusena.com/">http://www.carmeusena.com/</a>	
	Lime Pozzolan	Envirolime	2006-037QA
MINTR 15 Facility	Mintek Resources, Inc., 3045 Rodenbeck Drive, Beavercreek, OH 45432 Pleasant Gap, PA	<a href="http://mintekresources.com/">http://mintekresources.com/</a>	
	Lime Pozzolan	Calciment	2005-114Q



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## Section 735: Geotextiles

### 735 Geotextile Fabric

Last Revised: 7/8/2015

	Product	Name	Ref. No.
AMEEF 15	American Engineering Fabrics, 1 Coffin Avenue, New Bedford, MA 02746		
	Geotextile: Class 2, Type B	AEF 680	2000-239QB
	Geotextile: Class 2, Type B	AEF 880	2000-240Q
BELTN 15	Belton Industries, P.O. Box 127, Belton, SC 29627 <a href="http://www.beltonindustries.com/">http://www.beltonindustries.com/</a>		
	Geotextile: Class 2, Type A	Beltech 980	2003-200Q
	Geotextile: Class 2, Type B	Beltech 150 / 874	1998-064
	Geotextile: Class 2, Type B	Belton 776	1988-168
	Geotextile: Class 3, Type A	Beltech 200 / 880	1999-137Q
	Geotextile: Class 3, Type B	Beltech 820	2004-137QA
	Geotextile: Class 3, Type B	Beltech 940	2003-199Q
	Geotextile: Class 3, Type B	Belton 751	1987-306
	Geotextile: Class 4, Type B	Beltech 4 x 4	2008-159QA
	Geotextile: Class 4, Type B	Beltech 884	2001-132Q
Geotextile: Class 4, Type C	Beltech 4 x 4	2008-159QB	
CADYB 15	Cady Bag Company, LLC, P.O. Box 68, 41 Project Circle, Pearson, GA 31642 <a href="http://www.cadybag.com/">http://www.cadybag.com/</a>		
	Geotextile: Class 3, Type B	CSF 330	1995-212
CRORE 15	Crown Resources, LLC, 2694 Hayes Wilbanks Road, Toccoa, GA 30577 <a href="http://www.crownresources.net/home.html">http://www.crownresources.net/home.html</a>		
	Geotextile: Class 1	R060	2001-012Q
	Geotextile: Class 2, Type A	W200	1996-142
	Geotextile: Class 2, Type B	TNS R035	1996-145
	Geotextile: Class 2, Type B	W280	2001-055Q
	Geotextile: Class 3, Type A	W200	1996-143
	Geotextile: Class 4, Type A	E100P	2012-048Q
	Geotextile: Class 4, Type A	TNS E100	1996-150



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## Section 735: Geotextiles

### 735 Geotextile Fabric

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	Product	Name	Ref. No.
DALNO 15	Dalco Nonwovens, LLC, 2050 Evergreen Dr., NE, Conover, NC 28613 <a href="http://dalcononwovens.com/">http://dalcononwovens.com/</a>		
	Geotextile: Class 1	DalTex 1060	2005-068Q
	Geotextile: Class 4, Type A	DalTex 1100E	2005-071Q
DONLO 15	Don & Low LTD, Newfordpark House, Glamis Road, Forfar, Angus DD8 1FR Scotland		
	Geotextile: Class 2, Type A	Lotrak 200 GT	2006-209Q
	Geotextile: Class 3, Type A	Lotrak 200 GT	2006-209Q
DUPT2 15 Plant	E.I. Dupont de Nemours & Company, Dupont Tyvek, 4417 Lancaster Pike, Bldg. 728, Wilmington, DE 19805 Contern, Luxembourg		
	Geotextile: Class 1	DuPont SF49	2002-016Q
GSELT 15	GSE Lining Technology, Inc., 19103 Gundle Road, Houston, TX 77073 <a href="http://www.gseworld.com/">http://www.gseworld.com/</a>		
	Geotextile: Class 1	NW6	2002-121Q
	Geotextile: Class 1	NW8	2002-122Q
	Geotextile: Class 2, Type B	NW4	2002-123Q
	Geotextile: Class 2, Type B	NW6	2002-121Q
	Geotextile: Class 2, Type B	NW8	2002-122Q
	Geotextile: Class 3, Type B	NW4	2002-123Q
	Geotextile: Class 3, Type B	NW6	2002-121Q
	Geotextile: Class 3, Type B	NW8	2002-122Q
HUSKR 15 Plant	Huesker, Inc., 11107-A South Commerce Blvd., Charlotte, NC 28273 <a href="http://www.huesker.com/home.html">http://www.huesker.com/home.html</a> Gescher, Germany		
	Geotextile: Class 4, Type B	Comtrac P80/80	2003-134Q
	Geotextile: Class 4, Type C	Comtrac P80/80	2003-134Q
LINBC 15	Link Bridge Company, LTD, 12 Turtle Rock Court, Tiburon, CA 94920 <a href="http://linkbridgeco.com/">http://linkbridgeco.com/</a>		
	Geotextile: Class 2, Type B	LB 200G/PADOT	2013-036QB
	Geotextile: Class 3, Type B	LB 200G/PADOT	2013-036QD



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## Section 735: Geotextiles

### 735 Geotextile Fabric

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	Product	Name	Ref. No.
NORGC 15	North Georgia Converting, Inc., 256 Paper Lane, Clarkesville, GA 30523 Geotextile: Class 3, Type A	W200	2004-179QA

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## Section 735: Geotextiles

### 735 Geotextile Fabric

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Product	Name	Ref. No.
PROP1 15 Propex, Inc., 4019 Industry Drive, P.O. Box 22788, Chattanooga, TN 37416 <a href="http://www.propexglobal.com/">http://www.propexglobal.com/</a>		
Geotextile: Class 1	Geotex 601	2001-051Q
Geotextile: Class 1	Geotex 801	1990-162
Geotextile: Class 2, Type A	Geotex 102F	1994-299
Geotextile: Class 2, Type A	Geotex 104F	1996-221
Geotextile: Class 2, Type A	Geotex 106F	1986-266
Geotextile: Class 2, Type A	Geotex 111F	1994-102
Geotextile: Class 2, Type A	Geotex 2 x 2 HF	1991-278
Geotextile: Class 2, Type A	Geotex 200ST	1996-069C
Geotextile: Class 2, Type A	Geotex 200ST	2005-085Q
Geotextile: Class 2, Type B	Geotex 135ST	1986-303
Geotextile: Class 2, Type B	Geotex 135ST	1996-069B
Geotextile: Class 2, Type B	Geotex 200ST	2001-112Q
Geotextile: Class 2, Type B	Geotex 315ST	1986-216
Geotextile: Class 2, Type B	Geotex 351	1996-069G
Geotextile: Class 2, Type B	Geotex 451	1985-005
Geotextile: Class 2, Type B	Geotex 501	1993-252B
Geotextile: Class 2, Type B	Geotex 601	1988-012
Geotextile: Class 2, Type B	Geotex 801	1987-372
Geotextile: Class 3, Type A	Geotex 106F	1989-306
Geotextile: Class 3, Type A	Geotex 200ST	2005-093Q
Geotextile: Class 3, Type B	Geotex 135ST	1986-304
Geotextile: Class 3, Type B	Propex 2130	1991-324
Geotextile: Class 4, Type A	Geotex 1071	2008-044Q
Geotextile: Class 4, Type A	Geotex 1201	1993-252E
Geotextile: Class 4, Type A	Geotex 1291	1987-106
Geotextile: Class 4, Type A	Geotex 1291	1987-107
Geotextile: Class 4, Type B	Geotex 4 x 4	2002-133Q
Geotextile: Class 4, Type C	Geotex 4 x 4	2002-133Q



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## Section 735: Geotextiles

### 735 Geotextile Fabric

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	Product	Name	Ref. No.
PROP1 15	Propex, Inc., 4019 Industry Drive, P.O. Box 22788, Chattanooga, TN 37416 <a href="http://www.propexglobal.com/">http://www.propexglobal.com/</a> Geotextile: Class 4, Type C	Geotex 4 x 6	2001-053Q





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### 735 Geotextile Fabric

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Product	Name	Ref. No.
PROP2 15 Plant	Propex, Inc., 4019 Industry Drive, P.O. Box 22788, Chattanooga, TN 37416 <a href="http://www.propexglobal.com/">http://www.propexglobal.com/</a> Ringgold, GA	
Geotextile: Class 1	Geotex 601	2001-051Q
Geotextile: Class 1	Geotex 801	1990-162
Geotextile: Class 2, Type A	Geotex 102F	1994-299
Geotextile: Class 2, Type A	Geotex 104F	1996-221
Geotextile: Class 2, Type A	Geotex 106F	1986-266
Geotextile: Class 2, Type A	Geotex 111F	1994-102
Geotextile: Class 2, Type A	Geotex 2 x 2 HF	1991-278
Geotextile: Class 2, Type A	Geotex 200ST	1996-069C
Geotextile: Class 2, Type A	Geotex 200ST	2005-085Q
Geotextile: Class 2, Type B	Geotex 135ST	1986-303
Geotextile: Class 2, Type B	Geotex 135ST	1996-069B
Geotextile: Class 2, Type B	Geotex 200ST	2001-112Q
Geotextile: Class 2, Type B	Geotex 315ST	1986-216
Geotextile: Class 2, Type B	Geotex 351	1996-069G
Geotextile: Class 2, Type B	Geotex 451	1985-005
Geotextile: Class 2, Type B	Geotex 501	1993-252B
Geotextile: Class 2, Type B	Geotex 601	1988-012
Geotextile: Class 2, Type B	Geotex 801	1987-372
Geotextile: Class 3, Type A	Geotex 106F	1989-306
Geotextile: Class 3, Type A	Geotex 200ST	2005-093Q
Geotextile: Class 3, Type B	Geotex 135ST	1986-304
Geotextile: Class 3, Type B	Propex 2130	1991-324
Geotextile: Class 4, Type A	Geotex 1071	2008-044Q
Geotextile: Class 4, Type A	Geotex 1101	1994-021
Geotextile: Class 4, Type A	Geotex 1101P	2011-276Q
Geotextile: Class 4, Type A	Geotex 1201	1993-252E
Geotextile: Class 4, Type A	Geotex 1291	1987-106



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### 735 Geotextile Fabric

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	Product	Name	Ref. No.
<b>PROP2 15</b>	<b>Propex, Inc., 4019 Industry Drive, P.O. Box 22788, Chattanooga, TN 37416 <a href="http://www.propexglobal.com/">http://www.propexglobal.com/</a></b>		
<b>Plant</b>	<b>Ringgold, GA</b>		
	Geotextile: Class 4, Type A	Geotex 1291	1987-107
	Geotextile: Class 4, Type B	Geotex 4 x 4	2002-133Q
	Geotextile: Class 4, Type C	Geotex 4 x 4	2002-133Q
	Geotextile: Class 4, Type C	Geotex 4 x 6	2001-053Q
<b>REEMA 15</b>	<b>Reemay, Inc., 70 Old Hickory Boulevard, Old Hickory, TN 37138-3651 <a href="http://fiberwebfiltration.com/">http://fiberwebfiltration.com/</a></b>		
	Geotextile: Class 1	Typar 3501	2001-035Q
	Geotextile: Class 1	Typar 3601	1988-138
	Geotextile: Class 2, Type B	Typar 3601	----
	Geotextile: Class 3, Type B	Typar 3301	1987-183
<b>SKA-1 15</b>	<b>SKAPS Industries Nonwoven Division, 316 South Holland Drive, Pendergrass, GA 30567 <a href="http://www.skaps.com/">http://www.skaps.com/</a></b>		
	Geotextile: Class 1	GT 160	2003-139Q
	Geotextile: Class 1	GT 180	2003-140Q
	Geotextile: Class 2, Type A	SW 200	2006-194Q
	Geotextile: Class 2, Type B	GT 135	2004-146Q
	Geotextile: Class 3, Type A	SW 200	2006-194Q
	Geotextile: Class 4, Type A	GE 110	2003-137Q
<b>SKA-2 15</b>	<b>SKAPS Industries Nonwoven Division, 335 Athena Drive, Athens, GA 30601 <a href="http://www.skaps.com/">http://www.skaps.com/</a></b>		
	Geotextile: Class 2, Type B	SW 200	2009-085Q



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### 735 Geotextile Fabric

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Product	Name	Ref. No.
<b>TCGEO 15</b> TenCate Geosynthetics, 365 South Holland Drive, Pendergrass, GA 30567 <a href="http://www.tencate.com/">http://www.tencate.com/</a>		
Geotextile: Class 1	Mirafi 160N	2001-018Q
Geotextile: Class 2, Type A	Mirafi 500X	2003-080Q
Geotextile: Class 2, Type A	Mirafi FW402	1987-427
Geotextile: Class 2, Type A	Mirafi FW404	2001-075Q
Geotextile: Class 2, Type A	Mirafi FW700	1986-164
Geotextile: Class 2, Type B	Mirafi 140N	1993-112
Geotextile: Class 2, Type B	Mirafi 140NC	2006-231Q
Geotextile: Class 2, Type B	Mirafi 140NL	2006-232Q
Geotextile: Class 2, Type B	Mirafi FW700	1986-164
Geotextile: Class 2, Type B	Mirafi FW700	1988-070
Geotextile: Class 3, Type A	Mirafi 500X	2003-081Q
Geotextile: Class 3, Type A	Mirafi FW700	1987-114
Geotextile: Class 4, Type A	Mirafi 1100NPA	1993-406
Geotextile: Class 4, Type A	Mirafi 1100NPA	2006-108Q
Geotextile: Class 4, Type A	Mirafi 1120N	1996-229
Geotextile: Class 4, Type B	Mirafi 830X	2012-215Q
Geotextile: Class 4, Type B	Mirafi HP565	2001-077Q
Geotextile: Class 4, Type B	Mirafi HP570	2001-111Q
Geotextile: Class 4, Type C	Mirafi HP565	2001-077Q
<b>TERAM 15</b> Terram Limited, Mamhilad, Pontypool, Gwent, United Kingdom <a href="http://www.terram.com/">http://www.terram.com/</a>		
Geotextile: Class 1	Terram 1300 UVDG	2002-028Q
Geotextile: Class 1	Terram 2000 UVDG	2002-029Q
Geotextile: Class 2, Type B	Terram 1300 UVDG	2002-031Q
Geotextile: Class 2, Type B	Terram 900 UVDG	2002-030Q



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## Section 735: Geotextiles

### 735 Geotextile Fabric

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	Product	Name	Ref. No.
THRL1 15	Thrace-LINQ, Inc., 2550 West 5th North Street, Summerville, SC 29483-9699 <a href="http://thracelinq.com/">http://thracelinq.com/</a>		
	Geotextile: Class 1	150 EX	2001-027Q
	Geotextile: Class 2, Type B	125 EX	1996-009
	Geotextile: Class 3, Type B	125 EX	1996-009
	Geotextile: Class 4, Type A	250 EX	1989-066
THRL2 15 Plant	Thrace-LINQ, Inc., 2550 West 5th North Street, Summerville, SC 29483-9699 <a href="http://thracelinq.com/">http://thracelinq.com/</a>		
	Xanthia, Greece		
	Geotextile: Class 2, Type A	GTF 200	2010-090Q
	Geotextile: Class 2, Type B	GTF 200	2010-090Q
	Geotextile: Class 2, Type B	GTF 300	2009-122QB
	Geotextile: Class 3, Type A	GTF 200	2010-090Q
	Geotextile: Class 3, Type B	190 SF	2009-119Q
	Geotextile: Class 4, Type B	GTF 500	2009-010QAB
	Geotextile: Class 4, Type C	GTF 500	2009-010QAB
WINFB 15	Willacoochee Ind. Fabrics, Inc, 769 West Main Street, P.O. Box 599, Willacoochee, GA 31650 <a href="http://winfabusa.com/">http://winfabusa.com/</a>		
	Geotextile: Class 2, Type A	Winfab 200W	2011-102QA
	Geotextile: Class 3, Type A	Winfab 200W	2011-102QB
	Geotextile: Class 4, Type B	Winfab 4 x 4	2011-103QA
	Geotextile: Class 4, Type C	Winfab 4 x 4	2011-103QB



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## Section 736: Geomembrane

### 736 Geomembrane, High Density Polyethylene (HDPE)

Last Revised: 5/27/2015

	Product	Name	Ref. No.
AGRUA 15	Agru America, Inc., 700 Rockmead, Suite 150, Kingwood, TX 77339 <a href="http://agruamerica.com/">http://agruamerica.com/</a>		
	Geomembrane (HDPE)	AA Microspike	1999-196
	Geomembrane (HDPE)	AA Smooth	1999-196
GSELT 15	GSE Lining Technology, Inc., 19103 Gundle Road, Houston, TX 77073 <a href="http://www.gseworld.com/">http://www.gseworld.com/</a>		
	Geomembrane (HDPE)	GSE HD Smooth	1999-189
	Geomembrane (HDPE)	GSE HD Textured	1999-189
RAVEN 15	Raven Industries, Inc., 1813 "E" Avenue, Sioux Falls, SD 57104 <a href="http://ravenind.com/">http://ravenind.com/</a>		
	Geomembrane (HDPE)	Rufco 3300B	2001-125Q
SOLMX 15	Solmax International, Inc., 2801 Marie-Victorin Boulevard, Varennes, Quebec J3X 1P7 <a href="http://www.solmax.com/">http://www.solmax.com/</a>		
	Geomembrane (HDPE)	400 Series	2000-148



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## Section 737: Geocell

### 737 Geocell

Last Revised: 5/27/2015

	Product	Name	Ref. No.
GEOPR 15	Geo Products, 8615 Golden Spike Lane, Houston, TX 77086 <a href="http://www.geoproducts.org/">http://www.geoproducts.org/</a> Geocell, Perforated	TerraCell	2001-122Q
PREST 15	Presto Products Company, P.O. Box 2399, Appleton, WI 54912-2399 <a href="http://prestoproducts.com/">http://prestoproducts.com/</a> Geocell, Perforated	GeoWeb GW20V	2001-063Q



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## Section 738: Geogrids

### 738.2 Class 1 Uniaxial Geogrid Reinforcement

Last Revised: 5/27/2015

Product	Name	Allowable Tensile Strength	Ref. No.
ACEGE 15	Ace Geosynthetics Enterprise Company, Ltd., No. 33 Jing 3 Road, C.E.P.Z. Wuchi District, Taichung City 43541 Geogrid: Type A, (PET) PVC Coated Polyester	<a href="http://www.geoace.com/">http://www.geoace.com/</a> 2190	2012-027ME

### 738.3 Class 2 and 3 Biaxial Geogrids

Last Revised: 5/27/2015



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### **Section 802: Topsoil Furnished and Placed**

#### **802 Topsoil**

Project-Specific, Locally Approved Material.

In accordance with Publication 408, Section 106.02(a)2.c, a material specified for use in this Section is defined as a Project-Specific, Locally Approved Material.

PennDOT does not require manufacturers of Project-Specific, Locally Approved Materials to submit a Product Evaluation Application (Form CS-4170) for approval and listing of their material(s) in Bulletin 15. Project-Specific, Locally Approved Materials are not listed in Bulletin 15.

Contractors proposing to use materials that meet the specification requirements must list them on Form CS-200 (Source of Supply-Materials) and submit them for local approval by the Representative (i.e. at the District or project level). Refer to Publication 408, Section 802 for specification requirements. Submit for local approval by the Representative (i.e. at the District or project level) independent testing performed within the past 12 months confirming that the topsoil meets the specification requirements.

Also refer to the Project Specific, Locally Approved Materials section (Section 106) of Bulletin 15 for a complete listing of Publication 408 Sections that fall within this category.





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## Section 805: Mulching

### 805.2(a)1 Mulches: Seeded Areas

Last Revised: 5/27/2015

	Product	Name	Ref. No.
AMEE1 15 Plant	American Excelsior Company, 850 Avenue H East, P.O. Box 5067, Arlington, TX 76011 831 Pioneer Avenue Rice Lake, WI	<a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a>	
	Wood Fiber	Excel Wood Fiber Mulch II	1992-313
ENCAP 15	Encap, LLC, 3921 Algoma Road, Green Bay, WI 54311-9707	<a href="http://encap.net/">http://encap.net/</a>	
	Wood Fiber <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Pam-12 Recycled Paper Mulch	2007-128
MATT1 15	Mat, Inc., 12402 Highway 2, Floodwood, MN 55736	<a href="http://mat-inc.net/">http://mat-inc.net/</a>	
	Wood Fiber	Bindex Wood WT	2011-074QA
	Wood Fiber	Mat Fiber Plus	1992-150D
NYPPR 15	New York Pellet Products, Inc., 274 Sandusky Road, Arcade, NY 14009		
	Pellet Mulch	PennMulch	1996-163
PROFP 15	Profile Products, 219 Simpson Street, Conover, NC 28613	<a href="http://www.profileproducts.com/">http://www.profileproducts.com/</a>	
	Wood Fiber	Conwed Fibers 2000	1990-279
	Wood Fiber	Conwed Fibers Hydro Mulch 1000	2014-162MB
TENSR 15	Tensar International Corporation, 7265 AL Highway 9S, Centre, AL 35960	<a href="http://www.tensarcorp.com/">http://www.tensarcorp.com/</a>	
	<b>Formerly Mulch and Seed Innov. (MULSI)</b>		
	Wood Fiber <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	GeoSkin Hydraulic (Wood Fiber Alternate)	2010-125
	Wood Fiber <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	GeoSkin XT Hydraulic (Wood Fiber Alternate)	2010-135

### 805.2(a)1.e Mulches: Seeded Areas, Bonded Fiber Matrix

Last Revised: 5/27/2015



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## Section 805: Mulching

### 805.2(a)1.e Mulches: Seeded Areas, Bonded Fiber Matrix

Last Revised: 5/27/2015

Product	Name	Ref. No.
<b>CARPF 15</b> Carolina Precision Fibers, Inc., 145 Factory Street, Rhonda, NC 28670 <a href="http://www.carolinafibers.com/">http://www.carolinafibers.com/</a> Polymer or Hydrocolloid Binder Matrix	Mulch and Grow BFM	2014-008Q
<b>CENTF 15</b> Central Fiber Corporation, 4814 Fiber Lane, Wellsville, KS 66092 <a href="http://www.centralfiber.com/">http://www.centralfiber.com/</a> Polymer or Hydrocolloid Binder Matrix Polymer or Hydrocolloid Binder Matrix	Enviro Matt Spray Matt	2013-156Q 2013-157Q
<b>EMSAL 15</b> E M Sales, LLC, 212 East High Street, Suite 102, Pottstown, PA 19464 <a href="http://emsalesllc.com/">http://emsalesllc.com/</a> Polymer or Hydrocolloid Binder Matrix	Fibre Mat	1997-133
<b>MATT 15</b> Mat, Inc., 12402 Highway 2, Floodwood, MN 55736 <a href="http://mat-inc.net/">http://mat-inc.net/</a> Polymer or Hydrocolloid Binder Matrix Polymer or Hydrocolloid Binder Matrix <i>Provisionally Approved: Contact NPI before using at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i> Polymer or Hydrocolloid Binder Matrix	Bindex BFM Flex Guard Soil Guard	2011-074QB 2010-004Q 1996-046
<b>PROFP 15</b> Profile Products, 219 Simpson Street, Conover, NC 28613 <a href="http://www.profileproducts.com/">http://www.profileproducts.com/</a> Polymer or Hydrocolloid Binder Matrix Polymer or Hydrocolloid Binder Matrix <i>Provisionally Approved: Contact NPI before using at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Flexterra FGM Hydro-Blanket	1998-153 2006-003Q
<b>TENSR 15</b> Tensar International Corporation, 7265 AL Highway 9S, Centre, AL 35960 <a href="http://www.tensarcorp.com/">http://www.tensarcorp.com/</a> <b>Formerly Mulch and Seed Innov. (MULSI)</b> Polymer or Hydrocolloid Binder Matrix <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i> Polymer or Hydrocolloid Binder Matrix <i>Also: Ground Control HY-C3 High Performance Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	HydraCX2 Extreme Slope Matrix Hydro CM Hydraulically-Applied Mulch	2009-066 2011-133



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## Section 805: Mulching

### 805.2(a)1.e Mulches: Seeded Areas, Bonded Fiber Matrix

Last Revised: 5/27/2015

	Product	Name	Ref. No.
TERRN 15	Terra Novo, 2930 Patton Way, Bakersfield, CA 93308 <a href="http://www.terrano.com/">http://www.terrano.com/</a> Polymer or Hydrocolloid Binder Matrix	EarthGuard Fiber Matrix	2013-053Q
USGY1 15	U. S. Gypsum Company, Industrial Products, 125 South Franklin Street, Chicago, IL 60606-4678 Gypsum Binder Matrix	Airtrol	1994-114
	Gypsum Binder Matrix	Enviro-Shield	2006-189Q

### 805.2(a)2 Mulches: Planting and Other Areas

Last Revised: 5/27/2015

	Product	Name	Ref. No.
L&W-D 15	L & W Demolition Company, 2224 Paxton Street, Rear, Harrisburg, PA 17111 <a href="http://lwdemolition.com/">http://lwdemolition.com/</a> Shredded Bark		1991-029
LAUVS 15	Laurel Valley Soils, P.O. Box 640, Avondale, PA 19311 <a href="http://laurelvalleysoils.com/">http://laurelvalleysoils.com/</a> Spent Mushroom Compost	LVS Horticultural Compost	2003-013Q
	Spent Mushroom Compost	LVS Premium Compost	2003-013Q

### 805.2(b) Mulch Binders

Last Revised: 5/27/2015

Wood Fiber [See 805.2(a)1.c]

	Product	Name	Ref. No.
AMEEO 15	American Excelsior Company, 850 Avenue H East, Arlington, TX 76011 <a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a> Nonasphaltic Emulsion	AM-TAC	1990-278
CARPF 15	Carolina Precision Fibers, Inc., 145 Factory Street, Rhonda, NC 28670 <a href="http://www.carolinafibers.com/">http://www.carolinafibers.com/</a> Recycled Cellulose Fiber	Mulch and Grow Hybrid 70/30 Blend	2010-007Q
	Recycled Cellulose Fiber	Mulch and Grow Premium Cellulose	2010-006Q
	Recycled Cellulose Fiber/Wood Fiber Mixture	PF Wood Blend 70/30 Mulch	2004-077Q



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## Section 805: Mulching

### 805.2(b) Mulch Binders

Last Revised: 5/27/2015

Wood Fiber [See 805.2(a)1.c]

	Product	Name	Ref. No.
CENTF 15	Central Fiber Corporation, 4814 Fiber Lane, Wellsville, KS 66092 <a href="http://www.centralfiber.com/">http://www.centralfiber.com/</a>		
	Recycled Cellulose Fiber	Second Nature Wood Fiber	1991-182
EMSAL 15	E M Sales, LLC, 212 East High Street, Suite 102, Pottstown, PA 19464 <a href="http://emsalesllc.com/">http://emsalesllc.com/</a>		
	Nonasphaltic Emulsion	Mulchmate Hydro Tac	1987-187
	Recycled Cellulose Fiber	Quickseed	1987-187
MATTT 15	Mat, Inc., 12402 Highway 2, Floodwood, MN 55736 <a href="http://mat-inc.net/">http://mat-inc.net/</a>		
	Recycled Cellulose Fiber	Mat Blend	1992-150A
	Recycled Cellulose Fiber	Mat Blend Plus	1992-150B
	Recycled Cellulose Fiber/Wood Fiber Mixture	Bindex Blend WT	2011-074QC
PINNA 15	Pinnacle Industries, 160 Wilber Placw, Bohemia, NY 11716 <a href="http://pinnacleindustriesltd.com/en/home">http://pinnacleindustriesltd.com/en/home</a>		
	Recycled Cellulose Fiber	Evergreen Fiber Mulch	1994-013
PLWBC 15	Plant Wise Biostimulant Company, 1402 West Main Street, Louisville, KY 40203-1328 <a href="http://www.plant-wise.com/">http://www.plant-wise.com/</a>		
	Nonasphaltic Emulsion	TAC-L	2001-082Q
PROFP 15	Profile Products, 219 Simpson Street, Conover, NC 28613 <a href="http://www.profileproducts.com/">http://www.profileproducts.com/</a>		
	Nonasphaltic Emulsion	Contact	1990-280
	Recycled Cellulose Fiber	SoilCover® Cellulose	2014-163Q
	Recycled Cellulose Fiber	Terra-Mulch® Cellulose	2014-064Q
RANTC 15	Rantec Corporation, 17 Kukuchka Lane, P.O. Box 729, Ranchester, WY 82839 <a href="http://www.ranteccorp.com/">http://www.ranteccorp.com/</a>		
	Nonasphaltic Emulsion	HF5000 Tack	2012-211
TURGD 15 Plant	Turf Guard Manufacturing, Inc., 489 Sweet Valley Road, Hunlock Creek, PA 18621 West Nanticoke, PA 18634		
	Nonasphaltic Emulsion	Earth Bond	2002-017Q



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## Section 805: Mulching

### 805.2(c) Mulch Control Netting

Last Revised: 5/27/2015

	Product	Name	Ref. No.
BELTN 15	Belton Industries, P.O. Box 127, Belton, SC 29627 <a href="http://www.beltonindustries.com/">http://www.beltonindustries.com/</a> Coconut Coir Netting	Dekowe Geonet	----
TENX0 15	Tenax Corporation, 4800 East Monument Street, Baltimore, MD 21205 <a href="http://www.tenaxus.com/">http://www.tenaxus.com/</a> Plastic Netting	Ornex LM	1999-036Q

### 805.2(d) Weed Barrier and Weed Control Mats

Last Revised: 5/27/2015

	Product	Name	Ref. No.
HANG0 15	Hanes Geo Components, 815 Buxton Street, Winston-salem, NC 27101 <a href="http://hanesgeo.com/">http://hanesgeo.com/</a> Weed Barrier Mat Weed Barrier Mat Weed Barrier Mat	Terra Tex NO3 Terra Tex NO4 Terra Top WC	1996-125 1986-295 ----
REEMA 15	Reemay, Inc., 70 Old Hickory Boulevard, Old Hickory, TN 37138-3651 <a href="http://fiberwebfiltration.com/">http://fiberwebfiltration.com/</a> Weed Control Mat	Biobarrier II	1994-304
THRL1 15	Thrace-LINQ, Inc., 2550 West 5th North Street, Summerville, SC 29483-9699 <a href="http://thracelinq.com/">http://thracelinq.com/</a> Weed Barrier Mat Weed Barrier Mat Weed Barrier Mat	125EX GTF 200 WBM GTF 200S	1999-120Q 1991-329 1994-197



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## Section 806: Rolled Erosion Control (EC) Products

### 806.2(a) Erosion Control (EC) Mats and EC Mulch Blankets

Last Revised: 5/28/2015

	Product	Name	Ref. No.
ABITC 15	<b>Abitec, Inc., 105 Grove Circle, Chalfont, PA 18914</b>		
	EC Mat	Jute Mat	1999-192Q
AMEE0 15	<b>American Excelsior Company, 850 Avenue H East, Arlington, TX 76011</b> <a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a>		
	EC Mulch Blanket (Organic Mulch)	Curlex I Excel Blanket	1982-029
	EC Mulch Blanket (Organic Mulch)	Curlex Quickgrass	----
	High Velocity EC Mulch Blanket	Curlex II Excel Blanket	----
	High Velocity EC Mulch Blanket	Curlex III (HV)	----
AMEE1 15	<b>American Excelsior Company, 850 Avenue H East, P.O. Box 5067, Arlington, TX 76011</b> <a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a>		
Plant	<b>831 Pioneer Avenue Rice Lake, WI</b>		
	EC Mulch Blanket (Organic Mulch)	AEC Premier Straw Single Net	2008-064Q
	High Velocity EC Mulch Blanket	AEC Premier Straw Double Net	2008-065Q
	High Velocity EC Mulch Blanket	AEC Premier Straw/Coconut	2006-091Q
	High Velocity EC Mulch Blanket	Curlex Enforcer	2006-089Q
	High Velocity EC Mulch Blanket	Curlex II CL	2012-106Q
AMEEA 15	<b>American Earth Solutions, LLC, 5830 Highway 161, Springfield, TN 37172</b> <b>Formerly Robex LLC (ROBEX)</b>		
	EC Mulch Blanket (Organic Mulch)	RobexShield RS-1	2001-069Q
	High Velocity EC Mulch Blanket	RobexShield RS-2	2001-070Q
BELTN 15	<b>Belton Industries, P.O. Box 127, Belton, SC 29627</b> <a href="http://www.beltonindustries.com/">http://www.beltonindustries.com/</a>		
	EC Mat	Antiwash	1987-373



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## Section 806: Rolled Erosion Control (EC) Products

### 806.2(a) Erosion Control (EC) Mats and EC Mulch Blankets

Last Revised: 5/28/2015

Product	Name	Ref. No.
<b>EACEB 15</b>	<b>East Coast Erosion Blankets, 443 Bricker Road, Bernville, PA 19506 <a href="http://eastcoasterosion.com/default.aspx">http://eastcoasterosion.com/default.aspx</a></b>	
EC Mat	EC-7Y	2011-079Q
EC Mulch Blanket (Organic Mulch)	ECS-1	2003-027Q
EC Mulch Blanket (Organic Mulch)	ECS-1B Single Net Straw	2008-110
<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
EC Mulch Blanket (Organic Mulch)	ECS-1D	2009-134Q
EC Mulch Blanket (Organic Mulch)	ECX-1 Curled Wood	2004-182Q
High Velocity EC Mulch Blanket	ECC-2	2005-038Q
High Velocity EC Mulch Blanket	ECC-2B Double Net Coconut	2008-108
<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
High Velocity EC Mulch Blanket	ECS-2 Straw	2003-028Q
High Velocity EC Mulch Blanket	ECS-2B Double Net Straw	2008-111
<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
High Velocity EC Mulch Blanket	ECS-2D Temporary Straw	2003-031Q
High Velocity EC Mulch Blanket	ECSC-2 Straw Coconut	2003-029Q
High Velocity EC Mulch Blanket	ECSC-2B Double Net Straw/Coconut	2008-109
<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the Conditionally Approved product is used. Contact NPI at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
High Velocity EC Mulch Blanket	ECX-2	2004-183Q
<b>ECS-P 15</b>	<b>Erosion Control Systems, Inc., 9015 Energy Lane, Northport, AL 35476</b>	
EC Mulch Blanket (Organic Mulch)	Proguard S1	1991-288A
High Velocity EC Mulch Blanket	Everhold XL1	1991-301A
High Velocity EC Mulch Blanket	Everhold XL2	1991-301B
High Velocity EC Mulch Blanket	Proguard S2	1991-288B



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## Section 806: Rolled Erosion Control (EC) Products

### 806.2(a) Erosion Control (EC) Mats and EC Mulch Blankets

Last Revised: 5/28/2015

Product	Name	Ref. No.
<b>ENV11 15</b>	<b>Enviroscape ECM, Ltd., 22700 State Route 613, Oakwood, OH 45873 <a href="http://www.strawblanket.com/">http://www.strawblanket.com/</a></b>	
	EC Mulch Blanket (Organic Mulch)	2003-082Q
	High Velocity EC Mulch Blanket	2003-083Q
	High Velocity EC Mulch Blanket	2010-313QC
<b>EROCB 15</b>	<b>Erosion Control Blanket, Highway 8 &amp; Viridir Line Road, Riverton R0C 2R0 <a href="http://www.erosioncontrolblanket.com/">http://www.erosioncontrolblanket.com/</a></b>	
	EC Mulch Blanket (Organic Mulch)	2007-031Q
	EC Mulch Blanket (Organic Mulch)	2007-024Q
	High Velocity EC Mulch Blanket	2007-025Q
	High Velocity EC Mulch Blanket	2007-026Q
	High Velocity EC Mulch Blanket	2007-027Q
<b>INDVA 15</b>	<b>Indian Valley Industries, Inc., 100 Corliss Avenue, Johnson City, NY 13790</b>	
	EC Mat	1994-160
<b>JOHNS 15</b>	<b>Johnston-Morehouse Dickey Company, 5401 Progress Boulevard, P.O. Box 173, Bethel Park, PA 15102 <a href="http://www.jmdcompany.com/">http://www.jmdcompany.com/</a></b>	
	EC Mat	1988-154
<b>NOAMG 15</b>	<b>North American Green, 14649 Highway 41 North, Evansville, IN 47711 <a href="http://www.tensarnagreen.com/">http://www.tensarnagreen.com/</a></b>	
	EC Mulch Blanket (Organic Mulch)	1990-121
	EC Mulch Blanket (Organic Mulch)	1990-119
	EC Mulch Blanket (Organic Mulch)	1990-118
	High Velocity EC Mulch Blanket	1990-124
	High Velocity EC Mulch Blanket	1995-018
	High Velocity EC Mulch Blanket	1990-120
	High Velocity EC Mulch Blanket	1990-122
<b>NYPPA 15</b>	<b>NYP Corporation - PA Division, 10 Site Road, Leola, PA 17540 <a href="http://nyp-corp.com/">http://nyp-corp.com/</a></b>	
	EC Mat	2001-222Q





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## Section 806: Rolled Erosion Control (EC) Products

### 806.2(a) Erosion Control (EC) Mats and EC Mulch Blankets

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	Product	Name	Ref. No.
<b>SYNT1 15</b>	<b>SI Geosolutions, 4019 Industry Drive, Chattanooga, TN 37416</b>		
	EC Mat	Landlok 407GR (Polyjute)	1992-254
	EC Mulch Blanket (Organic Mulch)	Landlok S1	1991-212
	High Velocity EC Mulch Blanket	Landlok C2	1991-211
	High Velocity EC Mulch Blanket	Landlok CS2	1991-210
	High Velocity EC Mulch Blanket	Landlok S2	1991-213
<b>USECP 15</b>	<b>US Erosion Control Products, 1034 Albany Avenue West, Pearson, GA 31642</b>		
	High Velocity EC Mulch Blanket	US-2C	2012-002QD
	High Velocity EC Mulch Blanket	US-2S	2012-002QB
	High Velocity EC Mulch Blanket	US-2S/C	2012-002QC
<b>WESEX 15</b>	<b>Western Excelsior, Inc., 901 Grand Avenue, P.O. Box 659, Mancos, CO 81328 <a href="http://westernexcelsior.com/">http://westernexcelsior.com/</a></b>		
	EC Mulch Blanket (Organic Mulch)	EXCEL R-1 ECB	1985-201
	EC Mulch Blanket (Organic Mulch)	EXCEL S-2	2001-061Q
	EC Mulch Blanket (Organic Mulch)	EXCEL SR-1	2001-004Q
	EC Mulch Blanket (Organic Mulch)	EXCEL SR-1 Rapid Go	2001-005Q
	EC Mulch Blanket (Organic Mulch)	EXCEL SS-2 Rapid Go	2001-007Q
	High Velocity EC Mulch Blanket	EXCEL CC-4	2001-009Q
	High Velocity EC Mulch Blanket	EXCEL CS-3	2001-008Q
	High Velocity EC Mulch Blanket	EXCEL S-2	1996-154A
	High Velocity EC Mulch Blanket	EXCEL SD-3	1996-154B
	High Velocity EC Mulch Blanket	EXCEL SS-2	2001-006Q
	High Velocity EC Mulch Blanket	Permamat 100	1996-154D
	High Velocity EC Mulch Blanket	Permamat 150F ECB	1996-154E
	High Velocity EC Mulch Blanket	Permamat 200F	1996-154C

### 806.2(b) Turf Reinforcement Mat (TRM)

Last Revised: 5/28/2015

Product	Name	Ref. No.
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# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 806: Rolled Erosion Control (EC) Products

### 806.2(b) Turf Reinforcement Mat (TRM)

Last Revised: 5/28/2015

Product	Name	Ref. No.
<b>AMEE0 15</b>	<b>American Excelsior Company, 850 Avenue H East, Arlington, TX 76011 <a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a></b>	
Turf Reinforcement Mat (TRM)	Recyclax TRM	2002-009Q
<b>AMEE1 15</b>	<b>American Excelsior Company, 850 Avenue H East, P.O. Box 5067, Arlington, TX 76011 <a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a></b>	
<b>Plant</b> 831 Pioneer Avenue Rice Lake, WI		
Turf Reinforcement Mat (TRM)	Recyclax-TRM-V	2010-283Q
<b>EACEB 15</b>	<b>East Coast Erosion Blankets, 443 Bricker Road, Bernville, PA 19506 <a href="http://eastcoasterosion.com/default.aspx">http://eastcoasterosion.com/default.aspx</a></b>	
Turf Reinforcement Mat (TRM)	ECC-3 Coconut Triple Net	2007-167Q
Turf Reinforcement Mat (TRM)	ECP-2	2005-037Q
Turf Reinforcement Mat (TRM)	ECP-2 10 oz.	2013-112Q
Turf Reinforcement Mat (TRM)	ECP-3 TRM	2013-111Q
Turf Reinforcement Mat (TRM)	T-RECS/G	2011-201Q
<b>EROCB 15</b>	<b>Erosion Control Blanket, Highway 8 &amp; Viridir Line Road, Riverton R0C 2R0 <a href="http://www.erosioncontrolblanket.com/">http://www.erosioncontrolblanket.com/</a></b>	
Turf Reinforcement Mat (TRM)	P42	2007-029QA
<b>NOAMG 15</b>	<b>North American Green, 14649 Highway 41 North, Evansville, IN 47711 <a href="http://www.tensarnagreen.com/">http://www.tensarnagreen.com/</a></b>	
Turf Reinforcement Mat (TRM)	C350 TRM	2002-057Q
Turf Reinforcement Mat (TRM)	P300P TRM	1991-190
Turf Reinforcement Mat (TRM)	SC250 TRM	2010-300
<b>SYNT1 15</b>	<b>SI Geosolutions, 4019 Industry Drive, Chattanooga, TN 37416</b>	
Turf Reinforcement Mat (TRM)	Landlok Geomat 1060	1991-178
Turf Reinforcement Mat (TRM)	Landlok TRM 435	2005-048Q
Turf Reinforcement Mat (TRM)	Landlok TRM 450	2005-049Q
Turf Reinforcement Mat (TRM)	Pyramat	1996-024
<b>TENX0 15</b>	<b>Tenax Corporation, 4800 East Monument Street, Baltimore, MD 21205 <a href="http://www.tenaxus.com/">http://www.tenaxus.com/</a></b>	
Turf Reinforcement Mat (TRM)	Multimat 100	1998-202



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 806: Rolled Erosion Control (EC) Products

### 806.2(b) Turf Reinforcement Mat (TRM)

Last Revised: 5/28/2015

Product	Name	Ref. No.
WESEX 15	Western Excelsior, Inc., 901 Grand Avenue, P.O. Box 659, Mancos, CO 81328 <a href="http://westernexcelsior.com/">http://westernexcelsior.com/</a>	
	Turf Reinforcement Mat (TRM)	EXCEL PP5-10
		2001-060Q

### 806.2(c) Erosion Control and Revegetation (ECR) Mat

Last Revised: 5/28/2015

Product	Name	Ref. No.
AMEE1 15	American Excelsior Company, 850 Avenue H East, P.O. Box 5067, Arlington, TX 76011 <a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a>	
Plant	831 Pioneer Avenue Rice Lake, WI	
	ECR Mat, Type A	Curlex Enforcer
		2012-096Q
	ECR Mat, Type A	Recyclex TRM
		2011-130Q
	ECR Mat, Type A	Recyclex TRM-V
		2012-041Q
EACEB 15	East Coast Erosion Blankets, 443 Bricker Road, Bernville, PA 19506 <a href="http://eastcoasterosion.com/default.aspx">http://eastcoasterosion.com/default.aspx</a>	
	ECR Mat, Type A	ECC-3
		2004-009Q
	ECR Mat, Type A	ECP-2
		2009-135Q
	ECR Mat, Type A	ECP-2 10 oz.
		2010-143QB
	ECR Mat, Type A	ECP-3
		2010-153Q
	ECR Mat, Type A	ECSC-3
		2010-143QA
EROCB 15	Erosion Control Blanket, Highway 8 & Virdir Line Road, Riverton R0C 2R0 <a href="http://www.erosioncontrolblanket.com/">http://www.erosioncontrolblanket.com/</a>	
	ECR Mat, Type A	P42
		2007-029QB
GREES 15	Sika Greenstreak, 3400 Tree Court, Industrial Boulevard, Box 7139, St. Louis, MO 63177 <a href="http://usa.sika.com/">http://usa.sika.com/</a>	
	ECR Mat, Type B	Pec-Mat (ECRM)
		1987-198
NOAMG 15	North American Green, 14649 Highway 41 North, Evansville, IN 47711 <a href="http://www.tensarnagreen.com/">http://www.tensarnagreen.com/</a>	
	ECR Mat, Type A	C350 ECRM
		2002-057A



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 806: Rolled Erosion Control (EC) Products

### 806.2(c) Erosion Control and Revegetation (ECR) Mat

Last Revised: 5/28/2015

	Product	Name	Ref. No.
SYNT1 15	SI Geosolutions, 4019 Industry Drive, Chattanooga, TN 37416		
	ECR Mat, Type A	Landlok Geomat 1060	1991-178
	ECR Mat, Type A	Landlok Geomat 450	1991-179
	ECR Mat, Type A	Landlok TRM 435	1999-015Q
TENX0 15	Tenax Corporation, 4800 East Monument Street, Baltimore, MD 21205 <a href="http://www.tenaxus.com/">http://www.tenaxus.com/</a>		
	ECR Mat, Type A	Multimat 100	1998-203
WESEX 15	Western Excelsior, Inc., 901 Grand Avenue, P.O. Box 659, Mancos, CO 81328 <a href="http://westernexcelsior.com/">http://westernexcelsior.com/</a>		
	ECR Mat, Type A	EXCEL PP5-10	2001-010Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 808: Plants, Planting and Transplanting

### 808.2(a)6 Bare Root (BR) Plants

Last Revised: 3/18/2015

	Product	Name	Ref. No.
HORTA 15	Horticultural Alliance, Inc., P.O. Box 5744, Sarasota, FL 34239 <a href="http://www.horticulturalalliance.com/">http://www.horticulturalalliance.com/</a>		
	Superconcentrated Water Absorbent Gel	Horta-Sorb SM	1998-161

### 808.2(c) Fertilizer

Last Revised: 3/18/2015

	Product	Name	Ref. No.
UNIQF 15	U.F.I., 205 Caulfield Avenue, Deptford, NJ 08096 <a href="http://www.ufi.org/">http://www.ufi.org/</a>		
	Fertilizer	The Unique Feeder, 16-8-16 Packet 4 oz.	----

### 808.2(f) Soil Amendments

Last Revised: 3/18/2015

	Product	Name	Ref. No.
HORTA 15	Horticultural Alliance, Inc., P.O. Box 5744, Sarasota, FL 34239 <a href="http://www.horticulturalalliance.com/">http://www.horticulturalalliance.com/</a>		
	Mycorrhizal Inoculation (Trees)	Diehard Transplant	1998-179
	Water Absorbent Polymer	Horta-Sorb LG	1998-160
LAUVS 15	Laurel Valley Soils, P.O. Box 640, Avondale, PA 19311 <a href="http://laurelvalleysoils.com/">http://laurelvalleysoils.com/</a>		
	Spent Mushroom Soil Compost	LVS Horticultural Compost	2003-014Q
	Spent Mushroom Soil Compost	LVS Premium Compost	2003-014Q
PLTHC 15	Plant Health Care, Inc., 440 William Pitt Way, Pittsburgh, PA 15238 <a href="http://www.planthealthcare.com/">http://www.planthealthcare.com/</a>		
	Mycorrhizal Inoculation (Bare Root Seedlings and Transplants)	Mycor Tree Root Dip	1998-167
	Mycorrhizal Inoculation (Trees)	Mycor Tree Saver	1998-166
UAJA- 15	University Area Joint Authority, 1576 Spring Valley Road, State College, PA 16801 <a href="http://uaja.com/">http://uaja.com/</a>		
	Sewage Sludge Compost	UAJA Compost	1993-141

### 808.2(g)3 Collar Strap Attachments

Last Revised: 3/18/2015



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 808: Plants, Planting and Transplanting

### 808.2(g)3 Collar Strap Attachments

Last Revised: 3/18/2015

	Product	Name	Ref. No.
KESLK 15	Keslick and Son, 214 North Penn Street, West Chester, PA 19380 Collar Strap Attachment	CambGuards	1996-033
NEPTC 15	Neptco, Inc., 30 Hamlet Street, Pawtucket, RI 02861 <a href="http://www.neptco.com/">http://www.neptco.com/</a> Collar Strap Attachment	ArborTie	1995-277

### 808.2(i) Time-Release Water

Last Revised: 3/18/2015

	Product	Name	Ref. No.
DRIWA 15	Driwater, Inc., 50 Old Court House Square, Suite 606, Santa Rosa, CA 95404 <a href="http://driwater.com/">http://driwater.com/</a> Time-Release Water	Driwater	1995-186



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 857: Concrete Block Revetment Systems

### 857.2 Concrete Block Revetment Systems

Last Revised: 5/28/2015

	Product	Name	Ref. No.
BETPR 15	Bethlehem Precast, Inc., 835 East North Street, Bethlehem, PA 18017 <a href="http://www.bethlehemprecast.com/">http://www.bethlehemprecast.com/</a> Precaster, Concrete Block Revetment System <i>Licensors: International Erosion Control Systems</i>	Cable Concrete	1999-142Q
YORKB 15	York Building Products, Inc., 1020 North Hartley Street, York, PA 17404 <a href="http://www.yorkbuilding.com/">http://www.yorkbuilding.com/</a> Precaster, Concrete Block Revetment System <i>Licensors: Armortec Concrete Erosion Control Systems</i>	A-Jacks	2000-190Q
	Precaster, Concrete Block Revetment System <i>Licensors: Armortec Concrete Erosion Control Systems</i>	Armorflex	2000-188Q
	Precaster, Concrete Block Revetment System <i>Licensors: Armortec Concrete Erosion Control Systems</i>	Armorloc	2000-189Q



## **BULLETIN 15 (Publication 35) Qualified Products List for Construction**

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### **Section 860: Storm Inlet Protection**

Project-Specific, Locally Approved Material.

In accordance with Publication 408, Section 106.02(a)2.c, a material specified for use in this Section is defined as a Project-Specific, Locally Approved Material.

PennDOT does not require manufacturers of Project-Specific, Locally Approved Materials to submit a Product Evaluation Application (Form CS-4170) for approval and listing of their material(s) in Bulletin 15. Project-Specific, Locally Approved Materials are not listed in Bulletin 15.

Contractors proposing to use materials that meet the specification requirements must list them on Form CS-200 (Source of Supply-Materials) and submit them for local approval by the Representative (i.e. at the District or project level). Refer to Publication 408, Section 860 for specification and documentation requirements.

Also refer to the Project Specific, Locally Approved Materials section (Section 106) of Bulletin 15 for a complete listing of Publication 408 Sections that fall within this category.





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 865: Silt Barrier Fence

### 865.2 Geotextile Silt Fence Fabricators

Last Revised: 5/29/2015

Fabricate according to Standard Drawing RC-70M.

30" Fence Requires Mesh Support. Maximum Post Spacing is 8 feet for Fence using Class 3, Type A Geotextile. Maximum Post Spacing is 4 feet for Fence using Class 3, Type B Geotextile.

Product	Name	Geotextile Type	Max Post Spacing (ft)	Ref. No.	
<b>ACF-1 15</b>	<b>ACF Environmental, Inc., 2831 Cardwell Road, Richmond, VA 23234 <a href="http://www.acfenvironmental.com/view.aspx?page=home">http://www.acfenvironmental.com/view.aspx?page=home</a></b>				
	Silt Barrier Fence, 18" Height	PD3A18100	Class 3, Type A	8	2004-099Q
	Silt Barrier Fence, 18" Height	PD3B18052	Class 3, Type B	4	2004-100Q
	Silt Barrier Fence, 30" Height	PD3A30100	Class 3, Type A	8	2004-101Q
	<i>With Approved Mesh</i>				
	Silt Barrier Fence, 30" Height	PD3B30052	Class 3, Type B	4	2004-102Q
	<i>With Approved Mesh</i>				
<b>AMEE0 15</b>	<b>American Excelsior Company, 850 Avenue H East, Arlington, TX 76011 <a href="http://americanexcelsior.com/">http://americanexcelsior.com/</a></b>				
	Silt Barrier Fence, 18" Height	Silt Fence	Class 3, Type B	4	1989-155A
<b>HANG0 15</b>	<b>Hanes Geo Components, 815 Buxton Street, Winston-salem, NC 27101 <a href="http://hanesgeo.com/">http://hanesgeo.com/</a></b>				
	Silt Barrier Fence, 18" Height	IKEX 244B36 3B	Class 3, Type B	4	2004-172QA
	Silt Barrier Fence, 18" Height	IKEX 248B36 3A	Class 3, Type A	8	2004-172QB
	Silt Barrier Fence, 18" Height	P-Fence 303A	Class 3, Type A	8	1991-390
	Silt Barrier Fence, 18" Height	P-Fence 303B	Class 3, Type B	4	1991-391
	Silt Barrier Fence, 30" Height	IKEX 368B48 3A	Class 3, Type A	8	2004-171QA
	<i>With Approved Mesh</i>				
	Silt Barrier Fence, 30" Height	IKEX 368B48 3B	Class 3, Type B	4	2004-171QB
	<i>With Approved Mesh</i>				
	Silt Barrier Fence, 30" Height	P-Fence 423AM	Class 3, Type A	8	1991-392
	<i>With Approved Mesh</i>				
	Silt Barrier Fence, 30" Height	P-Fence 423BM	Class 3, Type B	4	1991-393
	<i>With Approved Mesh</i>				
<b>INDVA 15</b>	<b>Indian Valley Industries, Inc., 100 Corliss Avenue, Johnson City, NY 13790</b>				
	Silt Barrier Fence, 18" Height	1813-PA	Class 3, Type B	4	2001-019QA
	Silt Barrier Fence, 30" Height	3013-PA	Class 3, Type B	8	2001-019QB
	<i>With Approved Mesh</i>				



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 865: Silt Barrier Fence

### 865.2 Geotextile Silt Fence Fabricators

Last Revised: 5/29/2015

Fabricate according to Standard Drawing RC-70M.

30" Fence Requires Mesh Support. Maximum Post Spacing is 8 feet for Fence using Class 3, Type A Geotextile. Maximum Post Spacing is 4 feet for Fence using Class 3, Type B Geotextile.

Product	Name	Geotextile Type	Max Post Spacing (ft)	Ref. No.	
<b>JOHNS 15</b>	<b>Johnston-Morehouse Dickey Company, 5401 Progress Boulevard, P.O. Box 173, Bethel Park, PA 15102 <a href="http://www.jmdcompany.com/">http://www.jmdcompany.com/</a></b>				
	Silt Barrier Fence, 18" Height	JMD 3A	Class 3, Type A	8	1990-135
	Silt Barrier Fence, 18" Height	JMD 3B	Class 3, Type B	4	1988-159
	Silt Barrier Fence, 18" Height <i>With Approved Mesh</i>	JMD 3B	Class 3, Type B	8	1990-082
	Silt Barrier Fence, 30" Height <i>With Approved Mesh</i>	JMD 3A	Class 3, Type A	8	2001-089Q
	Silt Barrier Fence, 30" Height <i>With Approved Mesh</i>	JMD 3B	Class 3, Type B	4	1988-282
<b>MUTAL 15</b>	<b>Mutual Industries, 707 West Grange Street, Philadelphia, PA 19120 <a href="http://www.mutualindustries.com/">http://www.mutualindustries.com/</a></b>				
	Silt Barrier Fence, 18" Height	PA DOT 3B18	Class 3, Type B	4	1994-156A
	Silt Barrier Fence, 18" Height <i>With Approved Mesh</i>	PA DOT 3B18	Class 3, Type B	4	1994-156B
	Silt Barrier Fence, 30" Height	PA DOT 3B30	Class 3, Type B	4	1994-156C
	Silt Barrier Fence, 30" Height <i>With Approved Mesh</i>	PA DOT 3B30	Class 3, Type B	4	1994-156D
<b>ROBER 15</b>	<b>Frank Roberts and Sons, Inc., 1130 Robertsville Road, Punxsutawney, PA 15767 <a href="http://www.frankrobertsandsons.com/">http://www.frankrobertsandsons.com/</a></b>				
	Silt Barrier Fence, 18" Height <i>With Approved Mesh</i>	FR 110-278M	Class 3, Type B	8	1988-125
	Silt Barrier Fence, 18" Height	FR 180-304 Blue	Class 3, Type B	4	1991-372
	Silt Barrier Fence, 18" Height	FR 400-308 White	Class 3, Type A	8	1991-370
	Silt Barrier Fence, 30" Height <i>With Approved Mesh</i>	FR 180-424M Black	Class 3, Type B	4	1991-373
	Silt Barrier Fence, 30" Height <i>With Approved Mesh</i>	FR 400-428M Red	Class 3, Type A	8	1991-371



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 865: Silt Barrier Fence

### 865.2 Geotextile Silt Fence Fabricators

Last Revised: 5/29/2015

Fabricate according to Standard Drawing RC-70M.

30" Fence Requires Mesh Support. Maximum Post Spacing is 8 feet for Fence using Class 3, Type A Geotextile. Maximum Post Spacing is 4 feet for Fence using Class 3, Type B Geotextile.

Product	Name	Geotextile Type	Max Post Spacing (ft)	Ref. No.
TCGEO 15	TenCate Geosynthetics, 365 South Holland Drive, Pendergrass, GA 30567 <a href="http://www.tencate.com/">http://www.tencate.com/</a>			
	Silt Barrier Fence, 18" Height <i>With Approved Mesh</i>	W/M Support	Class 3, Type B	1988-115
	Silt Barrier Fence, 18" Height <i>With Approved Mesh</i>	W/M Support	Class 3, Type A	1988-116



## **BULLETIN 15 (Publication 35) Qualified Products List for Construction**

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### **Section 867: Compost Filter Sock**

Project-Specific, Locally Approved Material.

In accordance with Publication 408, Section 106.02(a)2.c, a material specified for use in this Section is defined as a Project-Specific, Locally Approved Material.

PennDOT does not require manufacturers of Project-Specific, Locally Approved Materials to submit a Product Evaluation Application (Form CS-4170) for approval and listing of their material(s) in Bulletin 15. Project-Specific, Locally Approved Materials are not listed in Bulletin 15.

Contractors proposing to use materials that meet the specification requirements must list them on Form CS-200 (Source of Supply-Materials) and submit them for local approval by the Representative (i.e. at the District or project level). Refer to Publication 408, Section 867 for specification and documentation requirements.

Also refer to the Project Specific, Locally Approved Materials section (Section 106) of Bulletin 15 for a complete listing of Publication 408 Sections that fall within this category.



## **BULLETIN 15 (Publication 35) Qualified Products List for Construction**

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### **Section 868: Compost Blanket and Compost Filter Berm**

Project-Specific, Locally Approved Material.

In accordance with Publication 408, Section 106.02(a)2.c, a material specified for use in this Section is defined as a Project-Specific, Locally Approved Material.

PennDOT does not require manufacturers of Project-Specific, Locally Approved Materials to submit a Product Evaluation Application (Form CS-4170) for approval and listing of their material(s) in Bulletin 15. Project-Specific, Locally Approved Materials are not listed in Bulletin 15.

Contractors proposing to use materials that meet the specification requirements must list them on Form CS-200 (Source of Supply-Materials) and submit them for local approval by the Representative (i.e. at the District or project level). Refer to Publication 408, Section 868 for specification and documentation requirements.

Also refer to the Project Specific, Locally Approved Materials section (Section 106) of Bulletin 15 for a complete listing of Publication 408 Sections that fall within this category.



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Arrow Panel

Last Revised: 7/9/2015

Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
<b>AMIDA 15</b>	<b>Amida Industries, Inc., P. O. Box 3147, Rock Hill, SC 29731</b>					
Arrow Panel	DL25-FACH-DLO/4		Trailer	Diesel	48x96	1983-134
Arrow Panel	DLB-15-FACH-E900		Trailer	Battery	48x96	1989-079
Arrow Panel	DLB-25-FACH-E900		Trailer	Battery	48x96	1989-091
Arrow Panel	DLSB-15-ODLX4650		Trailer	Battery	48x96	1993-164
<b>BEMIS 15</b>	<b>Bemis Division, Allmand Brothers, Inc., P.O. Box 888, Holdrege, NE 68949 <a href="https://www.bemis.com/">https://www.bemis.com/</a></b>					
Arrow Panel	2200/SE	AB-7	Trailer	Solar Battery	48x96	1992-094
	<i>May be used only on stationary operations. Must be aimed every time it is set up or moved.</i>					
Arrow Panel	96-SER-3-F-S "Ellipse"	AB-7				1996-178
	<i>Retrofit kit for 2200/SE.</i>					
Arrow Panel	KO25CTA	AB-7	Trailer	Gas	48x96	----
Arrow Panel	LI25CTA	AB-7	Trailer	Diesel	48x96	----
Arrow Panel	LO25CTA	AB-7	Trailer	Diesel	48x96	----
Arrow Panel	PE25CTA	AB-7	Trailer	Diesel	48x96	----
<b>COLEM 15</b>	<b>Coleman Engineering, 1020 South Bellevue, Memphis, TN 38106 <a href="http://www.coleman-engineering.com/">http://www.coleman-engineering.com/</a></b>					
Arrow Panel	AB-15		Trailer	Diesel	48x96	1989-092
<b>CROCE 15</b>	<b>Crown Construction Equipment, 330 Saulteaux Cres., Winnipeg, Manitoba Canada <a href="http://www.crownequip.com/">http://www.crownequip.com/</a></b>					
Arrow Panel	AB15	AB-27	Trailer	Solar Battery	48x96	----
Arrow Panel	AB25	AB-27	Trailer	Solar Battery	48x96	----
<b>DISPL 15</b>	<b>Display Solutions, Inc., 6301 Best Friend Road, Norcross, GA 30071 <a href="https://www.displaysolutionsgroup.com/">https://www.displaysolutionsgroup.com/</a></b>					
Arrow Panel	Sunray Solar 15 Lamp		Trailer	Solar Battery	48x96	2001-203Q
Arrow Panel	Sunray Solar 25 Lamp		Trailer	Solar Battery	48x96	2001-204Q
<b>FEDER 15</b>	<b>Federal Construction Products, 2645 Federal Sign Dr., University Park, IL 60466</b>					
Arrow Panel	RW-1FA		Trailer	Diesel	48x96	1988-169



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Arrow Panel

Last Revised: 7/9/2015

	Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
HI-TE 15	Hi-Tech Enterprises, Inc., Pinellas Park, FL 33782 <a href="http://hitechenterprises.com/">http://hitechenterprises.com/</a>						
	Arrow Panel	Arrow Plus		Trailer	Solar Battery	48x96	1992-068
	<i>May be used only on stationary operations. Must be aimed every time it is set up or moved.</i>						
	Arrow Panel	S-15/184		Trailer	Solar Battery	48x96	1992-068
HI-VU 15	Hi-Vu, Inc., 1000 E. 9th Street, Indianapolis, IN 46202						
	Arrow Panel	AO2413		Vehicle	Vehicle (12V)	24x48	1985-100
	Arrow Panel	AO3060-15		Vehicle	Vehicle (12V)	30x60	1985-101
	Arrow Panel	AO3615		Vehicle	Vehicle (12V)	36x72	1985-103
	Arrow Panel	AO4815		Vehicle	Vehicle (12V)	48x96	1985-104
	Arrow Panel	AO4815DTM-E		Vehicle	Battery	48x96	1985-105
	Arrow Panel	TM4815CD		Trailer	Diesel	48x96	1985-108
	Arrow Panel	TM4815CE		Trailer	Battery	48x96	1985-109
	Arrow Panel	TM4815CG		Trailer	Gas	48x96	1985-110
	Arrow Panel	TM4815SD		Trailer	Diesel	48x96	1985-111
	Arrow Panel	TM4815SE		Trailer	Battery	48x96	1985-112
	Arrow Panel	TM4815SG		Trailer	Gas	48x96	1985-113
	Arrow Panel	TM4825SD		Trailer	Diesel	48x96	----
	Arrow Panel	TM4825SE		Trailer	Battery	48x96	----
Arrow Panel	TM4825SG		Trailer	Gas	48x96	----	
INTTC 15	International Traffic Control Products, Inc., FM 2169, P.O. Box 24, Junction, TX 76849						
	Arrow Panel	ITCP 15L		Trailer	Solar Battery	48x96	1999-001Q
KKSYS 15	K & K Systems, 687 Palmetto Road, Tupelo, MS 38801 <a href="http://k-systems.com/">http://k-systems.com/</a>						
	Arrow Panel	KKAB5025	AB-28	Trailer	Solar Battery	48x96	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Arrow Panel

Last Revised: 7/9/2015

Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
<b>NATSG 15</b>	<b>National Signal, Inc., 2440 Artesia Avenue, Fullerton, CA 92833 <a href="http://www.nationalsignalinc.net/">http://www.nationalsignalinc.net/</a></b>					
Arrow Panel	Aro-Lite 15L100W TM	AB-26	Trailer	Solar Battery	48x96	----
Arrow Panel	DDP 244813L	AB-26	Vehicle	Vehicle (12V)	24x48	-----
Arrow Panel	DDP 306013L VM	AB-26	Vehicle	Vehicle (12V)	30x60	-----
Arrow Panel	DDP 306015L VM	AB-26	Vehicle	Vehicle (12V)	30x60	-----
Arrow Panel	DDP 367215L VM	AB-26	Vehicle	Vehicle (12V)	36x72	-----
Arrow Panel	DDP 489615L VM	AB-26	Vehicle	Vehicle (12V)	48x96	-----
Arrow Panel	Sun-Up 15L100W TM	AB-26	Trailer	Solar Battery	48x96	----
<b>PROTE 15</b>	<b>Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a></b>					
Arrow Panel	M-90 Series	AB-2	Trailer	Solar Battery	48x96	----
Arrow Panel	PEVM-6030-15		Vehicle	Vehicle (12V)	30x60	1992-349
Arrow Panel	PFAW-M-72	AB-2	Trailer	Diesel	48x96	----
Arrow Panel	PFAW-M-78	AB-2	Trailer	Diesel	48x96	----
Arrow Panel	PFAW-M-78-25	AB-2	Trailer	Diesel	48x96	----
Arrow Panel	PFAW-M-85-25	AB-2	Trailer	Diesel	48x96	----
Arrow Panel	PFAW-M-85-FA	AB-2	Trailer	Diesel	48x96	----
Arrow Panel	PFAW-M-FA-SA	AB-2	Trailer	Diesel	48x96	----
Arrow Panel	PFAW-M90-SKMT	AB-2	Vehicle with Skid	Battery	48x96	----
Arrow Panel	PFAW-M93-SA		Trailer with Skid	Solar Battery	48x96	1995-101
Arrow Panel	PFAW-M93-SA (M90-D)		Trailer	Solar Battery	48x96	1995-170
Arrow Panel	PFEL-M-78	AB-2	Trailer	Battery	48x96	----
Arrow Panel	PFEL-VM-87		Vehicle	Vehicle (12V)	36x72	1987-110
Arrow Panel	PFVM-80-13		Vehicle	Vehicle (12V)	24x48	1981-063
Arrow Panel	PFVM-80-15		Vehicle	Vehicle (12V)	24x48	1982-069
Arrow Panel	PFVM-SB-15	AB-2	Vehicle	Vehicle (12V)	24x48	----





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### 901.2 Arrow Panel

Last Revised: 7/9/2015

Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
<b>SERVM 15</b>	<b>Service &amp; Materials Company, Inc., 4835 East County Road 600, Sunman, IN 47041</b>					
Arrow Panel	1950-A	AB-18	Trailer	Gas	48x96	----
Arrow Panel	1950-A-D	AB-18	Trailer	Diesel	48x96	----
Arrow Panel	1950-ACHAS	AB-18	Trailer	Gas	48x96	----
Arrow Panel	1950-ACHAS-D	AB-18	Trailer	Diesel	48x96	----
Arrow Panel	1953-A-D	AB-18	Trailer	Diesel	48x96	----
Arrow Panel	1955-Trailer Train	AB-18	Trailer	Diesel	48x96	----
Arrow Panel	3000-AH	AB-18	Vehicle	Vehicle (12V)	24x48	----
Arrow Panel	3001-A	AB-18	Vehicle	Vehicle (12V)	36x72	----
Arrow Panel	3001-ACHAS	AB-18	Vehicle	Vehicle (12V)	36x72	----
<b>SOLAT 15</b>	<b>Solar Technology, Inc., 7620 Cetronia Road, Allentown, PA 18106 <a href="http://solartechnology.com/">http://solartechnology.com/</a></b>					
Arrow Panel	AB-0515-D (LED)		Trailer	Solar Battery	48x96	1996-251
Arrow Panel	AB-0715-D (LED)		Trailer	Solar Battery	48x96	1996-251
Arrow Panel	AB-1015-D (LED)		Trailer	Solar Battery	48x96	1996-251
Arrow Panel	AB-1515-D (LED)		Trailer	Solar Battery	48x96	1996-251
Arrow Panel	AB-2015		Trailer	Solar Battery	48x96	1992-041
	<i>May be used only on stationary operations.</i>					
	<i>Must be aimed every time it is set up or moved.</i>					
Arrow Panel	AB-2015 (WB)		Trailer	Solar Battery	48x96	1992-269
Arrow Panel	AB-2025		Trailer	Solar Battery	48x96	1992-041
	<i>May be used only on stationary operations.</i>					
	<i>Must be aimed every time it is set up or moved.</i>					
Arrow Panel	AB-2025 (WB)		Trailer	Solar Battery	48x96	1992-268
Arrow Panel	AT-0515	AB-20	Vehicle	Solar Battery	48x96	----
Arrow Panel	AT-0715	AB-20	Vehicle	Solar Battery	48x96	----
<b>SUNEL 15</b>	<b>Sunshine Electronic Display Company, 501 Sylvania Street, St. Joseph, MO 64501 <a href="http://sunshine.us.com/">http://sunshine.us.com/</a></b>					
<b>Plant</b>	<b>St. Joseph, MO 64501</b>					
Arrow Panel	AWD		Trailer	Diesel	48x96	1984-166
	<i>Includes a 66"x112" message sign on the back of the arrow panel. Approved as a combination portable changeable message sign and 48"x96" arrow panel.</i>					



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Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
SUPSG 15	Superior Signals Inc., 16355 South Lone Elm Road, Olathe, KS 66062 <a href="http://www.superiorsignals.com/">http://www.superiorsignals.com/</a>					
Arrow Panel	SY382 (15 or 25 lamps only)	AB-29	Vehicle	Vehicle (12V)	48x96	----
Arrow Panel	SY382 (15 or 25 lamps only)	AB-29	Vehicle	Vehicle (12V)	36x72	----
Arrow Panel	SY382 (15 or 25 lamps only)	AB-29	Vehicle	Vehicle (12V)	30x60	----
Arrow Panel	SY3900 (15 or 25 lamps only)	AB-29	Vehicle	Vehicle (12V)	48x96	----
Arrow Panel	SY3900 (15 or 25 lamps only)	AB-29	Vehicle	Vehicle (12V)	36x72	----
Arrow Panel	SY3900 (15 or 25 lamps only)	AB-29	Vehicle	Vehicle (12V)	30x60	----



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Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
TRFCN 15	Trafcon Industries, Inc., 81 Texaco Road, Mechanicsburg, PA 17050 <a href="http://www.trafcon.com/homepage.php">http://www.trafcon.com/homepage.php</a>					
Arrow Panel	MB1-13		Vehicle	Vehicle (12V)	24x48	1984-214
Arrow Panel	MB1-15		Vehicle	Vehicle (12V)	24x48	1984-214
Arrow Panel	MB3-15		Vehicle	Vehicle (12V)	30x60	1988-142
Arrow Panel	MB3-15 Pulsar	AB-1	Vehicle	Vehicle (12V)	30x60	----
Arrow Panel	MB4-15		Vehicle	Vehicle (12V)	36x72	1991-272
Arrow Panel	MB4-15 Pulsar	AB-1	Vehicle	Vehicle (12V)	36x72	----
Arrow Panel	MB4-25		Vehicle	Vehicle (12V)	36x72	1991-251
Arrow Panel	MB4-25 Pulsar	AB-1	Vehicle	Vehicle (12V)	36x72	----
Arrow Panel	MB5-15		Vehicle	Diesel	48x96	1995-163
Arrow Panel	MB5-15 Pulsar	AB-1	Vehicle	Vehicle (12V)	48x96	----
Arrow Panel	MB5-25		Vehicle	Diesel	48x96	1995-164
Arrow Panel	MB5-25 Pulsar	AB-1	Vehicle	Vehicle (12V)	48x96	----
Arrow Panel	TC1-15B		Trailer	Battery	48x96	----
Arrow Panel	TC1-15D		Trailer with Skid	Diesel	48x96	1984-040
Arrow Panel	TC1-15S		Trailer with Skid	Solar Battery	48x96	1995-047
Arrow Panel	TC1-25D		Trailer with Skid	Diesel	48x96	1985-186A
Arrow Panel	TC2-15D		Trailer	Diesel	48x96	1984-041
Arrow Panel	TC2-15S		Trailer	Solar Battery	48x96	1998-215
Arrow Panel	TC2-25D		Trailer	Diesel	48x96	----
Arrow Panel	TC3-15D		Trailer with Skid	Diesel	48x96	1987-354
Arrow Panel	TCI-15D Pulsar	AB-1	Trailer	Diesel	48x96	----
Arrow Panel	TCI-15S Pulsar	AB-1	Trailer	Solar Battery	48x96	----
Arrow Panel	TCI-25S Pulsar	AB-1	Trailer	Solar Battery	48x96	----
Arrow Panel	TM1-15B		Vehicle with Skid	Vehicle (12V)	48x96	----
Arrow Panel	TM1-15RS		Trailer	Solar Battery	48x96	1998-214
Arrow Panel	TM1-15S		Vehicle with Skid	Solar Battery	48x96	1995-074B



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	Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
TRLCM 15	<b>Trailer Component Manufacturing, Inc., 7795 Division Drive, Mentor, OH 44060</b>						
	Arrow Panel	3060		Vehicle	Vehicle (12V)	30x60	----
	Arrow Panel	7636EC/PD		Trailer	Diesel	48x96	----
	Arrow Panel	7636EF/PD		Trailer	Diesel	48x96	----
	Arrow Panel	D2000		Trailer	Diesel	48x96	1995-171
	Arrow Panel	S6000		Trailer	Solar Battery	48x96	1995-187
USSEA 15	<b>U. S. Seal, Inc., 281 West Sixth Street, West Wyoming, PA 18644</b>						
	Arrow Panel	2500		Trailer	Solar Battery	48x96	1990-156
	<i>May be used only on stationary operations.</i>						
	<i>Must be aimed every time it is set up or moved.</i>						
VERMI 15	<b>Ver-Mac, Inc., 1781 Bresse, Quebec, Quebec, Canada G2G 2V2 <a href="http://www.ver-mac.com/">http://www.ver-mac.com/</a></b>						
	Arrow Panel	ST-4825	AB-23	Trailer	Solar Battery	48x96	2011-223Q
	Arrow Panel	VM-95S	AB-23	Trailer	Solar Battery	48x96	1997-155
WANCN 15	<b>Wanco, Inc., 5870 Tennyson Street, Arvada, CO 80003-6903 <a href="http://www.wanco.com/">http://www.wanco.com/</a></b>						
	Arrow Panel	WRB4-A		Vehicle	Vehicle (12V)	24x48	1989-093E
	Arrow Panel	WRB5-A		Vehicle	Vehicle (12V)	30x60	1989-093F
	Arrow Panel	WRB5-SA		Vehicle	Vehicle (12V)	30x60	1989-093G
	Arrow Panel	WRB5-SAC		Vehicle	Vehicle (12V)	30x60	1989-093H
	Arrow Panel	WRB6-SA		Vehicle	Vehicle (12V)	36x72	1989-093J
	Arrow Panel	WTB8-SA		Vehicle	Vehicle (12V)	48x96	1989-093K
	Arrow Panel	WTB8-SAC		Trailer	Diesel	48x96	1989-093C
	Arrow Panel	WTB8-SAC		Vehicle	Vehicle (12V)	48x96	1989-093L
	Arrow Panel	WTDB8-SA		Trailer with Skid	Diesel	48x96	1989-093A
	Arrow Panel	WTDB8-SAC		Trailer	Diesel	48x96	1989-093D
	Arrow Panel	WTGB8-SA		Trailer	Diesel	48x96	1989-093B
	Arrow Panel	WTSP110-LSA		Trailer	Solar Battery	48x96	2001-091Q
	Arrow Panel	WTSP55-LSA		Trailer	Solar Battery	48x96	2001-091Q
	Arrow Panel	WTSP75-LSA		Trailer	Solar Battery	48x96	2001-091Q



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### 901.2 Arrow Panel

Last Revised: 7/9/2015

Product	Name	COA	Arrow Panel Mount	Allow Panel Power	Size (in)	Ref. No.
<b>WORKA 15</b>	<b>Work Area Protection Corporation, 2500 Production Drive, PO Box 4087, St. Charles, IL 60174 <a href="http://workareaprotection.com/">http://workareaprotection.com/</a></b>					
Arrow Panel	VMAW 2415	AB-17	Vehicle	Vehicle (12V)	24x48	1992-022
Arrow Panel	VMAW-24-15LV	AB-17	Vehicle	Vehicle (12V)	24x48	1992-330
Arrow Panel	VMAW-30-15LV	AB-17	Vehicle	Vehicle (12V)	30x60	1992-350
Arrow Panel	WAAW-100-15D	AB-17	Trailer	Diesel	48x96	1991-283
Arrow Panel	WAP-WAAW-15SB	AB-17	Trailer	Solar Battery	48x96	1990-165
	<i>May be used only on stationary operations. Must be aimed every time it is set up or moved.</i>					
Arrow Panel	WAP-WAAW-15SB-III	AB-17	Trailer	Solar Battery	48x96	1993-049

### 901.2 Automated Flagger Assistance Device

Last Revised: 7/9/2015

Product	Name	COA	Flagger Mount	Flagger Power	Ref. No.
<b>INTES 15</b>	<b>IntelliStrobe Safety Systems, LLC, 4136 S. McCann Ct., Springfield, MO 65804</b>				
Automated Flagger Assistance Device	W1-AG	AFAD-3	Stand Alone	Battery	2010-324Q
Automated Flagger Assistance Device	W1-AG/TM	AFAD-3	Trailer	Solar Battery	----
Automated Flagger Assistance Device	WS1-AG/TM	AFAD-3	Trailer	Solar Battery	----
<b>RCFLG 15</b>	<b>R. C. Flagman Inc., 363 Fitch Street, Welland, Ontario, Canada L3C 4W7</b>				
Automated Flagger Assistance Device	RCF2.4	AFAD-1	Trailer	Solar Battery	----
<b>SAFTI 15</b>	<b>Safety Technologies, Inc., 28932 Highway 58 Blvd., Red Wing, MN 55066</b>				
Automated Flagger Assistance Device	AF 76	AFAD-2	Trailer	Solar Battery	----

### 901.2 Drums, Nonmetallic

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

Product	Name	COA	Ref. No.
<b>CORTI 15</b>	<b>Cortina Safety Products, 10706 West Grand Ave., Franklin Park, IL 60131 <a href="http://www.cortinaco.com/safety-products/cortina-safety-products/">http://www.cortinaco.com/safety-products/cortina-safety-products/</a></b>		
Drums, Nonmetallic	360 Channelizer, Model 03-755-6HI	360C-1	2009-141Q



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Drums, Nonmetallic

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

	Product	Name	COA	Ref. No.
EASMI 15	Eastern Molding International, 1 Elizabeth Street, Batavia, NY 14020			
	Drums, Nonmetallic	HTHD with High Density 25lb/40lb Rubber Base		2003-148Q
	Drums, Nonmetallic	HTLD with Low Density 25lb/40lb Rubber Base		2003-149Q
LAKSD 15	Lakeside Plastics, Inc., 450 West 33rd Avenue, P.O. Box 2384, Oshkosh, WI 54903 <a href="http://www.lakesideplastics.net/index.html">http://www.lakesideplastics.net/index.html</a>			
	Drums, Nonmetallic <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	The Director, Model FTS 5		2002-032Q
PLAPC 15	Plasticade Products Corporation, 7700 North Austin Ave., Skokie, IL 60077 <a href="http://www.plasticade.com/">http://www.plasticade.com/</a>			
	Drums, Nonmetallic	Econocade II Drum Series 452 High Density		2013-162QB
	Drums, Nonmetallic	Econocade II Drum Series 452 Low Density		2013-162QA
	Drums, Nonmetallic	Rhino Channelizer Barrel 454 High Density	ND-13	2012-043Q
	Drums, Nonmetallic	Rhino Channelizer Barrel 454 Low Density	ND-13	2012-043Q
PLASS 15	Plastic Safety Systems, Inc., 2444 Baldwin Road, P.O. Box 20140, Cleveland, OH 44104 <a href="http://plasticsafety.com/">http://plasticsafety.com/</a>			
	Drums, Nonmetallic	LifeGard HDPE with Rubber Collar		1992-100A
	Drums, Nonmetallic	LifeGard LDPE with Rubber Collar and Light		1992-100B



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### 901.2 Drums, Nonmetallic

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

	Product	Name	COA	Ref. No.
<b>SERVM 15</b>	<b>Service &amp; Materials Company, Inc., 4835 East County Road 600, Sunman, IN 47041</b>			
	Drums, Nonmetallic	1500 HD Channelizer Standard with Rubber Base and Light		1991-098
	Drums, Nonmetallic	1500 LD Channelizer Standard with Rubber Base and Light		1991-098
	Drums, Nonmetallic	Bouncer PB-90		1991-098
	Drums, Nonmetallic	PB-85 Commander, 2-piece, O		1991-098
<b>TRFXD 15</b>	<b>Traffix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a></b>			
	Drums, Nonmetallic	Model 18000HDPE LW Standard with Sand Base and Light		1991-103
	Drums, Nonmetallic	Model 18000HDPE Standard with Sand Base and Light		1991-102
	Drums, Nonmetallic	Model 18000HDPE with Rubber Ring Ballast and Light		1995-008
	Drums, Nonmetallic	Model 18000LDPE Standard with Sand Base and Light		1991-101
	Drums, Nonmetallic	Model 18000LDPE with Rubber Ring Ballast and Light		1995-008
<b>WORKA 15</b>	<b>Work Area Protection Corporation, 2500 Production Drive, PO Box 4087, St. Charles, IL 60174 <a href="http://workareaprotection.com/">http://workareaprotection.com/</a></b>			
	Drums, Nonmetallic	B- 500LC with Rubber Tire Base, Plastic Base w/wo Light	ND-04	----
	Drums, Nonmetallic	B-200HDPE with Sand Base		1993-143
	Drums, Nonmetallic	B-300HDPE with Rubber Tire Base		1993-144
	Drums, Nonmetallic	B-400HDPE with Rubber Base and Light		1996-236B
	Drums, Nonmetallic	B-400HDPE with Sand Base and Light		1996-236A

### 901.2 Intrusion Alarm

Last Revised: 7/9/2015



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Intrusion Alarm

Last Revised: 7/9/2015

	Product	Name	COA	Ref. No.
EASTM 15	Eastern Metal of Elmira, 1430 Sullivan Street, Elmira, NY 14901 <a href="http://www.usa-sign.com/">http://www.usa-sign.com/</a>			
	Intrusion Alarm	Model HWZIA-300	PCIA-2	1997-015A
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
	Intrusion Alarm	Model HWZIA-500	PCIA-2	1997-015B
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
SAFLS 15	Safe-Lite Systems, 1050 Eagle Road, Newton, PA 18940			
	Intrusion Alarm	Model 10A-M		1997-032
	<i>Must use 70 durometer pneumatic tube.</i>			

### 901.2 Lane Separator Curb

Last Revised: 7/9/2015

	Product	Name	COA	Ref. No.
IMPRS 15	Impact Recovery Systems, Inc., 4955 Stout Drive, San Antonio, TX 78219 <a href="http://www.impactrecovery.com/">http://www.impactrecovery.com/</a>			
	Lane Separator Curb	IRS Tuff Curb XLP	LSC-02	----
	Lane Separator Curb	Tuff Curb	LSC-02	----
PEXCO 15	Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a>			
	Lane Separator Curb	FG 300 Curb		2007-078Q
QWICK 15	Qwick Kurb, Inc., 1916 US 41 South, Ruskin, FL 33570 <a href="http://qwickkurb.com/">http://qwickkurb.com/</a>			
	Lane Separator Curb	Qwick Kurb		2002-117Q

### 901.2 Longitudinal Channelizing Devices

Last Revised: 7/9/2015

	Product	Name	COA	Ref. No.
TRFXD 15	TraFFix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a>			
	Longitudinal Channelizing Device, Plastic Barrier	Sentry (Water Filled Temporary)	LCD-03	2010-039Q





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### 901.2 Longitudinal Channelizing Devices

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Product	Name	COA	Ref. No.
TRISD 15	Trident Security Devices, Inc., 1017 Prospect Avenue, Elkins, PA 19027		
	Longitudinal Channelizing Device, Plastic Barrier	Roadguard 2	2011-067Q
YODOK 15	Yodock Wall Company, Inc., 900 Patterson Drive, Bloomsburg, PA 17815 <a href="http://www.yodock.com/">http://www.yodock.com/</a>		
	Longitudinal Channelizing Device, Plastic Barrier	Model 2001	LCD-02
	Longitudinal Channelizing Device, Plastic Barrier	Model 2001M	LCD-02

