



Wisconsin Department of Transportation

APPROVED LISTS (Pre-Qualified Product Lists)

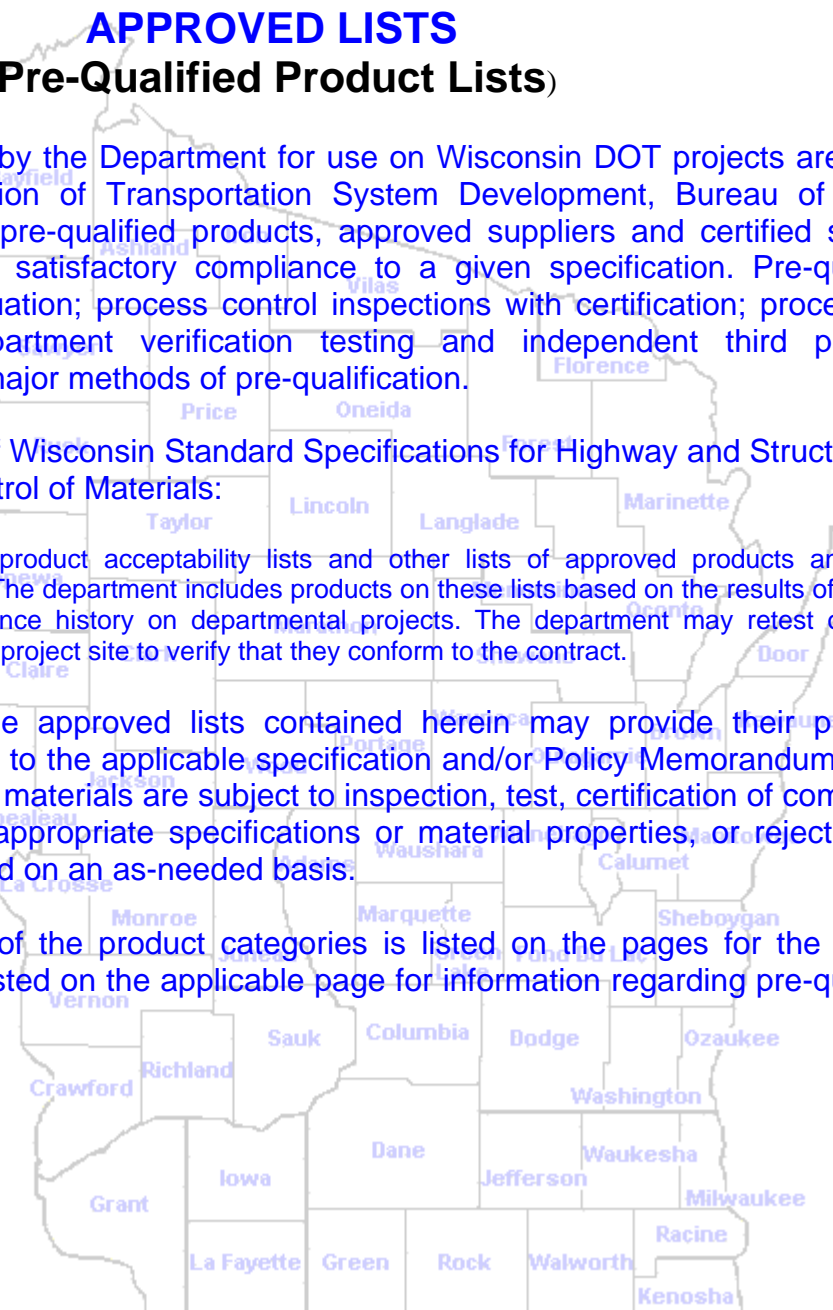
Lists of products pre-qualified by the Department for use on Wisconsin DOT projects are compiled and maintained by the Division of Transportation System Development, Bureau of Technical Services. These lists include pre-qualified products, approved suppliers and certified sources of specific materials that exhibit satisfactory compliance to a given specification. Pre-qualification testing, inspections, and evaluation; process control inspections with certification; process control inspection with random department verification testing and independent third party plant certifications are some of the major methods of pre-qualification.

In accordance with the State of Wisconsin Standard Specifications for Highway and Structure Construction, Section 106 Control of Materials:

The department maintains product acceptability lists and other lists of approved products and approved manufacturers or suppliers. The department includes products on these lists based on the results of prior testing and a satisfactory performance history on departmental projects. The department may retest or re-inspect products after delivery to the project site to verify that they conform to the contract.

The companies shown on the approved lists contained herein may provide their products to Department projects according to the applicable specification and/or Policy Memorandum. Although approved for use, any of these materials are subject to inspection, test, certification of compliance or certified report of test to the appropriate specifications or material properties, or rejection at any time. These lists will be updated on an as-needed basis.

Contact information for each of the product categories is listed on the pages for the respective material. Contact the person listed on the applicable page for information regarding pre-qualification for specific materials.





Year 2009

QUALIFIED PRODUCT LISTS , CERTIFIED SUPPLIERS AND SOURCES FOR USE ON WISDOT HIGHWAY PROJECTS



1/26/2010

AASHTO-M194, Type A Water Reducers
Air Entraining Admixtures
Approved Fabricators, Bridge Metal Secondary Items
Asphalt Cement - Certified Suppliers
Link Beam Guard- Prequalified Inventories
Bicycle Racks Asphalt or Concrete Mounted
Block and Brick
Castings, Gray Iron
Concrete Admixtures
Concrete Masonry Anchors, Type L
Link Concrete Pipe Products
Concrete Protective Surface Treatment
Corrugated Metal Pipe Products
Corrugated Polyethylene Culvert Pipe
Corrugated Polyethylene Drainage Pipe
Crash Attenuator - Sand Barrel Systems
Crash Cushions
Curb Ramp Detectable Warning Field
Cure and Seal Compounds for Non-Trafficked Surfaces on Structural Masonry
Link Curing Compound- White Membrane- Tested and approved lots
Link Electrical - Qualified Products List
Energy Absorbing Terminals for Beam Guard
Epoxy Coatings for Bar Steel Reinforcement
Epoxy Pavement Marking Material, Qualified products
Link Erosion Control Product Acceptability List
Flexible Delineator Posts - Permanent
Flexible Tubular Markers - Surface Mounted
Link Glass Beads - Summary of Tested and Approved batches

Low Viscosity Crack Sealers for Bridge Decks
M194 Type D Water Reducers
Manhole, Inlet, Catch Basin Adjustment Products
Link Noise Barrier Systems
Non-Shrink Commercial Grout
Overhead Sign Support Mounting Brackets
Link Paint Systems- New Structural Steel
Link Paint Systems - Structure Maintenance Painting
Pavement Marking Grooved Wet Reflective Tape
Link Pavement Marking Materials, Permanent- Qualified Products List
Pile Points
Link Pipe and Precast Products
Pipe Liners, Culvert- Manning Coeff. Certification
Portland Cement Manufacturers- Certified Suppliers
Precast Catch Basins, Inlets and Manholes
Prefabricated Steel Truss Pedestrian Bridges
Preformed Thermoplastic Marking Material
Prestressed Concrete Members
Rapid Set Concrete Patch
Release Agents, Asphaltic Mixtures
Plastic Guardrail Blockouts
Rubberized Membrane Waterproofing
Link Solventborne Paints
Temporary Pavement Marking, Removable Tape
Temporary Raised Pavement Markers
Link Wall Systems
Link Waterborne Paints

APPROVED FABRICATORS, BRIDGE METAL SECONDARY FABRICATION ITEMS

Date last edited: 3/13/2009

Approved Fabricator	Location
Commercial Fabricators	Bridgeview, IL
D.S. Brown(Lewis Engineering Division)	Chaska, MN
ESPO Engineering	845 Midway Dr. Willowbrook , IL 60527 630-789-2525
PACAL, LLC (Paper Calumensen)	St. Paul, MN
Judy's Welding ⁽¹⁾	Cottage Grove, WI
Viking Steel Inc.	Oshkosh, WI
Wheeler Lumber, LLC	9330 James Avenue South Bloomington, MN 55431 800-328-3986 www.wheeler-con.com

(1) Formerly RDLW Landscaping, LLC

The engineer may accept secondary fabrication items at the job site for shipments that include a loading document(or shipping invoice), fabricator certification statement and a satisfactory visual inspection.

