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.

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2014

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

	AASHTO-M194, Type A Water Reducers
	Portland Cement Concrete 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
Link	Epoxy Pavement Marking Materials-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
	Polymer Liquid Binder
	Portland Cement Manufacturers- Certified Suppliers
	Portland Cement Manufacturers- Certified Suppliers
	Precast Catch Basins, Inlets and Manholes
	Prefabricated Steel Truss Pedestrian Bridges
Link	Preformed Thermoplastic Marking Materials
	Prestressed Concrete Members
	Rapid Set Concrete Patch
	Release Agents, Asphaltic Mixtures
	Plastic Guardrail Blockouts
	Rubberized Membrane Waterproofing
	Safety Edge
Link	Solventborne Paints
	Temporary Raised Pavement Markers
Link	Wall Systems
	Warm Mix Asphalt (WMA) Additives
Link	Waterborne Paints

ASPHALT CEMENT - CERTIFIED SUPPLIERS

Date last edited: 4/25/2012

Supplier	Shipping Location
Asphalt Materials, Inc.,	Cicero, IL
Barton Enterprises	Newport, MN
Bituminous Matr'l & Supply	Des Moinse, IA
Bituminous Matr'l & Supply	Tama, IA
BKEP Materials LLC	Grand Island, NE
Border Chemical Co.	Winnipeg, Manitoba
Bit Mat Products	South Bend, IN
BP Products North America Inc	Bartlett, IL
BP Products North America Inc	Chicago, IL
BP Products North America Inc	Whiting, IN
CHS	Laurel, MT
CHS	Grand Forks, ND
CHS	Mandan, ND
CHS	Hardin, MT
ConocoPhillips	Forestview, IL
ConocoPhillips Company	Kansas City, MO.
ConocoPhillips Company	Roxanna, IL
Const Resources Mgmt Inc	Gladstone, MI
Const Resources Mgmt Inc	Milwaukee, WI
Const Resources Mgmt Inc	Waukesha, WI
Const Resources Mgmt Inc	Green Bay, WI
Exxon Mobil	Billings, MT
Flint Hills Resources, LP	Davenport, IA
Flint Hills Resources, LP	Omaha, NE
Flint Hills Resources, LP	Rosemount, MN
Flint Hills Resources, LP	Green Bay, WI
Flint Hills Resources, LP	West Fargo, ND
Flint Hills Resources, LP	Stevens Point, WI
Flint Hills Resources, LP	Marshall, MN
Flint Hills Resources, LP	Dubuque, IA
Flint Hills Resources, LP	Savage, MN

(1) Formally Murphy Oil Products

Supplier	Shipping Location
Flint Hills Resources, LP	Algona, IA
Flint Hills Resources, LP (Omaha I)	Omaha, NE
Frontier Ref Inc	Cheyenne, WY
H G Meigs LLC	Abbotsford, WI
H G Meigs LLC	Portage, WI
Husky Energy	Calgary, Alberta
Husky Oil	Saskatoon, SASK
Jebro, Inc.	Corson, SD
Jebro, Inc.	Sioux City, IA
Marathon Ashland Petroleum LLC	Utica, IL
St. Paul Park Refinery Co. LLC	St Paul Park, MN
McAsphalt Ind LTD	Thunder Bay, Ontario
McAsphalt Ind LTD	Winnipeg, Manitoba
Midwest Industrial Asphalt	LaCrosse, WI
Texpar Energy LLC	Rochester, MN
Monarch Oil	Omaha, NE
Moose Jaw Asphalt, Inc	Moose Jaw, Sask
Calumet Specialty Product Partners (1)	Rhinelander, WI
Calumet Specialty Product Partners (1)	Superior, WI
Calumet Specialty Product Partners (1)	Crookston, MN
Northwest Asphalt Products, Inc.	Milwaukee, WI
Interstate Asphalt Corp.	Peoria, IL
Interstate Asphalt Corp- Ameripan	Chicago, IL
Interstate Asphalt Corp - Bell	Chicago, IL
Pioneer Oil Co.	Billings, MT
Pounders Emulsions	Yorkton, SASK
Seneca Petroleum, Co.	Portage, IN
Seneca Petroleum, Co.	Lemont, IL
Sinclair Oil Corp.	Casper, WY
Texpar Energy LLC	Davenport, IA
Tri County Paving, Inc	DeForest, WI
Westway Terminal Company, Inc	St Paul, MN

Contact:
Thomas Brokaw, Materials Laboratory Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone- (608) 246-7934
E-mail:
thomas.brokaw@dot.wi.gov

APPROVED Portland Cement Concrete Admixtures

Last update: 09/15/2014

Important! Type A and Type D admixtures may not be compatabile only use in combination in the same batch if the manufacturer allows.