### 901.2 Portable Changeable Message Signs

Last Revised: 7/9/2015

Product	Name	COA	PCMS Type	PCMS Power	Size (in)	PCMS Mount	PCMS Message	Ref. No.
ADDC- 15	ADDCO Manufacturing, 240 Arlington Ave. E., St. Paul, MN 55117 <a href="http://www.addco.com/en/">http://www.addco.com/en/</a>							
	Portable Changeable Message Sign	9050100	Flip Disk	Diesel	91x115	Trailer	3-Line	1986-152
	Portable Changeable Message Sign	9050100-7	Flip Disk	Diesel	91x102	Trailer	3-Line	1986-152
	Portable Changeable Message Sign	BRICK	LED	Solar Battery	69x145	Trailer	Full Matrix	1999-024
	Portable Changeable Message Sign	BRICK	LED	Battery/Vehicle/ Generator	42x84	Vehicle	Full Matrix	1999-024
	Portable Changeable Message Sign	DE3000	LED	Battery	50x90	Skid	2-Line	1990-080
	Portable Changeable Message Sign	DH1000	Flip Disk	Diesel	76x113	Trailer	3-Line	1990-067
	Portable Changeable Message Sign	DH1000 ALS	LED	Solar Battery	76x134	Trailer	3-Line	1995-135
	Portable Changeable Message Sign	DH1000 SLD	LED	Solar Battery	76x113	Trailer	3-Line	1993-195
	Portable Changeable Message Sign	DM2000	Flip Disk	Diesel	50x90	Trailer	2-Line	1990-079
ADVSP 15	Advanced Safety Products, P.O. Box 2663, Fallbrook, CA 92088							
	Portable Changeable Message Sign	VMS Message Master	S-12	LED	Battery	35x71	Trailer/Vehicl e	2-Line -----
AMELS 15	American Electronic Sign Company, Spokane Ind. Park, Bldg. 10, North 3808 Sullivan Road, Spokane, WA 99216-1670							
	Portable Changeable Message Sign	AESCO	Flip Disk	Battery/Diesel	76x115	Trailer	3-Line	1993-254
	Portable Changeable Message Sign	AESCOVCMS	Flip Disk	Generator	46x81	Vehicle	2-Line	1993-255
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>							



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Portable Changeable Message Signs

Last Revised: 7/9/2015

Product	Name	COA	PCMS Type	PCMS Power	Size (in)	PCMS Mount	PCMS Message	Ref. No.	
<b>AMESC 15</b>	<b>American Signal Company, 2755 Bankers Industrial Drive, Atlanta, GA 30360 <a href="http://www.amsig.com/frame_home.htm">http://www.amsig.com/frame_home.htm</a></b>								
	Portable Changeable Message Sign	CMS-GP-232	LED	Battery/Vehicle	32x72	Vehicle	Full Matrix	1999-166	
	Portable Changeable Message Sign	CMS-GP-432	LED	Battery	48x96	Vehicle	Full Matrix	1996-161	
	Portable Changeable Message Sign	CMS-GP-432T	PS-6	Solar Battery	48x96	Trailer	Full Matrix	----	
	Portable Changeable Message Sign	CMS-T300	Flip Disk	Diesel	78x113	Trailer	3-Line	1990-182	
	Portable Changeable Message Sign	CMS-T320	PS-6	Solar Battery	78x126	Trailer	3-Line	----	
	Portable Changeable Message Sign	CMS-T331	PS-6	Solar Battery	78x126	Trailer	3-Line	----	
	Portable Changeable Message Sign	CMS-T333	LED	Solar Battery	78x126	Trailer	Full Matrix	1995-283	
	Portable Changeable Message Sign	CMS-T333.1B	LED	Solar Battery	79x136	Trailer	Full Matrix	2001-148Q	
<b>DAKI- 15</b>	<b>Daktronics, Inc., 331 32nd Ave. P O Box 5128, Brookings, SD 57006-5128 <a href="http://www.daktronics.com/en-us">http://www.daktronics.com/en-us</a></b>								
	Portable Changeable Message Sign	VP-4000	PS-20	LED	Solar Battery	77x133	Trailer	3-Line	----
	Portable Changeable Message Sign	VP-4000 FM	PS-20	LED	Solar Battery	77x133	Trailer	Full Matrix	----
<b>DISPL 15</b>	<b>Display Solutions, Inc., 6301 Best Friend Road, Norcross, GA 30071 <a href="https://www.displaysolutionsgroup.com/">https://www.displaysolutionsgroup.com/</a></b>								
	Portable Changeable Message Sign	Gen III	PS-2	Lamp	Diesel	75x94	Trailer	3-Line	1981-132
	Portable Changeable Message Sign	Gen V	PS-2	Lamp	Diesel	30x89	Trailer	1-Line	1981-005
	Portable Changeable Message Sign	Gen VI	PS-2	Flip Disk	Diesel	78x124	Trailer	3-Line	----
	Portable Changeable Message Sign	Gen VI-C	PS-2	Flip Disk	Diesel	78x125	Trailer	3-Line	1990-301
	Portable Changeable Message Sign	NightHawk 340	PS-2	Flip Disk	Diesel	78x111	Trailer	3-Line	1993-166
	Portable Changeable Message Sign	PCMS-2	PS-2	Lamp	Diesel	66x112	Trailer	3-Line	----
	Portable Changeable Message Sign	Sunray 340	PS-2	LED	Solar Battery	78x111	Trailer	3-Line	1995-096
	Portable Changeable Message Sign	Sunray 380	PS-2	LED	Solar Battery	78x128	Trailer	3-Line	2001-097Q
	Portable Changeable Message Sign	Sunray FM	PS-2	LED	Solar Battery	85x129	Trailer	Full Matrix	2000-228Q
	Portable Changeable Message Sign	Sunray Mini FM	PS-2	LED	Solar Battery	48x96	Trailer	Full Matrix	2001-098Q
<b>INTTC 15</b>	<b>International Traffic Control Products, Inc., FM 2169, P.O. Box 24, Junction, TX 76849</b>								
	Portable Changeable Message Sign	CMS-100		LED	Solar Battery	76x113	Trailer	3-Line	1996-113
	Portable Changeable Message Sign	CMS-100 FM		LED	Solar Battery	84x113	Trailer	Full Matrix	1998-005
<b>KKSYS 15</b>	<b>K &amp; K Systems, 687 Palmetto Road, Tupelo, MS 38801 <a href="http://k-k-systems.com/">http://k-k-systems.com/</a></b>								
	Portable Changeable Message Sign	DDMB31-240	PS-18	LED	Solar Battery	72x120	Trailer	3-Line	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Portable Changeable Message Signs

Last Revised: 7/9/2015

Product	Name	COA	PCMS Type	PCMS Power	Size (in)	PCMS Mount	PCMS Message	Ref. No.	
<b>LAKET 15</b>	<b>Lake Technologies, Inc., 28248 Country Road 561, Tavares, FL 32778</b>								
	Portable Changeable Message Sign	PDM-S18502131	Flip Disk	Diesel	79x142	Trailer	3-Line	1987-216	
<b>LITSI 15</b>	<b>LiteSys Inc., 150 Pollywog Lane, Belgrade, MT 59714 <a href="http://www.litesys.com/">http://www.litesys.com/</a></b>								
	Portable Changeable Message Sign	1020A-4W	PS-19	LED	Battery/Vehicle	31x75	Vehicle	2-Line	----
	Portable Changeable Message Sign	1030F-4W	PS-19	LED	Battery/Vehicle	41x75	Vehicle	Full Matrix	----
<b>NATSG 15</b>	<b>National Signal, Inc., 2440 Artesia Avenue, Fullerton, CA 92833 <a href="http://www.nationalsignalinc.net/">http://www.nationalsignalinc.net/</a></b>								
	Portable Changeable Message Sign	ER200	PS-17	LED	Solar Battery	48x96	Trailer	3-Line	----
	Portable Changeable Message Sign	ER200 CAB	PS-17	LED	Solar Battery	48x96	Vehicle	3-Line	----
	Portable Changeable Message Sign	ER200 Jr	PS-17	LED	Solar Battery	48x96	Trailer	3-Line	----
	Portable Changeable Message Sign	Vu-Pointe	PS-17	LED	Solar Battery	76x116	Trailer	3-Line	----
<b>PRSLR 15</b>	<b>Precision Solar Controls, Inc., 2985 Market Street, Garland, TX 75041 <a href="http://www.precisionsolarcontrols.com/">http://www.precisionsolarcontrols.com/</a></b>								
	Portable Changeable Message Sign	SMC-1000	PS-8	LED	Solar Battery	77x127	Trailer	3-Line	1992-035
	Portable Changeable Message Sign	SMC-1000 ST	PS-8	LED	Solar Battery	77x127	Trailer	3-Line	2009-132Q
	Portable Changeable Message Sign	SMC-1000-HE	PS-8	LED	Solar Battery	76x127	Trailer	3-Line	1995-237
	Portable Changeable Message Sign	SMC-2000	PS-8	LED	Solar Battery	77x127	Trailer	Full Matrix	1995-183
	Portable Changeable Message Sign	SMC-2000 FM ST	PS-8	LED	Solar Battery	77x127	Trailer	Full Matrix	2011-056Q
	Portable Changeable Message Sign	SMC-3000	PS-8	LED	Solar Battery	48x96	Trailer	Full Matrix	2009-038Q
	Portable Changeable Message Sign	SMC-4000	PS-8	LED	Solar Battery	48x96	Trailer	Full Matrix	----
<b>REVAP 15</b>	<b>Reva Plastics Corporation, P. O. Box 440, Route 31, Weedsport, NY 13166 <a href="http://www.revaplastics.com/">http://www.revaplastics.com/</a></b>								
	Portable Changeable Message Sign	2002	PS-9	Lamp	Diesel	30x96	Trailer	1-Line	----
<b>SOLAT 15</b>	<b>Solar Technology, Inc., 7620 Cetrionia Road, Allentown, PA 18106 <a href="http://solartechnology.com/">http://solartechnology.com/</a></b>								
	Portable Changeable Message Sign	MB-1548	PS-11	LED	Solar Battery	76x126	Trailer	Full Matrix	----
	Portable Changeable Message Sign	MB-3048	PS-11	LED	Solar Battery	76x126	Trailer	Full Matrix	----
	Portable Changeable Message Sign	MB-3748	PS-11	LED	Solar Battery	76x126	Trailer	Full Matrix	----
	Portable Changeable Message Sign	MB-4024	PS-11	LED	Solar Battery	72x120	Trailer	3-Line	----
	<i>Must be equipped with LED lamps, model HLMT-CL00.</i>								
	Portable Changeable Message Sign	MB-4048		LED	Solar Battery	76x126	Trailer	Full Matrix	1999-038Q



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### 901.2 Portable Changeable Message Signs

Last Revised: 7/9/2015

Product	Name	COA	PCMS Type	PCMS Power	Size (in)	PCMS Mount	PCMS Message	Ref. No.	
SUNEL 15 Plant	Sunshine Electronic Display Company, 501 Sylvania Street, St. Joseph, MO 64501 <a href="http://sunshine.us.com/">http://sunshine.us.com/</a> St. Joseph, MO 64501								
	Portable Changeable Message Sign	AWD	LED	Diesel	66x112	Trailer	3-Line	1984-166	
<i>Includes a 48"x96" arrow board on the back of the message panel. Approved as a combination portable changeable message sign and 48"x96" arrow board.</i>									
TELE- 15	Tele-Spot Systems, 76 Progress Drive, Stamford, CT 06902-3600								
	Portable Changeable Message Sign	317913-001 (trailer)		Generator				1987-351	
	Portable Changeable Message Sign	317943-001 (sign)		Diesel	80x120	Trailer	3-Line	1987-351	
TRFCN 15	Trafcon Industries, Inc., 81 Texaco Road, Mechanicsburg, PA 17050 <a href="http://www.trafcon.com/homepage.php">http://www.trafcon.com/homepage.php</a>								
	Portable Changeable Message Sign	MB-ADS	PS-15	LED	Solar/Vehicle	Vehicle	Full Matrix	2001-202Q	
	Portable Changeable Message Sign	TC1-ADS	PS-15	LED	Solar/Vehicle	Trailer	Full Matrix	2001-202Q	
VERMI 15	Ver-Mac, Inc., 1781 Bresse, Quebec, Quebec, Canada G2G 2V2 <a href="http://www.ver-mac.com/">http://www.ver-mac.com/</a>								
	Portable Changeable Message Sign	Northern Lights	PS-14	LED	Solar Battery	78x84	Trailer	3-Line	----
	Portable Changeable Message Sign	PCMS-1500	PS-14	LED	Solar Battery	82x132	Trailer	Full Matrix	2000-164Q
	Portable Changeable Message Sign	PCMS-320	PS-14	LED	Solar Battery	66x96	Trailer	Full Matrix	2009-185Q
	Portable Changeable Message Sign	PCMS-548	PS-14	LED	Solar Battery	45x80	Trailer	Full Matrix	2009-184Q
	Portable Changeable Message Sign	TH-548	PS-14	LED	Vehicle (12V)	45x80	Vehicle	Full Matrix	2009-184Q
WANCN 15	Wanco, Inc., 5870 Tennyson Street, Arvada, CO 80003-6903 <a href="http://www.wanco.com/">http://www.wanco.com/</a>								
	Portable Changeable Message Sign	WTLMB(A)		LED	Solar Battery	72x130	Trailer	3-Line	1997-167
	Portable Changeable Message Sign	WTLMB-S-LL(A)		LED	Solar Battery	72x130	Trailer	3-Line	1997-167
	Portable Changeable Message Sign	WTMMB (A)		LED	Solar Battery	72x130	Trailer	Full Matrix	2000-264Q
	Portable Changeable Message Sign	WTMMB-S-LL(A)		LED	Solar Battery	72x130	Trailer	Full Matrix	2000-264Q
WORKA 15	Work Area Protection Corporation, 2500 Production Drive, PO Box 4087, St. Charles, IL 60174 <a href="http://workareaprotection.com/">http://workareaprotection.com/</a>								
	Portable Changeable Message Sign	VMBS-1000		Solar Battery	77x127	Trailer	3-Line	1992-028	

### 901.2 Portable Sign Support

Last Revised: 7/9/2015



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Portable Sign Support

Last Revised: 7/9/2015

Product	Name	COA	Approved Crash Test Level	Ref. No.
<b>BONE- 15</b>	<b>Bone Safety Signs, Inc., 2151 Northwest Parkway, S.E., Suite 100, Marietta, GA 30067 <a href="http://www.bonesafety.com/">http://www.bonesafety.com/</a></b>			
X-Base Support	Big Dog SZ-412-2S	PSS-13	TL-3 (62 mph)	----
X-Base Support	SZ-412	PSS-13	TL-3 (62 mph)	----
X-Base Support	SZ-412FX	PSS-13	TL-3 (62 mph)	----
X-Base Support	SZ-412S	PSS-13	TL-3 (62 mph)	----
X-Base Support	SZ-460	PSS-13	TL-3 (62 mph)	----
X-Base Support	SZ-460-2S	PSS-13	TL-3 (62 mph)	----
X-Base Support	SZ-484	PSS-13	TL-3 (62 mph)	----
X-Base Support	SZ-484-2S	PSS-13	TL-3 (62 mph)	----
<b>DICKE 15</b>	<b>Dicke Tool Company, 1201 Warren Avenue, Downers Grove, IL 60515 <a href="http://dicketool.com/">http://dicketool.com/</a></b>			
Rubber Base Support	DSB100	PSS-4	TL-3 (62 mph)	----
Rubber Base Support	DSB100HD	PSS-4	TL-3 (62 mph)	----
Tripod Support	T155	PSS-4	TL-3 (62 mph)	2011-186Q
Tripod Support	T50	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF-3003	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF-4000	PSS-4	TL-3 (62 mph)	2001-085Q
X-Base Support	DF3000S	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF3000W	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF3000WQ	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF3003S	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF3003W	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF3330	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF4000	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF4503	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF4700	PSS-4	TL-3 (62 mph)	----
X-Base Support	DF4700TX	PSS-4	TL-3 (62 mph)	----
X-Base Support	DL1003	PSS-4	TL-3 (62 mph)	----
X-Base Support	DL1003 Latch	PSS-4	TL-3 (62 mph)	----
X-Base Support	DL1008	PSS-4	TL-3 (62 mph)	----
X-Base Support	MS-Flex-30	PSS-4	TL-3 (62 mph)	2001-085Q



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Portable Sign Support

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Product	Name	COA	Approved Crash Test Level	Ref. No.
DICKE 15	Dicke Tool Company, 1201 Warren Avenue, Downers Grove, IL 60515 <a href="http://dicketool.com/">http://dicketool.com/</a>			
X-Base Support	MS-Rigid-30	PSS-4	TL-3 (62 mph)	2001-085Q
X-Base Support	QFV-60	PSS-4	TL-3 (62 mph)	----
X-Base Support	QFV-84	PSS-4	TL-3 (62 mph)	----
X-Base Support	QFV48	PSS-4	TL-3 (62 mph)	----
X-Base Support	QFVW	PSS-4	TL-3 (62 mph)	----
X-Base Support	QLVW	PSS-4	TL-3 (62 mph)	----
X-Base Support	SDF4000	PSS-4	TL-3 (62 mph)	----
X-Base Support	SDL1000	PSS-4	TL-3 (62 mph)	----
X-Base Support	SDL1000 Latch	PSS-4	TL-3 (62 mph)	----
X-Base Support	SDL1008	PSS-4	TL-3 (62 mph)	----
X-Base Support	SMS-Flex-30	PSS-4	TL-3 (62 mph)	----
X-Base Support	STF-12C	PSS-4	TL-3 (62 mph)	----
X-Base Support	STF-12W	PSS-4	TL-3 (62 mph)	----
X-Base Support	STF-18	PSS-4	TL-3 (62 mph)	----
X-Base Support	STF1214	PSS-4	TL-3 (62 mph)	----
X-Base Support	STF1230	PSS-4	TL-3 (62 mph)	----
X-Base Support	SUF2000	PSS-4	TL-3 (62 mph)	----
X-Base Support	SUF2000S	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF-12	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF-12C	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF-12W	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF-18	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF-60	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF-84	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF1214	PSS-4	TL-3 (62 mph)	----
X-Base Support	TF1230	PSS-4	TL-3 (62 mph)	----
X-Base Support	UF-2000	PSS-4	TL-3 (62 mph)	2001-085Q
X-Base Support	UF2000S	PSS-4	TL-3 (62 mph)	----
X-Base Support	UF2000T	PSS-4	TL-3 (62 mph)	2010-317Q



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Portable Sign Support

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Product	Name	COA	Approved Crash Test Level	Ref. No.	
<b>DICSP 15</b>	<b>Dicke Safety Products, 1201 Warren Ave., Downers Grove, IL 60515 <a href="http://dicketool.com/">http://dicketool.com/</a></b>				
	X-Base Support	QFV48	PSS-7	TL-3 (62 mph)	----
	X-Base Support	QFVW	PSS-7	TL-3 (62 mph)	----
	X-Base Support	QLVW	PSS-7	TL-3 (62 mph)	----
<b>EASTM 15</b>	<b>Eastern Metal of Elmira, 1430 Sullivan Street, Elmira, NY 14901 <a href="http://www.usa-sign.com/">http://www.usa-sign.com/</a></b>				
	Tripod Support	E-350		TL-3 (62 mph)	2001-156Q
	X-Base Support	C-102		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-132		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-142		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-200		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-202		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-232		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-242		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-802		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-832		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-842		TL-3 (62 mph)	2001-105Q
	X-Base Support	C-902		TL-3 (62 mph)	2001-106Q
	X-Base Support	C-932		TL-3 (62 mph)	2001-106Q
	X-Base Support	C-942		TL-3 (62 mph)	2001-106Q
	X-Base Support	X-501		TL-3 (62 mph)	2001-106Q
	X-Base Support	X-550		TL-3 (62 mph)	2001-156Q
	X-Base Support	X-551		TL-3 (62 mph)	2001-106Q
	X-Base Support	X-552	PSS-5	TL-3 (62 mph)	----
	X-Base Support	X-553	PSS-5	TL-3 (62 mph)	----
	X-Base Support	X-600		TL-3 (62 mph)	2001-157Q
	X-Base Support	X-601		TL-3 (62 mph)	2001-106Q
	X-Base Support	X-840		TL-3 (62 mph)	2001-158Q
<b>IMPRS 15</b>	<b>Impact Recovery Systems, Inc., 4955 Stout Drive, San Antonio, TX 78219 <a href="http://www.impactrecovery.com/">http://www.impactrecovery.com/</a></b>				
	Rubber Base Support	350	PSS-6	TL-3 (62 mph)	----
	Rubber Base Support	351	PSS-6	TL-3 (62 mph)	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Portable Sign Support

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Product	Name	COA	Approved Crash Test Level	Ref. No.	
KORMN 15	Korman Signs, Inc., 3029 Lincoln Ave., Henrico, VA 23228 <a href="http://www.kormansigns.com/">http://www.kormansigns.com/</a>				
	Tripod Support	SS1	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548A	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548AE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548AEE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548AETL	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548C	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548CA	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548CAE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548CE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548E	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548EE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548ETL	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548UC	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548UCA	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548UCR	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS548UCRA	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS560	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS560A	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS560AE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS560AEE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS560E	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS560EE	PSS-12	TL-3 (62 mph)	----
	X-Base Support	SS560UCA	PSS-12	TL-3 (62 mph)	----





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### 901.2 Portable Sign Support

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Product	Name	COA	Approved Crash Test Level	Ref. No.
<b>MDITC 15</b>	<b>MDI Traffic Control Products, 38271 W. Twelve Mile Road, Farmington Hills, MI 48331 <a href="http://www.mdittrafficcontrol.com/">http://www.mdittrafficcontrol.com/</a></b>			
X-Base Support	30CAM		TL-3 (62 mph)	2000-341Q
X-Base Support	3612DLK		TL-3 (62 mph)	2000-341Q
X-Base Support	40CAM		TL-3 (62 mph)	2000-341Q
X-Base Support	4812		TL-3 (62 mph)	2000-341Q
X-Base Support	4814CS		TL-3 (62 mph)	2000-341Q
X-Base Support	4814DLK		TL-3 (62 mph)	2000-341Q
X-Base Support	4814HDK		TL-3 (62 mph)	2000-341Q
X-Base Support	4814K		TL-3 (62 mph)	2000-341Q
X-Base Support	4814NSCK		TL-3 (62 mph)	2000-341Q
X-Base Support	4814SSCK		TL-3 (62 mph)	2000-341Q
X-Base Support	4815		TL-3 (62 mph)	2000-341Q
X-Base Support	4818		TL-3 (62 mph)	2000-341Q
X-Base Support	4850		TL-3 (62 mph)	2000-341Q
X-Base Support	4860		TL-3 (62 mph)	2000-341Q
X-Base Support	4884CS		TL-3 (62 mph)	2000-341Q
X-Base Support	50SM		TL-3 (62 mph)	2000-341Q
<b>TRFXD 15</b>	<b>TraFFix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a></b>			
Tripod Support	Tri-Buster 93012	PSS-3	TL-3 (62 mph)	----
X-Base Support	Big Buster		TL-3 (62 mph)	2002-044Q
X-Base Support	Econo-Buster 80018	PSS-3	TL-3 (62 mph)	----
X-Base Support	Lil-Buster 24018		TL-3 (62 mph)	2001-030Q
X-Base Support	Traffic Stand 22000		TL-3 (62 mph)	2001-031Q
X-Base Support	Zephyr 26000		TL-3 (62 mph)	2001-032Q
<b>UNISO 15</b>	<b>UniqueSource, 1007 North Front Street, Harrisburg, PA 17110 <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a></b> <b>Formerly PIBH- 15.</b>			
X-Base Support	9905-0075-010		TL-3 (62 mph)	2001-033Q
X-Base Support	9905-0075-015		TL-3 (62 mph)	2001-034Q

### 901.2 Safety Markers

Last Revised: 7/9/2015



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Safety Markers

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
VAG&S 15 Vara, A. G. & Sons, 4881 Newton Road, Hamburg, NY 14075 Safety Marker	OC-5-30-64 Octopus		----

### 901.2 Sign Trailer with Solar Powered Flashing Beacons

Last Revised: 7/9/2015

May be used with regulatory or warning series signs within a construction zone.

The sign trailer shall not be used in place of a Type B warning light as required by Department Regulations.

The red beacons shall be used only in conjunction with a stop sign.

Product	Name	COA	Beacon Colors	Ref. No.
PROTE 15 Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a> Sign Trailer with Solar Powered Flashing Beacons	PFAW-M91-SST		Yellow and Red	----
TRFCN 15 Trafcon Industries, Inc., 81 Texaco Road, Mechanicsburg, PA 17050 <a href="http://www.trafcon.com/homepage.php">http://www.trafcon.com/homepage.php</a> Sign Trailer with Solar Powered Flashing Beacons	SST-1		Yellow and Red	----

### 901.2 Speed Display Signs

Last Revised: 7/9/2015

Product	Name	COA	Speed Display Mount	Speed Display Power	Ref. No.
ALLTS 15 All Traffic Solutions, 204 E. Calder Way, Suite 200, State College, PA 16801 <a href="http://www.alltrafficsolutions.com/">http://www.alltrafficsolutions.com/</a> Speed Display Sign	SpeedSentry 18	SDS-3	Trailer	Solar Battery	----
AMESC 15 American Signal Company, 2755 Bankers Industrial Drive, Atlanta, GA 30360 <a href="http://www.amsig.com/frame_home.htm">http://www.amsig.com/frame_home.htm</a> Speed Display Sign	Digibrite Advantage	SDS-5	Trailer	Solar Battery	----
INFDC 15 Information Display Company, 10950 SW 5th Street, Beaverton, OR 97005 <a href="http://informationdisplay.com/">http://informationdisplay.com/</a> Speed Display Sign	Dura Trailer	SDS-7	Trailer	Battery	2011-216Q
PROTE 15 Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a> Speed Display Sign	ConSAM	SDS-1	Trailer	Solar Battery	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Speed Display Signs

Last Revised: 7/9/2015

Product	Name	COA	Speed Display Mount	Speed Display Power	Ref. No.	
SOLAT 15	Solar Technology, Inc., 7620 Cetronia Road, Allentown, PA 18106 <a href="http://solartechnology.com/">http://solartechnology.com/</a> Speed Display Sign	RST-2000	SDS-6	Trailer	Solar Battery	----
TRFCN 15	Trafcon Industries, Inc., 81 Texaco Road, Mechanicsburg, PA 17050 <a href="http://www.trafcon.com/homepage.php">http://www.trafcon.com/homepage.php</a> Speed Display Sign	SST-2	SDS-2	Trailer	Solar Battery	----
VERMI 15	Ver-Mac, Inc., 1781 Bresse, Quebec, Quebec, Canada G2G 2V2 <a href="http://www.ver-mac.com/">http://www.ver-mac.com/</a> Speed Display Sign	SP-710	SDS-7	Trailer	Solar Battery	----
WANCN 15	Wanco, Inc., 5870 Tennyson Street, Arvada, CO 80003-6903 <a href="http://www.wanco.com/">http://www.wanco.com/</a> Speed Display Sign	WSDT-S	SDS-4	Trailer	Solar Battery	----

### 901.2 Stop/Slow Paddle, Flashing

Last Revised: 7/9/2015

Product	Name	COA	Paddle Size (in)	Ref. No.	
DETRL 15	Detronics Limited, 4003 Bloomington Rd, RR #4, Stouffville, Ontario, Canada Stop/Slow Paddle, Flashing	Model TES-336T	18x18	1996-251	
EASTM 15	Eastern Metal of Elmira, 1430 Sullivan Street, Elmira, NY 14901 <a href="http://www.usa-sign.com/">http://www.usa-sign.com/</a> Stop/Slow Paddle, Flashing	VA-WZ-1872-HI/DGF	FSSP-2	18x18	----
	Stop/Slow Paddle, Flashing	VA-WZ-2472-HI/DGF	FSSP-2	24x24	----
TRFPC 15	Traffic & Parking Control Company, Inc., 5100 Brown Deer Road, Brown Deer, WI 53223 <a href="http://www.tapconet.com/">http://www.tapconet.com/</a> Stop/Slow Paddle, Flashing	Blinkerpaddle 2180	FSSP-3	18x18	----
	Stop/Slow Paddle, Flashing	Blinkerpaddle 2180	FSSP-3	24x24	----

### 901.2 Temporary Barricades

Last Revised: 7/9/2015

Product	Name	COA	Barricade Light	Approved Crash Test Level	Ref. No.	
ALLPI 15	Allied Plastics, Inc., 150 Holy Hill Road, Twin Lakes, WI 53181 Three Sided Barricade	Multicade	BAR-11	Lighted	TL-3 (62 mph)	----



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### 901.2 Temporary Barricades

Last Revised: 7/9/2015

	Product	Name	COA	Barricade Light	Approved Crash Test Level	Ref. No.
<b>CAMSC 15</b>	<b>Camsco Services, Inc., 255 Pennbriar Drive, Erie, PA 16509 <a href="https://camsco.com/public/home.html">https://camsco.com/public/home.html</a></b>					
	Barricade, Type 2	T2HSA		Lighted	TL-3 (62 mph)	2002-076Q
<b>CORTI 15</b>	<b>Cortina Safety Products, 10706 West Grand Ave., Franklin Park, IL 60131 <a href="http://www.cortinaco.com/safety-products/cortina-safety-products/">http://www.cortinaco.com/safety-products/cortina-safety-products/</a></b>					
	Barricade, Type 1	Plastx 97-01-001	BAR-8		TL-3 (62 mph)	----
	Barricade, Type 1	Steelcade 97-03-001	BAR-8		TL-3 (62 mph)	----
	Barricade, Type 2	97-11-003-45 SF Series	BAR-8		TL-3 (62 mph)	----
	Barricade, Type 2	97-11-45 F Series	BAR-8		TL-3 (62 mph)	----
	Barricade, Type 2	Plastx 97-01-002	BAR-8		TL-3 (62 mph)	----
	Barricade, Type 2	Steelcade 97-03-002	BAR-8		TL-3 (62 mph)	----
<b>HTGCP 15</b>	<b>HTG Custom Plastech, 15002 Cross Creek Parkway, Newbury, OH 44065</b>					
	Barricade, Type 3	Sentinel B-30			TL-3 (62 mph)	2002-081Q
<b>IMPRS 15</b>	<b>Impact Recovery Systems, Inc., 4955 Stout Drive, San Antonio, TX 78219 <a href="http://www.impactrecovery.com/">http://www.impactrecovery.com/</a></b>					
	Barricade, Type 3	Barricade Series 600	BAR-9		TL-3 (62 mph)	----
<b>KORMN 15</b>	<b>Korman Signs, Inc., 3029 Lincoln Ave., Henrico, VA 23228 <a href="http://www.kormansigns.com/">http://www.kormansigns.com/</a></b>					
	Barricade, Type 1	WBT2 Jammer Plastic	BAR-12	Lighted	TL-3 (62 mph)	----
	Barricade, Type 1	WBT2 Jammer Steel	BAR-12	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	WBT2 Jammer Plastic	BAR-12	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	WBT2 Jammer Steel	BAR-12	Lighted	TL-3 (62 mph)	----
	Barricade, Type 3	WBT3BR Splice Plate Bracket	BAR-12	Lighted	TL-3 (62 mph)	----
	Barricade, Type 3	WBT3HP EZ-Kade	BAR-12	Lighted	TL-3 (62 mph)	----
	Barricade, Type 3	WBT3SW Welded Stub	BAR-12	Lighted	TL-3 (62 mph)	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barricades

Last Revised: 7/9/2015

Product	Name	COA	Barricade Light	Approved Crash Test Level	Ref. No.	
<b>PLAPC 15</b>	<b>Plasticade Products Corporation, 7700 North Austin Ave., Skokie, IL 60077 <a href="http://www.plasticade.com/">http://www.plasticade.com/</a></b>					
	Barricade, Direction Indicator (DI)	SafetyCade		Lighted	TL-3 (62 mph)	2000-303Q
	Barricade, Type 1	100-WT12EG	BAR-10	Lighted	TL-3 (62 mph)	----
	Barricade, Type 1	Fibercade 101	BAR-10	Lighted	TL-3 (62 mph)	----
	Barricade, Type 1	SafetyCade		Lighted	TL-3 (62 mph)	2000-303Q
	Barricade, Type 2	100-T12B8	BAR-10	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	Fibercade 111	BAR-10	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	SafetyCade		Lighted	TL-3 (62 mph)	2000-303Q
	Barricade, Type 3	300 Series	BAR-10		TL-3 (62 mph)	----
<b>PROTE 15</b>	<b>Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a></b>					
	Barricade, Type 3	Type Metallic Barricade	BAR-14		TL-3 (62 mph)	2012-040Q
<b>THDTW 15</b>	<b>Three D Traffic Works, Inc., 430 North Varney Street, Burbank, CA 91502 <a href="http://www.trafficwks.com/">http://www.trafficwks.com/</a></b>					
	Barricade, Type 1	TD 2000 Works		Lighted	TL-3 (62 mph)	2000-272Q
	Barricade, Type 1	TD 2150 Works	BAR-1	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	TD 2000 Works		Lighted	TL-3 (62 mph)	2000-272Q
	Barricade, Type 2	TD 2150 Works	BAR-1	Lighted	TL-3 (62 mph)	----
<b>TRFXD 15</b>	<b>TraFFix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a></b>					
	Barricade, Type 1	TD 36000 Series	BAR-4	Lighted	TL-3 (62 mph)	----
	Barricade, Type 1	TD 37000 Series	BAR-4	Lighted	TL-3 (62 mph)	----
	Barricade, Type 1	TD 39000 Series	BAR-4	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	TD 36000 Series	BAR-4	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	TD 37000 Series	BAR-4	Lighted	TL-3 (62 mph)	----
	Barricade, Type 2	TD 39000 Series	BAR-4	Lighted	TL-3 (62 mph)	----
<b>YODOK 15</b>	<b>Yodock Wall Company, Inc., 900 Patterson Drive, Bloomsburg, PA 17815 <a href="http://www.yodock.com/">http://www.yodock.com/</a></b>					
	Barricade, Type 3	Model 2001	BAR-7		TL-3 (62 mph)	----
	<i>Maximum water per cell unit: 1060 pounds (482 kg).</i>					
	Barricade, Type 3	Model 2001M	BAR-7		TL-3 (62 mph)	----
	<i>May not contain water.</i>					



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barrier, Concrete (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Barrier Shape	Connection Type	Tested Height (in)	Tested Deflection (ft)	Barrier Approved Crash Test Level	FHWA Acc. Letter	Ref. No.
<b>BARCO 15</b>	<b>Barrier Connection, LLC, 976 Narcissus Avenue, Clearwater, FL 33767-0564</b>								
	Temporary Concrete Barrier		F	Pin and Loop	32	4.2	TL-3 (62 mph)	B-164	----
	<i>Approved FHWA Barrier System Design only, not manufacturers! Requires approval by District and Central Office BOPD, Highway Delivery Division before use.</i>								
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
<b>EASSI 15</b>	<b>Easi-Set Industries, 5119 Catlett Road, P.O. Box 400, Midland, VA 22728 <a href="http://www.easiset.com/">http://www.easiset.com/</a></b>								
	Temporary Concrete Barrier		F and NJ	J-J Hook	32	4.2	TL-3 (62 mph)	B-52	----
	<i>See Section 714.</i>								
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
	Temporary Concrete Barrier		F	J-J Hook (MASH)	32	0.50	TL-3 (62 mph)	B-52B	2013-194A
	<i>Roadway Use only - Bolted to concrete surface.</i>								
	<i>See Section 714.</i>								
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
	Temporary Concrete Barrier		F	J-J Hook (MASH)	32	0.73	TL-3 (62 mph)	B-52C	2013-194A
	<i>Roadway Use only - Pinned down to asphalt surface.</i>								
	<i>See Section 714.</i>								
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
<b>KENPR 15</b>	<b>Kentucky Precast, Easi-Set Industries, 5119 Catlett Road, P.O. Box 400, Midland, VA 22728</b>								
	Temporary Concrete Barrier		NJ	J-J Hook	32	5.6	TL-3 (62 mph)	B-169	----
	<i>Approved FHWA Barrier System Design only, not manufacturers. Requires approval by District and Central Office BOPD, Highway Delivery Division, before use.</i>								
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barrier, Concrete (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Barrier Shape	Connection Type	Tested Height (in)	Tested Deflection (ft)	Barrier Approved Crash Test Level	FHWA Acc. Letter	Ref. No.	
LINSY 15 Plant	Lindsay Transportation Solutions, Barrier Systems, 180 River Road, Rio Vista, CA 94571 505 Crown Point Ave Omaha, NE 67110		Temporary Concrete Barrier	Tee-Head	Pin and Hinge	32	4.4	TL-3 (62 mph)	B-63	2013-052
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>									
NYSDO 15	NYSDOT, State Office Campus-Building 5, Room 410, 1220 Washington Avenue, Albany, NY 12232-0751		Temporary Concrete Barrier	F and NJ	I-Beam	32	3.4	TL-3 (62 mph)	B-94	----
	<i>See Section 714. MwRSF Report TRP-03-202-08, 03/14/2008 FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>									
OHIDO 15	Ohio DOT, Ohio Department of Transportation, P. O. Box 899, Columbus, OH 43216-0899		Temporary Concrete Barrier	NJ	Pin and Loop	32	5.6	TL-3 (62 mph)	B-93	----
	<i>Approved FHWA Barrier System Design only, not manufacturers. Requires approval by District and Central Office BOPD, Highway Delivery Division, before use. FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>									
ROCPR 15	Rockingham Precast, P.O. Box 1347, Harrisonburg, VA 22801		Temporary Concrete Barrier	F	T-Shape Plate	32	3.8	TL-3 (62 mph)	B-42	----
	<i>Approved FHWA Barrier System Design only, not manufacturers. Requires approval by District and Central Office BOPD, Highway Delivery Division, before use. FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>									
VIRDO 15	Virginia DOT, The Dale Building, Suite 205, 1504 Santa Rosa Road, Richmond, VA 23229		Temporary Concrete Barrier	F	Pin and Loop	32	6.0	TL-3 (62 mph)	B-54	----
	<i>Approved FHWA Barrier System Design only, not manufacturers. Requires approval by District and Central Office BOPD, Highway Delivery Division, before use. FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>									



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barrier, Concrete - Retrofit Systems to Limit Deflection (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Comp. Barrier Shape	Comp. Barrier Conn. Type	Comp. Barrier Supplier Code	Tested Retrofit Deflection	FHWA Acc. Letter	Ref. No.
NORPR 15	Northeast Precast, 92 Reese Road, Millville, NJ 08332 <a href="http://www.northeastprecast.com/">http://www.northeastprecast.com/</a>							
	Barrier Retrofit System (Limit Deflection)	Pinned Sections	NJ Shape Only	I-Beam		1.7	B-94	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system. MwRSF Report #TRP-03-224-10, 01/27/2010 Per <a href="#">Northeast Precast Drawings Dated 07/30/2012</a></i>							
STRBK 15	Strongstown's B&K Enterprises, Inc., 260 Route 403 South, P. O. Box 124, Strongstown, PA 15957							
	Barrier Retrofit System (Limit Deflection)	PCB Deflection Reducing Retrofit System	F shape only	J-J Hook		1.6	B-52 / B-251	2014-148QA
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							

### 901.2 Temporary Barrier, Steel (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Tested Height (in)	Tested Deflection (ft)	Barrier Approved Crash Test Level	Structure Mounted	PennDOT Drawing	FHWA Acc. Letter	Ref. No.
BARRS 15	Barrier Systems, Inc., 180 River Road, Rio Vista, CA 94571 <a href="http://www.barriersystemsinc.com/">http://www.barriersystemsinc.com/</a>								
	Temporary Steel Barrier	Armorguard Barrier (moveable)	33.3	2.4 to 8.75	TL-3 (62 mph)	No		B-173	2004-057Q
	<i>Tested deflection varies by configuration. See B-173 for details. FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								





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### 901.2 Temporary Barrier, Steel (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Tested Height (in)	Tested Deflection (ft)	Barrier Approved Crash Test Level	Structure Mounted	PennDOT Drawing	FHWA Acc. Letter	Ref. No.
ENERG 15 Plant	Energy Absorption Systems, Inc., 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://energyabsorption.com/">http://energyabsorption.com/</a>								
	Temporary Steel Barrier	Vulcan System (Min. Def. Sys.) (movable)	32	1	TL-3 (62 mph)	No		B-134C	2009-099Q
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
	Temporary Steel Barrier	Vulcan System (movable)	32	3.75	TL-4 (small truck)	No		B-134D	2009-099Q
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
	Temporary Steel Barrier	Vulcan System (movable)	32	6	TL-3 (62 mph)	No		B-134	2009-099Q
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barrier, Steel (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Tested Height (in)	Tested Deflection (ft)	Barrier Approved Crash Test Level	Structure Mounted	PennDOT Drawing	FHWA Acc. Letter	Ref. No.
HIGCA 15	Highway Care, 7068 Fire Opal Drive, Las Vegas, NV 89131 <a href="http://www.highwaycare.co.uk/">http://www.highwaycare.co.uk/</a>								
Temporary Steel Barrier	BarrierGuard 800 (MDS)		36-1/16	Min. 2.92 ft for 40 ft anchor spacing	TL-3 (62 mph)	Yes	14-602-BDTD	B-158	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	BarrierGuard 800 (MDS)		36-1/16	Min. 0.25 ft for 20 ft anchor spacing	TL-3 (62 mph)	Yes	14-602-BDTD	B-158	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	BarrierGuard 800 (movable)		31.5	5	TL-3 (62 mph)	No		B-131	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	BarrierGuard 800 (movable)		31.5	5	TL-4 (small truck)	No		B-131	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	BarrierGuard 800 (movable)		36	1	TL-3 (62 mph)	No		B-158	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	BarrierGuard 800 (movable)		31.5	standard 4.92	TL-3 (62 mph)	Yes	14-602-BDTD	B-158	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	BarrierGuard 800 (movable)		31.5	standard 4.92	TL-4 (small truck)	Yes	14-602-BDTD	B-158	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barrier, Steel (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Tested Height (in)	Tested Deflection (ft)	Barrier Approved Crash Test Level	Structure Mounted	PennDOT Drawing	FHWA Acc. Letter	Ref. No.
<b>HILSM 15</b>	<b>Hill &amp; Smith, 1000 Buckeye Park Road, Columbus, OH 43207 <a href="http://www.hillandsmith.com/">http://www.hillandsmith.com/</a></b>								
Temporary Steel Barrier	Zoneguard		32	std 4.17	TL-3 (62 mph)	Yes	12-602-BDTD	B-176A	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	Zoneguard		32	std 4.17	TL-4 (small truck)	Yes	12-602-BDTD	B-176A	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	Zoneguard		32	std 6.25 / min 1.25	TL-3 (62 mph)	No		B-176A	2010-154Q
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	Zoneguard		32	std 6.3 / min 1.3	TL-4 (small truck)	No		B-176A	2010-154Q
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
Temporary Steel Barrier	Zoneguard (Min. Def. Install)		32	min 0.17	TL-3 (62 mph)	Yes	12-602-BDTD	B-176A	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								
<b>MOBBA 15</b>	<b>Mobile Barriers, LLC, 24918 Genesee Trail Road, Golden, CO 80401 <a href="http://mobilebarriers.com/">http://mobilebarriers.com/</a></b>								
Temporary Steel Barrier	MBT-1 Mobile Barrier		48	2	TL-3 (62 mph)	No		B-178	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>								

### 901.2 Temporary Barrier, Water-Filled (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Barrier Material	Tested Height (in)	Tested Deflection (ft)	Approved Crash Test Level	FHWA Acc. Letter	Ref. No.
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# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barrier, Water-Filled (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Barrier Material	Tested Height (in)	Tested Deflection (ft)	Approved Crash Test Level	FHWA Acc. Letter	Ref. No.
<b>ARMOR 15</b>	<b>Armorcast Products Company, 13230 Satcoy Street, North Hollywood, CA 91605 <a href="http://www.armorcastprod.com/">http://www.armorcastprod.com/</a></b>							
Temporary Water-Filled Barrier	Guardian Safety Barrier		Plastic with Steel Tubing	42	6.5	TL-3 (62 mph)	B-34E	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							
<b>ENERG 15 Plant</b>	<b>Energy Absorption Systems, Inc., 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://energyabsorption.com/">http://energyabsorption.com/</a></b>							
Temporary Water-Filled Barrier	Triton		Plastic with Steel Straps	32	8.75	TL-2 (44 mph)	B-21	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							
Temporary Water-Filled Barrier	Triton		Plastic with Steel Straps	32	+10	TL-3 (62 mph)	B-48	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							
<b>TRFXD 15</b>	<b>Traffix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a></b>							
Temporary Water-Filled Barrier	Sentry		Plastic with Steel Cable	43	5.75	TL-2 (44 mph)	B-196	2010-039Q
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							
Temporary Water-Filled Barrier	Sentry		Plastic with Steel Cable	43	9	TL-3 (62 mph)	B-196	2010-039Q
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Barrier, Water-Filled (DM-2, Chapter 12)

Last Revised: 7/9/2015

Deflection distances are documented from controlled crash tests (NCHRP 350 or MASH criteria ) at 25 degree impact angles.

FHWA Acceptance Letters: [Longitudinal Barrier Letters](#)

Product	Name	COA	Barrier Material	Tested Height (in)	Tested Deflection (ft)	Approved Crash Test Level	FHWA Acc. Letter	Ref. No.
YODOK 15	Yodock Wall Company, Inc., 900 Patterson Drive, Bloomsburg, PA 17815 <a href="http://www.yodock.com/">http://www.yodock.com/</a>							
	Temporary Water-Filled Barrier	Model 2001	Plastic with Steel Tubing	46	14	TL-3 (62 mph)	B-97	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							
	Temporary Water-Filled Barrier	Model 2001M	Plastic with Steel Tubing	32	12	TL-2 (44 mph)	B-97	----
	<i>FHWA Acceptance Letter: refer to the FHWA website for any subsequent or follow-up letters for each approved system.</i>							

### 901.2 Temporary Pavement Marking Tape, Nonremovable

Last Revised: 7/9/2015

Product	Name	COA	Tape Color	Tape Surface	Ref. No.
FOLT- 15	FOL Tape, LLC, 2025 Hitzert Court, Fenton, MO 63026 <a href="http://www.foltape.com/">http://www.foltape.com/</a>				
	Temporary Pavement Marking Tape, Nonremovable	FOL200	TPT-01	White	Bituminous and Concrete 1991-235
	Temporary Pavement Marking Tape, Nonremovable	FOL200	TPT-01	Yellow	Bituminous and Concrete 1991-236
	Temporary Pavement Marking Tape, Nonremovable	FOL300	TPT-01	White	Bituminous and Concrete 1991-237
	Temporary Pavement Marking Tape, Nonremovable	FOL300	TPT-01	Yellow	Bituminous and Concrete 1991-238



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Pavement Marking Tape, Nonremovable

Last Revised: 7/9/2015

Product	Name	COA	Tape Color	Tape Surface	Ref. No.	
SWAR0 15	Swarco Reflex LLC, 900 N. Denton, Mexia, TX 76667 <a href="https://www.swarco.com/northamerica">https://www.swarco.com/northamerica</a>					
	Temporary Pavement Marking Tape, Nonremovable	Visa-Line C.G	TPT-02	White	Bituminous and Concrete	1991-229
	Temporary Pavement Marking Tape, Nonremovable	Visa-Line C.G	TPT-02	Yellow	Bituminous and Concrete	1991-230
	Temporary Pavement Marking Tape, Nonremovable	Visa-Line E.G	TPT-02	White	Bituminous and Concrete	1991-231
	Temporary Pavement Marking Tape, Nonremovable	Visa-Line E.G	TPT-02	Yellow	Bituminous and Concrete	1991-232

### 901.2 Temporary Pavement Marking Tape, Removable

Last Revised: 7/9/2015

Product	Name	COA	Tape Color	Tape Surface	Ref. No.	
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>					
	Temporary Pavement Marking Tape, Removable	Staymark 145	TT-01	Black Line Mask	Bituminous and Concrete	1992-190
	Temporary Pavement Marking Tape, Removable	Staymark 715	TT-01	Black Line Mask	Bituminous and Concrete	2011-215QC
	Temporary Pavement Marking Tape, Removable	Staymark Wet Reflective Tape Series 710	TT-01	White	Bituminous and Concrete	2011-215QA
	Temporary Pavement Marking Tape, Removable	Staymark Wet Reflective Tape Series 711	TT-01	Yellow	Bituminous and Concrete	2011-215QB
	Temporary Pavement Marking Tape, Removable	Staymark Wet Reflective Tape Series 780	TT-01	White	Bituminous and Concrete	2010-126QA
	Temporary Pavement Marking Tape, Removable	Staymark Wet Reflective Tape Series 781	TT-01	Yellow	Bituminous and Concrete	2010-126QB



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Pavement Marking Tape, Removable

Last Revised: 7/9/2015

Product	Name	COA	Tape Color	Tape Surface	Ref. No.	
ADTMK 15	<b>Advance Traffic Markings, P.O. Box H, Roanoke Rapids, NC 27870-8082 <a href="http://www.trafficmarkings.com/">http://www.trafficmarkings.com/</a></b>					
	Temporary Pavement Marking Tape, Removable	280B 19-286 Black	TT-02	Black Line Mask	Bituminous and Concrete	----
	Temporary Pavement Marking Tape, Removable	ATM200W 19-200/216	TT-02	White	Bituminous and Concrete	----
	Temporary Pavement Marking Tape, Removable	ATM200Y 19-201/217	TT-02	Yellow	Bituminous and Concrete	----
BRITE 15	<b>Brite-Line Technologies LLC, 10660 E. 51st Ave., Denver, CO 80239 <a href="http://brite-line.com/">http://brite-line.com/</a></b>					
	Temporary Pavement Marking Tape, Removable	Series 100	TT-03	White	Bituminous and Concrete	1992-188
	Temporary Pavement Marking Tape, Removable	Series 100	TT-03	Yellow	Bituminous and Concrete	1993-159A
	Temporary Pavement Marking Tape, Removable	TWR	TT-03	White	Bituminous and Concrete	----
	Temporary Pavement Marking Tape, Removable	TWR	TT-03	Yellow	Bituminous and Concrete	----
SWAR0 15	<b>Swarco Reflex LLC, 900 N. Denton, Mexia, TX 76667 <a href="https://www.swarco.com/northamerica">https://www.swarco.com/northamerica</a></b>					
	Temporary Pavement Marking Tape, Removable	Director 2	TT-05	White	Bituminous and Concrete	1991-227
	Temporary Pavement Marking Tape, Removable	Director 2	TT-05	Yellow	Bituminous and Concrete	1991-228
	Temporary Pavement Marking Tape, Removable	Director 2 WR	TT-07	White	Bituminous and Concrete	2010-008QA
	Temporary Pavement Marking Tape, Removable	Director 2 WR	TT-07	Yellow	Bituminous and Concrete	2010-008QB
TAPE4 15	<b>Tape 4, LLC, 2940 Mary Avenue, St. Louis, MO 63144 <a href="http://tape4.com/Tape4/Tape_4.html">http://tape4.com/Tape4/Tape_4.html</a></b> <b>Formerly Laminations PB (LAMPB 15)</b>					
	Temporary Pavement Marking Tape, Removable	Aztec 102 Engr. Gr.		White	Bituminous and Concrete	1993-168A
	Temporary Pavement Marking Tape, Removable	Aztec 390		Yellow	Bituminous and Concrete	1994-140



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Temporary Portable Rumble Strips (Pub 213)

Last Revised: 7/9/2015

Product	Name	COA	Pipe Certification	Ref. No.	
PLASS 15	Plastic Safety Systems, Inc., 2444 Baldwin Road, P.O. Box 20140, Cleveland, OH 44104 <a href="http://plasticsafety.com/">http://plasticsafety.com/</a>				
	Temporary Portable Rumble Strips	RoadQuake 2 (RQ2)	TPRS-01	Black	----
	Temporary Portable Rumble Strips	RoadQuake 2 (RQ2)	TPRS-01	White	----
	Temporary Portable Rumble Strips	RoadQuake 2 (RQ2)	TPRS-01	Orange	----

### 901.2 Temporary Traffic Signals

Last Revised: 7/9/2015

Product	Name	COA	COA Date	Signal Mount	Ref. No.	
HORST 15	Horizon Signal Technologies, 5 Corporate Blvd., Reading, PA 19608 <a href="http://horizonsignal.com/">http://horizonsignal.com/</a>					
	Temporary Traffic Signal	SQ2	HOR-01	12/16/2008	Pedestal Mount	----
	Temporary Traffic Signal	SQ3TS	HOR-00	12/16/2008	Trailer Mount	----
NORAT 15	North America Traffic, 7 Petersburg Circle, Port Colborne, Ontario, Canada L3K 5V5 <a href="http://www.northamericatraffic.com/">http://www.northamericatraffic.com/</a>					
	Temporary Traffic Signal	PTL 2.4x	NAT-00	12/16/2008	Trailer Mount	----
THOJO 15	Thomas, John Inc., 1560 Lovett Drive, Dixon, IL 61021					
	Temporary Traffic Signal	ADDCO PTS-2000	JTI-001P	3/12/2012	Trailer Mount	----

### 901.2 Traffic Alert Radio

Last Revised: 7/9/2015

Product	Name	COA	Power	Ref. No.
TRFCN 15	Trafcon Industries, Inc., 81 Texaco Road, Mechanicsburg, PA 17050 <a href="http://www.trafcon.com/homepage.php">http://www.trafcon.com/homepage.php</a>			
	CB Radio	Wizard	Battery/Vehicle, AC with adapter	1998-007

### 901.2 Traffic Cones

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.





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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Traffic Cones

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

	Product	Name	COA	Cone Type	Height (in)	Cone Color	Ref. No.
HIGSP 15	Highway Safety Products, 1060 Kaiser Road, P. O. Box 4169, Napa, CA 94558 <a href="http://hsptrafficcones.com/">http://hsptrafficcones.com/</a>						
	Traffic Cone	BHSP 4328	TC-2	One piece	28	Fluorescent Orange	----
	Traffic Cone	HSP 4328			28	Red Orange	1994-056
	Traffic Cone	HSP 4328E-10		Slimline	28	Red Orange	1994-055
	Traffic Cone	HSP 4336			36	Red Orange	1994-058
JBCSP 15	JBC Safety Plastic Inc., 1081 Dougherty Lake Estates Drive, St. Louis, MO 63122 <a href="http://jbcasafety.com/">http://jbcasafety.com/</a>						
	Traffic Cone	RC70045C		10 lb Wide Body	28	Fluorescent Orange	2004-034Q
	Traffic Cone	RC70045CT		10 lb Wide Body	28	Fluorescent Orange	2005-104Q
	Traffic Cone	RC70045S		10 lb Slimline	28	Fluorescent Orange	2004-035Q
LAKSD 15	Lakeside Plastics, Inc., 450 West 33rd Avenue, P.O. Box 2384, Oshkosh, WI 54903 <a href="http://www.lakesideplastics.net/index.html">http://www.lakesideplastics.net/index.html</a>						
	Traffic Cone	2850-10	TC-4	Trimline	28	Red Orange	1994-075
	Traffic Cone	2850-10	TC-4		28	Red Orange	1994-078
PLAPC 15	Plasticade Products Corporation, 7700 North Austin Ave., Skokie, IL 60077 <a href="http://www.plasticade.com/">http://www.plasticade.com/</a>						
	Traffic Cone	Navigator Traffic Channelizer 650	TC-15		48	Orange	2012-157Q
PLASS 15	Plastic Safety Systems, Inc., 2444 Baldwin Road, P.O. Box 20140, Cleveland, OH 44104 <a href="http://plasticsafety.com/">http://plasticsafety.com/</a>						
	Traffic Cone	Navigator Channelizer			42	Fluorescent Orange	2010-275Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>						
PROTE 15	Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a>						
	Traffic Cone	Channelizer			42	Fluorescent Orange	2006-048Q



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Traffic Cones

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

Product	Name	COA	Cone Type	Height (in)	Cone Color	Ref. No.
<b>SERVM 15</b>	<b>Service &amp; Materials Company, Inc., 4835 East County Road 600, Sunman, IN 47041</b>					
Traffic Cone	2058647			28	Red Orange / Black Base	1994-038
Traffic Cone	TC-28FH-PA		Slimline	28	Red Orange	2001-184Q
Traffic Cone	TC-28WH-PA		Wide Body	28	Red Orange	2001-183Q
<b>TRFXD 15</b>	<b>TraFFix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a></b>					
Traffic Cone	Grabber 42000 Series	TC-13		42	Orange / Fluorescent Orange	----
Traffic Cone	Looper 46000 Series	TC-13		42	Orange / Fluorescent Orange	----
Traffic Cone	Spring Cone	TC-13			Orange	----
<b>WORKA 15</b>	<b>Work Area Protection Corporation, 2500 Production Drive, PO Box 4087, St. Charles, IL 60174 <a href="http://workareaprotection.com/">http://workareaprotection.com/</a></b>					
Traffic Cone	18 PVCS	TC-6	3 lb	18	Orange	1993-107
Traffic Cone	18 PVCS	TC-6	3 lb	18	Orange	1994-071
Traffic Cone	28 PVCH	TC-6	10 lb Wide Body	28	Orange	1993-109
Traffic Cone	28 PVCH	TC-6	10 lb Wide Body	28	Orange	1994-073
Traffic Cone	28 PVCTLH	TC-6	10 lb	28	Orange	1993-108
Traffic Cone	28 PVCTLH	TC-6	10 lb Trimline	28	Orange	1994-074
Traffic Cone	36 PVCS	TC-6	10 lb	36	Orange	1993-238
Traffic Cone	36 PVCS	TC-6	10 lb	36	Orange	1994-072

### 901.2 Traffic Warning Signal Spinning Delineator

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
<b>SHEWN 15</b>	<b>Sherwin Industries, Inc., 2410 Copper Hill Place, Midlothian, VA 23112 <a href="http://sherwinindustriesinc.com/sherwin/">http://sherwinindustriesinc.com/sherwin/</a></b>		
Spinning Delineator	Safe T Spin		1995-107



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Traffic Warning Signal Spinning Delineator

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
SHEWN 15	Sherwin Industries, Inc., 2410 Copper Hill Place, Midlothian, VA 23112 <a href="http://sherwinindustriesinc.com/sherwin/">http://sherwinindustriesinc.com/sherwin/</a>		
<i>This device shall not be used in place of a warning light required by Publication 203.</i>			

### 901.2 Truck-Mounted Attenuator (TMA)

Last Revised: 7/9/2015

Product	Name	COA	Approved Crash Test Level	Ref. No.
ENERG 15 Plant	Energy Absorption Systems, Inc., 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://energyabsorption.com/">http://energyabsorption.com/</a>			
	Pell City, AL			
	Truck-Mounted Attenuator (TMA)	ALPHA 100K TMA, Model 8190	TL-3 (62 mph)	1997-159
	Truck-Mounted Attenuator (TMA)	ALPHA 70K TMA	TL-2 (44 mph)	1997-055
	Truck-Mounted Attenuator (TMA)	Safe-Stop TMA, Model 8290	TMA-2(14) TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Safe-Stop TMA, Model 8291	TMA-2(14) TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Safe-Stop TMA, Model 8291CLC	TL-3 (62 mph)	1999-177
	Truck-Mounted Attenuator (TMA)	Safe-Stop TMA, Model 9180	TMA-2(14) TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Safe-Stop TMA, Model 9181	TMA-2(14) TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Safe-Stop TMA, Model 9182	TMA-2(14) TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Safe-Stop TMA, Model 9182LC	TMA-2 TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Safe-Stop Trailer TMA, Model 9000	TMA-2 TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Vorteq Trailer TMA	TMA-2 TL-3 (62 mph)	----
GREGV 15	Gregory Industries, Inc., 4100 13th Street SW, P.O. Box 80508, Canton, OH 44708 <a href="http://www.gregorycorp.com/gccorp.htm">http://www.gregorycorp.com/gccorp.htm</a>			
	Truck-Mounted Attenuator (TMA)	Model TTMA-100 Trailer Attenuator	TA-01 TL-3 (62 mph)	2013-147



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Truck-Mounted Attenuator (TMA)

Last Revised: 7/9/2015

Product	Name	COA	Approved Crash Test Level	Ref. No.	
LINSY 15 Plant	Lindsay Transportation Solutions, Barrier Systems, 180 River Road, Rio Vista, CA 94571 <a href="http://www.lindsay.com/transportation-solutions">http://www.lindsay.com/transportation-solutions</a> 505 Crown Point Ave Omaha, NE 67110				
	Truck-Mounted Attenuator (TMA)	U-MAD 100K		TL-3 (62 mph)	2000-229Q
	Truck-Mounted Attenuator (TMA)	U-MAD 100K Trailer Attenuator	TA-02	TL-3 (62 mph)	2014-030Q
	Truck-Mounted Attenuator (TMA)	U-MAD 70K		TL-2 (44 mph)	2000-229Q
PROTE 15	Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a>				
	Truck-Mounted Attenuator (TMA)	React-350 TMA		TL-3 (62 mph)	1998-158
RENCO 15	Renco Supply Inc., P.O. Box 730, Pflugerville, TX 78691 <a href="http://rencosupply.com/">http://rencosupply.com/</a>				
	Truck-Mounted Attenuator (TMA)	RAM 100k	TMA-3	TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	Ren-Gard 815	TMA-3	TL-2 (44 mph)	----
SYRS2 15	Syro, Inc., 2525 Stemmons Freeway, Dallas, TX 75207 <a href="http://www.syrologistics.com/">http://www.syrologistics.com/</a>				
	Truck-Mounted Attenuator (TMA)	MPS-350III		TL-3 (62 mph)	1997-035
TRFXD 15	Traffix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a>				
	Truck-Mounted Attenuator (TMA)	Scorpion Model 10002	TMA-7	TL-3 (62 mph)	----
	Truck-Mounted Attenuator (TMA)	TL3-12TA Trailer			
	Truck-Mounted Attenuator (TMA)	Scorpion Model A 10,000		TL-2 (44 mph)	2000-301Q
Truck-Mounted Attenuator (TMA)	Scorpion Model C 10,000		TL-3 (62 mph)	2000-301Q	
TRIN0 15	Trinity Highway Products, LLC, 2525 Stemmons Freeway, Dallas, TX 75207 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>				
	Truck-Mounted Attenuator (TMA)	MPS-350	TMA-1(03)	TL-3 (62 mph)	-

### 901.2 Tubular Markers (Traffic Guide Posts)

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

Product	Name	COA	Height (in)	Tubular Marker Color	Tubular Marker Bond	Ref. No.
CARST 15	Carsonite International Corporation, Carsonite Composites, 19845 US Highway 76, Newberry, SC 29108 <a href="http://www.carsonite.com/">http://www.carsonite.com/</a>					
	Tubular Marker	SDC-2036	TM-09	36	White	Butyl Pad
Tubular Marker	SDC-2036	TM-09	36	Yellow	Butyl Pad	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Tubular Markers (Traffic Guide Posts)

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

Product	Name	COA	Height (in)	Tubular Marker Color	Tubular Marker Bond	Ref. No.
<b>CARST 15</b>	<b>Carsonite International Corporation, Carsonite Composites, 19845 US Highway 76, Newberry, SC 29108 <a href="http://www.carsonite.com/">http://www.carsonite.com/</a></b>					
Tubular Marker	SDC-2036	TM-09	36	White	Epoxy	----
Tubular Marker	SDC-2036	TM-09	36	Yellow	Epoxy	----
Tubular Marker	SDC-2048	TM-09	48	White	Butyl Pad	----
Tubular Marker	SDC-2048	TM-09	48	Yellow	Butyl Pad	----
Tubular Marker	SDC-2048	TM-09	48	White	Epoxy	----
Tubular Marker	SDC-2048	TM-09	48	Yellow	Epoxy	----
Tubular Marker	SDR-3028	TM-09	28	White	Butyl Pad	----
Tubular Marker	SDR-3028	TM-09	28	Yellow	Butyl Pad	----
Tubular Marker	SDR-3028	TM-09	28	Orange	Butyl Pad	----
Tubular Marker	SDR-3036	TM-09	36	White	Butyl Pad	----
Tubular Marker	SDR-3036	TM-09	36	Yellow	Butyl Pad	----
Tubular Marker	SDR-3036	TM-09	36	Orange	Butyl Pad	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Tubular Markers (Traffic Guide Posts)

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

Product	Name	COA	Height (in)	Tubular Marker Color	Tubular Marker Bond	Ref. No.	
<b>FLEXS 15</b>	<b>FlexStake, Inc., 2150 Andrea Lane, Fort Myers, FL 33912 <a href="http://www.flexstake.com/">http://www.flexstake.com/</a></b>						
	Tubular Marker	TM 753	TM-10	36	White	Butyl Pad	----
	Tubular Marker	TM 753	TM-10	36	Yellow	Butyl Pad	----
	Tubular Marker	TM 753	TM-10	36	Orange	Butyl Pad	----
	Tubular Marker	TM 753	TM-10	36	Red	Butyl Pad	----
	Tubular Marker	TM 753	TM-10	36	Blue	Butyl Pad	----
	Tubular Marker	TM 753	TM-10	36	Green	Butyl Pad	----
	Tubular Marker	TM 753	TM-10	36	Gray	Butyl Pad	----
	Tubular Marker	TM 753	TM-10	36	Brown	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	Yellow	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	Orange	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	Red	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	Blue	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	Green	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	Gray	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	Brown	Butyl Pad	----
	Tubular Marker	TM 754	TM-10	48	White	Butyl Pad	----
<b>PEXCO 15</b>	<b>Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a></b>						
	Tubular Marker	FG 300-UR/18"	TM-13	18	White	Epoxy	----
	Tubular Marker	FG 300-UR/18"	TM-13	18	Yellow	Epoxy	----
	Tubular Marker	FG 300-UR/18"	TM-13	18	Orange	Epoxy	----
	Tubular Marker	FG 300-UR/24"	TM-13	24	White	Epoxy	----
	Tubular Marker	FG 300-UR/24"	TM-13	24	Yellow	Epoxy	----
	Tubular Marker	FG 300-UR/24"	TM-13	24	Orange	Epoxy	----
	Tubular Marker	FG 300-UR/36"	TM-13	36	White	Epoxy	----
	Tubular Marker	FG 300-UR/36"	TM-13	36	Yellow	Epoxy	----
	Tubular Marker	FG 300-UR/36"	TM-13	36	Orange	Epoxy	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Tubular Markers (Traffic Guide Posts)

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

Product	Name	COA	Height (in)	Tubular Marker Color	Tubular Marker Bond	Ref. No.
<b>SAFHC 15</b>	<b>Safe-Hit Corporation, a Division of Energy Absorption Systems, Inc., A Trinity Industries, Inc. Company, 70 West Madison Street, Suite 2350, Chicago, IL 60602</b>					
	<a href="http://www.safehitlx.com/html/safehit/index.html">http://www.safehitlx.com/html/safehit/index.html</a>					
Tubular Marker	SH518SMTEAOS	TM-07	18	Orange	Epoxy	----
	<i>Use Master Builders Concessivive 1011 Epoxy 1 to 1 Mix</i>					
Tubular Marker	SH518SMTEAWS	TM-07	18	White	Epoxy	----
	<i>Use Master Builders Concessivive 1011 Epoxy 1 to 1 Mix</i>					
Tubular Marker	SH518SMTEAYS	TM-07	18	Yellow	Epoxy	----
	<i>Use Master Builders Concessivive 1011 Epoxy 1 to 1 Mix</i>					
Tubular Marker	SH524SMAEAOOS	TM-07	24	Orange	Butyl Pad	----
Tubular Marker	SH524SMAEAWS	TM-07	24	White	Butyl Pad	----
Tubular Marker	SH524SMAEAYS	TM-07	24	Yellow	Butyl Pad	----
Tubular Marker	SH536SMTEOOS	TM-07	36	Orange	Butyl Pad	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Tubular Markers (Traffic Guide Posts)

Last Revised: 7/9/2015

The listed devices have been self-certified for crashworthiness by the vendor and are deemed compliant with NCHRP-350. The devices may be sold for use in Pennsylvania.

Product	Name	COA	Height (in)	Tubular Marker Color	Tubular Marker Bond	Ref. No.	
UNISO 15	UniqueSource, 1007 North Front Street, Harrisburg, PA 17110 <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a> <i>Formerly PIBH- 15.</i>						
	Tubular Marker	PIBH-18TM	TM-11	18	White	Epoxy	----
	Tubular Marker	PIBH-18TM	TM-11	18	Yellow	Epoxy	----
	Tubular Marker	PIBH-18TM	TM-11	18	Orange	Epoxy	----
	Tubular Marker	PIBH-24TM	TM-11	24	White	Epoxy	----
	Tubular Marker	PIBH-24TM	TM-11	24	Yellow	Epoxy	----
	Tubular Marker	PIBH-24TM	TM-11	24	Orange	Epoxy	----
	Tubular Marker	PIBH-28TM	TM-11	28	White	Epoxy	----
	Tubular Marker	PIBH-28TM	TM-11	28	Yellow	Epoxy	----
	Tubular Marker	PIBH-28TM	TM-11	28	Orange	Epoxy	----
	Tubular Marker	PIBH-36TM	TM-11	36	White	Epoxy	----
	Tubular Marker	PIBH-36TM	TM-11	36	Yellow	Epoxy	----
	Tubular Marker	PIBH-36TM	TM-11	36	Blue	Epoxy	----
	Tubular Marker	PIBH-36TM	TM-11	36	Orange	Epoxy	----
	Tubular Marker	PIBH-48TM	TM-11	48	White	Epoxy	----
	Tubular Marker	PIBH-48TM	TM-11	48	Yellow	Epoxy	----
	Tubular Marker	PIBH-48TM	TM-11	48	Blue	Epoxy	----
	Tubular Marker	PIBH-48TM	TM-11	48	Orange	Epoxy	----
	Tubular Marker	PIBH-TMB	TM-11				----
	<i>Surface Mount Base, Pin Lock, Epoxy</i>						

### 901.2 Variable Speed Limit Signs

Last Revised: 7/9/2015

Product	Name	COA	Speed Display Mount	Speed Display Power	Ref. No.	
ASTIT 15	ASTI Transportation Systems, 18 Blevins Drive, New Castle, DE 19720 <a href="http://www.asti-trans.com/">http://www.asti-trans.com/</a>					
	Variable Speed Limit Sign	CST-1	VSL-1	Trailer	Solar Battery	----





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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Variable Speed Limit Signs

Last Revised: 7/9/2015

Product	Name	COA	Speed Display Mount	Speed Display Power	Ref. No.	
TRFCN 15	Trafcon Industries, Inc., 81 Texaco Road, Mechanicsburg, PA 17050 <a href="http://www.trafcon.com/homepage.php">http://www.trafcon.com/homepage.php</a>					
	Variable Speed Limit Sign	SST-2W	VSL-2	Trailer	Solar Battery	----

### 901.2 Vertical Panels

Last Revised: 7/9/2015

Product	Name	COA	Panel Type	Approved Crash Test Level	Ref. No.	
IMPRS 15	Impact Recovery Systems, Inc., 4955 Stout Drive, San Antonio, TX 78219 <a href="http://www.impactrecovery.com/">http://www.impactrecovery.com/</a>					
	Vertical Panel	320 F Fixed Base	VP-4	Single Panel	TL-2 (44 mph)	----
	Vertical Panel	320 F Portable Base	VP-4	Single Panel	TL-3 (62 mph)	----
PLAPC 15	Plasticade Products Corporation, 7700 North Austin Ave., Skokie, IL 60077 <a href="http://www.plasticade.com/">http://www.plasticade.com/</a>					
	Vertical Panel <i>May be used with light.</i>	Extended SafetyCade	VP-1	Single Panel	TL-3 (62 mph)	----
PLASS 15	Plastic Safety Systems, Inc., 2444 Baldwin Road, P.O. Box 20140, Cleveland, OH 44104 <a href="http://plasticsafety.com/">http://plasticsafety.com/</a>					
	Vertical Panel <i>May be used with light</i>	MVP	VP-5	Single Panel	TL-3 (62 mph)	----
PROTE 15	Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a>					
	Vertical Panel <i>May be used with light</i>	Big Foot	VP-2	Single Panel	TL-3 (62 mph)	----
	Vertical Panel <i>May be used with light</i>	Big Foot II	VP-2	Single Panel	TL-3 (62 mph)	----
SAFHC 15	Safe-Hit Corporation, a Division of Energy Absorption Systems, Inc., A Trinity Industries, Inc. Company, 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://www.safehitlx.com/html/safehit/index.html">http://www.safehitlx.com/html/safehit/index.html</a>					
	Vertical Panel <i>May be used with light</i>	RT 360 VP	VP-7	Single Panel	TL-3 (62 mph)	----



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Vertical Panels

Last Revised: 7/9/2015

Product	Name	COA	Panel Type	Approved Crash Test Level	Ref. No.
<b>THDTW 15</b>	<b>Three D Traffic Works, Inc., 430 North Varney Street, Burbank, CA 91502 <a href="http://www.trafficwks.com/">http://www.trafficwks.com/</a></b>				
Vertical Panel <i>May be used with light</i>	TD6000	VP-6	Single Panel	TL-3 (62 mph)	----
Vertical Panel	TD6500	VP-6	Single Panel		----
<b>TRFXD 15</b>	<b>TraFFix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a></b>				
Vertical Panel <i>May be used with light</i>	33000 Series	VP-3	Single Panel	TL-3 (62 mph)	----
Vertical Panel <i>May be used with light</i>	40000 Series	VP-3	Double Panel	TL-3 (62 mph)	----
<b>UNISO 15</b>	<b>UniqueSource, 1007 North Front Street, Harrisburg, PA 17110 <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a> Formerly PIBH- 15.</b>				
Vertical Panel	320 Series	VP-8	Single Panel	TL-2 (44 mph)	----
Vertical Panel	320 Series	VP-8	Single Panel	TL-3 (62 mph)	----

### 901.2 Warning Lights

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
<b>C&amp;CSG 15</b>	<b>C&amp;C Signal, LLC, 216 South Alma School Road, Mesa, AZ 85210</b>		
Warning Light: Type A, Yellow	BL1V.3W00	WL-13	----
Warning Light: Type A, Yellow	BL3V.3WXX	WL-13	----
Warning Light: Type A, Yellow	BLU36.3W	WL-13	----
Warning Light: Type A, Yellow	BLU36.3W00	WL-13	----
Warning Light: Type A, Yellow	SB.ACX	WL-13	----
Warning Light: Type B, White <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	BL3V.BL100	PWL-5	----
Warning Light: Type B, White <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	BLU6.BL100	PWL-5	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Warning Lights

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
<b>C&amp;CSG 15</b> C&C Signal, LLC, 216 South Alma School Road, Mesa, AZ 85210			
Warning Light: Type B, Yellow	BL3V.BL100	WL-13	----
Warning Light: Type B, Yellow	BLU6.BL1-DH	WL-13	----
Warning Light: Type B, Yellow	BLU6.BL100	WL-13	----
Warning Light: Type C, Yellow	BL1V.3W00	WL-13	----
Warning Light: Type C, Yellow	BL3V.3WXX	WL-13	----
Warning Light: Type C, Yellow	BLU36.3W	WL-13	----
Warning Light: Type C, Yellow	BLU36.3W00	WL-13	----
Warning Light: Type C, Yellow	SB.ACX	WL-13	----
<b>COLLT 15</b> Collt Manufacturing, Inc., 249 Hollis St., Holliston, MA 01746 <a href="http://www.collt.com/">http://www.collt.com/</a>			
Warning Light: Type A, Yellow	PS-120		----
Warning Light: Type A, Yellow	PS-600		----
Warning Light: Type A, Yellow	RS-120		1984-126
Warning Light: Type B, Yellow	12-B		1984-125
Warning Light: Type C, Yellow	PSB-600		1984-127
<b>DORMA 15</b> Dorman Smith Traffic Products, Rufford Road, Southport, England			
Warning Light: Type A, Yellow	TW1S-12V		1986-219
Warning Light: Type C, Yellow	TW2S		1985-206



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Warning Lights

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
EMPCCL 15	Elgin Molded Plastics, Inc. DBA Empco-Lite, 909 Grace St., Elgin, IL 60120 <a href="http://www.elginmolded.com/">http://www.elginmolded.com/</a>		
	Warning Light: Type A, Yellow	100	WL-2
	Warning Light: Type A, Yellow	100 LED	WL-2
	Warning Light: Type A, Yellow	2006	WL-2
	Warning Light: Type A, Yellow	400	WL-2
	Warning Light: Type A, Yellow	400 LED	WL-2
	Warning Light: Type A, Yellow	444 LED	WL-2
	Warning Light: Type A, Yellow	499L3	WL-2
	Warning Light: Type A, Yellow	Y2K	WL-2
	Warning Light: Type B, White	212-6LW	WL-2
	Warning Light: Type B, Yellow	1002	WL-2
	Warning Light: Type B, Yellow	1002S	WL-2
	Warning Light: Type B, Yellow	1102	WL-2
	Warning Light: Type B, Yellow	1102L	WL-2
	Warning Light: Type B, Yellow	212 LED	WL-2
	Warning Light: Type B, Yellow	212-3	WL-2
	Warning Light: Type B, Yellow	212-3DSL LED	WL-2
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Warning Light: Type B, Yellow	212-3LW	WL-2
	Warning Light: Type B, Yellow	212-3S	WL-2
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Warning Light: Type B, Yellow	212-6	WL-2
	Warning Light: Type B, Yellow	212-6DH	WL-2
	Warning Light: Type B, Yellow	213-3DH	WL-2
	Warning Light: Type C, Yellow	100	WL-2
	Warning Light: Type C, Yellow	100 LED	WL-2
	Warning Light: Type C, Yellow	2006	WL-2
	Warning Light: Type C, Yellow	400	WL-2
	Warning Light: Type C, Yellow	400 LED	WL-2



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Warning Lights

Last Revised: 7/9/2015

	Product	Name	COA	Ref. No.
EMPCCL 15	Elgin Molded Plastics, Inc. DBA Empco-Lite, 909 Grace St., Elgin, IL 60120 <a href="http://www.elginmolded.com/">http://www.elginmolded.com/</a>			
	Warning Light: Type C, Yellow	400 LED-DH	WL-2	1994-134
	Warning Light: Type C, Yellow	499L3	WL-2	----
	Warning Light: Type C, Yellow	Y2K	WL-2	2000-162Q
	Warning Light: Type D, Yellow	499L3D	WL-2	----
PENTC 15	Pennsylvania Turnpike Commission, P.O. Box 67676, Harrisburg, PA 17106 <a href="https://www.paturndpike.com/">https://www.paturndpike.com/</a>			
	Warning Light: Type B, Yellow	T-1	PWL-3	----
	<i>May be used only with W21-19 sign.</i>			
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Warning Lights

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
PROTE 15	Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a>		
Warning Light: Type A, Yellow	PF-4	WL-1	----
Warning Light: Type A, Yellow	PF3-P-12V-A	WL-1	----
Warning Light: Type A, Yellow	PF3P-12V-PC-S	WL-1	----
Warning Light: Type A, Yellow	PF4P-12V-PC-S		1983-069
Warning Light: Type A, Yellow	PF4P-LED-6V-FL		1996-103A
Warning Light: Type B, Yellow	200 LED		1995-075
Warning Light: Type B, Yellow	Active WZ Light (Act 229)	PWL-4	----
<i>May be used only with W21-19 sign.</i>			
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Warning Light: Type B, Yellow	HI-3		1987-313
Warning Light: Type B, Yellow	HI-3-120	WL-1	----
Warning Light: Type B, Yellow	HI-3-12V	WL-1	----
Warning Light: Type B, Yellow	HI-4		1983-143
Warning Light: Type C, Yellow	200-1-LED		1995-004
Warning Light: Type C, Yellow	PF-3-PC-SB2	WL-1	----
Warning Light: Type C, Yellow	PF-3P-6V-SBP-CS		1983-071
Warning Light: Type C, Yellow	PF-3P-6VC	WL-1	----
Warning Light: Type C, Yellow	PF-4-PC-SB	WL-1	----
Warning Light: Type C, Yellow	PF4P-LED-6V-FL		1996-103B



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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Warning Lights

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
<b>SERV 15</b> Service & Materials Company, Inc., 4835 East County Road 600, Sunman, IN 47041			
Warning Light: Type A, Yellow	301		1981-103
Warning Light: Type A, Yellow	501		1981-103
Warning Light: Type A, Yellow	NF5003		1983-139
Warning Light: Type A, Yellow	PAR7003		1983-140
Warning Light: Type B, Yellow	NF1714	WL-9	----
Warning Light: Type B, Yellow	NF1724	WL-9	----
Warning Light: Type B, Yellow	PAR1764	WL-9	----
Warning Light: Type B, Yellow	PAR1774	WL-9	----
Warning Light: Type C, Yellow	301		1981-103
Warning Light: Type C, Yellow	501		1981-103
Warning Light: Type C, Yellow	NF5001	WL-9	----
Warning Light: Type C, Yellow	PAR7001	WL-9	----
<b>TRFCN 15</b> Trafcon Industries, Inc., 81 Texaco Road, Mechanicsburg, PA 17050 <a href="http://www.trafcon.com/homepage.php">http://www.trafcon.com/homepage.php</a>			
Warning Light: Type B, Yellow	M90		1990-021
<b>WLITL 15</b> WLI Industries, Inc., 880 North Addison Road, Villa Park, IL 60181			
Warning Light: Type A, Yellow	Toughlite 2000	WL-11	----
Warning Light: Type C, Yellow	Toughlite 2000	WL-11	----
Warning Light: Type C, Yellow	Toughlite II	WL-11	----
<b>WORKA 15</b> Work Area Protection Corporation, 2500 Production Drive, PO Box 4087, St. Charles, IL 60174 <a href="http://workareaprotection.com/">http://workareaprotection.com/</a>			
Warning Light: Type B, Yellow	2524	WL-12	----
Warning Light: Type B, Yellow	2540	WL-12	----

### 901.2 Warning Lights, Sequential

Last Revised: 7/9/2015

Product	Name	COA	Ref. No.
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## Section 901: Maintenance and Protection of Traffic During Construction

### 901.2 Warning Lights, Sequential

Last Revised: 7/9/2015

	Product	Name	COA	Ref. No.
EMPCCL 15	Elgin Molded Plastics, Inc. DBA Empco-Lite, 909 Grace St., Elgin, IL 60120 <a href="http://www.elginmolded.com/">http://www.elginmolded.com/</a> Sequential Warning Lights	Empco-Lite Model 2006		2014-217Q
PIVAR 15	Pi Variables, Inc., 18023 Sky Park Circle, Suite E2, Irvine, CA 92651 <a href="http://pivvariables.com/">http://pivvariables.com/</a> Sequential Warning Lights	Pi-Lit Barricade Style		2014-011
		Sequential Warning Lights	Pi-Lit Beacon Style	2014-012
UNIDO 15	Unipart Dorman, 173 Main Street, Bath, Ontario, Canada K0H 1G0 <a href="http://www.unipartdorman.co.uk/">http://www.unipartdorman.co.uk/</a> Sequential Warning Lights	SynchroGUIDE model BAB6N/AW/P/H		2012-164Q





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## Section 910: Highway Lighting

### 910.3(d) Pole Foundations (Alternates): Drilled Concrete Caissons

Last Revised: 3/27/2015

Approved product alternative for Section 910.3(d).

Product	Name	Ref. No.
SHAIN 15	Shaner Industries, LLC, 930 Glenwood Avenue, Ambridge, PA 15003 <a href="http://www.shanerindustries.com/">http://www.shanerindustries.com/</a>	
Pole Foundation (Alternate): Drilled Concrete Caisson <i>The alternate foundation design for high mast lighting has been approved under CMS Special Provision S00(ID09102A) / ECMS Special Provision I-C09102-A.</i>		1995-291
Pole Foundation (Alternate): Drilled Concrete Caisson <i>The alternate foundation design for conventional lighting has been approved under CMS Special Provision S00(ID09101A) / ECMS Special Provision I-C09101-A.</i>		1999-034



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 930: Post Mounted Signs, Type A

### 930.2(c)2 Post Mounted Signs, Type A: Foundations (Alternatives)

Last Revised: 3/27/2015

Approved product alternatives for Section 930.2(c)1, Cast in Place.

