



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:

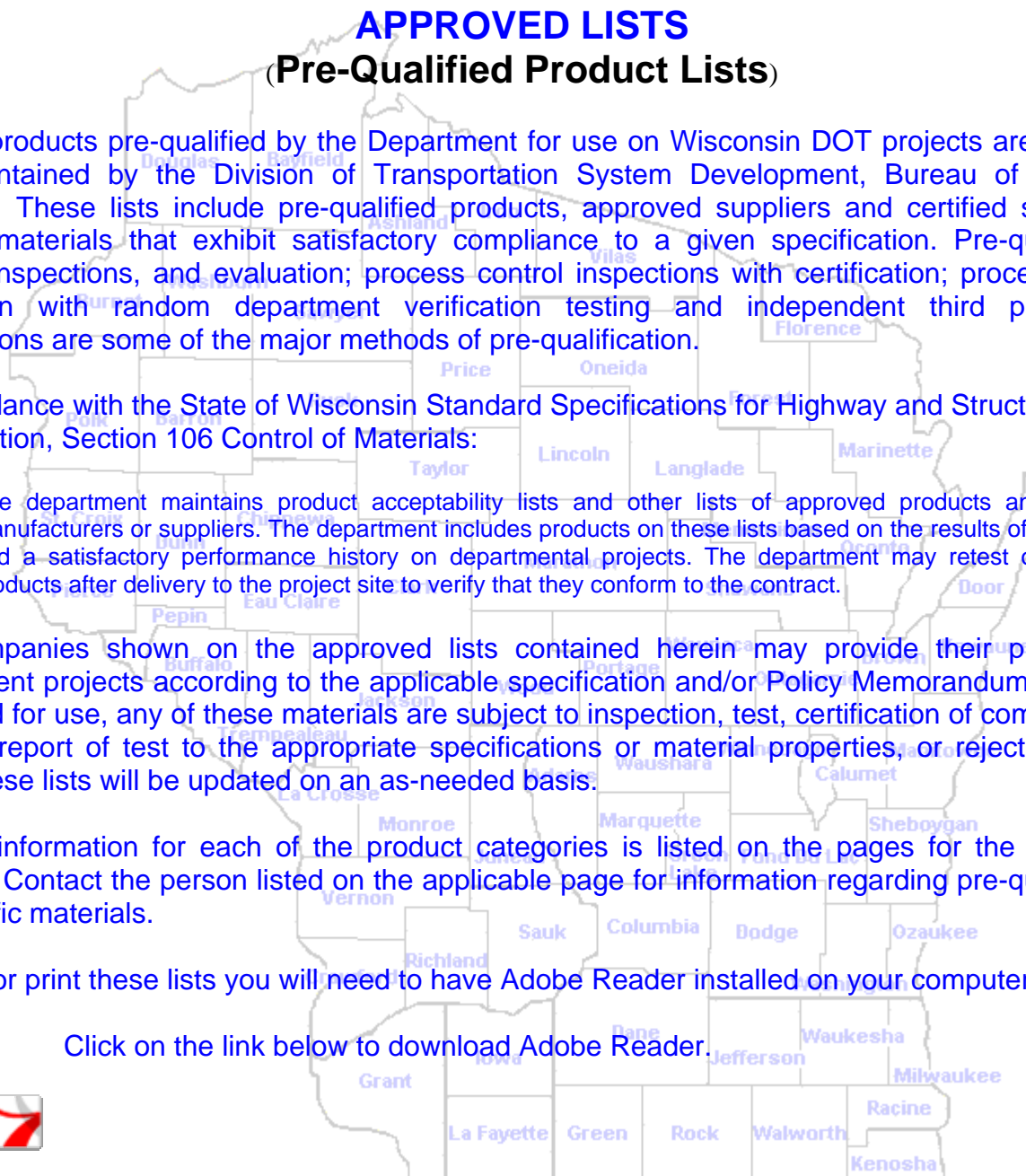
The department maintains product acceptability lists and other lists of approved products and approved manufacturers or suppliers. The department includes products on these lists based on the results of prior testing and a satisfactory performance history on departmental projects. The department may 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.

To view or print these lists you will need to have Adobe Reader installed on your computer.

Click on the link below to download Adobe Reader.





Year 2006
QUALIFIED PRODUCT LISTS , CERTIFIED SUPPLIERS AND SOURCES
FOR USE ON WISDOT HIGHWAY PROJECTS



11/14/2006

PAGE #	
2	AASHTO-M194, Type A Water Reducers
2	Air Entraining Admixtures
3	Approved Fabricators, Bridge Metal Secondary Items
4	Asphalt Cement - Certified Suppliers
Link	Beam Guard- Prequalified Inventories
5	Block and Brick
6	Castings, Gray Iron
2	Concrete Admixtures
7	Concrete Barrier Systems, Temporary
8	Concrete Masonry Anchors, Type L
9	Concrete Pipe Products
10	Concrete Protective Surface Treatment
11	Corrugated Metal Pipe Products
12	Corrugated Polyethylene Culvert Pipe
13	Corrugated Polyethylene Drainage Pipe
14	Crash Attenuator - Sand Barrel Systems
15	Crash Cushions
16	Curb Ramp Detectable Warning Field
17	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
18	Energy Absorbing Terminals for Beam Guard
19	Epoxy Coatings for Bar Steel Reinforcement
20	Epoxy Pavement Marking Material, Qualified products
Link	Erosion Control Product Acceptability List
21	Flexible Delineator Posts - Permanent
22	Flexible Tubular Markers - Surface Mounted