Secondary fabrication items are defined as:

Rail Posts	Expansion Devices
Sleeves	Curb and sidewalk cover plates
Shims	Floor drains
Rail panels	Guard rail anchors
Anchor Bolts	Sheet Lead
Protection Angles	Elastomeric pads
Structural Fasteners	Bearing assemblies(steel)
	Structural steel diaphragms

Contact:

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APPROVED CONCRETE ADMIXTURES		Important! Type A and Type D admixtures may not be compatible only use in combination in the same batch if the manufacturer allows.	
Date: 8/31/2009			
Manufacturer	Air-Entraining Admixtures (AASHTO M154)	Water Reducers (AASHTO M194 - Type A)	Water Reducing Set Retarders (AASHTO M194 - Type D)
Ashland, Inc. ⁽¹⁾ P.O. Drawer 1517 Brunswick, GA 31521-1517 Ph: 912-265-3550 http://www.ashland.com/	Vinsol NVX		
(1) Formerly Aqualon			
Axim Italicementi Group 8282 Middle Branch Road Middlebranch, Ohio 44652-0234 Ph: 330-966-0444 www.aximconcrete.com	Catexol AE 260 Catexol AE 360 Catexol VR	Catexol 800N Catexol 2000 Ni Catexol 3000 GP Catexol Hydrosense DURAFLUX 66	Catexol 1000R Catexol 800N
BASF Admixtures, Inc. ⁽²⁾ 223700 Chagrin Blvd. Cleveland, OH, 44122 Ph: 800-628-9990 www.basf-admixtures.com	MB VR Standard Micro Air MB AE 90 Everair Plus	Masterpave Polyheed 997 Polyheed 1020 Polyheed 1725 Polyheed FC100	Pozzolith 100 XR Delvo Stabilizer
(2) formerly Degussa Admixtures Inc. (formerly Master Builders)			
CHRYSO, Inc. 10600 HWY 62, Unit #7 Charlestown, IN 471110-0459 www.chryso-online.com		CHRYSO Fluid Premia 180 CHRYSO Fluid Optima 203 CHRYSO Plast 500	
Euclid Chemical Company 19218 Redwood Road Cleveland, OH 44110-2799 Ph: 800-321-7628 www.euclidchemical.com	AEA-92-S Air Mix 200 Air Mix 250 AEA-92	Eucon MR Eucon WR Eucon WR-91 Plastol 3415 Eucon MRX	Eucon WR Eucon WR-91 Eucon Retarder 100
Fritz-Pak Corporation 112220 Grader St., Suite 600 Dallas, TX 75238 Ph: 888-746-4116 www.fritzpak.com	Air Plus Super Air Plus		FR-1
General Resource Technology 2987 Center Court Eagan MN 55121 800-324-8154 www.grtinc.com	Polychem AE Polychem VR Polychem SA	Polychem 1000 Polychem KB1000 Polychem 400NC Genesis 112 Polychem Paver Plus	Polychem R
Premier Concrete Admixtures 508 Cedar St. P.O. Box 277 Pioneer, OH 43554 Ph: 800-503-3418 www.premiereadmix.com	ConAir ConAir 260	OptiFlo 50 OptiFlo 500 OptiFlow MR OptiFlow Plus EcoFlo Green	OptiFlo 100 R OptiFlo 500 OptiFlo RENU
Pro Mix Technologies P.O. Box 6 Allen, TX 75013 972-772-6010 www.promixtech.com	Pro Air 260 Pro Air - TX	Enviromix 159 Enviromix N Plastimix MRP Plastimix 250 Plastimix 720	Plastimix 100R
Russtech, Inc 11208 Decimal Drive Louisville KY 40299 Ph: 502-267-7700 www.RussTechnet.com	RSA-10 RVR-15	LC-400 LC-400P FinishEase-NC	LC-400R
Sika Corporation 201 Polito Avenue LyndenHurst, NJ 07071 Ph: 201-933-6800 www.sikausa.com	Sika Multi-Air AEA-15 Sika AIR AEA-14	Sikament 686 Plastocrete 169 Plastocrete 161 Sikaplast 500	Plastiment
W R Grace and Company 62 Whittemore Avenue Cambridge MA Ph: 617-498-4555 www.grace.com	Darex II AEA Daravair 1000 Daravair M Daravair 1400	Daracem 65 Daracem 50 WRDA 82 MIRA 62	WRDA with HYCOL Daratard 17

Contact:
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ASPHALT CEMENT - CERTIFIED SUPPLIERS

Date last edited: 3/13/2009

Supplier	Shipping Location
Barton Enterprises	Newport, MN
Bituminous Materials & Supply	Des Moines, IA
Bituminous Materials & Supply	Tama, IA
Border Chemical CO LTD	Winnipeg, MB
BP-Asphalt Operating Systems, LLC	Bartlett, IL
BP- Jacobus Petroleum	Milwaukee, WI
BP- Bituminous Material Products	South Bend, IN
BP Products North America	Whiting, IN
CHS	Hardin, MT
CHS	Laurel, MT
CHS	Mandan, ND
CHS	Grand Forks, ND
Conoco-Phillips Company	Forestview, IL
Conoco-Phillips Company	Kansas City, MO
Conoco-Phillips Company	Roxanna, IL
Const. Resources Mgmt., Inc	Gladstone, MI
Const. Resources Mgmt., Inc	Green Bay, WI
Const. Resources Mgmt., Inc	Milwaukee, WI
Const. Resources Mgmt., Inc	Waukesha, WI
Exxon Mobil	Billings, MT
Flint Hills Resources LP	Algona, IA
Flint Hills Resources LP	Davenport, IA
Flint Hills Resources LP	Dubuque, IA
Flint Hills Resources LP	Green Bay, WI
Flint Hills Resources LP	Marshall, MN
Flint Hills Resources LP	Omaha, NE
Flint Hills Resources LP	Omaha, NE (II)
Flint Hills Resources LP	Rosemount, MN
Flint Hills Resources LP	Savage, MN
Flint Hills Resources LP	Stevens Point, WI

Supplier	Shipping Location
Flint Hills Resources LP	West Fargo, ND
Frontier Refining Co.	Cheyenne, WY
Henry G. Meigs	Abbotsford, WI
Henry G. Meigs	Portage, WI
Husky Energy	Calgary, Alberta
Husky Oil	Saskatoon, Sask
Jebro, Inc.	Corson, SD
Jebro, Inc.	Sioux City, IA
Marathon Ashland Pet. LLC	St Paul Park, MN
Marathon Ashland Pet. LLC	Utica, IL
McAsphalt Ind. LTD	Thunder Bay, Ontario
McAsphalt Ind. LTD	Winnipeg, Manitoba
Midwest Industrial Fuels	Rochester, MN
Midwest Industrial Fuels	Lacrosse, WI
Monarch Oil	Omaha, NE
Moose Jaw Asphalt, Inc.	Moose Jaw, Sask
Murphy Oil USA, Inc.	Rhineland, WI
Murphy Oil USA, Inc.	Superior, WI
Murphy Oil USA, Inc.	Crookston, MN
Peoria River Terminal	Peoria, IL
Peoria River Terminal- Ameropan	Chicago, IL
Peoria River Terminal-Bell Oil	Chicago, IL
Pioneer Oil CO.	Billings, MT
Pounders Emulsions	Yorkton, Sask
Seneca Petroleum Company	Lemont, IL
Seneca Petroleum Company	Portage, IN
Sinclair Oil Corporation	Casper, WY
Westway Terminal Company, Inc.	St.Paul, MN

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Bicycle Rack Asphalt or Concrete Mounted