	Product	Name	COA	Ref. No.
SHAIN 15	Shaner Industries, LLC, 930 Glenwood Avenue, Ambridge, PA 15003 <a href="http://www.shanerindustries.com/">http://www.shanerindustries.com/</a>			
	Steel Finned Pipe Foundation	Safe (Sign Foundation)		1995-290



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 937: Delineation Devices

### 937.2(a) Delineation Devices, Barrier Mount

Last Revised: 8/21/2015

For Type, see Publication 111, [TC-8600](#) and [TC-8700](#)

Product	Name	COA	Device Color	Mount Description	Mount Type	Ref. No.	
<b>3M-06 15</b> Plant	<b>3M Company, 4501 Highway 377 South, Brownwood, TX 76804</b> <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a> <b>4501 Highway 377 South Brownwood, TX 76804</b> <b>Traffic Control Mat's Div</b>						
	Linear Delineation System Series 340	LDS-341.5 (1.5 inch)	LDS-01			2013-150	
	<i>Installation with manual fasteners only.</i>						
	Linear Delineation System Series 340	LDS-344 (4 inch)	LDS-01			2013-150	
	<i>Installation with manual fasteners only.</i>						
	Linear Delineation System Series 340	LDS-346 (6 inch)	LDS-01			2013-150	
	<i>Installation with manual fasteners only.</i>						
<b>AMEMP 15</b>	<b>American Molded Plastic, Inc., P.O. Box 434, Newton Falls, OH 44444</b> <a href="http://americanmoldedplastic.com/">http://americanmoldedplastic.com/</a>						
	Barrier Mounted Delineator	Flex-D	BMD-12	White and Yellow	Single/Bidirectional	Type R	----
<b>ARTUK 15</b>	<b>Artuk Corporation, 1200 Abbott Dr., Elgin, IL 60123</b> <a href="http://artukinc.com/">http://artukinc.com/</a>						
	Barrier Mounted Delineator	FB-38	BMD-06	White and Yellow	Impact Resistant, Single Direction, Single/Double Sided	Type P	----
	Barrier Mounted Delineator	FT-1	BMD-06	White and Yellow	Impact Resistant, Single Direction, Single Sided	Type R	----
	Barrier Mounted Delineator	FT-2	BMD-06	White and Yellow	Impact Resistant, Bidirectional, Double Sided	Type R	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 937: Delineation Devices

### 937.2(a) Delineation Devices, Barrier Mount

Last Revised: 8/21/2015

For Type, see Publication 111, [TC-8600](#) and [TC-8700](#)

Product	Name	COA	Device Color	Mount Description	Mount Type	Ref. No.
<b>ASTR- 15</b>	<b>Astro Optics Corporation, 1901 N. Roselle Rd., Suite 800, Schamburg, IL 60195 <a href="http://www.astrooptics.com/">http://www.astrooptics.com/</a></b>					
	Barrier Mounted Delineator	FB331	BMD-08	White and Yellow	Impact Resistant, Single Direction	Type O ----
	Barrier Mounted Delineator	FB332	BMD-08	White and Yellow	Impact Resistant, Bidirectional	Type O ----
	Barrier Mounted Delineator	FB341	BMD-08	White and Yellow	Impact Resistant, Single Direction	Type O ----
	Barrier Mounted Delineator	FB342	BMD-08	White and Yellow	Impact Resistant, Bidirectional	Type O ----
<b>EASTM 15</b>	<b>Eastern Metal of Elmira, 1430 Sullivan Street, Elmira, NY 14901 <a href="http://www.usa-sign.com/">http://www.usa-sign.com/</a></b>					
	Barrier Mounted Delineator	660-IR-BMD	BMD-01			Type O ----
	Barrier Mounted Delineator	661-IR-BMD	BMD-01	White and Yellow	Impact Resistant, Single Direction	Type O ----
	Barrier Mounted Delineator	662-IR-BMD	BMD-01	White and Yellow	Impact Resistant, Bidirectional	Type O ----
<b>HALMC 15</b>	<b>Hall Manufacturing Corporation, 297 Margaret King Avenue, Ringwood, NJ 07456 <a href="http://www.hallmanufacturing.com/">http://www.hallmanufacturing.com/</a></b>					
	Barrier Mounted Delineator	Flexx 2020	BMD-09	White and Yellow	Impact Resistant, Single/Bidirectional	Type R ----
<b>PEXCO 15</b>	<b>Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a></b>					
	Barrier Mounted Delineator	PCBM T12	BMD-02	White and Yellow	Impact Resistant, Single/Bidirectional	Type R ----
	Barrier Mounted Delineator	PCBM-12	BMD-02	White and Yellow	Impact Resistant, Single/Bidirectional	Type O ----
	Barrier Mounted Delineator	PCBM-15	BMD-02	White and Yellow	Impact Resistant, Single/Bidirectional	Type P ----



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## Section 937: Delineation Devices

### 937.2(a) Delineation Devices, Barrier Mount

Last Revised: 8/21/2015

For Type, see Publication 111, [TC-8600](#) and [TC-8700](#)

Product	Name	COA	Device Color	Mount Description	Mount Type	Ref. No.
<b>SAFHC 15</b>	<b>Safe-Hit Corporation, a Division of Energy Absorption Systems, Inc., A Trinity Industries, Inc. Company, 70 West Madison Street, Suite 2350, Chicago, IL 60602</b> <a href="http://www.safehitx.com/html/safehit/index.html">http://www.safehitx.com/html/safehit/index.html</a>					
	Barrier Mounted Delineator	SH216RBM-AS, 16" Post	BMD-05	Gray	Impact Resistant, Single Direction	Type S ----
	Barrier Mounted Delineator	SH216RBM-RS, 16" Post	BMD-05	Red	Impact Resistant, Single Direction	Type S ----
	Barrier Mounted Delineator	SH216RBM-YA, 16" Post	BMD-05	Yellow	Impact Resistant, Single Direction	Type S ----
	Barrier Mounted Delineator	SH216RBMD-AA, 16" Post	BMD-05	Gray	Impact Resistant, Bidirectional	Type S ----
	Barrier Mounted Delineator	SH216RBMD-RA, 16" Post	BMD-05	Red	Impact Resistant, Bidirectional	Type S ----
	Barrier Mounted Delineator	SH216RBMD-WS, 16" Post	BMD-05	White	Impact Resistant, Bidirectional	Type S ----
	Barrier Mounted Delineator	SH216RBMD-YA, 16" Post	BMD-05	Yellow	Impact Resistant, Bidirectional	Type S ----
	Barrier Mounted Delineator	SH216RMB-WS, 16" Post	BMD-05	White	Impact Resistant, Single Direction	Type S ----
<b>UNISO 15</b>	<b>UniqueSource, 1007 North Front Street, Harrisburg, PA 17110</b> <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a> <b>Formerly PIBH- 15.</b>					
	Barrier Mounted Delineator	PIBH-16BMW, 16" Post	BMD-07	White	Impact Resistant, Single/Bidirectional	Type S ----
	Barrier Mounted Delineator	PIBH-16BMY, 16" Post	BMD-07	Yellow	Impact Resistant, Single/Bidirectional	Type S ----
	Barrier Mounted Delineator	PIBH-BMB BM Base	BMD-07		Pin Lock, Epoxy	----

### 937.2(b) Delineation Devices, Guiderail Mount

Last Revised: 8/21/2015

For Type, see Publication 111, [TC-8600](#) and [TC-8700](#)



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 937: Delineation Devices

### 937.2(b) Delineation Devices, Guiderail Mount

Last Revised: 8/21/2015

For Type, see Publication 111, [TC-8600](#) and [TC-8700](#)

Product	Name	COA	Device Color	Mount Description	Mount Type	Ref. No.
<b>3M-06 15 Plant</b>	3M Company, 4501 Highway 377 South, Brownwood, TX 76804 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a> 4501 Highway 377 South Brownwood, TX 76804 <i>Traffic Control Mat's Div</i>					
	Linear Delineation System Series 340	LDS-341.5 (1.5 inch)	LDS-01			2013-150
	<i>Installation with manual fasteners only.</i>					
	Linear Delineation System Series 340	LDS-344 (4 inch)	LDS-01			2013-150
	<i>Installation with manual fasteners only.</i>					
	Linear Delineation System Series 340	LDS-346 (6 inch)	LDS-01			2013-150
	<i>Installation with manual fasteners only.</i>					
<b>AMEMP 15</b>	American Molded Plastic, Inc., P.O. Box 434, Newton Falls, OH 44444 <a href="http://americanmoldedplastic.com/">http://americanmoldedplastic.com/</a>					
	Strong Post Guiderail Mounted Delineator	Flex-DS	BMD-12	White and Yellow	Single/Bidirectional	Type CS ----
	Weak Post Guiderail Mounted Delineator	Flex-DS	BMD-12	White and Yellow	Single/Bidirectional	Type CW ----
<b>ARTUK 15</b>	Artuk Corporation, 1200 Abbott Dr., Elgin, IL 60123 <a href="http://artukinc.com/">http://artukinc.com/</a>					
	Guiderail Mounted Delineator	313 Straight	BMD-06	White and Yellow	Impact Resistant, Single Direction, Single/Double Sided	Type A 2012-192Q
	Guiderail Mounted Delineator	717	BMD-06	White and Yellow	Impact Resistant, Single/Bidirectional	Type D ----
	Strong Post Guiderail Mounted Delineator	FR-1	BMD-06	White and Yellow	Impact Resistant, Single Direction	Type CS ----
	Strong Post Guiderail Mounted Delineator	FR-2	BMD-06	White and Yellow	Impact Resistant, Single Direction	Type CS ----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 937: Delineation Devices

### 937.2(b) Delineation Devices, Guiderail Mount

Last Revised: 8/21/2015

For Type, see Publication 111, [TC-8600](#) and [TC-8700](#)

Product	Name	COA	Device Color	Mount Description	Mount Type	Ref. No.
<b>CARST 15</b>	<b>Carsonite International Corporation, Carsonite Composites, 19845 US Highway 76, Newberry, SC 29108 <a href="http://www.carsonite.com/">http://www.carsonite.com/</a></b>					
Guiderail Mounted Delineator	CFGBK300 Bracket for Guiderail	BMD-10				----
Guiderail Mounted Delineator	CGR-302701	BMD-10	White	Impact Resistant, Single/Bidirectional	Type A	----
Guiderail Mounted Delineator	CGR-302702	BMD-10	Yellow	Impact Resistant, Single/Bidirectional	Type A	----
<b>EASTM 15</b>	<b>Eastern Metal of Elmira, 1430 Sullivan Street, Elmira, NY 14901 <a href="http://www.usa-sign.com/">http://www.usa-sign.com/</a></b>					
Guiderail Mounted Delineator	650-IR-GMD	BMD-01			Type D	----
Guiderail Mounted Delineator	651-IR-GMD	BMD-01	White and Yellow	Impact Resistant, Single Direction	Type D	----
Guiderail Mounted Delineator	652-IR-GMD	BMD-01	White and Yellow	Impact Resistant, Bidirectional	Type D	----
<b>HALMC 15</b>	<b>Hall Manufacturing Corporation, 297 Margaret King Avenue, Ringwood, NJ 07456 <a href="http://www.hallmanufacturing.com/">http://www.hallmanufacturing.com/</a></b>					
Strong Post Guiderail Mounted Delineator	Railrider	BMD-09	White and Yellow	Impact Resistant, Single/Bidirectional	Type CS	----
Weak Post Guiderail Mounted Delineator	Weak Post Railrider	BMD-09	White and Yellow	Impact Resistant, Single/Bidirectional	Type CW	----
<b>PEXCO 15</b>	<b>Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a></b>					
Guiderail Mounted Delineator	Butterfly Guiderail	BMD-02	White and Yellow	Impact Resistant, Single/Bidirectional	Type D	----
Guiderail Mounted Delineator	Straight Post Ref. -GMD	BMD-02	White and Yellow	Impact Resistant, Single/Bidirectional	Type A	----
Strong Post Guiderail Mounted Delineator	I-Flex 12	BMD-02	White and Yellow	Impact Resistant, Single/Bidirectional	Type CS	----
Weak Post Guiderail Mounted Delineator	I-Flex 12 WP	BMD-02	White and Yellow	Impact Resistant, Single/Bidirectional	Type CW	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 937: Delineation Devices

### 937.2(b) Delineation Devices, Guiderail Mount

Last Revised: 8/21/2015

For Type, see Publication 111, [TC-8600](#) and [TC-8700](#)

Product	Name	COA	Device Color	Mount Description	Mount Type	Ref. No.
<b>SAFHC 15</b>	<b>Safe-Hit Corporation, a Division of Energy Absorption Systems, Inc., A Trinity Industries, Inc. Company, 70 West Madison Street, Suite 2350, Chicago, IL 60602</b> <a href="http://www.safehitx.com/html/safehit/index.html">http://www.safehitx.com/html/safehit/index.html</a>					
	Guiderail Mounted Delineator	SH2276GRSD-YS1 2, 27" Post	BMD-05	Yellow	Impact Resistant, Bidirectional	Type B ----
	Guiderail Mounted Delineator	SH227GRS-WS12, 27" Post	BMD-05	White	Impact Resistant, Single Direction	Type B ----
	Guiderail Mounted Delineator	SH227GRS-YS12, 27" Post	BMD-05	Yellow	Impact Resistant, Single Direction	Type B ----
	Guiderail Mounted Delineator	SH227GRSD-WS12 , 27" Post	BMD-05	White	Impact Resistant, Bidirectional	Type B ----
	Guiderail Mounted Delineator	SH227GRSE-UL-LA , 27" Post	BMD-05	Blue	Impact Resistant, Single Direction	Type B ----
<b>UNISO 15</b>	<b>UniqueSource, 1007 North Front Street, Harrisburg, PA 17110</b> <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a> <i>Formerly PIBH- 15.</i>					
	Guiderail Mounted Delineator	PIBH-27GRW, 27" Post	BMD-07	White	Impact Resistant, Single/Bidirectional	Type B ----
	Guiderail Mounted Delineator	PIBH-27GRY, 27" Post	BMD-07	Yellow	Impact Resistant, Single/Bidirectional	Type B ----

### 937.2(c) Delineation Devices, Posts

Last Revised: 8/21/2015

The Devices listed in this section have been self-certified by the vendor as to their crashworthiness and are deemed compliant with NCHRP-350. These Devices are approved for use in PA.

Product	Name	COA	Post Type	Ref. No.
<b>CARST 15</b>	<b>Carsonite International Corporation, Carsonite Composites, 19845 US Highway 76, Newberry, SC 29108</b> <a href="http://www.carsonite.com/">http://www.carsonite.com/</a>			
	Delineator Post	27" Sentry Marker	DPOST-02	Guide Rail Post 2010-226Q
	Delineator Post	CDS-30	DPOST-02	Ground Mounted 1993-188
	Delineator Post	CFR-406601	DPOST-02	Ground Mounted -----
	Delineator Post	CFR-406602	DPOST-02	Ground Mounted -----
	Delineator Post	FlexGuard Post	DPOST-02	Ground Mounted 2010-051Q





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## Section 937: Delineation Devices

### 937.2(c) Delineation Devices, Posts

Last Revised: 8/21/2015

The Devices listed in this section have been self-certified by the vendor as to their crashworthiness and are deemed compliant with NCHRP-350. These Devices are approved for use in PA.

Product	Name	COA	Post Type	Ref. No.	
CARST 15	Carsonite International Corporation, Carsonite Composites, 19845 US Highway 76, Newberry, SC 29108 <a href="http://www.carsonite.com/">http://www.carsonite.com/</a>				
	Delineator Post	SDC-2036 / 36"	DPOST-02	Surface Mounted	-----
	Delineator Post	SDC-2048 / 48"	DPOST-02	Surface Mounted	-----
FLEXS 15	FlexStake, Inc., 2150 Andrea Lane, Fort Myers, FL 33912 <a href="http://www.flexstake.com/">http://www.flexstake.com/</a>				
	Delineator Post	HD-600 Series	DPOST-03	Ground Mounted	1992-072A-F
	Delineator Post	SM-700 Series	DPOST-03	Surface Mounted	1992-072A-F
FRANK 15	Franklin Industries, 645 Atlantic Ave., Franklin, PA 16323 <a href="http://franklinindustriesco.com/">http://franklinindustriesco.com/</a>				
	Delineator Post	PC-220	DPOST-06	Ground Mounted	2000-046Q
PEXCO 15	Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a>				
	Delineator Post	FG 300-UR	DPOST-05	Surface Mounted (Epoxy)	-----
	Delineator Post	FG-500 Series FG-95	DPOST-05	Ground Mounted	-----
	Delineator Post	FG-500 Series FG-96	DPOST-05	Ground Mounted	-----
SAFHC 15	Safe-Hit Corporation, a Division of Energy Absorption Systems, Inc., A Trinity Industries, Inc. Company, 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://www.safehitx.com/html/safehit/index.html">http://www.safehitx.com/html/safehit/index.html</a>				
	Delineator Post	SH-SMA-1-BL	DPOST-01	Surface Mounted Base (Pin Lock, Epoxy)	-----
	Delineator Post	SH236SMA-SP12	DPOST-01	Surface Mounted	-----
	Delineator Post	SH248GP3-SP-12	DPOST-01	Ground Mounted	-----
	Delineator Post	SH336SMA-SP12	DPOST-01	Surface Mounted	-----
	Delineator Post	SH348GP3-SP-12	DPOST-01	Ground Mounted	-----
	Delineator Post	SHA1-08OE-GL (8" Steel Anchor)	DPOST-01	Ground Mounted	-----
	Delineator Post	SHA3-18C-GL (18" Steel Anchor)	DPOST-01	Ground Mounted	-----



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## Section 937: Delineation Devices

### 937.2(c) Delineation Devices, Posts

Last Revised: 8/21/2015

The Devices listed in this section have been self-certified by the vendor as to their crashworthiness and are deemed compliant with NCHRP-350. These Devices are approved for use in PA.

Product	Name	COA	Post Type	Ref. No.
UNISO 15	UniqueSource, 1007 North Front Street, Harrisburg, PA 17110 <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a>			
	<i>Formerly PIBH- 15.</i>			
Delineator Post	PIBH-36G	DPOST-04	Surface Mounted	----
Delineator Post	PIBH-48G	DPOST-04	Ground Mounted	----
Delineator Post	PIBH-52G	DPOST-04	Ground Mounted	----
Delineator Post	PIBH-A18 (18" Steel Anchor)	DPOST-04	Ground Mounted	----
Delineator Post	PIBH-A8 (8" Steel Anchor)	DPOST-04	Surface Mounted	----
Delineator Post	PIBH-TMB	DPOST-04	Surface Mounted (Epoxy)	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 948: Steel Sign Structure

### 948 Steel Sign Structure

Last Revised: 3/29/2015

#### Preapproved Plants

These plants have been preapproved to fabricate overhead steel sign structures for PennDOT by the Structural Materials Engineer, Materials Testing Laboratory, Harrisburg, PA.

Product	Name	Plant City	Plant State	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	Boyerstown	PA	----
BRFAB 15	Brookfield Fabricating Corporation, P. O. Box 406, Brookfield, MO 64628 <a href="http://www.brookfieldfabricating.com/">http://www.brookfieldfabricating.com/</a> Steel Sign Structure Fabricator	Brookfield	MO	----
DURAB 15	Dura-Bond Steel Corporation, P.O. Box Drawer 518, Export, PA 15632 <a href="http://www.dura-bond.com/">http://www.dura-bond.com/</a> Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	Export	PA	----
GRENR 15	Greiner Industries, Inc., 1650 Steel Way, Mount Joy, PA 17552 <a href="http://greinerindustries.com/">http://greinerindustries.com/</a> Steel Sign Structure Fabricator	Mount Joy	PA	----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	Ellwood City	PA	----
HASSC 15	Harris Structural Steel Company, Inc., 1640 New Market Ave., South Plainfield, NJ 07080 <a href="http://www.harrissteelco.com/">http://www.harrissteelco.com/</a> Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	South Plainfield	NJ	----
HURFC 15	Hurttt Fabricating Corporation, 26707 E. Scott Road, Mareline, MO 64658 <a href="http://www.hurttfab.com/">http://www.hurttfab.com/</a> Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	Mareline	MO	----
L&MFM 15	L&M Fabrication & Machine, Inc., 6814 Chrisphalt Drive, P. O. Box 124, Bath, PA 18014 <a href="http://lmfab.publishpath.com/contact-us">http://lmfab.publishpath.com/contact-us</a> Steel Sign Structure Fabricator	Bath	PA	----
LEHUA 15	Lehigh Utility Associates, Inc., 1300 New Market Ave., South Plainfield, NJ 07080 Steel Sign Structure Fabricator	South Plainfield	NJ	----
MAICO 15	Maico Industries, Inc, 936 Highway 14, Ellsworth, KS 67439 <a href="http://www.maicoind.com/">http://www.maicoind.com/</a> Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	Ellsworth	KS	----



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## Section 948: Steel Sign Structure

### 948 Steel Sign Structure

Last Revised: 3/29/2015

#### Preapproved Plants

These plants have been preapproved to fabricate overhead steel sign structures for PennDOT by the Structural Materials Engineer, Materials Testing Laboratory, Harrisburg, PA.

	Product	Name	Plant City	Plant State	Ref. No.
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 Steel Sign Structure Fabricator	<a href="http://peletwelding.com/">http://peletwelding.com/</a>	Coatesville	PA	2014-068Q
RCCFI 15 Plant	RCC Fabricators, Inc., 2035 Route 206 South, Southampton, NJ 18434 2035 Route 206 South Southampton, NJ 18434 Steel Sign Structure Fabricator		Southampton	NJ	2015-079Q
SABIN 15	Sabre Industries/Tubular Structures - PA, 700 Second Street, Ellwood City, PA 16117 <i>Formerly Jet Industries (JETIN)</i> Steel Sign Structure Fabricator	<a href="http://www.sabretubularstructures.com/">http://www.sabretubularstructures.com/</a>	Ellwood City	PA	----
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	<a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a>	Millvale	PA	----
SOVGN 15 Plant	Sovereign Steel Manufacturing LLC, 2027 South 12th Street, Bldg. 507, Allentown, PA 18103 2027 South 12th Street Bldg. 507 Allentown, PA 18103 Steel Sign Structure Fabricator				-
SPECF 15	Specialty Fab, Inc., 11950 South Avenue, North Lima, OH 44452 Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	<a href="http://www.specialtyfab.com/">http://www.specialtyfab.com/</a>	North Lima	OH	----
STRUS 15	Structures, USA, 333 Peterson Drive, P. O. Box 2281, Elizabethtown, KY 42701 Steel Sign Structure Fabricator <i>Not approved to fabricate structures with T, Y or K pipe-to-pipe connections.</i>	<a href="http://www.structuresofusa.com/">http://www.structuresofusa.com/</a>	Elizabethtown	KY	----
UNIS 15	Universal Industrial Sales, 435 North 1200 West, Lindon, UT 84042 Steel Sign Structure Fabricator <i>Also approved for induction bending of monopipe.</i>	<a href="http://www.uisutah.com/uis2011/">http://www.uisutah.com/uis2011/</a>	Lindon	UT	----
UNIMC 15	Union Metal Corporation, 1432 Maple Avenue, N.E., Canton, OH 44705 Steel Sign Structure Fabricator	<a href="http://www.unionmetal.com/">http://www.unionmetal.com/</a>	Canton	OH	----



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## Section 948: Steel Sign Structure

### 948 Steel Sign Structure

Last Revised: 3/29/2015

Preapproved Plants

These plants have been preapproved to fabricate overhead steel sign structures for PennDOT by the Structural Materials Engineer, Materials Testing Laboratory, Harrisburg, PA.

Product	Name	Plant City	Plant State	Ref. No.
VAL-2 15	Valmont Specialty Structures/Plymouth, 1545 Pidco Drive, Plymouth, IN 46563 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Steel Sign Structure Fabricator	Plymouth	IN	----
WALPR 15	Walpar, Inc., 4200 Jefferson Ave., S.W., Birmingham, AL 35228 <a href="http://walpar.com/">http://walpar.com/</a> Steel Sign Structure Fabricator	Birmingham	AL	----

### 948.3(b) Steel Sign Structures, Foundations

Last Revised: 3/29/2015

Approved product alternatives for Section 948.3(b)

Product	Name	Ref. No.
SHAIN 15	Shaner Industries, LLC, 930 Glenwood Avenue, Ambridge, PA 15003 <a href="http://www.shanerindustries.com/">http://www.shanerindustries.com/</a> Steel Sign Structure Foundation <i>The alternate foundation design for cantilever and center mount sign structure poles has been approved under CMS Special Provision S00(ID09103B) and ECMS Special Provision I-C09103-B.</i>	1995-290



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 960: Hot Thermoplastic Pavement Markings

### 960.2 Hot Thermoplastic Pavement Markings

Last Revised: 8/27/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
<b>CROWN 15</b>	<b>Crown Technology, LLC, P.O. Box 789, Woodbury, GA 30293-0789 <a href="http://www.crownthermo.com/">http://www.crownthermo.com/</a></b>								
Hot Thermoplastic Pavement Marking	Ecotherm Select	HTPM-01	Yellow	Lighted and Unlighted Roadways	Bituminous	No	M247 Type 1	Lines Only	----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>								
Hot Thermoplastic Pavement Marking	Ecotherm Select	HTPM-01	Yellow	Lighted and Unlighted Roadways	Bituminous	No	M247 Type 4	Lines Only	----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>								
Hot Thermoplastic Pavement Marking	Tuffline Select	HTPM-01	White	Lighted and Unlighted Roadways	Bituminous	No	M247 Type 1	Lines Only	----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>								
Hot Thermoplastic Pavement Marking	Tuffline Select	HTPM-01	White	Lighted and Unlighted Roadways	Bituminous	No	M247 Type 4	Lines Only	----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>								
<b>DOBCO 15</b>	<b>Dobco, Business Unit of Sherwin-Williams, 1001 Nebula Road, Manchester, GA 31816 <a href="http://www.dobcogroup.com/">http://www.dobcogroup.com/</a></b>								
Hot Thermoplastic Pavement Marking	W1X0156	HTPM-05	White	Lighted and Unlighted Roadways	Bituminous and Concrete	Yes		Lines and Other Uses	----
Hot Thermoplastic Pavement Marking	Y1X0106	HTPM-05	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No		Lines and Other Uses	----
Hot Thermoplastic Pavement Marking	Y1X0126	HTPM-05	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No		Lines and Other Uses	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 960: Hot Thermoplastic Pavement Markings

### 960.2 Hot Thermoplastic Pavement Markings

Last Revised: 8/27/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
<b>ENN-1 15</b>	<b>Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a></b>								
Hot Thermoplastic Pavement Marking	885625	HTPM-06	White	Lighted and Unlighted Roadways	Bituminous	No	M247	Lines and Other Uses	----
Hot Thermoplastic Pavement Marking	885626	HTPM-06	Yellow	Lighted and Unlighted Roadways	Bituminous	No	M247	Lines and Other Uses	----
Hot Thermoplastic Pavement Marking	885636	HTPM-06	White	Lighted and Unlighted Roadways	Bituminous	No	M247 Type 1	Lines and Other Uses	----
Hot Thermoplastic Pavement Marking	885637	HTPM-06	White	Lighted and Unlighted Roadways	Bituminous	No	M247 Type 1	Lines and Other Uses	----
<b>SWAR1 15</b>	<b>Swarco Industries LLC, 270 Rutherford Lane, P.O. Box 89, Columbia, TN 38402 <a href="https://www.swarco.com/northamerica">https://www.swarco.com/northamerica</a></b>								
Hot Thermoplastic Pavement Marking	WHAASHTO	HTPM-03	White	Lighted and Unlighted Roadways	Bituminous	No	M247	Lines and Other Uses	----
Hot Thermoplastic Pavement Marking	WHAASHTO	HTPM-03	White	Lighted and Unlighted Roadways	Concrete	No	M247	Lines Only	----
Hot Thermoplastic Pavement Marking	YHAASHTO	HTPM-03	Yellow	Lighted and Unlighted Roadways	Bituminous	No	M247	Lines and Other Uses	----
Hot Thermoplastic Pavement Marking	YHAASHTO	HTPM-03	Yellow	Lighted and Unlighted Roadways	Concrete	No	M247	Lines Only	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 960: Hot Thermoplastic Pavement Markings

### 960.2 Hot Thermoplastic Decorative Crosswalks (Conditionally Approved)

Last Revised: 8/27/2015

Standard Drawing [TC-8600 and TC-8700](#)

Product	Name	COA	Ref. No.
TRACA 15	Traffic Calming, 110 Thompson Road, Suite 102A, Hiram, GA 30141 <a href="http://www.trafficcalmingusa.com/services.html">http://www.trafficcalmingusa.com/services.html</a>		
Alternate System - Hot Applied Synthetic Asphalt	Brinkprint 45 Decorative Crosswalks		2010-179
<i>For decorative crosswalks only. Marking Surface: Bituminous only. Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 961: Cold Plastic Pavement Markings or Legends

### 961.2 Cold Plastic Pavement Markings or Legends

Last Revised: 6/16/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
<b>3M-01 15</b>	<b>3M Traffic Control Materials Lab, 3M Center Building 235-3B-55, St. Paul, MN 55144 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a></b>								
Cold Plastic Pavement Marking or Legend	380-1	CPPM-11	White	Lighted and Unlighted Roadways	Bituminous and Concrete	Yes	Ceramic	Lines and Other Uses	----
Cold Plastic Pavement Marking or Legend	381-1	CPPM-11	Yellow	Lighted and Unlighted Roadways	Bituminous	Yes	Ceramic	Lines and Other Uses	----
Cold Plastic Pavement Marking or Legend	381-1	CPPM-11	Yellow	Lighted and Unlighted Roadways	Concrete	Yes	Ceramic	Lines Only	----
Cold Plastic Pavement Marking or Legend	A380	CPPM-11	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Lines and Other Uses	----
Cold Plastic Pavement Marking or Legend	A381	CPPM-11	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete			Lines and Other Uses	----
<b>BRITE 15</b>	<b>Brite-Line Technologies LLC, 10660 E. 51st Ave., Denver, CO 80239 <a href="http://brite-line.com/">http://brite-line.com/</a></b>								
Cold Plastic Pavement Marking or Legend	Series 1000	CPPM-10	White	Lighted and Unlighted Roadways	Bituminous and Concrete	Yes	Yes	Lines and Other Uses	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 961: Cold Plastic Pavement Markings or Legends

### 961.2 Cold Plastic Pavement Markings or Legends

Last Revised: 6/16/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
<b>SWAR1 15</b>	<b>Swarco Industries LLC, 270 Rutherford Lane, P.O. Box 89, Columbia, TN 38402 <a href="https://www.swarco.com/northamerica">https://www.swarco.com/northamerica</a></b>								
Cold Plastic Pavement Marking or Legend	Director 60	CPPM-06	White	Lighted Roadways Only	Bituminous	Yes	SP	Lines and Other Uses	----
<i>Restricted Use: surface applied on existing pavements only.</i>									
Cold Plastic Pavement Marking or Legend	Director 60	CPPM-06	White	Lighted and Unlighted Roadways	Concrete	Yes	SP	Lines and Other Uses	----
<i>Restricted Use: surface applied on existing pavements only.</i>									
Cold Plastic Pavement Marking or Legend	Director 60	CPPM-06	White	Lighted Roadways Only	Bituminous and Concrete	Yes	SP	Lines and Other Uses	----
<i>Restricted Use: surface applied on existing pavements only.</i>									



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 962: Waterborne Pavement Markings

### 962.2 Waterborne Pavement Markings

Last Revised: 7/9/2015

Product	Name	COA	Marking Color	Ref. No.
<b>ENN-1 15</b>	<b>Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a></b>			
Waterborne Pavement Marking	991022 <i>Certification Reduction to Level 2 per Publication 408 Section 106.03(b)3 as of 5/27/2010.</i>	WP-01	White	2007-074Q
Waterborne Pavement Marking	991028 <i>Certification Reduction to Level 2 per Publication 408 Section 106.03(b)3 as of 5/27/2010.</i>	WP-01	Yellow	2007-070Q
Waterborne Pavement Marking	991152 <i>Certification Reduction to Level 2 per Publication 408 Section 106.03(b)3 as of 5/27/2010.</i>	WP-01	White	2011-237Q
Waterborne Pavement Marking	991158 <i>Certification Reduction to Level 2 per Publication 408 Section 106.03(b)3 as of 5/27/2010.</i>	WP-01	Yellow	2011-231Q
<b>FRAPC 15</b>	<b>Franklin Paint Company, 259 Cottage Street, Franklin, MA 02038 <a href="http://franklinindustriesco.com/">http://franklinindustriesco.com/</a></b>			
Waterborne Pavement Marking	2014 <i>Use on concrete pavement only.</i>	WP-03	White	2012-197QA
Waterborne Pavement Marking	2015 <i>Use on concrete pavement only.</i>	WP-03	Yellow	2012-197QB
<b>SHER2 15</b>	<b>Sherwin Williams Company, 549 E. 115th St., Room 236, Chicago, IL 60628 <a href="http://www.sherwin-williams.com/">http://www.sherwin-williams.com/</a></b>			
Waterborne Pavement Marking	058-004 (TM2382)	WP-02	White	2007-014Q
Waterborne Pavement Marking	058-006 (TM2383)	WP-02	Yellow	2007-016Q
Waterborne Pavement Marking	2008138105	WP-02	White	2011-245Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 964: Epoxy Pavement Markings

### 964.2 Epoxy Pavement Markings

Last Revised: 6/17/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
<b>ACCST 15</b>	<b>Accent Stripe, 3275 Benzing Road, Orchard Park, NY 14127 <a href="http://www.accentstripe.com/">http://www.accentstripe.com/</a></b>								
Epoxy Pavement Marking	ACNT-W-A	EPM-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Lines Only	----
Epoxy Pavement Marking	ACNT-W-S	EPM-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Lines Only	----
Epoxy Pavement Marking	ACNT-W-T	EPM-01	White	Lighted and Unlighted Roadways	Bituminous			Lines Only	----
Epoxy Pavement Marking	ACNT-Y-S	EPM-01	Yellow	Lighted and Unlighted Roadways	Concrete			Lines Only	----
<b>BALTP 15</b>	<b>Baltimore Paint &amp; Chemical, Division of Sherwin Williams, 2325 Hollins Ferry Road, Baltimore, MD 21230</b>								
Epoxy Pavement Marking	TM8206 (TM8212)		White	Lighted and Unlighted Roadways	Bituminous	No	M247	Lines and Other Uses	----
Epoxy Pavement Marking	TM8209 (TM8215)		Yellow	Lighted and Unlighted Roadways	Bituminous	No	M247	Lines and Other Uses	----
Epoxy Pavement Marking	TM8209 (TM8215)		Yellow	Lighted and Unlighted Roadways	Concrete	No	M247	Lines Only	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 964: Epoxy Pavement Markings

### 964.2 Epoxy Pavement Markings

Last Revised: 6/17/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.	
ENN-1 15	Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>									
	Epoxy Pavement Marking	HPS-3	EPM-05	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----
	<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>									
	Epoxy Pavement Marking	HPS-3	EPM-05	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										
Epoxy Pavement Marking	HPS-4	EPM-05	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----	
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										
Epoxy Pavement Marking	HPS-4	EPM-05	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----	
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 964: Epoxy Pavement Markings

### 964.2 Epoxy Pavement Markings

Last Revised: 6/17/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.	
ENN-3 15	Ennis Traffic Safety Solutions, 4400 Vawter Avenue, Richmond, VA 23222 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>									
	Epoxy Pavement Marking	HPS-3	EPM-05	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----
	<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>									
	Epoxy Pavement Marking	HPS-3	EPM-05	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										
Epoxy Pavement Marking	HPS-4	EPM-05	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----	
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										
Epoxy Pavement Marking	HPS-4	EPM-05	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----	
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 964: Epoxy Pavement Markings

### 964.2 Epoxy Pavement Markings

Last Revised: 6/17/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.	
EPOPX 15	Epoplex, One Park Avenue, Maple Shade, NJ 08052 <a href="http://www.epoplex.com/">http://www.epoplex.com/</a>									
	Epoxy Pavement Marking	LS50	EPM-03	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----
	<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>									
	Epoxy Pavement Marking	LS50	EPM-03	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----
	<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>									
	Epoxy Pavement Marking	LS50	EPM-03	Black Line Mask	Lighted and Unlighted Roadways	Concrete	No	No	Lines Only	----
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>										
Epoxy Pavement Marking	LS65	EPM-03	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----	
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>										
Epoxy Pavement Marking	LS65	EPM-03	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	Vary	Lines and Other Uses	----	
<i>Beads vary by type and rate of application. Refer to Certificate of Approval.</i>										
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>										



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 964: Epoxy Pavement Markings

### 964.2 Epoxy Pavement Markings

Last Revised: 6/17/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
POLYC 15 Plant	Poly-Carb, Inc., 33095 Bainbridge Road, Cleveland, OH 44139 <a href="http://www.poly-carb.com/">http://www.poly-carb.com/</a> 125 GNS Court Roberta, GA								
Epoxy Pavement Marking	MARK55.3	EPM-04	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	M237 Type 1	Lines and Other Uses	----
Epoxy Pavement Marking	MARK55.3	EPM-04	White	Lighted and Unlighted Roadways	Bituminous and Concrete	No	M237 Type 4	Lines and Other Uses	----
Epoxy Pavement Marking	MARK55.3	EPM-04	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	M237 Type 1	Lines Only	----
Epoxy Pavement Marking	MARK55.3	EPM-04	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	No	M237 Type 4	Lines Only	----





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 965: Preformed Thermoplastic Pavement Markings

### 965.2 Preformed Thermoplastic Pavement Markings

Last Revised: 6/17/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color (Thermoplastic)	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
FLINT 15	Flint Trading, Inc., P. O. Box 160, Thomasville, NC 27361-0160 <a href="http://www.ennisflint.com/home.aspx">http://www.ennisflint.com/home.aspx</a>								
Preformed Thermoplastic Pavement Marking	9WPASTR96	PTPM-02	White	Lighted Roadways Only	Bituminous	No	PT260	Lines and Other Uses	----
Preformed Thermoplastic Pavement Marking	9WPASTR96	PTPM-02	White	Lighted and Unlighted Roadways	Concrete	No	PT260	Lines and Other Uses	----
Preformed Thermoplastic Pavement Marking	9WPASTR96	PTPM-02	Yellow	Lighted Roadways Only	Bituminous	No	PT260	Lines and Other Uses	----
Preformed Thermoplastic Pavement Marking	9WPASTR96	PTPM-02	Yellow	Lighted and Unlighted Roadways	Concrete	No	PT260	Lines Only	----
Preformed Thermoplastic Pavement Marking	LD981035		White	Lighted and Unlighted Roadways	Bituminous	No		Lines and Other Uses	----
	<i>Formerly ENN-1 15 product</i>								
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>								
Preformed Thermoplastic Pavement Marking	LD981036		White	Lighted and Unlighted Roadways	Bituminous	No		Lines and Other Uses	----
	<i>Formerly ENN-1 15 product</i>								
Preformed Thermoplastic Pavement Marking	Premark	PTPM-02	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Lines and Other Uses	----
Preformed Thermoplastic Pavement Marking	Premark	PTPM-02	Non-Reflective White	Lighted and Unlighted Roadways	Bituminous and Concrete			Decorative Crosswalk	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 965: Preformed Thermoplastic Pavement Markings

### 965.2 Preformed Thermoplastic Pavement Markings

Last Revised: 6/17/2015

Lines are defined as Center, Lane, and Edge Lines.

Other Uses are defined as Crosswalks, Stop Lines, Legends, and Crosshatching.

Product	Name	COA	Marking Color (Thermoplastic)	Illumination	Marking Surface	Primer?	Beads	Application Uses	Ref. No.
FLINT 15	Flint Trading, Inc., P. O. Box 160, Thomasville, NC 27361-0160 <a href="http://www.ennisflint.com/home.aspx">http://www.ennisflint.com/home.aspx</a>								
	Preformed Thermoplastic Pavement Marking	Premark	PTPM-02 Non-Reflective Brown	Lighted and Unlighted Roadways	Bituminous and Concrete			Decorative Crosswalk	----
	Preformed Thermoplastic Pavement Marking	Premark	PTPM-02 Non-Reflective Black	Lighted and Unlighted Roadways	Bituminous and Concrete			Decorative Crosswalk	----
	Preformed Thermoplastic Pavement Marking	Premark	PTPM-02 Non-Reflective Silver-Gray	Lighted and Unlighted Roadways	Bituminous and Concrete			Decorative Crosswalk	----
	Preformed Thermoplastic Pavement Marking	Premark	PTPM-02 Non-Reflective Maroon	Lighted and Unlighted Roadways	Bituminous and Concrete			Decorative Crosswalk	----
	Preformed Thermoplastic Pavement Marking	Premark	PTPM-02 Non-Reflective Tan	Lighted and Unlighted Roadways	Bituminous and Concrete			Decorative Crosswalk	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 966: Snowplowable Raised Pavement Markers

### 966.2 Snowplowable Raised Pavement Marker (RPM) Castings

Last Revised: 6/18/2015

Product	Name	COA	Direction	Ref. No.
<b>ENN-1 15</b>	Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>			
RPM Casting	101 LP		One Way / Two Way	----
RPM Casting	101 LPS, Bridge Deck Only		One Way / Two Way	----
<b>ENN-2 15</b>	Ennis Traffic Safety Solutions, 505 County Line Road, Thomasville, NC 27630 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>			
<b>Plant</b>	Niles, IL 60714			
RPM Casting	101 LP		One Way / Two Way	----
RPM Casting	101 LPS, Bridge Deck Only		One Way / Two Way	----
<b>RAYOL 15</b>	Rayolite/Hallen Products Ltd., Pac Tec Inc., 4500 N. Sam Houston Parkway West, Houston, TX 77086 <a href="http://www.rayolite.com/inicio.html">http://www.rayolite.com/inicio.html</a>			
<b>Plant</b>	Guadalupe NL			
RPM Casting	H-1010 LP (Narrow)	RPM-C2	One Way / Two Way	----
RPM Casting	H-960 LP	RPM-C2	One Way / Two Way	----

### 966.2 Snowplowable Raised Pavement Marker (RPM) Reflector Units

Last Revised: 6/18/2015

Product	Name	COA	Reflector Unit Color	Direction	Recessed?	Ref. No.
<b>3M-03 15</b>	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>					
RPM Reflector Unit	190	RPM-04	White / Blank	One Way	No	----
RPM Reflector Unit	190	RPM-04	Yellow / Blank	One Way	No	----
RPM Reflector Unit	190	RPM-04	White / Blank	Two Way	No	----
RPM Reflector Unit	190	RPM-04	Yellow / Blank	Two Way	No	----
RPM Reflector Unit	190	RPM-04	Red / White	Two Way	No	----
RPM Reflector Unit	190	RPM-04	Red / Yellow	Two Way	No	----
RPM Reflector Unit	190	RPM-04	Yellow / Yellow	Two Way	No	----
RPM Reflector Unit	194	RPM-04	White / Blank	One Way	No	----
RPM Reflector Unit	194	RPM-04	Yellow / Blank	One Way	No	----
RPM Reflector Unit	198	RPM-04	White / Blank	One Way	No	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 966: Snowplowable Raised Pavement Markers

### 966.2 Snowplowable Raised Pavement Marker (RPM) Reflector Units

Last Revised: 6/18/2015

Product	Name	COA	Reflector Unit Color	Direction	Recessed?	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>					
	RPM Reflector Unit	198	RPM-04	Yellow / Blank	One Way	No ----
	RPM Reflector Unit	198	RPM-04	White / Blank	Two Way	No ----
	RPM Reflector Unit	198	RPM-04	Yellow / Blank	Two Way	No ----
	RPM Reflector Unit	198	RPM-04	Red / White	Two Way	No ----
	RPM Reflector Unit	198	RPM-04	Red / Yellow	Two Way	No ----
	RPM Reflector Unit	198	RPM-04	Yellow / Yellow	Two Way	No ----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 966: Snowplowable Raised Pavement Markers

### 966.2 Snowplowable Raised Pavement Marker (RPM) Reflector Units

Last Revised: 6/18/2015

Product	Name	COA	Reflector Unit Color	Direction	Recessed?	Ref. No.
ENN-1 15	Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>					
	RPM Reflector Unit	88 Nonsnowplowable	RPM-01	White / Blank	No	----
	RPM Reflector Unit	88 Nonsnowplowable	RPM-01	Yellow / Blank	No	----
	RPM Reflector Unit	911 Nonsnowplowable	RPM-01	White / Blank	No	----
	RPM Reflector Unit	911 Nonsnowplowable	RPM-01	Yellow / Blank	No	----
	RPM Reflector Unit	940	RPM-01	White / Blank	One Way	No
	RPM Reflector Unit	940	RPM-01	Yellow / Blank	One Way	No
	RPM Reflector Unit	940	RPM-01	White / Blank	Two Way	No
	RPM Reflector Unit	940	RPM-01	Yellow / Blank	Two Way	No
	RPM Reflector Unit	940	RPM-01	Red / White	Two Way	No
	RPM Reflector Unit	940	RPM-01	Red / Yellow	Two Way	No
	RPM Reflector Unit	940	RPM-01	Yellow / Yellow	Two Way	No
	RPM Reflector Unit	941	RPM-01	White / Blank	One Way	No
	RPM Reflector Unit	941	RPM-01	Yellow / Blank	One Way	No
	RPM Reflector Unit	944	RPM-01	White / Blank	One Way	No
	RPM Reflector Unit	944	RPM-01	Yellow / Blank	One Way	No
	RPM Reflector Unit	944	RPM-01	White / Blank	Two Way	No
	RPM Reflector Unit	944	RPM-01	Yellow / Blank	Two Way	No
	RPM Reflector Unit	944	RPM-01	Red / White	Two Way	No
	RPM Reflector Unit	944	RPM-01	Red / Yellow	Two Way	No
	RPM Reflector Unit	944	RPM-01	Yellow / Yellow	Two Way	No
	RPM Reflector Unit	948	RPM-01	White / Blank	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Yellow / Blank	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Red / White	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Red / Yellow	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Yellow / Yellow	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	White / Blank	One Way	Yes
	RPM Reflector Unit	948	RPM-01	Yellow / Blank	One Way	Yes
	RPM Reflector Unit	C40	RPM-01	Yellow / Blank	Two Way	No



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 966: Snowplowable Raised Pavement Markers

### 966.2 Snowplowable Raised Pavement Marker (RPM) Reflector Units

Last Revised: 6/18/2015

Product	Name	COA	Reflector Unit Color	Direction	Recessed?	Ref. No.
ENN-1 15	Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>					
	RPM Reflector Unit	C40	RPM-01	White / Blank	Two Way	No ----
	RPM Reflector Unit	C40	RPM-01	Yellow / Yellow	Two Way	No ----
	RPM Reflector Unit	C40	RPM-01	Red / Yellow	Two Way	No ----
	RPM Reflector Unit	C40	RPM-01	Red / White	Two Way	No ----
	RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	White / Blank	Two Way	No ----
	RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	Yellow / Blank	Two Way	No ----
	RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	Yellow / Yellow	Two Way	No ----



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## Section 966: Snowplowable Raised Pavement Markers

### 966.2 Snowplowable Raised Pavement Marker (RPM) Reflector Units

Last Revised: 6/18/2015

Product	Name	COA	Reflector Unit Color	Direction	Recessed?	Ref. No.
ENN-2 15 Plant	Ennis Traffic Safety Solutions, 505 County Line Road, Thomasville, NC 27630 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a> Niles, IL 60714					
	RPM Reflector Unit	88 Nonsnowplowable	RPM-01	White / Blank	No	----
	RPM Reflector Unit	88 Nonsnowplowable	RPM-01	Yellow / Blank	No	----
	RPM Reflector Unit	911 Nonsnowplowable	RPM-01	White / Blank	No	----
	RPM Reflector Unit	911 Nonsnowplowable	RPM-01	Yellow / Blank	No	----
	RPM Reflector Unit	940	RPM-01	White / Blank	One Way	No
	RPM Reflector Unit	940	RPM-01	Yellow / Blank	One Way	No
	RPM Reflector Unit	940	RPM-01	White / Blank	Two Way	No
	RPM Reflector Unit	940	RPM-01	Yellow / Blank	Two Way	No
	RPM Reflector Unit	940	RPM-01	Red / White	Two Way	No
	RPM Reflector Unit	940	RPM-01	Red / Yellow	Two Way	No
	RPM Reflector Unit	940	RPM-01	Yellow / Yellow	Two Way	No
	RPM Reflector Unit	941	RPM-01	White / Blank	One Way	No
	RPM Reflector Unit	941	RPM-01	Yellow / Blank	One Way	No
	RPM Reflector Unit	944	RPM-01	White / Blank	One Way	No
	RPM Reflector Unit	944	RPM-01	Yellow / Blank	One Way	No
	RPM Reflector Unit	944	RPM-01	White / Blank	Two Way	No
	RPM Reflector Unit	944	RPM-01	Yellow / Blank	Two Way	No
	RPM Reflector Unit	944	RPM-01	Red / White	Two Way	No
	RPM Reflector Unit	944	RPM-01	Red / Yellow	Two Way	No
	RPM Reflector Unit	944	RPM-01	Yellow / Yellow	Two Way	No
	RPM Reflector Unit	948	RPM-01	White / Blank	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Yellow / Blank	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Red / White	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Red / Yellow	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	Yellow / Yellow	Two Way	Yes
	RPM Reflector Unit	948	RPM-01	White / Blank	One Way	Yes
	RPM Reflector Unit	948	RPM-01	Yellow / Blank	One Way	Yes



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## Section 966: Snowplowable Raised Pavement Markers

### 966.2 Snowplowable Raised Pavement Marker (RPM) Reflector Units

Last Revised: 6/18/2015

Product	Name	COA	Reflector Unit Color	Direction	Recessed?	Ref. No.
<b>ENN-2 15 Plant</b>	<b>Ennis Traffic Safety Solutions, 505 County Line Road, Thomasville, NC 27630 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a> Niles, IL 60714</b>					
RPM Reflector Unit	C40	RPM-01	Yellow / Blank	Two Way	No	----
RPM Reflector Unit	C40	RPM-01	White / Blank	Two Way	No	----
RPM Reflector Unit	C40	RPM-01	Yellow / Yellow	Two Way	No	----
RPM Reflector Unit	C40	RPM-01	Red / Yellow	Two Way	No	----
RPM Reflector Unit	C40	RPM-01	Red / White	Two Way	No	----
RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	White / Blank	Two Way	No	----
RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	Yellow / Blank	Two Way	No	----
RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	Yellow / Yellow	Two Way	No	----
RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	Red / White	Two Way	No	2014-249QA
RPM Reflector Unit	C80 Nonsnowplowable	RPM-01	Red / Yellow	Two Way	No	2014-249QB
<b>PEXCO 15</b>	<b>Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a></b>					
RPM Reflector Unit	Halftrack Nonsnowplowable	RPM-02	White / Blank	One Way / Two Way	No	----
RPM Reflector Unit	Halftrack Nonsnowplowable	RPM-02	Yellow / Blank	One Way / Two Way	No	----
RPM Reflector Unit	Halftrack Nonsnowplowable	RPM-02	Yellow / Yellow	One Way / Two Way	No	----
RPM Reflector Unit	RPM Nonsnowplowable	RPM-02	White / Blank	One Way / Two Way	No	----
RPM Reflector Unit	RPM Nonsnowplowable	RPM-02	Yellow / Blank	One Way / Two Way	No	----
RPM Reflector Unit	RPM Nonsnowplowable	RPM-02	Yellow / Yellow	One Way / Two Way	No	----
RPM Reflector Unit	TOM Nonsnowplowable	RPM-02	White / Blank	One Way / Two Way	No	----
RPM Reflector Unit	TOM Nonsnowplowable	RPM-02	Yellow / Blank	One Way / Two Way	No	----
RPM Reflector Unit	TOM Nonsnowplowable	RPM-02	Yellow / Yellow	One Way / Two Way	No	----
RPM Reflector Unit	TRPM Nonsnowplowable	RPM-02	White / Blank	One Way / Two Way	No	----
RPM Reflector Unit	TRPM Nonsnowplowable	RPM-02	Yellow / Blank	One Way / Two Way	No	----
RPM Reflector Unit	TRPM Nonsnowplowable	RPM-02	Yellow / Yellow	One Way / Two Way	No	----





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 966: Snowplowable Raised Pavement Markers

### 966.2 Snowplowable Raised Pavement Marker (RPM) Reflector Units

Last Revised: 6/18/2015

Product	Name	COA	Reflector Unit Color	Direction	Recessed?	Ref. No.
<b>RAYOL 15 Plant</b>	Rayolite/Hallen Products Ltd., Pac Tec Inc., 4500 N. Sam Houston Parkway West, Houston, TX 77086 <a href="http://www.rayolite.com/inicio.html">http://www.rayolite.com/inicio.html</a>					
	<b>Guadalupe NL</b>					
	RPM Reflector Unit	2002 B	RPM-05	White / White	One Way	Yes ----
	RPM Reflector Unit	2002 C	RPM-05	Red / White	Two Way	Yes ----
	RPM Reflector Unit	2002 D	RPM-05	Yellow / Yellow	One Way	Yes ----
	RPM Reflector Unit	2002 G	RPM-05	White / Blank	One Way	Yes ----
	RPM Reflector Unit	2002 H	RPM-05	Yellow / Blank	One Way	Yes ----
	RPM Reflector Unit	2004	RPM-05	White / Blank	One Way	Yes ----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
	RPM Reflector Unit	2004	RPM-05	Red / White	Two Way	Yes ----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
	RPM Reflector Unit	2004	RPM-05	Yellow / Blank	One Way	Yes ----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
	RPM Reflector Unit	2004	RPM-05	Red / Yellow	Two Way	Yes ----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
	RPM Reflector Unit	2004	RPM-05	Yellow / Yellow	Two Way	Yes ----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
<b>VEGA- 15</b>	<b>Vega Molded Products, Inc., 122 Industrial Drive, Gilberts, IL 60136 <a href="http://vegamoldedproducts.com/">http://vegamoldedproducts.com/</a></b>					
	RPM Reflector Unit	CM Nonsnowplowable	RPM-03	White / Blank	One Way / Two Way	No ----
	RPM Reflector Unit	CM Nonsnowplowable	RPM-03	Yellow / Blank	One Way / Two Way	No ----
	RPM Reflector Unit	CM Nonsnowplowable	RPM-03	Yellow / Yellow	One Way / Two Way	No ----
	RPM Reflector Unit	TPM Nonsnowplowable	RPM-03	White / Blank	One Way / Two Way	No ----
	RPM Reflector Unit	TPM Nonsnowplowable	RPM-03	Yellow / Blank	One Way / Two Way	No ----
	RPM Reflector Unit	TPM Nonsnowplowable	RPM-03	Yellow / Yellow	One Way / Two Way	No ----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 1001: Cement Concrete Structures

### 1001.2(h)2 Metal Bridge Deck Forms

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

ASTM A924/A924M and ASTM A653/A653M

Product	Name	Grade	Ref. No.
<b>BRIDS 15</b>	<b>Bridge Deck Solutions, LLC, 298 Cherry Hill Drive, Latrobe, PA 15650</b>		
	Metal Bridge Deck Form	Structural Steel (SS) 50, Class 2	2010-207Q
<b>CONS1 15</b>	<b>Consolidated Systems, Inc., P. O. Box 1756, Columbia, SC 29202 <a href="http://csteel.com/">http://csteel.com/</a></b>		
	Metal Bridge Deck Form	Structural Steel (SS) 33	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 37	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 40	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 50, Class 1	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 80	1989-125
<b>CONS2 15</b>	<b>Consolidated Systems, Inc., 4900 Hungerford Rd., Memphis., TN 38118 <a href="http://csteel.com/">http://csteel.com/</a></b>		
	Metal Bridge Deck Form	Structural Steel (SS) 33	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 37	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 40	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 50, Class 1	1989-125
	Metal Bridge Deck Form	Structural Steel (SS) 80	1989-125
<b>D-MAC 15</b>	<b>D-Mac Industries Inc., 1880 D-mac Drive, Alpharetta, GA 30004 <a href="http://www.d-macindustries.com/index.html">http://www.d-macindustries.com/index.html</a></b>		
	Metal Bridge Deck Form	Structural Steel (SS) 40	1989-265
	Metal Bridge Deck Form	Structural Steel (SS) 50, Class 1	2013-035QAB
	Metal Bridge Deck Form	Structural Steel (SS) 80	2013-035QAB
<b>EPIC- 15</b>	<b>Epic Metals Corporation, 11 Talbot Ave., Rankin, PA 15104 <a href="http://www.epicmetals.com/">http://www.epicmetals.com/</a></b>		
	Metal Bridge Deck Form	Structural Steel (SS) 40	1992-243
	Metal Bridge Deck Form	Structural Steel (SS) 50, Class 1	1992-243



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 1001: Cement Concrete Structures

### 1001.2(h)2 Metal Bridge Deck Forms

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

ASTM A924/A924M and ASTM A653/A653M

Product	Name	Grade	Ref. No.
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Metal Bridge Deck Form	Structural Steel (SS) 40	----
	Metal Bridge Deck Form Classes 1 and 3 only	Structural Steel (SS) 80	2014-204QB
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Metal Bridge Deck Form	Structural Steel (SS) 40	2014-204QA
	Metal Bridge Deck Form Classes 1 and 3 only	Structural Steel (SS) 80	2014-204QB
HALFE 15	Halferty Metals Company, 294 Bergman Road, Derry, PA 15627 Metal Bridge Deck Form	Structural Steel (SS) 40	2012-212QAB
	Metal Bridge Deck Form	Structural Steel (SS) 80	2012-212QAB
SIPDE 15	SIP Inc. of Delaware, 2204 Chestnut Street, P.O. Box 4347, Gadsden, AL 35904 <a href="http://wmsi.com/subsidiaries/sip/">http://wmsi.com/subsidiaries/sip/</a> Metal Bridge Deck Form	Structural Steel (SS) 33	2012-152Q
	Metal Bridge Deck Form	Structural Steel (SS) 37	2012-152Q
	Metal Bridge Deck Form	Structural Steel (SS) 40	2012-152Q
	Metal Bridge Deck Form	Structural Steel (SS) 50, Class 1	2012-152Q
	Metal Bridge Deck Form	Structural Steel (SS) 80	2012-152Q
UNSDK 15	United Steel Deck, 14 Harmish Road, South Plainfield, NJ 07080 <a href="http://www.unitedsteel.com/">http://www.unitedsteel.com/</a> Metal Bridge Deck Form	Structural Steel (SS) 40	1985-024
	Metal Bridge Deck Form	Structural Steel (SS) 50, Class 1	1995-076
WHCC0 15	Wheeling Corrugating Company, Division Wheeling-Pittsburgh Steel, 1134 Market St., Wheeling, WV 26003 Metal Bridge Deck Form		----
WHCC1 15 Plant	Wheeling Corrugating Company, Division Wheeling-Pittsburgh Steel, 1134 Market St., Wheeling, WV 26003 Beech Bottom, WV Metal Bridge Deck Form		----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1001: Cement Concrete Structures

### 1001.2(h)2 Metal Bridge Deck Forms

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

ASTM A924/A924M and ASTM A653/A653M

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Product	Name	Grade	Ref. No.
WHCC2 15 Plant	Wheeling Corrugating Company, Division Wheeling-Pittsburgh Steel, 1134 Market St., Wheeling, WV 26003 Emporia, VA 23847 Metal Bridge Deck Form		-----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section 1002: Reinforcement Bars

### 1002.2(c) Mechanical Splice System

Last Revised: 7/9/2015

NOTE: Assemble mechanical splices per manufacturer's recommended procedure.

Assemble three splices for each size reinforcing bar plus an unassembled set of each size used. Submit to the LTS for testing to verify the procedure.

Product	Name	Bar Sizes	Ref. No.	
<b>BARSP 15</b>	<b>Barsplice Products, Inc., 4900 Webster Street, Dayton, OH 45430 <a href="http://www.barsplice.com/">http://www.barsplice.com/</a></b>			
	Mechanical Splice System	BPI Barsplicer System	4 - 11	2000-204Q
	Mechanical Splice System	BPI-Grip "BarGrip" System	4 - 18	1996-198
	Mechanical Splice System	Taper Threaded Grip Twist	4 - 18	2006-042Q
	Mechanical Splice System	ZAP Screwlok Rebar Coupler System	4 - 11	1996-255
	Mechanical Splice System	ZAP Screwlok Type 2 Series	18	2014-269Q
<b>DAYT0 15</b>	<b>Dayton Superior Corporation, 1125 Byers Road, Miamisburg, OH 45342-5765 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a></b>			
	Mechanical Splice System	Barlock (L) Series Coupler	3 - 14	1992-351
	Mechanical Splice System	DB/DI Splice Connector (D101A, D101)	4 - 18	1989-288
	Mechanical Splice System	US/MC-SAE Rebar Splice (D110, D111, D112)	4 - 18	1994-219
<b>DAYT2 15</b>	<b>Dayton Superior Corporation, 1125 Byers Road, Miamisburg, OH 45342 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a></b>			
<b>Plant</b>	<b>Bellingham, WA</b>			
	Mechanical Splice System	Barlock (L) Series Coupler	3 - 14	1992-351
	Mechanical Splice System	DB/DI Splice Connector (D101A, D101)	4 - 18	1989-288
	Mechanical Splice System	US/MC-SAE Rebar Splice (D110, D111, D112)	4 - 18	1994-219
<b>DAYT3 15</b>	<b>Dayton Superior Corporation, 1125 Byers Road, Miamisburg, OH 45342 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a></b>			
<b>Plant</b>	<b>Tremont, PA 17981</b>			
	Mechanical Splice System	Barlock (L) Series Coupler	3 - 14	1992-351
	Mechanical Splice System	DB/DI Splice Connector (D101A, D101)	4 - 18	1989-288
	Mechanical Splice System	US/MC-SAE Rebar Splice (D110, D111, D112)	4 - 18	1994-219



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1002: Reinforcement Bars

### 1002.2(c) Mechanical Splice System

Last Revised: 7/9/2015

NOTE: Assemble mechanical splices per manufacturer's recommended procedure.

Assemble three splices for each size reinforcing bar plus an unassembled set of each size used. Submit to the LTS for testing to verify the procedure.

Product	Name	Bar Sizes	Ref. No.
ERIC- 15	Erico, Inc., 34600 Solon Road, Solon, OH 44139 <a href="https://www.erico.com/selectCountry.asp?returnURL=/default.asp">https://www.erico.com/selectCountry.asp?returnURL=/default.asp</a> Mechanical Splice System	Lenton Form Saver (SA) Coupler	4 - 11 2013-078Q
	Mechanical Splice System	Lenton Standard (A2) Coupler	4 - 18 1996-118
MDSP2 15	Meadow Burke Products, 565 Oak Ridge Road, Humboldt Industrial Park, Hazleton, PA 18202 <a href="http://meadowburke.com/">http://meadowburke.com/</a> Mechanical Splice System	Standard-Lok Coupler Mech. Splice System	4 - 18 2006-009Q
	<i>RC-53 Smooth and RC-54 Smooth Flanged Per letter dated September 19, 2014: Meadow Burke has elected to suspend shipments to PennDOT temporarily.</i>		
SSNA- 15 Plant	Splice Sleeve North America, 3877 West Six Mile Rd, Ste 106, Livonia, MI 48152 <a href="http://www.splicesleeve.com/">http://www.splicesleeve.com/</a> Easton, PA Mechanical Splice System	NMB Splice Sleeve with SS Mortar (Grout)	5 - 18 1995-102

### 1002.3(d)2 Reinforcement Bar Support Systems

Last Revised: 7/9/2015

Product	Name	Size	Ref. No.
AZTEC 15	Aztec Concrete Accessories, Inc., 14760 Santa Ana Ave., Fontana, CA 92337 Rebar Support Chair	Aztec E Z Chair	2", 2-1/2", 3", 4" and 5" Molded Plastic 1997-064
	Rebar Support Chair	Aztec E Z Lok Slab Bolster	2"and 2-1/2", Molded Plastic 1997-063



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1002: Reinforcement Bars

### 1002.3(d)2 Reinforcement Bar Support Systems

Last Revised: 7/9/2015

Product	Name	Size	Ref. No.	
<b>BIPCO 15</b>	<b>Bip Company, LLC, 901 Ne Gilsan Street, Portland, OR 97232</b> <a href="http://bipclipcompany.com/">http://bipclipcompany.com/</a>			
	Rebar Support Chair	BIP Chair (Black Resin) with Sandplate Base	#4 and #5 Rebar with 2" Cover	2013-007QA
	Rebar Support Chair	BIP Chair (Black Resin) with Sandplate Base	#6 Rebar with 2.5" Cover	2013-007QA
	Rebar Support Chair	BIP Chair (Black Resin) with Sandplate Base	#4 and #5 Rebar with 1.5", 2.5" and 3" Cover	2013-160Q
	Rebar Support Chair	BIP Chair (Black Resin) with Sandplate Base	#6 Rebar with 1.5", 3" and 4" Cover	2013-160Q
<b>DAYT0 15</b>	<b>Dayton Superior Corporation, 1125 Byers Road, Miamisburg, OH 45342-5765</b> <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>			
	Rebar Support Chair	Epoxy Coated		1985-013
	Rebar Support Chair	HCM Galvanized with Plastic Tips (High Chairs for Metal Decking)		1987-374A
	Rebar Support Chair	SBU Galvanized (Slab Bolster Upper)		1987-374B
<b>GENTC 15</b>	<b>General Technologies, Inc., 13022 Trinity Drive, P.O. Box 1503, Stafford, TX 77477</b> <a href="http://www.gti-usa.net/">http://www.gti-usa.net/</a>			
	Rebar Support Chair	GTI Bolster Upper, Series 260 (Gray)		2009-140
	<i>Top layer double mat support.</i>			
	Rebar Support Chair	GTI Bolster, Series 209	1", 2", 3", 4"	2009-039QB
	Rebar Support Chair	GTI Bolster, Series 215	1", 2", 3", 4"	2009-039QB
	Rebar Support Chair	GTI Composite Bar Chair, Series 210	1", 2", 3", 4", 5", 6"	2009-039QE
	Rebar Support Chair	GTI Composite High Chair, Series 208	7", 8", 9", 10"	2009-039QD
Rebar Support Chair	GTI Composite PC Chair, Series 216	1", 2", 3", 4", 5", 6", 7"	2009-039QF	
Rebar Support Chair	GTI Extended High Chair, Series 211	11", 12", 13", 14", 15", 16", 17"	2009-039QC	



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## Section 1002: Reinforcement Bars

### 1002.3(d)2 Reinforcement Bar Support Systems

Last Revised: 7/9/2015

Product	Name	Size	Ref. No.	
<b>HHHUL 15</b> H & H Hulls, Inc., 35 Industrial Tract, Hudson, NY 12534	Rebar Support Chair	Q3 Void Chair	1"	2003-186Q
	<i>For use in box beam tops only.</i>			
<b>MDSP0 15</b> Meadow Burke Products,, 565 Oak Ridge Road, Humboldt Industrial Park, Hazelton, PA 18201 <a href="http://meadowburke.com/">http://meadowburke.com/</a>	Rebar Support Chair	Beam Bolster (Support Chair)		1992-355
	Rebar Support Chair	Epoxy Coated		2000-056Q
	Rebar Support Chair	Galvanized		2000-058Q
<b>MDSP1 15</b> Meadow Burke Products, 565 Oak Ridge Road, Humboldt Industrial Park, Hazelton, PA 18201 <a href="http://meadowburke.com/">http://meadowburke.com/</a>	Rebar Support Chair	Beam Bolster (Support Chair)		1992-355
	Rebar Support Chair	Epoxy Coated		2000-056Q
	Rebar Support Chair	Galvanized		2000-058Q
<b>VIMC- 15</b> Vimco, Inc., 300 Hansen Access Road, King of Prussia, PA 19406 <a href="http://vimcoinc.com/">http://vimcoinc.com/</a>	Rebar Support Chair	Epoxy Coated		2008-135Q
	Rebar Support Chair	Galvanized Coated		1984-006
	Rebar Support Chair	Plastic and Plastic Tipped		1984-006
	Rebar Support Chair	Stainless Steel		----





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## Section 1005: Piles

### 1005.2(b) Cast-In-Place Concrete Piles (Steel Shells)

Last Revised: 7/9/2015

Manufacturers of cast-in-place piles (steel shells) must conform to Department Specifications, Publication 408, Section 1005.2(b).

### 1005.2(c) Steel H-Piles

Last Revised: 7/9/2015

The Companies listed in this Section are the owners of the designs/patterns only.

	Product	Name	Ref. No.
ASSPF 15	Associated Pile & Fitting Corporation, 8 WoodHollow Rd., Suite 102, Parsippany, NJ 07054-2829 <a href="http://www.associatedpile.com/">http://www.associatedpile.com/</a>		
	Steel H-Pile Tip	Hard Bite H-Pile Tip HP-77600-B	1994-286
	Steel H-Pile Tip	Hard Bite H-Pile Tip HP-77750-B	1994-286
	Steel H-Pile Tip	PAR-T Series H-Pile Points	1994-042
CONSC 15	Construction Supply Company, P. O. Box 1682, Tualatin, OR 97062		
	Steel H-Pile Tip	HT 3300 Series H-Pile Points	2004-053Q
VERST 15	Versa-Steel, Inc., 1618 NE 1st Avenue, Portland, OR 97219 <a href="http://www.versasteel.com/">http://www.versasteel.com/</a>		
	Steel H-Pile Tip	VS-300 N Series H-Pile Points	2002-063Q



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## Section 1012: Pedestrian Railing

### 1012.2 Aluminum Pedestrian Railing

Last Revised: 7/9/2015

	Product	Name	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 Aluminum Pedestrian Railing Fabricator	<a href="http://www.apexfab.com/">http://www.apexfab.com/</a>	2014-195QB
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 Aluminum Pedestrian Railing Fabricator	<a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a>	1991-009B
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 Aluminum Pedestrian Railing Fabricator	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 Aluminum Pedestrian Railing Fabricator	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 Aluminum Pedestrian Railing Fabricator	<a href="http://hallindustries.com/">http://hallindustries.com/</a>	2002-178Q
HALL2 15	Hall Industries, Inc., 514 Mecklem Lane, Ellwood City, PA 16117 Aluminum Pedestrian Railing Fabricator	<a href="http://hallindustries.com/">http://hallindustries.com/</a> Assembly Only	2002-178Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 Aluminum Pedestrian Railing Fabricator	<a href="http://peletwelding.com/">http://peletwelding.com/</a>	2011-101QA



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## Section 1013: Aluminum Bridge Railing

### 1013.2 Aluminum Bridge Railing

Last Revised: 7/9/2015

	Product	Name	Ref. No.
ALUMS 15	Aluminum Shapes, Inc., 9000 River Rd., Delair, NJ 46218 <a href="http://www.shapesllc.com/">http://www.shapesllc.com/</a> Aluminum Bridge Railing Fabricator		----
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> Aluminum Bridge Railing Fabricator		2014-195QB
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Aluminum Bridge Railing Fabricator		----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Aluminum Bridge Railing Fabricator		----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> Aluminum Bridge Railing Fabricator		2002-178Q
MAGND 15	Magnode Products, Inc., 400 East State St., Trenton, OH 45067 <a href="http://magnode.com/">http://magnode.com/</a> Aluminum Bridge Railing Fabricator		----
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a> Aluminum Bridge Railing Fabricator		2011-101QB
RELCC 15	Reliable Casting Corporation, 3530 Spring Grove Avenue, Cincinnati, OH 45223 <a href="http://reliablecastings.com/">http://reliablecastings.com/</a> Aluminum Bridge Railing Fabricator		----
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 Aluminum Bridge Railing Fabricator		2004-096Q



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## Section 1014: Steel Bridge Railing

### 1014.2 Steel Bridge Railing

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
ADVSC 15	Advantage Steel & Construction, LLC, 2300 South Noah Drive, Saxonburg, PA 16056 Steel Bridge Railing Fabricator	<a href="http://www.advsteel.com/">http://www.advsteel.com/</a>	2015-023Q
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 Steel Bridge Railing Fabricator	<a href="http://www.apexfab.com/">http://www.apexfab.com/</a>	2014-195QC
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 Steel Bridge Railing Fabricator	<a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a>	2011-160Q
CAPST 15	Capital Steel Service, LLC, 82 Stokes Avenue, Trenton, NJ 08638 Steel Bridge Railing Fabricator	<a href="http://www.capitalsteel.org/">http://www.capitalsteel.org/</a>	2013-102Q
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <i>Formerly Foster Precise Structural Products (FOSPR).</i> Steel Bridge Railing Fabricator	<a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a>	2010-249Q
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 Steel Bridge Railing Fabricator	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 Steel Bridge Railing Fabricator	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 Steel Bridge Railing Fabricator	<a href="http://hallindustries.com/">http://hallindustries.com/</a>	2002-178Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 Steel Bridge Railing Fabricator	<a href="http://peletwelding.com/">http://peletwelding.com/</a>	2010-015Q
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 Steel Bridge Railing Fabricator		2004-016Q



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## Section 1015: Protective Barrier

### 1015.2 Aluminum Protective Barrier

Last Revised: 7/9/2015

	Product	Name	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 Aluminum Protective Barrier Fabricator	<a href="http://www.apexfab.com/">http://www.apexfab.com/</a>	2014-195QD
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 Aluminum Protective Barrier Fabricator	<a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a>	1996-055
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 Aluminum Protective Barrier Fabricator	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 Aluminum Protective Barrier Fabricator	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 Aluminum Protective Barrier Fabricator	<a href="http://hallindustries.com/">http://hallindustries.com/</a>	2011-267Q
WATSB 15	Watson Bowman Acme Corporation, 95 Pineview Drive, Amherst, NY 14228 Aluminum Protective Barrier Fabricator	<a href="https://wbacorp.com/">https://wbacorp.com/</a>	2006-073Q



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## Section 1016: Protective Fence

### 1016.2(a)3 Protective Fence (Steel) Posts, Rails and Fittings (BC-701M)

Last Revised: 7/9/2015

	Product	Name	Ref. No.
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a> Protective Fence Fabricator		2010-017Q
SHAFC 15	Sharon Fence Company, P.O. Box 309, Wheatland, PA 16161 <a href="http://www.sharonfence.com/">http://www.sharonfence.com/</a> Protective Fence Fabricator		2011-044Q



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## Section 1019: Protective Coatings for Reinforced Concrete Surfaces

### 1019.2(a) Boiled Linseed Oil (AASHTO M233)

Last Revised: 7/9/2015

See also Section 503.2

	Product	Name	Ref. No.
CHEMM 15	Chem Masters, 300 Edward Street, Madison, OH 44057 <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a> Boiled Linseed Oil (AASHTO M233), See also Section 503.2	Anti-Spall 55	2004-149Q
DAYT1 15	Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 503.2 <i>Formerly: Day Chem Anti-Spall (J33)</i>	Anti-Spall (J-33)	1990-147
DEGEN 15	Degen Oil & Chemical Company, 200 Kellogg Street, P.O. Box 5240, Jersey City, NJ 07305 Boiled Linseed Oil (AASHTO M233), See also Section 503.2	Boiled Linseed Oil	1996-173
MEDW1 15	W. R. Meadows, Inc., 2100 Monroe Street, P. O. Box 7550, York, PA 17404-0550 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 503.2	Sealtight Lin-Seal	1992-265
PRUET 15	Pruett-Schaffer Chemical Company, 3327 Stafford Street, Pittsburgh, PA 15204 <a href="http://www.pruett-schaffer.com/">http://www.pruett-schaffer.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 503.2	Anti-Spalling Compound	1997-080
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 503.2	Certi-Vex Linseed Anti-Spall	2000-066Q
WKTEK 15	Wicktek, Inc., P.O. Box 59, Farmington, PA 15437 <a href="http://wicktek.com/">http://wicktek.com/</a> Boiled Linseed Oil (AASHTO M233), See also Section 503.2	Densicrete	1995-049
ZIMME 15	E.E. Zimmerman Company, 1370 Old Freeport Rd., Suite 2A, P.O. Box 111254, Pittsburgh, PA 15238 <a href="http://www.eezimmermanco.com/contact.asp">http://www.eezimmermanco.com/contact.asp</a> Boiled Linseed Oil (AASHTO M233), See also Section 503.2	Anti-Spalling Compound Concrete Sealer	----

### 1019.2(b) Epoxy Resins (For Abutments, Pier Caps and Endwalls)

Last Revised: 7/9/2015

	Product	Name	Ref. No.
GROSC 15	Groco Specialty Coatings, 10818 Hawn Freeway, Dallas, TX 75217 <a href="http://www.grocosc.com/">http://www.grocosc.com/</a> Epoxy Resins (For Abutments, Pier Caps and Endwalls)	Si-Rex03 Silicone	2009-074



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## Section 1019: Protective Coatings for Reinforced Concrete Surfaces

### 1019.2(b) Epoxy Resins (For Abutments, Pier Caps and Endwalls)

Last Revised: 7/9/2015

Product	Name	Ref. No.
<b>GROSC 15</b> Groco Specialty Coatings, 10818 Hawn Freeway, Dallas, TX 75217 <a href="http://www.groscosc.com/">http://www.groscosc.com/</a> <i>Required Primers: Si-Prime™/Cremsil™</i> <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
<b>UNICO 15</b> United Coatings, 2810 S. 18th Place, Phoenix, AZ 85034 Epoxy Resins (For Abutments, Pier Caps and Endwalls) <i>Approved as an aesthetic coating, not a protective coating.</i> <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Canyon Tone Stain	2011-156
<b>VEXCN 15</b> Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a> Epoxy Resins (For Abutments, Pier Caps and Endwalls) 1. Primer: Powercoat Primer Pigmented PA DOT 1019-SafetyYellow 2. Top Coat: Powercoat Epoxy HD Pigmented PA DOT 1019 <i>This Powercoat Epoxy Resin System has a reduced Certification Level 2 per Publication 408, Section 106.03(b)3 as of 3/10/2015.</i>	Powercoat Epoxy Resin 2 part system:	1997-135

### 1019.2(c) Penetrating Sealers (For Reinforced Concrete Substructure Surfaces)

Last Revised: 7/9/2015

AASHTO T259 and T260, FHWA RD 78-35, Section 4.B.77

The use of some penetrating sealers may affect the frictional properties of concrete surfaces. Consult the manufacturer before using sealer on surfaces subject to vehicular or pedestrian traffic.

Product	Name	Ref. No.
<b>ADVCT 15</b> Advanced Chemical Technologies, Inc., 100 W. Wilshire Blvd. Ste. C-1, Oklahoma City, OK 73116 <a href="http://www.advchemtech.com/">http://www.advchemtech.com/</a> Penetrating Sealer, Organo-Silicon Compounds in Solvents	SIL-ACT ATS-100LV	2012-114Q
<b>AQURN 15</b> Aquaron Corporation, P.O. Box 758, Rockwall, TX 75087 <a href="http://www.aquron.com/">http://www.aquron.com/</a> Penetrating Sealer, Silicates in Water	Aquron CPT-2000	2000-298Q
<b>BASBS 15</b> BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Penetrating Sealer, Organo-Silicon Compounds in Solvents	MasterProtect H 400 (previously Enviroseal 40)	1987-129





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## Section 1019: Protective Coatings for Reinforced Concrete Surfaces

### 1019.2(c) Penetrating Sealers (For Reinforced Concrete Substructure Surfaces)

Last Revised: 7/9/2015

AASHTO T259 and T260, FHWA RD 78-35, Section 4.B.77

The use of some penetrating sealers may affect the frictional properties of concrete surfaces. Consult the manufacturer before using sealer on surfaces subject to vehicular or pedestrian traffic.

	Product	Name	Ref. No.
BASBS115	BASF Corporation Building Systems, 23930 Concord Ave., Mattawan, MI 49071 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Penetrating Sealer, Organo-Silicon Compounds in Solvents	MasterProtect H 1000 (previously Hydrozo 100)	2011-227Q
CONSE 15 Plant	Concrete Sealants, Inc., P.O. Box 176, New Carlisle, OH 45344 <a href="http://conseal.com/">http://conseal.com/</a> Tipp City, OH Penetrating Sealer, Silicates in Water	ConBlock SH	2012-129Q
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Penetrating Sealer, Silicates in Water	Baracade WB 244	1999-185Q
EVONK 15 Plant	Evonik Corporation, 299 Jefferson Road, Parsippany, NJ 07054 <a href="http://corporate.evonik.com/en/Pages/default.aspx">http://corporate.evonik.com/en/Pages/default.aspx</a> 4201 Degussa Road Theodore, AL 36590 Penetrating Sealer, Organo-Silicon Compounds in Solvents	120877 Protectosil BHN	2014-005Q
PROS1 15	Prosoco, Inc., 3741 Greenway Circle, Lawrence, KS 66046 <a href="http://www.prosoco.com/">http://www.prosoco.com/</a> Penetrating Sealer, Silicates in Water	Consolideck Saltguard WB	1999-140Q
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a> Penetrating Sealer, Organo-Silicon Compounds in Solvents Penetrating Sealer, Organo-Silicon Compounds in Solvents	Vexcon Certi-Penseal 244 100% Vexcon Powerseal 40	2012-202Q 2010-146QB
WKTEK 15	Wicktek, Inc., P.O. Box 59, Farmington, PA 15437 <a href="http://wicktek.com/">http://wicktek.com/</a> Penetrating Sealer, Silicates in Water	Densicrete	1995-049
XYPEX 15	Xypex Chemical Corporation, 13731 Mayfield Place, Richmond, British Columbia, Canada V6V 2G9 <a href="http://www.xypex.com/">http://www.xypex.com/</a> Penetrating Sealer, Silicates in Water <i>Alternate (solid concentrate mixed on job, not liquid form)</i>	Xypex Concentrate (C500)	2002-019Q



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## Section 1019: Protective Coatings for Reinforced Concrete Surfaces

### 1019.2(d) Penetrating Sealers (For Bridge Superstructure)

Last Revised: 7/9/2015

NCHRP 244 Test as described in Publication 408.

	Product	Name	Ref. No.
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Penetrating Sealer (For Bridge Superstructure)	MasterProtect H 400 (previously Enviroseal 40)	1987-129
BASBS115	BASF Corporation Building Systems, 23930 Concord Ave., Mattawan, MI 49071 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Penetrating Sealer (For Bridge Superstructure)	MasterProtect H 1000 (previously Hydrozo 100)	2011-227Q
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Penetrating Sealer (For Bridge Superstructure)	Baracade WB 244	1999-185Q
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a> Penetrating Sealer (For Bridge Superstructure)	Vexcon Powerseal 40 Penetrating Sealer	2010-146QB



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## Section 1020: Tooth Expansion Dam with Drain Trough

### 1020.2 Tooth Expansion Dam Fabricators

Last Revised: 7/9/2015

	Product	Name	Ref. No.
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 Tooth Expansion Dam Fabricator	<a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>	2010-080Q
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 Tooth Expansion Dam Fabricator	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
KARDW 15	Kard Welding, Inc., 480 Osterloh Road, P. O. Box 124, Minster, OH 45865 Tooth Expansion Dam Fabricator		2007-001Q
OHSTR	Ohio Structures, Inc., 6124 Pricetown Road, Berlin Center, OH 44401 Tooth Expansion Dam Fabricator		2013-230Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 Tooth Expansion Dam Fabricator	<a href="http://peletwelding.com/">http://peletwelding.com/</a>	2009-042Q
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 Tooth Expansion Dam Fabricator		----
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 Tooth Expansion Dam Fabricator	<a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a>	----
WATSB 15	Watson Bowman Acme Corporation, 95 Pineview Drive, Amherst, NY 14228 Tooth Expansion Dam Fabricator	<a href="https://wbacorp.com/">https://wbacorp.com/</a>	----

### 1020.2(f), (g) and (h) Drain Trough Material for Tooth Expansion Dams

Last Revised: 7/9/2015

	Product	Name	Ref. No.
BRPMF 15	BRP Manufacturing Company, 637 North Jackson St., P.O. Box 389, Lima, OH 45802-0389 Drain Trough Material (f), Nylon Fabric	<a href="http://www.brpmfg.com/">http://www.brpmfg.com/</a> Nitrile Draintrough Material	2006-227Q



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## Section 1020: Tooth Expansion Dam with Drain Trough

### 1020.2(f), (g) and (h) Drain Trough Material for Tooth Expansion Dams

Last Revised: 7/9/2015

	Product	Name	Ref. No.
FABRK 15	Fabreeka International, Inc., 1023 Turnpike Street, P. O. Box 210, Stroughton, MA 02072 <a href="http://www.fabreeka.com/">http://www.fabreeka.com/</a> Drain Trough Material (f), Polyester/Nylon Fabric Combined	Fabric-Elastomer Trough Material	1985-015
HBD-1 15	HBD/Thermoid, Inc., 240 Industrial Lane, P.O. Box 4310, Oneida, TN 37841 <a href="http://www.hbdthermoid.com/">http://www.hbdthermoid.com/</a> Drain Trough Material (f), Polyester/Nylon Fabric Combined	2 Ply PNT 45 Black Nitrile 3/64 - Draintrough	2010-134Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1022: Steel Bridge Hand Railing

### 1022.2 Steel Bridge Hand Railing (BC-720M or Alternate BC-718M)

Last Revised: 7/9/2015

Product	Name	Reference Letter	Ref. No.
ADVSC 15	Advantage Steel & Construction, LLC, 2300 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.advsteel.com/">http://www.advsteel.com/</a> Steel Bridge Hand Railing Fabricator		2015-022Q
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> Steel Bridge Hand Railing Fabricator		2014-195QE
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 <a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a> Steel Bridge Hand Railing Fabricator Steel Bridge Hand Railing Fabricator		2011-158Q 2011-159Q
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a> Steel Bridge Hand Railing Fabricator		2006-196Q
CAPST 15	Capital Steel Service, LLC, 82 Stokes Avenue, Trenton, NJ 08638 <a href="http://www.capitalsteel.org/">http://www.capitalsteel.org/</a> Steel Bridge Hand Railing Fabricator		2011-193Q
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a> <i>Formerly Foster Precise Structural Products (FOSPR).</i> Steel Bridge Hand Railing Fabricator		2010-250Q
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a> Steel Bridge Hand Railing Fabricator		2009-021Q
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Steel Bridge Hand Railing Fabricator	07/19/1996	----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Steel Bridge Hand Railing Fabricator	07/19/1996	----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> Steel Bridge Hand Railing Fabricator		2002-178Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a> Steel Bridge Hand Railing Fabricator		2010-015Q



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## Section 1022: Steel Bridge Hand Railing

### 1022.2 Steel Bridge Hand Railing (BC-720M or Alternate BC-718M)

Last Revised: 7/9/2015

Product	Name	Reference Letter	Ref. No.
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 Steel Bridge Hand Railing Fabricator		2004-016Q
VAL-2 15	Valmont Specialty Structures/Plymouth, 1545 Pidco Drive, Plymouth, IN 46563 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Steel Bridge Hand Railing Fabricator		2007-181Q



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## Section 1023: Aluminum Bridge Hand Railing

### 1023.2 Aluminum Bridge Hand Railing (BC-720M)

Last Revised: 7/9/2015

Product	Name	Reference Letter	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> Aluminum Bridge Hand Railing Fabricator		2014-195QF
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 <a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a> Aluminum Bridge Hand Railing Fabricator		1991-009C
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Aluminum Bridge Hand Railing Fabricator	07/19/1996	----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Aluminum Bridge Hand Railing Fabricator	07/19/1996	----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> Aluminum Bridge Hand Railing Fabricator		2002-178Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a> Aluminum Bridge Hand Railing Fabricator		2011-101QC
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 Aluminum Bridge Hand Railing Fabricator		2004-096Q
VAL-2 15	Valmont Specialty Structures/Plymouth, 1545 Pidco Drive, Plymouth, IN 46563 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Aluminum Bridge Hand Railing Fabricator		2007-180Q



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## Section 1026: Neoprene Strip Seal Dam

### 1026.2 Neoprene Strip Seal Dam (Strip Seal Retainers)

Last Revised: 7/9/2015

BC-767 Sheet 2 of 5

Product	Name	Retainer ID/Shop Drawing #	Ref. No.
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>		
	Neoprene Strip Seal Dam (Strip Seal Retainer)	SSPA02SC	----
	Neoprene Strip Seal Dam (Strip Seal Retainer) 1.5" depth per SOL 431-97-23	SSE2	1996-196
	Neoprene Strip Seal Dam (Strip Seal Retainer) 2" depth per SOL 431-97-23	SSA2	1996-195
WATRJ 15	R. J. Watson, Inc., 11035 Walden Avenue, Alden, NY 14007 <a href="http://www.rjwatson.com/">http://www.rjwatson.com/</a>		
	Neoprene Strip Seal Dam (Strip Seal Retainer)	SV-400	1992-039
	Neoprene Strip Seal Dam (Strip Seal Retainer)	PADOT 92-280-PEQ	1992-280
WATSB 15	Watson Bowman Acme Corporation, 95 Pineview Drive, Amherst, NY 14228 <a href="https://wbacorp.com/">https://wbacorp.com/</a>		
	Neoprene Strip Seal Dam (Strip Seal Retainer)	C-11382	----
	Neoprene Strip Seal Dam (Strip Seal Retainer)	C-12164	1992-027
	Neoprene Strip Seal Dam (Strip Seal Retainer)	C-14398	1992-327

### 1026.2(a) Neoprene Strip Seal Dam (Fabricators)

Last Revised: 7/9/2015

These plants have been pre-approved to fabricate Neoprene Strip Seal Dam as defined by BC 767M

Product	Name	Plant City	Plant State	Ref. No.
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>			
	Neoprene Strip Seal Dam Fabricator	North Baltimore	OH	2006-198Q
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>			
	Neoprene Strip Seal Dam Fabricator	Bedford	PA	----
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a>			
	Neoprene Strip Seal Dam Fabricator	Elwood	PA	2012-175Q
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740			
	Neoprene Strip Seal Dam Fabricator	Jersey Shore	PA	----
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 <a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a>			
	Neoprene Strip Seal Dam Fabricator	Millvale	PA	----
WATSB 15	Watson Bowman Acme Corporation, 95 Pineview Drive, Amherst, NY 14228 <a href="https://wbacorp.com/">https://wbacorp.com/</a>			
	Neoprene Strip Seal Dam Fabricator	Amherst	NY	----





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## Section 1031: Timber Structures

### 1031.2(a) Structural Timber

Last Revised: 7/9/2015

	Product	Name	Ref. No.
ALAWP 15	Alamco Wood Products, Inc., 1410 West Ninth Street, Albert Lea, MN 56007 Softwood (Glue Laminated)	<a href="http://www.alamcowood.com/">http://www.alamcowood.com/</a>	2000-236Q
AMETS 15	American Timber and Steel Corporation, 4832 Plank Road, P. O. Box 767, Norwalk, OH 44857-0767 Softwood (Non-Laminated)	<a href="http://www.americantimberandsteel.com/">http://www.americantimberandsteel.com/</a>	1995-268
BELLP 15	Bell Lumber & Pole Company, P.O. Box 120786, New Brighton, MN 55112-0024 Timber Treater Facility	<a href="http://www.blpole.com/">http://www.blpole.com/</a>	1999-110Q
KOPRS 15	Koppers Industries, Inc., 50 Koppers Lane, Montgomery, PA 17752 Timber Treater Facility	<a href="http://www.koppers.com/">http://www.koppers.com/</a>	1999-194Q
MIDWW 15	Midwest Wood Treating, Inc., 4832 Plank Road, P. O. Box 610, Norwalk, OH 44857 Timber Treater Facility		----
NORSO 15	North-South Wood Preserving Company, 160 Preserver Road, North, SC 29112 Timber Treater Facility		2012-116Q
POCOP 15	Pocopson Industries, Inc., 919 Pocopson Road, West Chester, PA 19382 Softwood (Mechanically Laminated) Softwood (Non-Laminated)		2003-071Q 2003-071Q
RIGID 15	Rigidply Rafters, Inc., 701 East Linden Street, Richland, PA 17087 Softwood (Glue Laminated) Softwood (Mechanically Laminated)	<a href="http://www.rigidply.com/">http://www.rigidply.com/</a>	1999-176Q 1999-176Q
STEJ2 15	Stella-Jones Corporation, R.R. 3, P. O. Box 275, Dubois, PA 15801 Formerly <i>Burke-Parsons-Bowby Corp. (BURPB 15)</i> Timber Treater Facility	<a href="http://stella-jones.com/">http://stella-jones.com/</a>	2002-079Q



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## Section 1043: Shotcrete

### 1043.2(a) Shotcrete

Last Revised: 7/9/2015

	Product	Name	Ref. No.
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Shotcrete (Pre-Packaged) <i>Conditionally Approved: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used.</i> <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a>	MasterEmaco S211 SP	2012-018Q
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Shotcrete (Pre-Packaged)	Eucoshot	2007-079Q
KAUFM 15	Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131 <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a> Shotcrete (Pre-Packaged)	SureShot	2010-065
QUIKR 15 Plant	The Quikrete Companies, One Securities Centre, 3490 Piedmont Road, N.E. Suite 1300, Atlanta, GA 30305 <a href="http://www.quikrete.com/">http://www.quikrete.com/</a> Latrobe, PA Shotcrete (Pre-Packaged)	Shotcrete MS	2002-014Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1051: Downspouting

### 1051.2 Downspouting

Last Revised: 7/9/2015

	Product	Name	Ref. No.
BELCO 15	Belco Manufacturing, Inc., P.O. Box 210, Belton, TX 76513 <a href="http://www.belco-mfg.com/">http://www.belco-mfg.com/</a> Downspouting	Bridgeline Fiberglass Downspouting	2013-033Q
GRACO 15	Grace Composites, 351 Ruth Road, Lonoke, AR 72086 Downspouting	Fiberglass Downspouting	2005-117Q
HARVL 15	Georg Fischer Harvel LLC, 300 Kuebler Road, Forks Twp., Easton, PA 18040 <a href="http://www.harvel.com/">http://www.harvel.com/</a> <i>Formerly Harvel Plastics Inc.</i> Downspouting	PVC Downspouting	2001-107Q
UNIFG 15	United Fiberglass of America, 2145 Airpark Drive, Springfield, OH 45502 <a href="http://www.unitedfiberglass.com/">http://www.unitedfiberglass.com/</a> Downspouting	Fiberglass Downspouting	2012-127Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 1060: Shop Painting Structural Steel

### 1060.2 Coating System for Structural Steel

Last Revised: 8/7/2015

NEPCOAT Approved and Maintained paint systems.