Manufacturer	Air-Entraining Admixtures (AASHTO M154)	Water Reducers (AASHTO M194 - Type A	Water Reducing Set Retarders (AASHTO M194 - Type D)
PINOVA, Inc.[1] P.O. Drawer 1517 Brunswick , GA 31521-1517 Ph: 912-265-3550 http://www.ashland.com/ (1) Formerly Ashland, Inc	Vinsol		
BASF Admixtures, Inc.[2] 223700 Chagrin Blvd. Cleveland, OH, 44122 Ph: 800-628-9990 www.basf-admixtures.com (2) formerly Degussa Admixtures Inc. (formerly Master Builders)	MasterAir AE 200 MasterAir AE 90 MasterAir AE 400 MBVR Standard MaterAir VR 10	MasterPolyheed 997 MasterPolyheed 1020 MasterPozzolith 80 MaterGlenium 7500 MasterGlenium 7511	MasterSet Delvo MasterPozzolith 80 MasterSet R300
CHRYSO, Inc. PO Box 190 Rockwall, TX 75039-1611	Chryso Air 260 Chryso Air TX	Chryso Fluid Premia 180 Chryso Fluid Optima 203 Chryso EnviroMix 159 Chryso EnviroMix 728 Chryso Plast 209	Chryso Tard 100R Chryso NutralSet
Euclid Chemical Company 19218 Redwood Road Cleveland , OH 44110-2799 Ph: 800-321-7628 www.euclidchemical.com	Eucon AEA-92-S Eucon Air Mix 200 Eucon Air Mix 250 Eucon AEA-92	Eucon MR Eucon WR Eucon WR-91 Plastol 6420 Eucon MRX	Eucon WR Eucon WR-91 Eucon WO
Fritz-Pack Concrete Admixtures 4821 Eastover Circle Mesquite, TX 75149 http://www.fritzpak.com/	Air Plus Super Air Plus		FR-1 Delayed Set Standard Delayed Set Mini
General Resource Technology 2987 Center Court Eagan, MN 55121 800-324-8154 651-454-4151 www.grtinc.com	Polychem AE Polychem VR Polychem SA Polychem SA-50	Polychem 400NC Polychem SPC Polychem Paver Plus KB-1200	Polychem R Polychem 400 NC
Premier Concrete Admixtures 508 Cedar Street PO Box 277 Pioneer, OH 43554 800-503-3418 http://www.premiereadmix.com/	ConAir ConAir 260	Optiflo 50 Optiflo 500 Optiflo MR Optiflo Plus Optiflo 700	Prolong L Optiflo 500 Optiflo 50
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 Air 260 Sika Air 360 Sika Multi-Air 25 Sika AEA-14	Sikament 686 Plastocrete 161 Sikaplast 200 Sikaplast 300 GP Sika Viscocrete 1000	Plastiment ES Sikatard 440 Plastocrete 161
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 50 WRDA 82 MIRA 62 ADVA Cast 600 ADVA 140M	Recover Daratard 17 WRDA 82

Contact:
James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939
E-mail:
james.parry@dot.wi.gov

APPROVED FABRICATORS, BRIDGE METAL SECONDARY FABRICATION ITEMS

Date last edited: 1/13/2014

Approved Fabricator	Location
Commercial Fabricators	Bridgeview, IL
Badger Railing	Milwaukee, WI
D.S. Brown	North Baltimore, OH
ESPO Engineering	Willowbrook , IL 60527 630-789-2525
ESS Brothers	Minneapolis, MN
PACAL, LLC (Paper Calumensen)	St. Paul, MN
LienTec, Inc. (1)	1000 East Street Stoughton, WI 53589 608-877-5887 www.lientecinc.com
Viking Steel Inc.	Oshkosh, WI
White Oak Metals	Dalton, Minnesota
Wheeler Lumber, LLC	9330 James Avenue South Bloomington, MN 55431 800-328-3986 http://www.wheeler-con.com/

(1) Formerly RDLW Landscaping, LLC, formerly Judy's Welding

The engineer may accept secondary fabrication items at the job site for shipments that include a 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:
Craig Wehrle, Metals & Fabrication Inspection Supervisor
Phone: (608)266-8487
E-Mail:
craig.wehrle@dot.wi.gov

Mike Wood, Metal Fabrication Specialist
Phone: (608)358-8654
E-Mail:
michael.wood@dot.wi.gov

Bicycle Rack Asphalt or Concrete Mounted

Date last edited: 9/30/2009

Hanger Style Racks

Bicycle Racks Loaded from One Side

Manufacturer	*Model*	*Capacity of Rack*
Dero Bike Rack Co. 2657 32nd Avenue S. Minneapolis, MN 55406 (800) 891-9298 www.dero.com	Dero Campus Rack Model S3 Dero Campus Rack Model S4 Dero Campus Rack Model S5 Dero Campus Rack Model S6	3 bikes 4 bikes 5 bikes 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 City Rack 2406 or 2406C City Rack 2409 or 2409C City Rack 2412 or 2412C	3 bikes 4 bikes 5 bikes 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 Madrax Sparten Model SPR-SNG-4--FS-G Madrax Sparten Model SPR-SNG-5--FS-G Madrax Sparten Model SPR-SNG-6--FS-G	3 bikes 4 bikes 5 bikes 6 bikes

Bicycle Racks Loaded from Both Sides

Manufacturer	*Model*	*Capacity of Rack*
Dero Bike Rack Co. 2657 32nd Avenue S. Minneapolis, MN 55406 (800) 891-9298 www.dero.com	Dero Campus Rack Model D5 Dero Campus Rack Model D7 Dero Campus Rack Model D9	5 bikes 7 bikes 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 City Rack 2436 or 2436C City Rack 2439 or 2439C	5 bikes 7 bikes 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 Madrax Sparten Model SPR-DBL-7-FS-G Madrax Sparten Model SPR-DBL-9-FS-G	5 bikes 7 bikes 9 bikes

Inverted -U Style Racks

Manufacturer	*Model*	*Capacity of Rack*
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 shal 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 ,forming, drilling ,machining , extruding etc. was done in the US

Contact:
Tom Huber
WisDOT Bicycle and Pedestrian Coordinator
Planning Section
608-267-7757
email: thomas.huber@dot.wi.gov

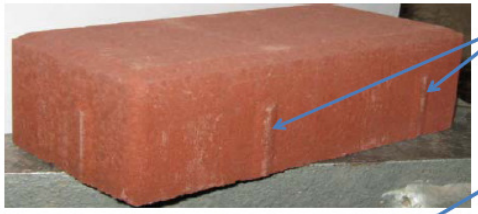
BRICK and BLOCK

Date last edited: 7/26/2013

Company	Location	Color Marking	Expiration Date
County Materials Corp	Marathon City, WI	Refer to photos for colors and markings	8/1/2014
Distributors			
County Materials Corp	Wausau,WI	Refer to photos for colors and markings	8/1/2014
County Materials	Madison, WI	Refer to photos for colors and markings	8/1/2014
County Materials	Stevens Point, WI	Refer to photos for colors and markings	8/1/2014
County Materials	Waukesha, WI	Refer to photos for colors and markings	8/1/2014