PAGE #	
Link	Glass Beads - Summary of Tested and Approved batches
2	M194 Type D Water Reducers
23	Manhole, Inlet, Catch Basin Adjustment Products
Link	Noise Barrier Systems
24	Non-Shrink Commercial Grout
Link	Paint Systems- New Structural Steel
Link	Paint Systems - Structure Maintenance Painting
27	Pavement Marking Grooved Wet Reflective Tape
Link	Pavement Marking Materials, Permanent- Qualified Products List
28	Pile Points
Link	Pipe and Precast Products
29	Pipe Liners, Culvert- Manning Coeff. Certification
30	Portland Cement Manufacturers- Certified Suppliers
31	Pozzolans - Approved Manufacturers
32	Precast Catch Basins, Inlets and Manholes
33	Preformed Thermoplastic Marking Material
34	Prestressed Concrete Members
35	Rapid Set Concrete Patch
36	Raised Pavement Marker Castings
37	Raised Pavement Marker Reflectors
38	Release Agents, Asphaltic Mixtures
39	Plastic Guardrail Blockouts
40	Rubberized Membrane Waterproofing
Link	Solventborne Paints
41	Temporary Pavement Marking, Removable Tape
42	Temporary Raised Pavement Markers
Link	Wall Systems
Link	Waterborne Paints

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: 8-22-2006			
Manufacturer	Air-Entraining Admixtures (AASHTO M154)	Water Reducers (AASHTO M194 - Type A)	Water Reducing Set Retarders (AASHTO M194 - Type D)
Axim Concrete Technologies Middlebranch, Ohio	Catexol AE 260 Catexol AE 360 Catexol VR	Catexol 3500N Catexol 800N Catexol 2000 Ni	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	Pozzolith 220N ⁽¹⁾ Polyheed 997 ⁽¹⁾ Masterpave Polyheed 1020 Polyheed 1025	Pozzolith 220N ⁽¹⁾ Pozzolith 100 XR Delvo Stabilizer
(2) formerly Degussa Admixtures Inc.(formerly Master Builders)		(1) Note: these products will be removed from the list on 12/31/2006	
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 Cleveland OH	AEA-92 Air Mix 200 Air Mix 250	Eucon MR Eucon WR Eucon WR-91	Eucon WR Eucon WR-91
General Resource Technology Eagan MN	Polychem AE Polychem VR	Polychem 1000 Polychem KB1000 Polychem 400NC	Polychem R
Pro Mix Technologies P.O. Box 6 Allen, TX 75013 972-772-6010 www.promixtech.com	Pro Air 260	Enviromix i40 Plastimix MRP Plastimix 250	Plastimix 100R
Russtech Admixtures Inc Louisville KY	RSA-10 RVR-15	LC-400 LC-400P FinishEase-NC	LC-400R
Sika Corporation	Sika AER AEA-15 Sika AIR	Sikament 686 Plastocrete 169 Plastocrete 161	Plastiment Plastocrete 161MR
W R Grace and Company Cambridge MA	Darex II AEA Daravair 1000 Daravair M	Daracem 65 Daracem 50 WRDA 82	WRDA with HYCOL Daratard 17

Contact:
James Parry, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

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

APPROVED FABRICATORS, BRIDGE METAL SECONDARY FABRICATION ITEMS

Date last edited: 1/31/2006

<u>Approved Fabricator</u>	<u>Location</u>
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
RDLW Landscaping, LLC	Cottage Grove, WI
Visten Co., Inc. ⁽¹⁾	Oshkosh, WI

(1) Formerly Viking Steel

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:

Craig Wehrle, Metals & Fabrication Inspection Supervisor

Phone: (608)266-8487

E-Mail:

craig.wehrle@dot.state.wi.us

Mike Wood, Metal Fabrication Specialist

Phone: (608)-266-5164

E-Mail:

michael.wood@dot.state.wi.us

ASPHALT CEMENT - CERTIFIED SUPPLIERS

Date last edited: 8/4/2006

Supplier	Shipping Location
Asphalt Operating Sevcies, LLC	Bartlett, IL
Barton Enterprises	Newport, MN
Bituminous Materials & Supply	Des Moines, IA
Bituminous Materials & Supply	Tama, IA
Border Chemical CO LTD	Winnipeg, MB
BP	Bay City, MI
BP	Milwaukee, WI
BP	Portage, WI
BP	South Bend, IN
BP	Oregon, OH
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	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
Laketon Refining	Laketon, IN
Mararthon Ashland Pet. LLC	Detroit, MI
Mararthon Ashland Pet. LLC	St Paul Park, MN
Mararthon Ashland Pet. LLC	Trumbull, MI
Mararthon Ashland Pet. LLC	Utica, IL
McAsphalt Ind. LTD	Thunder Bay, Ontario
McAsphalt Ind. LTD	Winnipeg, Manitoba
Michigan Paving and Materials Co.	Monroe, MI
Middle Port Terminal	Toledo, OH
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
Pioneer Oil CO.	Billings, MT
Pounders Emulsions	Yorkton, Sask
Sem Materials LP (CPE)	Forestview, IL
Sem Materials LP (IMTT)	Lemont, IL
Seneca Petroleum Company	Lemont, IL
Seneca Petroleum Company	Portage, IN
Seneca Petroleum Company	Toledo, OH
Sinclair Oil Corporation	Casper, WY
Terry Materials	Alma, MI
Westway Terminal Company, Inc.	St.Paul, MN