Mixing portions of paint systems by hand without powered mechanical homogenization available to contractors is not recommended.

Product	Name	Primer Coat	Primer VOC (g/L)	Intermediate Coat (g/L)	Intermediate VOC (g/L)	Finish Coat	Finish VOC	NEPCOAT Number	Ref. No.
<b>CARBL 15</b>	<b>Carboline Company, 2150 Schuetz Road, St. Louis, MO 63146</b> <a href="http://www.carboline.com/">http://www.carboline.com/</a>								
	Three Coat Paint System (using Inorganic, Zinc-Rich Primer) <i>Plants in Lake Charles, LA and Green Bay, WI</i>	Carbozinc 11 HS	267	Carboguard 893	198	Carbothane 133 LV	255	SCC(12)-03	2014-208QA BC
<b>SHERO 15</b>	<b>Sherwin Williams, 549 E. 115th Street, Chicago, IL 60628</b> <a href="http://www.sherwin-williams.com/">http://www.sherwin-williams.com/</a>								
	Three Coat Paint System (using Inorganic, Zinc-Rich Primer) <i>Primer: B69VZ20/B69VZ18/B69D11 Intermediate Coat: B67R8 (Part A Red) / B67W8 (Part A White) / B67V8 (Part B Hardener) Finish Coat: B65-300 (Part A Gloss) / B65-350 (Part A Semi-Gloss) / B60V30 (Part B Hardener)</i>	Zinc Clad DOT	336	Steel Spec. Epoxy	301	High Solids Polyurethane	281	SSC(09)-01	2011-250QA BC



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1070: Painting Existing Structural Steel

### 1070.2 Coating System for Existing Structural Steel

Last Revised: 7/9/2015

NEPCOAT Approved and Maintained paint systems.

Mixing portions of paint systems by hand without powered mechanical homogenization available to contractors is not recommended.

Product	Name	Primer Coat	Primer VOC (g/L)	Intermediate Coat (g/L)	Intermediate VOC (g/L)	Finish Coat	Finish VOC	NEPCOAT Number	Ref. No.	
<b>CARBL 15</b>	<b>Carboline Company, 2150 Schuetz Road, St. Louis, MO 63146 <a href="http://www.carboline.com/">http://www.carboline.com/</a></b>									
	Three Coat Paint System (using Organic, Zinc-Rich Primer)	Carbozinc 859	327	Carboguard 888	320	Carbothane 133LH	311	SSC(04)-02	2009-049QA BC	
	<i>Plants in Lake Charles, LA, and Green Bay, WI.</i>									
	<i>This system is Provisionally Approved. Final approval will be based on obtaining and maintaining NEPCOAT acceptance and PennDOT field evaluation. Training must be performed by Carboline for all applicators and a Carboline project training form completed before use on a PennDOT project.</i>									
	<i>This product system was reduced to Certification Level 2 Per Publication 408 Sec. 106.03(b)3 as of 1/27/2010.</i>									
	Three Coat Paint System (using Organic, Zinc-Rich Primer)	Carbozinc 859	327	Carboguard 893	320	Carbothane 133LH	311	SSC(06)-11	2010-086QA BC	
	<i>Plants in Lake Charles, LA, and Green Bay, WI.</i>									
	<i>This system is Provisionally Approved. Final approval will be based on obtaining and maintaining NEPCOAT acceptance and PennDOT field evaluation. Training must be performed by Carboline for all applicators and a Carboline project training form completed before use on a PennDOT project.</i>									
	<i>This product system was reduced to Certification Level 2 Per Publication 408 Sec. 106.03(b)3 as of 1/27/2010.</i>									
<b>INTP- 15</b>	<b>International Paint LLC, 6001 Antoine Drive, Houston, TX 77091</b>									
	Three Coat Paint System (using Organic, Zinc-Rich Primer)	Interzinc 315B	304	Intergard 475HS	187	870 UHS	316	SSC(11)01-002	2012-119QA BC	
	<i>This system is Provisionally Approved. Final approval will be based on obtaining and maintaining NEPCOAT acceptance and PennDOT field evaluation.</i>									
<b>SHER0 15</b>	<b>Sherwin Williams, 549 E. 115th Street, Chicago, IL 60628 <a href="http://www.sherwin-williams.com/">http://www.sherwin-williams.com/</a></b>									
	Three Coat Paint System (using Organic, Zinc-Rich Primer)	ZincClad III HS	330	Macropoxy 646	191	Acrolon 218 HS	280	SSC(04)-03	2007-066QA BC	
	<i>Primer Plant: Andover, KS</i>									
	<i>Intermediate Plants: Andover, KA, Victorville, CA, and Greensboro, NC</i>									
	<i>Finish Plants: Andover, KS, and Richmond, KY</i>									
	<i>This system is Provisionally Approved. Final approval will be based on obtaining and maintaining NEPCOAT acceptance and PennDOT field evaluation.</i>									
	<i>Certification Reduction Level 2 per Publication 408 Sec. 106.03(b)3, as of 3/31/2011.</i>									



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 1071: Spot/Zone Maintenance Painting of Existing Structural Steel

### 1071.2 Field Maintenance Structural Paint Systems (Aluminum-Filled Mastic)

Last Revised: 6/1/2015

Mixing portions of paint systems by hand without powered mechanical homogenization available to contractors is not recommended.

Product	Name	Primer Coat	Primer VOC (g/L)	Intermediate Coat (g/L)	Intermediate VOC (g/L)	Finish Coat	Finish VOC	Ref. No.
<b>CARBL 15</b>	<b>Carboline Company, 2150 Schuetz Road, St. Louis, MO 63146 <a href="http://www.carboline.com/">http://www.carboline.com/</a></b>							
	Three Coat Paint System (Aluminum-Filled Mastic)	Carbomastic 15	242	Carbomastic 15	242	Carbothane 134HS	336	----
	Three Coat Paint System (Aluminum-Filled Mastic)	Carbomastic 90	245	Carbomastic 90	245	Carbothane 134HS	336	----
	<i>This product system was reduced to Certification Level 2 Per Publication 408 Sec. 106.03(b)3 as of 1/27/2010.</i>							
<b>PPG-1 15</b>	<b>PPG - Protective &amp; Marine Coatings, 11605 Vimy Ridge Road, Little Rock, AR 72219 <a href="http://www.ppgpmc.com/Home.aspx">http://www.ppgpmc.com/Home.aspx</a></b>							
	Three Coat Paint System (Aluminum-Filled Mastic)	Amerlock 400 AL	240	Amerlock 400 AL	240	Amercoat 450 HS	340	----

### 1071.2 Field Maintenance Structural Paint Systems (Non-Zinc Primer)

Last Revised: 6/1/2015

Mixing portions of paint systems by hand without powered mechanical homogenization available to contractors is not recommended.

### 1071.2 Field Maintenance Structural Paint Systems (Organic Zinc Primer)

Last Revised: 6/1/2015

Mixing portions of paint systems by hand without powered mechanical homogenization available to contractors is not recommended.



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 1080: Prestressed Concrete Bridge Superstructure

### 1080.2(c) Nonshrink Grout (Pre-Mixed)

Last Revised: 4/3/2015

For shear keys in adjacent prestressed concrete box beam bridges and other areas where flowable grout is required.

	Product	Name	Ref. No.
5STAR 15	<b>Five Star Products, Inc., 750 Commerce Drive, Fairfield, CT 06825</b> <a href="http://www.fivestarprouducts.com/">http://www.fivestarprouducts.com/</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	5 Star	1970-012
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	5 Star Instant	1976-060
ADMXT 15	<b>Admixtures, Inc., 200 Furnace Road, P. O. Box 225, Wernersville, PA 19565-0225</b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	BC Grout	1976-053
BASBS 15	<b>BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379</b> <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	MasterFlow 100 (previously Construction Grout)	2007-097Q
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	MasterFlow 713	1976-006
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	MasterFlow 816	1975-005
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Set Grout	1987-058
CGM-N 15	<b>CGM Inc., 1463 Ford Road, Bensalem, PA 19020</b> <a href="http://cgmbuildingproducts.com/">http://cgmbuildingproducts.com/</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Pro-Grout 90	1987-083
CHEMM 15	<b>Chem Masters, 300 Edward Street, Madison, OH 44057</b> <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Conset Grout	1992-241
CONSM 15	<b>Concrete Service Materials Company, Elm &amp; Walnut St., P. O. Box 447, Conshohocken, PA 19428-0447</b> <a href="http://www.concreteservicematerials.com/">http://www.concreteservicematerials.com/</a>		
	Premixed, Nonshrink Grout (Metallic Grout Admixture)	CSC Shrinkproof	----
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Diamondcrete	1972-067



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1080: Prestressed Concrete Bridge Superstructure

### 1080.2(c) Nonshrink Grout (Pre-Mixed)

Last Revised: 4/3/2015

For shear keys in adjacent prestressed concrete box beam bridges and other areas where flowable grout is required.

	Product	Name	Ref. No.
<b>DAYT1 15</b>	<b>Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106</b> <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Sure-Grip Precision Grout (formerly Multi-Purpose Grout)	1986-040
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Suregrip Hi-Perf	1982-094
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Suregrip Util.	1991-055
<b>EUCLD 15</b>	<b>Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799</b> <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Euco Cable Grout PTX	2004-008Q
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Euco NS Grout	1976-019
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Hi-Flow Grout	2002-152Q
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	NC Grout	2000-281Q
<b>GILLI 15</b>	<b>Gill Industries, Inc., 3462 Kershaw-Camden Highway, Lancaster, SC 29720</b> <a href="http://www.gill-industries.com/">http://www.gill-industries.com/</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Gill 33B&P	1972-050
<b>HBFUL 15</b>	<b>H. B. Fuller, 1200 Willow Lake Boulevard, St. Paul, MN 55110-5101</b> <a href="http://www.hbfuller.com/">http://www.hbfuller.com/</a>		
<b>Plant</b>	<b>H. B. Fuller Fairless Hills, PA 19030</b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	ProSpec High Strength Precision Grout	1972-054
<b>IPA-S 15</b>	<b>IPA Systems, Inc., 2745 North Amber St., Philadelphia, PA 19134</b> <a href="http://ipasystems.com/">http://ipasystems.com/</a>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Penn Grout	1975-079
<b>KAUFM 15</b>	<b>Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131</b> <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
	Premixed, Nonshrink Grout (Metallic, Non-Staining)	Sure Grout-Met	1981-052
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Sure Grout	1976-048





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1080: Prestressed Concrete Bridge Superstructure

### 1080.2(c) Nonshrink Grout (Pre-Mixed)

Last Revised: 4/3/2015

For shear keys in adjacent prestressed concrete box beam bridges and other areas where flowable grout is required.

	Product	Name	Ref. No.
KELKN 15	<b>Kelken Construction Systems, Suite C, Sayreville, NJ 08872 <a href="http://www.kelken.com/">http://www.kelken.com/</a></b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Keligrout	1986-125
L&MCC 15	<b>L&amp;M Construction Chemicals, Inc., 14851 Calhoun Road, Omaha, NE 68152 <a href="http://www.lmcc.com/">http://www.lmcc.com/</a></b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Crystex	1976-032
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Duragrout	1990-175
MEDW0 15	<b>W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a></b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	CG86 Grout	1993-292
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Sealtight 588	1984-165
MEDW1 15	<b>W. R. Meadows, Inc., 2100 Monroe Street, P. O. Box 7550, York, PA 17404-0550 <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a></b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	CG86 Grout	1993-292
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Sealtight 588	1984-165
NATPC 15	<b>National Permacrete Company, 590 N. Vally Forge Rd., P. O. Box 886, Deon, PA 19333</b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Permagrout	1976-088
QUIKR 15 Plant	<b>The Quikrete Companies, One Securities Centre, 3490 Piedmont Road, N.E. Suite 1300, Atlanta, GA 30305 <a href="http://www.quikrete.com/">http://www.quikrete.com/</a></b> <b>Latrobe, PA</b>		
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	1585-00 Precision Grout	2000-289Q
	Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	General Purpose Grout	2000-290Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1080: Prestressed Concrete Bridge Superstructure

### 1080.2(c) Nonshrink Grout (Pre-Mixed)

Last Revised: 4/3/2015

For shear keys in adjacent prestressed concrete box beam bridges and other areas where flowable grout is required.

	Product	Name	Ref. No.
SIKA0 15 Facility	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> 2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Cresent, DE55 7RA Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Sikagrout 212	1983-219
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Marion, OH Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	Sikagrout 300 PT	2007-147Q
SPECH 15	SpecChem, LLC, 1619 Walnut Street, Kansas City, MO 64108 <a href="http://specchemllc.com/">http://specchemllc.com/</a> Premixed, Nonshrink Grout (Non-Metallic, Non-Staining)	SC Multipurpose Grout	2012-159Q
VEXCN 15	Vexcon Chemicals, Inc., 7240 State Road, Philadelphia, PA 19135 <a href="http://www.vexcon.com/">http://www.vexcon.com/</a> Premixed, Nonshrink Grout (Non-Metallic, Non-Staining) <i>One-day Compressive Strength is equal to or greater than 26 Mpa (3750 psi).</i>	Certi-Grout 1000	2000-071Q

### 1080.2(e) Modified Mortar for Beam Seat Leveling

Last Revised: 4/3/2015

	Product	Name	Ref. No.
SIKA0 15 Facility	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> 2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Cresent, DE55 7RA Mortar for Beam Seat Leveling	Sikatop Plus 122	1979-036
	Mortar for Beam Seat Leveling	Sikatop Plus 123	1982-007



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1085: Precast Reinforced Concrete Box Culvert

### 1085.2 Precast Box Culverts

Last Revised: 7/9/2015

Product	Name	Reference Letter	Ref. No.
ATLCP 15	Atlantic Concrete Products, Inc., 8900 Old Route 13, Tullytown, PA 19007-1375 <a href="http://www.atlanticconcrete.com/">http://www.atlanticconcrete.com/</a> Precast Box Culvert		2009-088Q
BRAYP 15	Brayman Precast, Precast Division, 2900 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.braymanprecast.com/">http://www.braymanprecast.com/</a> <i>Formerly Advantage Precast Solutions LLC (ADVPS 15)</i> Precast Box Culvert		2015-004QA
BYCRT 15	By-Crete, 517 King Street, RD #1, Lebanon, PA 17042 <a href="http://www.bycrete.com/">http://www.bycrete.com/</a> Precast Box Culvert		2001-221Q
CONTN 15	Continental Concrete Products, Inc., 1 South Grosstown Road, Pottstown, PA 19464 <a href="http://www.continentalconcrete.com/">http://www.continentalconcrete.com/</a> Precast Box Culvert		2005-034Q
DUTCH 15	Dutchland, Inc., 160 Route 41, Gap, PA 17527-0549 <a href="http://www.dutchlandinc.com/">http://www.dutchlandinc.com/</a> Precast Box Culvert		2003-185Q
EASST 15	Eastern States Steel Corporation, 121 Industrial Ave., Upper Saddle River, NJ 07458 <a href="http://www.easternstatessteel.com/">http://www.easternstatessteel.com/</a> Precast Box Culvert	Reinforcement Spacers	1988-046
HYDR3 15	Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 4200 Universal Drive, Diamond, OH 44412 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a> Precast Box Culvert	05/27/1992	----
HYDR4 15 Plant	Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 2000 Gregg Station Road, Oakdale, PA 15071 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a> 2000 Gregg Station Road Oakdale, PA 15071 Precast Box Culvert		2001-171Q
MACK1 15	Mack Industries of PA, Inc., P.O. Box 335, Valley City, OH 44280 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a> Precast Box Culvert	09/21/1990	----
MILL0 15	A. C. Miller Concrete Products, P.O. Box 93, Route 22, Blairsville, PA 15717 <a href="http://www.acmiller.com/">http://www.acmiller.com/</a> Precast Box Culvert	11/20/1987	----
MILL1 15	A. C. Miller Concrete Products, P.O. Box 199, Bridge Street, Spring City, PA 19475 <a href="http://www.acmiller.com/">http://www.acmiller.com/</a> Precast Box Culvert		2000-241Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1085: Precast Reinforced Concrete Box Culvert

### 1085.2 Precast Box Culverts

Last Revised: 7/9/2015

Product	Name	Reference Letter	Ref. No.
MONAP 15	Monarch Products Company, Inc., 385 Sipe Road, York Haven, PA 17370 <a href="http://www.monarchproducts.net/">http://www.monarchproducts.net/</a> Precast Box Culvert		2005-009Q
NITTO 15	Nitterhouse Concrete Products Inc., P. O. Box N, Chambersburg, PA 17201 <a href="http://nitterhouseconcrete.com/">http://nitterhouseconcrete.com/</a> Precast Box Culvert	01/02/1992	----
OLP-1 15	Oldcastle Precast, 200 Keystone Drive, Telford, PA 18969 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> Precast Box Culvert		----
OLP-2 15	Oldcastle Precast, 3900 Glover Road, Easton, PA 18040 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> <i>Formerly Modern Precast Concrete (MPCP1 15)</i> Precast Box Culvert		2006-185Q
TERH1 15 Plant	Terre Hill Concrete Products, 42 South Butler Road, Lebanon, PA 17042 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a> Lebanon, PA Precast Box Culvert <i>For Protective Coatings, see Miscellaneous, Coal Tar Epoxy.</i>	05/17/1989	----

### 1085.2(m) Neoprene Joint Material

Last Revised: 7/9/2015

Product	Name	Ref. No.
ARMCL 15	Armacell, LLC, 7600 Oakwood Street Extension, P. O. Box 1038, Mebane, NC 27302 <a href="http://www.armacell.us/index.php?id=6">http://www.armacell.us/index.php?id=6</a> Closed-Cell Neoprene Sponge F-2045, Type 2, Class C, Grade 5	2005-109Q
MONRP 15	Monmouth Rubber and Plastics, 75 Longbranch Avenue, Long Branch, NJ 07740 <a href="http://www.monmouthrubber.com/">http://www.monmouthrubber.com/</a> Closed-Cell Neoprene Sponge DK5151 PADOT, Type 2, Class C, Grade 5	2014-158Q

### 1085.3(m) Protective Coating (SSPC-PS 16-82)

Last Revised: 7/9/2015

Product	Name	Ref. No.
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## Section 1085: Precast Reinforced Concrete Box Culvert

### 1085.3(m) Protective Coating (SSPC-PS 16-82)

Last Revised: 7/9/2015

	Product	Name	Ref. No.
COOPC 15	Coopers Creek Chemical Corporation, 884 River Road, West Conshohocken, PA 19428-2699 <a href="http://cooperscreekchemical.com/">http://cooperscreekchemical.com/</a>	Black No. 775 Epoxy Tar Coating	2010-325Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1086: Sound Barriers

### 1086.2(b) Sound Barrier Wall Panels (Alternates)

Last Revised: 7/9/2015

	Product	Name	Ref. No.
CENTR 15	Centria, 1005 Beaver Grade Road, Moon Township, PA 15108 <a href="http://www.centria.com/Pages/default.aspx">http://www.centria.com/Pages/default.aspx</a> Sound Barrier Wall Panel (Alternate)	Vesapanel Sound Barrier (Reflective Barrier Only)	2006-206
DIAMC 15	Diamond Manufacturing Company, 243 West Eighth Street, P.o. Box 4174, Wyoming, PA 18644 <a href="http://www.diamondman.com/">http://www.diamondman.com/</a> Sound Barrier Wall Panel (Alternate) <i>With NEPCOAT Paint System for aluminum, per SOL 431-08-15</i>	Acoustax Sound Barrier (Structure Mount Only)	2002-130
FABCO 15	Fabcon Precast Concrete Products, 1200 Morea Road, Mahanoy City, PA 17948 <a href="http://www.fabcon-usa.com/">http://www.fabcon-usa.com/</a> Sound Barrier Wall Panel (Alternate)	Sentry-Cast Wall Sound Panel (Reflective Barrier Only)	2011-275
FADD1 15	Faddis Concrete Products, 3515 Kings Highway, Downingtown, PA 19335 <a href="http://www.faddis.com/">http://www.faddis.com/</a> Sound Barrier Wall Panel (Alternate) <i>Precast Absorptive Sound Panel Wall System, per SOL 431-08-16</i>	AcoustaCrete	2000-335
HOOTW 15	Hoover Treated Wood Products, Inc., 154 Wire Road, Thomson, GA 30824 <a href="http://www.frtw.com/">http://www.frtw.com/</a> Sound Barrier Wall Panel (Alternate)	Plywall	2009-050Q
J&RS1 15	J & R Slaw, Inc., P.O. Box D, Bowanstown, PA 18030 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a> Sound Barrier Wall Panel (Alternate) <i>Absorptive Sound Barrier System, per SOL 431-08-01</i>	Concrete Innovation Series / Whisper Wall	2007-040Q
MACK0 15	Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a> Sound Barrier Wall Panel (Alternate) <i>Absorptive Sound Barrier System, per SOL 431-08-01</i>	Concrete Innovation Series / Whisper Wall	2008-092Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1087: PA HT Bridge Barrier

### 1087.2 PA HT Bridge Barrier Railing (BC-707M)

Last Revised: 7/9/2015

These plants have been pre-approved to fabricate steel barrier railings as defined by BC 707M (PA, HT Bridge Barrier).

Product	Name	Plant City	Plant State	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> PA HT Bridge Barrier Railing	Boyerstown	PA	2014-195QG
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 <a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a> PA HT Bridge Barrier Railing	Hudson	MA	2007-157Q
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a> PA HT Bridge Barrier Railing	North Baltimore	OH	2010-081Q
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a> <i>Formerly Foster Precise Structural Products (FOSPR).</i> PA HT Bridge Barrier Railing	Georgetown	MA	----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> PA HT Bridge Barrier Railing	Bedford	PA	2010-246Q
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> PA HT Bridge Barrier Railing	Ellwood City	PA	2005-044Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a> PA HT Bridge Barrier Railing	Coatesville	PA	2010-015Q
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 PA HT Bridge Barrier Railing	Jersey Shore	PA	2004-016Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 1088: PA Type 10M Bridge Barrier

### 1088.2 PA Type 10M Bridge Barrier Railing (BC-709M)

Last Revised: 7/9/2015

These plants have been pre-approved to fabricate steel barrier railings as defined by BC 709M (PA Type, 10M Bridge Barrier).

	Product	Name	Plant City	Plant State	Ref. No.
ADVSC 15	Advantage Steel & Construction, LLC, 2300 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.advsteel.com/">http://www.advsteel.com/</a> PA Type 10M Bridge Barrier Railing		Saxonburg	PA	2015-025Q
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> PA Type 10M Bridge Barrier Railing		Boyerstown	PA	2014-195QH
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 <a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a> PA Type 10M Bridge Barrier Railing		Hudson	MA	2007-120Q
BRGTW 15	Bridges & Towers, Inc., 923 Industrial St., New Castle, PA 16102 PA Type 10M Bridge Barrier Railing		New Castle	PA	----
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a> PA Type 10M Bridge Barrier Railing		North Baltimore	OH	2008-039Q
CAPST 15	Capital Steel Service, LLC, 82 Stokes Avenue, Trenton, NJ 08638 <a href="http://www.capitalsteel.org/">http://www.capitalsteel.org/</a> PA Type 10M Bridge Barrier Railing		Trenton	NJ	2013-077Q
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a> <i>Formerly Foster Precise Structural Products (FOSPR).</i> PA Type 10M Bridge Barrier Railing		Georgetown	MA	2010-246Q
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a> PA Type 10M Bridge Barrier Railing		Oaks Corner	NY	2009-025Q
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> PA Type 10M Bridge Barrier Railing		Bedford	MA	2008-056Q
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> PA Type 10M Bridge Barrier Railing		Ellwood City	PA	----
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a> PA Type 10M Bridge Barrier Railing		Coatesville	PA	2010-015Q
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 <a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a> PA Type 10M Bridge Barrier Railing		West Middlesex	PA	2012-246Q
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a> PA Type 10M Bridge Barrier Railing		Pulaski	PA	2006-191Q





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## Section 1088: PA Type 10M Bridge Barrier

### 1088.2 PA Type 10M Bridge Barrier Railing (BC-709M)

Last Revised: 7/9/2015

These plants have been pre-approved to fabricate steel barrier railings as defined by BC 709M (PA Type, 10M Bridge Barrier).

Product	Name	Plant City	Plant State	Ref. No.
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 PA Type 10M Bridge Barrier Railing	Jersey Shore	PA	2004-016Q
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 <a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a> PA Type 10M Bridge Barrier Railing	Pittsburgh	PA	2010-223Q
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> PA Type 10M Bridge Barrier Railing	Girard	OH	2009-018Q
USBRG 15	U.S. Bridge, 201 Wheeling Avenue, P.O. Box 757, Cambridge, OH 43725 <a href="http://www.usbridge.com/">http://www.usbridge.com/</a> PA Type 10M Bridge Barrier Railing	Cambridge	OH	2007-108Q



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## Section 1089: PA Bridge Barrier

### 1089.2 PA Bridge Barrier Railing (BC-713M)

Last Revised: 7/9/2015

These plants have been pre-approved to fabricate steel barrier railings as defined by BC 713M (PA Bridge Barrier).

	Product	Name	Plant City	Plant State	Ref. No.
ADVSC 15	Advantage Steel & Construction, LLC, 2300 South Noah Drive, Saxonburg, PA 16056 PA Bridge Barrier Railing	<a href="http://www.advsteel.com/">http://www.advsteel.com/</a>	Saxonburg	PA	2015-027Q
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 PA Bridge Barrier Railing	<a href="http://www.apexfab.com/">http://www.apexfab.com/</a>	Boyerstown	PA	2014-195QI
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 PA Bridge Barrier Railing	<a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a>	Hudson	MA	2007-156Q
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 PA Bridge Barrier Railing	<a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>	North Baltimore	OH	2008-039Q
CAPST 15	Capital Steel Service, LLC, 82 Stokes Avenue, Trenton, NJ 08638 PA Bridge Barrier Railing	<a href="http://www.capitalsteel.org/">http://www.capitalsteel.org/</a>	Trenton	NJ	2013-102Q
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <i>Formerly Foster Precise Structural Products (FOSPR).</i> PA Bridge Barrier Railing	<a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a>	Georgetown	MA	2010-250Q
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 PA Bridge Barrier Railing	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	Bedford	PA	2008-055Q
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 PA Bridge Barrier Railing	<a href="http://hallindustries.com/">http://hallindustries.com/</a>	Ellwood City	PA	2007-088Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 PA Bridge Barrier Railing	<a href="http://peletwelding.com/">http://peletwelding.com/</a>	Coatesville	PA	2010-015Q
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 PA Bridge Barrier Railing	<a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a>	West Middlesex	PA	2013-012Q
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 PA Bridge Barrier Railing	<a href="http://rgsteel.com/">http://rgsteel.com/</a>	Pulaski	PA	2010-111Q
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 PA Bridge Barrier Railing		Jersey Shore	PA	2006-219Q
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 PA Bridge Barrier Railing	<a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a>	Millvale	PA	2013-133QB



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## Section 1089: PA Bridge Barrier

### 1089.2 PA Bridge Barrier Railing (BC-713M)

Last Revised: 7/9/2015

These plants have been pre-approved to fabricate steel barrier railings as defined by BC 713M (PA Bridge Barrier).

	Product	Name	Plant City	Plant State	Ref. No.
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>				
	PA Bridge Barrier Railing		Girard	OH	2009-019Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1101: Highway Lighting

### 1101 Highway Lighting Poles (Aluminum)

Last Revised: 4/3/2015

Product	Name	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> Highway Lighting Pole Fabricator (Aluminum)	----
HAPCO 15	Hapco/American Flagpole, 26252 Hillman Highway, Abington, VA 24210 <a href="http://hapco.com/">http://hapco.com/</a> Highway Lighting Pole Fabricator (Aluminum)	----
METPL 15	MPL (Metal Pole-Lite, Inc.), 375 & 375B St. Louis, Saint-Jean-Sur-Richelieu, Quebec Canada J3B 1Y4 Highway Lighting Pole Fabricator (Aluminum)	----
P&KTP 15	P&K Tubular Products/Flagpoles, Inc., 95 Gnarled Hollow Road, East Setauket, NY 11733 <a href="http://pktubularproducts.com/">http://pktubularproducts.com/</a> Highway Lighting Pole Fabricator (Aluminum)	----
PHIHA 15	Philips Hadco, 100 Craftway, Littlestown, PA 17340 <a href="http://www.hadco.com/Hadco/home.html">http://www.hadco.com/Hadco/home.html</a> Highway Lighting Pole Fabricator (Aluminum)	----
SCEMC 15	Spring City Electrical Manufacturing Company, Inc., Hall & Main St., P.O. Box 19, Spring City, PA 19475 <a href="http://www.springcity.com/">http://www.springcity.com/</a> Highway Lighting Pole Fabricator (Aluminum)	----
STEV L 15	Sternberg Vintage Lighting, 555 Lawrence Avenue, Roselle, IL 60172 <a href="http://www.sternberglighting.com/www-sternberglighting-com/">http://www.sternberglighting.com/www-sternberglighting-com/</a> Highway Lighting Pole Fabricator (Aluminum)	----
UNIMC 15	Union Metal Corporation, 1432 Maple Avenue, N.E., Canton, OH 44705 <a href="http://www.unionmetal.com/">http://www.unionmetal.com/</a> Highway Lighting Pole Fabricator (Aluminum)	----
VALM1 15 Plant	Valmont Industries, Inc., 7002 N 288th Street, Valley, NE 68064 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Valley, NE 68064 Highway Lighting Pole Fabricator (Aluminum)	----
VALM2 15 Plant	Valmont Industries, Inc., 58027 Charlotte Ave., Elkhart, IN 46517 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Elkhart, IN 46517 Highway Lighting Pole Fabricator (Aluminum)	----



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## Section 1101: Highway Lighting

### 1101 Highway Lighting Poles (Aluminum)

Last Revised: 4/3/2015

Product	Name	Ref. No.
VALM4 15 Plant	Valmont Industries, Inc., 2250 Bombardier, Ste. Julie, Quebec, Canada Ste. Julie, Quebec  Highway Lighting Pole Fabricator (Aluminum)	----

### 1101 Highway Lighting Poles (Cast Iron)

Last Revised: 4/3/2015

Product	Name	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a>  Highway Lighting Pole Fabricator (Cast iron)	----

### 1101 Highway Lighting Poles (Steel)

Last Revised: 4/3/2015

Product	Name	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a>  Highway Lighting Pole Fabricator (Steel)	----
SABIN 15	Sabre Industries/Tubular Structures - PA, 700 Second Street, Ellwood City, PA 16117 <a href="http://www.sabretubularstructures.com/">http://www.sabretubularstructures.com/</a> <i>Formerly Jet Industries (JETIN)</i>  Highway Lighting Pole Fabricator (Steel)	----
STRUS 15	Structures, USA, 333 Peterson Drive, P. O. Box 2281, Elizabethtown, KY 42701 <a href="http://www.structuresofusa.com/">http://www.structuresofusa.com/</a>  Highway Lighting Pole Fabricator (Steel)	----
UNIMC 15	Union Metal Corporation, 1432 Maple Avenue, N.E., Canton, OH 44705 <a href="http://www.unionmetal.com/">http://www.unionmetal.com/</a>  Highway Lighting Pole Fabricator (Steel)	----
VALM1 15 Plant	Valmont Industries, Inc., 7002 N 288th Street, Valley, NE 68064 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Valley, NE 68064  Highway Lighting Pole Fabricator (Steel)	----



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## Section 1101: Highway Lighting

### 1101 Highway Lighting Poles (Steel)

Last Revised: 4/3/2015

	Product	Name	Ref. No.
VALM2 15 Plant	Valmont Industries, Inc., 58027 Charlotte Ave., Elkhart, IN 46517 Elkhart, IN 46517	<a href="http://www.valmont.com/">http://www.valmont.com/</a>	
	Highway Lighting Pole Fabricator (Steel)		----
VALM5 15 Plant	Valmont Industries, Inc., 2551 Valmont Drive, Brenham, TX 77833 Brenham, TX	<a href="http://www.valmont.com/">http://www.valmont.com/</a>	
	Highway Lighting Pole Fabricator (Steel)		----

### 1101.09 Highway Lighting Conduit

Last Revised: 4/3/2015

In lieu of certification, submit catalog cuts or shop drawings to the Engineer for approval, as specified in Publication 408, Section 1101.01.

Refer to the Project Office Manual for material information requirements.

### 1101.10 Highway Lighting Junction Boxes

Last Revised: 4/3/2015

Steel or Cast Iron Junction Boxes and Frames: See Section 605.2(a).

Precast Concrete Junction Boxes: See Section 714.



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## Section 1103: Traffic Signing and Marking

### 1103.02 Extruded Aluminum Channel Signs (Post Mounted Types A and E; and Structure Mounted)

Last Revised: 4/10/2015

Product	Name	COA	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>		
	Fabricated Aluminum Sign Manufacturer		----
DONLN 15	Donlyn Company/Osburn Associates, Inc., P.O. Box 912, Logan, OH 43138 <a href="http://www.osburns.com/">http://www.osburns.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
GARDS 15	Garden State Highway Products, Inc., 1740 East Oak Road, Vineland, NJ 08361 <a href="http://www.gardenstatehwy.com/default.aspx">http://www.gardenstatehwy.com/default.aspx</a>		
	Fabricated Aluminum Sign Manufacturer		----
INSHS 15	Interstate Highway Sign Company, 7415 Lindsey Road, Little Rock, AR 72206		
	Fabricated Aluminum Sign Manufacturer		----
LYLE- 15	Lyle Signs, Inc., 6294 Bury Drive, Eden Prairie, MN 55346 <a href="http://lylesigns.com/">http://lylesigns.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
PROTE 15	Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
ROCAL 15	Rocal, Inc., 3186 CR 550, Frankfort, OH 45628 <a href="http://www.rocal.com/">http://www.rocal.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
STRBK 15	Strongstown's B&K Enterprises, Inc., 260 Route 403 South, P. O. Box 124, Strongstown, PA 15957		
	Fabricated Aluminum Sign Manufacturer		----
TRFSC 15	Trafco Supply Company, 1420 Ford Avenue, Harrisburg, PA 17109		
	Fabricated Aluminum Sign Manufacturer		----

### 1103.02(c) Reflective Sheeting

Last Revised: 4/10/2015



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## Section 1103: Traffic Signing and Marking

### 1103.02(c) Reflective Sheeting

Last Revised: 4/10/2015

Product	Name	COA	Sheeting Type	Colors	Restricted Use	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>					
Reflective Sheeting	3314	RS-1	Type III / Type IV	Orange	Drums	----
Reflective Sheeting	3314	RS-1	Type III / Type IV	Orange	Tubular Markers	----
Reflective Sheeting	3314	RS-1	Type III / Type IV	Orange	Flexible Delineator Posts	----
Reflective Sheeting	334/336	RS-1	Type III / Type IV	White/Orange	Barricades / Panels	----
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
Reflective Sheeting	3340	RS-1	Type VIII	White	Cones	----
Reflective Sheeting	3811-I	RS-1	Type III / Type IV	Yellow	Drums	----
Reflective Sheeting	3811-I	RS-1	Type III / Type IV	Yellow	Tubular Markers	----
Reflective Sheeting	3811-I	RS-1	Type III / Type IV	Yellow	Flexible Delineator Posts	----
Reflective Sheeting	3872	RS-1	Type III	Red		----
Reflective Sheeting	3910	RS-1	Type III / Type IV (reboundable)	White	Drums	----
Reflective Sheeting	3910	RS-1	Type III / Type IV (reboundable)	White	Tubular Markers	----
Reflective Sheeting	3910	RS-1	Type III / Type IV (reboundable)	White	Flexible Delineator Posts	----
Reflective Sheeting	3914	RS-1	Type III / Type IV (reboundable)	Fluorescent Orange	Drums	----
Reflective Sheeting	3914	RS-1	Type III / Type IV (reboundable)	Fluorescent Orange	Tubular Markers	----
Reflective Sheeting	3914	RS-1	Type III / Type IV (reboundable)	Fluorescent Orange	Flexible Delineator Posts	----
Reflective Sheeting	3924	RS-1	Type III / Type IV	Fluorescent Orange	Work Zones and Incidents	1991-311
Reflective Sheeting	3930	RS-1	Type III / Type IV	White		----
Reflective Sheeting	3931	RS-1	Type III / Type IV	Yellow		----
Reflective Sheeting	3935	RS-1	Type III / Type IV	Blue		----
Reflective Sheeting	3937	RS-1	Type III / Type IV	Green		----





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## Section 1103: Traffic Signing and Marking

### 1103.02(c) Reflective Sheeting

Last Revised: 4/10/2015

Product	Name	COA	Sheeting Type	Colors	Restricted Use	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>					
Reflective Sheeting	3981	RS-1	Type IX	Fluorescent Yellow		1999-165Q
Reflective Sheeting	3990	RS-1	Type IX	White		----
Reflective Sheeting	3991	RS-1	Type IX	Yellow		----
Reflective Sheeting	3992	RS-1	Type IX	Red		----
Reflective Sheeting	3995	RS-1	Type IX	Blue		----
Reflective Sheeting	3997	RS-1	Type IX	Green		----
Reflective Sheeting	399OT	RS-1	Type VIII	Translucent White	Internally Illuminated Signs	----
Reflective Sheeting	4081	RS-1	Type XI	Fluorescent Yellow		2010-078QG
Reflective Sheeting	4083	RS-1	Type XI	Fluorescent Yellow Green		2010-078QH
Reflective Sheeting	4084	RS-1	Type XI	Fluorescent Orange	Work Zones and Incidents	2010-078QJ
Reflective Sheeting	4090	RS-1	Type XI	White		2010-078QA
Reflective Sheeting	4091	RS-1	Type XI	Yellow		2010-078QB
Reflective Sheeting	4092	RS-1	Type XI	Red		2010-078QC
Reflective Sheeting	4095	RS-1	Type XI	Blue		2010-078QD
Reflective Sheeting	4097	RS-1	Type XI	Green		2010-078QE
Reflective Sheeting	444/446	RS-1	Type XI	White/Orange		2010-078QK
Reflective Sheeting	RS24	RS-1	Type VI (reboundable)	Fluorescent Orange	Work Zones and Incidents	----



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## Section 1103: Traffic Signing and Marking

### 1103.02(c) Reflective Sheeting

Last Revised: 4/10/2015

Product	Name	COA	Sheeting Type	Colors	Restricted Use	Ref. No.
<b>EVERY 15</b>	Avery Dennison Corporation, 6565 West Howard St., Niles, IL 60714 <a href="http://www.averydennison.com/en/home.html">http://www.averydennison.com/en/home.html</a>					
	Reflective Sheeting	T-11500	RS-6	Type XI	White	2012-081QD
	Reflective Sheeting	T-11501	RS-6	Type XI	Yellow	2012-081QC
	Reflective Sheeting	T-11505	RS-6	Type XI	Blue	2012-081QB
	Reflective Sheeting	T-11507	RS-6	Type XI	Green	2012-081QA
	Reflective Sheeting	T-11508	RS-6	Type XI	Red	2012-081QE
	Reflective Sheeting	T-11513	RS-6	Type XI	Fluorescent Yellow Green	2012-081QG
	Reflective Sheeting	T-6500	RS-6	Type III / Type IV	White	1996-158A
	Reflective Sheeting	T-6501	RS-6	Type III / Type IV	Yellow	1996-158B
	Reflective Sheeting	T-6505	RS-6	Type III / Type IV	Blue	1996-158D
	Reflective Sheeting	T-6507	RS-6	Type III / Type IV	Green	1996-158C
	Reflective Sheeting	T-6508	RS-6	Type III / Type IV	Red	1996-158E
	Reflective Sheeting	T-7500	RS-6	Type VIII	White	2006-214Q
	Reflective Sheeting	T-7511	RS-6	Type VIII	Fluorescent Yellow	2001-115Q
	Reflective Sheeting	T-9500	RS-6	Type IX	White	2009-109Q
	Reflective Sheeting	T-9501	RS-6	Type IX	Yellow	2009-112Q
	Reflective Sheeting	T-9505	RS-6	Type IX	Blue	2009-114Q
	Reflective Sheeting	T-9507	RS-6	Type IX	Green	2009-110Q
	Reflective Sheeting	T-9508	RS-6	Type IX	Red	2009-111Q
	Reflective Sheeting	T-9511	RS-6	Type IX	Fluorescent Yellow	2009-113Q
	Reflective Sheeting	T-9513	RS-6	Type IX	Fluorescent Green	2009-108Q
	Reflective Sheeting	W-11514	RS-6	Type XI	Fluorescent Orange	2012-081QH
	Reflective Sheeting	W-6100	RS-6	Type III	White/Orange	Barricades / Panels 2012-108Q
	Reflective Sheeting	W-6200	RS-6	Type III	White/Orange	Barricades / Panels 1996-158I
	Reflective Sheeting	W-6504	RS-6	Type III / Type IV	Orange	1998-043



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## Section 1103: Traffic Signing and Marking

### 1103.02(c) Reflective Sheeting

Last Revised: 4/10/2015

Product	Name	COA	Sheeting Type	Colors	Restricted Use	Ref. No.
<b>EVERY 15</b>	Avery Dennison Corporation, 6565 West Howard St., Niles, IL 60714 <a href="http://www.averydennison.com/en/home.html">http://www.averydennison.com/en/home.html</a>					
Reflective Sheeting	W-7514	RS-6	Type VIII	Fluorescent Orange		----
Reflective Sheeting	W-9514	RS-6	Type IX	Fluorescent Orange		2009-115Q
Reflective Sheeting	WR-6100	RS-6	Type III (reboundable)	White	Cones	2014-146Q
Reflective Sheeting	WR-6100	RS-6	Type III (reboundable)	White	Drums	2014-146Q
Reflective Sheeting	WR-6100	RS-6	Type III (reboundable)	White	Tubular Markers	2014-146Q
Reflective Sheeting	WR-6104	RS-6	Type III (reboundable)	Orange	Cones	2014-147Q
Reflective Sheeting	WR-6104	RS-6	Type III (reboundable)	Orange	Drums	2014-147Q
Reflective Sheeting	WR-6104	RS-6	Type III (reboundable)	Orange	Tubular Markers	2014-147Q



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## Section 1103: Traffic Signing and Marking

### 1103.02(c) Reflective Sheeting

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Product	Name	COA	Sheeting Type	Colors	Restricted Use	Ref. No.
NIPCA 15	Nippon Carbide Industries USA Inc., 12981 East Florence Avenue, Santa Fe Springs, CA 90670 <a href="http://nikkalite.com/">http://nikkalite.com/</a>					
	Reflective Sheeting	92805	RS-3	Type VIII	Red	----
	Reflective Sheeting	92806	RS-3	Type VIII	Blue	----
	Reflective Sheeting	92808	RS-3	Type VIII	Green	----
	Reflective Sheeting	92847	RS-3	Type VIII	Fluorescent Orange	----
	Reflective Sheeting	94804	RS-3	Type IV	Yellow	2014-041QA
	Reflective Sheeting	94806	RS-3	Type IV	Blue	2014-041QC
	Reflective Sheeting	N504	RS-3	Type III	Yellow	----
	Reflective Sheeting	N506	RS-3	Type III	Blue	----
	Reflective Sheeting	N507	RS-3	Type III	Orange	----
	Reflective Sheeting	N508	RS-3	Type III	Green	----
	Reflective Sheeting	N512	RS-3	Type III	White	----
	Reflective Sheeting	N517	RS-3	Type III	White/Orange	Barricades / Panels ----



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### 1103.02(c) Reflective Sheeting

Last Revised: 4/10/2015

Product	Name	COA	Sheeting Type	Colors	Restricted Use	Ref. No.
ORAAI 15	Orafol Americas Inc., 120 Darling Drive, Avon, CT 06001 <a href="http://www.orafol.com/corp/americas/en/frontpage">http://www.orafol.com/corp/americas/en/frontpage</a> Formerly Reflexite North America (REFLE 15)					
	Reflective Sheeting	5900-010	RSF-2	Type IV	White	2014-155QA
	Reflective Sheeting	5900-020	RSF-2	Type IV	Yellow	2014-155QB
	Reflective Sheeting	5900-030	RSF-2	Type IV	Red	2014-155QC
	Reflective Sheeting	5900-050	RSF-2	Type IV	Blue	2014-155QD
	Reflective Sheeting	5900-060	RSF-2	Type IV	Green	2014-155QE
	Reflective Sheeting	5930-038	RSF-2	Type IV	Fluorescent Orange	2012-143Q
	Reflective Sheeting	C85-1572	RSF-2	Type III (reboundable)	White	1998-003
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
	Reflective Sheeting	C85-1772	RSF-2	Type III (reboundable)	Orange	1998-003
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					
	Reflective Sheeting	D89-1541 AR1000	RSF-2	Type V (reboundable)	White	1996-111
	Reflective Sheeting	D89-1841 AR1000	RSF-2	Type V (reboundable)	Yellow	1996-111
	Reflective Sheeting	Marathon	RSF-2	Type VI	White	2000-184Q
	Reflective Sheeting	Marathon	RSF-2	Type VI	Fluorescent Orange	2000-185Q
	Reflective Sheeting	Super Brite	RSF-2	Type VI	Fluorescent Orange	1997-038
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>					

### 1103.03 Electrically Powered Traffic Signs

Last Revised: 4/10/2015

Product	Name	COA	COA Date	Ref. No.
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## Section 1103: Traffic Signing and Marking

### 1103.03 Electrically Powered Traffic Signs

Last Revised: 4/10/2015

Product	Name	COA	COA Date	Ref. No.	
<b>ALLTS 15</b>	<b>All Traffic Solutions, 204 E. Calder Way, Suite 200, State College, PA 16801 <a href="http://www.alltrafficsolutions.com/">http://www.alltrafficsolutions.com/</a></b>				
	Speed Display Sign	SA18	ATS-004P	12/1/2011	----
	Speed Display Sign	SH12	ATS-001P	12/1/2011	----
	Speed Display Sign	SH15	ATS-002P	12/1/2011	----
	Speed Display Sign	SS12	ATS-003P	12/1/2011	----
<b>APXEN 15</b>	<b>APX Enclosures, Inc., 200 Oregon Street, Mercersburg, PA 17236 <a href="http://apx-enclosures.com/main/index.html">http://apx-enclosures.com/main/index.html</a></b>				
	Internally Illuminated Sign	1-850-000621	APX-001P	10/26/2010	----
<b>CARMH 15</b>	<b>Carmanah Technologies Corporation, 203 Harbour Road Building 4-203, Victoria, BC V9A 3S2 Formerly Spot Devices, Inc. (SPODE 15)</b>				
	School Warning Sign System	R829C	CTC-003P	12/9/2009	----
	School Warning Sign System	SB410	CTC-004P	7/25/2013	----
	Warning Sign System	R247RC	CTC-001P	12/9/2009	----
	Warning Sign System	R820C	CTC-002P	12/9/2009	----
<b>CROAS 15</b>	<b>Cross Alert Systems, Inc., 20 Altieri Way, #3, Warwick, RI 02886 <a href="http://www.crossalert.com/">http://www.crossalert.com/</a></b>				
	Warning Sign System	BP-IN	CAS-002P	5/29/2012	----
	Warning Sign System	BP-IN12	CAS-001P	4/5/2012	----
<b>ELECT 15</b>	<b>Electrotechnics Corporation, 1310 Commerce Street, Marshall, TX 75672 <a href="http://www.elteccorp.com/">http://www.elteccorp.com/</a></b>				
	School Warning Sign System	S891161	ECH-020P	12/7/2011	----
	School Warning Sign System	S891162	ECH-021P	12/7/2011	----
	Warning Sign System	CautionGuard	EHC-018P	2/18/2003	----
	Warning Sign System	S891163	ECH-022P	12/7/2011	----
	Warning Sign System	S891164	ECH-023P	12/7/2011	----
	Warning Sign System	S891165	ECH-024P	12/7/2011	----
	Warning Sign System	S891166	ECH-025P	12/7/2011	----



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## Section 1103: Traffic Signing and Marking

### 1103.03 Electrically Powered Traffic Signs

Last Revised: 4/10/2015

	Product	Name	COA	COA Date	Ref. No.
GENHP 15	General Highway Products, Inc., 878 Sussex Blvd., P. O. Box 596, Broomall, PA 19008 <a href="http://generalhighwayproducts.com/">http://generalhighwayproducts.com/</a>				
	School Warning Sign System	MSRS-101-I	GHP-001P	4/13/1995	----
INFDC 15	Information Display Company, 10950 SW 5th Street, Beaverton, OR 97005 <a href="http://informationdisplay.com/">http://informationdisplay.com/</a>				
	School Warning Sign System	SC-15.FL	IDC-001P	9/27/2013	----
NATSG 15	National Signal, Inc., 2440 Artesia Avenue, Fullerton, CA 92833 <a href="http://www.nationalsignalinc.net/">http://www.nationalsignalinc.net/</a>				
	Blankout Sign	DLED	NSI-002P	10/22/2010	----
	Blankout Sign	NuArt IIRS Series	NSI-001P	9/29/2009	----
NATSS 15	National Sign & Signal Company, 301 S. Armstrong Road, Battle Creek, MI 49037 <a href="http://www.nationalssc.com/">http://www.nationalssc.com/</a>				
	Blankout Sign	48LEDRSA-PA	NSS-007P	3/9/2012	----
	Blankout Sign	E-101-WW Series	NSS-003S	2/26/1976	----
	Blankout Sign	E-101-WW-1	NSS-001S	12/6/1974	----
	Blankout Sign	FO-BO	NSS-006S	10/6/1987	----
	Blankout Sign	SF-107-2 Series	NSS-002S	12/18/1974	----
	Fire Warning Sign	FIRE SIGN	NSS-004S	9/26/1977	----
	Internally Illuminated Sign	FSF Series	NSS-008P	6/5/2012	----
PATH- 15	Path Master, Inc., 1960 Midway Drive, P.O. Box 451, Twinsburg, OH 44087 <a href="https://www.pathmasterinc.com/">https://www.pathmasterinc.com/</a>				
	School Warning Sign System	QFA Series	PHM-003P	11/15/2010	----
RTC-M 15	RTC Manufacturing Inc., P. O. Box 150189, Arlington, TX 76015 <a href="http://www.rtc-traffic.com/">http://www.rtc-traffic.com/</a>				
	Fire Warning Sign	FIRE	RTC-003P	8/27/1996	----
SIGNS 15	Signal Service Inc., 1020 Andrew Drive, West Chester, PA 19380				
	School Warning Sign System	SWD-1	SSI-005S	1/9/1989	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1103: Traffic Signing and Marking

### 1103.03 Electrically Powered Traffic Signs

Last Revised: 4/10/2015

Product	Name	COA	COA Date	Ref. No.
<b>SIGP2 15</b>	<b>Signal Control Products, Inc., 737 Hagey Center Drive, Unit B1, Souderton, PA 18964 <a href="http://www.signalcontrol.com/">http://www.signalcontrol.com/</a></b>			
School Warning Sign System	School Speed Limit Sign	SCP-004P	2/17/2010	----
<b>SOUMC 15</b>	<b>Southern Manufacturing Company, 501 Herndon Ave., Orlando, FL 32803 <a href="http://southernmfg.com/">http://southernmfg.com/</a></b>			
Internally Illuminated Sign	FF-1.1	SMC-001P	2/14/1994	----
Internally Illuminated Sign	FF-1.1S680022120	SMC-002P	2/14/1994	----
<b>TRACP 15</b>	<b>Traffic Control Products, Inc., 4565 Glenbrook Road, Willoughby, OH 44094 <a href="http://www.traffcon.com/">http://www.traffcon.com/</a></b>			
School Warning Sign System	3654PASOP	TCP-001P	1/18/2002	----
School Warning Sign System	SSA-PA-II	TCP-003P	7/8/2011	----
<b>TRASI 15</b>	<b>Traffic Signs, Inc., 1499 East Michigan Avenue, Battle Creek, MI 49014 <a href="http://www.trafficsignsinc.com/Site/Home.html">http://www.trafficsignsinc.com/Site/Home.html</a></b>			
Blankout Sign	6000-FOBO	TSI-001P	5/22/2002	----
Blankout Sign	6000-LED BO	TSI-004P	10/5/2010	----
Internally Illuminated Sign	6000-CASE	TSI-002P	12/20/2002	----
Internally Illuminated Sign	6000-LED II	TSI-005P	10/5/2010	----
Internally Illuminated Sign	6000-SNS	TSI-003P	12/20/2002	----
<b>TRAST 15</b>	<b>TraStar, Inc., 860 N. Dorothy Dr. Suite 600, Richardson, TX 75081 <a href="http://www.trastarusa.com/">http://www.trastarusa.com/</a></b>			
Internally Illuminated Sign	JXM-STN	TRA-030P	11/23/2010	----
<b>WELSM 15</b>	<b>Wells Sign Manufacturing, Inc., 109 Brothers Road, Woodland, WA 98674</b>			
Blankout Sign	BO	WEL-001P	10/10/1992	----
Internally Illuminated Sign	II	WEL-003P	10/10/1992	----

### 1103.03 Flat Sheet Aluminum Signs with Stiffeners (Post Mounted Types A, D, and E; and Structure Mounted)

Last Revised: 4/10/2015

Product	Name	COA	Ref. No.
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## Section 1103: Traffic Signing and Marking

### 1103.03 Flat Sheet Aluminum Signs with Stiffeners (Post Mounted Types A, D, and E; and Structure Mounted)

Last Revised: 4/10/2015

Product	Name	COA	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>		
	Fabricated Aluminum Sign Manufacturer		-
	Fabricated Aluminum Sign Manufacturer		----
DONLN 15	Donlyn Company/Osburn Associates, Inc., P.O. Box 912, Logan, OH 43138 <a href="http://www.osburns.com/">http://www.osburns.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
GARDS 15	Garden State Highway Products, Inc., 1740 East Oak Road, Vineland, NJ 08361 <a href="http://www.gardenstatehwy.com/default.aspx">http://www.gardenstatehwy.com/default.aspx</a>		
	Fabricated Aluminum Sign Manufacturer		----
INSHS 15	Interstate Highway Sign Company, 7415 Lindsey Road, Little Rock, AR 72206		
	Fabricated Aluminum Sign Manufacturer		----
LYLE- 15	Lyle Signs, Inc., 6294 Bury Drive, Eden Prairie, MN 55346 <a href="http://lylesigns.com/">http://lylesigns.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
PROTE 15	Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
ROCAL 15	Rocal, Inc., 3186 CR 550, Frankfort, OH 45628 <a href="http://www.rocal.com/">http://www.rocal.com/</a>		
	Fabricated Aluminum Sign Manufacturer		----
STRBK 15	Strongstown's B&K Enterprises, Inc., 260 Route 403 South, P. O. Box 124, Strongstown, PA 15957		
	Fabricated Aluminum Sign Manufacturer		----
TRFSC 15	Trafco Supply Company, 1420 Ford Avenue, Harrisburg, PA 17109		
	Fabricated Aluminum Sign Manufacturer		----

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

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Signs shall be manufactured from aluminum sign blanks in accordance with Publication 236 and appropriate specs., unless otherwise indicated. Other Department approved substrates include, but are not limited to: plywood, fiberglass, steel, and plastic. Plywood substrate shall be indicated with a (P). Fiberglass substrate shall be indicated with a (F).

Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a> Sign Manufacturer	PDT 110-68	Cut Out Characters and Silk Screen		----
ACESI 15	Ace of Signs, 500 Airport Road, Selinsgrove, PA 17870 <a href="http://www.aceofsigns.com/">http://www.aceofsigns.com/</a> Sign Manufacturer	PDT 1870-04			----
AMEFT 15	American Fiber Technologies, 500 Bostwick Avenue, Bridgeport, CT 06605 <a href="https://www.frpsigns.com/">https://www.frpsigns.com/</a> Sign Manufacturer	PDT 2040-11		Only faces manufactured by 3M, PDT 110-68	----
ASSPR 15	Associated Products Company, 2 East Road, Mechanicsburg, PA 17050 <a href="http://www.associated-products.com/">http://www.associated-products.com/</a> Sign Manufacturer	PDT 820-78	Cut Out Characters	Black on Orange Construction Series Only	----
ATLAS 15	Atlas Flasher & Supply Company, 2949 Felton Road, Norristown, PA 19401 <a href="http://www.atlasflasher.com/">http://www.atlasflasher.com/</a> Sign Manufacturer	PDT 1100-84			----
BLAIR 15	Blair Excavating Company Inc., R. R. #5, Box 308A, Tyrone, PA 16686 Sign Manufacturer	PDT 1400-91			----
BONE- 15	Bone Safety Signs, Inc., 2151 Northwest Parkway, S.E., Suite 100, Marietta, GA 30067 <a href="http://www.bonesafety.com/">http://www.bonesafety.com/</a> Sign Manufacturer	PDT 1320-89	Silk Screen		----



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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
BRADC 15	Bradco Supply Company, 80 Old Mills Rd., Towanda, PA 18848 <a href="http://www.bradcosupplycompany.com/default.htm">http://www.bradcosupplycompany.com/default.htm</a>				
	Sign Manufacturer	PDT 270-68	Cut Out Characters and Silk Screen		----
CAMSC 15	Camsco Services, Inc., 255 Pennbriar Drive, Erie, PA 16509 <a href="https://camsco.com/public/home.html">https://camsco.com/public/home.html</a>				
	Sign Manufacturer	PDT 1750-01	Cut Out Characters		----
CASSI 15	Cassidy Signs, 7 Cassidy Drive, Burgettstown, PA 15021				
	Sign Manufacturer	PDT 2050-11	Cut Out Characters		----
CENTS 15	Keystone Sign Systems DBA Central Sign Systems, 5215 Simpson Ferry Road, Mechanicsburg, PA 17050				
	Sign Manufacturer	PDT 1560-95	Cut Out Characters and Silk Screen		----
CLARS 15	Clarion Signs, 255 Whisner Road, Shippenville, PA 16254 <a href="http://www.clarionsafety.com/">http://www.clarionsafety.com/</a>				
	Sign Manufacturer	PDT 1690-99			----
COMSG 15	Compusign & Graphic, 1295 Baltimore Pike, Toughkenamon, PA 19374-0271 <a href="http://compusign.com/">http://compusign.com/</a>				
	Sign Manufacturer	PDT 1820-03	Cut Out Characters and Silk Screen		----
CORCG 15	Corson Custom Graphics, 53 Corson Lane, Canonsburg, PA 15317				
	Sign Manufacturer	PDT 1850-04	Cut Out Characters and Silk Screen		----



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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
CORRE 15	Correctional Industries Sign Shop, State Correctional Institute - Fayette, 50 Overlook Drive, Labelle, PA 15450 Sign Manufacturer	PDT 1730-01	Cut Out Characters and Silk Screen		----
COSDS 15	C.O. Signs & Designs, Inc., 10125 Route 56, Box B, Homer City, PA 15748 Sign Manufacturer	PDT 1770-02	Cut Out Characters and Silk Screen		----
CUSTP 15	Custom Products Corporation, P.O. Box 54091, Jackson, MS 39288-4091 <a href="http://www.customproducts.net/">http://www.customproducts.net/</a> Sign Manufacturer	PDT 1790-02	Silk Screen		----
D&DLE 15	D & D Leasing, LLC, 1621 Middle Road, Gibsonia, PA 15044 Sign Manufacturer	PDT 1550-95	Cut Out Characters and Silk Screen		----
DAYCS 15	Dayton Computer & Sign, Inc., 107 N. School Street, Apt. 3, P. O. Box 616, Dayton, PA 16222 Sign Manufacturer	PDT 1890-05	Cut Out Characters		----
DECAL 15	Decal Driven.com, Box 108, Walston, PA 15781 Sign Manufacturer	PDT 1880-04	Cut Out Characters		----
DECKR 15	Decker Supply Company, Inc., 1115 O'Neill Avenue, Madison, WI 53704 <a href="http://deckersupply.com/">http://deckersupply.com/</a> Sign Manufacturer	PDT 1010-81	Cut Out Characters and Silk Screen		----
DICKE 15	Dicke Tool Company, 1201 Warren Avenue, Downers Grove, IL 60515 <a href="http://dicketool.com/">http://dicketool.com/</a> Sign Manufacturer	PDT 750-76	Silk Screen		----



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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
DONLN 15	Donlyn Company/Osburn Associates, Inc., P.O. Box 912, Logan, OH 43138 <a href="http://www.osburns.com/">http://www.osburns.com/</a> Sign Manufacturer	PDT 1760-01	Cut Out Characters and Silk Screen		----
EASTM 15	Eastern Metal of Elmira, 1430 Sullivan Street, Elmira, NY 14901 <a href="http://www.usa-sign.com/">http://www.usa-sign.com/</a> Sign Manufacturer	PDT 020-68	Cut Out Characters and Silk Screen		----
	Sign Manufacturer	PDT 021-75	Cut Out Characters and Silk Screen		----
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a> Sign Manufacturer	PDT 610-74	Silk Screen		----
ESTTC 15	Established Traffic Control, Inc., 3162 Unionville Pike, Hatfield, PA 19440 Sign Manufacturer	PDT 1910-06	Cut Out Characters		----
FISTC 15	C. R. Fisher Traffic Control, LLC, 10176 Chapel Church Road, Red Lion, PA 17356 Sign Manufacturer	PDT 1830-04			----
GARDS 15	Garden State Highway Products, Inc., 1740 East Oak Road, Vineland, NJ 08361 <a href="http://www.gardenstatehwy.com/default.aspx">http://www.gardenstatehwy.com/default.aspx</a> Sign Manufacturer	PDT 1300-88	Cut Out Characters and Silk Screen		----
GEMML 15	D.E. Gemmill, Inc., 10174 Chapel Church Road, Red Lion, PA 17356 <a href="http://degemmill.com/">http://degemmill.com/</a> Sign Manufacturer	PDT 1720-01	Cut Out Characters		----



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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
GRACI 15	Graphix City, 1760 Hancock Road, Homer City, PA 15748 Sign Manufacturer	PDT 1930-06		Manufactured by Lyle Signs Only	----
GRIFN 15	Griffin Sign Company, 464 North Randolph Ave., Cinnaminson, NJ 08077 <a href="http://www.griffinhighway.com/index.php">http://www.griffinhighway.com/index.php</a> Sign Manufacturer	PDT 680-75	Cut Out Characters and Silk Screen		----
GRIMC 15	Grimco, Inc., 1585 Fencorp Drive, Fenton, MO 63026 <a href="http://www.grimco.com/">http://www.grimco.com/</a> Sign Manufacturer	PDT 290-69	Silk Screen		----
HALLS 15	Hall Signs, Inc., 4495 West Vernel Pike, P.O. Box 515, Bloomington, IN 47402 <a href="http://store.hallsigns.com/">http://store.hallsigns.com/</a> Sign Manufacturer	PDT 560-73			----
HIWA1 15	Highway Technologies, Inc., 404 Cedar Ave., Richmond, NJ 08350 <a href="http://www.hwy-tech.com">www.hwy-tech.com</a> Sign Manufacturer	PDT 1480-94	Cut Out Characters		----
HIWSS 15	Hi-Way Safety Systems, Inc., 9 Rockview Way, Rockland, MA 02370 <a href="http://www.hiwayss.com/concrete5.4.2.2/index.php">http://www.hiwayss.com/concrete5.4.2.2/index.php</a> Sign Manufacturer	PDT 1860-04	Cut Out Characters		----
IBITK 15	Ibis Tek, LLC, 496 Pittsburgh Road, Butler, PA 16002 <a href="http://www.ibistek.com/">http://www.ibistek.com/</a> Sign Manufacturer	PDT 2010-08	Silk Screen	Street Name Signs D 3-1	----
IMAGE 15	Image Signs Inc., 1720 B. Margaret Ave., Altoona, PA 16601 <a href="http://imagesignsinc.com/">http://imagesignsinc.com/</a> Sign Manufacturer	PDT 1460-93			----



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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
IMPRS 15	Impact Recovery Systems, Inc., 4955 Stout Drive, San Antonio, TX 78219 <a href="http://www.impactrecovery.com/">http://www.impactrecovery.com/</a> Sign Manufacturer	PDT 1810-03	Silk Screen		----
INSHS 15	Interstate Highway Sign Company, 7415 Lindsey Road, Little Rock, AR 72206 Sign Manufacturer	PDT 670-75	Cut Out Characters and Silk Screen		----
JLSCR 15	J. L. Screen Printing, Rt.#31, P.O. Box 324, Ruffs Dale, PA 15697 <a href="http://www.jlscreen.com/">http://www.jlscreen.com/</a> Sign Manufacturer	PDT 1140-84	Cut Out Characters and Silk Screen		----
KAGSW 15	KAG Signworks, 444 Saint Clair Ave., Clairton, PA 15025 Sign Manufacturer	PDT 030-68	Cut Out Characters and Silk Screen		----
KEMGR 15	Kemmerer Graphics, 6169 Sullivan Trail, Nazareth, PA 18064 Sign Manufacturer	PDT 2000-08	Cut Out Characters		----
KORMN 15	Korman Signs, Inc., 3029 Lincoln Ave., Henrico, VA 23228 <a href="http://www.kormansigns.com/">http://www.kormansigns.com/</a> Sign Manufacturer	PDT 1050-82	Silk Screen		----
KRIEG 15	Daniel B. Krieg, Inc., 4200 Paxton Street, Harrisburg, PA 17111 <a href="http://www.dbkrieginc.com/">http://www.dbkrieginc.com/</a> Sign Manufacturer	PDT 1470-93	Cut Out Characters		----
LETIN 15	Letterco, Inc., 1069 County Line Road, Souderton, PA 18964 <a href="http://www.letterco.com/">http://www.letterco.com/</a> Sign Manufacturer	PDT 1220-86	Cut Out Characters		----



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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
LYLE- 15	Lyle Signs, Inc., 6294 Bury Drive, Eden Prairie, MN 55346 <a href="http://lylesigns.com/">http://lylesigns.com/</a> Sign Manufacturer	PDT 260-68	Cut Out Characters and Silk Screen		----
MAISI 15	Main Stream Industries, Inc., 7340 Bernville Road, Bernville, PA 19506 Sign Manufacturer	PDT 1840-04	Cut Out Characters		----
MARKE 15	Marketing Displays, Inc., 38271 West 12 Mile Road, Farmington, MI 48331 <a href="https://www.mdiworldwide.com/">https://www.mdiworldwide.com/</a> Sign Manufacturer	PDT 1160-85	Silk Screen	Flexible Retroreflective Signs Only	----
MILLS 15	Miller Municipal Supply, A Division of E.J. Breneman L.P., 1117 Snyder Road, West Lawn, PA 19609 <a href="http://www.ejbreneman.com/Miller-Municipal-Supply.html">http://www.ejbreneman.com/Miller-Municipal-Supply.html</a> Sign Manufacturer	PDT 1180-85	Cut Out Characters and Silk Screen		----
MUNSS 15	Municipal Signs & Sales, 1219 Mccloskey Road, Columbiana, OH 44408 Sign Manufacturer	PDT 1130-84	Cut Out Characters and Silk Screen		----
NATSC 15	National Sign Company, Inc., P. O. Box 25, Ottawa, KS 66067 Sign Manufacturer	PDT 940-80	Cut Out Characters and Silk Screen		----
NEWMA 15	Newman Signs, Inc., Business Loop West, P. O. Box 1728, Jamestown, ND 58401 <a href="http://www.newmansigns.com/">http://www.newmansigns.com/</a> Sign Manufacturer	PDT 930-80	Cut Out Characters and Silk Screen		----





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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
NISSL 15	Andrew W. Nissly, Inc., 544 W. Mill Ave., P.O. Box 633, Lancaster, PA 17608 Sign Manufacturer	PDT 230-68	Cut Out Characters and Silk Screen		----
OSBAI 15	Osburn Associates Inc., 11931 St Rt 93 N, P.O. Box 912, Logan, OH 43138 <a href="http://www.osburns.com/">http://www.osburns.com/</a> Sign Manufacturer	PDT 1760-01	Cut Out Characters and Silk Screen		----
PADER 15	Penn Nursery @ Wood Shop, DCNR Bureau Of Forestry, 137 Penn Nursery Road, Spring Mills, PA 16875 <a href="http://dcnr.state.pa.us/forestry/stateforests/pennnursery/index.htm">http://dcnr.state.pa.us/forestry/stateforests/pennnursery/index.htm</a> Sign Manufacturer	PDT 1150-85	Cut Out Characters and Silk Screen		----
PALMR 15	Palmer Products Company Inc., 2808 Broadway Blvd., Monroeville, PA 15146 <a href="http://www.palmerproducts.com/">http://www.palmerproducts.com/</a> Sign Manufacturer	PDT 500-72	Silk Screen		----
PEXCO 15	Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a> Sign Manufacturer	PDT 1780-02		Yield to Pedestrian Signs and Barricade Rails Only	----
POCDW 15	Pocono Digital Woodshop, 105 Marion Ct., Shohola, PA 18458 <a href="http://poconodigitalwoodshop.com/">http://poconodigitalwoodshop.com/</a> Sign Manufacturer <i>May manufacture and sell only signs made using prepared faces from Grimco Inc., PDT 290-69.</i>	PDT 1990-08			----



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### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
POWCC 15	Power Contracting Company, 61 Arch Street Ext., Suite 201, Carnegie, PA 15106 <a href="http://powercontractingllc.com/">http://powercontractingllc.com/</a> Sign Manufacturer	PDT 2020-09	Cut Out Characters		----
POWEL 15	Powell Engineering Contractors Inc., P. O. Box 4100, Reading, PA 19606 Sign Manufacturer	PDT 1420-92			----
PROTE 15	Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a> Sign Manufacturer	PDT 060-68	Cut Out Characters and Silk Screen		----
RAELY 15	Rae-Lyn Enterprises, Inc., P.O. Box 50, Spring Church, PA 15686 <a href="http://www.raelynterprises.com/">http://www.raelynterprises.com/</a> Sign Manufacturer	PDT 1900-05	Cut Out Characters and Silk Screen		----
RAPGM 15	Greggory M. Rapp, 326 E. Broad St. Apt. 1R, Bethlehem, PA 18018 Sign Manufacturer	PDT 1970-08	Cut Out Characters		----
RAPSI 15	Rapp Signs, Inc, 3979 Ny Route 206, Greene, NY 13778 <a href="http://rappsigns.com/">http://rappsigns.com/</a> Sign Manufacturer <i>May manufacture and sell only signs made using prepared faces from Eastern Metal of Elmira Inc., PDT 021-75.</i>	PDT 2030-09			----
REIDL 15	Reidler Decal Corporation, 264 Industrial Park Road, St. Clair, PA 17970 <a href="http://www.reidlerdecal.com/">http://www.reidlerdecal.com/</a> Sign Manufacturer Sign Manufacturer	PDT 340-69 PDT 349-75	Silk Screen Silk Screen		---- ----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

All listed manufacturers are approved to make signs using prepared faces.

Signs shall be manufactured from aluminum sign blanks in accordance with Publication 236 and appropriate specs., unless otherwise indicated. Other Department approved substrates include, but are not limited to: plywood, fiberglass, steel, and plastic. Plywood substrate shall be indicated with a (P). Fiberglass substrate shall be indicated with a (F).

Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
RELSS 15	Reliable Sign & Striping Inc., 354 W. Moorestown Road, Nazareth, PA 18064 <a href="http://www.reliable-sign.com/">http://www.reliable-sign.com/</a> Sign Manufacturer	PDT 1650-97	Cut Out Characters and Silk Screen		----
ROCAL 15	Rocal, Inc., 3186 CR 550, Frankfort, OH 45628 <a href="http://www.rocal.com/">http://www.rocal.com/</a> Sign Manufacturer	PDT 1030-82	Cut Out Characters and Silk Screen		----
S&SSS 15	S & S Signs And Safety Equipment, Inc., P. O. Box 102, Big Flats, NY 14814 <a href="http://signssafety.com/">http://signssafety.com/</a> Sign Manufacturer	PDT 1530-95	Cut Out Characters and Silk Screen	Flexible Material, C-II and Non-Reflective	----
SAFSG 15	Safety Sign Company, P. O. Box 360500, Cleveland, OH 44136 <a href="http://safetysignco.com/">http://safetysignco.com/</a> Sign Manufacturer	PDT 1060-82	Cut Out Characters and Silk Screen		----
SAFTS 15	Signs Plus of Kanona, Inc., 7964 N.Y.S. Rt. 53, Bath, NY 14810 <a href="http://signsplusofkanona.com/">http://signsplusofkanona.com/</a> Sign Manufacturer	PDT 1380-91	Cut Out Characters, Silk Screen, Borders		----
SELEC 15	Selecto-Flash Safety, Inc., 14 Village Park Road, Cedar Grove, NJ 07009 <a href="http://www.safteyequipmentlongisland.com/">http://www.safteyequipmentlongisland.com/</a> Sign Manufacturer	PDT 1660-97	Cut Out Characters and Silk Screen		----
SHANN 15	Shannon-Baum Signs, Inc., 105 Competitive Goals Drive, Eldersburg, MD 21784 <a href="http://www.shannonbaum.com/">http://www.shannonbaum.com/</a> Sign Manufacturer	PDT 950-80	Cut Out Characters and Silk Screen		----



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Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
SHASG 15	Sharp Signs & Graphics, 202 S. 6th Street, Emmaus, PA 18049 <a href="http://sharpsng.com/">http://sharpsng.com/</a> Sign Manufacturer	PDT 2060-12	Cut Out Characters		----
SI&BL 15	Signs & Blanks, Inc., P.O. Box 2234, Cleveland, OH 44309-2234 Sign Manufacturer	PDT 1520-95	Cut Out Characters and Silk Screen		----
SIGUC 15	Sign-Up Corporation, P. O. Box 14624, Portland, OR 97293 <a href="http://signupcorp.com/moved.asp">http://signupcorp.com/moved.asp</a> Sign Manufacturer	PDT 1370-91	Silk Screen	Flexible Roll-up Type	----
STRBK 15	Strongstown's B&K Enterprises, Inc., 260 Route 403 South, P. O. Box 124, Strongstown, PA 15957 Sign Manufacturer	PDT 1040-82	Cut Out Characters and Silk Screen		----
SULCO 15	Sullivan County COG, P.O. Box 239, Dushore, PA 18614 <a href="http://sullivancountycog.com/">http://sullivancountycog.com/</a> Sign Manufacturer	PDT 1980-08	Cut Out Characters	Street Name Signs D 3-1	----
T&W-T 15	T & W Traffic Control, 1505 Rohrerstown Road, Lancaster, PA 17601 <a href="http://www.twtrafficcontrol.com/">http://www.twtrafficcontrol.com/</a> Sign Manufacturer	PDT 1280-88	Cut Out Characters and Silk Screen		----
TAPCO 15	Traffic & Parking Control DBA TAPCO, 5100 West Brown Deer Road, Brown Deer, WI 53223 <a href="http://www.tapconet.com/">http://www.tapconet.com/</a> Sign Manufacturer	PDT 1940-07	Silk Screen		----



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## Section 1103: Traffic Signing and Marking

### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

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Signs shall be manufactured from aluminum sign blanks in accordance with Publication 236 and appropriate specs., unless otherwise indicated. Other Department approved substrates include, but are not limited to: plywood, fiberglass, steel, and plastic. Plywood substrate shall be indicated with a (P). Fiberglass substrate shall be indicated with a (F).

Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
TRFSS 15	Traffic & Safety Signs, Inc., 703 Terminal Way, Kennett Square, PA 19348 Sign Manufacturer	PDT 1230-86	Cut Out Characters and Silk Screen		----
TRFXD 15	TraFFix Devices, Inc., 160 Avenida La Pata, San Clemente, CA 92673 <a href="http://www.traffixdevices.com/">http://www.traffixdevices.com/</a> Sign Manufacturer	PDT 1390-91	Silk Screen		----
TRSSR 15	Traffic Services Sales & Rentals, Inc., 1128 North Graham Street, Allentown, PA 18109 <a href="http://trafficservicesalesandrental.com/">http://trafficservicesalesandrental.com/</a> Sign Manufacturer	PDT 850-79	Cut Out Characters and Silk Screen		----
UNISO 15	UniqueSource, 1007 North Front Street, Harrisburg, PA 17110 <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a> <i>Formerly PIBH- 15.</i> Sign Manufacturer	PDT 1300-89	Cut Out Characters and Silk Screen		----
USMUS 15	U. S. Municipal Supply, Inc., P. O. Box 574, Huntingdon, PA 16652 Sign Manufacturer	PDT 210-68	Cut Out Characters and Silk Screen		----
USSSC 15	U. S. Standard Sign Company, 11400 West Addison St., Franklin Park, IL 60131 <a href="http://www.usstandardsign.com/index.html">http://www.usstandardsign.com/index.html</a> Sign Manufacturer	PDT 770-76	Cut Out Characters and Silk Screen		----
VICSI 15	Victory Signs, 119 Fire Academy Road, Homer City, PA 15748 Sign Manufacturer	PDT 1950-07	Cut Out Characters and Silk Screen		----



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### 1103.04 Flat Sheet Signs (Post Mounted Types B, C and F; and Distance Markers)

Last Revised: 4/10/2015

All listed manufacturers are approved to make signs using prepared faces.

Signs shall be manufactured from aluminum sign blanks in accordance with Publication 236 and appropriate specs., unless otherwise indicated. Other Department approved substrates include, but are not limited to: plywood, fiberglass, steel, and plastic. Plywood substrate shall be indicated with a (P). Fiberglass substrate shall be indicated with a (F).

Product	Name	COA	Sign Special Approvals	Sign Manufacturer Restrictions	Ref. No.
VINGU 15	Vinyl Graphics Unlimited, 9912 Route 322, Shipperville, PA 16254 <a href="http://www.vinylgraphicsunlimited.com/">http://www.vinylgraphicsunlimited.com/</a> Sign Manufacturer	PDT 1700-00	Cut Out Characters		----
VITSI 15	Vital Signs, 1915 Park Manor Blvd., Pittsburgh, PA 15205 <a href="http://www.vitalsigns.us.com/">http://www.vitalsigns.us.com/</a> Sign Manufacturer	PDT 1960-07	Cut Out Characters and Silk Screen		----
VULSS 15	Vulcan Signs, 408 E. Berry Avenue, P. O. Box 1850, Foley, AL 36536-1850 <a href="http://www.vulcaninc.com/?p=vulcan_signs">http://www.vulcaninc.com/?p=vulcan_signs</a> Sign Manufacturer	PDT 570-73	Cut Out Characters and Silk Screen		----
WALSH 15	Walsh Equipment, Inc., 796 Unionville Rd., Prospect, PA 16052 Sign Manufacturer	PDT 460-70	Cut Out Characters		----
WEIGL 15	H. A. Weigand, Inc., 1409 State Road, Phoenixville, PA 19460 <a href="http://weigandsigns.com/">http://weigandsigns.com/</a> Sign Manufacturer	PDT 740-76	Cut Out Characters and Silk Screen		----
WHELA 15	J.S. Whelan Co., Inc., 13810 Route 30, North Huntingdon, PA 15642 Sign Manufacturer	PDT 400-70	Cut Out Characters and Silk Screen		----
WKZSS 15	Work Zone Safety Specialists Inc., 1764 Columbia Turnpike, Castleton, NY 12033 Sign Manufacturer	PDT 1740-01	Cut Out Characters		----

### 1103.07(a) Steel S or W Beam Posts (For Post Mounted Signs, Type A)

Last Revised: 4/10/2015



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## Section 1103: Traffic Signing and Marking

### 1103.07(a) Steel S or W Beam Posts (For Post Mounted Signs, Type A)

Last Revised: 4/10/2015

Mill Certification meeting the standard or contract specifications is required. No listings are required in Bulletin 15.

Steel Products Procurement Act Applies.

### 1103.07(b) Breakaway Systems (For Post Mounted Signs, Type A)

Last Revised: 4/10/2015

Steel Products Procurement Act Applies.