Brick and Block produced by County Materials - Marathon City

Concrete Brick - Heritage Red



Note raised spacer bars

4-inch and 8-inch wide Block

Identified by scribe mark on end

Sewer Block

Contact:
Thomas Brokaw, Materials Laboratory Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone- (608) 246-7934
E-mail:
thomas.brokaw@dot.wi.gov

CASTINGS, GRAY IRON

Date last edited: 1/15/2010

Approved Manufacturer	Location
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:
James Parry, Qaulity Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939
E-mail:
james.parry@dot.wi.gov

Concrete Masonry Anchors, Type L

Date last edited: 4/03/2014

Product Name	Manufacturer	Supplied by:
AT-XP[1]	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[3]	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
HY-150 MAX[2] HY-100 MAX[2] HY-200 MAX[2]	Hilti Inc 5400 S 122nd Avenue Tulsa, OK 74121 800-879-8000 http://www.us.hilti.com/	Hilti North America Contact: Arif Khatri 847-224-1667 arif.khatri@hilti.com
Red Head EPCON S7[4]	ITW Commercial Construction North America 700 High Grove Boulevard Glendale Heights, IL 60139 630-825-7900 630-893-1291(fax) www.itwredhead.com	Jensen Equipment N27 W23015 Roundy Dr, Pewaukee, WI 53072 262-547-5548 Jensen Equipment 2101 S Stoughton Rd Madison, WI 53716 608-441-2500 Bay Verte Machinery 975 Parkview Rd Green Bay, WI 920-336-7440

NOTE:
(1) AT-XP has a 9 month shelf life when stored in unopened containers between 32 degrees F and 80 degrees F
(2) Store HY-100, HY-150 MAX and HY-200 in a cool, dry and dark place between 41 degrees F and 77 degrees F. Refer to the expiration date on foil pack.
(3) The shelf life of AC100+Gold is 15 months when stored in an unopened cartridge in a dry, dark and cool environment between 32 to 86 degrees.
(4) The shelf life of the Red Head EPCON S7 is 12 months when stored in unopened containers between 40 to 90 degrees F in a dry, dark environment (Refer to date on containers).

Contact:
Danielle De Tennis
608-266-8689
Bureau of Structures
email:
danielle.detennis@dot.wi.gov

Concrete Protective Surface Treatment

Date last edited: 6/10/2014

Product Name	Manufacturer	Date Approved
SIL-ACT ATS-42 NS	Advanced Chemical Technologies Inc 9608 Robison Ave Oklahoma City OK 73114	7/31/2013
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
TK-590-90	TK Products	6/10/2014
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) Formly Tamms Industries

Contact:
James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone (608) 246-7939
E-mail:
james.parry@dot.wi.gov

Corrugated Metal Pipe Products

Date last edited: 6/10/2014

Includes metal apron endwalls

Company	Location
Contech Construction Products, Inc.	Shakopee, MN
Contech Construction Products, Inc.	Portage, WI
*TrueNorth Steel	Blaine, MN
Metal Culverts, Inc.	Evansville, WI
County Materials Corporation	Wausau, WI
Jensen Bridge and Supply Company	Sandusky, MI
J&J Drainage Products Co.	Hutchinson, KS (Apron End Walls Only)

* Formerly Johnston Fargo Culvert, Inc.

Contact:
Peter Kemp, P.E.
Bureau of Technical Services
3502 Kinsman Blvd
Madison, WI 53704

Phone- (608) 246-7953
E-mail:
peter.kemp@dot,wi.gov

Corrugated Polyethylene Culvert Pipe- M 294

Date: 8/8/2013

Manufacturer	Plant location	Approved Pipe Sizes	Date Approved
Advanced Drainage Systems(ADS)[1]	Fairmont, MN	All	1/1/2012
	Mendota, IL	All	1/1/2012
	Eagle Grove, IA	All	1/1/2012
	Findlay, OH	All	8/8/2013
	London, OH	All	8/8/2013
Haviland Drainage Products Co. [1]	Haviland, OH	All	1/1/2012
Prinsco[1]	Chatsworth, IL	All	1/1/2012
	Prinsburg, MN	All	1/1/2012
Quality Culvert[1]	Astatula, FL	All	1/1/2012
	Athens, AL	All	1/1/2012
	Marshall, TX	All	1/1/2012
Timewell Drainage	Timewell, IL	All	1/1/2012
JM Eagle	Wharton, TX	All	8/7/2012

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

Products must show compliant to both audits and split sample

Production of pipe in a NTPEP fully compliant plant is required .

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

Contact:
Peter Kemp, P.E.
Bureau of Technical Services
3502 Kinsman Blvd
Madison, WI 53704

Phone- (608) 246-7953
E-mail:
peter.kemp@dot.wi.gov

Corrugated Polyethylene Drainage Pipe- M 252

Date last edited: 8/8/2013

Manufacturer	Plant Location	Approved Pipe Sizes	Date Approved
ADS	Mendota,IL	All	1/1/2012
	Fairmont, MN		8/8/2013
	Eagle grove, IA		8/8/2013
	Findlay, OH		8/8/2013
	London, OH		8/8/2013
Haviland Drainage Prodcuts Co.	Haviland, OH	All	1/1/2012
Quality Culvert	Astatula, FL	All	1/1/2012
	Athens, AL	All	1/1/2012
	Marshall, TX	All	1/1/2012
Prinsco	Chatworth, IL	All	5/24/2012
JM Eagle	Wharton, TX	All	8/7/2012

Accepted on the basis of compliance to the National Transportation Product Evaluation Program(NTPEP) www.ntpep.org

Products must show compliant to both audits and split sample

Production of drainage pipe in a NTPEP fully compliant plant is required .

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 with a certification of compliance identifying manufacturer, plant , type, size and compliance to AASHTO M 252

Pipe not properly marked AASHTO M 252 shall be rejected

Contact:
Peter Kemp, New Products Engineer
3502 Kinsman Blvd
Madison, WI 53704

Phone- (608) 246-7953
E-mail:
peter.kemp@dot.wi.gov

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.