Date last edited: 9/30/2009

Hanger Style Racks

Bicycle Racks Loaded from One Side		
<i>Manufacturer</i>	<i>Model</i>	<i>Capacity of Rack</i>
Dero Bike Rack Co. 2657 32nd Avenue S. Minneapolis, MN 55406 (800) 891-9298 www.dero.com	Dero Campus Rack Model S3	3 bikes
	Dero Campus Rack Model S4	4 bikes
	Dero Campus Rack Model S5	5 bikes
	Dero Campus Rack Model S6	6 bikes
Saris Cycling Group 5253 Verona Road Madison, WI 53711 (608) 274-6550 (800) 783-7257 www.saris.com	City Rack 2403 or 2403C	3 bikes
	City Rack 2406 or 2406C	4 bikes
	City Rack 2409 or 2409C	5 bikes
	City Rack 2412 or 2412C	6 bikes
Thomas Steele, Inc 1080 Uniek Drive Waunakee, WI 53597 (608) 849-1080 (800) 448-7931 www.madrax.com	Madrax Sparten Model SPR-SNG-3-FS-G	3 bikes
	Madrax Sparten Model SPR-SNG-4-FS-G	4 bikes
	Madrax Sparten Model SPR-SNG-5-FS-G	5 bikes
	Madrax Sparten Model SPR-SNG-6-FS-G	6 bikes
Bicycle Racks Loaded from Both Sides		
<i>Manufacturer</i>	<i>Model</i>	<i>Capacity of Rack</i>
Dero Bike Rack Co. 2657 32nd Avenue S. Minneapolis, MN 55406 (800) 891-9298 www.dero.com	Dero Campus Rack Model D5	5 bikes
	Dero Campus Rack Model D7	7 bikes
	Dero Campus Rack Model D9	9 bikes
Saris Cycling Group 5253 Verona Road Madison, WI 53711 (608) 274-6550 (800) 783-7257 www.saris.com	City Rack 2433 or 2433C	5 bikes
	City Rack 2436 or 2436C	7 bikes
	City Rack 2439 or 2439C	9 bikes
Thomas Steele, Inc 1080 Uniek Drive Waunakee, WI 53597 (608) 849-1080 (800) 448-7931 www.madrax.com	Madrax Sparten Model SPR-DBL-5-FS-G	5 bikes
	Madrax Sparten Model SPR-DBL-7-FS-G	7 bikes
	Madrax Sparten Model SPR-DBL-9-FS-G	9 bikes

Inverted -U Style Racks

<i>Manufacturer</i>	<i>Model</i>	<i>Capacity of Rack</i>
Dero Bike Rack Co. 2657 32nd Avenue S. Minneapolis, MN 55406 (800) 891-9298 www.dero.com	Dero 3 Hoop HD Rail Mounted	All U Racks shall have a capacity of up to six bikes
Saris Cycling Group 5253 Verona Road Madison, WI 53711 (608) 274-6550 (800) 783-7257 www.saris.com	Saris Stadium Rack 2136	All U Racks shall have a capacity of up to six bikes
Thomas Steele, Inc 1080 Uniek Drive Waunakee, WI 53597 (608) 849-1080 (800) 448-7931 www.madrax.com	Madrax U-Rack on Rails UX238-LB-6	All U Racks shall have a capacity of up to six bikes

Important note: All iron and steel products supplied must be in compliance with "Buy America" provisions. Certification documentation is required and shall state the iron and steel used in the product was:

- Melted and manufactured in the US
- Was coated , galvanized, or painted in the US
- All fabrication, such as rolling, bending, drilling, machining, extruding etc. was done in the US

Contact:
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BRICK and BLOCK

Date last edited: 9/4/2009

<u>Company</u>	<u>Location</u>	<u>Color Marking</u>	<u>Expiration Date</u>
County Materials Corp ⁽¹⁾ Distributors	Marathon City, WI	Heritage red ⁽²⁾ brick only- block is gray or pink	8/1/2010
County Materials Corp ⁽¹⁾	Wausau, WI	Heritage red ⁽²⁾ brick only- block is gray	8/1/2010
County Materials	Madison, WI	Heritage red ⁽²⁾ brick only- block is gray	8/1/2010
County Materials	Stevens Point, WI	Heritage red ⁽²⁾ brick only- block is gray	8/1/2010
County Materials	Waukesha, WI	Heritage red ⁽²⁾ brick only- block is gray	8/1/2010

(1) Formerly Wausau Concrete and Supply

(2) Catch Basin and Manhole Barrel Block - identifiable by a scribe mark on one end; DOT Solid Block , 4-inch and 8-inch identifiable by a scribe mark on one end; DOT Concrete Brick - Heritage Red color and raised bars

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CASTINGS, GRAY IRON

Date last edited: 1/31/2009

<u>Approved Manufacturer</u>	<u>Location</u>
Neenah Foundry	Neenah, WI
East Jordan Iron Works, Inc.	East Jordan, MI

For all other manufacturers not on the approved list a certification of compliance shall be provided to the engineer by the contractor.

Contact:

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Concrete Masonry Anchors, Type L

Date last edited: 12/4/2009

Product Name	Manufacturer	Supplied by:
Acrylic -Tie ⁽⁶⁾	Simpson Strong-Tie Company, Inc. 2600 International Street Columbus , OH 43228 800-999-5099, ext. 4130 www.simpsonanchors.com/	Simpson Strong-Tie Company, Inc. Contact: Bill Paar 800-999-5099 bpaar@strongtie.com
AC100 +Gold ⁽⁴⁾	Powers Fasteners, Inc. 2 Powers Lane Brewster, NY 10509 914-235-6300 www.powers.com	Powers Fasteners, Inc. 12020 W. Feerick Street Milwaukee, WI 53222 Contact: Donn Raduenz 414-466-2400 raduenz@powers.com
Epon Acrylic A7 ⁽⁵⁾	ITW Red Head 2171 Executive Drive Suite 100 Addison, IL 60101 www.itw-redhead.com 800-899-7890	Jensen Equipment Company, Inc. N27 W23015 Roundy Drive Pewaukee, WI 53072 262-547-5548 Jensen Equipment Company, Inc. 4125 Terminal Drive #110 McFarland, WI 53558 608-838-7090 Contact: Jeff Jensen 414-397-9687 (Jeff Jensen Direct) jeffi@jensenequipment.com
LOKSET Resin cartridge anchors ⁽¹⁾ Anchortite	Minova USA Georgetown , Kentucky	DYWIDAG SYSTEMS Contact: Terence Lee phone: 630-972-4036
HY-150 MAX ⁽³⁾	Hilti Inc 5400 S 122nd Avenue Tulsa, OK 74121 800-879-8000 http://www.us.hilti.com/	
Pro-Poxy 400 ⁽²⁾	Unitex Chemicals 3101 Gardener Avenue Kansas City, MO 64120 800-821-5846 www.unitex-chemicals.com	Farrell Equipment Contact: John Saxe phone 715-835-4334

NOTE: (1) LOKSET and FASLOK have a shelf life of one year or less. Refer to the date on the containers
(2) Pro-Poxy 400 has a one year shelf life when stored in unopened containers at temperatures between 40 and 100 degrees F. Refer to the date on containers.
(3) The shelf life of HY-150 Max is nine months when stored at temperatures between 40 to 77 degrees F
(4) The shelf life of AC100+Gold is indicated by an expiration date and applies to an unopened cartridge stored in a dry, dark and cool environment between 32 to 86 degrees.
(5) Epon Acrylic A7 has an 18 month shelf life when stored in unopened containers between -40 degrees F and 80 degrees F. It may be stored for a shorter time at temperatures up to 120 degrees F. Refer to the date on containers.
(6) Acrylic -Tie has a one year shelf life when stored in unopened containers between 32 degrees F and 80 degrees F.