Product	Name	COA	Ref. No.
TRASA 15	Transpo Industries, Inc., 20 Jones Street, New Rochelle, NY 10801 <a href="http://www.transpo.com/">http://www.transpo.com/</a> Breakaway System (For Post Mount Sign, Type A)	Type I	----

### 1103.08(a) Steel Channel Bar Posts (For Post Mounted Signs, Type B; and Distance Markers)

Last Revised: 4/10/2015

Steel Products Procurement Act Applies.

Product	Name	COA	Post Size	Posts Per 7' Path	Breakaway System	Ref. No.
CHHS 15	Chicago Heights Steel, 211 E. Main Street, Chicago Heights, IL 60411 <a href="http://chs.com/">http://chs.com/</a>					
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-4	4 lb/ft (5.94kg/m) or less	3	Bracer Bar System	----
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-4	4 lb/ft (5.94kg/m) or less	2	Erect Ease System	----
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-4	4 lb/ft (5.94kg/m) or less	3	Universal Spacer	----
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-4	1.12 lb/ft (1.66kg/m)		Multiple Sign Mounting Stringers	----



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## Section 1103: Traffic Signing and Marking

### 1103.08(a) Steel Channel Bar Posts (For Post Mounted Signs, Type B; and Distance Markers)

Last Revised: 4/10/2015

Steel Products Procurement Act Applies.

Product	Name	COA	Post Size	Posts Per 7' Path	Breakaway System	Ref. No.
<b>FRANK 15</b>	<b>Franklin Industries, 645 Atlantic Ave., Franklin, PA 16323 <a href="http://franklinindustriesco.com/">http://franklinindustriesco.com/</a></b>					
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-3	4 lb/ft (5.94kg/m) or less	2	EZE-Erect System	----
	<i>Must match the same configuration as tested and approved by FHWA, as shown in Publication 111.</i>					
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-3	4 lb/ft (5.94kg/m) or less	3	Base Bolted System	----
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-3	4 lb/ft (5.94kg/m) or less	3	Universal Spacer	----
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-3	1.12 lb/ft (1.66kg/m)		Multiple Sign Mounting Stringers	----
<b>NUCR6 15</b>	<b>Nucor Steel Marion, Inc., 912 Cheney Ave., Marion, OH 43302 <a href="http://www.nucor.com/">http://www.nucor.com/</a></b>					
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-1	1.12 lb/ft (1.66kg/m) or less		Multiple Sign Mounting Stringers	----
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-1	3 lb/ft (4.46kg/m) or less	1	Minute Man System	1992-153
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-1	4 lb/ft (5.94kg/m) or less	3	Lap Splice System	1992-153
	Steel Channel Bar Post (For Post Mount Sign, Type B)	SP-1	4 lb/ft (5.94kg/m) or less	3	Universal Spacer	1992-153

### 1103.08(b) Steel Square Posts (For Post Mounted Signs, Type B; and Distance Markers)

Last Revised: 4/10/2015

Signing Standard 77-02B Applies.

Steel Products Procurement Act Applies.

Product	Name	COA	Gauge	Size (in)	Ref. No.
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## Section 1103: Traffic Signing and Marking

### 1103.08(b) Steel Square Posts (For Post Mounted Signs, Type B; and Distance Markers)

Last Revised: 4/10/2015

Signing Standard 77-02B Applies.

Steel Products Procurement Act Applies.

Product	Name	COA	Gauge	Size (in)	Ref. No.
ALLTC 15	Allied Tube & Conduit Corporation, 16100 South Lathrop Ave., Harvey, IL 60426 <a href="http://www.alliedeg.us/">http://www.alliedeg.us/</a>				
Steel Square Posts (For Post Mount Sign, Type B)	18" Sleeve		12 ga (33 ksi)	2", 2.25", 2.5"	1994-136B
Steel Square Posts (For Post Mount Sign, Type B)	18" Sleeve		3/16" (33 ksi)	3"	1994-136B
<i>Use 18" anchor stiffener sleeves with each Department-installed post system. No dual post approval.</i>					
Steel Square Posts (For Post Mount Sign, Type B)	18" Sleeve		12 ga (60 ksi)	2", 2.25", 2.5"	1994-136B
Steel Square Posts (For Post Mount Sign, Type B)	36" Anchor Post		12 ga (33 ksi)	1.75", 2", 2.25", 2.5"	1994-136B
<i>Use 18" anchor stiffener sleeves with each Department-installed post system. No dual post approval.</i>					
Steel Square Posts (For Post Mount Sign, Type B)	36" Anchor Post		3/16" (33 ksi)	3"	1994-136B
<i>Use 18" anchor stiffener sleeves with each Department-installed post system. No dual post approval.</i>					
Steel Square Posts (For Post Mount Sign, Type B)	36" Anchor Post		12 ga (60 ksi)	1.75", 2", 2.25"	1994-136B
Steel Square Posts (For Post Mount Sign, Type B)	Sign Posts		12 ga (33 ksi)	1.5", 1.75", 2", 2.25"	1994-136A
<i>Use 18" anchor stiffener sleeves with each Department-installed post system. No dual post approval.</i>					
Steel Square Posts (For Post Mount Sign, Type B)	Sign Posts		10 ga (33 ksi)	2.5"	1994-136A
<i>Use 18" anchor stiffener sleeves with each Department-installed post system. No dual post approval.</i>					
Steel Square Posts (For Post Mount Sign, Type B)	Sign Posts		14 ga (60 ksi)	1.5", 1.75", 2"	1994-136A



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## Section 1103: Traffic Signing and Marking

### 1103.08(b) Steel Square Posts (For Post Mounted Signs, Type B; and Distance Markers)

Last Revised: 4/10/2015

Signing Standard 77-02B Applies.

Steel Products Procurement Act Applies.

	Product	Name	COA	Gauge	Size (in)	Ref. No.
STLSP 15	St. Louis Steel Products, Inc., 191 Rock Industrial Park Drive, St. Louis, MO 63044-1210					
	Steel Square Posts (For Post Mount Sign, Type B)	Sign Posts		12 ga	1.75", 2", 2.25"	1999-153Q
	Steel Square Posts (For Post Mount Sign, Type B)	Sign Posts		14 ga	1.75"	1999-153Q
WESTH 15	Western Highway Products, 10650 Fern Ave., Stanton, CA 90680					
	Steel Square Posts (For Post Mount Sign, Type B)	Anchor Post	SP-5	12 ga (50 ksi)	2", 2.25", 2.5"	1997-054
	Steel Square Posts (For Post Mount Sign, Type B)	Sign Posts	SP-5	14 ga (60 ksi)	1.75", 2", 2.25"	1997-054
	Steel Square Posts (For Post Mount Sign, Type B)	Sleeve	SP-5	12 ga (50 ksi)	2.25", 2.5"	1997-054
	<i>Anchor sleeve is required only for concrete installation.</i>					

### 1103.09(a) Treated Wood Posts (For Post Mount Signs, Types C and E)

Last Revised: 4/10/2015

	Product	Name	COA	Ref. No.
GRE-1 15 Plant	Great Southern Wood Preserving, P. O. Box 610, Abbeville, AL 36310 <a href="http://greatsouthernwood.com/">http://greatsouthernwood.com/</a> Hagerstown, MD			
	Treated Wood Post (For Post Mount Sign, Type C and E)			2011-162Q
MIDWW 15	Midwest Wood Treating, Inc., 4832 Plank Road, P. O. Box 610, Norwalk, OH 44857			
	Treated Wood Post (For Post Mount Sign, Type C and E)			1999-136Q



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## Section 1103: Traffic Signing and Marking

### 1103.09(a) Treated Wood Posts (For Post Mount Signs, Types C and E)

Last Revised: 4/10/2015

Product	Name	COA	Ref. No.
WOOP1 15	Wood Preservers, Inc., 15939 History Land Highway, Warsaw, VA 22572 <a href="http://www.woodpreservers.com/">http://www.woodpreservers.com/</a> Treated Wood Post (For Post Mount Sign, Type C and E)		2009-127Q

### 1103.12 Sign and Distance Marker Supports

Last Revised: 4/10/2015

Product	Name	Size (in.)	Ref. No.	
CAVAN 15	Cavanaugh Brooks, 222 2nd Street, Ellwood, PA 16117			
	Sign and Mileage Marker Support Hardware	Hardware Plate	8 x 7-3/8 x 3/8	1993-149ABCDE
	Sign and Mileage Marker Support Hardware	Hardware Plate	8 x 5-3/4 x 3/8	1993-149ABCDE
	Sign and Mileage Marker Support Hardware	Hardware Plate	8 x 3-7/8 x 3/8	1993-149ABCDE
	Sign and Mileage Marker Support Hardware	Hardware Plate	7-1/4 x 2 x 3/8	1993-149ABCDE
	Sign and Mileage Marker Support Hardware	Hardware Plate	5-1/4 x 2 x 3/8	1993-149ABCDE
	Sign and Mileage Marker Support Hardware	Hardware Plate	3-1/2 x 2 x 3/8	1993-149ABCDE

### 1103.14 Reflective Glass Beads (For Pavement Markings)

Last Revised: 4/10/2015

Product	Name	COA	Bead Type	Ref. No.
POTT1 15 Plant	Potters Industries, Inc., Customer Service Division, P.O. Box 841, Valley Forge, PA 19482-0840 <a href="http://www.pottersbeads.com/">http://www.pottersbeads.com/</a> Cleveland, OH			
	Type A, Reflective Glass Bead			----
	Type C, Reflective Glass Bead	Visibeads		1994-084
POTT2 15 Plant	Potters Industries, Inc., Customer Service Division, P.O. Box 841, Valley Forge, PA 19482-0840 <a href="http://www.pottersbeads.com/">http://www.pottersbeads.com/</a> Potsdam, NY			
	Type A, Reflective Glass Bead			----
	Type C, Reflective Glass Bead	Visibeads		1994-084
POTT3 15 Plant	Potters Industries, Inc., Customer Service Division, P.O. Box 841, Valley Forge, PA 19482-0840 <a href="http://www.pottersbeads.com/">http://www.pottersbeads.com/</a> Apex, NC			
	Type A, Reflective Glass Bead			1990-079



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## Section 1103: Traffic Signing and Marking

### 1103.14 Reflective Glass Beads (For Pavement Markings)

Last Revised: 4/10/2015

Product	Name	COA	Bead Type	Ref. No.
POTT4 15 Plant	Potters Industries, Inc., Customer Service Division, P.O. Box 841, Valley Forge, PA 19482-0840 Malvern, PA Type C, Reflective Glass Bead	<a href="http://www.pottersbeads.com/">http://www.pottersbeads.com/</a> Visibeads		1994-084
POTT5 15 Plant	Potters Industries, Inc., Customer Service Division, P.O. Box 841, Valley Forge, PA 19482-0840 Muscatine, IA <i>Formerly Flex-O-Lite (FLEX1 15)</i> Type A, Reflective Glass Bead	<a href="http://www.pottersbeads.com/">http://www.pottersbeads.com/</a>		1995-146
POTT6 15 Plant	Potters Industries, Inc., Customer Service Division, P.O. Box 841, Valley Forge, PA 19482-0840 Paris, TX <i>Formerly Flex-O-Lite (FLEX2 15)</i> Type A, Reflective Glass Bead	<a href="http://www.pottersbeads.com/">http://www.pottersbeads.com/</a>		1995-146
SWAR0 15	Swarco Reflex LLC, 900 N. Denton, Mexia, TX 76667 Type B, Reflective Glass Bead	<a href="https://www.swarco.com/northamerica">https://www.swarco.com/northamerica</a> Megalux		2005-016Q
SWAR1 15	Swarco Industries LLC, 270 Rutherford Lane, P.O. Box 89, Columbia, TN 38402 Type A, Reflective Glass Bead	<a href="https://www.swarco.com/northamerica">https://www.swarco.com/northamerica</a>		2004-110Q



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## Section 1104: Traffic Signals

### 1104.02 Traffic Signal Supports (Steel)

Last Revised: 6/10/2015

Steel Products Procurement Act applies.

	Product	Name	COA	Ref. No.
SABIN 15	Sabre Industries/Tubular Structures - PA, 700 Second Street, Ellwood City, PA 16117 <i>Formerly Jet Industries (JETIN)</i> Traffic Signal Support Fabricator	<a href="http://www.sabretubularstructures.com/">http://www.sabretubularstructures.com/</a>		----
UNIMC 15	Union Metal Corporation, 1432 Maple Avenue, N.E., Canton, OH 44705 Traffic Signal Support Fabricator	<a href="http://www.unionmetal.com/">http://www.unionmetal.com/</a>		----
VALM1 15 Plant	Valmont Industries, Inc., 7002 N 288th Street, Valley, NE 68064 Valley, NE 68064 Traffic Signal Support Fabricator	<a href="http://www.valmont.com/">http://www.valmont.com/</a>		----
VALM2 15 Plant	Valmont Industries, Inc., 58027 Charlotte Ave., Elkhart, IN 46517 Elkhart, IN 46517 Traffic Signal Support Fabricator	<a href="http://www.valmont.com/">http://www.valmont.com/</a>		----
VALM5 15 Plant	Valmont Industries, Inc., 2551 Valmont Drive, Brenham, TX 77833 Brenham, TX Traffic Signal Support Fabricator	<a href="http://www.valmont.com/">http://www.valmont.com/</a>		----

### 1104.02(e) Traffic Signal Anchor Bolts, Hex Nuts, and Washers

Last Revised: 6/10/2015

Refer to [Hardware Manufacturing Symbols](#)

	Product	Name	COA	Ref. No.
AMBBO 15	Ameribolt, Inc., 18060 AL Highway 21, Sycamore, AL 35149 Anchor Bolts	<a href="http://www.ameribolt.com/">http://www.ameribolt.com/</a> A-449		2012-150QA
ATLRC 15	Atlanta Rod and Manufacturing Company, Inc., 144 Schokbeton Street, Lavonia, GA 30553 Anchor Bolts	<a href="http://www.atlrod.com/">http://www.atlrod.com/</a> A-449		2011-088Q



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## Section 1104: Traffic Signals

### 1104.02(e) Traffic Signal Anchor Bolts, Hex Nuts, and Washers

Last Revised: 6/10/2015

Refer to [Hardware Manufacturing Symbols](#)

	Product	Name	COA	Ref. No.
BBC-F 15	BBC Fastners, Inc., 4210 Shirley Lane, Alsip, IL 60803 <a href="http://www.bbcfasteners.com/">http://www.bbcfasteners.com/</a> Anchor Bolts, Hex Nuts and Washers	A-449		1989-238
BIRFM 15	Birmingham Fastener Manufacturing, 931 Avenue W, P.O. Box 10323, Birmingham, AL 35234 Galvanized Anchor Bolts	A-449 Bolts		2015-033Q
DECKM 15	Decker Manufacturing Corporation, 703 North Clark Street, Albion, MI 49224 <a href="http://www.deckernut.com/">http://www.deckernut.com/</a> Anchor Bolts, Hex Nuts and Washers	A-563, Grade C Hex Nut		1989-094
FOUND 15	Foundation Systems and Anchors, Inc., 2300 Allen Avenue, SE, Canton, OH 44707 <a href="http://fsabolt.com/">http://fsabolt.com/</a> Galvanized Anchor Bolts	A-449		1990-385C
GAFBC 15	Gaffney Bolt Company, Inc., 6100 Material Avenue, Rockford, IL 61111 <a href="http://gaffneybolt.com/">http://gaffneybolt.com/</a> Anchor Bolts	A-449		2003-008Q
HAYDN 15	Haydon Bolts, Inc., 1181 Unity Street, Philadelphia, PA 19124 <a href="http://www.haydonbolts.com/">http://www.haydonbolts.com/</a> Galvanized Anchor Bolts	A-449		1990-039
HERBC 15	Hercules Bolt Company, 1010 River Bluff Drive, Madison, TN 37115 <a href="http://herculesbolt.com/">http://herculesbolt.com/</a> Galvanized Anchor Bolts	A-449		1998-198
JHBTS 15	J. H. Botts, Inc., 253 East Bruce St., Joliet, IL 60432 <a href="http://www.jhbotts.com/products.htm">http://www.jhbotts.com/products.htm</a> Galvanized Anchor Bolts	A-449		2001-059Q
PORBM 15	Portland Bolt and Manufacturing, Inc., 3441 NW Guam Street, P.O. Box 2866, Portland, OR 97210 <a href="http://www.portlandbolt.com/">http://www.portlandbolt.com/</a> Galvanized Anchor Bolts	A-449		2008-112Q
SOEBS 15	Southeastern Bolt and Screw, Inc., 1037 16th Avenue West, Birmingham, AL 35204 <a href="http://www.sebolt.com/index.html">http://www.sebolt.com/index.html</a> Galvanized Anchor Bolts	A-449		1991-058



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## Section 1104: Traffic Signals

### 1104.02(e) Traffic Signal Anchor Bolts, Hex Nuts, and Washers

Last Revised: 6/10/2015

Refer to [Hardware Manufacturing Symbols](#)

	Product	Name	COA	Ref. No.
STCBS 15	Steel City Bolt and Screw, LLC, 230 West Valley Road, Birmingham, AL 35201 <a href="http://www.steelcitybolt.com/">http://www.steelcitybolt.com/</a>			
	Galvanized Anchor Bolts	A-449		1990-037
UNIQUE 15	Unique Industries, P.O. Box 683, 13488 Highway 25 North, Calera, AL 35040 <a href="http://www.uiind.com/">http://www.uiind.com/</a>			
	Anchor Bolts	A-449		1990-145

### 1104.03(a)4 Traffic Signal Flashers

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
EBERL 15	Eberle Design Inc., 3819 East Lasalle, Phoenix, AZ 85040 <a href="http://www.editraffic.com/">http://www.editraffic.com/</a>				
	Traffic Signal Flasher	810 Series	EBD-001S	10/6/1987	----
ELECT 15	Electrotechnics Corporation, 1310 Commerce Street, Marshall, TX 75672 <a href="http://www.elteccorp.com/">http://www.elteccorp.com/</a>				
	Traffic Signal Flasher	FS-2	ECH-026P	2/17/2012	----
GENTR 15	General Traffic Equipment Corporation, 259 Broadway, Newburgh, NY 12550 <a href="http://www.generaltrafficequip.com/">http://www.generaltrafficequip.com/</a>				
	Traffic Signal Flasher	SSRF Series	GTE-003P	4/9/1991	----
PDC- 15	PDC, 210 Estates Drive, Suite 110, Roseville, CA 95678				
	Traffic Signal Flasher	PDC SSF-86	PDC-005S	1/9/1989	----
RENOA 15	Reno A & E, Inc., 4655 Aircenter Circle, Reno, NV 89502 <a href="http://www.renoae.com/">http://www.renoae.com/</a>				
	Traffic Signal Flasher	FL-200	RAE-020P	5/5/2004	----



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## Section 1104: Traffic Signals

### 1104.03(a)4 Traffic Signal Flashers

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	Product	Name	COA	COA Date	Ref. No.
TRAPA 15	Traffic Parts, Inc., P.O. Box 837, Spring, TX 77383 <a href="http://www.trafficparts.com/">http://www.trafficparts.com/</a>				
	Traffic Signal Flasher	Model 150	TPI-005P	11/23/2010	----
	Traffic Signal Flasher	Model 158	TPI-005P	11/23/2010	----
	Traffic Signal Flasher	Model 159	TPI-005P	11/23/2010	----
	Traffic Signal Flasher	Model 572	TPI-005P	11/23/2010	----

### 1104.03(b)1 Traffic Signal Controller Assembly: NEMA TS-1

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
ECON0 15	Econolite Control Products, 3360 East La Palma Avenue, Anaheim, CA 92806 <a href="http://www.econolite.com/">http://www.econolite.com/</a>				
	NEMA TS-1 Signal Controller	ASC/3 Rack Mounted	ECO-117P	10/21/2009	----
	NEMA TS-1 Signal Controller	ASC/3-2100	ECO-116P	5/19/2006	----
INTLI 15	Intelight, Inc., 3450 S. Broadmont Drive, Suite 126, Tucson, AZ 85713 <a href="http://www.inteligh-its.com/">http://www.inteligh-its.com/</a>				
	NEMA TS-1 Signal Controller	X-1	INT-004P	9/24/2013	----
	NEMA TS-1 Signal Controller	X-1L	INT-003P	9/24/2013	----
	NEMA TS-1 Signal Controller	X-2	INT-005P	9/24/2013	----
NAZTC 15	Naztec, Inc., 22 Gillingham Drive, Sugar Land, TX 77478				
	NEMA TS-1 Signal Controller	980	NAZ-011P	4/29/1997	----
PEKTS 15	Peek Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221 <a href="http://peektraffic.com/index.php">http://peektraffic.com/index.php</a>				
	NEMA TS-1 Signal Controller	3000 E Series	PTS-022P	3/21/1994	----
	NEMA TS-1 Signal Controller	LMD-9200 Series	PTS-040P	5/15/1995	----





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### 1104.03(b)1 Traffic Signal Controller Assembly: NEMA TS-1

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
<b>SIEME 15</b>	<b>Siemens ITS, 8004 Cameron Road, Austin, TX 78754-3899 <a href="http://www.usa.siemens.com/entry/en/">http://www.usa.siemens.com/entry/en/</a></b>				
	NEMA TS-1 Signal Controller	Eagle EPA C300 Series	SMS-211S	1/9/1989	----
	NEMA TS-1 Signal Controller	Eagle EPAC 3108 M40	SMS-001P	9/27/2004	----
	NEMA TS-1 Signal Controller	Eagle EPAC 3608 M40	SMS-002P	9/27/2004	----
	NEMA TS-1 Signal Controller	Eagle EPAC M50	SMS-205P	1/3/2003	----
	NEMA TS-1 Signal Controller	Eagle MARC 360	SMS-210P	8/1/1985	----
	NEMA TS-1 Signal Controller	Eagle MARC 390 M34	SMS-208P	6/4/2003	----
<b>USTRA 15</b>	<b>U. S. Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221</b>				
	NEMA TS-1 Signal Controller	820A	UST-137S	10/6/1987	----

### 1104.03(b)1 Traffic Signal Controller Assembly: NEMA TS-2

Last Revised: 6/10/2015

Product	Name	Controller Type	COA	COA Date	Ref. No.	
<b>ECONO 15</b>	<b>Econolite Control Products, 3360 East La Palma Avenue, Anaheim, CA 92806 <a href="http://www.econolite.com/">http://www.econolite.com/</a></b>					
	NEMA TS-2 Signal Controller	ASC/2S-1000	Type 1	ECO-118P	10/21/2009	----
	NEMA TS-2 Signal Controller	ASC/3 Rack Mounted	Types 1 and 2	ECO-117P	10/21/2009	----
	NEMA TS-2 Signal Controller	ASC/3-1000	Type 1	ECO-115P	5/19/2006	----
	NEMA TS-2 Signal Controller	ASC/3-2100	Types 1 and 2	ECO-116P	5/19/2006	----
<b>INTLI 15</b>	<b>Intelight, Inc., 3450 S. Broadmont Drive, Suite 126, Tucson, AZ 85713 <a href="http://www.intelight-its.com/">http://www.intelight-its.com/</a></b>					
	NEMA TS-2 Signal Controller	ATC TS2	Types 1 and 2	INT-001P	11/1/2011	----
	NEMA TS-2 Signal Controller	ATC TS2	Types 1 and 2	INT-002P	6/6/2011	----
	NEMA TS-2 Signal Controller	X-1	Types 1 and 2	INT-004P	9/24/2013	----
	NEMA TS-2 Signal Controller	X-1L	Types 1 and 2	INT-003P	9/24/2013	----
	NEMA TS-2 Signal Controller	X-2	Types 1 and 2	INT-005P	9/24/2013	----
<b>NAZTC 15</b>	<b>Naztec, Inc., 22 Gillingham Drive, Sugar Land, TX 77478</b>					
	NEMA TS-2 Signal Controller	980	Types 1 and 2	NAZ-011P	4/29/1997	----
	NEMA TS-2 Signal Controller	981	Types 1 and 2	NAZ-012P	4/29/1997	----



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## Section 1104: Traffic Signals

### 1104.03(b)1 Traffic Signal Controller Assembly: NEMA TS-2

Last Revised: 6/10/2015

Product	Name	Controller Type	COA	COA Date	Ref. No.	
<b>PEKTS 15</b>	<b>Peek Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221 <a href="http://peektraffic.com/index.php">http://peektraffic.com/index.php</a></b>					
	NEMA TS-2 Signal Controller	3000 E Series	Types 1 and 2	PTS-022P	3/21/1994	----
	NEMA TS-2 Signal Controller	ATC-1000	Type 2	PTS-042P	7/11/2011	----
	NEMA TS-2 Signal Controller	LMD-9200 Series	Type 2	PTS-040P	5/15/1995	----
<b>SIEME 15</b>	<b>Siemens ITS, 8004 Cameron Road, Austin, TX 78754-3899 <a href="http://www.usa.siemens.com/entry/en/">http://www.usa.siemens.com/entry/en/</a></b>					
	NEMA TS-2 Signal Controller	Eagle EPA C300 Series	Types 1 and 2	SMS-211S	1/9/1989	----
	NEMA TS-2 Signal Controller	Eagle EPAC 3108 M42	Type 2	SMS-003P	9/27/2004	----
	NEMA TS-2 Signal Controller	Eagle EPAC 3608 M42	Type 2	SMS-004P	9/27/2004	----
	NEMA TS-2 Signal Controller	Eagle EPAC M51	Type 1	SMS-206P	1/3/2003	----
	NEMA TS-2 Signal Controller	Eagle EPAC M52	Type 2	SMS-207P	1/3/2003	----
	NEMA TS-2 Signal Controller	Eagle MARC 360	Types 1 and 2	SMS-210P	8/1/1985	----
	NEMA TS-2 Signal Controller	Eagle MARC 390 M34	Types 1 and 2	SMS-208P	6/4/2003	----

### 1104.03(b)2 Traffic Signal Controller Assembly: Type 170E

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
<b>DYNTS 15</b>	<b>Dynamic Traffic Systems, Inc., 5050 Cohasset Road, Bldg. #4, Chico, CA 95973 <a href="http://dts-i.net/">http://dts-i.net/</a></b>				
	Type 170E Signal Controller	170E	DTS-001P	4/26/2013	----
<b>MCCAN 15</b>	<b>McCain Inc., 2365 Oak Ridge Way, Vista, CA 92081 <a href="http://www.mccain-inc.com/">http://www.mccain-inc.com/</a></b>				
	Type 170E Signal Controller	170E	MCC-013S	5/16/1995	----
<b>SAFET 15</b>	<b>Safetran Traffic Systems, 1485 Garden Of The God's Road, Colorado Springs, CO 80904 <a href="http://safetran-traffic.com/">http://safetran-traffic.com/</a></b>				
	Type 170E Signal Controller	170E	STS-059P	10/14/2010	----

### 1104.03(c)5 Traffic Signal Time Clock

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.
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## Section 1104: Traffic Signals

### 1104.03(c)5 Traffic Signal Time Clock

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	Product	Name	COA	COA Date	Ref. No.
<b>ELECT 15</b>	<b>Electrotechnics Corporation, 1310 Commerce Street, Marshall, TX 75672 <a href="http://www.elteccorp.com/">http://www.elteccorp.com/</a></b>				
	Time Signal Time Clock	ELTEC NTC-17E	EHC-016P	1/27/1999	----
	Time Signal Time Clock	TC-18	EHC-027P	6/25/2013	----
<b>NAZTC 15</b>	<b>Naztec, Inc., 22 Gillingham Drive, Sugar Land, TX 77478</b>				
	Time Signal Time Clock	CHRONOMAX 100	NAZ-008P	2/27/1997	----
<b>RTC-M 15</b>	<b>RTC Manufacturing Inc., P. O. Box 150189, Arlington, TX 76015 <a href="http://www.rtc-traffic.com/">http://www.rtc-traffic.com/</a></b>				
	Time Signal Time Clock	AP21	RTC-005S	12/28/1988	----
	Time Signal Time Clock	AP22	RTC-006P	9/20/2006	----
	Time Signal Time Clock	AP41	RTC-004P	12/28/1988	----
<b>SIGNS 15</b>	<b>Signal Service Inc., 1020 Andrew Drive, West Chester, PA 19380</b>				
	Time Signal Time Clock	SSI 21	SSI-006S	5/1/1979	----
<b>TORK- 15</b>	<b>Tork, Inc., 1 Grove Street, Mount Vernon, NY 10550</b>				
	Time Signal Time Clock	DIN100B	TKI-007P	9/29/1989	----
	Time Signal Time Clock	DTS100B	TKI-003S	10/6/1987	----
	Time Signal Time Clock	DTS400B	TKI-001P	3/13/1984	----
	Time Signal Time Clock	DZS100B	TKI-004P	6/14/1988	----
	Time Signal Time Clock	DZS400BP	TKI-002P	3/13/1984	----

### 1104.04 Traffic Signal Systems and Communications

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
<b>ECON0 15</b>	<b>Econolite Control Products, 3360 East La Palma Avenue, Anaheim, CA 92806 <a href="http://www.econolite.com/">http://www.econolite.com/</a></b>				
	NEMA Master Controller Assembly	ASC/2-M	ECO-103S	10/31/1997	----



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## Section 1104: Traffic Signals

### 1104.04 Traffic Signal Systems and Communications

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
INTLI 15	Intelight, Inc., 3450 S. Broadmont Drive, Suite 126, Tucson, AZ 85713 <a href="http://www.intelight-its.com/">http://www.intelight-its.com/</a>				
	NEMA Master Controller Assembly	X-1	INT-007P	9/24/2013	----
	NEMA Master Controller Assembly	X-1L	INT-006P	9/24/2013	----
	NEMA Master Controller Assembly	X-2	INT-008P	9/24/2013	----
PEKTS 15	Peek Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221 <a href="http://peektraffic.com/index.php">http://peektraffic.com/index.php</a>				
	NEMA Master Controller Assembly	E Series	PTS-041P	4/29/1996	----
SIEME 15	Siemens ITS, 8004 Cameron Road, Austin, TX 78754-3899 <a href="http://www.usa.siemens.com/entry/en/">http://www.usa.siemens.com/entry/en/</a>				
	NEMA Master Controller Assembly	Eagle MARC 360	SMS-210P	8/1/1985	----
	NEMA Master Controller Assembly	Eagle MARC 390 M34	SMS-208P	6/4/2003	----
	NEMA Master Controller Assembly	EPAC M51	SMS-229P	10/25/2011	----
	NEMA Master Controller Assembly	EPAC M51	SMS-230P	10/25/2011	----

### 1104.05(c) Junction Boxes, Traffic Signal

Last Revised: 6/10/2015

See Publication 148, Traffic Standards-Signals (TC-8804 drawing). Also, see Section 605.2(a) for Steel or Cast Iron Junction Boxes and Section 714.2 for Precast Concrete Junction Boxes that may be used for this Section.

	Product	Name	COA	Ref. No.
ARMOR 15	Armorcast Products Company, 13230 Saticoy Street, North Hollywood, CA 91605 <a href="http://www.armorcastprod.com/">http://www.armorcastprod.com/</a>			
	JB-26, Reinforced Plastic Mortar		A6001423A	2000-279Q
	JB-27, Reinforced Plastic Mortar		A6001946APC-PA	2002-067Q
	JB-27, Reinforced Plastic Mortar		A6001946APCX24	2000-280Q
CDRSC 15	CDR Systems Corporation, 146 South Atlantic Ave., Ormond Beach, FL 32176			
	JB-26, Reinforced Plastic Mortar		SA13-1212-12	2002-086Q
	JB-27, Reinforced Plastic Mortar		SA10-1324-24	2002-086Q



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### 1104.05(c) Junction Boxes, Traffic Signal

Last Revised: 6/10/2015

See Publication 148, Traffic Standards-Signals (TC-8804 drawing). Also, see Section 605.2(a) for Steel or Cast Iron Junction Boxes and Section 714.2 for Precast Concrete Junction Boxes that may be used for this Section.

	Product	Name	COA	Ref. No.
<b>HIL-0 15 Plant</b>	<b>Highline Products, 131 Hartwell Ave., Lexington, MA 02421 <a href="http://highlineproducts.com/">http://highlineproducts.com/</a> Sweetwater, TN</b>			
	JB-26, Reinforced Plastic Mortar <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	PHA121212		2011-212QA
	JB-27, Reinforced Plastic Mortar <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	PHA132412		2011-212QB
	JB-27, Reinforced Plastic Mortar <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	PHA132418H		2013-092Q
	JB-27, Reinforced Plastic Mortar <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	PHA132424H		2012-049Q
<b>MAREN 15</b>	<b>Martin Enterprises, 19940 Hansen Ave., Romoland, CA 92508 <a href="http://martinfrp.com/">http://martinfrp.com/</a></b>			
	JB-26, Reinforced Plastic Mortar	121212PC T15		2011-229Q
	JB-27, Reinforced Plastic Mortar	132418 T15		2011-230Q
	JB-27, Reinforced Plastic Mortar	132418PC T8		2011-228Q
<b>NEWBA 15</b>	<b>Newbasis, 2626 Kansas Avenue, Riverside, CA 92507 <a href="http://www.newbasis.com/">http://www.newbasis.com/</a></b>			
	JB-26, Reinforced Plastic Mortar	PCA 121212-10006		1991-321
	JB-27, Reinforced Plastic Mortar	PCA 132412-00006		1993-017
	JB-27, Reinforced Plastic Mortar	PCA 132418-00006		1993-017
	JB-27, Reinforced Plastic Mortar	PCE 132408-00000		1993-017
<b>OLES1 15</b>	<b>Oldcastle Enclosure Solutions, 801 South Pine Street, Madera, CA 96367 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a></b>			
	JB-27, Reinforced Plastic Mortar <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	PC1324-24		2013-106Q



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## Section 1104: Traffic Signals

### 1104.05(c) Junction Boxes, Traffic Signal

Last Revised: 6/10/2015

See Publication 148, Traffic Standards-Signals (TC-8804 drawing). Also, see Section 605.2(a) for Steel or Cast Iron Junction Boxes and Section 714.2 for Precast Concrete Junction Boxes that may be used for this Section.

Product	Name	COA	Ref. No.
<b>OLES2 15</b>	<b>Oldcastle Enclosure Solutions, 2 Inverness Street, Candiac, QC Canada J5R 4W5 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> <i>Formerly Old Castle Moulded Products (OLDMP)</i></b>		
JB-26, Reinforced Plastic Mortar	SYN1212		2011-080A
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
JB-27, Reinforced Plastic Mortar	SYN1324		2011-080B
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
<b>PENCP 15</b>	<b>Pencell Plastics, Inc., P.O. Box 309, Rt. 537, Plumsted Industrial Park, New Egypt, NJ 08533 <a href="http://www.pencell.com/">http://www.pencell.com/</a></b>		
JB-26, Reinforced Plastic Mortar	PEM-1212PC-10		2000-269Q
JB-27, Reinforced Plastic Mortar	PEM-1224PC-10		2000-270Q
<b>QUAZT 15</b>	<b>Quazite, 3621 Industrial Park Drive, Lenoir City, TN 37771</b>		
JB-26, Reinforced Plastic Mortar	Quazite PC1212BA12		1993-096
JB-26, Reinforced Plastic Mortar	Quazite PC1212CA46		1993-096
JB-27, Reinforced Plastic Mortar	Quazite PG1324BA18		1993-096
JB-27, Reinforced Plastic Mortar	Quazite PG1324CA46		1993-096
JB-27, Reinforced Plastic Mortar	Quazite PG1324EA08		1993-096

### 1104.06(a) Vehicular Signal Head Housings

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.
<b>BRTPI 15</b>	<b>Brown Traffic Products, Inc., 736 Federal Street, Suite 2312, Davenport, IA 52803 <a href="http://browntraffic.com/">http://browntraffic.com/</a></b>			
12-inch Aluminum Housing	SIG 10X A	BTP-005P	6/20/2014	----
12-inch Polycarbonate Housing	SA 10X A	BTP-003P	6/20/2014	----
8-inch Aluminum Housing	SIG 1X0 A	BTP-006P	6/20/2014	----
8-inch Polycarbonate Housing	SA 1X0 A	BTP-004P	6/20/2014	----



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## Section 1104: Traffic Signals

### 1104.06(a) Vehicular Signal Head Housings

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.
<b>CHMAI 15</b>	<b>C H Manufacturing Inc., 200 Elder Road, Conroe, TX 77385</b>			
12-inch Aluminum Housing	SIG-TAY-305-TTP-EVN-00	CHM-005P	7/26/1993	----
12-inch Polycarbonate Housing	SIG-TPY-305-TTP-EVN-00	CHM-006P	7/26/1993	----
8-inch Aluminum Housing	SIGEAY305TTPEV	CHM-001P	6/15/1994	----
8-inch Polycarbonate Housing	SIGEPY305TTPEV	CHM-002P	6/15/1994	----
<b>ECONO 15</b>	<b>Econolite Control Products, 3360 East La Palma Avenue, Anaheim, CA 92806 <a href="http://www.econolite.com/">http://www.econolite.com/</a></b>			
12-inch Aluminum Housing		ECO-114S	4/12/1988	----
12-inch Polycarbonate Housing	CP	ECO-105S	4/1/1983	----
12-inch Polycarbonate Housing	TP	ECO-104S	4/1/1983	----
8-inch Aluminum Housing		ECO-114S	4/12/1988	----
8-inch Polycarbonate Housing	EP	ECO-106S	4/1/1983	----
8-inch Polycarbonate Housing	TP	ECO-104S	4/1/1983	----
<b>GENTR 15</b>	<b>General Traffic Equipment Corporation, 259 Broadway, Newburgh, NY 12550 <a href="http://www.generaltrafficequip.com/">http://www.generaltrafficequip.com/</a></b>			
12-inch Aluminum Housing	T30-ALUM-A-N-N-P-T-Y-Y-Y	GTE-006P	4/23/2004	----
12-inch Polycarbonate Housing	T30-POLY	GTE-004P	12/19/2002	----
8-inch Aluminum Housing	E30-ALUM-A-N-P-T-Y-Y-Y	GTE-005P	4/23/2004	----
<b>MCCAN 15</b>	<b>McCain Inc., 2365 Oak Ridge Way, Vista, CA 92081 <a href="http://www.mccain-inc.com/">http://www.mccain-inc.com/</a></b>			
12-inch Aluminum Housing	MTSTA	MCC-016P	7/21/1997	----
12-inch Aluminum Housing	Signal Head	MCC-012P	7/26/1993	----
12-inch Polycarbonate Housing	MTSVP	MCC-011S	7/14/1993	----
8-inch Aluminum Housing	MTSEA	MCC-015P	7/21/1997	----
8-inch Polycarbonate Housing	MTSEP	MCC-010S	7/14/1993	----



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## Section 1104: Traffic Signals

### 1104.06(a) Vehicular Signal Head Housings

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
<b>PEKTS 15</b>	<b>Peek Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221 <a href="http://peektraffic.com/index.php">http://peektraffic.com/index.php</a></b>				
	12-inch Aluminum Housing	H Series	PTS-028S	2/20/1970	----
	12-inch Polycarbonate Housing	P Series	PTS-035S	11/9/1979	----
	8-inch Aluminum Housing	T Series	PTS-029S	2/20/1970	----
	8-inch Polycarbonate Housing	E Series	PTS-036S	11/9/1979	----
<b>USTRA 15</b>	<b>U. S. Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221</b>				
	12-inch Aluminum Housing	ST30 22X C221	UST-191S	3/6/1997	----
	12-inch Polycarbonate Housing	LT30 22X C221	UST-193S	12/18/2008	----
	8-inch Aluminum Housing	SE30 22X C221	UST-192S	12/18/2008	----
	8-inch Polycarbonate Housing	LE30 22X C221	UST-190S	3/6/1997	----

### 1104.06(b) LED Circular Vehicle Traffic Signal Modules

Last Revised: 6/10/2015

Product	Name	Description	COA	COA Date	Ref. No.		
<b>DIACO 15</b>	<b>Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a></b>						
	12-inch Green, LED Module		433-2220-001XL	DIA-049P	6/3/2008	----	
	12-inch Green, LED Module		433-2220-005XL	Direct Current (DC)	DIA-065P	5/9/2012	----
	12-inch Green, LED Module		433-2270-001XL	DIA-050P	6/3/2008	----	
	12-inch Green, LED Module		433-2270-005XL	Direct Current (DC)	DIA-066P	5/9/2012	----
	12-inch Red, LED Module		433-1210-003XL	DIA-047P	6/3/2008	----	
	12-inch Red, LED Module		433-1210-005XL	Direct Current (DC)	DIA-063P	5/9/2012	----
	12-inch Yellow, LED Module		433-3230-001XL	DIA-048P	6/3/2008	----	
	12-inch Yellow, LED Module		433-3230-901XL	DIA-055P	9/16/2008	----	
	12-inch Yellow, LED Module		433-3230-905XL	Direct Current (DC)	DIA-064P	5/9/2012	----
	8-inch Green, LED Module		433-2120-001XL	DIA-045P	6/3/2008	----	
	8-inch Green, LED Module		433-2170-001XL	DIA-046P	6/3/2008	----	
	8-inch Red, LED Module		433-1110-003XL	DIA-043P	6/3/2008	----	
	8-inch Yellow, LED Module		433-3130-001XL	DIA-044P	6/3/2008	----	





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## Section 1104: Traffic Signals

### 1104.06(b) LED Circular Vehicle Traffic Signal Modules

Last Revised: 6/10/2015

	Product	Name	Description	COA	COA Date	Ref. No.
<b>DIACO 15</b>	<b>Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a></b>					
	8-inch Yellow, LED Module	433-3130-901XL		DIA-054P	9/18/2008	----
<b>EXCOP 15</b>	<b>Excellence Opto, Inc., 1400 West Lambert Road, Suite B, Brea, CA 92821 <a href="http://www.eoi.com.tw/">http://www.eoi.com.tw/</a></b>					
	12-inch Green, LED Module	TRV-G12SG-D2T		EOI-002P	11/2/2009	----
	12-inch Green, LED Module	TRV-G12SG-D2T-C		EOI-018P	7/13/2011	----
	12-inch Red, LED Module	TRV-R12SG-D2T		EOI-001P	11/2/2009	----
	12-inch Yellow, LED Module	TRV-Y12SG-D1T		EOI-003P	11/2/2009	----
	8-inch Green, LED Module	TRV-G08SG-D1T		EOI-014P	11/2/2009	----
	8-inch Green, LED Module	TRV-G08SG-D1T-C		EOI-015P	11/2/2009	----
	8-inch Red, LED Module	TRV-R08SG-D1T		EOI-010P	11/2/2009	----
	8-inch Red, LED Module	TRV-R08SG-D1T-C		EOI-011P	11/2/2009	----
	8-inch Yellow, LED Module	TRV-Y08SG-D1T		EOI-012P	11/2/2009	----
	8-inch Yellow, LED Module	TRV-Y08SG-D1T-C		EOI-013P	11/2/2009	----



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## Section 1104: Traffic Signals

### 1104.06(b) LED Circular Vehicle Traffic Signal Modules

Last Revised: 6/10/2015

Product	Name	Description	COA	COA Date	Ref. No.	
GELUM 15	GE Lighting Solutions, 2713 N.E. 14th Street, Fort Lauderdale, FL 33304 <a href="http://www.gelighting.com/">http://www.gelighting.com/</a>					
	12-inch Green, LED Module	DR6-GCFB-17A		GEL-046P	4/22/2009	----
	12-inch Green, LED Module	DR6-GCFB-77A		GEL-057P	10/21/2011	----
	12-inch Green, LED Module	DR6-GCFB-VLA	Clear	GEL-069P	6/10/2013	----
	12-inch Green, LED Module	DR6-GTFB-17A		GEL-045P	4/22/2009	----
	12-inch Green, LED Module	DR6-GTFB-77A		GEL-054P	10/21/2011	----
	12-inch Green, LED Module	DR6-GTFB-VLA	Tinted	GEL-068P	6/10/2013	----
	12-inch Red, LED Module	DR6-RCFB-17A		GEL-042P	4/22/2009	----
	12-inch Red, LED Module	DR6-RCFB-77A		GEL-055P	10/21/2011	----
	12-inch Red, LED Module	DR6-RCFB-VLA	Clear	GEL-065P	6/10/2013	----
	12-inch Red, LED Module	DR6-RTFB-17A		GEL-041P	4/22/2009	----
	12-inch Red, LED Module	DR6-RTFB-77A		GEL-052P	10/21/2011	----
	12-inch Red, LED Module	DR6-RTFB-VLA	Tinted	GEL-064P	6/10/2013	----
	12-inch Yellow, LED Module	DR6-YCFB-17A-YX		GEL-044P	4/22/2009	----
	12-inch Yellow, LED Module	DR6-YCFB-77A		GEL-056P	10/21/2011	----
	12-inch Yellow, LED Module	DR6-YCFB-VLA	Clear	GEL-067P	6/10/2013	----
	12-inch Yellow, LED Module	DR6-YTFB-17A-YX		GEL-043P	4/22/2009	----
	12-inch Yellow, LED Module	DR6-YTFB-17A-YX1		GEL-047P	4/22/2009	----
	12-inch Yellow, LED Module	DR6-YTFB-77A		GEL-053P	10/21/2011	----
	12-inch Yellow, LED Module	DR6-YTFB-VLA	Tinted	GEL-066P	6/10/2013	----
	8-inch Green, LED Module	DR4-GCFB-17A		GEL-040P	4/22/2009	----
	8-inch Green, LED Module	DR4-GCFB-77A	Clear	GEL-063P	5/21/2012	----
	8-inch Green, LED Module	DR4-GCFB-VLA	Clear	GEL-075P	6/10/2013	----
	8-inch Green, LED Module	DR4-GTFB-17A		GEL-039P	4/22/2009	----
	8-inch Green, LED Module	DR4-GTFB-77A	Tinted	GEL-062P	5/21/2012	----
	8-inch Green, LED Module	DR4-GTFB-VLA	Tinted	GEL-074P	6/10/2013	----
	8-inch Red, LED Module	DR4-RCFB-17A		GEL-036P	4/22/2009	----
	8-inch Red, LED Module	DR4-RCFB-77A	Clear	GEL-059P	5/21/2012	----
	8-inch Red, LED Module	DR4-RCFB-VLA	Clear	GEL-071P	6/10/2013	----
	8-inch Red, LED Module	DR4-RTFB-17A		GEL-035P	4/22/2009	----



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## Section 1104: Traffic Signals

### 1104.06(b) LED Circular Vehicle Traffic Signal Modules

Last Revised: 6/10/2015

Product	Name	Description	COA	COA Date	Ref. No.	
GELUM 15	GE Lighting Solutions, 2713 N.E. 14th Street, Fort Lauderdale, FL 33304 <a href="http://www.gelighting.com/">http://www.gelighting.com/</a>					
	8-inch Red, LED Module	DR4-RTFB-77A	Tinted	GEL-058P	5/21/2012	----
	8-inch Red, LED Module	DR4-RTFB-VLA	Tinted	GEL-070P	6/10/2013	----
	8-inch Yellow, LED Module	DR4-YCFB-17A-YX		GEL-038P	4/22/2009	----
	8-inch Yellow, LED Module	DR4-YCFB-77A	Clear	GEL-061P	5/21/2012	----
	8-inch Yellow, LED Module	DR4-YCFB-VLA	Clear	GEL-073P	6/10/2013	----
	8-inch Yellow, LED Module	DR4-YTFB-17A-YX		GEL-037P	4/22/2009	----
	8-inch Yellow, LED Module	DR4-YTFB-77A	Tinted	GEL-060P	5/21/2012	----
	8-inch Yellow, LED Module	DR4-YTFB-VLA	Tinted	GEL-072P	6/10/2013	----



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## Section 1104: Traffic Signals

### 1104.06(b) LED Circular Vehicle Traffic Signal Modules

Last Revised: 6/10/2015

Product	Name	Description	COA	COA Date	Ref. No.	
LEOEC 15	Leotek Electronics, Corporation, 1330 Memorex Drive, Santa Clara, CA 95050-2813 <a href="http://www.leotek.com/">http://www.leotek.com/</a>					
	12-inch Green, LED Module	TSL-12G-LX-IL3-A1		LEO-067P	4/22/2009	----
	12-inch Green, LED Module	TSL-12G-LX-IL3-B1	Direct Current (DC)	LEO-085P	10/18/2010	----
	12-inch Green, LED Module	TSL-12G-LX-IL6-A1-P2		LEO-094P	1/5/2011	----
	12-inch Green, LED Module	TSL-12G-LX-IL6-A1-P2-CLR	Clear	LEO-097P	1/5/2011	----
	12-inch Red, LED Module	TSL-12R-LX-IL3-A1		LEO-065P	4/22/2009	----
	12-inch Red, LED Module	TSL-12R-LX-IL3-B1	Direct Current (DC)	LEO-083P	10/18/2010	----
	12-inch Red, LED Module	TSL-12R-LX-IL6-A1-P2		LEO-092P	1/5/2011	----
	12-inch Red, LED Module	TSL-12R-LX-IL6-A1-P2-CLR	Clear	LEO-095P	1/5/2011	----
	12-inch Yellow, LED Module	TSL-12Y-LX-IL3-A1-C		LEO-066P	4/22/2009	----
	12-inch Yellow, LED Module	TSL-12Y-LX-IL3-B1	Direct Current (DC)	LEO-084P	10/18/2010	----
	12-inch Yellow, LED Module	TSL-12Y-LX-IL6-A1-P2		LEO-093P	1/5/2011	----
	12-inch Yellow, LED Module	TSL-12Y-LX-IL6-A1-P2-CLR	Clear	LEO-096P	1/5/2011	----
	12-inch Yellow, LED Module	TSL-12Y-LX-IL6-A1-P2-CLR	Clear	LEO-090P	1/5/2011	----
	8-inch Green, LED Module	TSL-08G-LX-IL3-A1	Tinted	LEO-076P	4/29/2010	----
	8-inch Green, LED Module	TSL-08G-LX-IL3-A1-CL	Clear	LEO-077P	4/29/2010	----
	8-inch Green, LED Module	TSL-08G-LX-IL6-A1-P2		LEO-088P	1/5/2011	----
	8-inch Green, LED Module	TSL-08G-LX-IL6-A1-P2-CLR	Clear	LEO-091P	1/5/2011	----
	8-inch Red, LED Module	TSL-08R-LX-IL3-A1	Tinted	LEO-072P	4/29/2010	----
	8-inch Red, LED Module	TSL-08R-LX-IL3-A1-CL	Clear	LEO-073P	4/29/2010	----
	8-inch Red, LED Module	TSL-08R-LX-IL3-B1	Direct Current (DC)	LEO-081P	10/18/2010	----
	8-inch Red, LED Module	TSL-08R-LX-IL6-A1-P2		LEO-086P	1/5/2011	----
	8-inch Red, LED Module	TSL-08R-LX-IL6-A1-P2-CLR	Clear	LEO-089P	1/5/2011	----
	8-inch Yellow, LED Module	TSL-08Y-LX-IL3-A1	Tinted	LEO-074P	4/29/2010	----
	8-inch Yellow, LED Module	TSL-08Y-LX-IL3-A1-CL	Clear	LEO-075P	4/29/2010	----
	8-inch Yellow, LED Module	TSL-08Y-LX-IL3-B1	Direct Current (DC)	LEO-082P	10/18/2010	----
	8-inch Yellow, LED Module	TSL-08Y-LX-IL6-A1-P2		LEO-087P	1/5/2011	----



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## Section 1104: Traffic Signals

### 1104.06(b) LED Circular Vehicle Traffic Signal Modules

Last Revised: 6/10/2015

Product	Name	Description	COA	COA Date	Ref. No.
TRAST 15	TraStar, Inc., 860 N. Dorothy Dr. Suite 600, Richardson, TX 75081 <a href="http://www.trastarusa.com/">http://www.trastarusa.com/</a>				
	12-inch Green, LED Module	D-L, JXC300-HFG	TRA-019P	1/7/2009	----
	12-inch Green, LED Module	D-L, JXC300-HFTG	TRA-025P	2/22/2010	----
	12-inch Red, LED Module	D-L, JXC300-HFR	TRA-017P	1/7/2009	----
	12-inch Red, LED Module	D-L, JXC300-HFTR	TRA-023P	2/22/2010	----
	12-inch Yellow, LED Module	D-L, JXC300-HFDCY-P	TRA-032P	2/14/2012	----
	12-inch Yellow, LED Module	D-L, JXC300-HFTY02	TRA-024P	2/22/2010	----
	12-inch Yellow, LED Module	D-L, JXC300-HFY02	TRA-018P	1/7/2009	----
	8-inch Green, LED Module	D-L, JXC200-HFG	TRA-022P	4/27/2009	----
	8-inch Red, LED Module	D-L, JXC200-HFR	TRA-020P	4/27/2009	----
	8-inch Yellow, LED Module	D-L, JXC200-HFY02	TRA-021P	4/27/2009	----

### 1104.06(b) LED Vehicle Arrow Traffic Signal Modules

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
DIACO 15	Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a>				
	12-inch Green Arrow, LED Module	432-2324-001XOD	DIA-052P	6/3/2008	----
	12-inch Green Arrow, LED Module	432-2374-001XOD	DIA-053P	6/3/2008	----
	12-inch Red Arrow, LED Module	432-1314-001XOD	DIA-061P	2/17/2010	----
	12-inch Yellow Arrow, LED Module	431-3334-001XOD	DIA-051P	6/3/2008	----
	12-inch Yellow Arrow, LED Module	431-3334-901XOD	DIA-056P	9/16/2008	----
EXCOP 15	Excellence Opto, Inc., 1400 West Lambert Road, Suite B, Brea, CA 92821 <a href="http://www.eoi.com.tw/">http://www.eoi.com.tw/</a>				
	12-inch Green Arrow, LED Module	TRA-G12DG-IN	EOI-004P	8/6/2009	----
	12-inch Green Arrow, LED Module	TRA-G12DG-IN-C	EOI-017P	7/13/2011	----
	12-inch Red Arrow, LED Module	TRA-R12DG-IN	EOI-016P	2/17/2010	----
	12-inch Yellow Arrow, LED Module	TRA-Y12DG-IN	EOI-005P	8/6/2009	----
	12-inch Yellow Arrow, LED Module	TRA-Y12DG-IN2	EOI-008P	11/2/2009	----
	12-inch Yellow Arrow, LED Module	TRA-Y12DG-IN2-C	EOI-009P	11/2/2009	----



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## Section 1104: Traffic Signals

### 1104.06(b) LED Vehicle Arrow Traffic Signal Modules

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
<b>GELUM 15</b>	<b>GE Lighting Solutions, 2713 N.E. 14th Street, Fort Lauderdale, FL 33304 <a href="http://www.gelighting.com/">http://www.gelighting.com/</a></b>				
	12-inch Green Arrow, LED Module	DRG-GCAAN-17A	GEL-033P	9/24/2008	----
	12-inch Green Arrow, LED Module	DRG-GTAAN-17A	GEL-032P	9/24/2008	----
	12-inch Red Arrow, LED Module	DR6-RCAAN-17A	GEL-049P	2/17/2010	----
	12-inch Red Arrow, LED Module	DR6-RTAAN-17A	GEL-048P	2/17/2010	----
	12-inch Yellow Arrow, LED Module	DRG-YTAAN-17A-YX	GEL-034P	9/24/2008	----
<b>LEOEC 15</b>	<b>Leotek Electronics, Corporation, 1330 Memorex Drive, Santa Clara, CA 95050-2813 <a href="http://www.leotek.com/">http://www.leotek.com/</a></b>				
	12-inch Green Arrow, LED Module	TSL-12GA- IL6-A1	LEO-102P	1/4/2012	----
	12-inch Green Arrow, LED Module	TSL-12GA- IL6-A1-CLR	LEO-103P	1/4/2012	----
	12-inch Green Arrow, LED Module	TSL-12GA-LD-A1	LEO-064P	4/22/2009	----
	12-inch Green Arrow, LED Module	TSL-12GA-LD-A1-CLR	LEO-070P	2/17/2010	----
	12-inch Red Arrow, LED Module	TSL-12RA- IL6-A1	LEO-098P	1/4/2012	----
	12-inch Red Arrow, LED Module	TSL-12RA-IL6-A1-CLR	LEO-099P	1/4/2012	----
	12-inch Red Arrow, LED Module	TSL-12RA-LD-A1	LEO-068P	2/17/2010	----
	12-inch Red Arrow, LED Module	TSL-12RA-LD-A1-CLR	LEO-069P	2/17/2010	----
	12-inch Yellow Arrow, LED Module	TSL-12YA-IL6-A1	LEO-100P	1/4/2012	----
	12-inch Yellow Arrow, LED Module	TSL-12YA-IL6-A1-CLR	LEO-101P	1/4/2012	----
	12-inch Yellow Arrow, LED Module	TSL-12YA-LD-A1	LEO-063P	4/22/2009	----
	12-inch Yellow Arrow, LED Module	TSL-12YA-LD-A1-CLR	LEO-071P	2/17/2010	----
<b>TRAST 15</b>	<b>TraStar, Inc., 860 N. Dorothy Dr. Suite 600, Richardson, TX 75081 <a href="http://www.trastarusa.com/">http://www.trastarusa.com/</a></b>				
	12-inch Green Arrow, LED Module	Duralight JXJ300-07G03	TRA-028P	2/22/2010	----
	12-inch Red Arrow, LED Module	Duralight JXJ300-07R03	TRA-026P	2/22/2010	----
	12-inch Yellow Arrow, LED Module	Duralight JXJ300-07Y03	TRA-027P	2/22/2010	----

### 1104.06(c) LED Optically Programmed Signal Heads

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.
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## Section 1104: Traffic Signals

### 1104.06(c) LED Optically Programmed Signal Heads

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
<b>DIACO 15</b>	<b>Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a></b>				
	Green, LED Module	P46-3G33-003	DIA-036P	1/28/2005	----
	Red, LED Module	P46-3R33-003	DIA-038P	1/28/2005	----
	Yellow, LED Module	P46-3Y33-003	DIA-037P	1/28/2005	----
<b>GELUM 15</b>	<b>GE Lighting Solutions, 2713 N.E. 14th Street, Fort Lauderdale, FL 33304 <a href="http://www.gelighting.com/">http://www.gelighting.com/</a></b>				
	Green, LED Module	DR3-GCFB-01A	GEL-020P	9/24/2008	----
	Red, LED Module	DR3-RCFB-01A	GEL-018P	9/24/2008	----
	Yellow, LED Module	DR3-YCFB-01A	GEL-019P	9/24/2008	----
<b>LEOEC 15</b>	<b>Leotek Electronics, Corporation, 1330 Memorex Drive, Santa Clara, CA 95050-2813 <a href="http://www.leotek.com/">http://www.leotek.com/</a></b>				
	Green, LED Module	T05G-A-CA01	LEO-080P	7/23/2010	----
	Red, LED Module	T05R-A-6100	LEO-078P	7/23/2010	----
	Yellow, LED Module	T05Y-A-6100	LEO-079P	7/23/2010	----

### 1104.06(d) Pedestrian Signal Housings

Last Revised: 6/10/2015

	Product	Name	Size (in.)	COA	COA Date	Ref. No.
<b>BRTPI 15</b>	<b>Brown Traffic Products, Inc., 736 Federal Street, Suite 2312, Davenport, IA 52803 <a href="http://browntraffic.com/">http://browntraffic.com/</a></b>					
	Pedestrian Signal Housing	SA 302 A	12 x 12	BTP-001P	6/20/2014	----
	Pedestrian Signal Housing	SA 320 A	9 x 9	BTP-002P	6/20/2014	----
	Pedestrian Signal Housing	SG7SZ10C1YYF	16 x 18	BTP-007P	6/20/2014	----
	Pedestrian Signal Housing	SG7SZ20C1YYF	16 x 18	BTP-008P	6/20/2014	----
<b>CHMAI 15</b>	<b>C H Manufacturing Inc., 200 Elder Road, Conroe, TX 77385</b>					
	Pedestrian Signal Housing	SIG-PAY-315-TCG-EVN-00	12 x 12	CHM-003P	3/28/1994	----
	Pedestrian Signal Housing	SIG-PPY-315-TCG-EVN-00	12 x 12	CHM-004P	3/28/1994	----



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## Section 1104: Traffic Signals

### 1104.06(d) Pedestrian Signal Housings

Last Revised: 6/10/2015

Product	Name	Size (in.)	COA	COA Date	Ref. No.	
<b>ECONO 15</b>	<b>Econolite Control Products, 3360 East La Palma Avenue, Anaheim, CA 92806 <a href="http://www.econolite.com/">http://www.econolite.com/</a></b>					
	Pedestrian Signal Housing	12-inch Aluminum	12 x 12	ECO-119P	1/13/2010	----
	Pedestrian Signal Housing	12-inch Polycarbonate	12 x 12	ECO-120P	1/13/2010	----
	Pedestrian Signal Housing	16-inch Aluminum	16 x 18	ECO-121P	1/13/2010	----
<b>MCCAN 15</b>	<b>McCain Inc., 2365 Oak Ridge Way, Vista, CA 92081 <a href="http://www.mccain-inc.com/">http://www.mccain-inc.com/</a></b>					
	Pedestrian Signal Housing	1000 Series	16 x 18	MCC-003P	8/20/1991	----
	Pedestrian Signal Housing	M31941	16 x 18	MCC-017P	2/2/2012	----
	Pedestrian Signal Housing	MPSTA	12 x 12	MCC-009S	7/14/1993	----
	Pedestrian Signal Housing	MPSTP	12 x 12	MCC-008S	7/14/1993	----
<b>PEKTS 15</b>	<b>Peek Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221 <a href="http://peektraffic.com/index.php">http://peektraffic.com/index.php</a></b>					
	Pedestrian Signal Housing	4302	16 x 18	PTS-41P	9/21/2009	----
	Pedestrian Signal Housing	MP Series	12 x 12	PTS-030S	8/18/1972	----
	Pedestrian Signal Housing	MPA Series	12 x 12	PTS-034S	4/12/1978	----
	Pedestrian Signal Housing	MPP Series	12 x 12	PTS-037S	10/6/1987	----
	Pedestrian Signal Housing	PED-100	12 x 12	PTS-027P	5/4/2001	----
<b>USTRA 15</b>	<b>U. S. Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221</b>					
	Pedestrian Signal Housing	7037	12 x 12	UST-185S	5/26/1982	----
	Pedestrian Signal Housing	7057	12 x 12	UST-186S	5/26/1982	----
	Pedestrian Signal Housing	7090	12 x 12	UST-187S	5/26/1982	----

### 1104.06(e) LED Pedestrian Signal Modules

Last Revised: 6/10/2015

Product	Name	Size (in.)	COA	COA Date	Ref. No.	
<b>DIACO 15</b>	<b>Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a></b>					
	Pedestrian Signal, LED Module, Dual Unit	430-6450-001X	16 x 18	DIA-040P	6/3/2008	----
	Pedestrian Signal, LED Module, Dual Unit	430-6772-001X	12 x 12	DIA-039P	6/3/2008	----
	Pedestrian Signal, LED Module, Upraised Hand	430-5570-001X		DIA-059P	2/2/2009	----
	Pedestrian Signal, LED Module, Upraised Hand	430-5770-001X	12 x 12	DIA-057P	2/2/2009	----





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## Section 1104: Traffic Signals

### 1104.06(e) LED Pedestrian Signal Modules

Last Revised: 6/10/2015

Product	Name	Size (in.)	COA	COA Date	Ref. No.	
DIACO 15	Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a>					
	Pedestrian Signal, LED Module, Walking Person		430-7570-001X	DIA-060P	2/2/2009	----
	Pedestrian Signal, LED Module, Walking Person	12 x 12	430-7771-001X	DIA-058P	2/2/2009	----
EXCOP 15	Excellence Opto, Inc., 1400 West Lambert Road, Suite B, Brea, CA 92821 <a href="http://www.eoi.com.tw/">http://www.eoi.com.tw/</a>					
	Pedestrian Signal, LED Module, Dual Unit	16 x 18	TRP-C45DG-W2	EOI-007P	8/6/2009	----
GELUM 15	GE Lighting Solutions, 2713 N.E. 14th Street, Fort Lauderdale, FL 33304 <a href="http://www.gelighting.com/">http://www.gelighting.com/</a>					
	Pedestrian Signal, LED Module, Dual Unit	12 x 12	PS6-CFL1-26A	GEL-050P	2/4/2011	----
	Pedestrian Signal, LED Module, Dual Unit	16 x 18	PS7-CFC1-26A	GEL-031P	8/20/2008	----
	Pedestrian Signal, LED Module, Upraised Hand		PS6-PFH1-26A	GEL-028P	1/4/2008	----
	Pedestrian Signal, LED Module, Walking Person		PS6-WFM3-26A	GEL-029P	1/4/2008	----
LEOEC 15	Leotek Electronics, Corporation, 1330 Memorex Drive, Santa Clara, CA 95050-2813 <a href="http://www.leotek.com/">http://www.leotek.com/</a>					
	Pedestrian Signal, LED Module, Dual Unit	12 x 12	TP12H-HM	LEO-062P	6/3/2008	----
	Pedestrian Signal, LED Module, Dual Unit	16 x 18	TSL-PED-16-DIL	LEO-057P	6/3/2008	----
	Pedestrian Signal, LED Module, Upraised Hand	9 x 9	TP09B-EH	LEO-058P	6/3/2008	----
	Pedestrian Signal, LED Module, Upraised Hand	12 x 12	TP12B-EH	LEO-060P	6/3/2008	----
	Pedestrian Signal, LED Module, Walking Person	9 x 9	TP09B-WM	LEO-059P	6/3/2008	----
	Pedestrian Signal, LED Module, Walking Person	12 x 12	TP12H-WM	LEO-061P	6/3/2008	----
TRAST 15	TraStar, Inc., 860 N. Dorothy Dr. Suite 600, Richardson, TX 75081 <a href="http://www.trastarusa.com/">http://www.trastarusa.com/</a>					
	Pedestrian Signal, LED Module, Upraised Hand	9 x 9	Duralight JXM-09VIH	TRA-015P	1/7/2008	----
	Pedestrian Signal, LED Module, Walking Person	9 x 9	Duralight JXM-09VIM	TRA-016P	1/7/2008	----

### 1104.06(f) LED Countdown Pedestrian Signal Modules

Last Revised: 6/10/2015

Product	Name	Size (in.)	COA	COA Date	Ref. No.
DIACO 15	Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a>				
	Countdown Pedestrian Signal, LED Module, Dual Unit	16 x 18	4430-6479-001X	DIA-041P	6/3/2008



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### 1104.06(f) LED Countdown Pedestrian Signal Modules

Last Revised: 6/10/2015

Product	Name	Size (in.)	COA	COA Date	Ref. No.	
<b>DIACO 15</b>	<b>Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a></b>					
	Countdown Pedestrian Signal, LED Module, Time Only	430-7773-001X	12 x 12	DIA-042P	6/3/2008	----
<b>EXCOP 15</b>	<b>Excellence Opto, Inc., 1400 West Lambert Road, Suite B, Brea, CA 92821 <a href="http://www.eoi.com.tw/">http://www.eoi.com.tw/</a></b>					
	Countdown Pedestrian Signal, LED Module, Dual Unit	TRP-C45D3154C10	16 x 18	EOI-006P	8/6/2009	----
<b>GELUM 15</b>	<b>GE Lighting Solutions, 2713 N.E. 14th Street, Fort Lauderdale, FL 33304 <a href="http://www.gelighting.com/">http://www.gelighting.com/</a></b>					
	Countdown Pedestrian Signal, LED Module, Dual Unit	PS7-CFF1-26A	16 x 18	GEL-030P	6/15/2008	----
	Countdown Pedestrian Signal, LED Module, Dual Unit	PS7-CFF1-27A	16 x 18	GEL-076P	3/14/2014	----
	Countdown Pedestrian Signal, LED Module, Time Only	PS6-PFD1-26A	12 x 12	GEL-051P	2/1/2011	----
	Countdown Pedestrian Signal, LED Module, Time Only	PS6-PFD1-26A	12 x 12	GEL-051P	2/1/2011	----
<b>LEOEC 15</b>	<b>Leotek Electronics, Corporation, 1330 Memorex Drive, Santa Clara, CA 95050-2813 <a href="http://www.leotek.com/">http://www.leotek.com/</a></b>					
	Countdown Pedestrian Signal, LED Module, Dual Unit	TSL-PED-16-CIL-9	16 x 18	LEO-056P	6/3/2008	----
<b>TRAST 15</b>	<b>TraStar, Inc., 860 N. Dorothy Dr. Suite 600, Richardson, TX 75081 <a href="http://www.trastarusa.com/">http://www.trastarusa.com/</a></b>					
	Countdown Pedestrian Signal, LED Module, Dual Unit	JXM-400VIEIL	16 x 18	TRA-029P	11/3/2010	----
	Countdown Pedestrian Signal, LED Module, Time Only	Duralight JXM-200VIE	12 x 12	TRA-014P	8/23/2006	----

### 1104.06(g) LED Lane Use Traffic Control Signal Heads

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.
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## Section 1104: Traffic Signals

### 1104.06(g) LED Lane Use Traffic Control Signal Heads

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
PEKTS 15	Peek Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221 <a href="http://peektraffic.com/index.php">http://peektraffic.com/index.php</a>				
	Lane Use Signal Head, LED Module	MP, Green Arrow Indicator	PTS-033P	3/20/2007	----
	Lane Use Signal Head, LED Module	MP, Red X Indicator	PTS-031S	3/20/2007	----
	Lane Use Signal Head, LED Module	MP, Yellow X Indicator	PTS-032S	3/20/2007	----
TRAST 15	TraStar, Inc., 860 N. Dorothy Dr. Suite 600, Richardson, TX 75081 <a href="http://www.trastarusa.com/">http://www.trastarusa.com/</a>				
	Lane Use Signal Head, LED Module	JXM-LC1818, Green Arrow / Yellow X / Red X	TRA-031P	10/25/2011	----

### 1104.07(a)1 Loop Detector Sealants

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>				
	Loop Detector Sealant	3M Detector Loop Sealant			1985-136
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>				
	Loop Detector Sealant	Gold Label Loop Sealant			1977-004
CHEMQ 15	Chemque, Inc., 6107 Guion Road, Indianapolis, IN 46254 <a href="http://chemque.com/">http://chemque.com/</a>				
	Loop Detector Sealant	Q-Seal 296-06			1996-237
DURPT 15	Durant Paints, Inc., 112 Railroad Street, Revere, MA 02151 <a href="http://www.durantcorp.com/">http://www.durantcorp.com/</a>				
	Loop Detector Sealant	Stat-A-Flex			1995-275
DYNAT 15	Dynatron/Bondo Corporation, 3700 Atlanta Ind. Parkway, Atlanta, GA 30331 <a href="http://bondo.com/">http://bondo.com/</a>				
	Loop Detector Sealant	P-606			----
MAGNL 15	Magnolia Plastics, Inc., 5547 Peachtree Ind. Blvd., Chamblee, GA 30341				
	Loop Detector Sealant	Magnoloop I			1977-055
RAIPR 15	RAI Products, P.O. Box 240772, Charlotte, NC 28224 <a href="http://raiproductions.com/">http://raiproductions.com/</a>				
	Loop Detector Sealant	Pro-Seal 6006			1994-261
RUSCE 15	Ruscoe Highway Products, Ruscoe, W. J. , Co., P. O. Box 3858, Akron, OH 44314 <a href="http://www.ruscoe.com/highway-products/">http://www.ruscoe.com/highway-products/</a>				
	Loop Detector Sealant	Loop Sealant 974		8/10/1992	----



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## Section 1104: Traffic Signals

### 1104.07(b)1 Vehicular Detection: Loop Amplifier Systems

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.
EBERL 15	Eberle Design Inc., 3819 East Lasalle, Phoenix, AZ 85040 <a href="http://www.editraffic.com/">http://www.editraffic.com/</a>			
Loop Amplifier Detection System	LM 222 Series	EBD-021P	6/7/2000	----
Loop Amplifier Detection System	LM 602	EBD-014S	10/31/1997	----
Loop Amplifier Detection System	LM 622	EBD-018S	10/31/1997	----
Loop Amplifier Detection System	LMD 222 Series	EBD-025P	11/18/2008	----
Loop Amplifier Detection System	LMD 224 Series	EBD-026P	11/18/2008	----
Loop Amplifier Detection System	LMD 301 Series	EBD-027P	11/18/2008	----
Loop Amplifier Detection System	LMD 302 Series	EBD-028P	11/18/2008	----
Loop Amplifier Detection System	LMD 304 Series	EBD-029P	11/18/2008	----
Loop Amplifier Detection System	LMD 602 Series	EBD-030P	11/18/2008	----
Loop Amplifier Detection System	LMD 602T Series	EBD-031P	11/18/2008	----
Loop Amplifier Detection System	LMD 604 Series	EBD-032P	11/18/2008	----
Loop Amplifier Detection System	LMD 604T Series	EBD-033P	11/18/2008	----
Loop Amplifier Detection System	LMD 622 Series	EBD-034P	11/18/2008	----
Loop Amplifier Detection System	LMD 622T Series	EBD-035P	11/18/2008	----
Loop Amplifier Detection System	LMD 624 Series	EBD-036P	11/18/2008	----
Loop Amplifier Detection System	LMD 624T Series	EBD-037P	11/18/2008	----
Loop Amplifier Detection System	LMD 632T Series	EBD-038P	11/18/2008	----
Loop Amplifier Detection System	LMD 642T Series	EBD-039P	11/18/2008	----
Loop Amplifier Detection System	Oracle 2E Enhanced	EBD-040P	11/18/2008	----
Loop Amplifier Detection System	Oracle 2EC Enhanced	EBD-041P	11/18/2008	----
Loop Amplifier Detection System	Oracle 4E Enhanced	EBD-042P	11/18/2008	----
Loop Amplifier Detection System	Oracle 4EC Enhanced	EBD-044P	11/18/2008	----
Loop Amplifier Detection System	Oracle 4H Enhanced	EBD-043P	11/18/2008	----
Loop Amplifier Detection System	Oracle S1E Enhanced	EBD-045P	11/18/2008	----
Loop Amplifier Detection System	Oracle S1EC Enhanced	EBD-046P	11/18/2008	----
Loop Amplifier Detection System	Oracle S2E Enhanced	EBD-047P	11/18/2008	----
Loop Amplifier Detection System	Oracle S2EC Enhanced	EBD-048P	11/18/2008	----



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## Section 1104: Traffic Signals

### 1104.07(b)1 Vehicular Detection: Loop Amplifier Systems

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
<b>NAZTC 15</b>	<b>Naztec, Inc., 22 Gillingham Drive, Sugar Land, TX 77478</b>				
	Loop Amplifier Detection System	710 TX/I	NAZ-009P	2/28/1997	----
	Loop Amplifier Detection System	722L	NAZ-017P	1/28/2010	----
	Loop Amplifier Detection System	722TXC	NAZ-015P	4/24/2003	----
	Loop Amplifier Detection System	724	NAZ-016P	4/24/2003	----
	Loop Amplifier Detection System	724L	NAZ-018P	1/28/2010	----
<b>NORCO 15</b>	<b>Northstar Controls, LLC, 6147 Clark Center Avenue, Sarasota, FL 34238 <a href="http://www.northstarcontrols.com/">http://www.northstarcontrols.com/</a></b>				
	Loop Amplifier Detection System	N222	NSC-005P	12/15/2008	----
	Loop Amplifier Detection System	N222-2	NSC-007P	12/15/2008	----
	Loop Amplifier Detection System	N222-2E	NSC-008P	12/15/2008	----
	Loop Amplifier Detection System	N222-E	NSC-006P	12/15/2008	----
	Loop Amplifier Detection System	N224-2	NSC-009P	12/15/2008	----
	Loop Amplifier Detection System	N224-2E	NSC-010P	12/15/2008	----
	Loop Amplifier Detection System	NT11	NSC-001P	12/15/2008	----
	Loop Amplifier Detection System	NT11-E	NSC-002P	12/15/2008	----
	Loop Amplifier Detection System	NT22	NSC-003P	12/15/2008	----
	Loop Amplifier Detection System	NT22-E	NSC-004P	12/15/2008	----
	Loop Amplifier Detection System	NT44	NSC-011P	12/15/2008	----



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## Section 1104: Traffic Signals

### 1104.07(b)1 Vehicular Detection: Loop Amplifier Systems

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Product	Name	COA	COA Date	Ref. No.
<b>RENOA 15</b>	<b>Reno A &amp; E, Inc., 4655 Aircenter Circle, Reno, NV 89502 <a href="http://www.renoae.com/">http://www.renoae.com/</a></b>			
Loop Amplifier Detection System	222	RAE-001P	1/6/2000	----
Loop Amplifier Detection System	222 (R)	RAE-002P	1/6/2000	----
Loop Amplifier Detection System	C (R)	RAE-004P	8/11/1998	----
Loop Amplifier Detection System	C-1200-SS	RAE-003P	8/11/1998	----
Loop Amplifier Detection System	E-1200-SS	RAE-005P	2/11/2000	----
Loop Amplifier Detection System	G-200-SS	RAE-019P	11/5/2003	----
Loop Amplifier Detection System	GT-200-R	RAE-010P	6/12/2003	----
Loop Amplifier Detection System	GT-200-SS	RAE-011P	6/12/2003	----
Loop Amplifier Detection System	L-1200-R	RAE-006P	8/11/1998	----
Loop Amplifier Detection System	L-1200-SS	RAE-007P	8/11/1998	----
Loop Amplifier Detection System	S-1200-R	RAE-012P	2/11/2000	----
Loop Amplifier Detection System	S-1200-SS	RAE-013P	2/11/2000	----
Loop Amplifier Detection System	T-100-R	RAE-014P	4/25/2002	----
Loop Amplifier Detection System	T-100-SS	RAE-015P	11/5/2003	----
Loop Amplifier Detection System	T-110-R	RAE-016P	11/5/2003	----
Loop Amplifier Detection System	T-210-R	RAE-017P	11/5/2003	----
Loop Amplifier Detection System	T-400-R	RAE-018P	11/5/2003	----
Loop Amplifier Detection System	Y-200-SS	RAE-008P	6/12/2003	----
Loop Amplifier Detection System	Y-204-SS	RAE-009P	6/12/2003	----

### **USTRA 15** U. S. Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221

Loop Amplifier Detection System	222	UST-139S	1/9/1989	----
Loop Amplifier Detection System	242	UST-144S	3/5/1986	----

### 1104.07(b)2 Vehicular Detection: Video Detection Systems

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.
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## Section 1104: Traffic Signals

### 1104.07(b)2 Vehicular Detection: Video Detection Systems

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Product	Name	COA	COA Date	Ref. No.
<b>ALDIS 15</b>	<b>Aldis Corporation, 10545 Hardin Valley Road, Knoxville, TN 37932 <a href="http://www.aldiscorp.com/">http://www.aldiscorp.com/</a></b>			
Video Detection System	GridSmart	ALD-001P	9/17/2013	----
<b>ECONO 15</b>	<b>Econolite Control Products, 3360 East La Palma Avenue, Anaheim, CA 92806 <a href="http://www.econolite.com/">http://www.econolite.com/</a></b>			
Video Detection System	AIS-V	ECO-125P	10/21/2013	----
Video Detection System	Autoscope Image Sensor-AIS IV	ECO-124P	2/19/2013	----
Video Detection System	Autoscope Solo Terra	ECO-123P	2/19/2013	----
Video Detection System	Encore	ECO-122P	1/7/2011	----
<b>FLIRS 15</b>	<b>FLIR Intelligent Transportation Systems, 70 Castillian Drive, Goleta, CA 93117 <a href="http://www.flir.co.uk/traffic/content/?id=66601">http://www.flir.co.uk/traffic/content/?id=66601</a></b>			
Video Detection System	FC-Series T Thermal	FLI-001P	5/5/2014	----
<b>ITERS 15</b>	<b>Iteris, Inc, 1700 Carnegie Ave., Suite 100, Santa Ana, CA 92705-5551 <a href="http://www.iteris.com/">http://www.iteris.com/</a></b>			
Video Detection System	RZ-4A WDR	ITE-001P	8/31/2012	----
Video Detection System	Vantage Vector	ITE-003P	2/21/2013	----
Video Detection System	Versicam	ITE-002P	8/31/2012	----
<b>LEDTI 15</b>	<b>LeddarTech, Inc., 2740 Einstein Street, Quebec City, Canada G1P 4S4</b>			
Video Detection System	D-Tec Sensor	LTI-001P	11/2/2012	----
<b>PEKTS 15</b>	<b>Peek Traffic Corporation, 2906 Corporate Way, Palmetto, FL 34221 <a href="http://peektraffic.com/index.php">http://peektraffic.com/index.php</a></b>			
Video Detection System	VideoTrak IQ	PTS-043P	10/11/2013	----
<b>RHYEN 15</b>	<b>Rhythm Engineering, LLC, 12351 W. 96th Terrace, Suite 107, Lenexa, KS 66215 <a href="http://rhythmtraffic.com/">http://rhythmtraffic.com/</a></b>			
Video Detection System	InSync	RHY-001P	6/20/2013	----



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## Section 1104: Traffic Signals

### 1104.07(b)2 Vehicular Detection: Video Detection Systems

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Product	Name	COA	COA Date	Ref. No.	
<b>TRAFI 15</b>	<b>Traficon USA LLC, 10161 Park Run Drive Suite 150, Las Vegas, NV 89145</b>				
	Video Detection System	C-Walk (Pedestrian)	TUL-004P	10/4/2012	----
	Video Detection System	SafeWalk (Pedestrian)	TUL-003P	10/4/2012	----
	Video Detection System	TrafiCam	TUL-001P	10/4/2012	----
	Video Detection System	VIP	TUL-002P	10/4/2012	----

### 1104.07(b)3 Vehicular Detection: Microwave Radar Detection Systems

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
<b>ECON0 15</b>	<b>Econolite Control Products, 3360 East La Palma Avenue, Anaheim, CA 92806 <a href="http://www.econolite.com/">http://www.econolite.com/</a></b>				
	Microwave Radar Detection System	RTMS G4	ECO-126P	3/14/2014	----
<b>ITERS 15</b>	<b>Iteris, Inc, 1700 Carnegie Ave., Suite 100, Santa Ana, CA 92705-5551 <a href="http://www.iteris.com/">http://www.iteris.com/</a></b>				
	Microwave Radar Detection System	Vantage Vector	ITE-003P	2/21/2013	----
<b>MSSD 15</b>	<b>Ms Sedco, 8701 Castle Park Drive, Indianapolis, IN 46256 <a href="http://mssedco.com/">http://mssedco.com/</a></b>				
	Microwave Radar Detection System	TC-26-B	MSD-004P	3/27/1991	----
	Microwave Radar Detection System	TC-30	MSD-005P	11/13/1989	----
	Microwave Radar Detection System	TC-CK1-SBE/TCIB-4	MSD-006P	6/7/2011	----
<b>SMART 15</b>	<b>Smart Microwave Sensors, 3921 Coachman Circle, Mississauga ON, L5M 6R1 Canada</b>				
	Microwave Radar Detection System	UMRR-OA	SMI-001P	4/23/2013	----
<b>TRACP 15</b>	<b>Traffic Control Products, Inc., 4565 Glenbrook Road, Willoughby, OH 44094 <a href="http://www.traffcon.com/">http://www.traffcon.com/</a></b>				
	Microwave Radar Detection System	Pulsar II	TCP-002P	8/20/2008	----





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## Section 1104: Traffic Signals

### 1104.07(b)3 Vehicular Detection: Microwave Radar Detection Systems

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
WAVTX 15	Wavetronix, LLC, 78 E. 1700 S., Provo, UT 84606 <a href="http://www.wavetronix.com/en">http://www.wavetronix.com/en</a>				
	Microwave Radar Detection System	Smart Sensor Advance Model 200	WAV-001S	9/14/2009	----
	Microwave Radar Detection System	Smart Sensor Matrix Radar Detection System	WAV-002S	6/13/2012	----

### XTRAL 15 Xtralis, 700 Longwater Drive, Norwell, MA 02061 <http://xtralis.com/index.cfm>

	Microwave Radar Detection System	MW 232-819/M2	XTR-001P	10/5/2009	----
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### 1104.07(b)6 Vehicular Detection: Magnetic Detection Systems

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
GLOTT 15	Global Traffic Technologies, LLC, 800 North 3rd St. Suite 100, St. Paul, MN 55128-5441 <a href="http://www.gtt.com/">http://www.gtt.com/</a>				
	Magnetic Detection System	701	MMM-038P	3/29/2002	----
	Magnetic Detection System	702	MMM-033P	3/29/2002	----

### SENNE 15 Sensys Networks, Inc., 12 Middle Woods Court, Parkton <http://www.sensysnetworks.com/>

	Magnetic Detection System	Wireless Detection System	SNI-001P	1/7/2008	----
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### 1104.07(c)1 Pedestrian Detection: Pedestrian Pushbuttons

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
CAMCO 15	Campbell Company, 450 West McGregor Drive, Boise, ID 83705				
	Pedestrian Pushbutton System	4 EVR C	DCC-008P	5/20/2011	----
	Pedestrian Pushbutton System	4EVR 120	DCC-002P	9/10/2003	----
	Pedestrian Pushbutton System	4EVR 700 Rnd	DCC-003P	9/10/2003	----
	Pedestrian Pushbutton System	4EVR 800 Rec	DCC-004P	9/10/2003	----



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## Section 1104: Traffic Signals

### 1104.07(c)1 Pedestrian Detection: Pedestrian Pushbuttons

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
CAMCO 15	Campbell Company, 450 West McGregor Drive, Boise, ID 83705				
	Pedestrian Pushbutton System	DCC 200 Series	1562-P001	8/31/2001	----
	Pedestrian Pushbutton System	DCC Enlightened PPB	DCC-007P	11/18/2008	----
PELC- 15	Pelco Products, Inc., 320 S.W. 18th Street, Edmond, OK 73013 <a href="http://www.pelcoinc.com/">http://www.pelcoinc.com/</a>				
	Pedestrian Pushbutton System	SE-2005-08	PEL-002P	6/2/2010	----
	Pedestrian Pushbutton System	SE-2119-P29	PEL-003P	11/28/2011	----
	Pedestrian Pushbutton System	SE-2120-P29	PEL-004P	11/28/2011	----
	Pedestrian Pushbutton System	SE-2154-P29	PEL-005P	11/28/2011	----
POLEI 15	Polara Engineering, Inc., 9153 Stellar Court, Corona, CA 92833 <a href="http://www.polara.com/">http://www.polara.com/</a>				
	Pedestrian Pushbutton System	BDL3-X	POL-014P	8/2/2013	----
	Pedestrian Pushbutton System	MPBP	POL-004P	12/10/2001	----
	Pedestrian Pushbutton System	MPBS	POL-007P	12/10/2001	----
	Pedestrian Pushbutton System	MPBS-LM	POL-008P	12/10/2001	----

### 1104.07(c)2 Pedestrian Detection: Accessible Pedestrian Signals (APS)

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
CAMCO 15	Campbell Company, 450 West McGregor Drive, Boise, ID 83705				
	Accessible Pedestrian Signal System	A 915	DCC-010P	5/20/2011	----
	Accessible Pedestrian Signal System	Advisor APS A912	DCC-006P	11/18/2008	----
	Accessible Pedestrian Signal System	APB 915	DCC-009P	5/20/2011	----
NOVIC 15	Novac Industries Corporation, #202 - 1525 Cliveden Ave., Delta BC Canada, V3M 6L2 <a href="http://www.novax.com/">http://www.novax.com/</a>				
	Accessible Pedestrian Signal System	DS3000	NOV-001P	2/3/2012	----



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## Section 1104: Traffic Signals

### 1104.07(c)2 Pedestrian Detection: Accessible Pedestrian Signals (APS)

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
POLEI 15	Polara Engineering, Inc., 9153 Stellar Court, Corona, CA 92833 <a href="http://www.polara.com/">http://www.polara.com/</a>				
	Accessible Pedestrian Signal System	2-Wire Navigator APS	POL-010P	5/11/2004	----
	Accessible Pedestrian Signal System	4-Wire Navigator APS	POL-011P	5/11/2004	----
	Accessible Pedestrian Signal System	BDLL2-X	POL-012P	9/23/2010	----
	Accessible Pedestrian Signal System	BDLM2-X	POL-013P	9/23/2010	----
	Accessible Pedestrian Signal System	Navigator APS	POL-009P	2/7/2002	----

### 1104.07(d) LED Preemption Confirmation Lights

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
DIACO 15	Dialight Corporation, 1501 Route 34 South, Farmingdale, NJ 07727 <a href="http://www.dialight.com/">http://www.dialight.com/</a>				
	8-inch White, LED Module	433-7170-001	DIA-062P	5/2/2012	----

### 1104.07(d) Traffic Signal Preemption Systems

Last Revised: 6/10/2015

Product	Name	COA	COA Date	Ref. No.	
GLOTT 15	Global Traffic Technologies, LLC, 800 North 3rd St. Suite 100, St. Paul, MN 55128-5441 <a href="http://www.gtt.com/">http://www.gtt.com/</a>				
	GPS (Radio Based) Preemption System	OPTICOM GPS System	GTT-001S	11/26/2008	----
	Optical Preemption System	452	MMM-029P	3/10/1999	----
	Optical Preemption System	454	MMM-028P	3/10/1999	----
	Optical Preemption System	462	GTT-004P	11/11/2012	----
	Optical Preemption System	464	GTT-005P	11/11/2012	----
	Optical Preemption System	752	MMM-030P	3/11/1999	----
	Optical Preemption System	754	MMM-031P	3/11/1999	----
	Optical Preemption System	762	GTT-002P	2/20/2012	----
	Optical Preemption System	764	GTT-003P	2/20/2012	----
	Optical Preemption System	OPTICOM	MMM-006S	5/1/1979	----



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## Section 1104: Traffic Signals

### 1104.07(d) Traffic Signal Preemption Systems

Last Revised: 6/10/2015

	Product	Name	COA	COA Date	Ref. No.
TOMEI 15	Tomar Electronics, Inc., 2100 West Obispo Ave., Gilbert, AZ 85233 <a href="http://tomar.com/">http://tomar.com/</a>				
	Optical Preemption System	Strobecom I	TEL-002S	4/2/1998	----
	Optical Preemption System	Strobecom II	TEL-003P	4/27/1998	----
TRASY 15	Traffic Systems LLC, 15207 North 75th Street, Scottsdale, AZ 85259-2638 <a href="http://www.trafficsystemsllc.com/">http://www.trafficsystemsllc.com/</a>				
	Acoustic Preemption System	SONEM 2000	TSL-001S	6/1/2001	----
WAPEN 15	Wapiti Engineering, LLC, 4565 Glenbrook Road, Willoughby, OH 44094 <a href="http://www.wapitienergy.com/">http://www.wapitienergy.com/</a>				
	Acoustic Preemption System	Right O' Way (ROW-2)	WAP-001S	4/30/2008	----



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## Section 1105: Fabricated Structural Steel and Aluminum

Steel Products Procurement Act applies.