Product Name	Manufacturer
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:
Erik Emerson P.E.
Standard Development Engineer
Wisconsin Department of Transportation
Office: 608-266-2842
4802 Sheboygan Ave.
Rm 651
P.O. Box 7916
Madison, WI 53707-7916

E-mail:
mailto:erik.emerson@dot.wi.gov

CRASH CUSHIONS

Date last edited: 6/24/2013

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

Product Name	Manufacturer	Bid Items			Note
		614.0800 Crash Cushions Permanent	614.0805 Crash Cushions Permanent Low Maintenance	614.0905 Crash Cushions Temporary	
QuadGuard II	Energy Absorption, Inc./A Trinity Industries Inc. Company	Y		Y	(1)
QuadGuard CZ	Energy Absorption, Inc./A Trinity Industries Inc. Company			Y	
Quest	Energy Absorption, Inc./A Trinity Industries Inc. Company			Y	
React 350	Energy Absorption, Inc./A Trinity Industries Inc. Company			Y	
REACT 350 II	Energy Absorption, Inc./A Trinity Industries Inc. Company	Y	Y	Y	
REACT 350 Wide	Energy Absorption, Inc./A Trinity Industries Inc. Company	Y	Y		(1)
SCI	SCI Products Inc.	Y	Y	Y	
TAU II	Barrier Systems A Lindsay Transportation Solutions Company	Y		Y	(1)
TAU II-R	Barrier Systems A Lindsay Transportation Solutions Company	Y	Y	Y	(1)
X-Tenuator	Barrier Systems A Lindsay Transportation Solutions Company			Y	

Manufacturer	Address (2)
Barrier Systems A Lindsay Transportation Solutions Company	3333 Vaca Valley Pkwy Ste 800, Vacaville, CA 95688
Energy Absorption, Inc./A Trinity Industries Inc. Company	35 E. Wacker Drive Chicago, IL 60601 or 2525 N Stemmons Freeway, Dallas, Tx 75207
SCI Products Inc.	635 Lucknow Road Harrisburg, PA, 17110

Notes
Y-indicates system may be used for that specific bid item
(1)-System has capacity to protect wider hazards. But, special hardware is required.
(2)-Address provided is for main office . Distributer's office not indicated.

Project LET on or after December 2013 are required to use this approve products list.
Project LET prior to December 2013 may use this or the old approved products list.

Contact:
Erik Emerson P.E.
Standard Development Engineer
Wisconsin Department of Transportation
Office: 608-266-2842
4802 Sheboygan Ave.
Rm 651
P.O. Box 7916
Madison, WI 53707-7916
E-mail:
erik.emerson@dot.wi.go

CRASH CUSHIONS Prior to the December 2013 let

Date last edited: 6/24/2013

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.

Product Name	Manufacturer	
QuadGuard QuadGuard Crash Cushion System QuadGuard CZ Crash Cushion System QuadGuard Elite Crash Cushion System QuadGuard LMC Crash Cushion System	Enegry Absorption Systems, Inc. One East Wacker Drive Chicago, IL 60601 www.energyabsorption.com	
REACT - 350	Enegry 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

Project LET prior to December 2013 may use this or the new approved products list.

Contact:
Erik Emerson P.E.
Standard Development Engineer
Wisconsin Department of Transportation
Office: 608-266-2842
4802 Sheboygan Ave.
Rm 651
P.O. Box 7916
Madison, WI 53707-7916

E-mail:
mailto:erik.emerson@dot.wi.gov

Curb Ramp Detectable Warning Field

Date last edited: 4/04/2014

Product Name	Bid Item	Acceptable Colors	Manufacturer	Distributor	Date Approved
Cast-DWD	602.0515 602.0505 602.0510	Natural Finish Federal Yellow White	Pioneer Detectable LLC N8060 Maple Street Ixonia, WI 53036 (262)-370-5355 www.castdwd.com	Pioneer Supply (262) 560-1720 fax: (262)560-1890	2/4/2010
East Jordan Iron Works Detectable Warning Plates	602.0515 602.0505	Natural Finish Yellow	East Jordan Iron Works 301 Spring Street East Jordan , MI 49727 (800) 874-4100 www.ejiw.com		2/4/2010
Neenah Detectable Warning Plate	602.0515 602.0505 602.0510	Natural Finish Federal Yellow Optical White	Neenah Foundry Company	Contact: Michael J. Callahan (920)-729-3847 www.nfco.com	8/5/2005
Advantage Cast Iron	602.0505	Natural Finish	Engineered Plastics 300 International Dr. Suite 100 Willamsville, NY 14221 800-682-2525 http://www.advantagetactile.com/index.html		8/7/2012
Detectile Cast Iron ADA Plates	602.0505	Natural Fininsh	Detectile Corporation 603 Mallard Lane Oak Brook, IL 60523 630-734-0277		9/13/2012
TufTile ADA Warning Panel	602.0505	Natural Finish	TufTile Corperation 1200 Flex Court Lake Zurich, Il 60047 http://www.tuftile.com 888-960-8897		4/4/2014

Contact:
Peter J Kemp, P.E.
New products / New methods Engineer
Bureau of Technical Services
Division of Transportation System Development
Wisconsin Department of Transportation
3502 Kinsman Blvd., Truax Center
Madison, WI 53704-2507
peter.kemp@dot.wi.gov
Phone: 608-246-7953
fax: 608-246-4669

Cure & Seal Compounds for Non-Trafficked Surfaces on Structural Masonry

Date last edited: 8/13/2014

PERMANENT PRODUCTS FOR GENERAL USE

Product Name	Manufacturer	Date Approved
Certivex AC 1315 HG	Vexcon Chemicals	4/18/2003 (name change 5-27-2003)
Certivex AC 1315 Concrete Stain	7420 State Road	4/18/2003
Certivex Guard Clear	Philadelphia, PA 19135	1/22/2010
Certivex Guard Chemically Active Concrete Stain (CACS)	www.vexcon.com	1/22/2010
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- Kure and Seal 1315	TK Products	12/1/2005 (name change 8/11/14)
TK-26-Clear	TK Products	4/1/2001
TK-DOT Stain- Gray	TK Products	4/1/2001
TK-AS-1 Achro Seal 1315	TK Products	8/13/2014