Contact:
 Thomas Brokaw, Asphalt, Aggregate & Soils Engineer
 3502 Kinsman Blvd
 Madison, WI

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

BRICK and BLOCK

Date last edited: 7/27/2006

<u>Company</u>	<u>Location</u>	<u>Color Marking</u>	<u>Expiration Date</u>
County Materials Corp ⁽¹⁾	Menomonee Falls, WI	Pink-- Approved for Concrete brick and Barrel blocks	8/1/2005
County Materials Corp ⁽²⁾ Distributors	Marathon City, WI	Heritage red ⁽³⁾	7/1/2007
County Materials Corp ⁽²⁾	Wausau, WI	Heritage red ⁽³⁾	7/1/2007
County Materials	Madison, WI	Heritage red ⁽³⁾	7/1/2007
County Materials	Stevens Point, WI	Heritage red ⁽³⁾	7/1/2007
County Materials	Waukesha, WI	Heritage red ⁽³⁾	7/1/2007

(1) Formerly Best Block

(2) Formerly Wausau Concrete and Supply

(3) 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

Contact:

Kenneth Nwankwo, Quality Operations Engineer
 3502 Kinsman Blvd
 Madison, WI
 Phone - (608) 246-5388
 E-mail:
kenneth.nwankwo@dot.state.wi.us

James Parry, Physical and Chemical Tests Engineer
 3502 Kinsman Blvd
 Madison, WI
 Phone - (608) 246-7939
 E-mail:
james.parry@dot.state.wi.us

CASTINGS, GRAY IRON

Date last edited: 3/7/2006

<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:

**Kenneth Nwankwo, Quality Operations Engineer
3502 Kinsman Blvd
Madison, WI**

Phone - (608) 246-5388

E-mail:

kenneth.nwankwo@dot.state.wi.us

CONCRETE BARRIER SYSTEMS, TEMPORARY

Date last edited: 2/21/2006

The below listed concrete barrier systems may be furnished as an acceptable alternate to the concrete barrier temporary system shown in standard detail drawing Concrete Barrier Temporary Precast, 12'-6" (STSP 603-010)

<u>Product Name</u>	<u>Manufacturer</u>
J-J Hooks Highway Safety Barrier System, Type F-shape	Easi-Set Industries, P.O. Box 300 Midland, VA 22728

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/longbarriers.htm>

Contact:

Jerry Zogg

Bureau of Project Development

Phone: (608) 266-3350

E-Mail:

jerry.zogg@dot.state.wi.us

Concrete Masonry Anchors, Type L

Date last edited: 11/15/2006

Product Name	Manufacturer	Supplied by:
AC 100 Plus ⁽⁴⁾	Powers Fasteners, Inc 2 Powers Lane Brewster, NY 10509 914-235-6300 http://www.powers.com/	Powers Milwaukee 12020 W. Feerick Street Milwaukee, WI 53222 Contact: Donn Raduenz phone: 414-466-2400
LOKSET Resin cartridge anchors ⁽¹⁾ Anchortite	Minova USA Georgetown , Kentucy	DYWIDAG SYSTEMS Contact: Terence Lee phone: 630-972-4036
Dupont FASLOC Resin cartridge anchors	Dupont, Inc.	
HIT RE 500 ⁽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) HIT RE 500 is restricted for use for temperatures between 45 degrees F and 120 degrees F (internal concrete and ambient air temperature)
 The Hilti HIT RE epoxy adhesive has a recommended shelf life of 9 months when stored in manufacturers unopened cartridge at temperatures between 23 degrees F and 77 degrees F. Refer to the date on the containers.
 (4) AC 100 Plus has a shelf life of 18 months when stored in unopened containers between 14 degrees F and 86 degrees F. Refer to the date on containers.

Contact:
 Lee Schuchardt
 Bureau of Structures
 Phone: 608-266-8494
 E-mail:
lee.schuchardt@dot.state.wi.us

CONCRETE PIPE PRODUCTS

Date last edited: 7/12/2005

<u>Company</u>	<u>Location</u>	<u>Expiration Date</u>
American Concrete Pipe Company	Green Bay, WI	6/15/2006
American Concrete Pipe Co.	Milwaukee, WI	7/1/2005
Hancock Concrete Products	Cannon Falls, MN	5/1/2005
County Materials Corporation ⁽²⁾	Holmen, WI	6/15/2006
Madison Concrete Pipe, Inc.	Madison, WI	7/31/2006
Northwind Concrete Products, Co.	South Beloit, IL	7/31/2006
Cretex Concrete Products Midwest, Inc. ⁽¹⁾	Waukesha, WI	7/1/2005
Wausau Concrete Company, Inc.	Wausau, WI	7/1/2006
Wieser Concrete	Maiden Rock, WI	8/1/2005
Welch Bros. Belvidere, Inc.	Belvidere, IL	7/31/2005

(1) formerly Waukesha Concrete Pipe Products

(2) formerly Holmen, Inc.