### 1105 Fabricated Structural Steel: Fabricators and Machine Shops

Last Revised: 6/8/2015

Any manufacturer approved by the American Institute of Steel Construction (AISC) and PennDOT will be qualified for steel fabrication as specified in this Section. For listing of approved fabricators, see Bulletin 15 Section, "AISC - Department Register of Certified Structural Steel Fabricators (AISC)".

For a listing of approved Machine Shops that provide services and materials to structural steel fabricators, see Bulletin 15 Section, "MACH - PennDOT Register of Certified Machine Shops".

#### 1105.02(a) Structural Steel

Last Revised: 6/8/2015

For Producers of Fabricated Structural Steel, PennDOT accepts material supplied from any Steel Mill as long as the material complies with the requirements of Publication 408, Section 106, "Control of Material".

#### 1105.02(c)1 Bolts, Nuts and Washers for General Application

Last Revised: 6/8/2015

Several ASTM A307 Bolt and Nut manufacturers also are listed in Section 1109 "Guide Rail and Metal Median Barrier".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
AMBBO 15	Ameribolt, Inc., 18060 AL Highway 21, Sycamore, AL 35149 Nut (ASTM A563)	<a href="http://www.ameribolt.com/">http://www.ameribolt.com/</a>	2014-176QA
ATLRC 15	Atlanta Rod and Manufacturing Company, Inc., 144 Schokbeton Street, Lavonia, GA 30553 Nut (ASTM A563)	<a href="http://www.atlrod.com/">http://www.atlrod.com/</a>	2011-091Q
AUTBN 15	Auto Bolt and Nut Company, 4619 Perkins Avenue, Cleveland, OH 44103 Bolt (ASTM A307, Grade A)		2005-099Q
BIRFM 15	Birmingham Fastener Manufacturing, 931 Avenue W, P.O. Box 10323, Birmingham, AL 35234 Bolt (ASTM A307, Grade A)		2003-146Q
DYSNC 15	Dyson Corporation, 53 Freedom Road, Painesville, OH 44077 Nut (ASTM A563)	<a href="http://www.dysoncorp.com/index.html">http://www.dysoncorp.com/index.html</a>	2000-211Q
GAFBC 15	Gaffney Bolt Company, Inc., 6100 Material Avenue, Rockford, IL 61111 Bolt (ASTM A307, Grade A)	<a href="http://gaffneybolt.com/">http://gaffneybolt.com/</a>	1999-025Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(c)1 Bolts, Nuts and Washers for General Application

Last Revised: 6/8/2015

Several ASTM A307 Bolt and Nut manufacturers also are listed in Section 1109 "Guide Rail and Metal Median Barrier".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
HAYDN 15	Haydon Bolts, Inc., 1181 Unity Street, Philadelphia, PA 19124 <a href="http://www.haydonbolts.com/">http://www.haydonbolts.com/</a> Bolt (ASTM A307, Grade A)		1990-047A
MNP-C 15	MNP Corporation, 44225 Utica Road, Utica, MI 48318 <a href="http://www.mnp.com/">http://www.mnp.com/</a> Bolt (ASTM A307, Grade A)		1991-022B
NUCRO 15	Nucor Fastner, 6730 County Rd. 60, St. Joe, IN 46785 <a href="http://nucor-fastener.com/">http://nucor-fastener.com/</a> Bolt (ASTM A307, Grade A) Nut (ASTM A563)		1990-197A 1990-197B
PORBM 15	Portland Bolt and Manufacturing, Inc., 3441 NW Guam Street, P.O. Box 2866, Portland, OR 97210 <a href="http://www.portlandbolt.com/">http://www.portlandbolt.com/</a> Bolt (ASTM A307, Grade A)		2008-049QB
PRSTA 15	Prestige Stamping, Inc., 23513 Grosbeck Highway, Warren, MI 48089 <a href="http://www.prestigestamping.com/">http://www.prestigestamping.com/</a> Washer (ANSI B18.22M)		2010-151Q
ROCBC 15	Rockford Bolt and Steel Company, 126 Mill Street, Rockford, IL 61101 Bolt (ASTM A307, Grade A)		2003-056Q
SOEBS 15	Southeastern Bolt and Screw, Inc., 1037 16th Avenue West, Birmingham, AL 35204 <a href="http://www.sebolt.com/index.html">http://www.sebolt.com/index.html</a> Bolt (ASTM A307, Grade A) Nut (ASTM A563)		1991-059 1991-059
STLSB 15	St. Louis Screw & Bolt Company, 2000 Access Blvd., P. O. Box 260, Madison, IL 62060 <a href="http://www.stlouisscrewbolt.com/">http://www.stlouisscrewbolt.com/</a> Bolt (ASTM A307, Grade A)		1998-191
TELEFI 15	Telefast Industries, Inc., 777 West Bagley Road, Berea, OH 44017 Nut (ASTM A563)		2004-107Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(c)2 Anchor Bolts (AASHTO M270), Nuts, and Washers

Last Revised: 6/8/2015

For Anchoring Adhesives and Mechanical Anchors, see Miscellaneous Section, "Anchoring Devices for Use in Vertical Positions Only".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
AMBBO 15	Ameribolt, Inc., 18060 AL Highway 21, Sycamore, AL 35149 Nut (ASTM A563)	<a href="http://www.ameribolt.com/">http://www.ameribolt.com/</a>	2014-176QB
BENNE 15	Bennett Bolt Works, Inc., 12 Elbridge Street, P. O. Box 922, Jordan, NY 13080 Anchor Bolt (AASHTO M270, Grade 36)	<a href="http://www.bennettboltworks.com/">http://www.bennettboltworks.com/</a>	1985-135B
BIRFM 15	Birmingham Fastener Manufacturing, 931 Avenue W, P.O. Box 10323, Birmingham, AL 35234 Anchor Bolt (AASHTO M270, Grade 36)		2006-040Q
FOST0 15	L.B. Foster Company, 415 Holiday Drive, Pittsburgh, PA 15220 Anchor Bolt (AASHTO M270, Grade 36)	<a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a>	----
FOUND 15	Foundation Systems and Anchors, Inc., 2300 Allen Avenue, SE, Canton, OH 44707 Anchor Bolt (AASHTO M270, Grade 36)	<a href="http://fsabolt.com/">http://fsabolt.com/</a>	1990-385B
HAYDN 15	Haydon Bolts, Inc., 1181 Unity Street, Philadelphia, PA 19124 Anchor Bolt (AASHTO M270, Grade 36)	<a href="http://www.haydonbolts.com/">http://www.haydonbolts.com/</a>	1990-047B
HERBC 15	Hercules Bolt Company, 1010 River Bluff Drive, Madison, TN 37115 Anchor Bolt (AASHTO M270, Grade 36)	<a href="http://herculesbolt.com/">http://herculesbolt.com/</a>	1998-196
PABOL 15	Pennsylvania Bolt Corporation, P.O. Box 256, Manatawny Road, Pine Forge, PA 19548-0256 Anchor Bolt (AASHTO M270, Grade 36) Washer (ASTM F436)		1987-299 1991-115
S&SFA 15	S & S Fastners, 2501A Duss Avenue, Ambridge, PA 15003 Anchor Bolt (AASHTO M270, Grade 36)	<a href="http://www.ss-fastener.com/">http://www.ss-fastener.com/</a>	1993-295



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(c)2 Anchor Bolts (AASHTO M270), Nuts, and Washers

Last Revised: 6/8/2015

For Anchoring Adhesives and Mechanical Anchors, see Miscellaneous Section, "Anchoring Devices for Use in Vertical Positions Only".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
TECSI 15	Technical Stamping Inc., 50600 E. Russell Schmidt Blvd., Chesterfield, MI 48051 Washer (ASTM F436)	<a href="http://technicalstamping.net/">http://technicalstamping.net/</a>	2006-078Q
UNIQU 15	Unique Industries, P.O. Box 683, 13488 Highway 25 North, Calera, AL 35040 Anchor Bolt (AASHTO M270, Grade 36)	<a href="http://www.uiind.com/">http://www.uiind.com/</a>	1990-260

### 1105.02(c)3 Anchor Bolts (ASTM F1554), Nuts, and Washers

Last Revised: 6/8/2015

For Anchoring Adhesives and Mechanical Anchors, see Miscellaneous Section, "Anchoring Devices for Use in Vertical Positions Only".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
ALPTP 15	All-Pro Threaded Products, Inc, 1915 Peyco Drive North, Arlington, TX 76001 Anchor Bolt (ASTM F1554, Grade 105) Anchor Bolt (ASTM F1554, Grade 36) Anchor Bolt (ASTM F1554, Grade 55)	<a href="http://www.all-profasteners.com/">http://www.all-profasteners.com/</a>	2012-026QB 2012-026QA 2011-141Q
AMBBO 15	Ameribolt, Inc., 18060 AL Highway 21, Sycamore, AL 35149 Anchor Bolt (ASTM F1554, Grade 105) Anchor Bolt (ASTM F1554, Grade 36) Anchor Bolt (ASTM F1554, Grade 55) Nut (ASTM A563)	<a href="http://www.ameribolt.com/">http://www.ameribolt.com/</a>	2012-150QD 2012-150QB 2012-150QC 2014-176QC
ATLRC 15	Atlanta Rod and Manufacturing Company, Inc., 144 Schokbeton Street, Lavonia, GA 30553 Anchor Bolt (ASTM F1554, Grade 105) Anchor Bolt (ASTM F1554, Grade 36) Anchor Bolt (ASTM F1554, Grade 55)	<a href="http://www.atlrod.com/">http://www.atlrod.com/</a>	2011-090Q 2011-090Q 2011-090Q





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### 1105.02(c)3 Anchor Bolts (ASTM F1554), Nuts, and Washers

Last Revised: 6/8/2015

For Anchoring Adhesives and Mechanical Anchors, see Miscellaneous Section, "Anchoring Devices for Use in Vertical Positions Only".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
BIRFM 15	Birmingham Fastener Manufacturing, 931 Avenue W, P.O. Box 10323, Birmingham, AL 35234		
		Anchor Bolt (ASTM F1554, Grade 105)	2014-004Q
		Anchor Bolt (ASTM F1554, Grade 36)	2006-039Q
		Anchor Bolt (ASTM F1554, Grade 55)	2006-038Q
CFAST 15	CFAST, LLC, 801 43rd Street North, Birmingham, AL 35212		
		Anchor Bolt (ASTM F1554, Grade 105)	2005-123Q
		Anchor Bolt (ASTM F1554, Grade 36)	2005-122Q
DECKM 15	Decker Manufacturing Corporation, 703 North Clark Street, Albion, MI 49224 <a href="http://www.deckernut.com/">http://www.deckernut.com/</a>		
		Nut (ASTM A563)	1989-094
DYSNC 15	Dyson Corporation, 53 Freedom Road, Painesville, OH 44077 <a href="http://www.dysoncorp.com/index.html">http://www.dysoncorp.com/index.html</a>		
		Nut (ASTM A563)	2000-210Q
EASCT 15	East Coast Threading Company, 1520 Manatawny Road, P.O. Box 347, Pine Forge, PA 19548 <a href="http://eastcoastthreading.com/">http://eastcoastthreading.com/</a>		
		Anchor Bolt (ASTM F1554, Grade 105)	2008-089QC
		Anchor Bolt (ASTM F1554, Grade 36)	2008-089QA
		Anchor Bolt (ASTM F1554, Grade 55)	2008-089QB
FOUND 15	Foundation Systems and Anchors, Inc., 2300 Allen Avenue, SE, Canton, OH 44707 <a href="http://fsabolt.com/">http://fsabolt.com/</a>		
		Anchor Bolt (ASTM F1554, Grade 105)	2003-128Q
		Anchor Bolt (ASTM F1554, Grade 36)	2003-128Q
		Anchor Bolt (ASTM F1554, Grade 55)	2003-128Q
		Nut (ASTM A563)	2011-020QA
HALL2 15	Hall Industries, Inc., 514 Mecklem Lane, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a>		
		Anchor Bolt (ASTM F1554, Grade 105)	2003-109Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(c)3 Anchor Bolts (ASTM F1554), Nuts, and Washers

Last Revised: 6/8/2015

For Anchoring Adhesives and Mechanical Anchors, see Miscellaneous Section, "Anchoring Devices for Use in Vertical Positions Only".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
HAYDN 15	Haydon Bolts, Inc., 1181 Unity Street, Philadelphia, PA 19124 <a href="http://www.haydonbolts.com/">http://www.haydonbolts.com/</a>		
	Anchor Bolt (ASTM F1554, Grade 105)		2003-117Q
	Anchor Bolt (ASTM F1554, Grade 36)		2003-117Q
	Anchor Bolt (ASTM F1554, Grade 55)		2003-117Q
HERBC 15	Hercules Bolt Company, 1010 River Bluff Drive, Madison, TN 37115 <a href="http://herculesbolt.com/">http://herculesbolt.com/</a>		
	Anchor Bolt (ASTM F1554, Grade 105)		2003-114Q
	Anchor Bolt (ASTM F1554, Grade 36)		2003-112Q
	Anchor Bolt (ASTM F1554, Grade 55)		2003-113Q
JHBTS 15	J. H. Botts, Inc., 253 East Bruce St., Joliet, IL 60432 <a href="http://www.jhbotts.com/products.htm">http://www.jhbotts.com/products.htm</a>		
	Anchor Bolt (ASTM F1554, Grade 105)		2001-001Q
	Anchor Bolt (ASTM F1554, Grade 36)		2001-001Q
	Anchor Bolt (ASTM F1554, Grade 55)		2001-001Q
PORBM 15	Portland Bolt and Manufacturing, Inc., 3441 NW Guam Street, P.O. Box 2866, Portland, OR 97210 <a href="http://www.portlandbolt.com/">http://www.portlandbolt.com/</a>		
	Anchor Bolt (ASTM F1554, Grade 105)		2008-049QF
	Anchor Bolt (ASTM F1554, Grade 36)		2008-049QD
	Anchor Bolt (ASTM F1554, Grade 55)		2008-049QE
PRSTA 15	Prestige Stamping, Inc., 23513 Grosbeck Highway, Warren, MI 48089 <a href="http://www.prestigestamping.com/">http://www.prestigestamping.com/</a>		
	Washer (ASTM F436)		1999-157Q
STCBS 15	Steel City Bolt and Screw, LLC, 230 West Valley Road, Birmingham, AL 35201 <a href="http://www.steelcitybolt.com/">http://www.steelcitybolt.com/</a>		
	Anchor Bolt (ASTM F1554, Grade 105)		2003-129Q
	Anchor Bolt (ASTM F1554, Grade 36)		2003-129Q
	Anchor Bolt (ASTM F1554, Grade 55)		2003-129Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(c)3 Anchor Bolts (ASTM F1554), Nuts, and Washers

Last Revised: 6/8/2015

For Anchoring Adhesives and Mechanical Anchors, see Miscellaneous Section, "Anchoring Devices for Use in Vertical Positions Only".

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
TECSI 15	Technical Stamping Inc., 50600 E. Russell Schmidt Blvd., Chesterfield, MI 48051 Washer (ASTM F436)	<a href="http://technicalstamping.net/">http://technicalstamping.net/</a>	2006-078Q
TRISB 15	Tristate Bolt Company, 1110 Fuller Drive, Garrett, IN 46738 Anchor Bolt (ASTM F1554, Grade 105) Anchor Bolt (ASTM F1554, Grade 36) Anchor Bolt (ASTM F1554, Grade 55)	<a href="http://www.tristateboltinc.com/">http://www.tristateboltinc.com/</a>	2008-101Q 2008-101Q 2008-101Q
UNIIS 15	Universal Industrial Sales, 435 North 1200 West, Lindon, UT 84042 Anchor Bolt (ASTM F1554, Grade 36) Anchor Bolt (ASTM F1554, Grade 55)	<a href="http://www.uisutah.com/uis2011/">http://www.uisutah.com/uis2011/</a>	2011-064Q 2011-064Q
UNIQUE 15	Unique Industries, P.O. Box 683, 13488 Highway 25 North, Calera, AL 35040 Anchor Bolt (ASTM F1554, Grade 105) Anchor Bolt (ASTM F1554, Grade 36) Anchor Bolt (ASTM F1554, Grade 55)	<a href="http://www.uiind.com/">http://www.uiind.com/</a>	2003-150Q 2003-150Q 2003-150Q

### 1105.02(d) High Strength Bolt Assemblies

Last Revised: 6/8/2015

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
ALPHA 15	Alpha Stamping Company, 33375 Glendale, Livonia, MI 48150 Washer (ASTM F436)	<a href="http://www.alphausa.com/">http://www.alphausa.com/</a>	1992-293
AMBBO 15	Ameribolt, Inc., 18060 AL Highway 21, Sycamore, AL 35149 Nut, Galvanized (ASTM A563)	<a href="http://www.ameribolt.com/">http://www.ameribolt.com/</a>	2014-177Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(d) High Strength Bolt Assemblies

Last Revised: 6/8/2015

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
ATLRC 15	Atlanta Rod and Manufacturing Company, Inc., 144 Schokbeton Street, Lavonia, GA 30553 Nut, Non-Galvanized (plain), (ASTM A194)	<a href="http://www.atlrod.com/">http://www.atlrod.com/</a>	2011-093QC
BBC-F 15	BBC Fastners, Inc., 4210 Shirley Lane, Alsip, IL 60803 High Strength Bolt (ASTM A490, Type 3) <i>Use only when specified.</i>	<a href="http://www.bbcfasteners.com/">http://www.bbcfasteners.com/</a>	1996-171
BIRFM 15	Birmingham Fastener Manufacturing, 931 Avenue W, P.O. Box 10323, Birmingham, AL 35234 High Strength Bolt (ASTM A325)		2011-114Q
CHIFM 15	Chicago Fasteners Manufacturing, 10902 Walnut Lane, Mokena, IL 60448 High Strength Bolt (ASTM A325)	<a href="http://www.chicagofastener.com/">http://www.chicagofastener.com/</a>	1997-193
DYSNC 15	Dyson Corporation, 53 Freedom Road, Painesville, OH 44077 High Strength Bolt (ASTM A325) Nut, Galvanized (ASTM A563)	<a href="http://www.dysoncorp.com/index.html">http://www.dysoncorp.com/index.html</a>	2000-208Q 2000-209Q
FONT1 15	Fontana Fasteners Inc., 3595 W. Sr 28, Frankfort, IN 46041 High Strength Bolt (ASTM A325) High Strength Bolt (ASTM A490, Type 1) <i>Use only when specified.</i>	<a href="http://www.lepinc.com/">http://www.lepinc.com/</a>	2007-146QA 2007-146QB
FOUND 15	Foundation Systems and Anchors, Inc., 2300 Allen Avenue, SE, Canton, OH 44707 Nut, Non-Galvanized (plain), (ASTM A194)	<a href="http://fsabolt.com/">http://fsabolt.com/</a>	2011-020QB
GAFBC 15	Gaffney Bolt Company, Inc., 6100 Material Avenue, Rockford, IL 61111 High Strength Bolt (ASTM A325)	<a href="http://gaffneybolt.com/">http://gaffneybolt.com/</a>	1999-026Q
GRAHM 15	Graham Stamping Company, 1700 Broadway Ave., Wheatland, PA 16161 Washer (ASTM F436)	<a href="http://grahamstampingco.com/">http://grahamstampingco.com/</a>	1991-166



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(d) High Strength Bolt Assemblies

Last Revised: 6/8/2015

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
HAYDN 15	Haydon Bolts, Inc., 1181 Unity Street, Philadelphia, PA 19124 High Strength Bolt (ASTM A325)	<a href="http://www.haydonbolts.com/">http://www.haydonbolts.com/</a>	1990-047C
MNP-C 15	MNP Corporation, 44225 Utica Road, Utica, MI 48318 High Strength Bolt (ASTM A325)	<a href="http://www.mnp.com/">http://www.mnp.com/</a>	1991-022A
NUCR0 15	Nucor Fastner, 6730 County Rd. 60, St. Joe, IN 46785 High Strength Bolt (ASTM A325) Nut, Galvanized (ASTM A563)	<a href="http://nucor-fastener.com/">http://nucor-fastener.com/</a>	1989-021 1990-198
PRSTA 15	Prestige Stamping, Inc., 23513 Grosbeck Highway, Warren, MI 48089 Washer (ASTM F436)	<a href="http://www.prestigestamping.com/">http://www.prestigestamping.com/</a>	1999-157Q
ROCBC 15	Rockford Bolt and Steel Company, 126 Mill Street, Rockford, IL 61101 High Strength Bolt (ASTM A325) High Strength Bolt (ASTM A490, Type 1) <i>Use only when specified.</i>		2003-054Q 2003-055Q
STLSB 15	St. Louis Screw & Bolt Company, 2000 Access Blvd., P. O. Box 260, Madison, IL 62060 High Strength Bolt (ASTM A325) Nut, Galvanized (ASTM A563) Washer (ASTM F436)	<a href="http://www.stlouisscrewbolt.com/">http://www.stlouisscrewbolt.com/</a>	1984-194 1984-194 1984-194
TECSI 15	Technical Stamping Inc., 50600 E. Russell Schmidt Blvd., Chesterfield, MI 48051 Washer (ASTM F436)	<a href="http://technicalstamping.net/">http://technicalstamping.net/</a>	2006-078Q
TURNA 15	Turnasure, LLC, 340 East Maple Avenue, Suite 206, Langhorne, PA 19047 Direct Tension Indicator Device (DTI)	<a href="http://www.turnasure.com/">http://www.turnasure.com/</a>	2010-256Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(d) High Strength Bolt Assemblies

Last Revised: 6/8/2015

See [Hardware Manufacturing Symbols](#)

	Product	Name	Ref. No.
TXBLT 15	Texas Bolt Company, 3233 West 11th Street, Houston, TX 77008		
	High Strength Bolt (ASTM A325)		1989-029
	Nut, Non-Galvanized (plain), (ASTM A194)		1989-031
UNITT 15	Unytite, Inc., 1 Unytite Drive, Peru, IL 61354 <a href="http://www.unytiteusa.com/">http://www.unytiteusa.com/</a>		
	High Strength Bolt (ASTM A325)		1991-117
	Nut, Galvanized (ASTM A563)		1991-117
WWASH 15	Wrought Washer Manufacturing, Inc., 2100 South Bay Street, Milwaukee, WI 53207		
	Washer (ASTM F436)		1993-279

### 1105.02(e) Welded Stud Shear Connectors

Last Revised: 6/8/2015

AASHTO 10.3.1.9

	Product	Name	Size (in.)	Ref. No.
BLUAC 15	Bluearc Stud Welding, 11220 East Main Street, Huntley, IL 60142 <a href="#">BLUAC 15</a>			
	Welded Stud Shear Connector		1/2	2011-076Q
	Welded Stud Shear Connector		3/8	2011-076Q
	Welded Stud Shear Connector		5/8	2011-076Q
	Welded Stud Shear Connector		3/4	2011-076Q
	Welded Stud Shear Connector		7/8	2011-076Q
COXND 15	Cox Industries, P. O. Box 366, New Haven, MI 48048 <a href="http://cox-industries.com/">http://cox-industries.com/</a>			
	Welded Stud Shear Connector		3/8	1991-104
	Welded Stud Shear Connector		1/2	1991-104
	Welded Stud Shear Connector		3/4	1991-104
	Welded Stud Shear Connector		5/8	1994-006
	Welded Stud Shear Connector		7/8	1994-006



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(e) Welded Stud Shear Connectors

Last Revised: 6/8/2015

AASHTO 10.3.1.9

Product	Name	Size (in.)	Ref. No.
<b>NELSW 15</b>	<b>Nelson Stud Welding, Inc., 7900 West Ridge Road, Elyria, OH 44035 <a href="http://www.nelsonstud.com/">http://www.nelsonstud.com/</a> Formerly TRW Nelson Stud Welding Div. (TRWNS)</b>		
	Welded Stud Shear Connector	1/2	1992-290C
	Welded Stud Shear Connector	5/8	1992-290D
	Welded Stud Shear Connector	3/4	1992-290E
	Welded Stud Shear Connector	7/8	1992-290F
	Welded Stud Shear Connector	3/8	2011-274QA
	Welded Stud Shear Connector	1	2011-274QB
<b>STUDW 15</b>	<b>Stud Welding Associates, 41515 Schaden Road, Elyria, OH 44035 <a href="http://studwelding.com/">http://studwelding.com/</a></b>		
	Welded Stud Shear Connector	1/4	1992-221
	Welded Stud Shear Connector	3/8	1992-221
	Welded Stud Shear Connector	1/2	1992-221
	Welded Stud Shear Connector	5/8	1992-221
	Welded Stud Shear Connector	3/4	1992-221
	Welded Stud Shear Connector	7/8	1992-221
<b>TRUFT 15</b>	<b>Tru-Fit Products, Tru-Weld Division, 460 Lake Road, Medina, OH 44256 <a href="http://tfpcorp.com/">http://tfpcorp.com/</a></b>		
	Welded Stud Shear Connector	1/4	1993-224
	Welded Stud Shear Connector	3/8	1993-224
	Welded Stud Shear Connector	1/2	1993-224
	Welded Stud Shear Connector	5/8	1993-224
	Welded Stud Shear Connector	3/4	1993-224
	Welded Stud Shear Connector	7/8	1993-224
	Welded Stud Shear Connector	1	1993-224

### 1105.02(j) Steel Pipe, Couplings, and Fittings

Last Revised: 6/8/2015



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(j) Steel Pipe, Couplings, and Fittings

Last Revised: 6/8/2015

For Producers of Fabricated Structural Steel, PennDOT accepts material supplied from any Steel Mill as long as the material complies with the requirements of Publication 408, Section 106, "Control of Material".

### 1105.02(s) Galvanizers

Last Revised: 6/8/2015

Product	Name	Tank Size (L x W x D)	Ref. No.
AMEGV 15	American Galvanizing Company, Inc., P.O. Box 408, Folsom, NJ 08037 <a href="http://www.amergalv.com/">http://www.amergalv.com/</a> Galvanizer: Hot Dip	55' x 6'-6" x 8'-6"	1987-211
AMETG 15	American Tinning and Galvanizing Company, 552 West 12th Street, Erie, PA 16501 <a href="http://www.galvanizeit.com/">http://www.galvanizeit.com/</a> Galvanizer: Hot Dip	11' x 3' x 4'	1995-104
ARTGV 15	Art Galvanizing Works, Inc., 3935 Valley Road, Cleveland, OH 44109 <a href="http://www.artgalvanizing.com/">http://www.artgalvanizing.com/</a> Galvanizer: Hot Dip	12' x 2'-4" x 4'	2002-136Q
AZZ-1 15	AZZ Galvanizing Services, Dixon, 310 East Progress Drive, Dixon, IL 61021 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly AAA Galvanizing of Dixon, IL (AAAIL 15)</i> Galvanizer: Hot Dip	51' x 7' x 10'	2003-059Q
AZZ-1015	AZZ Galvanizing, Inc., 800 6th Street South, Winsted, NM 55395 <a href="http://www.azz.com/">http://www.azz.com/</a> Galvanizer: Hot Dip	53' x 10' x 7'	2012-230Q
AZZ-1115	AZZ Galvanizing Services, Muncie, 2415 South Walnut Street, Muncie, IN 47302 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly Witt Industries, Inc. (WITT1 15)</i> Galvanizer: Hot Dip	42' x 5'-6" x 7'	2006-033Q
AZZ-1215	AZZ Galvanizing Services, Plymouth, 2631 Jim Neu Drive, Plymouth, IN 46563 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly Witt Industries (WITT2 15)</i> Galvanizer: Hot Dip	45' x 6' x 8'	2007-035Q
AZZ-1315	AZZ Galvanizing, Inc., 1461 Kin Ark Court, St. Louis, MO 63132 <a href="http://www.azz.com/">http://www.azz.com/</a> Galvanizer: Hot Dip	51' x 7'-3" x 10'	2013-060Q
AZZ-1415	AZZ Galvanizing Services, Tulsa, 1800 West 21st Street, Tulsa, OK 74107 <a href="http://www.azz.com/">http://www.azz.com/</a> Galvanizer: Hot Dip	56' x 5'-3" x 7'	2014-084Q
AZZ-2 15	AZZ Galvanizing Services, Hamilton, 7825 South Homestead Drive, Hamilton, IN 46724 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly AAA Galvanizing of Hamilton, IN. (AAAIN 15)</i> Galvanizer: Hot Dip	35' x 6' x 12'-6"	2003-060Q





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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(s) Galvanizers

Last Revised: 6/8/2015

Product	Name	Tank Size (L x W x D)	Ref. No.
AZZ-3 15	AZZ Galvanizing Services, Joliet, 625 Mills Road, Joliet, IL 60433 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly AAA Galvanizing of Joliet, IL (AAAJO 15)</i> Galvanizer: Hot Dip	51' x 6'-6" x 9'-3"	2007-069Q
AZZ-4 15	AZZ Galvanizing Services, Peoria, 6718 West Plank Road, Peoria, IL 61604 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly AAA Galvanizing of Peoria, IL (AAAPE 15)</i> Galvanizer: Hot Dip	51' x 8'-6" x 8'-8"	2006-105Q
AZZ-5 15	AZZ Galvanizing Services, Nashville, 200 32nd Avenue, North, Nashville, TN 37209-3901 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly North American Galvanizing Co. (NAMG1 15)</i> Galvanizer: Hot Dip	51' x 6'-6" x 8'-6"	2010-108QA
AZZ-6 15	AZZ Galvanizing Services, Kansas City, 770 East 12th Street, Kansas City, MO 64126 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly: North American Galvanizing Co. (NAMG2 15)</i> Galvanizer: Hot Dip	30' x 4'-6" x 5'-6"	2002-091Q
AZZ-7 15	AZZ Galvanizing Services, Canton, 1723 Cleveland Avenue SW, Canton, OH 44707 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly: North American Galvanizing Co. (NAMG3)</i> Galvanizer: Hot Dip	51' x 6'-6" x 8'-6"	2005-046Q
AZZ-9 15	AZZ Galvanizing Services, Louisville, 6310 Kenloy Drive, Louisville, KY 40214 <a href="http://www.azz.com/">http://www.azz.com/</a> <i>Formerly North American Galvanizing Co. (NAMG5 15)</i> Galvanizer: Hot Dip	42' x 5' x 6'	2010-108QB
BALGV 15	Baltimore Galvanizing, 7110 Quad Avenue, Baltimore, MD 21237 <a href="http://www.baltimoregalv.com/">http://www.baltimoregalv.com/</a> Galvanizer: Hot Dip	13' x 4'-6" x 4'-6"	1995-078
COLUB 15	Columbus Galvanizing, Voight & Schweitzer, 1000 Buckeye Park Road, Columbus, OH 43207 Galvanizer: Hot Dip Galvanizer: Hot Dip	12' x 3' x 3' 45' x 5'-6" x 8'-6"	---- ----
CONGV 15	Connecticut Galvanizing, P.O. Box 358, Glastonbury, CT 06033-0358 <a href="http://ctgalv.com/">http://ctgalv.com/</a> Galvanizer: Hot Dip	30'-6" x 5' x 7'-6"	2004-006Q
DUNGV 15	Duncan Galvanizing, 69 Norman Street, Everatt, MA 02149 <a href="http://www.duncangalvanizing.com/">http://www.duncangalvanizing.com/</a> Galvanizer: Hot Dip	70' x 5'-2" x 7'	1997-012
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a> Galvanizer: Hot Dip	38'-6" x 5' x 6'	----



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(s) Galvanizers

Last Revised: 6/8/2015

Product	Name	Tank Size (L x W x D)	Ref. No.
FRONT 15	Frontier Hot-Dip Galvanizing, Inc., 1740 Elmwood Avenue, Buffalo, NY 14207-0199 <a href="http://www.frontiergalvanizing.com/">http://www.frontiergalvanizing.com/</a> Galvanizer: Hot Dip	27' x 4' x 6'	1988-312
GALVA 15	Galvan Industries, Inc., 7320 Millbrook Road, P.O. Box 369, Harrisburg, NC 28075 <a href="http://www.galvanelectrical.com/">http://www.galvanelectrical.com/</a> Galvanizer: Hot Dip	42' x 4'-6" x 7'	1995-177
GLVZR 15	Galvanizers, Incorporated, 714 12th Avenue Northeast, West Fargo, ND 58078 <a href="http://www.galvanizersinc.com/">http://www.galvanizersinc.com/</a> Galvanizer: Hot Dip	41' x 4'-6" x 5'	1998-187
GREGV 15	Gregory Industries, Inc., 4100 13th Street SW, P.O. Box 80508, Canton, OH 44708 <a href="http://www.gregorycorp.com/gccorp.htm">http://www.gregorycorp.com/gccorp.htm</a> Galvanizer: Hot Dip	16' x 5' x 9'	2011-137Q
HUBBL 15	O. W. Hubbell and Sons, P.O. Box 37, New York Mills, NY 13417 Galvanizer: Hot Dip	38' x 3'-6" x 6'	1995-034
INDGA 15	Indiana Galvanizing, LLC, 51702 Lovejoy Drive, Middlebury, IN 46540 Galvanizer: Hot Dip	33' x 5'-4" x 8'	2013-175Q
INGAL 15	Industrial Galvanizers - Birmingham, 475 Dietrich Road, Steele, AL 35987 <a href="http://www.valmontcoatings.com/">http://www.valmontcoatings.com/</a> Galvanizer: Hot Dip	58' x 7'-2" x 9'	2010-160Q
KORNS 15	Korns Galvanizing Company, 75 Bridge Street, Johnstown, PA 15902 <a href="http://www.kornsgalvanizing.com/">http://www.kornsgalvanizing.com/</a> Galvanizer: Hot Dip	12' x 3'-6" x 5'	1994-101
		8' x 3'-6" x 4'	1994-101
KTGAL 15	K-T Galvanizing Company, Inc., 2500 Chambers Road, Venus, TX 76084 <a href="http://www.ktgalvanizing.com/">http://www.ktgalvanizing.com/</a> Galvanizer: Hot Dip	24' x 3'-6" x 6'	2011-218Q
KTGAL115	K-T Galvanizing Company, Inc., 5105 East 3rd Street, P.O. Box 560, Katy, TX 77493 <a href="http://www.ktgalvanizing.com/">http://www.ktgalvanizing.com/</a> Galvanizer: Hot Dip	16' x 4' x 6'	2011-217Q
MANDR 15 Plant	M&R Plating, Inc., 303 Westlink Industrial Dr., Washington, MO 63090 <a href="http://www.mrplating.com/">http://www.mrplating.com/</a> 303 Westlink Industrial Dr. Washington, MO 63090 Galvanizer: Mechanical (Not Hot Dip)	N/A	2015-121Q
MECGV 15	Mechanical Galv-Plating Corporation, 933 Oak Avenue, P.O. Box 56, Sidney, OH 45365 <a href="http://www.mechanicalgalv-plating.com/">http://www.mechanicalgalv-plating.com/</a> Galvanizer: Mechanical (Not Hot Dip)		1994-015



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(s) Galvanizers

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Product	Name	Tank Size (L x W x D)	Ref. No.
MONNG 15	Monnig Industries, Inc., P.O. Box 98, Glasgow, MO 65254-0098 <a href="http://monnigindustries.com/">http://monnigindustries.com/</a>		
	Galvanizer: Hot Dip	24' x 4' x 5'-6"	1991-027
	Galvanizer: Hot Dip	24' x 5' x 4'-6"	1991-027
	Galvanizer: Hot Dip	2 barrels, 10 cu. ft. each	1991-027
MPGV1 15	Metalplate Galvanizing, Inc., 757 44th Street North, Birmingham, AL 35201 <a href="http://www.metalplate.com/">http://www.metalplate.com/</a>		
	Galvanizer: Hot Dip	22' x 4'-4" x 5'-6"	1984-203
MPGV2 15	Metalplate Galvanizing, Inc., 1120 39th Street North, Birmingham, AL 35201 <a href="http://www.metalplate.com/">http://www.metalplate.com/</a>		
	Galvanizer: Hot Dip	42' x 5' x 6'	1984-203
MPGV3 15	Metalplate Galvanizing, Inc., 500 Selig Drive, Atlanta, GA 30336 <a href="http://www.metalplate.com/">http://www.metalplate.com/</a>		
	Galvanizer: Hot Dip	42' x 5' x 6'	1984-203
MPGV4 15	Metalplate Galvanizing, Inc., 7123 Moncrief Road West, Jacksonville, FL 32219 <a href="http://www.metalplate.com/">http://www.metalplate.com/</a>		
	Galvanizer: Hot Dip	28' x 5' x 6'	1984-203
MPGV5 15	Metalplate Galvanizing, Inc., 10625 Needham Street, Houston, TX 77013 <a href="http://www.metalplate.com/">http://www.metalplate.com/</a>		
	Galvanizer: Hot Dip	42' x 5' x 6'	1984-203
NEGV 15	Neville Galvanizing, 3005 Grand Avenue, Neville Island, Pittsburgh, PA 15225 <a href="http://nevillegalvanizing.com/">http://nevillegalvanizing.com/</a>		
	Galvanizer: Hot Dip	21' x 4'-6" x 3'-2"	----
NICGV 15	Nicholas Galvanizing Company, 120 Duffield Avenue, Jersey City, NJ 07306		
	Galvanizer: Hot Dip	21' x 3' x 3'-4"	1989-005
NJG&T 15	New Jersey Galvanizing and Tinning Works, 139 Hayes Avenue, Newark, NJ 07114 <a href="http://www.newjerseygalvanizing.com/#/">http://www.newjerseygalvanizing.com/#/</a>		
	Galvanizer: Hot Dip	40'-6" x 4'-4" x 4'-6"	----
OH-GV 15	Ohio Galvanizing Corporation, 467 West Fairground Street, Marion, OH 43302 <a href="http://www.ohgalv.com/">http://www.ohgalv.com/</a>		
	Galvanizer: Hot Dip	30'-6" x 5' x 7'-6"	1996-254
PLTCO 15	Plateco, Inc., 1375 Industrial St., Reedsburg, WI 53959 <a href="http://www.platecoinc.com/">http://www.platecoinc.com/</a>		
	Galvanizer: Mechanical (Not Hot Dip)		2012-078Q
QUAG- 15	Quality Galvanizing, 1110 Fuller Drive, Garrett, IN 46738		
	Galvanizer: Hot Dip	6'-7" x 2'-4" x 3"-6"	2014-032Q
RGGV 15	Rogers Brothers Inc., 2007 Kishwaukee Street, Rockford, IL 61104 <a href="http://rogersbrothers.com/">http://rogersbrothers.com/</a>		
	Galvanizer: Hot Dip	12' x 3' x 4'	1995-214
	Galvanizer: Hot Dip	22' x 4' x 5' (2 tanks)	1995-214



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(s) Galvanizers

Last Revised: 6/8/2015

Product	Name	Tank Size (L x W x D)	Ref. No.
SAGV0 15	South Atlantic Galvanizing, P.O. Box 1042, US Highway 276 West, Travelers Rest, SC 29690 <a href="http://www.southatlanticllc.com/">http://www.southatlanticllc.com/</a> Galvanizer: Hot Dip	28' x 4' x 6'-6"	----
SAGV1 15	South Atlantic Galvanizing, 3025 Steel Way Drive, P.O. Box 1380, Graham, NC 27253 <a href="http://www.southatlanticllc.com/">http://www.southatlanticllc.com/</a> Galvanizer: Hot Dip	51' x 5' x 10'	1983-142
SAGV2 15	South Atlantic Galvanizing, P.O. Box 876, Highway 280 West, Claxton, GA 30417 <a href="http://www.southatlanticllc.com/">http://www.southatlanticllc.com/</a> Galvanizer: Hot Dip	28' x 4' x 6'-6"	1983-142
SAGV3 15	South Atlantic Galvanizing, 4186 South Creek Road East, Chattanooga, TN 37406 <a href="http://www.southatlanticllc.com/">http://www.southatlanticllc.com/</a> Galvanizer: Hot Dip	45' x 5'-6" x 9'	----
SAGV4 15	South Atlantic Galvanizing, 11022 Lewistown Road, Ashland, VA 23005 <a href="http://www.southatlanticllc.com/">http://www.southatlanticllc.com/</a> <i>Formerly Virginia Galvanizing (VAGAL)</i> Galvanizer: Hot Dip	42' x 6'-6" x 8'-6"	1997-053
SOUGV 15	Southern Galvanizing, Inc., 1620 Bush Street, Baltimore, MD 21230 <a href="http://southerngalvanizing.com/">http://southerngalvanizing.com/</a> Galvanizer: Hot Dip	35' x 6'-6" x 8'	----
SWGLV 15	Southwest Galvanizing, Inc., 737 Aleen Street, P.O. Box 24188, Houston, TX 77229-4188 <a href="http://www.swgalvanizing.com/">http://www.swgalvanizing.com/</a> Galvanizer: Hot Dip Galvanizer: Hot Dip Galvanizer: Hot Dip Galvanizer: Hot Dip	42' x 5' x 5'-6" 32'-6" x 4'-2" x 5' 30'-6" x 4' x 5' 14' x 3' x 4'-2"	1998-210 1998-210 1998-210 1998-210
TENNG 15	Tennessee Galvanizing, Inc., 1535 Industrial Boulevard, P.O. Box 609, Jasper, TN 37347 <a href="http://tennesseegalvanizing.com/">http://tennesseegalvanizing.com/</a> Galvanizer: Hot Dip Galvanizer: Hot Dip Galvanizer: Hot Dip	42' x 5' x 7' 18' x 2'-2" x 6'-6" 14' x 4' x 5'	2001-083Q 2001-083Q 2001-083Q
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> Galvanizer: Hot Dip	42' x 8' x 8'	2008-106QA
TRIN2 15	Trinity Highway Products, LLC, 550 East Robb Ave., Lima, OH 45801 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> Galvanizer: Hot Dip	55' x 6' x 8'-3"	2010-131Q
TRIN3 15	Trinity Highway Products, LLC, 2548 NE 28th Street, Ft. Worth, TX 76111 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> Galvanizer: Hot Dip	42' x 13' x 9'	2010-271Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(s) Galvanizers

Last Revised: 6/8/2015

Product	Name	Tank Size (L x W x D)	Ref. No.
TRISB 15	Tristate Bolt Company, 1110 Fuller Drive, Garrett, IN 46738 <a href="http://www.tristateboltinc.com/">http://www.tristateboltinc.com/</a> Galvanizer: Hot Dip	6'-6" x 2'-6" x 3'-7"	2013-029Q
UNIGI 15	Universal Galvanizing, Inc., 501 SE 1st Street, Wright City, MO 63390 <a href="http://ug.monningindustries.com/">http://ug.monningindustries.com/</a> Galvanizer: Hot Dip	25' x 5' x 7'	2012-254Q
UNIIS 15	Universal Industrial Sales, 435 North 1200 West, Lindon, UT 84042 <a href="http://www.uisutah.com/uis2011/">http://www.uisutah.com/uis2011/</a> Galvanizer: Hot Dip	45' x 5' x 7'	2011-063QC
VALM0 15	Valmont Industries, Inc., P. O. Box 358, Highway #275, Valley, NE 68064 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Galvanizer: Hot Dip	58' x 6' x 8'-6"	1991-142
VALM3 15	Valmont Industries, Inc., 10909 Franklin Ave., Franklin Park, IL 60131 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Galvanizer: Hot Dip Galvanizer: Hot Dip	52' x 4'-8" x 6' 26' x 5' x 7'	2000-152Q 2000-152Q
VALM6 15	Valmont Salina Galvanizing, 1100 North Ohio Street, Salina, KS 67401 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Galvanizer: Hot Dip	55' x 12' x 10'-6"	2013-203Q
VALM7 15	Valmont Coatings Gateway Galvanizing, 1117 Brown Forman Road, Jeffersonville, IN 47130 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Galvanizer: Hot Dip	44' x 6'-5" x 7'-5"	2000-310Q
VALM8 15	Valmont Virginia Galvanizers, 3535 Halifax Road, Petersburg, VA 23805 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Galvanizer: Hot Dip	49' x 5'-8" x 8'-8"	1998-092
VICTA 15	Victaulic Company Of America, Apex Facility, 119 Edison Road, Stewartville, NJ 08886 <a href="http://www.victaulic.com/">http://www.victaulic.com/</a> Galvanizer: Hot Dip	21' x 3' x 4'-6"	2000-277Q
VOISG 15	Voigt & Schweitzer Galvanizing, 12600 Arnold Street, Redford, MI 48239 <a href="http://www.hotdipgalvanizing.com/">http://www.hotdipgalvanizing.com/</a> Galvanizer: Hot Dip	42' x 6' x 8'-6"	2000-311Q
VSAGV 15	V & S Amboy Galvanizing, LLC, 1190 Amboy Avenue, Perth Amboy, NJ 08861 <a href="http://www.hotdipgalvanizing.com/">http://www.hotdipgalvanizing.com/</a> Galvanizer: Hot Dip	25' x 6' x 10'	2000-278Q
VSDGV 15	V & S Galvanizing, LLC, 511 Carroll Drive, New Castle, DE 19720 <a href="http://www.hotdipgalvanizing.com/">http://www.hotdipgalvanizing.com/</a> Galvanizer: Hot Dip	29' x 6' x 10'	2010-239Q
VSLGV 15	V & S Lebanon Galvanizing, 153 Micro Drive, Jonestown, PA 17038 <a href="http://www.hotdipgalvanizing.com/">http://www.hotdipgalvanizing.com/</a> Galvanizer: Hot Dip	56' x 7'-2" x 10'-2"	2002-033Q
VSTGV 15	V & S Taunton Galvanizing, LLC, 585 John Hancock Road, Taunton, MA 02780 <a href="http://www.hotdipgalvanizing.com/">http://www.hotdipgalvanizing.com/</a> Galvanizer: Hot Dip	29' x 6' x 10'	2007-045Q



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## Section 1105: Fabricated Structural Steel and Aluminum

### 1105.02(s) Galvanizers

Last Revised: 6/8/2015

Product	Name	Tank Size (L x W x D)	Ref. No.
YOUNG 15	Young Galvanizing, Inc., P. O. Box 334, Route 551, Pulaski, PA 16143 <a href="http://younggalvanizing.com/">http://younggalvanizing.com/</a>		
	Galvanizer: Hot Dip	48' x 5' x 8'-6"	----
	Galvanizer: Hot Dip	24' x 5' x 6'	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1107: Prestressed Concrete Bridge Beams

### 1107.02 Prestressed Concrete Bridge Beams

Last Revised: 7/9/2015

Note: Applicable Prestressed Concrete Institute (PCI) Plant Certification codes listed after product name.

Product	Name	Letter Date	Ref. No.
BYCRT 15	By-Crete, 517 King Street, RD #1, Lebanon, PA 17042 <a href="http://www.bycrete.com/">http://www.bycrete.com/</a> Plank Beam Precast Post Tensioned		2014-194Q
HIGCG 15	High Concrete Group, LLC, 125 Denver Road, Denver, PA 17517 <a href="http://www.high.net/">http://www.high.net/</a> Next Beam Producer (SOL 483-13-07) <i>Allowable Bed Moment = 12,900,000 pound-inches.</i> <i>Working Load = 2,150,000 pounds.</i>		2011-113Q
J&RS1 15	J & R Slaw, Inc., P.O. Box D, Bowanstown, PA 18030 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a> Prestressed Straight-Strand Bridge Member Only (PCI Code: B3)	8/13/1997	1995-044
J&RS2 15	J & R Slaw, Inc., 438 Riverview Road, Lehighton, PA 18235 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a> Next Beam Producer (SOL 483-13-07) <i>Allowable Bed Moment = 34,250,000 pound inches.</i> <i>Working Load = 1,352,000 pounds.</i>		2012-016Q
JERPC 15	Jersey Precast Corporation, 853 Nottingham Way, Hamilton Township, NJ 08638 <a href="http://jerseyprecast.com/">http://jerseyprecast.com/</a> Prestressed Straight-Strand Bridge Member Only (PCI Code: B3) <i>Allowable Bed Moment = 232 ft-k.</i> <i>Working Load = 1,548,000 lbs.</i>		2011-200Q
MACIN 15	PennStress, Division of Maclnnis Group, LLC, 8180 Woodbury Pike, Roaring Spring, PA 16673 <a href="http://www.pennstress.com/">http://www.pennstress.com/</a> <b>Formerly NEW-0 15.</b> Next Beam Producer (SOL 483-13-07) Plank Beam Precast Post Tensioned Prestressed Deflected and Straight-Strand Bridge Member (PCI Code: B4)		2011-077Q 2015-125Q 2011-077Q



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## Section 1107: Prestressed Concrete Bridge Beams

### 1107.02 Prestressed Concrete Bridge Beams

Last Revised: 7/9/2015

Note: Applicable Prestressed Concrete Institute (PCI) Plant Certification codes listed after product name.

Product	Name	Letter Date	Ref. No.
NORPP 15	Northeast Prestressed Products LLC, 121 River Street, Cressona, PA 17929-1133 <a href="http://www.nppbeams.com/">http://www.nppbeams.com/</a> Next Beam Producer (SOL 483-13-07) <i>Allowable Bed Moment = 37,200,000 pound inches.</i> <i>Working Load = 2,480,000 pounds.</i>		2012-015Q
	Prestressed Deflected and Straight-Strand Bridge Member (PCI Code: B4)		2012-015Q
WHICO 15	L. C. Whitford Company, 164 North Main Street, P.O. Box 663, Wellsville, NY 14895 <a href="http://www.lcwhitford.com/">http://www.lcwhitford.com/</a> Prestressed Deflected and Straight-Strand Bridge Member (PCI Code: B4)		----

### 1107.02(m) Box Beam Void Forms

Last Revised: 7/9/2015

Product	Name	Ref. No.
CLFNA 15	Cellofoam North America, Inc., 33 Baron Park Road, Falmouth, VA 22405 <a href="http://cellofoam.com/">http://cellofoam.com/</a> Box Beam Void Form Cellofoam EPS	1999-080Q
DOW-3 15	Dow Chemical Corporation, 200 Lackin Center, 1605 Joseph Drive, Midland, MI 48674 <a href="http://www.dow.com/">http://www.dow.com/</a> Box Beam Void Form Styrofoam (EPS)	1999-182Q
INSUC 15	Insulation Corporation of America, 2571 Mitchell Avenue, Allentown, PA 18103 <a href="http://insulationcorp.com/">http://insulationcorp.com/</a> Box Beam Void Form Ica-Lite (EPS)	1993-032
INSUL 15	Insul-Board, Inc., 2120 Colonial Ave., P. O. Box 8103, Erie, PA 16505 <a href="http://insulboard.com/">http://insulboard.com/</a> Box Beam Void Form Insul-Board (EPS)	1988-107
OPC-N 15	Opco, Inc., Harrison Ave. West, P. O. Box 101, Latrobe, PA 15650 <a href="http://opcodirect.com/">http://opcodirect.com/</a> Box Beam Void Form Op-Foam (EPS)	1991-276





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## Section 1107: Prestressed Concrete Bridge Beams

### 1107.02(m) Box Beam Void Forms

Last Revised: 7/9/2015

	Product	Name	Ref. No.
PACEM 15	Pacemaker Plastics Co., 126 New Pace Rd., Newcomertown, OH 43832 Box Beam Void Form	Chemform Polyvoid (EPS)	1992-149
POLMD 15	Poly/Molding Corporation, 96 Fourth Avenue, Haskell, NJ 07420 <a href="http://polymoldingllc.com/">http://polymoldingllc.com/</a> Box Beam Void Form	Poly Foam	1995-311
SHELE 15	Shelter Enterprises, Inc., 8 Saratoga Street, Cohoes, NY 12047 <a href="http://www.shelter-ent.com/">http://www.shelter-ent.com/</a> Box Beam Void Form	Shelterfoam	2003-068Q
SPRCC 15	Spring Cove Container, Roaring Spings, PA 16673 <a href="http://www.springcove.com/">http://www.springcove.com/</a> Box Beam Void Form	Cardboard	----

### 1107.02(n)3.d Tendons: 7-Wire, Uncoated, Low-Relaxation Strand

Last Revised: 7/9/2015

Steel Products Procurement Act Applies

	Product	Name	Strength	Ref. No.
INST1015	Insteel Wire Products, 24 Herring Road, Newnan, GA 30265 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 7-Wire, Uncoated, Low-Relaxation Strand	LoLax	270K	2006-032Q
INST2 15	Insteel Wire Products, 638 Rappahannock Wire Road, Gallatin, TN 37066 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 7-Wire, Uncoated, Low-Relaxation Strand	LoLax	270K	1994-081
INST8 15	Insteel Wire Products, 1 Wiremil Road, Sanderson, FL 32087 <a href="http://www.insteel.com/">http://www.insteel.com/</a> 7-Wire, Uncoated, Low-Relaxation Strand	LoLax	270K	2012-237Q
STRTM 15	Strand Tech Martin, Inc., 258 Deming Way, P.O. Box 2220, Summerville, SC 29484 <a href="http://strandtech.com/">http://strandtech.com/</a> 7-Wire, Uncoated, Low-Relaxation Strand	LoLax	270K	2000-051Q



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1107: Prestressed Concrete Bridge Beams

### 1107.02(n)3.d Tendons: 7-Wire, Uncoated, Low-Relaxation Strand

Last Revised: 7/9/2015

Steel Products Procurement Act Applies

Product	Name	Strength	Ref. No.
SUMWP 15	Sumiden Wire Products Corporation, 710 Marshall Stuart Drive, Dickson, TN 37055 <a href="http://www.sumidenwire.com/">http://www.sumidenwire.com/</a>		
	7-Wire, Uncoated, Low-Relaxation Strand	LoLax	270K
			1998-151

### 1107.02(p) Neoprene Joint Material

Last Revised: 7/9/2015

Product	Name	Ref. No.
ARMCL 15	Armacell, LLC, 7600 Oakwood Street Extension, P. O. Box 1038, Mebane, NC 27302 <a href="http://www.armacell.us/index.php?id=6">http://www.armacell.us/index.php?id=6</a>	
	Closed-Cell Neoprene Sponge	F-2062
		2005-107Q
MONRP 15	Monmouth Rubber and Plastics, 75 Longbranch Avenue, Long Branch, NJ 07740 <a href="http://www.monmouthrubber.com/">http://www.monmouthrubber.com/</a>	
	Closed-Cell Neoprene Sponge	DK 2121 PADOT
		2005-094Q
RUBAT 15	Rubatex International, LLC, 906 Adams Street, Bedford, VA 24523-2168 <a href="http://www.rubatexusa.com/">http://www.rubatexusa.com/</a>	
	Closed-Cell Neoprene Sponge	G-207-N
	Closed-Cell Neoprene Sponge	R-470
		2006-006Q
		2005-116Q



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### **Section 1108: Post-Tensioning Operations**

#### **1108.03(f) Bonding and Grouting (Admixtures)**

Concrete admixtures previously referenced in this section were moved to Section 711.3, Concrete Admixtures, and are listed as Grout Fluidifiers (GF).



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1109: Guide Rail and Metal Median Barrier

Steel Products Procurement Act applies

For Attenuation Devices, see Section 619

### 1109.01 Guide Rail: Rail Elements and Rubbing Rails

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
DI-HS 15	Di Highway Sign & Structure Corporation, P. O. Box 123, New York Mills, NY 13417-0123	<a href="http://dihighway.com/">http://dihighway.com/</a>	
	Rail Element		1991-345
	Rubbing Rail		1991-345
GREGV 15	Gregory Industries, Inc., 4100 13th Street SW, P.O. Box 80508, Canton, OH 44708	<a href="http://www.gregorycorp.com/gccorp.htm">http://www.gregorycorp.com/gccorp.htm</a>	
	Rail Element		1994-014
	Rubbing Rail		1994-014
HIGSC 15	Highway Safety Corporation, 239 Commerce Street, P. O. Box 358, Glastonbury, CT 06033-0358	<a href="http://www.highwaysafety.net/">http://www.highwaysafety.net/</a>	
	Rail Element		----
	Rubbing Rail		----
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159	<a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a>	
	Rubbing Rail		2012-194Q
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143	<a href="http://rgsteel.com/">http://rgsteel.com/</a>	
	Rail Element		1996-230
	Rubbing Rail		1999-077Q
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420	<a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>	
	Rail Element		----
	<i>For identifiable steel products in this section, see: <a href="#">Identifiable Steel</a></i>		
TRIN2 15	Trinity Highway Products, LLC, 550 East Robb Ave., Lima, OH 45801	<a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>	
	Rail Element		2010-132QA
	<i>For identifiable steel products in this section, see: <a href="#">Identifiable Steel</a></i>		



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## Section 1109: Guide Rail and Metal Median Barrier

### 1109.01 Guide Rail: Rail Elements and Rubbing Rails

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
V&SSE 15	V & S Schuler Engineering, 2240 Allen Ave. S.E., Canton, OH 44707 <a href="http://www.vsschuler.com/">http://www.vsschuler.com/</a>		
	Rubbing Rail		1994-046

### 1109.02 Guide Rail: Terminal Sections

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
DI-HS 15	Di Highway Sign & Structure Corporation, P. O. Box 123, New York Mills, NY 13417-0123 <a href="http://dihighway.com/">http://dihighway.com/</a>		
	Guide Rail Terminal Section		1991-345
GREGV 15	Gregory Industries, Inc., 4100 13th Street SW, P.O. Box 80508, Canton, OH 44708 <a href="http://www.gregorycorp.com/gccorp.htm">http://www.gregorycorp.com/gccorp.htm</a>		
	Guide Rail Terminal Section		1994-281
HIGSC 15	Highway Safety Corporation, 239 Commerce Street, P. O. Box 358, Glastonbury, CT 06033-0358 <a href="http://www.highwaysafety.net/">http://www.highwaysafety.net/</a>		
	Guide Rail Terminal Section		----
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a>		
	Guide Rail Terminal Section		1996-230
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
	Guide Rail Terminal Section		----
TRIN2 15	Trinity Highway Products, LLC, 550 East Robb Ave., Lima, OH 45801 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
	Guide Rail Terminal Section		2010-132QA

### 1109.03 Guide Rail: Posts

Last Revised: 7/9/2015

Reference: Pub 72, Standard Drawings RC-52M, 53M

Attenuation Devices: See Section 619



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## Section 1109: Guide Rail and Metal Median Barrier

### 1109.03 Guide Rail: Posts

Last Revised: 7/9/2015

Reference: Pub 72, Standard Drawings RC-52M, 53M

Attenuation Devices: See Section 619

	Product	Name	Ref. No.
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 Welded Steel Post	<a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>	2008-114Q
DI-HS 15	Di Highway Sign & Structure Corporation, P. O. Box 123, New York Mills, NY 13417-0123 Steel I-Beam Post	<a href="http://dihighway.com/">http://dihighway.com/</a>	1991-344
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 Steel I-Beam Post Welded Steel Post	<a href="http://www.elderlee.com/">http://www.elderlee.com/</a>	1987-158 2006-020Q
GRE-2 15 Plant	Great Southern Wood Preserving, P. O. Box 610, Abbeville, AL 36310 Rocky Mount, VA Breakaway Terminal Foundation Wood Post Breakaway Terminal Wood Post Timber Guide Rail Post	<a href="http://greatsouthernwood.com/">http://greatsouthernwood.com/</a>	2011-163QABC 2011-163QABC 2011-163QABC
GREGV 15	Gregory Industries, Inc., 4100 13th Street SW, P.O. Box 80508, Canton, OH 44708 Steel I-Beam Post	<a href="http://www.gregorycorp.com/gccorp.htm">http://www.gregorycorp.com/gccorp.htm</a>	1995-321
HIGSC 15	Highway Safety Corporation, 239 Commerce Street, P. O. Box 358, Glastonbury, CT 06033-0358 Steel C-Post and Channel Post Steel I-Beam Post Welded Steel Post	<a href="http://www.highwaysafety.net/">http://www.highwaysafety.net/</a>	---- ---- 2005-105Q
IAWP1 15	Iowa Wood Preservers, Inc., 2102 South 17th Street, Oskaloosa, IA 52577 Long Breakaway Timber Post Short Breakaway Timber Post Timber Guide Rail Post		2014-047QD 2014-047QC 2014-047QA



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## Section 1109: Guide Rail and Metal Median Barrier

### 1109.03 Guide Rail: Posts

Last Revised: 7/9/2015

Reference: Pub 72, Standard Drawings RC-52M, 53M

Attenuation Devices: See Section 619

	Product	Name	Ref. No.
MIDWW 15	Midwest Wood Treating, Inc., 4832 Plank Road, P. O. Box 610, Norwalk, OH 44857		
		Breakaway Terminal Foundation Wood Post	1995-252
		Breakaway Terminal Wood Post	1995-252
		Timber Guide Rail Post	1995-252
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 <a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a>		
		Steel I-Beam Post	2012-156Q
		Welded Steel Post	2012-245Q
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a>		
		Steel I-Beam Post	1999-022Q
		Welded Steel Post	2005-134Q
STEJ1 15	Stella-Jones Corporation, 3424 Parkersburg Road, Reedy, WV 25270-9402 <a href="http://stella-jones.com/">http://stella-jones.com/</a> <i>Formerly Burke-Parsons Bowlby (BURPB 15)</i>		
		Timber Guide Rail Post	1998-101
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
		Steel C-Post and Channel Post	----
		Steel I-Beam Post	----
		<i>For identifiable steel products in this section, see: <a href="#">Identifiable Steel</a></i>	
	Welded Steel Post	2007-186Q	
TRIN2 15	Trinity Highway Products, LLC, 550 East Robb Ave., Lima, OH 45801 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
		Steel I-Beam Post	2010-132QB
	<i>For identifiable steel products in this section, see: <a href="#">Identifiable Steel</a></i>		



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## Section 1109: Guide Rail and Metal Median Barrier

### 1109.03 Guide Rail: Posts

Last Revised: 7/9/2015

Reference: Pub 72, Standard Drawings RC-52M, 53M

Attenuation Devices: See Section 619

	Product	Name	Ref. No.
TRIN4 15	Trinity Highway Products, LLC, 200 Dynatex Road, Sunbright, TN 37872 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>	Breakaway Terminal Wood Post	2010-224QA
V&SSE 15	V & S Schuler Engineering, 2240 Allen Ave. S.E., Canton, OH 44707 <a href="http://www.vsschuler.com/">http://www.vsschuler.com/</a>	Steel I-Beam Post	1994-046

### 1109.04 Guide Rail: Offset Brackets

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
CREAT 15	Creative Building Products, 4307 Arden Drive, Fort Wayne, IN 46804-4446 <a href="http://creativebuildingproducts.com/">http://creativebuildingproducts.com/</a>	Plastic Offset Bracket	1996-199
DEKLB 15	DeKALB Molded Plastics, 550 West Main Street, Butler, IN 46721 <a href="http://www.dekalbplastics.com/">http://www.dekalbplastics.com/</a>	Composite Offset Bracket Lightweight	2002-071
MIDWW 15	Midwest Wood Treating, Inc., 4832 Plank Road, P. O. Box 610, Norwalk, OH 44857	Wood Offset Bracket (4" x 8" x 14") Wood Offset Bracket (6" x 8" x 14")	2003-116 1995-185
MONDP 15	Mondo Polymer Technologies, State Route 7, P.O. Box 250, Reno, OH 45773 <a href="http://www.mondopolymer.com/">http://www.mondopolymer.com/</a>	Composite Offset Bracket Plastic Offset Bracket	2002-062Q 2002-062Q
MONM1 15	Monroeville Industrial Molding, 75 Ontario St., Norwalk, OH 44857 <a href="http://www.monroevillemoldings.com/">http://www.monroevillemoldings.com/</a>	Plastic Offset Bracket	2003-017Q





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## Section 1109: Guide Rail and Metal Median Barrier

### 1109.04 Guide Rail: Offset Brackets

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
RAMC1 15	Ramco International, 3102 Estate Drive, Bldg. 1, Oakdale, PA 15071 Plastic Offset Bracket		1999-200Q
STEJ1 15	Stella-Jones Corporation, 3424 Parkersburg Road, Reedy, WV 25270-9402 <a href="http://stella-jones.com/">http://stella-jones.com/</a> <i>Formerly Burke-Parsons Bowlby (BURPB 15)</i> Wood Offset Bracket (6" x 8" x 14")		1998-101
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> Wood Offset Bracket (6" x 8" x 14")		1999-066Q
TRIN4 15	Trinity Highway Products, LLC, 200 Dynatex Road, Sunbright, TN 37872 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> Wood Offset Bracket (6" x 8" x 14")		2010-224QB

### 1109.05 Guide Rail: Miscellaneous Material

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
BENNE 15	Bennett Bolt Works, Inc., 12 Elbridge Street, P. O. Box 922, Jordan, NY 13080 <a href="http://www.bennettboltworks.com/">http://www.bennettboltworks.com/</a> Nut, Bolt, and Washer	Bolts	1985-135A
BIRFM 15	Birmingham Fastener Manufacturing, 931 Avenue W, P.O. Box 10323, Birmingham, AL 35234 Nut, Bolt, and Washer		2011-127Q
CENMC 15	CenMac Metalworks, 1339 E. Fairground Road, Marion, OH 43302 <a href="http://cenmacmetalworks.com/">http://cenmacmetalworks.com/</a> Base Plate, Post Plate, End Post Support Angle, and Hardware		2014-048Q
DAYT3 15 Plant	Dayton Superior Corporation, 1125 Byers Road, Miamisburg, OH 45342 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> Tremont, PA 17981 Anchor Insert Assemblies (A, B, C, and D per BC 734)		2008-070QABCD



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## Section 1109: Guide Rail and Metal Median Barrier

### 1109.05 Guide Rail: Miscellaneous Material

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
DI-HS 15	Di Highway Sign & Structure Corporation, P. O. Box 123, New York Mills, NY 13417-0123 <a href="http://dihighway.com/">http://dihighway.com/</a>		
	Base Plate, Post Plate, End Post Support Angle, and Hardware		1991-344
	Nut, Bolt, and Washer		1991-344
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a>		
	Base Plate, Post Plate, End Post Support Angle, and Hardware		1987-158
	Rotating Bracket		1987-158
HAYDN 15	Haydon Bolts, Inc., 1181 Unity Street, Philadelphia, PA 19124 <a href="http://www.haydonbolts.com/">http://www.haydonbolts.com/</a>		
	Nut, Bolt, and Washer	Bolts	1990-048
HIGSC 15	Highway Safety Corporation, 239 Commerce Street, P. O. Box 358, Glastonbury, CT 06033-0358 <a href="http://www.highwaysafety.net/">http://www.highwaysafety.net/</a>		
	Base Plate, Post Plate, End Post Support Angle, and Hardware		----
	Nut, Bolt, and Washer		----
	Rotating Bracket		1989-180
	Steel Spacer Tube		----
MIDW1 15	Mid West Fabricating Company, 313 North Johns Street, Amanda, OH 43102 <a href="http://midwestfab.com/">http://midwestfab.com/</a>		
	Nut, Bolt, and Washer	Bolts	1999-168Q
MIDW2 15	Mid West Fabricating Company, Rockmill Division, Lancaster, OH 43130 <a href="http://midwestfab.com/">http://midwestfab.com/</a>		
	Nut, Bolt, and Washer	Nuts Only	2012-105Q
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 <a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a>		
	Base Plate, Post Plate, End Post Support Angle, and Hardware		2012-160Q
	Rotating Bracket		2013-096Q
	Steel Spacer Tube		2012-171Q



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## Section 1109: Guide Rail and Metal Median Barrier

### 1109.05 Guide Rail: Miscellaneous Material

Last Revised: 7/9/2015

Attenuation Devices: See Section 619.

	Product	Name	Ref. No.
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a>		
	Base Plate, Post Plate, End Post Support Angle, and Hardware		1994-295
	Rotating Bracket		1994-294
	Steel Spacer Tube		1999-078
SILOF 15	Silo Fasteners, Inc., 1415 South Benham Road, Versailles, IN 47042		
	Nut, Bolt, and Washer	Bolts	1999-135Q
SOEBS 15	Southeastern Bolt and Screw, Inc., 1037 16th Avenue West, Birmingham, AL 35204 <a href="http://www.sebolt.com/index.html">http://www.sebolt.com/index.html</a>		
	Nut, Bolt, and Washer		1991-059
STCBS 15	Steel City Bolt and Screw, LLC, 230 West Valley Road, Birmingham, AL 35201 <a href="http://www.steelcitybolt.com/">http://www.steelcitybolt.com/</a>		
	Nut, Bolt, and Washer	Bolts	1990-036
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
	Base Plate, Post Plate, End Post Support Angle, and Hardware		----
	Nut, Bolt, and Washer		----
	Rotating Bracket		----
TRIN2 15	Trinity Highway Products, LLC, 550 East Robb Ave., Lima, OH 45801 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
	Base Plate, Post Plate, End Post Support Angle, and Hardware		Excluding Steel Tube
	Nut, Bolt, and Washer		Nuts and Bolts Only
			2010-262Q
VAMP- 15	Vamp Company, 28055 Fort Street, Trenton, MI 48133 <a href="http://vampcompany.com/">http://vampcompany.com/</a>		
	Nut, Bolt, and Washer	Nuts Only	2011-073Q

### 1109.08 Guide Rail: Welded Material

Last Revised: 7/9/2015

For Welded Steel Posts, see Section 1109.03.



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1110: Right-of-Way Fence

### 1110.01 Wire Fabric and Components

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
ANCHR 15	Master Halco, Inc., Anchor Fence Division, 1275 N. Keyser Ave., Scranton, PA 18504 <a href="http://www.masterhalco.com/">http://www.masterhalco.com/</a> <i>Formerly Anchor Fence Company.</i>		
	Aluminum-Coated Steel Fabric		1995-243
	Aluminum-Coated Steel Fabric		1995-244
	Galvanized Steel Fabric		----
	Vinyl-Coated Fabric		----
BKERT 15	Bekaert Corporation, 1395 South Marietta Parkway, Building 500, Suite 100, Marietta, GA 30067 <a href="http://www.bekaert.com/en/">http://www.bekaert.com/en/</a>		
	Galvanized Steel Fabric		1999-027Q
KEYSW 15	Keystone Steel & Wire Company, 7000 S. W. Adams Street, Peoria, IL 61641 <a href="http://keystonesteel.com/">http://keystonesteel.com/</a>		
	Galvanized Steel Fabric		2007-038Q
MERME 15	Merchant Metals, 900 Ashwood Parkway, Suite 200, Atlanta, GA 30338 <a href="https://www.merchantsmetals.com/">https://www.merchantsmetals.com/</a>		
	Aluminum-Coated Steel Fabric		2003-191Q
	Galvanized Steel Fabric		2003-190Q
	Vinyl-Coated Fabric		2003-192Q
STASW 15	Stateside Steel and Wire, 304 Wyanoke Road, West Memphis, AR 72301 <a href="http://statesidesteel.com/">http://statesidesteel.com/</a>		
	Aluminum-Coated Steel Fabric		2007-149QB
	Galvanized Steel Fabric		2007-149QA
STEPN 15	Stephens Pipe & Steel, Inc., 10732 Schadel Road Se, Mount Sterling, OH 43143 <a href="http://www.spsfence.com/DefaultBrowser.aspx">http://www.spsfence.com/DefaultBrowser.aspx</a>		
	Galvanized Steel Fabric		2000-090Q

### 1110.02 Posts, Braces, Fittings and Hardware

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
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# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1110: Right-of-Way Fence

### 1110.02 Posts, Braces, Fittings and Hardware

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
ALLTC 15	Allied Tube & Conduit Corporation, 16100 South Lathrop Ave., Harvey, IL 60426 Fence Posts	<a href="http://www.alliedeg.us/">http://www.alliedeg.us/</a>	2000-028Q
ANCHR 15	Master Halco, Inc., Anchor Fence Division, 1275 N. Keyser Ave., Scranton, PA 18504 <i>Formerly Anchor Fence Company.</i> Fence Fittings and Hardware Fence Posts	<a href="http://www.masterhalco.com/">http://www.masterhalco.com/</a>	---- ----
BENNE 15	Bennett Bolt Works, Inc., 12 Elbridge Street, P. O. Box 922, Jordan, NY 13080 Fence Fittings and Hardware Fence Posts	<a href="http://www.bennettboltworks.com/">http://www.bennettboltworks.com/</a>	---- ----
FRANK 15	Franklin Industries, 645 Atlantic Ave., Franklin, PA 16323 Fence Fittings and Hardware Fence Posts	<a href="http://franklinindustriesco.com/">http://franklinindustriesco.com/</a>	---- ----
GREGV 15	Gregory Industries, Inc., 4100 13th Street SW, P.O. Box 80508, Canton, OH 44708 Fence Fittings and Hardware Fence Posts Fence Posts <i>C Fabric up to 5'</i> Fence Posts <i>H Fabric up to 8'</i> Fence Posts <i>Roll-formed C Section fence framework coated with Galvan 1", 2", and 2-3/8".</i>	<a href="http://www.gregorycorp.com/gccorp.htm">http://www.gregorycorp.com/gccorp.htm</a>	1990-291 1990-291 1990-291A 1990-291B 1993-251
LANCC 15	Lancaster Composite, Inc., P.O. Box 27, Millersville, PA 17551-0027 Fence Posts <i>Provisional Approval: CMS Special Provision S00(PD06241A) and ECMS Special Provision P-C06241-A. Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	<a href="http://lancastercomposite.com/">http://lancastercomposite.com/</a> Composite Post 40	1995-239



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1110: Right-of-Way Fence

### 1110.02 Posts, Braces, Fittings and Hardware

Last Revised: 7/9/2015

Steel Products Procurement Act applies.

	Product	Name	Ref. No.
WHETC 15	Wheatland Tube Company, 1 Council Avenue, Wheatland, PA 16161	<a href="http://www.wheatland.com/">http://www.wheatland.com/</a>	
	Fence Posts		1998-110
	Fence Posts		1998-136



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1111: High Load Multi-Rotational Bearings

### 1111.03 High Load Multi-Rotational Bearings

Last Revised: 7/9/2015

Companies not listed must be preapproved by the Structural Materials Engineer, Materials Testing Laboratory, Harrisburg, PA before commencing fabrication.

	Product	Name	Ref. No.
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>		
	Disc Bearing		2005-082Q
	Pot Bearing		2005-082Q
	Spherical Bearing		2005-082Q
CONSV 15	Con-Serv, Inc., 2963 Interstate Parkway, Brunswick, OH 44212 <a href="http://www.con-servinc.com/">http://www.con-servinc.com/</a>		
	Disc Bearing		2003-012Q
	Pot Bearing		2003-012Q
	Spherical Bearing		2003-012Q
COSME 15	Cosmec Inc., 1501 Rocky Ridge Road, Athens, TX 75751 <a href="http://www.cosmecinc.com/">http://www.cosmecinc.com/</a>		
	Pot Bearing		1990-146
	Spherical Bearing		1990-146
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a>		
	Pot Bearing		2001-022Q
LUBTC 15	Lubrite Technologies, 18649 Brake Shoe Road, Meadville, PA 16335-0458 <a href="http://www.usbfmi.com/lube1.htm">http://www.usbfmi.com/lube1.htm</a>		
	Pot Bearing		1990-309AB
	<i>Approved to fabricate non-welded bearings only.</i>		
	Spherical Bearing		1990-309AB
	<i>Approved to fabricate non-welded bearings only.</i>		
NATBR 15	R. J. Watson / National Bridge Company Inc., 11035 Walden Avenue, Alden, NY 14004 <a href="http://www.rjwatson.com/">http://www.rjwatson.com/</a>		
	Disc Bearing		2013-239Q



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## Section 1112: Glued Laminated Hardwood Timber Members

### 1112 Glued Laminated Hardwood Timber Members

Last Revised: 7/9/2015

	Product	Name	Ref. No.
ALAWP 15	Alamco Wood Products, Inc., 1410 West Ninth Street, Albert Lea, MN 56007 Timber Fabricator	<a href="http://www.alamcowood.com/">http://www.alamcowood.com/</a>	2000-236Q
KOPRS 15	Koppers Industries, Inc., 50 Koppers Lane, Montgomery, PA 17752 Timber Treater	<a href="http://www.koppers.com/">http://www.koppers.com/</a>	1999-194Q
NORSO 15	North-South Wood Preserving Company, 160 Preserver Road, North, SC 29112 Timber Treater		2012-117Q
RIGID 15	Rigidply Rafters, Inc., 701 East Linden Street, Richland, PA 17087 Timber Fabricator	<a href="http://www.rigidply.com/">http://www.rigidply.com/</a>	1999-176Q
STEJ2 15	Stella-Jones Corporation, R.R. 3, P. O. Box 275, Dubois, PA 15801 <i>Formerly Burke-Parsons-Bowby Corp. (BURPB 15)</i> Timber Treater	<a href="http://stella-jones.com/">http://stella-jones.com/</a>	2002-079Q





# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section 1113: Plain and Laminated Neoprene Bearing Pads

### 1113 Plain and Laminated Neoprene Bearing Pads

Last Revised: 7/9/2015

Product	Name	Ref. No.
<b>BEDKR 15</b>	<b>Bedell-Kraus, 1350 Commerce Drive, Stow, OH 44224 <a href="http://www.bedellkraus.com/">http://www.bedellkraus.com/</a></b>	
	Plain 50D Neoprene Bearing Pad	2012-251Q
<b>BROWD 15</b>	<b>D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a></b>	
	Plain 50D Neoprene Bearing Pad	1986-117
	Plain 60D Neoprene Bearing Pad	1986-118
	Steel Laminated 50D Neoprene Bearing Pad	1986-119A
	Steel Laminated 60D Neoprene Bearing Pad	1986-119B
<b>BRPMF 15</b>	<b>BRP Manufacturing Company, 637 North Jackson St., P.O. Box 389, Lima, OH 45802-0389 <a href="http://www.brpmfg.com/">http://www.brpmfg.com/</a></b>	
	Plain 60D Neoprene Bearing Pad	2001-174Q
<b>SCOUG 15</b>	<b>Scougal Rubber Corporation, 885 Denmark Dr. Ste. 103b, McCarran, NV 89434 <a href="http://www.scougalrubber.com/">http://www.scougalrubber.com/</a></b>	
	Plain 50D Neoprene Bearing Pad	1998-178
	Plain 60D Neoprene Bearing Pad	1998-178
	Steel Laminated 50D Neoprene Bearing Pad	1998-178
	Steel Laminated 60D Neoprene Bearing Pad	1998-178
<b>SEISM 15</b>	<b>Seismic Energy Products, 518 Progress Way, Athens, TX 75751 <a href="http://www.sepbearings.com/">http://www.sepbearings.com/</a></b>	
	Plain 50D Neoprene Bearing Pad	----
	Plain 60D Neoprene Bearing Pad	----
	Steel Laminated 50D Neoprene Bearing Pad	----
	Steel Laminated 60D Neoprene Bearing Pad	----
<b>VOSSE 15</b>	<b>Voss Engineering, Inc., 6965 North Hamlin Ave., Lincolnwood, IL 60712 <a href="http://www.vossengineering.com/">http://www.vossengineering.com/</a></b>	
	Plain 50D Neoprene Bearing Pad	2000-198Q
	Plain 60D Neoprene Bearing Pad	2000-198Q
<b>WSTAR 15</b>	<b>West American Rubber Company, Inc., 750 North Main Street, Orange, CA 92668 <a href="http://warco.com/">http://warco.com/</a></b>	
	Plain 50D Neoprene Bearing Pad	1999-051Q
	Plain 60D Neoprene Bearing Pad	1999-051Q



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**Section 1113: Plain and Laminated Neoprene Bearing Pads**

**1113.03(h) Bedding Material for Bridge Shoes**

Last Revised: 7/9/2015

	Product	Name	Ref. No.
FABRK 15	Fabreeka International, Inc., 1023 Turnpike Street, P. O. Box 210, Stroughton, MA 02072 <a href="http://www.fabreeka.com/">http://www.fabreeka.com/</a>		
	Bedding Material for Bridge Shoes	FABCO SA47, Type I	1981-022
	Bedding Material for Bridge Shoes	Fabreeka, Type II	----
HBD-1 15	HBD/Thermoid, Inc., 240 Industrial Lane, P.O. Box 4310, Oneida, TN 37841 <a href="http://www.hbdthermoid.com/">http://www.hbdthermoid.com/</a>		
	Bedding Material for Bridge Shoes	No. 24-34-5111-72 Type II	2008-096
VOSSE 15	Voss Engineering, Inc., 6965 North Hamlin Ave., Lincolnwood, IL 60712 <a href="http://www.vossengineering.com/">http://www.vossengineering.com/</a>		
	Bedding Material for Bridge Shoes	SORBTEX, Type II	2000-200Q



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## Section MISC: Miscellaneous

### MISC Anchoring Devices for Use in Vertical Positions Only

Last Revised: 4/8/2015

See Section 516.2(k) for horizontal anchoring applications.

All adhesive, expansion and drop-in anchors are considered Type B "non-safety."