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

Product Name	Manufacturer	Date Approved
EZ Strip Cure	Chemmasters	12/1/2001
Clear Resin CureJ11W	Dayton Superior	4/13/2012 (name change 4-13-2012)
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

Contact:
James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939
E-mail:
james.parry@dot.wi.gov

ENERGY ABSORBING TERMINALS FOR NON-*MGS and MGS BEAM GUARD

Date last edited:10/28/2014

Product Name	Manufacturer
SKT- 350 (Sequential Kinking Terminal)	**Road Systems , Inc.** **PO BOX 2163** **Big Springs TX 79721**

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:
Erik Emerson P.E.
Standard Development Engineer
Wisconsin Department of Transportation
Office: 608-266-2842
4802 Sheboygan Ave.
Rm 651
P.O. Box 7916
Madison, WI 53707-7916

E-mail:
mailto:erik.emerson@dot.wi.gov

*MGS = Midwest Guard Rail System

Epoxy Coating Bar Steel Reinforcement

Date last edited: 2-06-2014

Product Name	Manufacturer
Corvel Green 10-6071	Morton International
Corvel Green 10-6095	Morton International
Green HR046G	International Paint Powder Coatings, Inc.
Greenbar 720A009	Valspar Corporation
Interpon HD34	International Paint Powder Coatings, Inc.
Nap-Guard 7-2709	The O'Brien Corp., Powder Coating, Div.
Nap-Gard 7-2719	Axalta Coating Systems LLC (formerly Dupont)
Nap-Gard 7-2750	Axalta Coating Systems LLC (formerly Dupont)
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

Contact:
James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939
E-mail:
james.parry@dot.wi.gov

Flexible Tubular Marker - Surface Mounted

Date last edited: 7/22/2013

Product Name	Manufacturer	Date Approved
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
Masterflex series	Bent Manufacturing Co. 17311 Nichols St. Huntington Beach, CA 92647-5721	5/19/2010
360 Surface Mount	New Direction Manufacturing, Inc. 18491 N. Tamiami Trail North Fort Meyers, FL 33903	5/19/2010

Joyce M Murphy, PE
State Materials Engineer
Bureau of Traffic Operations
joyce.murphy@dot.wi.gov
(608)261-8631 (Madison)
(414)227-4665 (Milwaukee)

Low Viscosity Crack Sealers for Bridge Decks

Date last edited: 4/20/2009

Product Name	Manufacturer	Date Approved
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** *Name change 4-20-2009*

Note: Apply products in accordance with manufacturers recommendations

Contact:
James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939
E-Mail:
james.parry@dot.state.wi.us

Manhole, Inlet, Catch Basin Adjustment Products

Date last edited: 5/24/2012

Product Name	Manufacturer	Remarks	Date Approved
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
WHIRLyGIG	Whirlygig Company 2418 Bishop Circle Calwell, ID, 83605 800-307-4263	System requires the use of WisDOT approved concrete masonry.	9/24/2001
Ladtech HDPE Adjustment Rings	Ladtech Inc. 244 Woodridge Lane Lino Lakes, MN 55014 651-451-1252 1-877-ADJ-RING		10/8/2001
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
Flex-O-Ring	American Highway Products 11723 Strsburg Bolivar Rd. Bolivar, OH 44612 http://www.ahp1.com/index.php 1-888-272-2397	Use with manufacuturer reccomended sealant.	5/24/2012
Pro-Ring	Cretex Specialty Products N16 W23390 Stone Ridge Drive Suite A Waukesha, WI 53188 Ph. 800-345-3764 Fax (262) 542-0301 www.cretexseals.com	Use with manufacuturer reccomended sealant.	5/24/2012

(1) Formerly GNR

Contact:
Peter J Kemp
New products / New methods Engineer
Bureau of Technical Services
Division of Transportation Systems Development
Wisconsin Department of Transportation
peter.kemp@dot.state.wi.us
Phone: 608-246-7953

Non-Shrink Commercial Grout

Date last edited: 6/24/2013

Product Trade Name	Source & Location	Date Approved **
1107 Advantage Grout	Dayton Superior Corp. Chicago, IL	6/25/1999
Akona Non Shrink Grout	TCC Materials 2025 Centre Pointe Blvd Suite 300 Mendota Heights MN 55120 Phone: 651-286-1271	7/30/2012
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	
Hilti Multipurpose Grout Hiliti Precison Grout	Hiliti North America 5400 S 122nd Ave Tulsa, OK 74146	9/21/2010
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 Pro Spec High Strength Precision Grout	Bonsal American 3201 Arrowridge Blvd Charlotte, NC 28273 800-738-1621 http://www.prospec.com	7/2/2009
Quikrete Non-Shrink Precision Grout	The Quikcrete 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
US Spec MP Grout	US Mix 112 South Santa Fe Drive Denver CO 80223 303-778-7227 www.usmix.com	6/24/2013

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

(1) Formerly Tamms Industries

(2) Name change, formerly Horn Grout

Contact:

James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939
E-Mail:
james.parry@dot.wi.gov

Overhead Sign Support Mounting Brackets

for use on monotube overhead sign supports

Date last edited: 7/17/2013

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 The following must be used (to ensure manufacture with aluminum alloy 535): 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:
Matthew R. Rauch, P.E.
State Signing Engineer
WisDOT Bureau of Highway Operations
Traffic Engineering Section
(608) 246-5305 (Office)
(608) 516-6319 (Cellular)
matt.rauch@dot.wi.gov

or
Vu Thao, P.E.
WisDOT Bureau of Structures
Structures Design Section
(608) 267-2869
vu.thao@dot.wi.gov