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Concrete Protective Surface Treatment

Date last edited: 1/31/2009

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Chemtrete BSM 40 VOC	Degussa Aerosil and Silanes 379 Interpace Parkway Parsippany NJ 07054-0677	12/1/2006
Penseal 244 40%	Vexcon Chemical	** Pre-1999
Hydrozo Enviroseal 40	ChemRex, Inc.	** Pre-1999
Hydrozo Silane 40 VOC	ChemRex, Inc.	3/16/2001
Masterseal SL40 VOC	ChemRex, Inc.	12/30/2002
Aquanil Plus 40	Chemmasters	3/16/2001
Baracade Silane 40 ⁽¹⁾	The Euclid Chemical Company ⁽¹⁾ 19218 Redwood Road Cleveland, Ohio 441100 800-321-7628 http://www.euclidchemical.com/	4/18/2003
TK-590-1 MS	TK Products	4/26/2007
Powerseal 40%	Vexcon Chemical	**Pre-1999
Silane Sealer Plus	Universal Form Clamp Co 840 S 25th Ave Bellwood IL 60104	12/1/2006
Sonneborn Penetrating Sealer 40 VOC	ChemRex, Inc.	12/30/2002

** Approval date will be recorded when new products are added to the existing list.

(1) Formerly Tamms Industries

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Corrugated Metal Pipe Products

Date last edited: 9/1/2009

<u>Company</u>	<u>Location</u>	<u>Expiration Date</u>
Contech Construction Products, Inc.	Portage, WI	6/1/2010
Illowa Culvert Supply	Low Moor, IA	6/1/2010
* Johnston Fargo Culvert, Inc.	Blaine, MN	8/3/2010
Metal Culverts, Inc.	Evansville, WI	6/1/2010
County Materials Corporation	Wausau, WI	8/22/2010
Jensen Bridge and Supply Company ⁽¹⁾	Sandusky, MI	6/24/2010

* Formerly H.V. Johnston Culvert Company-yard in Blaine- mailing address is St.Paul

(1) Contact the WisDOT BTS Quality Assurance unit, Joe White (608) 246-5391 prior to installing pipe from this source

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Corrugated Polyethylene Culvert Pipe

Date: 8/12/2009

<u>Manufacturer</u>	<u>Plant location</u>	<u>Approved Pipe Sizes</u>	<u>Date Approved</u>	<u>Supplier</u>
Advanced Drainage Systems(ADS) ⁽¹⁾	Fairmont, MN	12-inch- Type S	8/12/2009	
		15-inch- Type S	8/12/2009	
		18-inch- Type S	8/12/2009	
		24-inch- Type S	8/12/2009	

(1) Accepted on the basis of compliance to the National Transportation Product Evaluation Program(NTPEP)

Follow the Construction and Materials Manual procedures(section 8.50) for acceptance of a pipe. Once a sample of a given pipe size from a manufacturer plant is tested and passes, the manufacturer plant and approved pipe size will appear on the list.



If the pipe manufacturer plant and size is on the above list and the pipe is stamped "AASHTO M294" and shows no apparent damage , the pipe may be incorporated into the work with a certification of compliance identifying manufacturer, plant , type, size and compliance to AASHTO M 294

Pipe not properly marked AASHTO M 294 shall be rejected

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Corrugated Polyethylene Drainage Pipe

Date last edited: 8/10/2009

<u>Manufacturer</u>	<u>Approved Pipe Sizes</u>	<u>Date Approved</u>
Wisconsin Tubing, Omro, WI	6-inch	6/1/2009
	6-inch slotted	6/1/2009
	8-inch slotted	6/1/2009
	12-inch	6/1/2009
	12-inch slotted	6/1/2009
	4-inch	8/10/2009
ADS, Duluth, MN	6-inch slotted	8/10/2009
ADS, Hillard, OH	6-inch	6/1/2009
ADS, Mendota, IL	6-inch	8/10/2009

Follow the Construction and Materials Manual procedures(8.50) for acceptance of pipe not on the approved list . Once a sample of a given pipe size from a manufacturer plant is tested at the C.O. Lab and passes, the manufacturer producer plant and approved pipe size will appear on the list.

If the pipe manufacturer plant and size is on the above list and the pipe is stamped "AASHTO M252" and shows no apparent damage , the pipe may be incorporated into the work.

Pipe not properly marked shall be rejected

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Crash Attenuator - Sand Barrel Systems

Date last edited: 10/1/2009

IMPORTANT NOTE TO DESIGNERS!

Users of this list shall reference the manufacturers literature and design data on applicability of use of these systems when developing roadway designs using crash cushion and sand barrel systems. Please refer to 11-45-1 of the department's Facilities Development Manual and Chapter 8 of AASHTO's Roadside Design Guide for further guidance.

<u>Product Name</u>	<u>Manufacturer</u>
CrashGard Sand Barrel System	Plastic Safety Systems., Inc.
Energite III	Energy Absorption, Inc.
Fitch	Roadway Safety Service
Traffix Sand Barrel System	Traffic Devices, Inc.

Contact:

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CRASH CUSHIONS

Date last edited: 1/31/2009

IMPORTANT NOTE TO DESIGNERS!
 Users of this list shall reference the manufacturers literature and design data on applicability of use of these systems when developing roadway designs using crash cushion and sand barrel systems. Please refer to 11-45-1 of the department's Facilities Development Manual and Chapter 8 of AASHTO's Roadside Design Guide for further guidance

<u>Product Name</u>	<u>Manufacturer</u>	
QuadGuard QuadGuard Crash Cushion System QuadGuard CZ Crash Cushion System QuadGuard Elite Crash Cushion System QuadGuard LMC Crash Cushion System	Enegrgy Absorption Systems, Inc. One East Wacker Drive Chicago, IL 60601 www.energyabsorption.com	
REACT - 350	Enegrgy Absorption Systems, Inc. One East Wacker Drive Chicago, IL 60601 www.energyabsorption.com	Traffic Signal Company of Wisconsin 6318 West State Street Wauwatosa, WI 53213
Smart Cushion Innovations- SCI-100GM Smart Cushion Innovations- SCI-70GM	SCI Products 635 Lucknow Drive Harrisburg, PA 17110	Work Area Protection Corp. 2500 Production Drive St. Charles , IL 60714 www.workareaprotection.com
TAU II	Barrier Systems, Inc. 180 River Road Rio Vista, CA 94571-1208 www.barriersystemsinc.com	

The above noted systems are approved to meet crash worthiness standards and have been qualified by NCHRP Report 350 Hardware.

http://safety.fhwa.dot.gov/fourthlevel/hardware/term_cush.htm

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Curb Ramp Detectable Warning Field

Date last edited: 2/28/2008

Product Name	Acceptable Colors	Manufacturer	Distributor	Remarks	Date Approved
ADA Replaceable(Wet-Set) Stainless Steel Tactile Unit	Federal Yellow	ADA Solutions, Inc. P.O. Box 3 North Billerica, MA 01862 Phone # 1-800-372-0519 Fax # 1-800-262-9125 www.adatile.com	Contact :Joe Dunnigan e-mail:joed@adatile.com		12/12/2007
Advantage Tactile Systems	Pure White Federal Yellow	Advantage Tactile Systems, Inc. 241 MainStreet Suite 100 Buffalo, NY 14203 Phone # 1-800-679-4022 Fax # 1-800-679-4023 http://www.advantagetactile.com/	Farrell Equipment and Supply La Crosse 888-533-0909 Eau Claire 800-553-0909 Lincoln Contractors Supply Milwaukee 414-541-1327	Required coating system: <u>Diamond Tek</u> <i>Systems shall have a performed stamped friction pattern in between domes and on the dome tops for skid resistance</i>	8/4/2006
MetaPanel	Titanium White Chrome Yellow Med	MetaDome, LLC	2136 E. Dayton Street Madison, WI 53704 Phone # 608-249-8644 http://www.metadome.com/	Inset panel Required coating system: <u>Meta-Coat II</u>	4/5/2005
Neenah Detectable Warning Plate	Federal Yellow Optical White	Neenah Foundry Company	Contact: Michael J. Callahan Phone # 920-729-3847 www.nfco.com		8/5/2005

Contact:
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New products / New methods Engineer
Bureau of Technical Services
Division of Transportation System Development
Wisconsin Department of Transportation
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Cure & Seal Compounds for Non-Trafficked Surfaces on Structural Masonry

Date last edited: 1/1/2010

PERMANENT PRODUCTS FOR GENERAL USE

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Certivex AC 1315 HG	Vexcon Chemicals	4/18/2003 (name change 5-27-2003)
Certivex AC 1315 Concrete Stain	Vexcon Chemicals	4/18/2003
Duraguard 105- Clear	Chemmasters	4/1/2001
Duraguard 105- Gray	Chemmasters	4/1/2001
Super Rez-Seal	The Euclid Chemical Company ⁽¹⁾ 19218 Redwood Road Cleveland, Ohio 441100 800-321-7628 http://www.euclidchemical.com/	12/4/2006
TK- K+S Kure and Seal Clear	TK Products	12/1/2005
TK-26-Clear	TK Products	4/1/2001
TK-DOT Stain- Gray	TK Products	4/1/2001

Care must be taken Not to apply any of these products to concrete surfaces where bonding of subsequent concrete pours is needed .
Do not apply to surfaces where Concrete Protective Surface Treatments are required

REMOVABLE PRODUCTS FOR TEMPORARY USE

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
EZ Strip Cure	Chemmasters	12/1/2001
TK 2519 DC WB	TK Products	12/1/2001
Spec Rez	SpecChem	10/2/2009

These removable products shall only be used for surfaces where subsequent application of architectural coatings or special surface finish is required. These products may be removed after completion of the curing period with a 2000-3000 PSI high pressure water blast.