	Product	Name	Ref. No.
ADHTC 15	<b>Adhesives Technology Corporation, 450 East Copans, Pompano Beach, FL 33064</b> <a href="http://www.atcepoxy.com/">http://www.atcepoxy.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	Ultrabond HS-200	2002-048Q
	Anchoring Adhesives and Mechanical Anchors	Ultrabond Speedset-2	1999-032Q
ADVAC 15	<b>Advance Coatings, 42 Depot Road, Westminster, MA 01473</b> <a href="http://advancecoatings.com/">http://advancecoatings.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	KeligROUT 101-P	2004-123QA
	Anchoring Adhesives and Mechanical Anchors	KeligROUT Polyester Adhesive	2004-132Q
DAYT0 15	<b>Dayton Superior Corporation, 1125 Byers Road, Miamisburg, OH 45342-5765</b> <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	Type A and B Anchors, per BC 734	1997-169
EUCLD 15	<b>Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799</b> <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	Dural 452 Gel	2003-098Q
	Anchoring Adhesives and Mechanical Anchors	Dural Fast Set Epoxy LV	1999-183Q
FOGLA 15	<b>Foglia, A &amp; P, Inc., 14 Hickory Drive, East Brunswick, NJ 08816</b>		
	Anchoring Adhesives and Mechanical Anchors	Magnabond	1991-349
HILT- 15	<b>Hilti, Inc., 5400 South 122nd East Ave., P.O. Box 21148, Tulsa, OK 74121</b> <a href="https://www.hilti.com/">https://www.hilti.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	HVA Adhesive Anchor System	1982-088
	Anchoring Adhesives and Mechanical Anchors	RE-500 Anchoring Epoxy	2001-101Q
HILT1 15 Plant	<b>Hilti, Inc., 5400 South 122nd East Ave., P.O. Box 21148, Tulsa, OK 74121</b> <a href="https://www.hilti.com/">https://www.hilti.com/</a> <b>Kaufering, Germany</b>		
	Anchoring Adhesives and Mechanical Anchors	Hilti Hit HY 150 Injection Adhesive	1996-054
	Anchoring Adhesives and Mechanical Anchors	Hit HY 10 PLUS	2014-106QB



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## Section MISC: Miscellaneous

### MISC Anchoring Devices for Use in Vertical Positions Only

Last Revised: 4/8/2015

See Section 516.2(k) for horizontal anchoring applications.

All adhesive, expansion and drop-in anchors are considered Type B "non-safety."

	Product	Name	Ref. No.
ITW-R 15	<b>ITW Red Head, 1300 N. Michael Drive, Wood Dale, IL 60191</b> <a href="http://www.itwredhead.com/">http://www.itwredhead.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	EPCON Ceramic 6 Epoxy System	1988-131
	Anchoring Adhesives and Mechanical Anchors	EPCON Granite 5	1993-276
	Anchoring Adhesives and Mechanical Anchors	EPCON Sys Acrylic 7	1997-027
	Anchoring Adhesives and Mechanical Anchors	Trubolt Wedge Anchor, Galvanized	1992-363A
KAUFM 15	<b>Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131</b> <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
	Anchoring Adhesives and Mechanical Anchors	Sure-Poxy 116	1992-169
	Anchoring Adhesives and Mechanical Anchors	Sure-Poxy 117	1990-371
MEDW0 15	<b>W. R. Meadows, Inc., 300 Industrial Drive, P.O. Box 338, Hampshire, IL 60140-0338</b> <a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	Rezi-Weld Gel Paste Epoxy	1993-280
MKTFS 15	<b>MKT Fastening, LLC, 1 Gunnebo Drive, Lonoke, AR 72086</b> <a href="http://www.mktfastening.com/">http://www.mktfastening.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	Liquid Roc 300 Polyester Pump	1996-092D
	Anchoring Adhesives and Mechanical Anchors	Liquid Roc 300 Twin Tube	1996-092E
	Anchoring Adhesives and Mechanical Anchors	Liquid Roc 500 Epoxy Twin Tube	1996-092F
	Anchoring Adhesives and Mechanical Anchors	Liquid Roc 500 Pump	1998-148
	Anchoring Adhesives and Mechanical Anchors	Sup-R-Stud Wedge Anchor	1996-092B
	Anchoring Adhesives and Mechanical Anchors	Tapered Bolts	1996-092A
PLYGM 15	<b>Polygem, Inc., 1105 Carolina Drive, West Chicago, IL 60185</b> <a href="http://www.polygem.com/">http://www.polygem.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	1257 Epoxy Anchoring Adhesive	1993-270
POWFS 15	<b>Powers Fasteners, Inc., 2 Powers Square, New Rochelle, NY 10801</b> <a href="http://www.powers.com/">http://www.powers.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	Power Bolt	1991-206
	Anchoring Adhesives and Mechanical Anchors	Power Stud Anchors	1991-205



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## Section MISC: Miscellaneous

### MISC Anchoring Devices for Use in Vertical Positions Only

Last Revised: 4/8/2015

See Section 516.2(k) for horizontal anchoring applications.

All adhesive, expansion and drop-in anchors are considered Type B "non-safety."

	Product	Name	Ref. No.
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Marion, OH		
	Anchoring Adhesives and Mechanical Anchors	Sikadur DOT SP 3/4 DBA (Epoxy as Injection Gel)	1989-236
	Anchoring Adhesives and Mechanical Anchors	Sikadur Injection Gel	1989-236
SIKA5 15 Plant	Sika Corporation / 2K Polymer Systems Limited, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Crescent, DE55 7RA U.K.		
	Anchoring Adhesives and Mechanical Anchors	Sikadur Anchor Fix 500	2014-125QB
SIMST 15	Simpson Strong Tie, Inc., 136 Official Road, Addison, IL 60101 <a href="http://www.strongtie.com/">http://www.strongtie.com/</a>		
	Anchoring Adhesives and Mechanical Anchors	Acrylic Tie	1999-223Q
	Anchoring Adhesives and Mechanical Anchors	Simpson Epoxy-Tie	1985-008
UNITX 15	DSC Unitex, 3101 Gardner Ave., Kansas City, MO 64120		
	<i>Formerly Unitex</i>		
	Anchoring Adhesives and Mechanical Anchors	Pro-Poxy 300	1996-016
	Anchoring Adhesives and Mechanical Anchors	Pro-Poxy 300 Fast	1994-093B
	Anchoring Adhesives and Mechanical Anchors	Pro-Poxy 400	2001-228Q

### MISC Bituminous Paving Course, FB Modified

Last Revised: 4/8/2015

	Product	Name	Letter Date	Ref. No.
GORBR 15	Gorman Brother's, Church Street, Port Of Albany, Albany, NY 12202 <a href="http://www.gormanbros.net/index.html">http://www.gormanbros.net/index.html</a>			
	FB Modified			2003-196Q
	FB-3 Modified Wearing Course			2003-196Q



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## Section MISC: Miscellaneous

### MISC Bituminous Paving Course, FB Modified

Last Revised: 4/8/2015

Product	Name	Letter Date	Ref. No.
HEILM 15	Heilman Pavement Specialties, 290 North Pike Road, Sarver, PA 16055-9735 <a href="http://www.hei-way.com/">http://www.hei-way.com/</a>		
	FB Modified	HEI-WAY (HGP)	1/7/1992
	FB-3 Modified Wearing Course	HEI-WAY	1998-134
RUSS6 15	Russell Standard Corporation, P.O. Box 802, Mars, PA 16046 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a>		
Terminal	Mars, PA		
	FB Modified		1994-054
	FB-3 Modified Wearing Course		1996-104
SUIT0 15	Suit-Kote, 1911 Lorings Crossing Rd, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	FB Modified		2003-088Q
	FB-3 Modified Wearing Course		2003-089Q
	<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2707 before using.</i>		

### MISC Coal Tar Epoxy (RCC Pipe Coating)

Last Revised: 4/8/2015

Product	Name	Ref. No.
CARBL 15	Carboline Company, 2150 Schuetz Road, St. Louis, MO 63146 <a href="http://www.carboline.com/">http://www.carboline.com/</a>	
	Coal Tar Epoxy	Bitumastic No. 300-M
ROYST 15	Royston Laboratories Chase Corporation, Inc., 128 First Street, Pittsburgh, PA 15238-3223	
	Coal Tar Epoxy	Roskote-201
		1970-005

### MISC Corrosion Inhibitor

Last Revised: 4/8/2015

Product	Name	Ref. No.
BAS-0 15	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>	
Facility	23700 Chagrin Blvd. Cleveland, OH 44122	
	Corrosion Inhibitor	MasterLife CI 30 (Rheocrete CNI)
	<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>	



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section MISC: Miscellaneous

### MISC Corrosion Inhibitor

Last Revised: 4/8/2015

	Product	Name	Ref. No.	
BAS-0 15 Facility	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> 23700 Chagrin Blvd. Cleveland, OH 44122	Corrosion Inhibitor	MasterLife CI 222 (Rheocrete 222+)	
		<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		1995-15
BAS-1 15 Plant	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Allentown, PA	Corrosion Inhibitor	MasterLife CI 30 (Rheocrete CNI)	
		<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		1998-113
		Corrosion Inhibitor	MasterLife CI 222 (Rheocrete 222+)	1995-105
<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>				
BAS-2 15 Plant	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Gurnee, IL	Corrosion Inhibitor	MasterLife CI 30 (Rheocrete CNI)	
		<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		1998-113
		Corrosion Inhibitor	MasterLife CI 222 (Rheocrete 222+)	1995-105
<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>				
BAS-3 15 Plant	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a> Tipp City, OH	Corrosion Inhibitor	MasterLife CI 30 (Rheocrete CNI)	
		<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		1998-113
		Corrosion Inhibitor	MasterLife CI 222 (Rheocrete 222+)	1995-105
<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>				



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## Section MISC: Miscellaneous

### MISC Corrosion Inhibitor

Last Revised: 4/8/2015

	Product	Name	Ref. No.
BAS-8 15 Plant	BASF Construction Chemicals, LLC, 23700 Chagrin Blvd., Cleveland, OH 44122 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	St. Leonard, Quebec		
	Corrosion Inhibitor	MasterLife CI 30 (Rheocrete CNI)	1998-113
	<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		
	Corrosion Inhibitor	MasterLife CI 222 (Rheocrete 222+)	1995-105
	<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		
GRAC0 15 Facility	W. R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140-1692 <a href="https://grace.com/en-us">https://grace.com/en-us</a>		
	62 Whittemore Ave. Cambridge, MA 02140-1692		
	Corrosion Inhibitor	DCI	2010-102QB
	<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		
	Corrosion Inhibitor	DCI Calcium Nitrite	1980-040
	Corrosion Inhibitor	DCIS	1997-149
GRAC6 15 Plant	W.R. Grace and Company, 62 Whittemore Ave., Cambridge, MA 02140 <a href="https://grace.com/en-us">https://grace.com/en-us</a>		
	Augusta, GA		
	Corrosion Inhibitor	DCI	2010-102QB
	<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		
	Corrosion Inhibitor	DCI Calcium Nitrite	1980-040
	Corrosion Inhibitor	DCIS	1997-149
MINRD 15	Mineral Research & Development, 5910 Pharr Mill Road, Harrisburg, NC 28075-8625 <a href="http://www.mrdc.com/">http://www.mrdc.com/</a>		
	Corrosion Inhibitor	Sika CNI	2010-267Q
	<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at 717-787-2489 before using.</i>		
SIKA1 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>		
	Marion, OH		
	Corrosion Inhibitor	Ferrogard 901 (formerly Armatec 2000)	1996-264

### MISC Crumb Rubber Modifier (CRM) Additive

Last Revised: 4/8/2015





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## Section MISC: Miscellaneous

### MISC Crumb Rubber Modifier (CRM) Additive

Last Revised: 4/8/2015

Use in accordance with project specification (gradation, etc.).

	Product	Name	Ref. No.
LIB-1 15	Liberty Tire Recycling, LLC, 490 Ohio Street, Lockport, NY 14094 Crumb Rubber Modifier (CRM) Additive	<a href="http://libertytire.com/Home.aspx">http://libertytire.com/Home.aspx</a>	2013-098A
LIB-2 15	Liberty Tire Recycling, LLC, 100 Talbot Avenue, Braddock, PA 15104 Crumb Rubber Modifier (CRM) Additive	<a href="http://libertytire.com/Home.aspx">http://libertytire.com/Home.aspx</a>	2013-097A
MAHAN 15	Mahantango Enterprises, Inc., Rr #2, P. O. Box 680, Liverpool, PA 17045 Crumb Rubber Modifier (CRM) Additive	<a href="http://www.mahantango.com/">http://www.mahantango.com/</a>	1994-031
NRIND 15	NRI Industries, Materials Division, 811 Progress Road, Chambersburg, PA 17201 Crumb Rubber Modifier (CRM) Additive		----
SPART 15	Sparton Enterprises, Inc., 3717 Clark Mill Rd., Barberton, OH 44203 Crumb Rubber Modifier (CRM) Additive	<a href="http://spartonenterprises.com/">http://spartonenterprises.com/</a>	1991-072

### MISC Crumb Rubber Modifier (CRM), Treated

Last Revised: 4/8/2015

All listings in this section are provisionally approved.

	Product	Name	Ref. No.
DURCO 15	Duroplas Corporation, 101 Peninsula Drive, North East, MD 21901 Treated Crumb Rubber Modifier (CRM) <i>Provisional Specification: ECMS Special Provision P-c04481-A and P-c04491-A. This Provisional Specification or any manufacturer or product may be withdrawn immediately, if experience demonstrates a problem with the use of Treated Crumb Rubber Modifier (CRM). Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	TYRSOLV	1993-104

### MISC Dust Palliatives

Last Revised: 4/8/2015

Refer to Publication 447, "Approved Products for Lower Volume Local Roads" for specifications.



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## Section MISC: Miscellaneous

### MISC Dust Palliatives

Last Revised: 4/8/2015

Refer to Publication 447, "Approved Products for Lower Volume Local Roads" for specifications.

	Product	Name	Ref. No.
D&DEM 15	D & D Emulsions Inc., 270 Park Avenue East, P.O. Box 1706, Mansfield, OH 44901 Emulsified Petroleum Resins	<a href="http://ddemulsionsinc.com/">http://ddemulsionsinc.com/</a> Coherex	2000-133Q
ENVES 15	Environmental Energy Solutions, LLC, 10027 Route 403 Highway South, Seward, PA 15954 Emulsified Petroleum Resins	<a href="http://www.eesolutionsllc.com/">http://www.eesolutionsllc.com/</a> Ultra Bond 2000	2000-235Q
GAPAC 15	Georga-Pacific Corporation, 777 N. Eldridge Parkway, Houston, TX 77079 Calcium Lignosulfonate	<a href="http://www.gp.com/">http://www.gp.com/</a> Lignosite	1992-110
PENSU 15 Plant	PennzSuppress Corporation, P.O. Box 4993, Lago, TX 78701 77 North Kendall Avenue Bradford, PA 16701 Emulsified Petroleum Resins	<a href="http://pennzsuppress.com/">http://pennzsuppress.com/</a> PennzSuppress-D	1991-177
SUIT0 15	Suit-Kote, 1911 Lorings Crossing Rd, Cortland, NY 13045-5160 Calcium Lignosulfonate	<a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a> CLS	1996-168
SUIT3 15 Facility	Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 Cortland, NY Emulsified Petroleum Resins	<a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>	1997-188

### MISC Epoxy Based Surface Treatment for Bridge Decks

Last Revised: 4/8/2015

Provisional Specification: CMS Special Provision S00(PD10431B); ECMS Special Provision P-C10431-A.

This Provisional Specification or any manufacturer or product may be withdrawn immediately, if experience demonstrates a problem with the use of Epoxy Based Surface Treatment for Bridge Decks.

	Product	Name	Ref. No.
CARG1 15	Cargill, Inc., 15407 Mcginty Road West, Wayzata, MN 55391 Epoxy Based Surface Treatment for Bridge Decks	<a href="http://www.cargill.com/">http://www.cargill.com/</a> Safelane Surface Overlay System	2007-034



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## Section MISC: Miscellaneous

### MISC Epoxy Based Surface Treatment for Bridge Decks

Last Revised: 4/8/2015

Provisional Specification: CMS Special Provision S00(PD10431B); ECMS Special Provision P-C10431-A.

This Provisional Specification or any manufacturer or product may be withdrawn immediately, if experience demonstrates a problem with the use of Epoxy Based Surface Treatment for Bridge Decks.

	Product	Name	Ref. No.
CARG1 15	Cargill, Inc., 15407 Mcginty Road West, Wayzata, MN 55391 <a href="http://www.cargill.com/">http://www.cargill.com/</a> <i>Cargill aggregate must be used (SRL M). System can be used only on roads with Average Daily Traffic (ADT) of 3,000 vehicles or less. Conditionally Approved as an alternate: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>		
EBOND 15	E-Bond Epoxies, Inc, 501 N.E. 33rd Street, Ft. Lauderdale, FL 33334 <a href="http://ebondepoxies.com/">http://ebondepoxies.com/</a> Epoxy Based Surface Treatment for Bridge Decks <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	E-Bond 526	2013-011
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Epoxy Based Surface Treatment for Bridge Decks <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Flexolith	1994-231
POLYC 15 Plant	Poly-Carb, Inc., 33095 Bainbridge Road, Cleveland, OH 44139 <a href="http://www.poly-carb.com/">http://www.poly-carb.com/</a> 125 GNS Court Roberta, GA Epoxy Based Surface Treatment for Bridge Decks <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i> Epoxy Based Surface Treatment for Bridge Decks <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Flexogrid (Mark 163) Mark-154 PA	2000-168Q 2008-140Q
TRASA 15	Transpo Industries, Inc., 20 Jones Street, New Rochelle, NY 10801 <a href="http://www.transpo.com/">http://www.transpo.com/</a> Epoxy Based Surface Treatment for Bridge Decks <i>Conditionally Approved as an alternate: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	T-48 Polysulfide Epoxy Overlay System	2006-046Q



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## Section MISC: Miscellaneous

### MISC Epoxy Based Surface Treatment for Bridge Decks

Last Revised: 4/8/2015

Provisional Specification: CMS Special Provision S00(PD10431B); ECMS Special Provision P-C10431-A.

This Provisional Specification or any manufacturer or product may be withdrawn immediately, if experience demonstrates a problem with the use of Epoxy Based Surface Treatment for Bridge Decks.

	Product	Name	Ref. No.
UNITX 15	<b>DSC Unitex, 3101 Gardner Ave., Kansas City, MO 64120</b> <i>Formerly Unitex</i>		
	Epoxy Based Surface Treatment for Bridge Decks <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Pro-Poxy Type III DOT	2007-002Q

### MISC Expanded Foam Backfill For Post Mounted Signs Types B, C and E

Last Revised: 4/8/2015

Provisional Specification: ECMS Special Provision P-c09311-A, Type B

Provisional Specification: ECMS Special Provision P-c09321-A, Type C

Provisional Specification: ECMS Special Provision P-c09341-A, Type E

	Product	Name	Ref. No.
FOREI 15	<b>Forward Enterprises, Inc., 9430 Telephone Road, Houston, TX 77075</b>		
	Expanded Foam Backfill For Post Mounted Signs Types B, C and E <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Poly-Set HD-2	2000-089
	Expanded Foam Backfill For Post Mounted Signs Types B, C and E <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Poly-Set HD-5	2000-089

### MISC Flexible Weatherproofing Coating for Concrete

Last Revised: 4/8/2015

	Product	Name	Ref. No.
EUCLD 15	<b>Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799</b> <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>		
	Flexible Weatherproofing Coating for Concrete	Dural 355	1988-351



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### MISC Flexible Weatherproofing Coating for Concrete

Last Revised: 4/8/2015

	Product	Name	Ref. No.
PDI-N 15	PDI, Inc., P. O. Box 130, Circle Pines, MN 55014 <a href="http://www.pdi-inc.com/">http://www.pdi-inc.com/</a> Flexible Weatherproofing Coating for Concrete	Plastic Dip UV 1800	1985-179
WATSB 15	Watson Bowman Acme Corporation, 95 Pineview Drive, Amherst, NY 14228 <a href="https://wbacorp.com/">https://wbacorp.com/</a> Flexible Weatherproofing Coating for Concrete	EP Elastic Waterproofing	1987-125

### MISC Galvanic Anodes (Embedded)

Last Revised: 4/8/2015

Provisional Specifications: CMS Special Provision S00(PD07081A) and ECMS Special Provision P-C07081-A.

This Provisional Specification or any manufacturer or product may be withdrawn immediately, if experience demonstrates a problem with the use of Embedded Galvanic Anodes.

All listings in this section are provisionally or conditionally approved. Contact NPI before using: [RA-pdETIPProductUse@pa.gov](mailto:RA-pdETIPProductUse@pa.gov)

	Product	Name	Ref. No.
EUCLD 15	Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799 <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a> Galvanic Anodes (Embedded) <i>ECMS Special Provision P-C07081-A. Conditionally Approved as an alternate: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Sentinel GL	2010-013Q
VECTR 15 Plant	Vector Corrosion Technologies, 13312 North 56th Street, Tampa, FL 33617 <a href="http://www.vector-corrosion.com/">http://www.vector-corrosion.com/</a> Winnipeg, Manitoba Galvanic Anodes (Embedded) <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Galvashield XP	2001-145

### MISC Geosynthetic Clay Liner (GCL)

Last Revised: 4/8/2015

Provisional Specifications: CMS Special Provision S00(PDO2121A) and ECMS Special Provision P-C02121-A.

This Provisional Specification or any manufacturer or product may be withdrawn immediately, if experience demonstrates a problem with the use of Geosynthetic Clay Liner.

All listings in this section are provisionally approved. Contact NPI before using: [RA-pdETIPProductUse@pa.gov](mailto:RA-pdETIPProductUse@pa.gov)



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## Section MISC: Miscellaneous

### MISC Geosynthetic Clay Liner (GCL)

Last Revised: 4/8/2015

Provisional Specifications: CMS Special Provision S00(PDO2121A) and ECMS Special Provision P-C02121-A.

This Provisional Specification or any manufacturer or product may be withdrawn immediately, if experience demonstrates a problem with the use of Geosynthetic Clay Liner.

All listings in this section are provisionally approved. Contact NPI before using: [RA-pdETIPProductUse@pa.gov](mailto:RA-pdETIPProductUse@pa.gov)

	Product	Name	Ref. No.
BNTFX 15	<b>Bentofix Technologies, Inc., 23 Truman Road, Barrie, Ontario L4M 6E7</b>		
	Geosynthetic Clay Liner (GCL)	Bentofix NSL	1999-109Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
CETCO 15	<b>Colloid Environmental Technologies Company, 2870 Forbs Avenue, Hoffman Estates, IL 60192 <a href="http://www.cetco.com/en-us/">http://www.cetco.com/en-us/</a></b>		
	Geosynthetic Clay Liner (GCL)	Bentomat CL	2011-206Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Geosynthetic Clay Liner (GCL)	Bentomat ST	1999-075Q
	<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		

### MISC Geotextile Paving Fabric (Bituminous)

Last Revised: 4/8/2015

AASHTO M288

	Product	Name	Ref. No.
PROP2 15 Plant	<b>Propex, Inc., 4019 Industry Drive, P.O. Box 22788, Chattanooga, TN 37416 <a href="http://www.propexglobal.com/">http://www.propexglobal.com/</a></b> <b>Ringgold, GA</b>		
	Geotextile Paving Fabric (Bituminous)	Petromat 4597	2011-181
TCGEO 15	<b>TenCate Geosynthetics, 365 South Holland Drive, Pendergrass, GA 30567 <a href="http://www.tencate.com/">http://www.tencate.com/</a></b>		
	Geotextile Paving Fabric (Bituminous)	Mirafi MPV 600	2012-183

### MISC High-Tension Cable Median Barrier Systems

Last Revised: 4/8/2015

Publication 13M, Design Manual Part 2 (DM2), Chapter 12,  
Table 12.9 (Design/Location Guidelines for High-Tension Cable Barrier Systems Installed in Medians)



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## Section MISC: Miscellaneous

### MISC High-Tension Cable Median Barrier Systems

Last Revised: 4/8/2015

Publication 13M, Design Manual Part 2 (DM2), Chapter 12,  
Table 12.9 (Design/Location Guidelines for High-Tension Cable Barrier Systems Installed in Medians)

Product	Name	FHWA Acceptance Letter	Ref. No.
BRIF0 15	Brifen USA, Inc., 12501 North Santa Fe Avenue, Oklahoma City, OK 73114 <a href="http://www.brifenus.com/">http://www.brifenus.com/</a> High-Tension Barrier System	Brifen TL-4 Wire Rope Safety Fence (WRSF) (4 Cable)	B-82B 2013-165
NUCR6 15	Nucor Steel Marion, Inc., 912 Cheney Ave., Marion, OH 43302 <a href="http://www.nucor.com/">http://www.nucor.com/</a> High-Tension Barrier System	NU-CABLE TL-4 High Tension Barrier System (4 Cable)	B-167 2010-166B
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> High-Tension Barrier System	CASS S3 TL4 Cable Barrier System (4 Cable)	B-157, B-232 2013-168

### MISC Metal Cribbing

Last Revised: 4/8/2015

Steel Products Procurement Act applies.

Product	Name	Ref. No.
CON00 15	Contech Engineered Solutions, LLC, 9025 Centre Pointe Drive, Suite 400, West Chester, OH 45069 <a href="http://www.conteches.com/">http://www.conteches.com/</a> Metal Cribbing	----
CON06 15 Plant	Contech Engineered Solutions, LLC, 700 Tech Drive, Winchester, KY 40391 <a href="http://www.conteches.com/">http://www.conteches.com/</a> Winchester, KY Metal Cribbing	----
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> Metal Cribbing	----

### MISC Modular Glare Screen

Last Revised: 4/8/2015

Product	Name	Ref. No.
CARST 15	Carsonite International Corporation, Carsonite Composites, 19845 US Highway 76, Newberry, SC 29108 <a href="http://www.carsonite.com/">http://www.carsonite.com/</a>	



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### MISC Modular Glare Screen

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Product	Name	Ref. No.
CARST 15	Carsonite International Corporation, Carsonite Composites, 19845 US Highway 76, Newberry, SC 29108 <a href="http://www.carsonite.com/">http://www.carsonite.com/</a> Modular Glare Screen	1984-159
SAFHC 15	Safe-Hit Corporation, a Division of Energy Absorption Systems, Inc., A Trinity Industries, Inc. Company, 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://www.safehitx.com/html/safehit/index.html">http://www.safehitx.com/html/safehit/index.html</a> Modular Glare Screen	Anti-Glare Shield System 1991-053

### MISC PA Structure Mounted Guide Rail Bridge Barrier (BD-609M)

Last Revised: 4/8/2015

Product	Name	Ref. No.
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2014-195QN
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2008-114Q
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a> <i>Formerly Foster Precise Structural Products (FOSPR).</i> PA Structure Mounted Guide Rail Bridge Barrier	2010-246Q
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2009-025Q
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2010-015Q
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 <a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2012-247Q
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2007-189Q





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## Section MISC: Miscellaneous

### MISC PA Structure Mounted Guide Rail Bridge Barrier (BD-609M)

Last Revised: 4/8/2015

Product	Name	Ref. No.
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 <a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2013-133QC
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a> PA Structure Mounted Guide Rail Bridge Barrier	2008-123Q

### MISC Photovoltaic Modules

Last Revised: 4/8/2015

Must satisfy requirements of Section 910.3(u)3 and 910.3(v).

Approval for use granted only on a project-by-project basis by Special Provision in the contract.

Use in rural areas where cost-effectiveness can be demonstrated.

Product	Name	Letter Date	Ref. No.
KYOCE 15	Kyocera International, Inc., 8611 Balboa Ave., San Diego, CA 92123 <a href="http://americas.kyocera.com/">http://americas.kyocera.com/</a> Photovoltaic Modules	1/4/1991	-----

### MISC Polymer Modified and Special Cements, Mortars, and Concrete

Last Revised: 4/8/2015

Product	Name	Cement Usage	Ref. No.
BASBS 15	BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379 <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	MasterEmaco N 400 (formerly HB2 Repair Mortar)	Vertical and Overhead 1983-080
	Polymer Modified and Special Cements, Mortars, and Concrete	MasterEmaco S 466 CI (formerly Emaco S66 CI)	Vertical and Overhead 1994-284
	Polymer Modified and Special Cements, Mortars, and Concrete	MasterEmaco S 488 CI (formerly Emaco S88 CI)	1992-034
	Polymer Modified and Special Cements, Mortars, and Concrete	MasterEmaco T 310 CI (formerly Emaco R310 CI)	1994-024
	<i>Not Rapid Hardening</i>		



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## Section MISC: Miscellaneous

### MISC Polymer Modified and Special Cements, Mortars, and Concrete

Last Revised: 4/8/2015

Product	Name	Cement Usage	Ref. No.
<b>BASBS 15</b>	<b>BASF Corporation Building Systems, 889 Valley Park Drive, Shakopee, MN 55379</b> <a href="https://www.basf.com/us/en.html">https://www.basf.com/us/en.html</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	MasterEmaco T 415 (formerly Emaco T415 Mortar Metallic)	1971-043
<b>CEMX6 15</b>	<b>Cemex, Inc., 3250 Linebaugh Road, Xenia, OH 45385</b> <a href="http://www.cemex.com/">http://www.cemex.com/</a>		
<b>Plant</b>	<b>Fairborn, OH</b>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Type M Masonry Cement	2010-233QA
	Polymer Modified and Special Cements, Mortars, and Concrete	Type S Masonry Cement	2010-233QB
<b>CETEC 15</b>	<b>Ceratech, Inc., 3501 Brehms Lane Suite D, Baltimore, MD 21213</b> <a href="http://www.ceratechinc.com/">http://www.ceratechinc.com/</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Pavemend SL	2010-276
	<i>Conditionally Approved: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Pavemend SLQ	2010-277
	<i>Conditionally Approved: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Pavemend VR	2007-064Q
<b>CHEMM 15</b>	<b>Chem Masters, 300 Edward Street, Madison, OH 44057</b> <a href="http://www.chemmasters.net/">http://www.chemmasters.net/</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Speed Patch	1996-135
<b>CRAF0 15</b>	<b>Crafco, Inc., 420 North Roosevelt Avenue, Chandler, AZ 85226</b> <a href="http://www.crafco.com/">http://www.crafco.com/</a>		
<b>Plant</b>	<b>121 Industrial Park Road Halls, TN 38040</b>		
	Polymer Modified and Special Cements, Mortars, and Concrete	TechCrete	2013-114
	<i>Conditionally Approved: Manufacturer must contact NPI two weeks before placement on a PennDOT project each time the product is used. <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>		



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## Section MISC: Miscellaneous

### MISC Polymer Modified and Special Cements, Mortars, and Concrete

Last Revised: 4/8/2015

Product	Name	Cement Usage	Ref. No.
CTS-1 15	CTS Cement Manufacturing Company, 11065 Knott Ave., Suite A, Cypress, CA 90630 <a href="http://www.ctscement.com/">http://www.ctscement.com/</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Chem Comp III / Komponent (for Type K)	1989-085
	Polymer Modified and Special Cements, Mortars, and Concrete	CTS Type K	2001-161Q
	Polymer Modified and Special Cements, Mortars, and Concrete	Rapid Set Cement	1986-358
DAYT1 15	Dayton Superior Corporation, 4226 Kansas Avenue, Kansas City, KS 66106 <a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Acrylic Bonding Agent J40, formerly Day Chem, AD Bond (J-40)	1995-161
	Polymer Modified and Special Cements, Mortars, and Concrete	HD-25VO, formerly HD-25	Vertical and Overhead 1999-207Q
	Polymer Modified and Special Cements, Mortars, and Concrete	Rapid Set Concrete Mix, Section 624.2(c)	1993-092
ESS-7 15 Plant	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Nazareth, PA		
	Polymer Modified and Special Cements, Mortars, and Concrete	Type M Cement	2002-108Q
	Polymer Modified and Special Cements, Mortars, and Concrete	Type N Cement	2002-109Q
ESS13 15 Plant	Essroc Materials, Inc., Italcementi Group, 3251 Bath Pike, Nazareth, PA 18064 <a href="http://www.essroc.com/">http://www.essroc.com/</a>		
	Speed, IN		
	Polymer Modified and Special Cements, Mortars, and Concrete	Brixment Type M Cement	2012-163QA
	Polymer Modified and Special Cements, Mortars, and Concrete	Brixment Type N Cement	2012-163QB
	Polymer Modified and Special Cements, Mortars, and Concrete	Brixment Type S Cement	2012-163QC



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## Section MISC: Miscellaneous

### MISC Polymer Modified and Special Cements, Mortars, and Concrete

Last Revised: 4/8/2015

Product	Name	Cement Usage	Ref. No.
EUCLD 15	<b>Euclid Chemical Company, 19218 Redwood Road, Cleveland, OH 44110-2799</b> <a href="http://www.euclidchemical.com/">http://www.euclidchemical.com/</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Concrete Top Supreme	2002-159Q
	Polymer Modified and Special Cements, Mortars, and Concrete	Dural Top Gel	Vertical and Overhead 1996-224
	Polymer Modified and Special Cements, Mortars, and Concrete	Eucocrete	2002-154Q
	Polymer Modified and Special Cements, Mortars, and Concrete	Speedcrete Red Line	Vertical and Overhead 2001-143Q
	Polymer Modified and Special Cements, Mortars, and Concrete	Thin Top Supreme	2002-158Q
FLETE 15	<b>Flexkrete Technologies, 1181 Terrace Manor, Prosper, TX 75078</b> <a href="http://flexkrete.com/">http://flexkrete.com/</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	Flexkrete Technologies 102	2003-077Q
HBFUL 15 Plant	<b>H. B. Fuller, 1200 Willow Lake Boulevard, St. Paul, MN 55110-5101</b> <a href="http://www.hbfuller.com/">http://www.hbfuller.com/</a>		
	<b>H. B. Fuller Fairless Hills, PA 19030</b>		
	Polymer Modified and Special Cements, Mortars, and Concrete	ProSpec Blend Crete	Pre-cast, Prestressed and Dry-Cast Cosmetic Repairs Only 1987-072
IMCTI 15	<b>IMCO Technologies, Inc., 350 Wentworth St. North,, Hamilton, Ontario Canada L8L5W3</b>		
	Polymer Modified and Special Cements, Mortars, and Concrete	MG-Krete 1260	2008-122Q
KAUFM 15	<b>Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226-1131</b> <a href="http://www.kaufmanproducts.net/">http://www.kaufmanproducts.net/</a>		
	Polymer Modified and Special Cements, Mortars, and Concrete	HiCap Light Patching Compound	1994-269
	Polymer Modified and Special Cements, Mortars, and Concrete	HiCap Patching Compound	Pre-cast, Prestressed and Dry-Cast Cosmetic Repairs Only 1992-295
	Polymer Modified and Special Cements, Mortars, and Concrete	PipeWipe	Pre-cast, Prestressed and Dry-Cast Cosmetic Repairs Only 2004-033Q



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## Section MISC: Miscellaneous

### MISC Polymer Modified and Special Cements, Mortars, and Concrete

Last Revised: 4/8/2015

Product	Name	Cement Usage	Ref. No.	
LAFR7 15 Plant	Lafarge North America, Northeast Region, 5160 Main Street, Whitehall, PA 18052 <a href="http://www.lafarge-na.com/">http://www.lafarge-na.com/</a>			
	Whitehall, PA			
	Polymer Modified and Special Cements, Mortars, and Concrete	T-SF Blended	Not Approved for ASR Mitigation	1998-013
	Polymer Modified and Special Cements, Mortars, and Concrete	Type I-E (Enhanced)		2008-037Q
NATPC 15	National Permacrete Company, 590 N. Vally Forge Rd., P. O. Box 886, Deon, PA 19333			
	Polymer Modified and Special Cements, Mortars, and Concrete	Permacrete	Pre-cast, Prestressed and Dry-Cast Cosmetic Repairs Only	1998-168
QUIKR 15 Plant	The Quikrete Companies, One Securities Centre, 3490 Piedmont Road, N.E. Suite 1300, Atlanta, GA 30305 <a href="http://www.quikrete.com/">http://www.quikrete.com/</a>			
	Latrobe, PA			
	Polymer Modified and Special Cements, Mortars, and Concrete	FastSetTM Cement	Vertical and Overhead	2000-287Q
	Polymer Modified and Special Cements, Mortars, and Concrete	FastSetTM Repair Mortar	Vertical and Overhead	2000-291Q
	Polymer Modified and Special Cements, Mortars, and Concrete	FastSetTM Commercial Grade Concrete Mix	Vertical and Overhead	2000-288Q
	Polymer Modified and Special Cements, Mortars, and Concrete	FastSetTM Dot Mix	Vertical and Overhead	2003-004Q
	Polymer Modified and Special Cements, Mortars, and Concrete	FastSetTM Non-Shrink Grout	Vertical and Overhead	2000-292Q



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### MISC Polymer Modified and Special Cements, Mortars, and Concrete

Last Revised: 4/8/2015

Product	Name	Cement Usage	Ref. No.	
<b>SIKA0 15 Facility</b>	<b>Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> 2K Polymer Systems Limited 1682 Marion Williamsport Road Venture Crescent, DE55 7RA</b>			
	Polymer Modified and Special Cements, Mortars, and Concrete	Sika Cem 133	Vertical and Overhead	1992-006
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikadur 42 Grout Pak (for seating base plates)		1992-005
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 111		1978-043
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 121		1980-016
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 122		1979-036
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 123	Vertical and Overhead	1982-007
<b>SIKA1 15 Plant</b>	<b>Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a> Marion, OH</b>			
	Polymer Modified and Special Cements, Mortars, and Concrete	Sika Cem 133	Vertical and Overhead	1992-006
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikadur 42 Grout Pak (for seating base plates)		1992-005
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 111		1978-043
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 121		1980-016
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 122		1979-036
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 123	Vertical and Overhead	1982-007



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## Section MISC: Miscellaneous

### MISC Polymer Modified and Special Cements, Mortars, and Concrete

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	Product	Name	Cement Usage	Ref. No.
SIKA2 15 Plant	Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071 <a href="http://usa.sika.com/">http://usa.sika.com/</a>			
	Lyndhurst, NJ			
	Polymer Modified and Special Cements, Mortars, and Concrete	Sika Cem 133	Vertical and Overhead	1992-006
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikadur 42 Grout Pak (for seating base plates)		1992-005
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 111		1978-043
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 121		1980-016
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 122		1979-036
	Polymer Modified and Special Cements, Mortars, and Concrete	Sikatop Plus 123	Vertical and Overhead	1982-007
USCPR 15 Plant	US Concrete Products, 16 Green Meadow Drive, Suite 202, Timonium, MD 21093 <a href="http://www.uscproducts.com/">http://www.uscproducts.com/</a>			
	Baltimore, MD			
	Polymer Modified and Special Cements, Mortars, and Concrete	High Power Cement		2002-141Q
	Polymer Modified and Special Cements, Mortars, and Concrete	High Power DOT Grade Repair Mortar		2002-140Q
	Polymer Modified and Special Cements, Mortars, and Concrete	High Power Fast Setting Concrete		2003-147Q
USGY1 15	U. S. Gypsum Company, Industrial Products, 125 South Franklin Street, Chicago, IL 60606-4678			
	Polymer Modified and Special Cements, Mortars, and Concrete	Duracal (Air Entrainment)		1971-073

### MISC Pipe Penetrating Sealers to Reduce Chlorine Penetration of Concrete

Last Revised: 4/8/2015

The products previously listed in this Section have been moved to Section 1019.2(c) Penetrating Sealers (For Reinforced Concrete Substructure Surfaces) and/or Section 1019.2(d) Penetrating Sealers (For Bridge Superstructure).

AASHTO T259, AASHTO T260, FHWA RD 78-35, Section 4.B.77



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section MISC: Miscellaneous

### MISC Precast Concrete Products

Last Revised: 4/8/2015

For Approval: DM4, Volume 1, Part A, Section 1:12

#### Approved Bridge and Structure Products

Product	Name	SOL Number	Ref. No.
ADVIT 15	<b>Advanced Infrastructure Technologies, LLC, 20 Godfrey Dr., Orono, ME 04473</b> Alternate Concrete Arch System (Non-Precast) <i>Clear Span Length: 20 feet to 65 feet; Skew Angle: 50 degrees to 90 degrees; Structure configuration: Simple Span; Roadways with ADTT less than 500</i>	483-14-05	2013-236
BRAYP 15	<b>Brayman Precast, Precast Division, 2900 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.braymanprecast.com/">http://www.braymanprecast.com/</a></b> <i>Formerly Advantage Precast Solutions LLC (ADVPS 15)</i> Earth Retainment System	Wall Lagging	2012-169Q
BYCRT 15	<b>By-Crete, 517 King Street, RD #1, Lebanon, PA 17042 <a href="http://www.bycrete.com/">http://www.bycrete.com/</a></b> Earth Retainment System	Wall Lagging	2012-032Q
CONCR 15	<b>Concrete Concepts, Inc., 1095 Thompson Avenue, P.O. Box 272, McKees Rocks, PA 15136 <a href="http://www.concreteconcepts.com/">http://www.concreteconcepts.com/</a></b> Earth Retainment System	Foster Geotechnical (MSE wall)	----
	Earth Retainment System	Reinforced Earth Company (MSE wall)	----
	Earth Retainment System	Wall Lagging	----
CONSS 15	<b>Concrete Safety Systems, LLC, 9190 Old Route 22, Bethel, PA 19507 <a href="http://concretesafety.com/">http://concretesafety.com/</a></b> Earth Retainment System	Foster Geotechnical (MSE wall)	----
	Earth Retainment System	Reinforced Earth Company (MSE wall)	----
DAILY 15	<b>Dailey, W. E., Inc., RR1A Box 51, Airport Road, Shaftsbury, VT 05262 <a href="http://wedailey.com/">http://wedailey.com/</a></b> Earth Retainment System	Reinforced Earth Company (MSE wall)	1995-070
EAGLE 15	<b>Eagle Concrete Products, P.O. Box 585, Somerset, PA 15501</b> Earth Retainment System	Wall Lagging	2002-135Q





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## Section MISC: Miscellaneous

### MISC Precast Concrete Products

Last Revised: 4/8/2015

For Approval: DM4, Volume 1, Part A, Section 1:12

#### Approved Bridge and Structure Products

Product	Name	SOL Number	Ref. No.
<b>FADD1 15</b>	<b>Faddis Concrete Products, 3515 Kings Highway, Downingtown, PA 19335 <a href="http://www.faddis.com/">http://www.faddis.com/</a></b>		
Earth Retainment System	Dura-Hold	431-11-10	1999-190Q
Earth Retainment System	Reinforced Earth Company (MSE wall)		2011-214Q
Earth Retainment System	Wall Lagging		2007-127Q
<b>FADD2 15</b>	<b>Faddis Concrete Products, 205 West Washington Street, New Castle, PA 16101 <a href="http://www.faddis.com/">http://www.faddis.com/</a></b>		
Earth Retainment System	Reinforced Earth Company (MSE wall)		2011-070Q
Earth Retainment System	T-Wall Units (The Neel Company)	483-13-07 rev. III	2003-045Q
Earth Retainment System	Wall Lagging		2001-121Q
<b>FADD3 15</b>	<b>Faddis Concrete Products, 210 Hinterleiter Road, Kutztown, PA 19530 <a href="http://www.faddis.com/">http://www.faddis.com/</a></b>		
Earth Retainment System	Foster Geotechnical (MSE wall)		2003-075Q
Earth Retainment System	Reinforced Earth Company (MSE wall)		2012-047Q
Earth Retainment System	T-Wall Units (The Neel Company)	483-13-07 rev. III	2005-019Q
Earth Retainment System	Wall Lagging		2014-267Q
<b>FADD4 15</b>	<b>Faddis Concrete Products, 36 North Plum Creek Road, Roaring Spring, PA 16673 <a href="http://www.faddis.com/">http://www.faddis.com/</a> <i>Formerly Ellenberger Precast &amp; Supply Inc. (ELLPS 15)</i></b>		
Earth Retainment System	Reinforced Earth Company (MSE wall)		2011-183Q
Earth Retainment System	T-Wall Units (The Neel Company)	483-13-07 rev. III	2006-057Q
Earth Retainment System	Wall Lagging		2011-185Q



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## Section MISC: Miscellaneous

### MISC Precast Concrete Products

Last Revised: 4/8/2015

For Approval: DM4, Volume 1, Part A, Section 1:12

#### Approved Bridge and Structure Products

	Product	Name	SOL Number	Ref. No.
FTML1 15	Fort Miller Company, Inc., P.O. Box 98, Schuylerville, NY 12871-0098 <a href="http://www.fortmiller.com/">http://www.fortmiller.com/</a>			
	Earth Retainment System	T-Wall Units (The Neel Company)	483-13-07 rev. III	2005-042Q
	Precast Bridge Superstructure	Inverset	431-96-49	1990-117
GADSP 15	Garden State Precast, Inc., P. O. Box 702, Farmingdale, NJ 07727 <a href="http://gardenstateprecast.com/">http://gardenstateprecast.com/</a>			
	Earth Retainment System	Stone Strong System		2009-187
GCLI- 15	GCL, Inc., 2559 Brandt School Road, Heritage Center, Suite 200, Wexford, PA 15090 <a href="http://cambergroup.com/gclinc.htm">http://cambergroup.com/gclinc.htm</a>			
	Earth Retainment System	Wall Lagging		2011-240Q
HYDR1 15	Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 2000 Gregg Station Road, Oakdale, PA 15071 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a>			
	Precast Concrete Arch System	Con-Span (Ref. No. 1986-353)		----
	<i>Provisional Approval: CMS Special Provision S00(ID10841A) and ECMS Special Provision I-c1084-A.</i>			
HYDR3 15	Hydro Conduit Corporation dba Rinker Materials/Concrete Pipe Division, 4200 Universal Drive, Diamond, OH 44412 <a href="http://www.rinkerpipe.com/">http://www.rinkerpipe.com/</a>			
	Precast Concrete Arch System	Con-Span (Ref. No. 1986-353)		----
	<i>Provisional Approval: CMS Special Provision S00(ID10841A) and ECMS Special Provision I-c1084-A.</i>			
INTSS 15	Interstate Safety Service, Inc., 1301 Winola Road, Clarks Summit, PA 18411			
	Earth Retainment System	Wall Lagging		2013-054Q
J&RS1 15	J & R Slaw, Inc., P.O. Box D, Bowanstown, PA 18030 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a>			
	Alternate Precast Concrete Parapet	Barlock		----
	Earth Retainment System	Foster Geotechnical (MSE wall)		----
	Earth Retainment System	Reinforced Earth Company (MSE wall)		----
	Earth Retainment System	Wall Lagging		----
	Precast Bridge Superstructure	Inverset	431-96-49	2006-202Q



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## Section MISC: Miscellaneous

### MISC Precast Concrete Products

Last Revised: 4/8/2015

For Approval: DM4, Volume 1, Part A, Section 1:12

#### Approved Bridge and Structure Products

	Product	Name	SOL Number	Ref. No.
J&RS2 15	J & R Slaw, Inc., 438 Riverview Road, Lehighton, PA 18235 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a> Earth Retainment System	Rett Wall		2011-203
MACK0 15	Mack Industries of PA, Inc., 2207 Sodom-Hutchings Road, Vienna, OH 44473 <a href="http://www.mackconcrete.com/">http://www.mackconcrete.com/</a> Earth Retainment System	Wall Lagging		2008-093Q
MIDAP 15	Mid Atlantic Precast Inc., 401 Railroad Street, Monongahela, PA 15063 Earth Retainment System	Dura-Hold	431-11-10	1995-144
MILL0 15	A. C. Miller Concrete Products, P.O. Box 93, Route 22, Blairsville, PA 15717 <a href="http://www.acmiller.com/">http://www.acmiller.com/</a> Precast Concrete Arch System  <i>Provisional Approval: CMS Special Provision S00(ID10841A) and ECMS Special Provision I-c1084-A.</i>	Con-Span (Ref. No. 1986-353)		2000-072Q
NORPP 15	Northeast Prestressed Products LLC, 121 River Street, Cressona, PA 17929-1133 <a href="http://www.nppbeams.com/">http://www.nppbeams.com/</a> Earth Retainment System Earth Retainment System	Evergeen Wall Universal Wall System (U-Wall)	483-13-11	----- 2011-221
OLP-1 15	Oldcastle Precast, 200 Keystone Drive, Telford, PA 18969 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> Precast Concrete Arch System Precast Concrete Arch System  <i>Provisional Approval: CMS Special Provision S00(ID10841A) and ECMS Special Provision I-c1084-A.</i>	Bebo Bridge System (Ref. No. 1998-211) Con-Span (Ref. No. 1986-353)		----- 2006-072Q
OLP-2 15	Oldcastle Precast, 3900 Glover Road, Easton, PA 18040 <a href="http://www.oldcastleprecast.com/Pages/default.aspx">http://www.oldcastleprecast.com/Pages/default.aspx</a> <b>Formerly Modern Precast Concrete (MPCP1 15)</b> Earth Retainment System Earth Retainment System	T-Wall Units (The Neel Company) Wall Lagging	483-13-07 rev. III	2009-150Q 2008-098Q



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## Section MISC: Miscellaneous

### MISC Precast Concrete Products

Last Revised: 4/8/2015

For Approval: DM4, Volume 1, Part A, Section 1:12

#### Approved Bridge and Structure Products

Product	Name	SOL Number	Ref. No.
SIDP1 15	Sidley Precast Division of R.W. Sidley, Inc., 88 East Hillis Street, Youngwood, PA 15697 <a href="http://www.sidleyprecast.com/">http://www.sidleyprecast.com/</a> Earth Retainment System	Wall Lagging	2010-204Q
TERH0 15	Terre Hill Concrete Products, P.O. Box 10, Terre Hill, PA 17581 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a> Precast Concrete Arch System  <i>Provisional Approval: CMS Special Provision S00(ID10841A) and ECMS Special Provision I-c1084-A</i>	Con-Span (Ref. No. 1986-353)	2009-013Q
TERH1 15 Plant	Terre Hill Concrete Products, 42 South Butler Road, Lebanon, PA 17042 <a href="http://www.terrehill.com/">http://www.terrehill.com/</a> Lebanon, PA Precast Concrete Arch System	Con-Span (Ref. No. 1986-353)	2001-141Q
	<i>Provisional Approval: CMS Special Provision S00(ID10841A) and ECMS Special Provision I-c1084-A</i>		
WHICO 15	L. C. Whitford Company, 164 North Main Street, P.O. Box 663, Wellsville, NY 14895 <a href="http://www.lcwhitford.com/">http://www.lcwhitford.com/</a> Earth Retainment System	Wall Lagging	2007-042Q
WILLA 15	K. J. Williams Concrete Company, Inc., P.O. Box 5137, Cresaptown, MD 21505-5137 Earth Retainment System	Foster Geotechnical (MSE wall)	----
	Earth Retainment System	Reinforced Earth Company (MSE wall)	----

### MISC Sediment Filter Bag

Last Revised: 4/8/2015

CMS Special Provision S00 (ID08581A)

ECMS Special Provision I-C08581-A

Product	Name	Ref. No.
ACF-2 15	ACF Environmental, Inc., 2831 Cardwell Road, Richmond, VA 23234 <a href="http://www.acfenvironmental.com/view.aspx?page=home">http://www.acfenvironmental.com/view.aspx?page=home</a> Sediment Filter Bag	Dirt Bag 1995-156



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## Section MISC: Miscellaneous

### MISC Sediment Filter Bag

Last Revised: 4/8/2015

CMS Special Provision S00 (ID08581A)

ECMS Special Provision I-C08581-A

	Product	Name	Ref. No.
ENVGE 15	Environmental Geosynthetics, 1314 State Road, Coopersburg, PA 18036 <a href="http://www.environmentalgeosynthetics.com/">http://www.environmentalgeosynthetics.com/</a> Sediment Filter Bag	Protector 1515 10 oz Filter Bag	2005-036Q
INDVA 15	Indian Valley Industries, Inc., 100 Corliss Avenue, Johnson City, NY 13790 Sediment Filter Bag	1515 Filter Bag	2001-020Q
JOHNS 15	Johnston-Morehouse Dickey Company, 5401 Progress Boulevard, P.O. Box 173, Bethel Park, PA 15102 <a href="http://www.jmdcompany.com/">http://www.jmdcompany.com/</a> Sediment Filter Bag	Enviro-Protection Bag	1997-122
ROBER 15	Frank Roberts and Sons, Inc., 1130 Robertsville Road, Punxsutawney, PA 15767 <a href="http://www.frankrobertsandsons.com/">http://www.frankrobertsandsons.com/</a> Sediment Filter Bag	FB-3 Filter Bag	1995-019

### MISC Special Bituminous Patching Material

Last Revised: 4/8/2015

Note: Volatile Organic Compound (VOC) Content is not considered in the approval process for products in this section.

	Product	Name	Ref. No.
COLMM 15	Cold Mix Manufacturing Corporation, 120-30 28th Street, Flushing, NY 11354 Special Bituminous Patching Material	GreenPatch Cold Asphalt Patching Material	2013-034M
CRAF0 15 Plant	Crafco, Inc., 420 North Roosevelt Avenue, Chandler, AZ 85226 <a href="http://www.crafco.com/">http://www.crafco.com/</a> 121 Industrial Park Road Halls, TN 38040 Special Bituminous Patching Material <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIProductUse@pa.gov">RA-pdETIProductUse@pa.gov</a></i>	Crafco HP Cold Patch	2011-136
	Special Bituminous Patching Material	Polypatch Type 1, Hot Applied	2000-064
	Special Bituminous Patching Material	Polypatch Type 2, Hot Applied	2000-064
	Special Bituminous Patching Material	Polypatch Type 3, Hot Applied	2000-064



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## Section MISC: Miscellaneous

### MISC Special Bituminous Patching Material

Last Revised: 4/8/2015

Note: Volatile Organic Compound (VOC) Content is not considered in the approval process for products in this section.

Product	Name	Ref. No.
<b>EZSCO 15</b> EZ Street Company, 1786 NW 82nd Avenue, Miami, FL 33126 <a href="http://www.asphaltrepair.net/">http://www.asphaltrepair.net/</a> Special Bituminous Patching Material <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	EZ Street Cold Asphalt Patching Material	2007-007Q
<b>HEILM 15</b> Heilman Pavement Specialties, 290 North Pike Road, Sarver, PA 16055-9735 <a href="http://www.hei-way.com/">http://www.hei-way.com/</a> Special Bituminous Patching Material Special Bituminous Patching Material Special Bituminous Patching Material	HEI-Way General Purpose Permanent Patching Material HEI-Way Latex Modified Permanent Patching Material HEI-Way Premium Stockpile Permanent Patching Material	1983-128 1983-127 1980-077
<b>INNMU 15</b> Innovative Municipal U.S., Inc., P.O. Box 712, Niagara Falls, NY 14302 Special Bituminous Patching Material <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Propatch High Performance	2008-146Q
<b>QPR-1 15</b> QPR, Division of the Quikrete Company, 12735 Morris Road, Alpharetta, GA 30004 <a href="http://www.quikrete.com/">http://www.quikrete.com/</a> Special Bituminous Patching Material <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	QPR High Performance Cold Patch	2004-153Q
<b>ROAPR 15</b> Roadstone Productions, LLC, 247 Industrial Way, Troy, VA 22974 Special Bituminous Patching Material <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	Aquaphalt	2012-198
<b>RUSS1 15</b> Russell Standard Corporation, 990 Hazel Street, Akron, OH 44305 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a> Special Bituminous Patching Material	Jasa HP Cold Patch	2011-123
<b>RUSS2 15</b> Russell Standard Corporation, #2 Prestley Road, Bridgeville, PA 15017 <a href="http://www.russellstandard.com/">http://www.russellstandard.com/</a> Special Bituminous Patching Material	Polypave Stockpile Patch	1982-025



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## Section MISC: Miscellaneous

### MISC Special Bituminous Patching Material

Last Revised: 4/8/2015

Note: Volatile Organic Compound (VOC) Content is not considered in the approval process for products in this section.

	Product	Name	Ref. No.
SEABD 15	Seaboard Asphalt Products Company, 3601 Fairfield Road, Baltimore, MD 21226 <a href="http://seboardasphalt.com/">http://seboardasphalt.com/</a>		
	Special Bituminous Patching Material	BOND-X Green Patching Material	2011-125
	Special Bituminous Patching Material	BOND-X High Performance Cold Patch	1994-280
SUIT0 15	Suit-Kote, 1911 Lorings Crossing Rd, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a>		
	Special Bituminous Patching Material	SK-MOD High Performance Cold Patch	1994-086
SUIT8 15 Facility	Suit-Kote, Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a> Meadville, PA		
	Special Bituminous Patching Material <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	SK-Camp Cold Asphalt Patching Material	2007-037Q
UPMCP 15	Unique Paving Materials Corporation, 3993 East 93rd Street, Cleveland, OH 44105-4096 <a href="http://www.uniquepavingmaterials.com/">http://www.uniquepavingmaterials.com/</a>		
	Special Bituminous Patching Material	UPM High Performance Cold Patch	1992-058

### MISC Steel Fiber Reinforced Concrete

Last Revised: 4/8/2015

CMS Special Provision S00(ID10901A)

ECMS Special Provision I-C10901-A

	Product	Name	Ref. No.
BKERT 15	Bekaert Corporation, 1395 South Marietta Parkway, Building 500, Suite 100, Marietta, GA 30067 <a href="http://www.bekaert.com/en/">http://www.bekaert.com/en/</a>		
	Steel Fiber Reinforced Concrete	Dramix	1999-018Q
MFIBR 15	Fibercon, International, 100 South Third Street, Evans City, PA 16033 <a href="http://www.fiberconfiber.com/">http://www.fiberconfiber.com/</a>		
	Steel Fiber Reinforced Concrete	Fibercon Steel Fibers	1991-133

### MISC Subgrade Stabilization Treatment

Last Revised: 4/8/2015

Provisional Specification: ECMS Special Provision I-c02101B



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## Section MISC: Miscellaneous

### MISC Subgrade Stabilization Treatment

Last Revised: 4/8/2015

Provisional Specification: ECMS Special Provision I-c02101B

	Product	Name	Ref. No.
CARML 15 Plant	Carmeuse Lime Company, Inc., Route 422 & Clear Springs Road, Annville, PA 17003 <a href="http://www.carmeusena.com/">http://www.carmeusena.com/</a> Route 422 & Clear Springs Road Annville, PA 17003		
	Subgrade Stabilization Treatment	Envirolime, Lime Pozzolan	2006-037QB
	Subgrade Stabilization Treatment	Quicklime	2006-036Q

### MISC Temporary Expansion Dam Systems

Last Revised: 4/8/2015

	Product	Name	Letter Date	Ref. No.
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>			
	Alternate System (Conditionally Approved)	V-300 Temporary Expansion Dam		2011-040A
	<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
	Alternate System (Conditionally Approved)	V-400 Temporary Expansion Dam		2011-040B
	<i>Conditionally Approved as an alternate: Manufacturer must contact NPI two (2) weeks before placement on a PennDOT project each time the product is used at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
CRAF0 15 Plant	Crafco, Inc., 420 North Roosevelt Avenue, Chandler, AZ 85226 <a href="http://www.crafco.com/">http://www.crafco.com/</a> 121 Industrial Park Road Halls, TN 38040			
	Asphaltic Plug	Matrix 502		1995-189
DYSAP 15	Dynamic Surface Applications, Ltd., 373 Village Road, Pennsdale, PA 17756 <a href="http://dsa-ltd.com/">http://dsa-ltd.com/</a>			
	Asphaltic Plug	BJS	9/3/1997	----
	Asphaltic Plug	Thormo Joint	9/3/1997	----
SILSP 15	Silicone Specialties, Inc., P.O. Box 50009, Tulsa, OK 74150 <a href="http://ssicm.com/">http://ssicm.com/</a>			
	Two Part Silicone	XJS		1993-157
	<i>Recommended for maintenance projects with service life up to five (5) years. Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			





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## Section MISC: Miscellaneous

### MISC Temporary Expansion Dam Systems

Last Revised: 4/8/2015

Product	Name	Letter Date	Ref. No.
WATRJ 15	R. J. Watson, Inc., 11035 Walden Avenue, Alden, NY 14007 <a href="http://www.rjwatson.com/">http://www.rjwatson.com/</a>		
Preformed Silicone	Silicoflex SF 150		1996-015
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Preformed Silicone	Silicoflex SF 225		1996-015
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
Preformed Silicone	Silicoflex SF 400		1996-015
<i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>			
WYEQS 15	Wyoming Equipment Sales, P.O. Box 287, West Wyoming, PA 18644-0287		
Asphaltic Plug	APJ		2000-059Q

### MISC Warm Mix Asphalt (WMA) Technologies

Last Revised: 4/8/2015

ECMS Standard Special Provision I-c03111 and I-c04111

For WMA Technologies that can be blended at a refinery or terminal and supplied by a bituminous material supplier (Performance Graded Asphalt Binder Supplier), the bituminous supplier must complete a CS-4170 Form for each grade and WMA Technology to be evaluated for potential approval. Approved WMA bituminous material suppliers are listed in Publication 35 (Bulletin 15), Miscellaneous Section, for Warm Mix Modified Performance Graded Asphalt binders.

Product	Name	Ref. No.
AKZNO 15	AkzoNobel Surface Chemistry, 525 West Van Buren Street, Chicago, IL 60607-3835 <a href="https://www.akzonobel.com/">https://www.akzonobel.com/</a>	
Chemical Additive	Rediset® LQ-1106	2011-210M
<i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at (717) 787-2707 before using.</i>		
Chemical Additive	Rediset® WMX	----
ASTIN 15	Astec Industries, Inc., P.O. Box 72787, Chattanooga, TN 37407 <a href="http://www.astecindustries.com/">http://www.astecindustries.com/</a>	
Mechanical Foaming Equipment/Process	Double Barrel Green® / GreenPac™ System	----
CECA 15	CECA, Subsidiary of Arkema, 89 Boulevard National, La Garenne-Colombes 92257	
Chemical Additive	Cecabase RT	2011-153



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## Section MISC: Miscellaneous

### MISC Warm Mix Asphalt (WMA) Technologies

Last Revised: 4/8/2015

ECMS Standard Special Provision I-c03111 and I-c04111

For WMA Technologies that can be blended at a refinery or terminal and supplied by a bituminous material supplier (Performance Graded Asphalt Binder Supplier), the bituminous supplier must complete a CS-4170 Form for each grade and WMA Technology to be evaluated for potential approval. Approved WMA bituminous material suppliers are listed in Publication 35 (Bulletin 15), Miscellaneous Section, for Warm Mix Modified Performance Graded Asphalt binders.

	Product	Name	Ref. No.
EASIN 15	Eastern Industries, Inc., 4401 Camp Meeting Rd., Ste 200, Center Valley, PA 18034 <a href="http://www.eastern-ind.com/">http://www.eastern-ind.com/</a> Mechanical Foaming Equipment/Process	SMART-FOAM System	----
GENID 15	Gencor Industries, Inc., 5201 N. Orange Blossom Trail, Orlando, FL 32810 <a href="http://www.gencor.com/">http://www.gencor.com/</a> Mechanical Foaming Equipment/Process	Green Machine UltraFoam GX2™ Process	----
MAXEQ 15	Maxam Equipment, Inc., 1575 Universal Ave., Kansas City, MO 64120 <a href="http://maxamequipment.com/Products.htm">http://maxamequipment.com/Products.htm</a> Mechanical Foaming Equipment/Process	AQUABlack® Solutions WMA System	----
MCCTE 15	McConnaughay Technologies, 1911 Lorings Crossing, Cortland, NY 13045 <a href="http://www.mcconnaughay.com/">http://www.mcconnaughay.com/</a> Foaming Additive/Process	Low Emission Asphalt (LEA)	----
MEAWE 15	MeadWestvaco Corporation, Asphalt Innovations, 5255 Virginia Avenue, N. Charleston, SC 29406-3615 <a href="http://www.mwv.com/en-us/">http://www.mwv.com/en-us/</a> Chemical Additive	Evotherm™ (DAT, 3G)	----
MEEEQ 15	Meeker Equipment Company, Inc., P.O. Box 925, Louisville, KY 19446-0661 <a href="http://www.meekerequipment.com/">http://www.meekerequipment.com/</a> Mechanical Foaming Equipment/Process	Warm Mix System	----
PQCOR 15	PQ Corporation, Valley Forge, P.O. Box 840, Valley Forge, PA 19482 <a href="http://pqcorp.com/">http://pqcorp.com/</a> Foaming Additive/Process	Advera® WMA	----
SASW- 15	Sasol Wax North America Corporation, 102 Cutting Blvd., Richmond, CA 94804 <a href="http://www.sasolwax.us.com/">http://www.sasolwax.us.com/</a> Organic Additive	Sasobit®	----
SONNE 15	Sonneborn Refined Products, 575 Corporate Drive, Suite 415, Hahwah, NJ 07430 <a href="http://www.sonneborn.com/products">http://www.sonneborn.com/products</a> Organic Additive <i>Provisional Approval: Contact PennDOT Materials Testing Laboratory at (717) 787-2707 before using.</i>	SonneWarmix™	2012-085M



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## Section MISC: Miscellaneous

### MISC Warm Mix Asphalt (WMA) Technologies

Last Revised: 4/8/2015

ECMS Standard Special Provision I-c03111 and I-c04111

For WMA Technologies that can be blended at a refinery or terminal and supplied by a bituminous material supplier (Performance Graded Asphalt Binder Supplier), the bituminous supplier must complete a CS-4170 Form for each grade and WMA Technology to be evaluated for potential approval. Approved WMA bituminous material suppliers are listed in Publication 35 (Bulletin 15), Miscellaneous Section, for Warm Mix Modified Performance Graded Asphalt binders.

	Product	Name	Ref. No.
STAAS 15	Stansteel Asphalt Plant Products, 12700 Shelbyville Road, Louisville, KY 40243 <a href="http://www.stansteel.com/">http://www.stansteel.com/</a>		
	Mechanical Foaming Equipment/Process	Accu-Sheer™ Warm Mix Asphalt System	----
TERRO 15	Terex Roadbuilding, P.O. Box 1985, Oklahoma City, OK 73101-1985 <a href="http://www.terex.com/">http://www.terex.com/</a>		
	Mechanical Foaming Equipment/Process	Warm Mix Asphalt System	----

### MISC Warm Mix Modified Performance Graded Asphalt Binders

Last Revised: 4/8/2015

	Product	Name	Ref. No.
APEX1 15	Apex Oil Company, Inc., 8235 Forsyth Boulevard, Suite 400, St. Louis, MO 63105 <a href="http://www.apexoil.com/">http://www.apexoil.com/</a>		
Terminal	1622 South Clinton Street Baltimore, MD 21224		
	PG 64-22 (Evotherm 3G Modifier)		2014-219Q
AXON1 15	Axeon Specialty Products, LLC, 4 Paradise Road, Paulsboro, NJ 08066-1740 <a href="http://axeonsp.com/">http://axeonsp.com/</a>		
Refinery	Paulsboro, NJ		
	PG 58-28 (Evotherm 3G Modifier)		2009-093Q
	PG 64-22 (Evotherm 3G Modifier)		2009-046Q
	PG 76-22 (Evotherm 3G Modifier)		2009-040Q
AXON3 15	Axeon Specialty Products, LLC, 4 Paradise Road, Paulsboro, NJ 08066-1740 <a href="http://axeonsp.com/">http://axeonsp.com/</a>		
Terminal	Nustar Energy LP Terminal Baltimore, MD		
	PG 58-28 (Evotherm 3G Modifier)	Terminal for AXON1 15, Ref. No. 2009-093Q	2012-042Q
	PG 64-22 (Evotherm 3G Modifier)	Terminal for AXON1 15, Ref. No. 2009-046Q	2012-045Q
	PG 76-22 (Evotherm 3G Modifier)	Terminal for AXON1 15, Ref. No. 2009-040Q	2012-046Q



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## Section MISC: Miscellaneous

### MISC Warm Mix Modified Performance Graded Asphalt Binders

Last Revised: 4/8/2015

Product	Name	Ref. No.
<b>BIT-0 15</b>	<b>Bitumar USA, 6000 Pennington Avenue, Baltimore, MD 21226 <a href="http://www.bitumar.com/home.html">http://www.bitumar.com/home.html</a></b>	
	PG 64-22 (Evotherm 3G Modifier)	2012-181QA
	PG 64-22 (Sasobit Modifier)	2011-118Q
	PG 64-22 (SonneWarmix Modifier)	2013-067Q
	PG 76-22 (Evotherm 3G Modifier)	2013-066Q
<b>SUIT7 15</b>	<b>Suit-Kote Cortland Asphalt Products, 1911 Lorings Crossing Road, Cortland, NY 13045-5160 <a href="http://www.suit-kote.com/">http://www.suit-kote.com/</a></b>	
<b>Facility</b>	<b>Cortland, NY</b>	
	PG 58-28 (Evotherm 3G Modifier)	2013-202Q
	PG 64-22 (Evotherm 3G Modifier)	2011-071QB
	PG 76-22 (Evotherm 3G Modifier)	2013-201Q
<b>UNRC0 15</b>	<b>United Refining Company, P.O. Box 780, Warren, PA 16365 <a href="http://www.urc.com/">http://www.urc.com/</a></b>	
	PG 58-28 (Evotherm 3G Modifier)	2012-021QA
	PG 64-22 (Evotherm 3G Modifier)	2012-021QB

### MISC Waterproofing Fabric (Bituminous)

Last Revised: 4/8/2015

Product	Name	Ref. No.
<b>BREWR 15</b>	<b>Brewer Company, 30060 Lakeland Boulevard, Wickliffe, OH 44092 <a href="http://www.thebrewerco.com/">http://www.thebrewerco.com/</a></b>	
	Waterproofing Fabric (Bituminous)	9400 Cotton Fabric (Asphalt Saturated)
		----



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## Section MISC: Miscellaneous Traffic

### MISC Automated Red Light Enforcement Systems (ARLE)

Last Revised: 3/20/2015

	Product	Name	COA	Ref. No.
AMERT 15	American Traffic Solutions, 1330 West Southern Avenue, Tempe, AZ 85282 <a href="http://www.atsol.com/">http://www.atsol.com/</a> Automated Red Light Enforcement System (ARLE) <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	RLSC-3D (ARLE)	AMT-001P	----
GATSO 15	Gatso USA, Inc., 900 Cummings Center, Suite 321U, Beverly, MA 01915 <a href="http://www.gatso-usa.com/">http://www.gatso-usa.com/</a> Automated Red Light Enforcement System (ARLE) <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	T-Series (ARLE)	GAT-001P	----
REDTS 15	Redflex Traffic Systems, Inc., 23751 North 23rd Avenue, Phoenix, AZ 85085 <a href="http://www.redflex.com/index.php/en/">http://www.redflex.com/index.php/en/</a> Automated Red Light Enforcement System (ARLE) <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	RFR2012 (ARLE)	RTS-001P	----
XERSL 15	Xerox State and Local Solutions, Inc., 12410 Milestone Center Drive, 4th Floor, Germantown, MD 20876 <a href="http://www.xerox.com/">http://www.xerox.com/</a> Automated Red Light Enforcement System (ARLE) <i>Provisionally Approved: Contact NPI before using: <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>	DriveSafe (ARLE)	XSL-001P	----

### MISC In Road Warning Lights

Last Revised: 3/20/2015

Department approval is required before purchase of in-roadway warning lights. Contact the Bureau of Highway Safety and Traffic Engineering for approval requirements at (717) 787-9787.

	Product	Name	COA	COA Date	Ref. No.
ASTUL 15	Astucia (UK), Ltd., 42 Eldon Way, Tonbridge, Kent <a href="http://www.clearviewtraffic.com/astucia/">http://www.clearviewtraffic.com/astucia/</a> In Road Warning Light	IRS-XW-2001	AST-001E	8/29/2002	----
LIGSY 15	LightGuard Systems, Inc., 2292 Airport Boulevard, Santa Rosa, CA 95403-1003 <a href="http://www.lightguardsystems.com/">http://www.lightguardsystems.com/</a> In Road Warning Light	Type 6B (SP) - LED (Endurolight)	1544-X001	4/11/2001	----
SMASS 15	SmartStud Systems, Inc., 479 John Street, Victoria, BC V8T 5H1 In Road Warning Light	SmartStud	SST-001E	6/16/2005	----



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## Section MISC: Miscellaneous Traffic

### MISC In Road Warning Lights

Last Revised: 3/20/2015

Department approval is required before purchase of in-roadway warning lights. Contact the Bureau of Highway Safety and Traffic Engineering for approval requirements at (717) 787-9787.

Product	Name	COA	COA Date	Ref. No.
<b>SWAR2 15</b>	<b>Swarco Futurit America, 900 North Denton, Mexia, TX 76667 <a href="https://www.swarco.com/northamerica">https://www.swarco.com/northamerica</a></b>			
In Road Warning Light	MLK 150	SFA-001E	10/15/2003	----
<b>TRASC 15</b>	<b>Traffic Safety Corporation, 2708 47th Avenue, Sacramento, CA 95822 <a href="http://www.xwalk.com/">http://www.xwalk.com/</a></b>			
In Road Warning Light	TS500	TSC-002E	5/1/2003	----
In Road Warning Light	TS600YYL4	TSC-003E	9/26/2012	----
In Road Warning Light	ZA 230	1534-X001	4/11/2001	----

### MISC Pavement Marking Systems, Methyl Methacrylate

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines

Product	Name	COA	Pavement Marking Color	Illumination Conditions	Marking Surface	Primer?	Beads	Other Uses?	Ref. No.
<b>AEXCE 15</b>	<b>Aexcel Coatings, 7373 Production Drive, Mentor, OH 44061-0780 <a href="http://www.aexcelcoatings.com/index.html">http://www.aexcelcoatings.com/index.html</a></b>								
Methyl Methacrylate Pavement Marking	SP01W-40	MMA-02	White	Lighted and Unlighted Roadways	Bituminous			Yes	----
Methyl Methacrylate Pavement Marking	SP01W-90	MMA-02	White	Lighted and Unlighted Roadways	Bituminous			Yes	----
Methyl Methacrylate Pavement Marking	SP01W-90	MMA-02	White	Lighted and Unlighted Roadways	Concrete			No	----
Methyl Methacrylate Pavement Marking	SP01Y-40	MMA-02	Yellow	Lighted and Unlighted Roadways	Bituminous			No	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section MISC: Miscellaneous Traffic

### MISC Pavement Marking Systems, Methyl Methacrylate

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines

Product	Name	COA	Pavement Marking Color	Illumination Conditions	Marking Surface	Primer?	Beads	Other Uses?	Ref. No.
<b>AEXCE 15</b>	<b>Aexcel Coatings, 7373 Production Drive, Mentor, OH 44061-0780 <a href="http://www.aexcelcoatings.com/index.html">http://www.aexcelcoatings.com/index.html</a></b>								
Methyl Methacrylate Pavement Marking	SP01Y-90	MMA-02	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete			No	----
<b>ENN-1 15</b>	<b>Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a></b>								
Methyl Methacrylate Pavement Marking	999105	MMA-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Yes	----
Methyl Methacrylate Pavement Marking	Duraset 05MXW	MMA-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Yes	----
Methyl Methacrylate Pavement Marking	Duraset 05MX Y	MMA-01	Yellow	Lighted Roadways Only	Bituminous and Concrete			No	----
Methyl Methacrylate Pavement Marking	HPS-7	MMA-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Yes	----
Methyl Methacrylate Pavement Marking	Pathfinder 05MPW	MMA-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete			Yes	----

### MISC Pavement Marking Systems, Polyester

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
8/30/2015 10:00:45PM

## Section MISC: Miscellaneous Traffic

### MISC Pavement Marking Systems, Polyester

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines

Product	Name	COA	Pavement Marking Color	Illumination Conditions	Marking Surface	Primer?	Beads	Other Uses?	Ref. No.
AEXCE 15	Aexcel Coatings, 7373 Production Drive, Mentor, OH 44061-0780 <a href="http://www.aexcelcoatings.com/index.html">http://www.aexcelcoatings.com/index.html</a>								
	Polyester Pavement Marking	75W-DO12	PPM-01	White	Lighted and Unlighted Roadways	Bituminous	No	M247	No ----
	Polyester Pavement Marking	SP01W-90	PPM-01	Yellow	Lighted and Unlighted Roadways	Bituminous	No	M247	No ----

### MISC Pavement Marking Systems, Polyurea

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines

Product	Name	COA	Pavement Marking Color	Illumination Conditions	Marking Surface	Primer?	Beads	Other Uses?	Ref. No.
ENN-1 15	Ennis Traffic Safety Solutions, 1509 South Kaufman Street, Ennis, TX 75120 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>								
	Polyurea Pavement Marking	HPS-5	PUPM-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete		M247	Yes ----
	Polyurea Pavement Marking	HPS-5	PUPM-01	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete		M247	Yes ----





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## Section MISC: Miscellaneous Traffic

### MISC Pavement Marking Systems, Polyurea

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines

Product	Name	COA	Pavement Marking Color	Illumination Conditions	Marking Surface	Primer?	Beads	Other Uses?	Ref. No.
ENN-3 15	Ennis Traffic Safety Solutions, 4400 Vawter Avenue, Richmond, VA 23222 <a href="http://www.ennisflint.com/Home">http://www.ennisflint.com/Home</a>								
	Polyurea Pavement Marking	HPS-5	PUPM-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete	M247	Yes	----
	Polyurea Pavement Marking	HPS-5	PUPM-01	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	M247	Yes	----
EPOPX 15	Epoplex, One Park Avenue, Maple Shade, NJ 08052 <a href="http://www.epoplex.com/">http://www.epoplex.com/</a>								
	Polyurea Pavement Marking	LS90	PM-05-05	White		Bituminous and Concrete	See COA	No	----
	Polyurea Pavement Marking	LS90	PM-05-05	Yellow		Bituminous and Concrete	See COA	No	----

### MISC Pavement Marking Systems, Preformed Wet Reflective Striping Tape

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines

Product	Name	COA	Pavement Marking Color	Illumination Conditions	Marking Surface	Primer	Beads	Other Uses?	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>								
	Preformed Wet Reflective Striping Tape Pavement Marking	Stamark™ Series 380AW	WRST-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete	Yes	Yes	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section MISC: Miscellaneous Traffic

### MISC Pavement Marking Systems, Preformed Wet Reflective Striping Tape

Last Revised: 3/20/2015

Lines: Center, Lane and Edge Lines

Other Uses: Crosshatching, Crosswalks, Legends and Stop Lines

Product	Name	COA	Pavement Marking Color	Illumination Conditions	Marking Surface	Primer	Beads	Other Uses?	Ref. No.
3M-03 15	3M Company, Traffic Control Devices Department, 3M Center, Building 582-1-15, St. Paul, MN 55144-1000 <a href="http://www.3m.com/3M/en_US/company-us/">http://www.3m.com/3M/en_US/company-us/</a>								
<i>Apply primer per manufacturer recommendation.</i>									
<i>Refer to Certificate of Approval.</i>									
<i>Provisionally Approved: Contact NPI before using at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>									
Preformed Wet Reflective Striping Tape Pavement Marking	Stamark™ Series 380IES	WRST-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete	Yes		Yes	----
<i>Apply primer per manufacturer recommendation.</i>									
<i>Refer to Certificate of Approval.</i>									
Preformed Wet Reflective Striping Tape Pavement Marking	Stamark™ Series 380WR	WRST-01	White	Lighted and Unlighted Roadways	Bituminous and Concrete	P-50		Yes	----
Preformed Wet Reflective Striping Tape Pavement Marking	Stamark™ Series 381AW	WRST-01	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	Yes		Yes	----
<i>Apply primer per manufacturer recommendation.</i>									
<i>Refer to Certificate of Approval.</i>									
<i>Provisionally Approved: Contact NPI before using at <a href="mailto:RA-pdETIPProductUse@pa.gov">RA-pdETIPProductUse@pa.gov</a></i>									
Preformed Wet Reflective Striping Tape Pavement Marking	Stamark™ Series 381IES	WRST-01	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	Yes		No	----
<i>Apply primer per manufacturer recommendation.</i>									
<i>Refer to Certificate of Approval.</i>									
Preformed Wet Reflective Striping Tape Pavement Marking	Stamark™ Series 381WR	WRST-01	Yellow	Lighted and Unlighted Roadways	Bituminous and Concrete	P-50		No	----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

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## Section MISC: Miscellaneous Traffic

### MISC Rectangular Rapid Flashing Beacon (RRFB) Systems

Last Revised: 3/20/2015

Department approval is required before purchasing Rectangular Rapid Flashing Beacons. Contact the Bureau of Highway Safety and Traffic Engineering for approval requirements at (717) 787-9787.

Product	Name	FHWA Acceptance Letter	Ref. No.
CARMH 15	<b>Carmanah Technologies Corporation, 203 Harbour Road Building 4-203, Victoria, BC V9A 3S2</b> <i>Formerly Spot Devices, Inc. (SPODE 15)</i>		
	Rectangular Rapid Flashing Beacon (RRFB) Systems	R920 Series	8/2/2013
	Rectangular Rapid Flashing Beacon (RRFB) Systems	RRFB	7/25/2013
	Rectangular Rapid Flashing Beacon (RRFB) Systems	SB435HP	7/25/2013
ELECT 15	<b>Electrotechnics Corporation, 1310 Commerce Street, Marshall, TX 75672</b> <a href="http://www.elteccorp.com/">http://www.elteccorp.com/</a>		
	Rectangular Rapid Flashing Beacon (RRFB) Systems	AC890371-X	5/14/2010
	Rectangular Rapid Flashing Beacon (RRFB) Systems	AC890372	5/14/2010
	Rectangular Rapid Flashing Beacon (RRFB) Systems	S891070-X	5/14/2010
	Rectangular Rapid Flashing Beacon (RRFB) Systems	S891071	5/14/2010
RTC-M 15	<b>RTC Manufacturing Inc., P. O. Box 150189, Arlington, TX 76015</b> <a href="http://www.rtc-traffic.com/">http://www.rtc-traffic.com/</a>		
	Rectangular Rapid Flashing Beacon (RRFB) Systems	RFB-2	9/30/2013
TAPCO 15	<b>Traffic &amp; Parking Control DBA TAPCO, 5100 West Brown Deer Road, Brown Deer, WI 53223</b> <a href="http://www.tapconet.com/">http://www.tapconet.com/</a>		
	Rectangular Rapid Flashing Beacon (RRFB) Systems	RRFB-XL	4/29/2014

### MISC Traffic Operations, Auxiliary

Last Revised: 3/20/2015

Product	Name	COA	COA Date	Ref. No.
CACABH 15	<b>Cambria Company Association for the Blind and Handicapped, 175 Industrial Park Road, RD 3 Box 164, Ebensburg, PA 15931-1813</b> <a href="http://www.cabproducts.com/">http://www.cabproducts.com/</a>			



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## Section MISC: Miscellaneous Traffic

### MISC Traffic Operations, Auxiliary

Last Revised: 3/20/2015

Product	Name	COA	COA Date	Ref. No.
<b>CCABH 15</b>	<b>Cambria Company Association for the Blind and Handicapped, 175 Industrial Park Road, RD 3 Box 164, Ebensburg, PA 15931-1813 <a href="http://www.cabproducts.com/">http://www.cabproducts.com/</a></b>			
Auxiliary Traffic Operations Item	Cable Rings and Saddles, CAB	1520-0000	10/22/1999	----
<b>IBITK 15</b>	<b>Ibis Tek, LLC, 496 Pittsburgh Road, Butler, PA 16002 <a href="http://www.ibistek.com/">http://www.ibistek.com/</a></b>			
Auxiliary Traffic Operations Item	Traffic Signal Police Control, Wireless	IBS-001P	1/11/2013	----
<b>LINCO 15</b>	<b>Linear Corporation, 2055 Corte Del Nogal, P.O. Box 9003, Carlsbad, CA 92009</b>			
Auxiliary Traffic Operations Item	Mid Range Receiver XR-1	LIN-001P	7/10/1997	----
Auxiliary Traffic Operations Item	Mid Range Transmitter XT-1	LIN-002P	7/10/1997	----
<b>NAZTC 15</b>	<b>Naztec, Inc., 22 Gillingham Drive, Sugar Land, TX 77478</b>			
Auxiliary Traffic Operations Item	Cabinet Interface Panel, 150 LX Interface	NAZ-013P	5/8/1997	----
<b>QEI 15</b>	<b>Quindar Electronics, Inc., 60 Fadem Road, Springfield, NJ 07081 <a href="http://www.qeiinc.com/default.aspx">http://www.qeiinc.com/default.aspx</a></b>			
Auxiliary Traffic Operations Item	Mounting Frames, QX Series	QEI-004S	7/14/1976	----
Auxiliary Traffic Operations Item	Power Supply, QP Series	QEI-001S	7/14/1976	----
Auxiliary Traffic Operations Item	Scanning System Receiver, QSR	QEI-005S	6/4/1970	----
Auxiliary Traffic Operations Item	Scanning System Transmitter, QST	QEI-006S	6/4/1970	----
Auxiliary Traffic Operations Item	Tone Receiver, QR Series	QEI-002S	7/14/1976	----
Auxiliary Traffic Operations Item	Tone Transmitter, QT Series	QEI-003S	7/14/1976	----

### MISC Yield to Pedestrian (YTP) Channelizing Devices

Last Revised: 3/20/2015

Product	Name	COA	Yield Type	Size (in.)	Yield Mount	Ref. No.
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## Section MISC: Miscellaneous Traffic

### MISC Yield to Pedestrian (YTP) Channelizing Devices

Last Revised: 3/20/2015

Product	Name	COA	Yield Type	Size (in.)	Yield Mount	Ref. No.
<b>CONSF 15</b>	<b>Continental Safety Supply Company, Inc., 790 Bloomfield Avenue, Clifton, NJ 07012</b>					
	Yield To Pedestrian (YTP) Channelizing Device	Soft Sandwich		Cone with Sign	18" x 36"	Surface (unfastened) 1998-011
<b>DICKE 15</b>	<b>Dicke Tool Company, 1201 Warren Avenue, Downers Grove, IL 60515 <a href="http://dicketool.com/">http://dicketool.com/</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	SBL1236-Y	PED-07	Vertical Panel	12" x 36" (one-sided)	Surface (unfastened) ----
	Yield To Pedestrian (YTP) Channelizing Device	SBL1236D-Y	PED-07	Vertical Panel	12" x 36" (two-sided)	Surface (unfastened) ----
<b>EASTM 15</b>	<b>Eastern Metal of Elmira, 1430 Sullivan Street, Elmira, NY 14901 <a href="http://www.usa-sign.com/">http://www.usa-sign.com/</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	Big Foot		Vertical Panel	12" x 36"	Surface (unfastened) 2000-161Q
<b>GARDS 15</b>	<b>Garden State Highway Products, Inc., 1740 East Oak Road, Vineland, NJ 08361 <a href="http://www.gardenstatehwy.com/default.aspx">http://www.gardenstatehwy.com/default.aspx</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	Ped Barricade		Vertical Panel	12" x 36"	Surface (unfastened) 2002-042Q
<b>IMPRS 15</b>	<b>Impact Recovery Systems, Inc., 4955 Stout Drive, San Antonio, TX 78219 <a href="http://www.impactrecovery.com/">http://www.impactrecovery.com/</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	254-R-1-6 Crossing Sign	PED-3	Vertical Panel	12" x 42"	Surface (unfastened) ----
<b>PEXCO 15</b>	<b>Pexco Davidson Traffic Control Products, 3110 70th Avenue East, Tacoma, WA 98424 <a href="http://www.pexco.com/markets/industrial/traffic">http://www.pexco.com/markets/industrial/traffic</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	8FG342FLGEFX613	PED-08	Vertical Panel	12" x 42"	Surface (unfastened) ----
<b>PROTE 15</b>	<b>Protection Services, Inc., 1000 E Ashland Avenue, Folcroft, PA 19032 <a href="http://protectiveservicesinc.com/">http://protectiveservicesinc.com/</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	Big Foot		Vertical Panel	12" x 36"	Surface (unfastened) 2000-161Q
<b>SAFHC 15</b>	<b>Safe-Hit Corporation, a Division of Energy Absorption Systems, Inc., A Trinity Industries, Inc. Company, 70 West Madison Street, Suite 2350, Chicago, IL 60602 <a href="http://www.safehitlx.com/html/safehit/index.html">http://www.safehitlx.com/html/safehit/index.html</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	RT 360 VP	PED-4	Vertical Panel	12" x 43"	Surface (unfastened) ----
<b>THDTW 15</b>	<b>Three D Traffic Works, Inc., 430 North Varney Street, Burbank, CA 91502 <a href="http://www.trafficwks.com/">http://www.trafficwks.com/</a></b>					
	Yield To Pedestrian (YTP) Channelizing Device	TD5275	PED-9	Vertical Panel	12" x 36"	Surface (unfastened) ----
<b>UNISO 15</b>	<b>UniqueSource, 1007 North Front Street, Harrisburg, PA 17110 <a href="https://www.uniquesource.com/">https://www.uniquesource.com/</a> Formerly PIBH- 15.</b>					
	Yield To Pedestrian (YTP) Channelizing Device	R1-6	PED-10	Vertical Panel	12" x 42"	Surface (unfastened) ----



# BULLETIN 15 (Publication 35) Qualified Products List for Construction

Posted:  
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## Section AISC: Certified Facilities

### AISC Department Register of Certified Structural Steel Fabricators (AISC)

Last Revised: 7/9/2015

In accordance with Section 1105, the listed companies have been preapproved to fabricate items for PennDOT. Company approval to fabricate Penn DOT projects must be received before commencement of any work, from the Structural Materials Engineer, Materials Testing Laboratory, Harrisburg, PA.