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**

Pile Points

Date last edited: 4/16/2010

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
Construction Supply Company	HT 3300 w/teeth
DFP	Tuftip H-776 Tuftip H-777
Mid-America Foundation Supply, Inc.	HPH-10-RB HPH-12-RB-1 HPH-14-RB-1
Versa Steel, Inc.	VS310 VS312 VS314

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 ,machining , extruding etc. was done in the US

Contact Information:

William Dreher
Bureau of Structures
E-Mail:
william.dreher@dot.wi.gov
Phone: 608-266-8489

Culvert Pipe Liners- Prequalification to Manning's Coefficent

Date last edited: 10/9/2013

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 608-277-8483 www.contech-cpi.com		Test ave. of Mannings number = 0.0087 Pipe uses a bell and spigot joint	1/10/2006
Contech A2- Liner Pipe			Test ave. of Mannings number = 0.0088	7/6/2006
Contech DuroMaxx			Test ave. of Mannings number = 0.012	5/9/2013
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
SNAP-TITE	ISCO Industries LLC P.O Box 4545 926 Baxter Avenue Louisville, KY 40204 800-233-1305 www.isco-pipe.com	True North Steel 3575 85th Avenue NE St. Paul, MN 55126-1186 800-747-3485 - voice 763-7680-1760-voice 763-780-1763 - fax http://www.truenorthsteel.com	Test ave. of Mannings number = 0.00936	4/30/2004
Weholite	KWH Pipe 6507 Mississauga Road Mississsauga, ON L5N 1A6 866-594-7473 www.kwhpipe.ca	Scott Strebel,KWH Pipe Regional Sales Representitve-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
InnerFlow	International Pipe Consultants PO Box 366 900 New York Ave. New Castle, IN 47362	International Pipe Consultants PO Box 224 900 New York Ave. New Castle, IN 47362 Phone: 765-388-2222 Fax: 765-288-2223 Website: www.ipcsales.com	Mannings number = 0.009	10/9/2013

Contact:
Peter J Kemp
New products / New methods Engineer
Bureau of Technical Services
Division of Transportation Systems Development
Wisconsin Department of Transportation
peter.kemp@dot.wi.gov
Phone: 608-246-7953

Polymer Liquid Binders

Date last edited: 12/6/2014

List of pre-qualified polymer liquid binders for use in polymer overlays

Product Trade Name	Manufacturer or supplier	Phone number
Mark-163 Flexogrid	PolyCarb, Inc.	(866) 765-9227
Sikadur 22 Lo Mod FS	Sika Corporation	(800) 933-7452
Sikadur 22 Lo-mod	Sika Corporation	(800) 933-7452
E-Bond 526 Lo-Mod	E-Bond Epoxies, Inc.	(954) 566-6555
Propoxy DOT Type III	Unitex	(816) 231-7700
Sure Level Epoxy (J-57)	Dayton Superior	(888) 977-9600
ICO Flexi-Coat	International Coatings,	(800) 624-8919
Flexolith	Euclid Chemical Co.	(800) 321-7628
TrafficGuard EP35	BASF	(800) 433-9517

Contact Information:

David Bohnsack
Structure Maintenance Engineer
SW Region La Crosse
E-Mail:
david.bohnsack@dot.wi.gov
(608) 785-9781

PORTLAND CEMENT MANUFACTURERS - CERTIFIED SUPPLIERS

Important: First - Read note at bottom of list !

Date last edited: 10/08/2014

Manufacturer	Mill Location	Cement Types
Buzzi Unicem USA	Cape Girardeau, Missouri	I, II
	Greencastle, Indiana	I, III
	Festus, MO	I, II, III
Continental Cement Company	Hannibal, Missouri	I, II,III
Holcim, Inc	St. Genevieve,Missouri	I, II, IL(10)
	Portland, Colorado	I, II
(St. Lawrence)	Mississauga, Ontario	I
Illinois Cement Company	LaSalle, Illinois	I,III
LaFarge Corporation	Alpena, Michigan	I, II
www.Lafarge.com	Davenport, Iowa	I, II, IS
Lehigh Cement Company	Mason City, IA	I, III
St Marys, Inc.	Charlevoix, Michigan	I, II, III

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.

Contact:
James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI
Phone - (608) 246-7939
E-mail:
mailto:james.parry@dot.wi.gov

Prefabricated Steel Truss Pedestrian Bridges

Date last edited: 8/8/2014

Approved Designer and Supplier	Location
Anderson Bridges	111 Willow Street Colfax, Wi 54730 (715) 962-2800
Big R Manufacturing LLC	P.O. Box 1290 Greeley, CO 80632-1290 (800) 234-0734
Contech Engineered Solutions	8301 State Hwy 29 N Alexandria, MN 56308 (800) 328-2047
Cameron Bridge Works	P.O. Box 89 Elmira, NY 14902 (607) 734-9456
Roscoe Bridge	5405 Momont Road Missoula, MT 59808 (406)-370-2548
Contech Engineered Solutions	4021 Gault Ave.South Fort Payne, AL 35967 (800) 749-7515
Wheeler Lumber LLC	9330 James Ave. South Bloomington, MN 55431 (800) 328-3986
Excel Bridge Manufacturing Co.	12001 Shoemaker Ave. Santa Fe Springs, CA 90670 (800) 548-0054

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

Contact:
Lee Schuchardt
Bureau of Structures

Phone: 608-266-8494
E-mail:
lee.schuchardt@dot.wi.gov

Prestressed Concrete Members

Date last edited: 11/4/2014

Company	Location	Approved Products
County Materials Corporation	Eau Claire, WI	All Prestressed Items
Cretex Concrete Products Midwest, Inc	Elk River, MN	All Prestressed Items
Crest Precast, Inc.	LaCrescent, MN	Wall Panels
Spancrete, Inc.	Valders, WI	All Prestressed Items
County Materials Corporation	Janesville, WI	All Prestressed Items

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.