(1) Formerly Tamms Industries

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ENERGY ABSORBING TERMINALS FOR BEAM GUARD

Date last edited: 1/31/2009

Product Name

ET- 2000 Beam Guard Terminal end
ET- 2000 Plus Beam Guard Terminal end

Manufacturer

Trinity Highway Safety Products, Inc.
655 East Dixie Avenue
Elizabethtown, KY 42701
800-282-7668
www.highwayguardrail.com

SKT- 350(Sequential Kinking Terminal)

Road Systems , Inc.
7631 New Castle Drive
Frankfort, IL 60423

The above noted systems are approved to meet crash worthiness standards and have been qualified by NCHRP Report 350 Hardware.

http://safety.fhwa.dot.gov/fourthlevel/hardware/term_cush.htm

Contact:

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Epoxy Coating Bar Steel Reinforcement

Date last edited: 6-17-2008

<u>Product Name</u>	<u>Manufacturer</u>
Corvel Green 10-6071	Morton International
Corvel Green 10-6095	Morton International
Green HR046G	International Paint Powder Coatings, Inc.
Greenbar 720A009	Lilly Powder Coatings, Inc. (Also known as Valspar)
Interpon HD34	International Paint Powder Coatings, Inc.
Nap-Guard 7-2709	The O'Brien Corp., Powder Coating, Div.
Nap-Gard 7-2719	Dupont Powder Coatings USA, Inc.
Powdax E-90 1295 Green	Siebert Powder Coatings
Resicoat RB-600(HKF30R)	Akzo Powder Coatings, U.S.
Resicoat 500607	Akzo Powder Coatings, U.S.
Resicoat 500620	Akzo Powder Coatings, U.S.
Scotch Kote 215	Minnesota Mining and Manufacturing
Scotch Kote 413	Minnesota Mining and Manufacturing

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EPOXY PAVEMENT MARKING MATERIALS, QUALIFIED PRODUCTS

NOTE: Only epoxy products from this list may be furnished to WisDOT projects
For each contract the contractor must submit a certified report of test or analysis indicating
the results of laboratory tests made on the epoxy material furnished for the work.
The applicable manufacturer batch numbers are to be identified in the submittal.

Date last edited: 6/28/2004

All yellow epoxy markings approved for use in Wisconsin are required to be lead free.

Manufacturer	Product Name/brand	Color
Poly-Carb, Inc. 33095 Bainbridge Road Cleveland, Ohio 44139	Slow set Mark-55A, B	White
	Slow set Mark-55A, B (Non-Lead)	Yellow
	Fast set Mark 55.3A, B	White
	Fast set Mark 55.3A, B (Non-Lead)	Yellow

Innovative Performance Systems (IPS) 102 Commerce Dr. Cuba, MO 65453	Slow set HPS-2	White
	Slow set HPS-2 (Non-Lead)	Yellow

Epoplex One Park Avenue Maple Shade, NJ 08052	Fast set LS50	White A
	Fast set LS50 (Non-Lead)	Yellow - LF A
	Slow set LS60	White A
	Slow set LS60 (Non-Lead)	Yellow - LF A

Sherwin-Williams 2325 Hollins Ferry Rd Baltimore, Maryland 21230	Slow Cure BP 16427 [PMM(99WI)-130]*	White
	Lead Free- Slow Cure BP 16429 [PMM(99WI)-132]*	Yellow
	Fast Cure TM-8212	White
	Lead Free - Fast Cure TM-8215	Yellow

*[PMM(99WI)-13X] = AASHTO National Transportation Product Evaluation Program(NTPEP)"Report 00, Number 214" line number provided for information only.

Contact:
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Flexible Tubular Marker - Surface Mounted

Date last edited: 2/15/2005

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Davidson FG 300 UR	Davidson Plastics	12/8/1999
Dura-Post	Flint Trading	12/8/1999
FlexStake	FlexStake, Inc.	12/8/1999
Safe-Hit	Safe-Hit Corporation	12/8/1999

Approved Flexible Tubular Marker Base - mounting materials		
Hilti Bolt Adhesive System for attaching flexible delineator post bases to pavement	Hilti Fastening Systems, Inc. Tulsa, Oklahoma	12/10/1985
Asphaltic adhesive with specific properties for application in attaching flexible delineator post bases to pavement	Amerace Stimsonite Products Niles, Illinois	12/10/1985



Bureau of Highway Operations
 Division of Transportation Infrastructure Development
 Wisconsin Department of Transportation
 Phone (608)-266-0982
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thomas.notbohm@dot.wi.gov

Low Viscosity Crack Sealers for Bridge Decks

Date last edited: 4/20/2009

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Sikadur 55 SLV	Sika Corporation 800-933-7452 www.sikausa.com	12/10/2007
Sikadur 52		4/6/2009
Dural 335	The Euclid Chemical Company 19218 Redwood Road Cleveland, Ohio 441100 800-321-7628 http://www.euclidchemical.com/	12/10/2007
10-Minute Concrete Mender	Roadware, Inc. 800-288-8322	
TK-9030	TK Products, Division of Sierra Corp 11400 West 47th Street Minnetonka, MN 55343 952-938-7223 or 1-800-441-2129 www.tkproduct.com/	4/6/2009 <i>Name change 4-20-2009</i>

Note: Apply products in accordance with manufacturers recommendations

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Manhole, Inlet, Catch Basin Adjustment Products

Date last edited: 7/2/2007

Product Type	Product Name	Manufacturer	Remarks	Date Approved
Rubber Adjustment Riser Rings	Infra -RISER	East Jordan Iron Works ⁽¹⁾ 4150 Simon Road Youngstown, Ohio 445512 800-837-3901 www.ejiw.com	Use with manufacturer approved Polyurethane sealant only, if sealant is used.	9/24/2001 5/17/2007 - Manuf. name change
Manhole Riser/Collar System	WHIRLyGIG	Whirlygig Company 2418 Bishop Circle Calwell, ID, 83605 800-307-4263	System requires the use of WisDOT approved concrete masonry.	9/24/2001
HDPE Manhole Adjustment Rings	Ladtech HDPE Adjustment Rings	Ladtech Inc. 244 Woodridge Lane Lino Lakes, MN 55014 651-451-1252 1-877-ADJ-RING		10/8/2001
Light Weight Adjustment Rings , Polymer Composite	Under Ground Technologies(UGT) Light Weight Adjustment Rings	Underground Technologies 2546 Elliott Dr. Troy, MI 48083 248-736-4106 www.ugroundtech.com Contact : Mike Mortier mmortier@ugroundtech.com		6/29/2007

(1) Formerly GNR

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Non-Shrink Commercial Grout

Date last edited: 7/15/2009

Product Trade Name	Source & Location	Date Approved **
1107 Advantage Grout	Dayton Superior Corp. Chicago, IL	6/25/1999
Certivex Grout 1000	Vexcon Chemicals, Inc. Philadelphia, PA	1/30/2002
Dyna Grout	Brock White Construction Products Milwaukee, WI	
Five Star	U.S. Grout Corp. Old Greenwich, CN	
NC Grout ⁽²⁾	The Euclid Chemical Company ⁽¹⁾ 19218 Redwood Road Cleveland, Ohio 441100 800-321-7628	9/11/2001
Masterflow 713 Plus	ChemRex, Inc. Shakopee, MN	12/30/2002
NS Grout	Euclid Chemical Company Cleveland, Ohio	4/11/2001
Pro Spec F-77 Construction Grout	Bonsal American 3201 Arrowridge Blvd Charlotte, NC 28273 800-738-1621 http://www.prospec.com	7/2/2009
Pro Spec High Strength Precision Grout		
Quikrete Non-Shrink Precision Grout	The Quikrete Companies 500 Marathon Parkway Lawrenceville, GA 30045 770-216-9580	3/12/2009
Sealtight CG-86	W.R. Meadows, Inc. P.O. Box 338, Hampshire, IL	11/2/1999
SikaGrout 212	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 800-933-6225 www.sikaconstruction.com	10/23/2007
Sonogrout 10K	ChemRex, Inc. Shakopee, MN	12/30/2002
SpecChem Multipurpose Grout	SpecChem LLC 444-B Richmond Avenue Kansas City KS 66101 866-791-8700 www.specchemllc.com	5/29/2007
Speccrete Superb Grout 611	Specco Industries 13087 Main St Lemont, IL 60439 (630) 257-5060 www.specco.com	4/5/2007
Unigrout	Universal Form Clamp Co. Bellwood, IL	3/18/2005

** Product was approved for use prior to 1999 unless approval date is shown.

(1) Formerly Tamms Industries

(2) Name change, formerly Horn Grout

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Overhead Sign Support Mounting Brackets

for use on monotube overhead sign supports

Date last edited: 9/21/2009

See note at bottom !