Contact:

Kenneth Nwankwo, Quality Operations Engineer
 3502 Kinsman Blvd
 Madison, WI

Phone - (608) 246-5388

E-mail:

kenneth.nwankwo@dot.state.wi.us

James Parry, Physical and Chemical Tests Engineer
 3502 Kinsman Blvd

Madison, WI

Phone - (608) 246-7939

E-mail:

james.parry@dot.state.wi.us

Concrete Protective Surface Treatment

Date last edited: 2/6/2006

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Aqua-Treat BSM 20	Degussa, Inc	3/16/2001(mfg. name change 4/7/2003)
Barcade 16 Siloxane		** Pre-1999
Deck A Pell 15	Chemprobe Coating Systems 2805 Industrial Lane Garland TX 75041 Phone: 800-760-6776 www.chemprobe.com	1/9/2006
Penseal 244 40%	Vexcon Chemical	** Pre-1999
Eucoguard 100		** Pre-1999
Hydrozo Enviroseal 20	ChemRex, Inc.	** 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
Nitecote Dekguard P-40		** Pre-1999
Aquanil Plus 40	Chemmasters	3/16/2001
Barcade 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-290-WDOT (or TK-290-16)	TK Products	** Pre-1999
TK-290-WDOT E	TK Products	3/16/2001
TK-290-WBG	TK Products	3/16/2001
Powerseal 40%	Vexcon Chemical	**Pre-1999
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

Contact:
James Parry, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

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

Corrugated Metal Pipe Products

Date last edited: 8/23/2006

<u>Company</u>	<u>Location</u>	<u>Expiration Date</u>
Contech Construction Products, Inc.	Portage, WI	6/1/2007
Illowa Culvert Supply	Low Moor, IA	6/1/2006
* Johnston Fargo Culvert, Inc.	Blaine, MN	8/3/2007
Metal Culverts, Inc.	Evansville, WI	6/1/2007
County Materials Corporation	Wausau, WI	7/1/2007

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

Contact:

Kenneth Nwankwo, Quality Operations Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-5388

E-mail:

kenneth.nwankwo@dot.state.wi.us

James Parry, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939

E-mail:

james.parry@dot.state.wi.us

Corrugated Polyethylene Culvert Pipe

Date: 10/26/2006

<u>Manufacturer</u>	<u>Approved Pipe Sizes</u>	<u>Date Approved</u>	<u>Supplier</u>
Advanced Drainage Systems, Mendota, IL	300mm(12-Inch) 375mm(15-inch) 450mm(18-inch) 600mm(24-inch)	8/1/2006 8/1/2006	
Advanced Drainage Systems, Eagle Grove, IA	750mm(30-inch)	8/1/2006	
Quality Culvert, Astatula, FL	300mm(12-Inch)	10/26/2006	County Materials
Wisconsin Tubing - Omro, WI	300mm(12-Inch) 375mm(15-inch)		

Follow the Construction and Materials Manual procedures(section 4-25-30) for acceptance of a pipe not on the approved list. 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.

Contact:

Kenneth Nwankwo, Quality Operations Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-5388

kenneth.nwankwo@dot.state.wi.us

James Parry, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939

E-mail:

james.parry@dot.state.wi.us

Corrugated Polyethylene Drainage Pipe

Date last edited: 6/15/2006

<u>Manufacturer</u>	<u>Approved Pipe Sizes</u>	<u>Date Approved</u>
Wisconsin Tubing, Omro, WI	6-inch(150 mm) perforated	4/21/2006
	6-inch(150 mm)	4/21/2006
	8-inch (200 mm)	4/21/2006
	12- inch(300 mm)	4/21/2006
	4-inch(100 mm) Type C	5/16/2006
Advanced Drainage Systems(ADS), Mendota, IL	6-inch(150 mm) perforated, Type CP	5/25/2006

Follow the Construction and Materials Manual procedures(4-25-30) for acceptance of pipe not on the approved list or not marked AASHTO M252. 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.

Approval of pipe on this list is only valid for the current year.

Contact:

Kenneth Nwankwo, Quality Operations Engineer
 3502 Kinsman Blvd
 Madison, WI
 Phone - (608) 246-5388
 E-mail:
kenneth.nwankwo@dot.state.wi.us

James Parry, Physical and Chemical Tests Engineer
 3502 Kinsman Blvd
 Madison, WI
 Phone - (608) 246-7939
 E-mail:
james.parry@dot.state.wi.us

Crash Attenuator - Sand Barrel Systems

Date last edited: 10-23-2006

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>
Traffix Sand Barrel System	Traffic Devices, Inc.
Energite III	Energy Absorption, Inc.
Fitch	Roadway Safety Service

Contact:

Jerry Zogg

Bureau of Project Development

Phone: (608) 266-3350

E-Mail:

jerry.zogg@dot.state.wi.us

CRASH CUSHIONS

Date last edited: 10-23-2006

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	Eneqry Absorption Systems, Inc. One East Wacker Drive Chicago, IL 60601 www.eneqryabsorption.com	
REACT - 350	Eneqry Absorption Systems, Inc. One East Wacker Drive Chicago, IL 60601 www.eneqryabsorption.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

Contact:
Jerry Zogg
Bureau of Project Development
Phone: (608) 266-3350
E-Mail:
jerry.zogg@dot.state.wi.us

Curb Ramp Detectable Warning Field

Date last edited: 8/4/2006

Product Name	Acceptable Colors	Manufacturer	Distributor	Remarks	Date Approved
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:
Peter J Kemp
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.state.wi.us
Phone: 608-246-7953
fax: 608-246-4669

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

Date last edited: 8/28/2006

PERMANENT PRODUCTS FOR GENERAL USE

Product Name	Manufacturer	Date Approved
Duraguard 105- Clear	Chemmasters	4/1/2001
Duraguard 105- Gray	Chemmasters	4/1/2001
Tamms Clearseal 300	The Euclid Chemical Company ⁽¹⁾ 19218 Redwood Road Cleveland, Ohio 441100 800-321-7628 http://www.euclidchemical.com/	4/18/2003
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
Certivex AC 1315 HG	Vexcon Chemicals	4/18/2003 (name change 5-27-2003)
Certivex AC 1315 Concrete Stain	Vexcon Chemicals	4/18/2003

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
TK 2519 DC WB	TK Products	12/1/2001

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, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939

E-mail:

james.parry@dot.state.wi.us

ENERGY ABSORBING TERMINALS FOR BEAM GUARD

Date last edited: 2-21-2006

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:

Jerry Zogg
Bureau of Project Development
Phone: (608) 266-3350
E-Mail:
jerry.zogg@dot.state.wi.us

Epoxy Coating Bar Steel Reinforcement

Date last edited:5/2/2003

<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 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, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939

E-mail:

james.parry@dot.state.wi.us

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:
 Debby Kozol, P.E.
 Traffic Operations Engineer
 Bureau of Highway Operations
 Phone: (608) 266-5096
 E-Mail:
deborah.kozol@dot.state.wi.us

Flexible Delineator Posts

Flexible Delineator Posts

Date last edited: 6/9/2003

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Model SH248GP3 - WS (white)	Safe - Hit	1/1/2003
Model SH248GP3 - YA (yellow)	Hayward, CA	1/1/2003
Model FG-566-PA -W1 (white)	Davidson Plastics	1/1/2003
Model FG-566-PA -Y1 (yellow)	Tacoma, WA	1/1/2003
Survivor Post Model CDS306601 (white)	Carsonite International	1/1/2003
Survivor Post Model CDS306602 (yellow)	Early Branch , SC	1/1/2003
Curv-Flex, Model CFR406601 (white)	Carsonite International	1/1/2003
Curv-Flex, Model CFR406602 (yellow)	Early Branch , SC	1/1/2003

Contact:

Debby Kozol, P.E.

Traffic Operations Engineer

Bureau of Highway Operations

Phone: (608) 266-5096

E-Mail:

deborah.kozol@dot.state.wi.us

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
 E-Mail:
thomas.notbohm@dot.state.wi.us

Manhole, Inlet, Catch Basin Adjustment Products

Date last edited: 10/1/2001, 10/17/2001

<u>Product Type</u>	<u>Product Name</u>	<u>Manufacturer</u>	<u>Remarks</u>	<u>Date Approved</u>
Rubber Adjustment Riser Rings	Infra -RISER	GNR Technologies 990 Upton Lasalle, QC., H8R 2T9 800-641-4143	Use with GNR Polyurethane sealant only if sealant is used.	9/24/2001
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

Contact:
 Peter J Kemp
 New products / New methods Engineer
 Technology Advancement Unit
 Division of Transportation Infrastructure Development
 Wisconsin Department of Transportation
peter.kemp@dot.state.wi.us
 Phone: 608-246-7953

Non-Shrink Commercial Grout

Date last edited: 3/15/2006

<u>Product Trade Name</u>	<u>Source & Location</u>	<u>Date Approved **</u>
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
Sonogrout 10K	ChemRex, Inc. Shakopee, MN	12/30/2002
Sealtight CG-86	W.R. Meadows, Inc. P.O. Box 338, Hampshire, IL	11/2/1999
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

Contact:

James Parry, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939

E-Mail:

james.parry@dot.state.wi.us

Paint Systems for New Structural Steel

Qualified Paint Sources and Products

Lists of Qualified Paint Systems and sources are contained in the below noted standardized special provision (STSP) documents:

<u>STSP Number</u>	<u>Item Number</u>	<u>Description</u>
517-040		Painting Epoxy System
517-045	517.0700.S	Painting Vinyl System

WisDOT LAN users can link to the STSP list on the DOTNET at:

http://dotnet/dtidcons/std_dev/stsp/stspmain.htm

Standardized special provisions are available for WisDOT eligible engineering consultants, city, county and municipal staff to download as zipped files on the WisDOT Extranet at:

<https://trust.dot.state.wi.us/extntgtwy/consultants/stsp.htm>

Contact:

Finn Hubbard
Bureau of Structures

Phone: 608-266-8489

E-mail:

finn.hubbard@dot.state.wi.us

Approved Paint Systems - Structure Maintenance Painting

Lists of Qualified Paint Systems and sources are contained in the below noted standardized special provision (STSP) documents:

<u>STSP Number</u>	<u>Item Number</u>	<u>Description</u>
517- 025	517.1000.S	Structure Repainting Organic Zinc Rich System
517- 036	517.3000.S	Structure Overcoating Cleaning and Priming, Structure
517- 041		Painting Epoxy System
517- 050	517.1800S	Structure Repainting Recycled Abrasive, Structure

WisDOT LAN users can link to the STSP list on the DOTNET at:

http://dotnet/dtidcons/std_dev/stsp/stspmain.htm

Standardized special provisions are available for WisDOT eligible engineering consultants, city, county and municipal staff to download as zipped files on the WisDOT Extranet at:

<https://trust.dot.state.wi.us/extntgtwy/consultants/stsp.htm>

Contact:

Bruce Karrow

Bureau of Structures

Structures Maintenance Section

Phone - (608) 266-8488

E-mail: bruce.karow@dot.state.wi.us

Pile Points

Date last edited: 11/10/2006

Furnish one of the following H-Pile Points:

Company	Product Name/model
Associated Pile & Fitting Corporation	Hard-Bite Point, Model HP-77750 Hard-Bite Point, Model HP-77600 Hard-Bite Point, Model HP-7780-B
DFP	Tuftp H-776 Tuftp H-777
Versabite Foundation Accessories	VB300PC
Versa Steel, Inc.	VS310 VS312 VS314
Construction Supply Company	HT 3300

Furnish one of the following conical Pile Points:

Company	Product Name/model
Versabite Foundation Accessories	VB900 VB9005
Associated Pile & Fitting Corporation	Model P-14006 Model P-13006
DFP	P-77R
Construction Supply Company	CP-9900

Contact Information:

Finn Hubbard
Bureau of Structures
E-Mail: finn.hubbard@dot.state.wi.us
Phone: 608-246-8489

Culvert Pipe Liners- Prequalification to Manning's Coefficient

Date last edited: 7/6/2006

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
---------------	--	--	--------------------------------------	-----------

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 763-780-1760 - voice 763-780-1763 - fax www.johnstonculvert.com	Test ave. of Mannings number = 0.00936	4/30/2004
-----------	--	--	--	-----------



Contact:
 Peter J Kemp
 New products / New methods Engineer
 Technology Advancement Unit
 Division of Transportation Infrastructure Development
 Wisconsin Department of Transportation
peter.kemp@dot.state.wi.us
 Phone: 608-246-7953

PORTLAND CEMENT MANUFACTURERS - CERTIFIED SUPPLIERS

Important: Read note at bottom of list !

Date last edited: 9/22/2006

<u>Manufacturer</u>	<u>Mill Location</u>	<u>Cement Types</u>
Buzzi Unicem USA	Cape Girardeau, Missouri	I, II
	Greencastle, Indiana	I, III
	Oglesby, IL	I, III
Holcim, Inc (St. Lawrence) (Cementos, Lima) (Daewoo Cement Co.)	Theodore, Alabama	I, II
	Clarksville, Missouri	I, I(SM)
	Mason City, Iowa	I, I(SM)
	Mississauga, Ontario	I
	Dundee, Michigan	I
	Lima, Peru	I
	Shandong, China	I, II
Illinois Cement Company	LaSalle, Illinois	I, III
LaFarge Corporation (Elephant Brand- Kaeng Khoi Plant) (Siam City Cement)	Alpena, Michigan	I, II, III
	Davenport, Iowa	I, II, I(SM)
	Joppa, Illinois	I, II
	Milwaukee, WI	I(SM)
	Mylaki , Greece	I, II
	Shanshui, China	I, II
	Siam Cement, Thailand	I
	Saraburi, Thailand	I,II
Sugar Creek, Missouri	I, II, III	
St Marys, Inc.	Bowmanville, Ontario	I
	Charlevoix, Michigan	I
	Dixon, IL	I, I(SM)
	Milwaukee, Wisconsin	I

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, Physical and Chemical Tests Engineer
 3502 Kinsman Blvd
 Madison, WI
 Phone - (608) 246-7939
 E-mail:
james.parry@dot.state.wi.us

POZZOLANS - Approved Manufacturers

Important: Read note at bottom of list !