Product	Name	AISC Category	Ref. No.
ACROW 15	Acrow Corporation of America, 6 Canal Street, Milton, PA 17847 <a href="http://acrow.com/">http://acrow.com/</a> Certified Structural Steel Fabricator <i>Not approved to perform submerged arc welding.</i>	Major Steel Bridges (CBR)	2014-168
ADVSC 15	Advantage Steel & Construction, LLC, 2300 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.advsteel.com/">http://www.advsteel.com/</a> Certified Structural Steel Fabricator <i>Approved to perform heat-cambering and heat curving of rolled beams.</i>	Simple Steel Bridges (SBR)	2015-021Q
AMBRM 15	American Bridge Manufacturing Company, 301 Thorn Street, Coraopolis, PA 15108 <a href="http://www.americanbridge.net/">http://www.americanbridge.net/</a> Certified Structural Steel Fabricator <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2000-001
AMTHR 15	Amthor Steel, 1717 Gaskell Ave., Erie, PA 16503 Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2013-121
ANDBR 15	Anderson Bridges, LLC, 111 Willow Street, Colfax, WI 54730 <a href="http://www.andersonbridges.com/">http://www.andersonbridges.com/</a> Certified Structural Steel Fabricator <i>Approved to fabricate pedestrian bridge only.</i>	Simple Steel Bridges (SBR)	2013-192
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
AUCEL 15	Auciello Iron Works, Inc., 560 Main St., Hudson, MA 01749 <a href="http://aucielloironworks.com/">http://aucielloironworks.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
BIGRB 15 Plant	Big R Bridge, P.O. Box 1290, Greeley, CO 80632 <a href="http://www.bigrbridge.com/en/home/default.aspx">http://www.bigrbridge.com/en/home/default.aspx</a> 25581 Hillman Highway Abingdon, VA 24210 Certified Structural Steel Fabricator <i>Not approved to perform submerged arc welding.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----



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## Section AISC: Certified Facilities

### AISC Department Register of Certified Structural Steel Fabricators (AISC)

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Product	Name	AISC Category	Ref. No.
BRFAB 15	Brookfield Fabricating Corporation, P. O. Box 406, Brookfield, MO 64628 <a href="http://www.brookfieldfabricating.com/">http://www.brookfieldfabricating.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
BRGTW 15	Bridges & Towers, Inc., 923 Industrial St., New Castle, PA 16102 Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872 <a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a> Certified Structural Steel Fabricator <i>Approved to fabricate modular bridge expansion dams.</i>	Simple Steel Bridges (SBR)	----
CANAM 15	Canam Steel Corporation, 4010 Clay Street, P.O. Box 285, Point of Rocks, MD 21777 <a href="http://www.canam-construction.com/en/">http://www.canam-construction.com/en/</a> Certified Structural Steel Fabricator <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2013-223
CAPST 15	Capital Steel Service, LLC, 82 Stokes Avenue, Trenton, NJ 08638 <a href="http://www.capitalsteel.org/">http://www.capitalsteel.org/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2010-087
CIAFC 15	Cianbro Fabrication & Coating Corporation, 605 Pittman Road, Baltimore, MD 21226 <a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2010-214
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a> <i>Formerly Foster Precise Structural Products (FOSPR).</i> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2007-202
CON13 15	Contech Engineered Solutions, LLC, 4021 Gault Avenue, Fort Payne Certified Structural Steel Fabricator	Major Steel Bridges (CBR)	----



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Product	Name	AISC Category	Ref. No.
CON14 15 Plant	Contech Engineered Solutions, LLC, 8301 State Highway 29 North,, Alexandria, MN 56308 <a href="http://www.conteches.com/">http://www.conteches.com/</a> Anderson, SC <i>Formerly Continental Bridge (CONBR)</i> Certified Structural Steel Fabricator  <i>Approved to fabricate pedestrian bridge only.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
CORN15	Cornell & Company, Inc., P. O. Box 807, Woodbury, NJ 08096 <a href="http://www.cornellcraneandsteel.com/">http://www.cornellcraneandsteel.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
DECK1 15	Cameron Bridge Works LLC, 1051 South Main Street, Elmira, NY 14904 <a href="http://www.cameronbridgeworks.com/">http://www.cameronbridgeworks.com/</a> <i>Formerly Echo Bridge, Inc. / Decker Inc.</i> Certified Structural Steel Fabricator  <i>Approved to fabricate pedestrian bridge only.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2009-052
DURAB 15	Dura-Bond Steel Corporation, P.O. Box Drawer 518, Export, PA 15632 <a href="http://www.dura-bond.com/">http://www.dura-bond.com/</a> Certified Structural Steel Fabricator  <i>Approved to perform heat-cambering and heat curving of rolled beams.</i>	Simple Steel Bridges (SBR)	----
DURBD 15	Dura-Bond Pipe, LLC, 2716 South Front Street, Steelton, PA 17113 <a href="http://www.dura-bond.com/">http://www.dura-bond.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2014-178
EAGMC 15	Eagle Manufacturing Company, Inc., 13 Homonick Road, Colchester, CT 06415 <a href="http://eagle-mfg.com/Default.aspx">http://eagle-mfg.com/Default.aspx</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2014-120
ELDER 15	Elderlee, Inc., 729 Cross Road, Oaks Corners, NY 14518 <a href="http://www.elderlee.com/">http://www.elderlee.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2009-027





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### AISC Department Register of Certified Structural Steel Fabricators (AISC)

Last Revised: 7/9/2015

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Product	Name	AISC Category	Ref. No.
FABCR 15 Plant	Fabcor Inc., 1205 MID VALLEY DRIVE, Jessup, PA 18434 <a href="http://www.fabcorinc.com/">http://www.fabcorinc.com/</a> 1205 MID VALLEY DRIVE Jessup, PA 18434 <i>AISC - Dept. Reg.</i> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
FOST2 15	L.B. Foster Company, 202 Weber Lane, Bedford, PA 15522 <a href="http://www.lbfoster.com/">http://www.lbfoster.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
GOODS 15	Goodhart Sons, Inc., 2515 Horeshoe Road, P. O. Box 10308, Lancaster, PA 17605-0308 <a href="http://www.goodhartsons.com/">http://www.goodhartsons.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2004-118
GRENR 15	Greiner Industries, Inc., 1650 Steel Way, Mount Joy, PA 17552 <a href="http://greinerindustries.com/">http://greinerindustries.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2008-047
HABSI 15	Haberle Steel, Inc., 1946 East Cherry Lane, Souderton, PA 18964 <a href="http://haberlesteel.com/">http://haberlesteel.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2011-097
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
HALL2 15	Hall Industries, Inc., 514 Mecklem Lane, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a> Certified Structural Steel Fabricator <i>Not approved to perform welding.</i>	Simple Steel Bridges (SBR)	----
HASSC 15	Harris Structural Steel Company, Inc., 1640 New Market Ave., South Plainfield, NJ 07080 <a href="http://www.harrissteelco.com/">http://www.harrissteelco.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----



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### AISC Department Register of Certified Structural Steel Fabricators (AISC)

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Product	Name	AISC Category	Ref. No.
HIGH1 15	<b>High Steel Structures, Inc., 1915 Old Philadelphia Pike,, P.O. Box 10008, Lancaster, PA 17605-0008 <a href="http://www.highsteel.com/">http://www.highsteel.com/</a></b> Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
HIGH2 15	<b>High Steel Structures, Inc., 3501 W 4th Street, Williamsport, PA 17701 <a href="http://www.highsteel.com/">http://www.highsteel.com/</a></b> Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
HIR01 15	<b>Hirschfeld Industries Bridge, U.S. Higwway 421 West, Colfax, NC 27235 <a href="http://www.hirschfeld.com/">http://www.hirschfeld.com/</a></b> <b>Formerly Carolina Steel Corp. (CAR01 15)</b> Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
HIR02 15	<b>Hirschfeld Industries Bridge, Nash County Plant,, 241 Corbett Road, Nashville, NC 27856 <a href="http://www.hirschfeld.com/">http://www.hirschfeld.com/</a></b> <b>Formerly Carolina Steel Corp. (CAR02)</b> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
HIR03 15	<b>Hirschfeld Industries Bridge, Abingdon Plant,, 15083 Industrial Park Road, Bristol, VA 24201 <a href="http://www.hirschfeld.com/">http://www.hirschfeld.com/</a></b> <b>Formerly Carolina Steel Corp. (CAR03)</b> Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
INDS1 15	<b>Industrial Steel Construction, Inc., 86 North Bridge Street, Gary, IN 46404 <a href="http://www.iscbridge.com/">http://www.iscbridge.com/</a></b> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----



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Product	Name	AISC Category	Ref. No.
INDS2 15	Industrial Steel Construction, Inc., 6120 River Road, Hodgkins, IL 60525 <a href="http://www.iscbridge.com/">http://www.iscbridge.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2008-094
KARDW 15	Kard Welding, Inc., 480 Osterloh Road, P. O. Box 124, Minster, OH 45865 Certified Structural Steel Fabricator	Major Steel Bridges (CBR)	2010-227
KIN-1 15	Kinsley Manufacturing, 1100 East Princess Street, York, PA 17403 <a href="http://www.kinsleymanufacturing.com/">http://www.kinsleymanufacturing.com/</a> Certified Structural Steel Fabricator <i>Not approved to perform submerged arc welding.</i>	Major Steel Bridges (CBR)	----
KIN-2 15	Kinsley Manufacturing, 3900 E. Market Street, York, PA 17402 <a href="http://www.kinsleymanufacturing.com/">http://www.kinsleymanufacturing.com/</a> Certified Structural Steel Fabricator <i>Not approved to perform submerged arc welding.</i>	Major Steel Bridges (CBR)	----
L&MFM 15	L&M Fabrication & Machine, Inc., 6814 Chrisphalt Drive, P. O. Box 124, Bath, PA 18014 <a href="http://lmfab.publishpath.com/contact-us">http://lmfab.publishpath.com/contact-us</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2006-001
LEHUA 15	Lehigh Utility Associates, Inc., 1300 New Market Ave., South Plainfield, NJ 07080 Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
LEVAN 15	Levan Associates, Inc., 4870 Raymond Court, Emmaus, PA 18049 <a href="http://levanfab.com/">http://levanfab.com/</a> Certified Structural Steel Fabricator <i>Not approved to perform submerged arc welding.</i>	Simple Steel Bridges (SBR)	2010-310
LITEL 15	Littell Steel Company, 100 Fallston Street, New Brighton, PA 15066 <a href="http://www.littellsteel.com/">http://www.littellsteel.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----



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Product	Name	AISC Category	Ref. No.
MCIWK 15	Michelman Cancelliere Ironworks, 7230 Beth Bath Pike, Bath, PA 18002-0431 <a href="http://www.mcironworks.com/">http://www.mcironworks.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2006-023
MCMAN 15	J. A. McMahon, Inc., 649 Grant Street, Niles, OH 44446 <a href="http://www.jamcmahon.com/home.htm">http://www.jamcmahon.com/home.htm</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	-----
MICSE 15	Michelman Steel Enterprises, 6338 Farm Bureau Road, Allentown, PA 18106 Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2012-239
MISUF 15	Missouri Fabricators, 3226 County Road 257, Fulton, MO 65251-3101 <a href="http://www.occimofab.com/">http://www.occimofab.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2000-191
OAKIW 15	Oakdale Iron Works, Inc., 1 Oakdale Industrial Park Dr., P.O. Box 240, Oakdale, PA 15071 Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2002-082
OHSTR 15	Ohio Structures, Inc., 6124 Pricetown Road, Berlin Center, OH 44401 <a href="http://ohiostructures.com/">http://ohiostructures.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges (CBR)	2001-168
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2001-094
PIOBR 15	Pioneer Bridges, Division of Bailey Bridges, Inc., 119 40th. Street N.E., Fort Payne, AL 35967 <a href="http://pioneerbridges.com/">http://pioneerbridges.com/</a> Certified Structural Steel Fabricator <i>Not approved to perform submerged arc welding.</i>	Major Steel Bridges (CBR)	2010-215
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 <a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a> Certified Structural Steel Fabricator <i>Approved to perform heat cambering and heat curving of rolled beams.</i>	Simple Steel Bridges (SBR)	2012-248



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Product	Name	AISC Category	Ref. No.
RCCFI 15 Plant	RCC Fabricators, Inc., 2035 Route 206 South, Southampton, NJ 18434 2035 Route 206 South Southampton, NJ 18434 Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2015-078Q
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a> Certified Structural Steel Fabricator <i>Approved to Perform Heat-Cambering and Heat Curving of Rolled Beams. Not approved to perform submerged arc welding. (Initial Approval Ref. No. 2011-045Q)</i>	Simple Steel Bridges (SBR)	2015-130Q
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 Certified Structural Steel Fabricator <i>Approved to perform heat cambering and heat curving of rolled beams.</i>	Major Steel Bridges (CBR)	2015-031Q
SABIN 15	Sabre Industries/Tubular Structures - PA, 700 Second Street, Ellwood City, PA 16117 <a href="http://www.sabretubularstructures.com/">http://www.sabretubularstructures.com/</a> <i>Formerly Jet Industries (JETIN)</i> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 <a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a> Certified Structural Steel Fabricator <i>Approved to perform heat cambering and heat curving of rolled beams.</i>	Simple Steel Bridges (SBR)	2013-074
SEISM 15	Seismic Energy Products, 518 Progress Way, Athens, TX 75751 <a href="http://www.sepbearings.com/">http://www.sepbearings.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2010-197
SEMMW 15	Seibel Modern Manufacturing & Welding Corporation, 38 Palmer Place, Lancaster, NY 14086 <a href="http://www.seibelmodern.com/">www.seibelmodern.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2000-155
SHANE 15	Shane Felter Industries, P. O. Box 2022, Rt. 51, Uniontown, PA 15401 <a href="http://www.shanefelterindustries.com/">http://www.shanefelterindustries.com/</a> Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----



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Product	Name	AISC Category	Ref. No.
SPECF 15	Specialty Fab, Inc., 11950 South Avenue, North Lima, OH 44452 <a href="http://www.specialtyfab.com/">http://www.specialtyfab.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2005-003
STRBR 15	Structal Bridges Division of Canam Steel Corporation, 386 River Road, Claremont, NH 03743 Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2014-202
STRUS 15	Structures, USA, 333 Peterson Drive, P. O. Box 2281, Elizabethtown, KY 42701 <a href="http://www.structuresofusa.com/">http://www.structuresofusa.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2014-110
STSSI 15	STS Steel, Inc., 301 Nott Street, Building 304, Schenectady, NY 12305 <a href="http://stssteel.com/">http://stssteel.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	2010-161
STUPP 15	Stupp Bridge Company, 445 Century Street, Bowling Green, KY 42101 <a href="http://www.stuppbridge.com/">http://www.stuppbridge.com/</a> Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2000-050
UNIMC 15	Union Metal Corporation, 1432 Maple Avenue, N.E., Canton, OH 44705 <a href="http://www.unionmetal.com/">http://www.unionmetal.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
USBRG 15	U.S. Bridge, 201 Wheeling Avenue, P.O. Box 757, Cambridge, OH 43725 <a href="http://www.usbridge.com/">http://www.usbridge.com/</a> Certified Structural Steel Fabricator  <i>Not approved to perform submerged arc welding.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
VALM1 15 Plant	Valmont Industries, Inc., 7002 N 288th Street, Valley, NE 68064 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Valley, NE 68064 Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----



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Product	Name	AISC Category	Ref. No.
VALM2 15 Plant	Valmont Industries, Inc., 58027 Charlotte Ave., Elkhart, IN 46517 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Elkhart, IN 46517 Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
VETS1 15 Plant	Veritas Steel, 2800 Melby Street, Eau Claire, WI 54703 <a href="http://www.veritassteel.com/">http://www.veritassteel.com/</a> 2800 Melby Street Eau Claire, WI 54703 Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
VETS2 15 Plant	Veritas Steel, 3526 W. Sherman Street, Wausau, WI 54401 <a href="http://www.veritassteel.com/">http://www.veritassteel.com/</a> 3526 W. Sherman Street Wausau, WI 54401 Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
WABST 15	Wabash Steel, LLC, 2007 Oliphant Drive, P.O. Box 117, Vincennes, IN 47591 Certified Structural Steel Fabricator	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	----
WALPR 15	Walpar, Inc., 4200 Jefferson Ave., S.W., Birmingham, AL 35228 <a href="http://walpar.com/">http://walpar.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
WATSB 15	Watson Bowman Acme Corporation, 95 Pineview Drive, Amherst, NY 14228 <a href="https://wbacorp.com/">https://wbacorp.com/</a> Certified Structural Steel Fabricator	Simple Steel Bridges (SBR)	----
WHELU 15	Wheeler Lumber, LLC, 1151 Chaparral Ave., Shakopee, MN 55379 Certified Structural Steel Fabricator <i>Approved to fabricate pedestrian bridge only.</i>	Major Steel Bridges (CBR)	2006-217



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Product	Name	AISC Category	Ref. No.
WMBC1 15	Williams Bridge Company, 8624 J. D. Reading Dr., Manassas, VA 20109 <a href="http://wmsi.com/subsidiaries/wbc/">http://wmsi.com/subsidiaries/wbc/</a> Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2013-161QA
WMBC2 15	Williams Bridge Company, 700 East 4th St., Richmond, VA 23224 <a href="http://wmsi.com/subsidiaries/wbc/">http://wmsi.com/subsidiaries/wbc/</a> Certified Structural Steel Fabricator  <i>Approved to fabricate high performance steel.</i>	Major Steel Bridges with Fracture Critical Endorsement (CBR/F)	2013-161B

### AISC Department Register of Certified Paint Shops (AISC or SSPC)

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Product	Name	Ref. No.
ADVSC 15	Advantage Steel & Construction, LLC, 2300 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.advsteel.com/">http://www.advsteel.com/</a> Certified Paint Shop	2014-132Q
AMBRM 15	American Bridge Manufacturing Company, 301 Thorn Street, Coraopolis, PA 15108 <a href="http://www.americanbridge.net/">http://www.americanbridge.net/</a> Certified Paint Shop	----
BCIND 15 Plant	B-C Industries, 12 Hawksley Rd., Oxford, MA 01540 12 Hawksley Rd. Oxford, MA 01540 Certified Paint Shop	2009-172Q





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	Product	Name	Ref. No.
BIGRB 15 Plant	Big R Bridge, P.O. Box 1290, Greeley, CO 80632 25581 Hillman Highway Abingdon, VA 24210	<a href="http://www.bigrbridge.com/en/home/default.aspx">http://www.bigrbridge.com/en/home/default.aspx</a>	
	Certified Paint Shop		----
BRGTW 15	Bridges & Towers, Inc., 923 Industrial St., New Castle, PA 16102		
	Certified Paint Shop		----
BRIDS 15	Bridge Deck Solutions, LLC, 298 Cherry Hill Drive, Latrobe, PA 15650		
	Certified Paint Shop <i>Shop has SSPC-QP3 required for removal and disposal of hazardous coatings.</i>		----
BROWD 15	D.S. Brown Company, P. O. Box 158, 300 East Cherry St., North Baltimore, OH 45872	<a href="http://www.dsbrown.com/">http://www.dsbrown.com/</a>	
	Certified Paint Shop		----
CANAM 15	Canam Steel Corporation, 4010 Clay Street, P.O. Box 285, Point of Rocks, MD 21777	<a href="http://www.canam-construction.com/en/">http://www.canam-construction.com/en/</a>	
	Certified Paint Shop		2013-228
CIAFC 15	Cianbro Fabrication & Coating Corporation, 605 Pittman Road, Baltimore, MD 21226	<a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a>	
	Certified Paint Shop		2010-213
CIANB 15	Cianbro Fabrication & Coating Corporation, 3 Farm Lane, Georgetown, MA 01833 <i>Formerly Foster Precise Structural Products (FOSPR).</i>	<a href="http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx">http://www.cianbro.com/ProjectsMarkets/FabricationCoating.aspx</a>	
	Certified Paint Shop		----



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	Product	Name	Ref. No.
CONBS 15	Contech Bridge Solutions Inc., 4021 Gault Ave. South, Fort Payne, AL 35967 Certified Paint Shop	<a href="http://www.conteches.com/products/bridges-and-structures/truss.aspx">http://www.conteches.com/products/bridges-and-structures/truss.aspx</a>	2001-154
CONSV 15	Con-Serv, Inc., 2963 Interstate Parkway, Brunswick, OH 44212 Certified Paint Shop	<a href="http://www.con-servinc.com/">http://www.con-servinc.com/</a>	----
CORNL 15	Cornell & Company, Inc., P. O. Box 807, Woodbury, NJ 08096 Certified Paint Shop	<a href="http://www.cornellcraneandsteel.com/">http://www.cornellcraneandsteel.com/</a>	----
COSME 15	Cosmec Inc., 1501 Rocky Ridge Road, Athens, TX 75751 Certified Paint Shop	<a href="http://www.cosmecinc.com/">http://www.cosmecinc.com/</a>	----
CPINC 15 Plant	Colonial Processing, Inc., 1930 S. 6th Street, Camden, NJ 08108 1930 S. 6th Street Camden, NJ 08108 Certified Paint Shop		2006-012Q
DURAB 15	Dura-Bond Steel Corporation, P.O. Box Drawer 518, Export, PA 15632 Certified Paint Shop	<a href="http://www.dura-bond.com/">http://www.dura-bond.com/</a>	----
DURBD 15	Dura-Bond Pipe, LLC, 2716 South Front Street, Steelton, PA 17113 Certified Paint Shop <i>Shop has SSPC-QP3 required for removal and disposal of hazardous coatings.</i>	<a href="http://www.dura-bond.com/">http://www.dura-bond.com/</a>	2014-179
EAGMC 15	Eagle Manufacturing Company, Inc., 13 Homonick Road, Colchester, CT 06415 Certified Paint Shop	<a href="http://eagle-mfg.com/Default.aspx">http://eagle-mfg.com/Default.aspx</a>	----



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	Product	Name	Ref. No.
EPACI 15 Plant	EPACoat, Inc, 4500 Oakleys Lane, Richmond, VA 23231 4500 Oakleys Lane Richmond, VA 23231 Certified Paint Shop		2012-004Q
ESAFE 15 Plant	Envirosafe Stripping, Inc., 785 Arch Street, Carnegie, PA 15106 785 Arch Street Carnegie, PA 15106 Certified Paint Shop		2009-130Q
GATEW 15 Plant	Gateway Industrial Services, 805 Harrison Street, Allentown, PA 18103 805 Harrison Street Allentown, PA 18103 Certified Paint Shop		2013-139Q
GRENR 15	Greiner Industries, Inc., 1650 Steel Way, Mount Joy, PA 17552 <a href="http://greinerindustries.com/">http://greinerindustries.com/</a> Certified Paint Shop		----
HABSI 15	Haberle Steel, Inc., 1946 East Cherry Lane, Souderton, PA 18964 <a href="http://haberlesteel.com/">http://haberlesteel.com/</a> Certified Paint Shop		2011-096
HASSC 15	Harris Structural Steel Company, Inc., 1640 New Market Ave., South Plainfield, NJ 07080 <a href="http://www.harrissteelco.com/">http://www.harrissteelco.com/</a> Certified Paint Shop		----
HIGH1 15	High Steel Structures, Inc., 1915 Old Philadelphia Pike., P.O. Box 10008, Lancaster, PA 17605-0008 <a href="http://www.highsteel.com/">http://www.highsteel.com/</a> Certified Paint Shop		----



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## Section AISC: Certified Facilities

### AISC Department Register of Certified Paint Shops (AISC or SSPC)

Last Revised: 7/9/2015

The listed companies have been preapproved to paint items for PennDOT. Company approval to paint PennDOT projects must be received before commencement of any work, from the Structural Materials Engineer, Materials Testing Laboratory, Harrisburg, PA.

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	Product	Name	Ref. No.
HIGH2 15	High Steel Structures, Inc., 3501 W 4th Street, Williamsport, PA 17701 Certified Paint Shop	<a href="http://www.highsteel.com/">http://www.highsteel.com/</a>	----
HIR01 15	Hirschfeld Industries Bridge, U.S. Highway 421 West, Colfax, NC 27235 <i>Formerly Carolina Steel Corp. (CAR01 15)</i> Certified Paint Shop	<a href="http://www.hirschfeld.com/">http://www.hirschfeld.com/</a>	----
HIR02 15	Hirschfeld Industries Bridge, Nash County Plant, 241 Corbett Road, Nashville, NC 27856 <i>Formerly Carolina Steel Corp. (CAR02)</i> Certified Paint Shop	<a href="http://www.hirschfeld.com/">http://www.hirschfeld.com/</a>	----
HIR03 15	Hirschfeld Industries Bridge, Abingdon Plant, 15083 Industrial Park Road, Bristol, VA 24201 <i>Formerly Carolina Steel Corp. (CAR03)</i> Certified Paint Shop	<a href="http://www.hirschfeld.com/">http://www.hirschfeld.com/</a>	----
INDPS 15 Plant	Industrial Painting Specialists, 5858 152nd Street North, Hugo, MN 55038 5858 152nd Street North Hugo, MN 55038 Certified Paint Shop		2012-007Q
INDS1 15	Industrial Steel Construction, Inc., 86 North Bridge Street, Gary, IN 46404 Certified Paint Shop	<a href="http://www.iscbridge.com/">http://www.iscbridge.com/</a>	----
INDS2 15	Industrial Steel Construction, Inc., 6120 River Road, Hodgkins, IL 60525 Certified Paint Shop	<a href="http://www.iscbridge.com/">http://www.iscbridge.com/</a>	2008-094



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## Section AISC: Certified Facilities

### AISC Department Register of Certified Paint Shops (AISC or SSPC)

Last Revised: 7/9/2015

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	Product	Name	Ref. No.
KARDW 15	Kard Welding, Inc., 480 Osterloh Road, P. O. Box 124, Minster, OH 45865 Certified Paint Shop		2010-228Q
KIN-1 15	Kinsley Manufacturing, 1100 East Princess Street, York, PA 17403 <a href="http://www.kinsleymanufacturing.com/">http://www.kinsleymanufacturing.com/</a> Certified Paint Shop		----
LITEL 15	Littell Steel Company, 100 Fallston Street, New Brighton, PA 15066 <a href="http://www.littellsteel.com/">http://www.littellsteel.com/</a> Certified Paint Shop		----
MCIWK 15	Michelman Cancelliere Ironworks, 7230 Beth Bath Pike, Bath, PA 18002-0431 <a href="http://www.mcironworks.com/">http://www.mcironworks.com/</a> Certified Paint Shop		2006-022
MISUF 15	Missouri Fabricators, 3226 County Road 257, Fulton, MO 65251-3101 <a href="http://www.occimofab.com/">http://www.occimofab.com/</a> Certified Paint Shop		----
NIAGC 15	Niagara Coatings Services, Inc., 8025 Quarry Road, Niagara Falls, NY 14304 <a href="http://niagaracoatings.com/">http://niagaracoatings.com/</a> Certified Paint Shop <i>Shop has SSPC-QP3 required for removal and disposal of hazardous coatings.</i>		----
OESTE 15 Plant	Oesterling's Sandblasting & Painting, 686 Glenwood Way, Butler, PA 16001 686 Glenwood Way Butler, PA 16001 Certified Paint Shop		-



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## Section AISC: Certified Facilities

### AISC Department Register of Certified Paint Shops (AISC or SSPC)

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	Product	Name	Ref. No.
OHST1 15 Plant	Ohio Structures, Inc., 535 North Broad St., Suite 5, Canfield, OH 44406 535 North Broad St. Suite 5 Canfield, OH 44406 Certified Paint Shop <i>Approved for Shop Application Metalizing.</i>	<a href="http://ohiostructures.com/">http://ohiostructures.com/</a>	2001-168Q
PDMB1 15	Veritas Steel, 2800 Melby Street, Eau Claire, WI 54703 Certified Paint Shop	<a href="http://www.veritassteel.com/">http://www.veritassteel.com/</a>	----
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 Certified Paint Shop	<a href="http://peletwelding.com/">http://peletwelding.com/</a>	----
PIOBR 15	Pioneer Bridges, Division of Bailey Bridges, Inc., 119 40th. Street N.E., Fort Payne, AL 35967 Certified Paint Shop	<a href="http://pioneerbridges.com/">http://pioneerbridges.com/</a>	2010-215
POWSC 15	Powell Steel Corporation, 625 Baumgardner Road, Lancaster, PA 17603 Certified Paint Shop		----
REGIC 15	Regal Industrial Corporation, 1st Street, Donora, PA 15033 Certified Paint Shop <i>Shop has SSPC-QP3 required for removal and disposal of hazardous coatings. Approved for shop application of metalizing.</i>	<a href="http://regalindustrial.com/">http://regalindustrial.com/</a>	----
RP-MA 15	RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740 Certified Paint Shop		----



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## Section AISC: Certified Facilities

### AISC Department Register of Certified Paint Shops (AISC or SSPC)

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	Product	Name	Ref. No.
SAFGD 15	Safety Guard Steel Fabricating Company, 113 Lincoln Avenue, Millvale, PA 15209 Certified Paint Shop	<a href="http://www.safetyguardsteel.com/">http://www.safetyguardsteel.com/</a>	----
Secon 15 Plant	Secondary Service, 757 East Ferry, Buffalo, NY 14211 757 East Ferry Buffalo, NY 14211 Certified Paint Shop <i>Shop has SSPC-QP3 required for removal and disposal of hazardous coatings. Approved for shop application of metalizing.</i>		-
SEISM 15	Seismic Energy Products, 518 Progress Way, Athens, TX 75751 Certified Paint Shop	<a href="http://www.sepbearings.com/">http://www.sepbearings.com/</a>	2010-199
SHANE 15	Shane Felter Industries, P. O. Box 2022, Rt. 51, Uniontown, PA 15401 Certified Paint Shop	<a href="http://www.shanefelterindustries.com/">http://www.shanefelterindustries.com/</a>	----
SRTSS 15	SRT Sales and Services, LLC, 4936 Southway Street SW, Canton, OH 44706 Certified Paint Shop	<a href="http://www.srtsands.com/">http://www.srtsands.com/</a>	----
STRBR 15	Structral Bridges Division of Canam Steel Corporation, 386 River Road, Claremont, NH 03743 Certified Paint Shop		2014-015
STUPP 15	Stupp Bridge Company, 445 Century Street, Bowling Green, KY 42101 Certified Paint Shop	<a href="http://www.stuppbridge.com/">http://www.stuppbridge.com/</a>	----



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## Section AISC: Certified Facilities

### AISC Department Register of Certified Paint Shops (AISC or SSPC)

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	Product	Name	Ref. No.
tsfab 15 Plant	Tuckerman Steel Fabricators, Inc., 256 Marginal St., East Boston, MA 02128 256 Marginal St. East Boston, MA 02128 Certified Paint Shop		-
UNIIS 15	Universal Industrial Sales, 435 North 1200 West, Lindon, UT 84042 <a href="http://www.uisutah.com/uis2011/">http://www.uisutah.com/uis2011/</a> Certified Paint Shop		2011-063QB
USBRG 15	U.S. Bridge, 201 Wheeling Avenue, P.O. Box 757, Cambridge, OH 43725 <a href="http://www.usbridge.com/">http://www.usbridge.com/</a> Certified Paint Shop		----
VALM1 15 Plant	Valmont Industries, Inc., 7002 N 288th Street, Valley, NE 68064 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Valley, NE 68064 Certified Paint Shop		----
VALM2 15 Plant	Valmont Industries, Inc., 58027 Charlotte Ave., Elkhart, IN 46517 <a href="http://www.valmont.com/">http://www.valmont.com/</a> Elkhart, IN 46517 Certified Paint Shop		----
VETS1 15 Plant	Veritas Steel, 2800 Melby Street, Eau Claire, WI 54703 <a href="http://www.veritassteel.com/">http://www.veritassteel.com/</a> 2800 Melby Street Eau Claire, WI 54703 Certified Paint Shop		----
VETS2 15 Plant	Veritas Steel, 3526 W. Sherman Street, Wausau, WI 54401 <a href="http://www.veritassteel.com/">http://www.veritassteel.com/</a> 3526 W. Sherman Street Wausau, WI 54401 Certified Paint Shop		----





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## Section AISC: Certified Facilities

### AISC Department Register of Certified Paint Shops (AISC or SSPC)

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	Product	Name	Ref. No.
WABST 15	Wabash Steel, LLC, 2007 Oliphant Drive, P.O. Box 117, Vincennes, IN 47591 Certified Paint Shop		2008-079Q
WALPR 15	Walpar, Inc., 4200 Jefferson Ave., S.W., Birmingham, AL 35228 <a href="http://walpar.com/">http://walpar.com/</a> Certified Paint Shop		----
WMBC1 15	Williams Bridge Company, 8624 J. D. Reading Dr., Manassas, VA 20109 <a href="http://wmsi.com/subsidiaries/wbc/">http://wmsi.com/subsidiaries/wbc/</a> Certified Paint Shop		2013-161QB
WMBC2 15	Williams Bridge Company, 700 East 4th St., Richmond, VA 23224 <a href="http://wmsi.com/subsidiaries/wbc/">http://wmsi.com/subsidiaries/wbc/</a> Certified Paint Shop		2013-161



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## Section MACH: PennDOT Register of Certified Machine Shops

### MACH Certified Machine Shops

Last Revised: 8/4/2015

In accordance with Section 1105, listed shops are eligible to manufacturer and furnish indicated machining operations on products for the Department. All products must conform to PennDOT Specifications in Publication 408 and approved shop drawings.

	Product	Name	Ref. No.
AASCO 15	A588 & A572 Steel Company, 785 Arch Street, Carnegie, PA 15106 Cutting Operation	<a href="http://www.a588a572steel.com/">http://www.a588a572steel.com/</a>	2010-192Q
ACCPR 15	AccuTrex Products, Inc., 112 Southpointe Blvd., Canonsburg, PA 15317 Bending Operation Cutting Operation Drilling or Punching Operation Grinding Operation Laser Cutting Operation <i>Project by project approval by Chief Structural Materials Engineer.</i> Water Jet Cutting Operation <i>Project by project approval by Chief Structural Materials Engineer.</i>	<a href="http://www.accutrex.com/">http://www.accutrex.com/</a>	2012-241Q 2003-178Q 2003-178Q 2012-241Q 2012-241Q 2012-240Q
ACMGS 15	Acme Grinding Services, Inc., 126 East Niagara St., Tonawanda, NY 14150 Grinding Operation		2001-049Q
ACMMW 15	Acme Machine & Welding Company, 46 Anchor Inn Road, Punxsutawney, PA 15767 Cutting Operation Drilling or Punching Operation Grinding Operation	<a href="http://www.acmemw.com/">http://www.acmemw.com/</a>	2009-168Q 2009-168Q 2009-168Q
ACRMI 15	ACR Machine, Inc., 21 N. 10th Ave., Coatesville, PA 19320-3382 Cutting Operation Drilling or Punching Operation	<a href="http://www.acrmachine.com/">http://www.acrmachine.com/</a>	----- -----



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## Section MACH: PennDOT Register of Certified Machine Shops

### MACH Certified Machine Shops

Last Revised: 8/4/2015

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	Product	Name	Ref. No.
ADVSC 15	Advantage Steel & Construction, LLC, 2300 South Noah Drive, Saxonburg, PA 16056 <a href="http://www.advsteel.com/">http://www.advsteel.com/</a>		
	Bending Operation		2015-024Q
	Cutting Operation		2015-024Q
	Drilling or Punching Operation		2015-024Q
	Grinding Operation		2015-024Q
ALTPS 15	Pechter, Inc. DBA Altoona Pipe and Steel, 1128 Ninth Ave., Altoona, PA 16603 <a href="http://www.altoonapipeandsteel.com/">http://www.altoonapipeandsteel.com/</a>		
	Bending Operation		2012-051Q
	Cutting Operation		2012-051Q
	Drilling or Punching Operation		2012-051Q
	Grinding Operation		2012-051Q
AMCTC 15	A.M. Castle & Company, 26800 Miles Road, Bedford Heights, OH 44146 <a href="http://www.amcastle.com/">http://www.amcastle.com/</a>		
	Bending Operation		2002-089Q
	Cutting Operation		2002-089Q
	Drilling or Punching Operation		2002-089Q
	Grinding Operation		2002-089Q
AMEPB 15	American Pipe Bending, Inc., Dawson Road, Tulsa, OK 74110 <a href="http://americanpipebending.co/">http://americanpipebending.co/</a>		
	Cutting Operation		2011-157Q
	Induction Bending Operation		2011-157Q
APEX- 15	Apex Fabrication & Design, Inc., 7938 Boyerstown Road, Boyerstown, PA 19512 <a href="http://www.apexfab.com/">http://www.apexfab.com/</a>		
	Bending Operation		2014-195QM
	Cutting Operation		2014-195QM
	Drilling or Punching Operation		2014-195QM
	Grinding Operation		2014-195QM



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	Product	Name	Ref. No.
ASC-1 15	Alro Steel Corporation, 1800 W. Willow Road, Lansing, MI 48915 <a href="http://www.alro.com/">http://www.alro.com/</a>		
	Bending Operation		2007-123Q
	Cutting Operation		2007-123Q
	Drilling or Punching Operation		2007-123Q
	Grinding Operation		2007-123Q
ASC-2 15	Alro Steel Corporation, 50 Ensminger Road, Tonawanda, NY 14150-6718 <a href="http://www.alro.com/">http://www.alro.com/</a>		
	Cutting Operation		2007-197Q
	Grinding Operation		2007-197Q
ASC-3 15	Alro Steel Corporation, 4787 State Road, Cuyahoga Falls, OH 44223-3555 <a href="http://www.alro.com/">http://www.alro.com/</a>		
	Cutting Operation		2007-199Q
	Drilling or Punching Operation		2007-199Q
	Grinding Operation		2007-199Q
ASC-4 15	Alro Steel Corporation, 3003 Airport Highway, Toledo, OH 43609 <a href="http://www.alro.com/">http://www.alro.com/</a>		
	Bending Operation		2007-124Q
	Cutting Operation		2007-124Q
	Drilling or Punching Operation		2007-124Q
	Grinding Operation		2007-124Q
ASC-5 15	Alro Steel Corporation, 140 Solar Drive, Imperial, PA 15126 <a href="http://www.alro.com/">http://www.alro.com/</a>		
	Cutting Operation		2007-198Q
ASC-6 15	Alro Steel Corporation, 5859 Alro Park Dr, Pottersville, MI 48876-8795 <a href="http://www.alro.com/">http://www.alro.com/</a>		
	Cutting Operation		2011-115Q
	Laser Cutting Operation		2015-076Q



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	Product	Name	Ref. No.
ASC-7 15	Alro Steel Corporation, 130 Keeney Lane, York, PA 17406 <a href="http://www.alro.com/">http://www.alro.com/</a> Cutting Operation		2013-196Q
ASC-8 15	Alro Steel Corporation, 18881 Sherwood Avenue, Detroit, MI 48234 <a href="http://www.alro.com/">http://www.alro.com/</a> Water Jet Cutting Operation <i>Project by project approval by Chief Structural Materials Engineer.</i>		2013-240Q
ATLMW 15	Atlas Machining & Welding, Inc, 777 Smith Lane, Northampton, PA 18067 <a href="http://www.atlasmw.com/">http://www.atlasmw.com/</a> Bending Operation Cutting Operation Drilling or Punching Operation Grinding Operation		2010-292Q 2010-292Q 2010-292Q 2010-292Q
ATLRC 15	Atlanta Rod and Manufacturing Company, Inc., 144 Schokbeta Street, Lavonia, GA 30553 <a href="http://www.atlrod.com/">http://www.atlrod.com/</a> Cutting Operation		2015-002Q
AXSAC 15	A & X Steel and Aluminum Company, 2825 Annapolis Road, Baltimore, MD 21230 Bending Operation		2013-155Q
BACWM 15	Bachle Welding & Machine, Inc., 1685 Turkey Bottom Road, Muncy, PA 17756 <a href="http://www.bachlewelding.com/">http://www.bachlewelding.com/</a> Cutting Operation Drilling or Punching Operation		2007-145Q 2007-145Q



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	Product	Name	Ref. No.
BARMM 15	Bartley Machine & Manufacturing Company, Inc., 35 Water Street, Amesbury, MA 01913 <a href="http://www.bartleymachine.com/">http://www.bartleymachine.com/</a>		
	Bending Operation		2014-172Q
	Cutting Operation		2014-172Q
	Drilling or Punching Operation		2014-172Q
	Grinding Operation		2014-172Q
	Press Brake (Tubular)		2014-172Q
	Water Jet Cutting Operation		2014-172Q
	<i>Project by project approval by Chief Structural Materials Engineer.</i>		
BEAES 15	Bearing Engineered Solutions, 430 Morgan Ave., Akron, OH 44311 <a href="http://bearingengineeredolutions.com/">http://bearingengineeredolutions.com/</a>		
	Drilling or Punching Operation		2011-131Q
BENS1 15	Benjamin Steel Company, Inc., 777 Benjamin Dr., Springfield, OH 45502 <a href="http://www.benjaminsteel.com/">http://www.benjaminsteel.com/</a>		
	Cutting Operation		2010-189Q
	Drilling or Punching Operation		2010-189Q
BENS2 15	Benjamin Steel Company, Inc., 15 Mansfield Ind. Pkwy., Mansfield, OH 44903 <a href="http://www.benjaminsteel.com/">http://www.benjaminsteel.com/</a>		
	Cutting Operation		2010-279Q
BENS3 15	Benjamin Steel Company, Inc., 1825 Kuntz Road, Dayton, OH 45404 <a href="http://www.benjaminsteel.com/">http://www.benjaminsteel.com/</a>		
	Bending Operation		2010-298Q
	Cutting Operation		2010-298Q
	Grinding Operation		2010-298Q
BENS4 15	Benjamin Steel Company, Inc., 3111 St. Johns Road, Lima, OH 45804 <a href="http://www.benjaminsteel.com/">http://www.benjaminsteel.com/</a>		
	Bending Operation		2010-280Q
	Cutting Operation		2010-280Q
	Drilling or Punching Operation		2010-280Q
	Grinding Operation		2010-280Q



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	Product	Name	Ref. No.
BENTC 15	BendTec, Inc., 366 Garfield Avenue, Duluth, MN 55802 <a href="http://www.bendtec.com/">http://www.bendtec.com/</a>		
	Bending Operation		2013-087QA
	Cutting Operation		2013-087QA
	Drilling or Punching Operation		2013-087QA
	Grinding Operation		2013-087QA
	Induction Bending Operation		2013-087QA
BERMF 15	Bear Ridge Machine & Fabrication, Inc., 10 Eleanor Avenue, Frackville, PA 17931 <a href="http://brmf.net/">http://brmf.net/</a>		
	Bending Operation		2002-113Q
	Cutting Operation		2002-113Q
	Drilling or Punching Operation		2002-113Q
	Grinding Operation		2002-113Q
BLALP 15	Black Lion Products, LLC, 3710 Henricks Road, Youngstown, OH 44515		
	Bending Operation		2014-213Q
	Cutting Operation		2014-213Q
	Drilling or Punching Operation		2014-213Q
	Grinding Operation		2014-213Q
BRIDS 15	Bridge Deck Solutions, LLC, 298 Cherry Hill Drive, Latrobe, PA 15650		
	Bending Operation		2011-190Q
	Cutting Operation		2011-190Q
	Drilling or Punching Operation		2011-190Q
	Grinding Operation		2011-190Q



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	Product	Name	Ref. No.
BROMP 15	Brownsville Marine Products, LLC, 1800 Paul Thomas Blvd., Brownsville, PA 15417 <a href="http://www.brownsvillemarine.com/">http://www.brownsvillemarine.com/</a>		
	Bending Operation		2013-095Q
	Cutting Operation		2013-095Q
	Drilling or Punching Operation		2013-095Q
	Grinding Operation		2013-095Q
	Press Brake (Tubular)		2013-095Q
CHASC 15	Chapel Steel Company, 191 South Keim Street, Pottstown, PA 19464 <a href="http://chapelsteel.com/">http://chapelsteel.com/</a>		
	Cutting Operation		2001-196Q
	Drilling or Punching Operation		2001-196Q
CONS0 15	Consolidated Steel Services, Inc., 632 Glendale Valley Blvd., Fallentimber, PA 16639 <a href="http://csteel.com/">http://csteel.com/</a>		
	Cutting Operation		2003-093Q
	Drilling or Punching Operation		2003-093Q
CONSV 15	Con-Serv, Inc., 2963 Interstate Parkway, Brunswick, OH 44212 <a href="http://www.con-servinc.com/">http://www.con-servinc.com/</a>		
	Bending Operation		2006-060Q
	Cutting Operation		2006-060Q
	Drilling or Punching Operation		2006-060Q
	Grinding Operation		2006-060Q
CUMPS 15	Pechter Inc. DBA Cumberland Pipe & Steel Supply, 11901 Upper Potomac Ind. Park, P.O. Box 1320, Cumberland, MD 21501		
	Bending Operation		2012-052Q
	Cutting Operation		2012-052Q
	Drilling or Punching Operation		2012-052Q
	Grinding Operation		2012-052Q





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## Section MACH: PennDOT Register of Certified Machine Shops

### MACH Certified Machine Shops

Last Revised: 8/4/2015

In accordance with Section 1105, listed shops are eligible to manufacturer and furnish indicated machining operations on products for the Department. All products must conform to PennDOT Specifications in Publication 408 and approved shop drawings.

	Product	Name	Ref. No.
CUSMC 15	Custom Manufacturing Company, 5501 S. Lamar Street, Dallas, TX 75215 <a href="http://custommfgco.com/">http://custommfgco.com/</a>		
	Bending Operation		2010-328Q
	Cutting Operation		2010-328Q
	Drilling or Punching Operation		2010-328Q
	Grinding Operation		2010-328Q
DAVMC 15	Davis Machine Company, 180 Front Street, Leetonia, OH 44431 <a href="http://www.davismachineco.com/">http://www.davismachineco.com/</a>		
	Bending Operation		2001-118Q
	Cutting Operation		2001-118Q
	Drilling or Punching Operation		2001-118Q
	Grinding Operation		2001-118Q
DIVMA 15	Diversified Manufacturing, Inc, 410 Ohio St., Lockport, NY 14094 <a href="http://www.dmimfg.com/">http://www.dmimfg.com/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
DMSMF 15	DMS Machining and Fabrication, P.O. Box 477, 10 Transport Drive, Barre, VT 05641 <a href="http://www.dmsmachine.com/">http://www.dmsmachine.com/</a>		
	Bending Operation		2015-047Q
	Cutting Operation		2015-047Q
	Drilling or Punching Operation		2015-047Q
	Grinding Operation		2015-047Q
DUFFI 15	Duffy Fabrication, Inc., 32 Mechanic Avenue, Woonsocket, RI 02895 <a href="http://www.abduffy.com/index.html">http://www.abduffy.com/index.html</a>		
	Water Jet Cutting Operation <i>Project by project approval by Chief Structural Materials Engineer.</i>		2014-094Q



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	Product	Name	Ref. No.
DYNFC 15	Dyna-Fab Corporation, 3893 South S.R. 263, West Lebanon, IN 47991 <a href="http://dyna-fab.org/">http://dyna-fab.org/</a>		
	Bending Operation		2008-105Q
	Cutting Operation		2008-105Q
	Drilling or Punching Operation		2008-105Q
	Grinding Operation		2008-105Q
DYSNC 15	Dyson Corporation, 53 Freedom Road, Painesville, OH 44077 <a href="http://www.dysoncorp.com/index.html">http://www.dysoncorp.com/index.html</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
EASSM 15	Eastern Shaft & Manufacturing, 160 Court St., Lancaster, NY 14086		
	Bending Operation		2000-330Q
	Cutting Operation		2000-330Q
	Drilling or Punching Operation		2000-330Q
	Grinding Operation		2000-330Q
EXC-0 15	Excalibur Machine, LLC, 9723 Hwy 322, P.O. Box 605, Conneaut Lake, PA 16316 <a href="http://www.excaliburmachine.com/">http://www.excaliburmachine.com/</a>		
	Bending Operation		2013-122Q
	Cutting Operation		2013-122Q
	Drilling or Punching Operation		2013-122Q
	Grinding Operation		2013-122Q



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	Product	Name	Ref. No.
<b>EXC-1 15</b>	<b>Excalibur Machine, LLC, 9723 Hwy 322, P.O. Box 605, Conneaut Lake, PA 16316</b>	<a href="http://www.excaliburmachine.com/">http://www.excaliburmachine.com/</a>	
<b>Plant</b>	<b>9723 Hwy 322 P.O. Box 605 Conneaut Lake, PA 16316</b>		
	Bending Operation		2013-170Q
	Cutting Operation		2013-170Q
	Drilling or Punching Operation		2013-170Q
	Grinding Operation		2013-170Q
<b>EXC-2 15</b>	<b>Excalibur Machine, LLC, 9723 Hwy 322, P.O. Box 605, Conneaut Lake, PA 16316</b>	<a href="http://www.excaliburmachine.com/">http://www.excaliburmachine.com/</a>	
<b>Plant</b>	<b>9723 Hwy 322 P.O. Box 605 Conneaut Lake, PA 16316</b>		
	Bending Operation		2013-171Q
	Cutting Operation		2013-171Q
	Drilling or Punching Operation		2013-171Q
	Grinding Operation		2013-171Q
<b>EXTMF 15</b>	<b>Extreme Machine &amp; Fabricating, Inc., 2340 Quality Lane, West Middlesex, PA 16159</b>	<a href="http://extrememachine.net/">http://extrememachine.net/</a>	
<b>Plant</b>	<b>Hermitage, PA 16148</b>		
	Bending Operation		2000-265Q
	Cutting Operation		2000-265Q
	Drilling or Punching Operation		2000-265Q
	Grinding Operation		2000-265Q
<b>FASCM 15</b>	<b>Fastenal Company Manufacturing Division, 1801 Theurer Blvd., Winona, MN 55987</b>	<a href="https://www.fastenal.com/home.ex">https://www.fastenal.com/home.ex</a>	
	Bending Operation		2000-342Q
	Cutting Operation		2000-342Q
	Drilling or Punching Operation		2000-342Q
	Grinding Operation		2000-342Q



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	Product	Name	Ref. No.
FILCD 15	Dennis Filges Company, Inc., 238 Center Drive, Chicora, PA 16025 <a href="http://www.filgesco.com/">http://www.filgesco.com/</a>		
	Bending Operation		2012-060Q
	Cutting Operation		2012-060Q
	Drilling or Punching Operation		2012-060Q
FLEMI 15	Fletcher Machine, Inc., 19537 U.S. Route 6, Weston, OH 43569 <a href="http://www.fletchermachine.com/">http://www.fletchermachine.com/</a>		
	Bending Operation		2000-267Q
	Cutting Operation		2000-267Q
	Drilling or Punching Operation		2000-267Q
FLORJ 15	R/J Florig Industrial Company, Inc., 910 Brook Road, Conshohocken, PA 19428 <a href="http://www.rjflorig.com/">http://www.rjflorig.com/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
FROST 15	Frontier Steel Company, 4990 Grand Avenue, Newville Island, PA 15225 <a href="http://www.frontiersteel.com/">http://www.frontiersteel.com/</a>		
	Bending Operation		2009-183Q
	Cutting Operation		2006-085Q
FILCR 15	Gilcher Machine LLC, 65671 Rabbit Road, Cambridge, OH 43725		
	Cutting Operation		2013-208Q
	Drilling or Punching Operation		2013-208Q
	Grinding Operation		2013-208Q



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	Product	Name	Ref. No.
GLOFA 15	Gortech Global Fabrication, 215 Beaver Drive, Dubois, PA 15801		
	Bending Operation		2009-015Q
	Cutting Operation		2009-015Q
	Drilling or Punching Operation		2009-015Q
	Grinding Operation		2009-015Q
GRENR 15	Greiner Industries, Inc., 1650 Steel Way, Mount Joy, PA 17552 <a href="http://greinerindustries.com/">http://greinerindustries.com/</a>		
	Bending Operation		2009-060Q
	Cutting Operation		2009-060Q
	Drilling or Punching Operation		2009-060Q
	Grinding Operation		2009-060Q
HABSI 15	Haberle Steel, Inc., 1946 East Cherry Lane, Souderton, PA 18964 <a href="http://haberlesteel.com/">http://haberlesteel.com/</a>		
	Bending Operation		2010-211Q
	Cutting Operation		2010-211Q
	Drilling or Punching Operation		2010-211Q
	Grinding Operation		2010-211Q
HALL1 15	Hall Industries, Inc., Hall Equipment Division, 1 USS Industrial Park, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----



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	Product	Name	Ref. No.
HALL2 15	Hall Industries, Inc., 514 Mecklem Lane, Ellwood City, PA 16117 <a href="http://hallindustries.com/">http://hallindustries.com/</a>		
	Bending Operation		2002-011Q
	Cutting Operation		2002-011Q
	Drilling or Punching Operation		2002-011Q
	Grinding Operation		2002-011Q
HAYDN 15	Haydon Bolts, Inc., 1181 Unity Street, Philadelphia, PA 19124 <a href="http://www.haydonbolts.com/">http://www.haydonbolts.com/</a>		
	Bending Operation		2011-262Q
	Cutting Operation		2011-262Q
	Drilling or Punching Operation		2011-262Q
	Grinding Operation		2011-262Q
HERSA 15	Herr and Sacco, Incorporated, 1831 Auction Road, Manheim, PA 17545 <a href="http://www.herrandsacco.com/index.html">http://www.herrandsacco.com/index.html</a>		
	Bending Operation		2014-192Q
	Cutting Operation		2014-192Q
	Drilling or Punching Operation		2014-192Q
	Grinding Operation		2014-192Q
	Laser Cutting Operation		2014-192Q
	<i>Project by project approval by Chief Structural Materials Engineer.</i>		
Water Jet Cutting Operation		2014-192Q	
<i>Project by project approval by Chief Structural Materials Engineer.</i>			
HIGH1 15	High Steel Structures, Inc., 1915 Old Philadelphia Pike,, P.O. Box 10008, Lancaster, PA 17605-0008 <a href="http://www.highsteel.com/">http://www.highsteel.com/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----



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	Product	Name	Ref. No.
HREVA 15	HR Evans Steel Company, 193 N. James Street, East Palestine, OH 44413 <a href="http://www.hrevans.com/">http://www.hrevans.com/</a>		
	Cutting Operation		2014-003Q
	Drilling or Punching Operation		2014-003Q
	Grinding Operation		2014-003Q
IMHPI 15	IMH Products, Inc, 1121 East 46th Street, Indianapolis, IN 46205 <a href="http://www.imh.com/">http://www.imh.com/</a>		
	Bending Operation		2013-113Q
	Cutting Operation		2013-113Q
	Drilling or Punching Operation		2013-113Q
INDGS 15	Industrial Gasket & Shim Company, Inc., 200 Country Club Rd., P.O. Box 368, Meadow Lands, PA 15347 <a href="http://www.igsind.com/">http://www.igsind.com/</a>		
	Bending Operation		2011-148Q
INFRA 15	Infra-Metals Company, 1900 Bessemer Road, Petersburg, VA 23805 <a href="http://www.infra-metals.com/">http://www.infra-metals.com/</a>		
	Bending Operation		2012-190Q
	Cutting Operation		2012-190Q
	Drilling or Punching Operation		2012-190Q
	Grinding Operation		2012-190Q
INTSS 15	Interstate Safety Service, Inc., 1301 Winola Road, Clarks Summit, PA 18411		
	Bending Operation		2015-006Q
	Cutting Operation		2015-006Q



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	Product	Name	Ref. No.
J&RS2 15	J & R Slaw, Inc., 438 Riverview Road, Lehighton, PA 18235 <a href="http://www.slawprecast.com/">http://www.slawprecast.com/</a>		
	Cutting Operation		----
	<i>Sound barrier post base plates only.</i>		
	Drilling or Punching Operation		----
	<i>Sound barrier post base plates only.</i>		
JERMA 15	Jerl Machine, Inc., 11140 Avenue Road, Perrysburg, OH 43551 <a href="http://jerl.com/">http://jerl.com/</a>		
	Bending Operation		2000-266Q
	Cutting Operation		2000-266Q
	Drilling or Punching Operation		2000-266Q
	Grinding Operation		2000-266Q
JHBTS 15	J. H. Botts, Inc., 253 East Bruce St., Joliet, IL 60432 <a href="http://www.jhbotts.com/products.htm">http://www.jhbotts.com/products.htm</a>		
	Bending Operation		2010-109Q
	Cutting Operation		2010-109Q
	Drilling or Punching Operation		2010-109Q
	Grinding Operation		2010-109Q
KARDW 15	Kard Welding, Inc., 480 Osterloh Road, P. O. Box 124, Minster, OH 45865		
	Bending Operation		2010-228Q
	Cutting Operation		2010-228Q
	Drilling or Punching Operation		2010-228Q
	Grinding Operation		2010-228Q
KELBR 15	Kellner Brothers, Inc., 222 Chicago St., Buffalo, NY 14204-2249 <a href="http://kellnerbrosinc.com/">http://kellnerbrosinc.com/</a>		
	Cutting Operation		2003-115Q
	Drilling or Punching Operation		2003-115Q





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	Product	Name	Ref. No.
KERMA 15	Kercher Machine Works, 920 Mechanic St., Lebanon, PA 17042 <a href="http://www.kercherindustries.com/">http://www.kercherindustries.com/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
KLENY 15	Klein Steel of Western New York, 1050 Military Road, Buffalo, NY 14217 <a href="http://www.kleinsteel.com/">http://www.kleinsteel.com/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
KLESS 15	Klein Steel Service, Inc., 105 Vanguard Parkway, Rochester, NY 14606 <a href="http://www.kleinsteel.com/">http://www.kleinsteel.com/</a>		
	Cutting Operation		----
	Drilling or Punching Operation		----
KLOMC 15	Kloekner Metals Corporation, 2005 Grassland Parkway, Alpharetta, GA 30004 <a href="http://www.kloeknermetals.com/Home.aspx">http://www.kloeknermetals.com/Home.aspx</a>		
	Cutting Operation		2001-126Q
	Drilling or Punching Operation		2001-126Q
KLOMT 15	Kloekner Metals - Temtco Steel Division, 500 Manchester Court, York, PA 17408 <a href="http://www.kloeknermetals.com/Home.aspx">http://www.kloeknermetals.com/Home.aspx</a>		
	Bending Operation		2014-226Q
	Cutting Operation		2014-226Q
	Drilling or Punching Operation		2014-226Q
	Grinding Operation		2014-226Q
	Laser Cutting Operation		2014-226Q
	<i>Project by project approval by Chief Structural Materials Engineer.</i>		



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	Product	Name	Ref. No.
KOTMP 15	Kottler Metal Products, 1595 Lost Nation Road, Willoughby, OH 44094-4633 <a href="http://www.kottlermetal.com/">http://www.kottlermetal.com/</a>		
	Bending Operation		----
	Cutting Operation		----
LAMTC 15	Lawruk Machine & Tool Company, 302 East 6th Ave., Altoona, PA 16602 <a href="http://lawrukmachine.com/Contact.html">http://lawrukmachine.com/Contact.html</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
LOGII 15	Logue Industries, Inc., 120 South Arch St., Montoursville, PA 17754 <a href="http://logueind.com/">http://logueind.com/</a>		
	Bending Operation		2000-334Q
	Cutting Operation		2000-334Q
	Drilling or Punching Operation		2000-334Q
	Grinding Operation		2000-334Q
LPRPR 15	LPR Precision, 108 Rome Street, Farmingdale, NY 11735 <a href="http://lprprecision.com/">http://lprprecision.com/</a>		
	Bending Operation		2014-034Q
	Drilling or Punching Operation		2014-034Q
	Grinding Operation		2014-034Q
	Laser Cutting Operation		2014-034Q
	<i>Project by project approval by Chief Structural Materials Engineer.</i>		
	Water Jet Cutting Operation		2014-034Q
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	Product	Name	Ref. No.
LUBTC 15	Lubrite Technologies, 18649 Brake Shoe Road, Meadville, PA 16335-0458 <a href="http://www.usbfmi.com/lube1.htm">http://www.usbfmi.com/lube1.htm</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
MAFES 15	The Machine Fabricating and Weight Equipment Shop, 267 Coolspring St., Uniontown, PA 15401 <a href="http://machfabshop.com/">http://machfabshop.com/</a>		
	Bending Operation		2000-231Q
	Cutting Operation		2000-231Q
	Drilling or Punching Operation		2000-231Q
	Grinding Operation		2000-231Q
MARII 15	Marstrand Industries, Inc., 12 Rutgers Road, P.o. Box 44089, Pittsburgh, PA 15205 <a href="http://www.marstrand.us/">http://www.marstrand.us/</a>		
	Bending Operation		2001-214Q
	Cutting Operation		2001-214Q
	Drilling or Punching Operation		2001-214Q
	Grinding Operation		2001-214Q
MARKL 15	Marmon/Keystone, LLC, 4521 Willow Parkway, Cleveland, OH 44125 <a href="https://www.marmonkeystone.com/ecomm/servlet/HomepageServlet">https://www.marmonkeystone.com/ecomm/servlet/HomepageServlet</a>		
	Bending Operation		2010-195Q
	Cutting Operation		2010-195Q
	Grinding Operation		2010-195Q
MARMF 15	Martelli's Metal Fabrication, 4 Louise Drive, Ivyland, PA 18974 <a href="http://martellismetalfab.com/">http://martellismetalfab.com/</a>		
	Bending Operation		2015-001Q
	Cutting Operation		2015-001Q
	Drilling or Punching Operation		2015-001Q
	Grinding Operation		2015-001Q



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	Product	Name	Ref. No.
MDLM- 15	MDL Manufacturing Industries, Inc., 15 Commerce Court, Bedford, PA 15522 <a href="http://www.mdlmanufacturing.com/">http://www.mdlmanufacturing.com/</a>		
	Bending Operation		2014-059Q
	Cutting Operation		2014-059Q
	Drilling or Punching Operation		2014-059Q
	Grinding Operation		2014-059Q
	Laser Cutting Operation		2014-059Q
	<i>Project by project approval by Chief Structural Materials Engineer.</i>		
	Press Brake (Tubular)		2014-059Q
MET-1 15	Metals USA, 50 Cabot Blvd., Langhorne, PA 19047 <a href="http://www.metalsusa.com/">http://www.metalsusa.com/</a>		
	Cutting Operation		----
	Drilling or Punching Operation		----
MET-2 15	Metals USA, 81 Century Drive, Ambridge, PA 15003 <a href="http://www.metalsusa.com/">http://www.metalsusa.com/</a>		
	Cutting Operation		2002-077Q
	Drilling or Punching Operation		2002-077Q
MET-3 15	Metals USA, 6991 Freedom Avenue, N.W., North Canton, OH 44720 <a href="http://www.metalsusa.com/">http://www.metalsusa.com/</a>		
	Cutting Operation		2003-103Q
	Drilling or Punching Operation		2003-103Q
MET-4 15	Metals USA, 10 Tower Road, Seekonk, MA 02771 <a href="http://www.metalsusa.com/">http://www.metalsusa.com/</a>		
	Cutting Operation		----
MET-5 15	Metals USA, 1900 Kittyhawk Avenue, Building 57, Philadelphia, PA 19112 <a href="http://www.metalsusa.com/">http://www.metalsusa.com/</a>		
	Bending Operation		2001-026Q
	Cutting Operation		2001-026Q
	Press Brake (Tubular)		2001-026Q



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	Product	Name	Ref. No.
MET-6 15	Metals USA, 75 Stonewood Road, York, PA 17402 <a href="http://www.metalsusa.com/">http://www.metalsusa.com/</a> Cutting Operation		2010-247Q
MET-7 15	Metals USA, 201 South Washington Street, Pottstown, PA 19047 <a href="http://www.metalsusa.com/">http://www.metalsusa.com/</a> Cutting Operation Drilling or Punching Operation		2015-040Q 2015-040Q
MGLOS 15	M. Glosser & Sons, Inc., 72 Messenger Street, Johnstown, PA 15902 Cutting Operation		2012-219Q
MILMF 15	Miller Metal Fabrication, Inc., 16356 Sussex Hwy, P.O. Box 249, Bridgeville, DE 19933 <a href="http://www.millermetal.com/">http://www.millermetal.com/</a> Bending Operation Cutting Operation Drilling or Punching Operation Grinding Operation		2007-096Q 2007-096Q 2007-096Q 2007-096Q
MUNMT 15	Muncy Machine & Tool Company, Inc., P. O. Box 205, Muncy, PA 17756 <a href="http://www.muncyindustries.com/">http://www.muncyindustries.com/</a> Bending Operation Cutting Operation Drilling or Punching Operation Grinding Operation		---- ---- ---- ----
NAMCO 15	Namasco Corporation, 3835 Singleton Blvd., Dallas, TX 75212 Cutting Operation Drilling or Punching Operation Grinding Operation		2011-140Q 2011-140Q 2011-140Q



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	Product	Name	Ref. No.
NIABR 15	Niagara Bridge & Rail, 2212 Cory Drive, Sanborn, NY 14132 <a href="http://nbrfab.com/">http://nbrfab.com/</a>		
	Bending Operation		2009-076Q
	Cutting Operation		2009-076Q
	Drilling or Punching Operation		2009-076Q
	Grinding Operation		2009-076Q
NIAMC 15	Niagara Manufacturing Company, 2725 West 17th St., Erie, PA 16505 <a href="http://niagaramfg.com/">http://niagaramfg.com/</a>		
	Bending Operation		1999-169Q
	Cutting Operation		1999-169Q
	Drilling or Punching Operation		1999-169Q
	Grinding Operation		1999-169Q
OLYCD 15	Olympic Steel, Cleveland Division, 5080 Richmond Road, Bedford Heights, OH 44146 <a href="http://www.olysteel.com/">http://www.olysteel.com/</a>		
	Cutting Operation		2003-057Q
	Drilling or Punching Operation		2003-057Q
ONL-1 15	O'Neal Steel Company, 2975 Duss Ave., Ambridge, PA 15003 <a href="http://www.onealsteel.com/">http://www.onealsteel.com/</a>		
	Bending Operation		2000-309Q
	Cutting Operation		2000-309Q
	Drilling or Punching Operation		2000-309Q
	Grinding Operation		2000-309Q
ONL-2 15	O'Neal Steel Company, 11228 Hwy 14 East, New Haven, IN 46774 <a href="http://www.onealsteel.com/">http://www.onealsteel.com/</a>		
	Cutting Operation		2011-109Q
	Grinding Operation		2011-109Q
ONL-3 15	O'Neal Steel Company, 1 Broad Street, Clifton, NJ 07015 <a href="http://www.onealsteel.com/">http://www.onealsteel.com/</a>		
	Cutting Operation		2011-110Q
	Grinding Operation		2011-110Q



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	Product	Name	Ref. No.
ONL-5 15	O'Neal Steel Company, 10848 Luna Road, Dallas, TX 75354 <a href="http://www.onealsteel.com/">http://www.onealsteel.com/</a>		
	Cutting Operation		2011-199
	Grinding Operation		2011-199
PARTD 15	Paragon Tool & Die, 15439 Akron-Canfield Road, P.O. Box 102, Berlin Ctr., OH 44401 <a href="https://www.paragontd.com/">https://www.paragontd.com/</a>		
	Drilling or Punching Operation		2009-005Q
	Grinding Operation		2009-005Q
PEIWF 15	Peirce Welding & Fabricating, 170 Airport Rd., P.O. Box 369, Bethel, PA 19507 <a href="http://www.peircewelding.com/index.html">http://www.peircewelding.com/index.html</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
PELET 15	Pelet Welding, Inc., 19 North 12th Avenue, Coatesville, PA 19320 <a href="http://peletwelding.com/">http://peletwelding.com/</a>		
	Bending Operation		2012-109Q
	Cutting Operation		2012-109Q
	Drilling or Punching Operation		2012-109Q
PERPV 15	Performance Processing Venture, LLC, 660 Martin Luther King Jr. Blvd., Farrell, PA 16121		
	Cutting Operation		2009-136Q
PKMAC 15	P. K. Machine, 9 Brooks Ave., Willow Street, PA 17584		
	Bending Operation		2001-165Q
	Cutting Operation		2001-165Q
	Drilling or Punching Operation		2001-165Q
	Grinding Operation		2001-165Q



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	Product	Name	Ref. No.
PRESS 15	Precision Steel Services Inc., 31 E. Sylvania Ave., Toledo, OH 43616 Cutting Operation	<a href="http://precision-steel.com/">http://precision-steel.com/</a>	----
PRETC 15	Premium Tool Company, Inc., 1082 Penn Avenue, Jersey Shore, PA 17740 Cutting Operation Drilling or Punching Operation		2002-043Q 2002-043Q
PROMA 15	Professional Machine, 518 Maple Street, Holyoke, MA 01040 Drilling or Punching Operation Grinding Operation	<a href="http://www.promach.biz/">http://www.promach.biz/</a>	2013-015Q 2013-015Q
PRSNY 15	Private Systems of WNY, Inc., 3774 Lakeshore Rd., Blasdell, NY 14219 Drilling or Punching Operation Grinding Operation		2010-177Q 2010-177Q
QUABF 15	Quality Bridge and Fab, Inc., 3608 Sharon Road, West Middlesex, PA 16159 Bending Operation Cutting Operation Drilling or Punching Operation Grinding Operation	<a href="http://www.qualitybridgeandfab.com/">http://www.qualitybridgeandfab.com/</a>	2013-049Q 2013-049Q 2013-049Q 2013-049Q
QUAFC 15	Quality Flame Cutting, Inc., 828 Main St., Fremont, NH 03841 Cutting Operation Grinding Operation	<a href="http://www.qfcflame.com/">http://www.qfcflame.com/</a>	2008-179Q 2008-179Q





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	Product	Name	Ref. No.
RANIN 15	Ranor, Inc., Bella Drive, Westminster, MA 01473 <a href="http://www.ranor.com/">http://www.ranor.com/</a>		
	Bending Operation		2001-151Q
	Cutting Operation		2001-151Q
	Drilling or Punching Operation		2001-151Q
	Grinding Operation		2001-151Q
REYMC 15	Reynolds Manufacturing Company, Inc., 621 Railroad Ave., Avonmore, PA 15618 <a href="http://www.reynoldsmfg.com/">http://www.reynoldsmfg.com/</a>		
	Bending Operation		2013-084Q
	Cutting Operation		2013-084Q
	Drilling or Punching Operation		2013-084Q
	Grinding Operation		2013-084Q
RG-ST 15	R. G. Steel Corporation, P. O. Box 356, Route 551, Pulaski, PA 16143 <a href="http://rgsteel.com/">http://rgsteel.com/</a>		
	Bending Operation		2008-002Q
	Cutting Operation		2008-002Q
	Drilling or Punching Operation		2008-002Q
	Grinding Operation		2008-002Q
RICMT 15	Richard's Machine Tool Company, Inc., 3753 Walden Ave., Lancaster, NY 14086 <a href="http://richardscnc.com/">http://richardscnc.com/</a>		
	Bending Operation		2000-312Q
	Cutting Operation		2000-312Q
	Drilling or Punching Operation		2000-312Q
	Grinding Operation		2000-312Q



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Product	Name	Ref. No.
<b>RP-MA 15</b>	<b>RP's Machinery Sales, Inc., 175 Old US Hwy. 220, R. D. #4, P. O. Box 507, Jersey Shore, PA 17740</b>	
Bending Operation		----
Cutting Operation		----
Drilling or Punching Operation		----
Grinding Operation		----
<b>RYEJT 15</b>	<b>Joseph T. Ryerson &amp; Son, Inc., 3915 Walden Ave., Lancaster, NY 14086</b>	
Cutting Operation		2000-233Q
Drilling or Punching Operation		2000-233Q
<b>RYEST 15</b>	<b>Ryerson Steel, 43 Century Drive, Ambridge, PA 15003 <a href="http://www.ryerson.com/">http://www.ryerson.com/</a></b>	
Cutting Operation		----
Drilling or Punching Operation		----
<b>RYEST215 Facility</b>	<b>Ryerson Steel, 555 North Yearling Road, Columbus, OH 43213 <a href="http://www.ryerson.com/">http://www.ryerson.com/</a> 555 North Yearling Road Columbus, OH 43213 <i>Grinding, Drilling or Punching and Cutting Operations</i></b>	
Cutting Operation		2015-052
Drilling or Punching Operation		2015-052
Grinding Operation		2015-052
<b>SABAL 15</b>	<b>Sabre Alloys, 6039 Thomas Road, Building B, Houston, TX 77041 <a href="http://www.sabrealloys.com/index.htm">http://www.sabrealloys.com/index.htm</a></b>	
Bending Operation		2012-117Q
Cutting Operation		2012-117Q
Drilling or Punching Operation		2012-117Q
Grinding Operation		2012-117Q



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	Product	Name	Ref. No.
SALFL 15	Salescorp of Florida, Inc., 3402C N.E. 37th Place, Wildwood, FL 34785 <a href="http://salescorpusa.com/">http://salescorpusa.com/</a>		
	Fabrication of bearing and beveled plates only		2011-204Q
	Fabrication of JJ-Hook connector plate assembly only		2011-204Q
SAMPS 15	Samuel Plate Sales, 250 Lake Ave., Blasdell, NY 14219		
	Cutting Operation		2000-318Q
	Drilling or Punching Operation		2000-318Q
SCHMC 15	Scheirer Machine Company, Inc., 3200 Industrial Blvd., Bethel Park, PA 15120-0670 <a href="http://scheirer.com/">http://scheirer.com/</a>		
	Bending Operation		2000-192Q
	Cutting Operation		2000-192Q
	Drilling or Punching Operation		2000-192Q
	Grinding Operation		2000-192Q
SCHMI 15	Schaefer Machine, Inc., 727 Robinson Hwy, Route 980, McDonald, PA 15071 <a href="http://www.schaeferco.com/">http://www.schaeferco.com/</a>		
	Bending Operation		2000-154Q
	Cutting Operation		2000-154Q
	Drilling or Punching Operation		2000-154Q
	Grinding Operation		2000-154Q
SEISM 15	Seismic Energy Products, 518 Progress Way, Athens, TX 75751 <a href="http://www.sepbearings.com/">http://www.sepbearings.com/</a>		
	Bending Operation		2010-198Q
	Cutting Operation		2010-198Q
	Drilling or Punching Operation		2010-198Q
	Grinding Operation		2010-198Q
SPESS 15	Specialty Steel Supply Company, Inc., 225 Lincoln Hwy, Fairless Hills, PA 19030 <a href="http://www.specialtysteelsupply.com/index.php">http://www.specialtysteelsupply.com/index.php</a>		
	Cutting Operation		2009-158Q
	Drilling or Punching Operation		2009-158Q



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	Product	Name	Ref. No.
STAMS 15	Stark Metal Sales, Inc., 432 E. Keystone St., Alliance, OH 44601 <a href="http://www.starkmetal.com/">http://www.starkmetal.com/</a>		
	Bending Operation		2011-126Q
	Cutting Operation		2011-126Q
	Drilling or Punching Operation		2011-126Q
	Grinding Operation		2011-126Q
STESE 15	Steel Services, Inc., 835 Boundary St., Salisbury, MD 21801 <a href="http://www.steelservicesinc.com/">http://www.steelservicesinc.com/</a>		
	Cutting Operation		----
STESH 15	Steel Shearing, Inc., 5300 Lakeside Ave East Suite 2, Cleveland, OH 44114		
	Cutting Operation		2003-104Q
	Drilling or Punching Operation		2003-104Q
STEWK 15	Steelworks, Inc., P.O. Box 390, 2335 Toledo Ave., Trenton, MI 48183		
	Bending Operation		2001-071Q
	Cutting Operation		2001-071Q
	Drilling or Punching Operation		2001-071Q
	Grinding Operation		2001-071Q
STRMS 15	Struthers Metal Service, Inc., 2800 Intertech Drive, Youngstown, OH 44509 <a href="http://struthersmetalserviceinc.com/">http://struthersmetalserviceinc.com/</a>		
	Cutting Operation		2014-242Q
SUMSM 15	Summit Steel & Manufacturing Company, 1005 Patriot Parkway, Reading, PA 19605 <a href="http://summitsteelinc.com/">http://summitsteelinc.com/</a>		
	Fabrication of JJ-Hook connector plate assembly only		2011-049Q
TBRSA 15	T. Bruce Sales, R. 18 & Carbaugh Street, West Middlesex, PA 16159 <a href="http://tbrucesales.com/tbrucesales_3_010.htm">http://tbrucesales.com/tbrucesales_3_010.htm</a>		
	Bending Operation		----
	Cutting Operation		----



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	Product	Name	Ref. No.
TEKT1 15 Facility	Tektonics Design Group, LLC, 702 East 4th Street, Richmond, VA 23224		
	702 East 4th Street Richmond, VA 23224		
	Cutting Operation		2015-114Q
	Drilling or Punching Operation		2015-114Q
	Grinding Operation		2015-114Q
THOMC 15	Thompson Machine, 1128 N. Fourth Ave., Altoona, PA 16601 <a href="http://www.thompsonmachine.net/">http://www.thompsonmachine.net/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
TIMMA 15	Time Machine, Inc., 1746 Pittsburgh Road, Polk, PA 16432 <a href="http://www.timemachinepa.com/">http://www.timemachinepa.com/</a>		
	Bending Operation		2000-329Q
	Cutting Operation		2000-329Q
	Drilling or Punching Operation		2000-329Q
	Grinding Operation		2000-329Q
TOLSS 15	Toledo Steel Supply, Inc., 222 LaVoy Road, Erie, MI 48133 <a href="http://toledosteel.net/">http://toledosteel.net/</a>		
	Cutting Operation		2014-131Q
	Grinding Operation		2014-131Q
TRIM1 15	Metal Traders, Inc. DBA Triad Metals International, 1951 Bessemer Rd., Petersburg, VA 23805 <a href="http://metaltrader.com/">http://metaltrader.com/</a>		
	Cutting Operation		2009-062Q
TRIM2 15	Metal Traders, Inc. DBA Triad Metals International, 3480 Grand Avenue, Pittsburgh, PA 15225-1508 <a href="http://metaltrader.com/">http://metaltrader.com/</a>		
	Cutting Operation		----



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	Product	Name	Ref. No.
TRIN1 15	Trinity Highway Products, LLC, 1170 North State Street, Girard, OH 44420 <a href="http://www.highwayguardrail.com/">http://www.highwayguardrail.com/</a>		
	Bending Operation		2008-107Q
	Cutting Operation		2008-107Q
	Drilling or Punching Operation		2008-107Q
	Grinding Operation		2008-107Q
TRISB 15	Tristate Bolt Company, 1110 Fuller Drive, Garrett, IN 46738 <a href="http://www.tristateboltinc.com/">http://www.tristateboltinc.com/</a>		
	Bending Operation		2012-249Q
	Cutting Operation		2012-249Q
	Drilling or Punching Operation		2012-249Q
	Grinding Operation		2012-249Q
UNIIS 15	Universal Industrial Sales, 435 North 1200 West, Lindon, UT 84042 <a href="http://www.uisutah.com/uis2011/">http://www.uisutah.com/uis2011/</a>		
	Bending Operation		2011-063Q
	Cutting Operation		2011-063Q
	Drilling or Punching Operation		2011-063Q
	Grinding Operation		2011-063Q
VAL-2 15	Valmont Specialty Structures/Plymouth, 1545 Pidco Drive, Plymouth, IN 46563 <a href="http://www.valmont.com/">http://www.valmont.com/</a>		
	Bending Operation		2008-197Q
	Cutting Operation		2008-197Q
	Drilling or Punching Operation		2008-197Q
	Grinding Operation		2008-197Q



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	Product	Name	Ref. No.
VERIN 15	Vertech International, Inc., 420 Station Road, Quakertown, PA 18951 <a href="http://www.vertechinternational.com/">http://www.vertechinternational.com/</a>		
	Bending Operation		2011-248Q
	Cutting Operation		2011-248Q
	Drilling or Punching Operation		2011-248Q
	Grinding Operation		2011-248Q
VICFC 15	Vicon Fabricating Company, 7200 Justin Way, Mentor, OH 44060 <a href="http://viconfab.com/">http://viconfab.com/</a>		
	Bending Operation		2009-008Q
	Cutting Operation		2009-008Q
	Drilling or Punching Operation		2009-008Q
	Grinding Operation		2009-008Q
VOSMA 15	Voss Manufacturing, Inc., 2345 Lockport Road, Sanborn, NY 14132 <a href="http://vossmfg.com/">http://vossmfg.com/</a>		
	Bending Operation		----
	Cutting Operation		----
	Drilling or Punching Operation		----
	Grinding Operation		----
WALLO 15	Walter Long Manufacturing Company, Inc., 86 Walter Long Road, Finleyville, PA 15332 <a href="http://www.walterlongmanufacturing.com/index.html">http://www.walterlongmanufacturing.com/index.html</a>		
	Bending Operation		2003-010Q
	Cutting Operation		2003-010Q
	Drilling or Punching Operation		2003-010Q
	Grinding Operation		2003-010Q
WATSP 15	Watson Steel Products, Inc., 264 Mystic Ave., Buffalo, NY 14206 <a href="http://www.watsonsteelproducts.com/">http://www.watsonsteelproducts.com/</a>		
	Cutting Operation		2006-004Q
	Drilling or Punching Operation		2006-004Q



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	Product	Name	Ref. No.
WECAL 15	Wecall, Inc., 64 Penniman Road, Orwell, OH 44076 <a href="http://www.wecallinc.com/">http://www.wecallinc.com/</a>		
	Cutting Operation		2011-154Q
	Drilling or Punching Operation		2011-154Q
	Grinding Operation		2011-154Q
WHIFB 15	White Fabrication, Inc., 724 Avenue W, Birmingham, AL 35214 <a href="http://whitefab.com/">http://whitefab.com/</a>		
	Cutting Operation		----
	Drilling or Punching Operation		----
WILMI 15	Willbanks Metals, Inc., 1155 N. E. 28th Street, Fort Worth, TX 76106 <a href="http://www.willbanksmetals.com/">http://www.willbanksmetals.com/</a>		
	Bending Operation		2014-170Q
	Cutting Operation		2014-170Q
	Press Brake (Tubular)		2014-170Q
WINME 15	Winchester Metals, Inc., 195 Ebert Road, Winchester, VA 22603 <a href="http://winchestermetals.com/">http://winchestermetals.com/</a>		
	Fabrication of JJ-Hook connector plate assembly only		2010-309Q
	Fabrication of JJ-Hook connector plate assembly with attached welded reinforcement, including Deflection Limiter and Bolt Down Bar		2015-054Q
YOU-1 15	Youngstown Pipe & Supply, Inc., 4100 Lake Park Road, Youngstown, OH 44513 <a href="http://yopipe.com/">http://yopipe.com/</a>		
	Cutting Operation		2002-114Q
	Drilling or Punching Operation		2002-114Q
YOU-2 15	Youngstown Pipe & Supply, Inc., 45 Montgomery Ave., P.O. Box 3467, Youngstown, OH 44506 <a href="http://yopipe.com/">http://yopipe.com/</a>		
	Cutting Operation		2012-111Q
	Drilling or Punching Operation		2012-111Q
	Grinding Operation		2012-111Q