Manufacturer	Remarks	Date Approved
Millerbernd Manufacturing Company	Galvanized or Stainless Steel brackets Must be custom designed for the structure to mounted on Include on shop drawing- Shop drawings to be signed and sealed by professional engineer	1/17/2008
Olson Aluminum Castings-Sky Bracket Division	Standard Sign Kit- Part Number SB-SBK Standard Clamp Kit(Stainless Steel Banding)- Part Number SB-SCK Standard Clamp Kit(Stainless Steel Cable)- Part Number SS-SBC	9/17/2009
Pelco Products, Inc	Stellar Series Astro-Brac 5/8-inch stainless band clamp kit (AS Models)	1/17/2008
	Astro Sign- Brac Band Mount 5/8-inch stainless band clamp kit (AB Models)	1/17/2008
Signal Equipment Company-South	Sign Mount Installation- Aluminum Alloy 535 <u>The following must be used (to ensure manufacture with aluminum alloy 535):</u> Base- Part Number 8214 Swivel- Part Number 8218 Tube Lock Down Bar- Part Number 8216 Flat Cable Clamp- Part Number 8215	8/26/2009
Union Metal Corporation	Galvanized or Stainless Steel brackets Must be custom designed for the structure to mounted on Include on shop drawing- Shop drawings to be signed and sealed by professional engineer	1/17/2008
Valmont Industries, Inc.	Galvanized or Stainless Steel brackets Must be custom designed for the structure to mounted on Include on shop drawing- Shop drawings to be signed and sealed by professional engineer	1/17/2008

Contact:

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(608) 516-6319 (Cellular)
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Important note: All iron and steel products supplied must be in compliance with "Buy America" provisions. Certification documentation is required and shall state the iron and steel used in the product was:

- Melted and manufactured in the US
- Was coated , galvanized, or painted in the US
- All fabrication, such as rolling, bending ,forming, drilling ,machining , extruding etc. was done in the US

or
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Pile Points

Date last edited: 9/30/2009

Furnish one of the following H-Pile Points:

Company	Product Name/model
Associated Pile & Fitting Corporation	Hard-Bite Point, Model HP-77750-B Hard-Bite Point, Model HP-77600-B Hard-Bite Point, Model HP-7780-B PAR10T PAR12T PAR14T
DFP	Tuftp H-776 Tuftp H-777
Versa Steel, Inc.	VS310 VS312 VS314
Construction Supply Company	HT 3300 w/teeth

Furnish one of the following conical Pile Points:

Company	Product Name/model
Associated Pile & Fitting Corporation	Model P-14006 Model P-13006 Model VB900
DFP	P-77
Construction Supply Company	CP-9900

Important note: All iron and steel products supplied must be in compliance with "Buy America" provisions.

Certification documentation is required and shall state the iron and steel used in the product was:

- Melted and manufactured in the US
- Was coated , galvanized, or painted in the US
- All fabrication, such as rolling, bending ,forming, drilling ,maching , extruding etc. was done in the US

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Culvert Pipe Liners- Prequalification to Manning's Coefficient

Date last edited: 3/20/2008

Note: The below listed products are pre-qualified ONLY to meeting the Manning "n" value criteria.
Manning's "n" value for the pipe less than or equal to 0.012.

Certified Report of Test and Analysis for other HPDE or PVC material requirements is required before use.

Product Name	Manufacturer	Distributor	Remarks	Date Approved
Contech A-2000 PVC	Contech Construction Products 6441 Enterprise Lane Suite 114A Madison, WI 53719		Test ave. of Mannings number = 0.0087 Pipe uses a bell and spigot joint	1/10/2006
Contech A2- Liner Pipe	608-277-8483 www.contech-cpi.com		Test ave. of Mannings number = 0.0088	7/6/2006

Culvert Renew	Poly Systems, Inc P.O. Box 1157 3 Industrial Drive Steelville, MO 65565 800-505-3301 - voice 573-775-3388 - fax www.culvertrenew.com		Test ave. of Mannings number = 0.012	10/6/2004
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SNAP-TITE	ISCO Industries LLC P.O Box 4545 926 Baxter Avenue Louisville, KY 40204 800-233-1305 www.isco-pipe.com	Johnston Fargo Culvert, Inc. 3575 85th Avenue NE St. Paul, MN 55126-1186 800-747-3485 - voice 763-7680-1760-voice 763-780-1763 - fax http://www.johnstonculvert.com/	Test ave. of Mannings number = 0.00936	4/30/2004
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Weholite	KWH Pipe 6507 Mississauga Road Mississauga, ON L5N 1A6 866-594-7473 www.kwhpipe.ca	Scott Strebel, KWH Pipe Regional Sales Representative-Midwest 4795 Iroquois Drive Algonquin, IL 60102 Cell-630-715-2859 Office-847-854-4010 Fax-847-854-4013	Test ave. of Mannings number = 0.0092	3/20/2008
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PORTLAND CEMENT MANUFACTURERS - CERTIFIED SUPPLIERS

Important: Read note at bottom of list !

Date last edited: 8/5/2009

Manufacturer	Mill Location	Cement Types
Buzzi Unicem USA	Cape Girardeau, Missouri	I, II
	Greencastle, Indiana	I, III
Continental Cement Company	Hannibal, Missouri	I, II
Holcim, Inc	Clarksville, Missouri	I, IS
	Dundee, Michigan	I
	Mason City, Iowa	I, IS, III
	Portland, Colorado	I, II, III
	St. Genevieve, MO ⁽¹⁾	I, II
	Theodore, Alabama	I, II, III
(St. Lawrence)	Mississauga, Ontario	I
(Cementos,Lima)	Lima, Peru	I,II
Illinois Cement Company	LaSalle, Illinois	I
LaFarge Corporation	Alpena, Michigan	I, II, III
	Davenport, Iowa	I, II, IS
	Green Bay, Wisconsin	IS, IP
	Milwaukee, WI	IS, IP
	Sugar Creek, Missouri	I, II, IS, IP
Lehigh Cement Company	Mason City, IA	I, III
St Marys, Inc.	Charlevoix, Michigan	I, II, III
	Dixon, IL	I, II, III
	St Marys, Ontario	I, II

New Source

(1) New source – Project staff please submit one field sample to central lab for every 2000 tons or portion used on project during 2009 construction season.

Note: Certified Mill Test Reports accompanying all cement shipments should be reviewed at the project level. If there is any notation on the mill cert that fly ash or slag has been added as a process addition during the manufacture of the cement, the maximum percent by weight of these materials added in the field should be reduced by the same amount. If questions , call Jim Parry at 608-246-7939.

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Prefabricated Steel Truss Pedestrian Bridges

Date last edited: 9/30/2009

Approved Designer and Supplier	Location
Continental Bridge	8301 State Hwy 29 N Alexandria, MN 56308 (800) 328-2047
Steadfast Bridge Company	4021 Gault Ave.South Fort Payne, AL 35967 (800) 749-7515
Wheeler Lumber LLC	9330 James Ave. South Bloomington, MN 55431 (800) 328-3986
Echo Bridge, Inc.	P.O. Box 89 Elmira, NY 14902 (607) 734-9456
Big R Manufacturing LLC	P.O. Box 1290 Greeley, CO 80632-1290 (800) 234-0734
Anderson Bridges	111 Willow Street Colfax, Wi 54730 (715) 962-2800

Important note: All iron and steel products supplied must be in compliance with "Buy America" provisions.