Date last edited: 8/20/2001

<u>Manufacturer</u>	<u>Product Name</u>
Minergy Products LLC, Milwaukee WI	Badger Pozz

DO NOT combine pozzolans or use pozzolans with fly ash in the same mix. Refer to Supplemental Specification 2001 edition for additional information on the use of pozzolans

Contact:

**James Parry, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI**

Phone - (608) 246-7939

E-mail:

james.parry@dot.state.wi.us

Precast Catch Basin, Inlets, Manholes

Date last edited: 7-12-2005

<u>Company</u>	<u>Location</u>	<u>Expiration Date</u>
American Concrete Pipe Company	Milwaukee, WI	7/1/2005
American Concrete Pipe Company	Green Bay, WI	6/15/2006
Concrete Industries, Inc.	Green Bay, WI	6/15/2006
County Materials Corporation ⁽⁴⁾	Holmen, WI	6/15/2006
Kropp Concrete Products	Green Bay, WI	6/15/2006
Madison Concrete Pipe, Inc.	Madison, WI	7/31/2006
Modern Building Materials, LLC ⁽¹⁾	Kenosha, WI	7/1/2005
Northwind Concrete Products, Co.	South Beloit, IL	7/31/2006
Cretex Concrete Products Midwest, Inc. ⁽²⁾	Waukesha, WI	6/15/2005
Wausau Concrete Company ⁽³⁾	Wausau, WI	7/1/2006
Wieser Concrete	Maiden Rock, WI	8/1/2005
Wisconsin Concrete Pipe	Kiel, WI	6/15/2006

(1) also Fox Lake, IL plant

(2) formerly Waukesha Concrete Pipe Products

(3) Includes 2", 4", & 6" concrete adjustment rings

(4) formerly Holmen, Inc.

Contact:

Kenneth Nwankwo, Quality Operations Engineer
 3502 Kinsman Blvd
 Madison, WI

Phone - (608) 246-5388

E-mail:

kenneth.nwankwo@dot.state.wi.us

James Parry, Physical and Chemical Tests Engineer
 3502 Kinsman Blvd
 Phone - (608) 246-7939
 E-mail:
james.parry@dot.state.wi.us

Preformed Thermoplastic Marking Materials

Date: 12-28-2004

<u>Manufacturer</u>	<u>Product Name/brand</u>
Ennis Paint, Inc 3550 Agricultural Center Dr. St. Augustine, FL 32092	Flametape
Zumar Industries P.O. Box 44549 Tacoma, WA 98444	HotTape
Flint Trading 115 Todd Court Thomasville, NC 27360	Premark Plus

Contact:

Debby Kozol, P.E.

Traffic Operations Engineer

Bureau of Highway Operations

Phone: (608) 266-5096

E-Mail: deborah.kozol@dot.state.wi.us

deborah.kozol@dot.state.wi.us

Prestressed Concrete Members

Date last edited: 5/13/2004

<u>Company</u>	<u>Location</u>
Spancrete, Inc.	Green Bay, WI
County Prestress Corporation	Eau Claire, WI

Refer to the Construction and Materials Manual 4-25-80 for acceptance guidelines.
Each delivery requires a shipping document marked or stamped with the plant certification and satisfactory visual inspection by the project manager.

Contact:

Kenneth Nwankwo, Quality Operations Engineer
3502 Kinsman Blvd
Madison, WI



Phone - (608) 246-5388

E-mail:

kenneth.nwankwo@dot.state.wi.us

James Parry, Physical and Chemical Tests Engineer
3502 Kinsman Blvd
Madison, WI

Phone - (608) 246-7939

E-mail:

james.parry@dot.state.wi.us

Rapid Setting Concrete Patch Material

Date last edited: 11/14/2006

<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	8/22/2000
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	
Polypatch	Symons Corporation, Des Plaines, IL	
Pave Patch 3000	Conspec Manufacturing and Marketing, Kansas City, KS	10/2/2000
Rapid Road Repair	Quikrete Wisconsin, Inc., Sussex, WI	
Set 45	ChemRex, Inc., Shakopee, MN	
Monopatch	Bindan Corporation	

Contact:
 James Parry, Physical and Chemical Tests Engineer
 3502 Kinsman Blvd
 Madison, WI

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

RAISED PAVEMENT MARKER CASTINGS

Date last edited:4/17/2003

<u>Manufacturer</u>	<u>Product Name/model</u>	<u>Dimensions(inches)</u>
Avery Denison (Formerly Amerace Stimsonite) Niles, Illinois	Permanent: Model 94(Plow One Direction) Permanent: Model 101LP(Plow Two Directions)	10L x 5.5W x1.81H 10L x 5.5W x1.76H
Hallen Products Gurnee, IL	Ironstar Model 664 Low Profile Model H1010 Low Profile	7.75L x 5.86W x1.34H 10.03L x 5.5W x 1.75H
Nightline Markers Schaumburg, IL	Nightline B-250	10L x 5.6W x1.75H
Ray-O-Lite Heath, Ohio	Ray-O-Lite Model 300 Snow-Lite	7.88L x 6W x 1.5H

NOTE: Approved reflectors for use on the above castings are listed on the Raised Pavement Marker Reflector list

Contact:
 Debby Kozol, P.E.
 Traffic Operations Engineer
 Bureau of Highway Operations
 Phone: (608) 266-5096
 E-Mail: deborah.kozol@dot.state.wi.us
deborah.kozol@dot.state.wi.us