Company	Location
County Materials Corporation	Roberts, WI
Stress-Con Industries	Kalamazoo, MI
Cretex Concrete Products	Iowa Falls, IA

James Parry, Quality Assurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939

E-mail:
james.parry@dot.wi.gov

Rapid Setting Concrete Patch Material

Date last edited: 12/6/2014

Specific products from the approved list should only be used for applications they are intended for, per the product manufacturer's technical literature. Do NOT use products for vertical or overhead patching that are not designated for this purpose in the manufacturer's technical literature. The primary purpose for the products on this approved list is patching of horizontal surfaces on PCC pavements and bridge decks.

Product Name	Manufacturer & Location	Date Appproved
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	
Dayton Superior Pave Patch 3000	Dayton Superior, Chicago, IL	12/28/2011
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

Contact:
James Parry, Quality Asurance Unit Supervisor
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939
E-mail:
james.parry@dot.wi.gov

Release Agents, Asphaltic Mixtures

Date last edited: 4/08/2014

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

Product Name	Manufacturer & Location	Date Approved
2100 Nutrigent Industr Cleane	Lubrication Engineers, Inc., Fort Worth, T	10/22/1999
#4900 Super Slick	Schaeffer's Specialized Lubricants, St. Louis, MC	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, MC	10/2/2000
AR_92	Emulso Corporation, Buffalo, NY	
AR-611	S&S Industrial Services, Inc., Waukesha, W	
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, W	6/2/2009
Asphalt Release RTU	Brody Chemical, Salt Lake City, UT	6/14/2001
ASPHALT RELEASE-WB	Wausau Chemical Corporation, Wausau, W	4/2/2009
Bio-Clean	Bio-Clean Industries, Aurora, CA	9/26/1997
Bio-Kream	Pristo Chemical Co., Roswell, GA	
Black Magic (1)	BG Chemical	
Black Ice HD	Hydro-Chem Systems, Inc.	4/8/2014
Black Magic for Rubber (1)	BG Chemical	
C 6000 Asphalt Release Agent	Clean State Supply, Spencer, IA	4/17/2012
ChemStation 2061	Chemstation of Wisconsin, Milwaukee, W	4/16/2003
ChemStation 2217	Chemstation of Wisconsin, Milwaukee, W	5/14/2004
ChemStation 2061-A	Chemstation of Wisconsin, Milwaukee, W	4/19/2006
ChemStation 2217-A	Chemstation of Wisconsin, Milwaukee, W	4/19/2006
ChemStation 2087-B	Chemstation of Wisconsin, Milwaukee, W	5/9/2007
ChemStation 2384-B	Chemstation of Wisconsin, Milwaukee, W	5/9/2007
ChemStation 5278	Chemstation of Wisconsin, Milwaukee, W	6/17/2002
ChemStation 5278-2	Chemstation of Wisconsin, Milwaukee, W	8/14/2002
ChemStation 20148	Chemstation of Wisconsin, Milwaukee, W	9/29/2009
ChemStation 20158	Chemstation of Wisconsin, Milwaukee, W	9/29/2009
ChemTek CT 6550	ChemTek, Adel, IA	3/27/2014
20135	ChemStation Inernational, Inc, Dayton, OH	7/16/2009
20136	ChemStation Inernational, Inc, Dayton, OH	7/16/2009
20137	ChemStation Inernational, Inc, Dayton, OH	7/16/2009
67001	ChemStation Inernational, Inc, Dayton, OH	7/16/2009
67002	ChemStation Inernational, 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, MC	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	
ECO PRO "RELEASE"	KEM TECH INDUSTRIES, IINC.	6/17/2010
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, W	4/11/2002
EZ-60	Dubios Chemical, Cincinnati, OH	
EZ Release	Totla Solutions, Milwaukee, W	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	

Product Name	Manufacturer & Location	Date Approved
GERALYN SI ERA	Fuchs Lubricants Co., Kansas City, KS	12/4/2008
Glide Off	Astec Corp., Indianapolis, IN	2/4/1999
Global Chem Source, Corp.	Maxi KREME	5/10/2013
Green Guard	BG Chemical, Dallas, TX	1/8/2014
HD 5565	Chemstation of Wisconsin, Milwaukee, W	
Milonic E-202	Milport Enterprises, Inc., Milwaukee, W	
Milonic ET-15	Milport Enterprises, Inc., Milwaukee, W	
Milonic ET-20	Milport Enterprises, Inc., Milwaukee, W	
Mor-Release M	Morton International, Inc., Chicago, IL	5/5/1999
NCC-SF92	NCC, Inc., Marietta, GA	
No. 1 Asphalt Release Agent	Compound Technologies, Carterville, 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, W	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	Durmmond American, Chilton, W	8/15/2000
Rochester	Midland Corporation, Milwaukee, W	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, MC	
Slipeazee Natural	Rochester Midland, Milwaukee, W	3/10/1997
Slipeazee Satin	Rochester Midland, Milwaukee, W	
Slipeazee SB	Rochester Midland, Milwaukee, W	
Solvox Special 5332	SOLVOX Mfg. Company, Milwaukee, WI	10/1/2000
Solvox Special 5334	SOLVOX Mfg. Company, Milwaukee, WI	10/11/2000
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., Indfianapolis, 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	10/11/2000
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	

(1) BG Chemical bought ChemMark in 2005

Contact:
Barry Paye
WisDOT
3502 Kinsman Blvd
Madison WI, 53704
920-366-1261
barry.paye@dot.wi.gov

RUBBERIZED MEMBRANE WATERPROOFING

Date : 6/10/2014

Membrane Name	Primer	Mastic	Manufacturer Info
Bituthene 3000 Membrane	WP-3000 or Bituthene B2 LVC (1)	Bituthene Mastic	WR Grace and Company
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) Bituthene B2 LVC Primer only when waterproofing with Bituthene systems on "green" concrete (less than 7 days old).