Certification documentation is required and shall state the iron and steel used in the product was:

- Melted and manufactured in the US
- Was coated , galvanized, or painted in the US
- All fabrication, such as rolling, bending ,forming, drilling ,machining , extruding etc. was done in the US

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Prestressed Concrete Members

Date last edited: 1/24/2010

<u>Company</u>	<u>Location</u>	<u>Approved Products</u>
County Prestress Corporation	Eau Claire, WI	All Prestressed Items
Spancrete, Inc.	Green Bay, WI	All Prestressed Items
Spancrete, Inc.	Waukesha, WI	Wall Panels and Substructure Components Only

Refer to the Construction and Materials Manual 8.75 for acceptance guidelines.
Each delivery requires a shipping document marked or stamped with the plant certification and satisfactory visual inspection by the project manager.

INTERIM QUALIFICATION LIST FOR NEW PRODUCERS:

The following vendors have applied to WisDOT for prestress plant certification, but have not yet achieved full plant certification. These vendors are qualified to provide quotes to contractors for prestressed concrete members for WisDOT work as long as their name appears on this interim qualification list.

<u>Company</u>	<u>Location</u>
IPC, Inc.	Iowa Falls, IA
Stress-Con Industries	Kalamazoo, MI

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Rapid Setting Concrete Patch Material

Date last edited: 12/4/2009

<u>Product Name</u>	<u>Manufacturer & Location</u>	<u>Date Approved</u>
Commercial Grade FastSet DOT Mix	The Quikrete Companies, Atlanta, GA	11/14/2006
Day Chem Perma Patch	Dayton Superior, Chicago, IL	
Duracal	U.S. Gypsum, Chicago, IL	
Five Star Highway Patch	Five Star Products, Inc., Fairfield, Connecticut	1/23/2000
Gilco Highway Patch	Gifford-Hill, Dallas, TX	
HD DOT Patch	Symons Corporation, Des Plaines, IL	
HD-50 Heavy Duty Concrete Patch	Dayton Superior, Chicago, IL	
Monopatch	Bindan Corporation	
Pave Patch 3000	Conspec Manufacturing and Marketing, Kansas City, KS	10/2/2000
Polypatch	Symons Corporation, Des Plaines, IL	
Rapid Road Repair	Quikrete Wisconsin, Inc., Sussex, WI	
RepCon 928	SpecChem LLC 444-B Richmond Ave Kansas City, MO 66101 866-791-8700 www.specchemllc.com	12/2/2009
Set 45	ChemRex, Inc., Shakopee, MN	
SikaQuick 2500	Sika Corporation, www.sikacorp.com/tds-cpd-SikaQuick2500-us.pdf	6/22/2009

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Release Agents, Asphaltic Mixtures

Date last edited: 9/30/2009

Note: unless approval date is shown product was approved before 1999

Product Name	Manufacturer & Location	Date Approved
2100 Nutrient Industr Cleaner	Lubrication Engineers, Inc., Fort Worth, TX	10/22/1999
#4900 Super Slick	Schaeffer's Specialized Lubricants, St. Louis, MO	8/3/2005
AME	Technology Chemical, Inc.	10/20/2002
Aqua Slip 30	Chemtek, Resarch Triangle Park, NC	5/4/2000
AR-X	Interchem International, Overland Park, KS	
AR3600	BioSpan Technologies, Inc., Baldwin, MO	10/2/2000
AR_92	Emulso Corporation, Buffalo, NY	
AR-611	S&S Industrial Services, Inc., Waukesha, WI	
AS-Release	JJC Materials, Palmer MA	10/27/2003
Asphalt Release	Chemical Technologies, Inc., Golden Valley, MN	1/8/2004
Asphalt Release EF	Chemtech Inc., Adel, IA	5/5/2009
ASPHALT RELEASE-EF	Wausau Chemical Corporation, Wausau, WI	6/2/2009
Asphalt Release RTU	Brody Chemical, Salt Lake City, Ut	6/14/2001
ASPHALT RELEASE-WB	Wausau Chemical Corporation, Wausau, WI	4/2/2009
Bio-Clean	Bio-Clean Industries, Aurora, CA	9/26/1997
Bio-Kream	Pristo Chemical Co., Roswell, GA	
Black Magic	Chemmark Corporation, Auroou, CO	
Black Magic for Rubber	Chemmark Corporation, Auroou, CO	
ChemStation 2061	Chemstation of Wisconsin, Milwaukee, WI	4/16/2003
ChemStation 2217	Chemstation of Wisconsin, Milwaukee, WI	5/14/2004
ChemStation 2061-A	Chemstation of Wisconsin, Milwaukee, WI	4/19/2006
ChemStation 2217-A	Chemstation of Wisconsin, Milwaukee, WI	4/19/2006
ChemStation 2087-B	Chemstation of Wisconsin, Milwaukee, WI	5/9/2007
ChemStation 2384-B	Chemstation of Wisconsin, Milwaukee, WI	5/9/2007
ChemStation 5278	Chemstation of Wisconsin, Milwaukee, WI	6/17/2002
ChemStation 5278-2	Chemstation of Wisconsin, Milwaukee, WI	8/14/2002
ChemStation 20148	Chemstation of Wisconsin, Milwaukee, WI	9/29/2009
ChemStation 20158	Chemstation of Wisconsin, Milwaukee, WI	9/29/2009
20135	ChemStation International, Inc, Dayton, OH	7/16/2009
20136	ChemStation International, Inc, Dayton, OH	7/16/2009
20137	ChemStation International, Inc, Dayton, OH	7/16/2009
67001	ChemStation International, Inc, Dayton, OH	7/16/2009
67002	ChemStation International, Inc, Dayton, OH	7/16/2009
Churchill L901	Puritan/Churchill Chemical Co., Galesburg, IL	
Churchill L911	Puritan/Churchill Chemical Co., Galesburg, IL	
CR3600	BioSpan Technologies, Inc., Baldwin, MO	10/3/2000
DART4	Hill & Griffith Co., Cincinnati, OH	2/22/2005
Dispersed Acidulated Soapstock	CHS, Mankato, MN	9/28/2004
Diver Slip	Diversey Corp., Cincinnati, OH	
DMX-77	Spectraphalt, LLC, Metteson, IL	3/3/1998
E-Soy	Technology Chemical, Inc.	3/13/2002
Eco 1000	U.S. Protec, Cleveland, OH	
Econopave 1000	Economy Compounds, Inc	4/25/2007
Empire Foam Plus	Empire Services, Roswell, GA	6/2/2000
Empire 2000 Phalt Free	Empire Services, Roswell, GA	6/2/2000
Empire Slide Plus	Empire Services, Roswell, GA	6/2/2000
Enviro-Slide(366)	Athea Laboratories, Inc., Milwaukee, WI	4/11/2002
EZ-60	Dubios Chemical, Cincinnati, OH	
EZ Release	Totla Solutions, Milwaukee, WI	9/27/2005
F.O. Release	Fine Organics Corp., Lodi, NJ	
F.O. Release II	Fine Organics Corp., Lodi, NJ	
Gargoyle-ExonMobile	Microblend, Inc., Morrow, GA	1/25/2002
GEO 55	SNI Solutions, Geneseo, IL	3/23/2006
G.E.Release	NCC, Inc., Marietta, GA	
GERALYN SI ERA	Fuchs Lubricants Co., Kansas City, KS	12/4/2008