RAISED PAVEMENT MARKER REFLECTORS

Date last edited: 4/17/2003

Manufacturer	Product Name/model	Dimensions(inches)	Remarks
Avery Denison (Formerly Amerace Stimsonite) Niles, Illinois	940 (98 casting)	3.95L x 1.616W x0.41H	Marked Stimsonite on reflector
	944 (96 & 101 casting, Ironstar, Nightline B-250)	3.96L x 1.91W x0.4H	Marked Stimsonite on reflector
	944 (Model H1010 casting- low profile)	3.96L x 1.91W x0.4H	Marked Stimsonite on reflector
	944 (Ray-O-Lite Model Snow-Lite casting)	3.96L x 1.91W x0.4H	Marked Stimsonite on reflector
	941 (94 Stimsonite casting)	3.88L x 0.95W x0.3H	
3M St. Paul , MN	190 (96& 101 Stimsonite casting, Ironstar, Nightline B-250)	3.95L x 1.9W x0.43H	Marked 3M on reflector
	190 (Model H1010 casting- low profile)	3.95L x 1.9W x0.43H	Marked 3M on reflector
	190 (Ray-O-Lite Model Snow-Lite casting)	3.95L x 1.9W x0.43H	Marked 3M on reflector
	194 (94 Stimsonite casting)	3.9L x 0.845W x0.22H	Marked 3M on reflector
	198 (98 Stimsonite casting)	3.95L x 1.65W x0.43H	
Ray-O-Lite Heath, OH	2004 (96& 101 Stimsonite casting, Ironstar, Nightline B-250)	4L X 1.9W x 0.45H	Marked Ray-O-Lite on reflector
	2004 (Model H1010 casting- low profile)	4L X 1.9W x 0.45H	Marked Ray-O-Lite on reflector
	2004 (Ray-O-Lite Model Snow-Lite casting)	4L X 1.9W x 0.45H	Marked Ray-O-Lite on reflector

NOTE: Approved castings for use with above noted reflectors are listed on the Raised Pavement Marker Casting list. Reflector models and dimensions are specific to the casting models as listed above. Replacement reflectors for refurbished units must be properly matched to the castings. Use only adhesives approved by the manufacturer.

Contact:
 Debby Kozol, P.E.
 Traffic Operations Engineer
 Bureau of Highway Operations
 Phone: (608) 266-5096
 E-Mail: deborah.kozol@dot.state.wi.us
deborah.kozol@dot.state.wi.us

Release Agents, Asphaltic Mixtures

Date last edited: 7/20/2006

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 RTU	Brody Chemical, Salt Lake City, Ut	6/14/2001
Bio-Clean	Bio-Clean Industries, Aurora, CA	9/26/1997
Bio-Kream	Pristo Chemical Co., Roswell, GA	
Black Magic	Chemmark Corporation, Auroua, CO	
Black Magic for Rubber	Chemmark Corporation, Auroua, 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 5278	Chemstation of Wisconsin, Milwaukee, WI	6/17/2002
ChemStation 5278-2	Chemstation of Wisconsin, Milwaukee, WI	8/14/2002
Churchill L901	Puritan/Churchill Chemical Co., Galesburg, IL	
Churchill L911	Puritan/Churchill Chemical Co., Galesburg, IL	
Compound Technologies, Inc.	No. 1 asphalt release	5/8/2006
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	
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	
GF	Share Corporation, Milwaukee, WI	
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	

Product Name	Manufacturer & Location	Date Approved
Mor-Release M	Morton International, Inc., Chicago, IL	5/5/1999
NCC-SF92	NCC, Inc., Marietta, GA	
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	Sparton Chemical Company, Inc., Toledo, OH	
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	
Slikit	Tarmac Products, Inc., Blue Springs, MO	
Sliepezee Natural	Rochester Midland, Milwaukee, WI	3/10/1997
Sliepezee Satin	Rochester Midland, Milwaukee, WI	
Sliepezee SB	Rochester Midland, Milwaukee, WI	
Solvox Special 5332	SOLVOX Mfg. Company, Milwaukee, WI	10/1/2000
Solvox Special 5334	SOLVOX Mfg. Company, Milwaukee, WI	10/11/2000
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., 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	10/11/2000
Thermal Slide	Chemmark Corporation, Auroua, 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	

Contact:
Thomas Brokaw, Asphalt, Aggregate & Soils Engineer
3502 Kinsman Blvd
Madison, WI

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

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⁾

Contact:
 Peter J. Kemp
 New products / New methods Engineer
 Technology Advancement Unit
 Division of Transportation Infrastructure Development
 Wisconsin Department of Transportation
peter.kemp@dot.state.wi.us
 Phone: 608-246-7953

RUBBERIZED MEMBRANE WATERPROOFING

Date : 10/25/2004

<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

Contact:

Finn Hubbard

Bureau of Structures

Phone: 608-266-8489

E-mail:

finn.hubbard@dot.state.wi.us

TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE

Date last edited: 5/19/2004

<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*	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 750	white or yellow
PB Laminations, Inc.	Aztec 102	white
	Aztec 390	yellow
Trelleborg	Trelleborg Removable Road Tape	white or yellow

* Formerly Biltrite

Contact:

Thomas Notbohm

Bureau of Highway Operations

Division of Transportation Infrastructure Development

Wisconsin Department of Transportation

Phone (608)-266-0982

E-Mail:

thomas.notbohm@dot.state.wi.us

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

Contact:

Thomas Notbohm

Bureau of Highway Operations

Phone: (608) 266-0982

E-Mail:

thomas.notbohm@dot.state.wi.us