(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 (less than 7 days old).

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

William Dreher
Bureau of Structures
E-Mail:
william.dreher@dot.wi.gov
Phone: 608-266-8489

Safety Edge sm Wedge Maker

Important Note to Designers!
Review Guidance in 11-45-2

Product Name	Manufacturer	Notes
Shoulder Wedge Maker	Transtech Systems, Inc 1-800-724-6306 www.transtechsys.com	Requires shoes for right and left side of paver
Advant-Edger or Ramp Champ	Advant-Edge Paving Equipment LLC 814-422-3343 www.advantedgepaving.com	Shoe can be used on either side of paver Ramp Champ can adjust the angle of the safety edge
Safety Edge End Gate	Carlson Paving Products 253-278-9426 http://www.carlsonpavingproducts.com	Connects to screed Safety Edge End Gate can adjust the angle of the safety edge
Safe-T-Slope Edge Smoother	Troxler Electronic Laboratories, Inc 877-876-9537 http://www.troxlerlabs.com/products/paving.php	Requires shoes for right and left side of paver

Contact:
Erik Emerson P.E.
Standard Development Engineer
Wisconsin Department of Transportation
Office: 608-266-2842
4802 Sheboygan Ave.
Rm 651
P.O. Box 7916
Madison, WI 53707-7916
E-mail:
erik.emerson@.wi.gov

Plastic Guardrail Blockouts

Non Midwest Guard Rail System (MGS) Plastic Blocks for Beam Guard

Product Name	Manufacturer & Location	Date Approved
Lifetime Block outs	Lifetime Lumber Products Division of Jomarico, Inc. 3407 Oak Alley Ct. #503 Toledo, OH 43606	10/17/2001
Mondo Block (GB14SH TB21SH)	Mondo Polymer Technologies 27620 State Rt. 7 P.O. Box 250 Reno, OH 45773 (888) 607-4790	10/17/2001
P-Block	Monroeville Industrial Moldings, Inc. PIPO Inc. 75 Ontario Street Norwalk, Ohio 44857 419.668.1820 office	12/13/2011
PL6814R	Ramco International P.O. Box 9625 Pittsburgh, PA 15226 (302) 539-0414	10/17/2001
Valley Rubber	Valley Rubber P.O. Box 1209 Hartsell, AL 35640 (800) 622-5667	10/17/2001
Eco-Block	ECO-Composites LLC 1769 Hayes Road Grand Haven, MI 49417 (616)-844-2001 voice	12/17/2002
King Blocks	Trinity Industries 1170 North State St. Girard, OH 44420	8/22/2011

Midwest Guard Rail System (MGS) Plastic Blocks for Beam Guard

Product Name	Manufacturer & Location	Date Approved
Monroeville 12 inch MSG Composite Block	Monroeville Industrial Moldings 75 Ontario Street Norwalk, OH 44857	5/17/2012
Mondo Polymer Blockout for (MGS14SH)	Mondo Polymer Technologies 27620 State Rt. 7 Reno, OH 45773 Phone: (888) 607-4790	3/17/2014

Note - The above blocks are not compatible with Midwest Guard Rail Systems (MGS)

Contact:
Erik Emerson P.E.
Standard Development Engineer
Wisconsin Department of Transportation
4802 Sheboygan Ave.
Rm 651
Office: 608-266-2842

Minimum documents that are required for BPD 's approval review are: crash test report, FHWA's Eligibilty letter, and results of ASTM D4218 carbon black testing.
Providing documentation for BPD does not automatic grant approval.

TEMPORARY RAISED PAVEMENT MARKERS

Date last edited: 7/22/2013

Manufacturer	Product Name/model
Apex Universal, Inc. 11033 Forest Pl. Santa Fe Springs, CA 90670	Apex 921 Series
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

Joyce M Murphy, PE
State Materials Engineer
Bureau of Traffic Operations
joyce.murphy@dot.wi.gov
(608)261-8631 (Madison)
(414)227-4665 (Milwaukee)

Warm Mix Additives - Approved Products and Processes

At this time any/all products or processes are approved if meeting the definition in WisDOT standard spec 450.2.1 and the requirements for production in 460.2.4.4

The products and suppliers listed below are provided as additional reference. This listing is not intended to be exclusionary rather informational.

Updated Last:12-16-13

Product or System ID	Supplier/Manufacturer
Accu-Shear Dual Warm Mix Additive System	Stansteel
AD-here LOF 65-00 with Cecabase RT 945	Road Science LLC
Advera WMA	PQ Corporation
AkzoNobel's chemical additive, Rediset LQ 1102C	Akzo Nobel Surface Chemistry LLC
Aquablack Warm Mix Asphalt	Maxam Equipment Inc
BituTech PER	Engineered Additives
CECABASE RT	Arkema Group
Double Barrel Green System	Astec Industries
ECOBIT	All States Materials Group
Eco-Foam II	AESCO/Madsen
Evotherm	MeadWestvaco Asphalt Innovations
Green Machine	Gencor Industries
HGrant Warm Mix System	Herman Grant Company
Iterlow T (Hyper-Therm/Qualitherm)	Iterchimica
LEA-CO	Advanced Concepts Engineering Co
LEADCAP	Kumho Petrochemical and Korea Institute of Construction Technology
Low Emission Asphalt	McConnaughay Technologies
Meeker Warm Mix	Meeker Equipment Corp. Inc
Sasobit	Sasol Wax North America Corporation
Shell Thiopave	Shell
SonneWarmix	Sonneborn Products
Tri-Mix Warm Mix Injection	Tarmac Inc
Warm Mix Asphalt System	Terex Roadbuilding
Zyco-Therm	Zydex Industries

Contact information:

Barry Paye
WisDOT
3502 Kinsman Blvd
Madison WI, 53704
920-366-1261
barry.paye@dot.wi.gov

Judie Ryan
WisDOT
3502 Kinsman Blvd
Madison WI, 53704
608-246-5456
judith.ryan@dot.wi.gov