Product Name	Manufacturer & Location	Date Approved
Glide Off	Astec Corp., Indianapolis, IN	2/4/1999
HD 5565	Chemstation of Wisconsin, Milwaukee, WI	
Milonic E-202	Milport Enterprises, Inc., Milwaukee, WI	
Milonic ET-15	Milport Enterprises, Inc., Milwaukee, WI	
Milonic ET-20	Milport Enterprises, Inc., Milwaukee, WI	
Mor-Release M	Morton International, Inc., Chicago, IL	5/5/1999
NCC-SF92	NCC, Inc., Marietta, GA	
No. 1 Asphalt Release Agent	Compound Technologies, Cartersville, GA	5/5/2006
Perma-Slip	Scanroad, Inc., Waco, TX	
Petro Ferm	Petro Ferm, Inc., Frenadina Beach, FL	
Phalt-Free	NCC, Inc., Marietta, GA	
Polyslip	Dubios Chemical, Cincinnati, OH	
Pure EZ Release	Total Solutions, Milwaukee, WI	9/27/2005
Quik Slip	Pure-Chem, Inc., Stanton, CA	8/15/2000
ReleaseAll	Microblend, Inc., Morrow, GA	1/23/2002
(366) Release Ease	Share Corp, Inc., Milwaukee, WI	4/10/2002
Rip Tide	Durmond American, Chilton, WI	8/15/2000
Rochester	Midland Corporation, Milwaukee, WI	1/23/2002
SD-20 All Purpose Cleaner	Spartan Chemical Company, Inc., Muamee, OH	8/26/2009
SPX-7	Compound Technologies, Inc., Cartersville, GA	7/29/2004
Slide-All	Diversey Corp., Cincinnati, OH	
Slide-All	Tec-Logix Industries, Inc., Atlanta, GA	
Slide-Eeze	Diversey Corp., Cincinnati, OH	
Slide-Eze	Dubios Chemical, Cincinnati, OH	
Slide Out	Hydro-Chemical Systems, Inc.	12/4/2008
Slikit	Tarmac Products, Inc., Blue Springs, MO	
Slipeazee Natural	Rochester Midland, Milwaukee, WI	3/10/1997
Slipeazee Satin	Rochester Midland, Milwaukee, WI	
Slipeazee SB	Rochester Midland, Milwaukee, WI	
Solvox Special 5332	SOLVOX Mfg. Company, Milwaukee, WI	10/1/2000
Solvox Special 5334	SOLVOX Mfg. Company, Milwaukee, WI	10/1/2000
Solvox Special 5337	SOLVOX Mfg. Company, Milwaukee, WI	5/2/2002
Solvox Special 5338	SOLVOX Mfg. Company, Milwaukee, WI	5/2/2002
Solvox Special 5339	SOLVOX Mfg. Company, Milwaukee, WI	5/2/2002
Solvox Special 5340	SOLVOX Mfg. Company, Milwaukee, WI	5/1/2002
Solvox Special 5341	SOLVOX Mfg. Company, Milwaukee, WI	5/1/2002
Solvox Special 5343	SOLVOX Mfg. Company, Milwaukee, WI	5/1/2002
Spectrapave 1000 (no dilution)	Spectraphalt, LLC, Metteson, IL	5/1/2002
Spectrapave 2000 (no dilution)	Spectraphalt, LLC, Metteson, IL	5/1/2002
STA-OFF(Asphalt Release Coating)	Astec Corp., Indianapolis, IN	5/1/2002
Syn-Coat	Presto Chemical Company, Roswell, GA	4/11/2002
Teclon 50	Tec-Team Industries, Inc., Smyrna, GA	5/21/1999
Telcon-Pro	Tec-Team Industries, Inc., Smyrna, GA	5/25/2005
Texope 515	Texo Corp., Jackson, WI	10/1/2000
Thermal Slide	Chemmark Corporation, Auroou, CO	1/29/2002
Tuff-Act- Pennzoil/Quaker State	Microblend, Inc., Morrow, GA	3/29/1999
United 596 E-Z Go	United Laboratory, ST. Charles, IL	7/5/2006
Valvoline Cling Free Release Agent	The Valvoline Company, Lexington, KY	4/19/2001
ZEP E2008 (XT-3199)	Zep Manufacturing Company, Atlanta, GA	10/3/2002
ZEP FA	Zep Manufacturing Company, Atlanta, GA	1/29/1997
ZEP Freeze Free	Zep Manufacturing Company, Atlanta, GA	1/29/1997
ZEP R-6690	Zep Manufacturing Company, Atlanta, GA	10/3/2002
ZEP Special Mix	Zep Manufacturing Company, Atlanta, GA	1/29/1997
ZEP X-5396	Zep Manufacturing Company, Atlanta, GA	

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RUBBERIZED MEMBRANE WATERPROOFING

Date : 1/31/2009

<u>Membrane Name</u>	<u>Primer</u>	<u>Mastic</u>	<u>Manufacturer Info</u>
Bituthene H3000 Membrane	Bituthene P3000 Primer ⁽¹⁾	EM-3000 mastic	
Protecto Wrap M-400 Membrane	No. 80 Primer	JS - 160H	
CCW Miradri 860/861 ⁽²⁾	CCW AWP or CCW-702 ⁽³⁾	CCW 704 mastic	
MEL-ROL (W.R.Meadows)	Sealtight MEL-Primer	Sealtight mastic	
Tamko TW-60	TWP-1 - Quick dry primer or TWP-2 - Water based primer	TWM-1	Tamko Roofing Products, Inc 220 W. Fourth Street P.O. Box 1401 Joplin, MO 64802 1-800-641-4691 www.tamko.com

(1) Substitute with Bituthene Green Concrete Primer when waterproofing with Bituthene systems on green (less than 7 days old) concrete.

(2) The Miradri product line has been acquired by Carlisle Coatings and Waterproofing. The named components are direct replacements.

(3) Use Carlisle (Miradri) Green Concrete Primer CCW-715 when waterproofing with Carlisle (Miradri) systems on "green" concrete.

NOTE! : Each of a membrane system component as listed above is to be used in combination exclusively with the system as listed and **MUST NOT** be intermingled with components from another system

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Plastic Guardrail Blockouts

Date last edited: 1/31/2006

<u>Product Name</u>	<u>Manufacturer & Location</u>	<u>Date Approved</u>
Lifetime Blockouts ⁽¹⁾	Lifetime Lumber Products Division of Jomarico, Inc. 3407 Oak Alley Ct. #503 Toledo, OH 43606 (419) 478-9000	10/17/2001
Mondo Block ⁽¹⁾	Mondo Polymer Technologies State Route 7 P.O. Box 250 Reno, OH 45773 (888) 607-4790	10/17/2001
PL6814R ⁽¹⁾	Ramco International P.O. Box 9625 Pittsburgh, PA 15226 (302) 539-0414	10/17/2001
Valley Rubber ⁽¹⁾	Valley Rubber P.O. Box 1209 Hartsell, AL 35640 (800) 622-5667	10/17/2001
Eco-Block ⁽¹⁾	ECO-Composites LLC 1769 Hayes Road Grand Haven, MI 49417 (616)-844-2001 voice (616)-844-2201 fax	12/17/2002

(1) Blockouts supplied from the noted pre-qualified manufacturers must conform to the dimensions shown on Standard Detail Drawing(S.D.D.) 14B15-4a⁽¹⁾

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TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE

Date last edited: 3/6/2007

<u>Manufacturer</u>	<u>Product Name/model</u>	<u>Color</u>
Advanced Traffic Markings	ATM 200 Series	white or yellow
	ATM 280 Series	black
Garlock Rubber Technologies ⁽¹⁾	Series 2000	white or yellow
Brite-Line Technologies, Inc.	Deltaline BTR	black
	Series 100	white or yellow
3M Company	3M ScotchLane Series 620	white or yellow
	3M ScotchLane Series 145	black
	3M ScotchLane Series 780	white or yellow
PB Laminations, Inc.	Aztec 102	white
	Aztec 390	yellow
Trelleborg	Trelleborg Removable Road Tape	white or yellow
Swarco Industries, Inc.	Director 2	white or yellow
	Director 2 Blackout	black

(1) Formerly Biltrite

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TEMPORARY RAISED PAVEMENT MARKERS

Date last edited: 4/2/2001

<u>Manufacturer</u>	<u>Product Name/model</u>
Stimsonite Corporation Niles, Illinois	Stimsonite 88
3M	3M 290/291
Ray-O-Lite Division of Pac-Tec, Inc. 1870 James Parkway Heath, Ohio 43056	Square Shoulder 8700 Series Round Shoulder 8800 Series AA 9700 Series

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