



Year 2004
APPROVED PRODUCT LISTS, CERTIFIED SUPPLIERS AND SOURCES
FOR USE ON WISDOT HIGHWAY PROJECTS



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APPROVED CONCRETE ADMIXTURES

Date: 9/14/2004

Important! Do not use Type A and Type D in the same mix batch

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
Euclid Chemical Company Cleveland OH	AEA-92 Air Mix 200 Air Mix 250	Eucon MR Eucon WR Eucon WR-91	Eucon WR-91 Eucon Retarder 100
Fritz-Pak Corporation Dallas TX	Air Plus Super Air Plus		FR-1 Standard Delay Set Mini Delay Set
General Resource Technology Eagan MN	Polychem AE Polychem VR	Polychem 1000 Polychem KB1000 Polychem 400NC	Polychem R
Hercules Incorporated Phone (608)-266-0982 Wilmington DE	Vinsol NVX		
Degussa Admixtures Inc.(formerly Master Builders) Cleveland OH	MB VR Standard Micro Air MB AE 90	Pozzolith 220N Polyheed 997 Masterpave	Pozzolith 220N Pozzolith 100 XR
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 HP 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

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APPROVED FABRICATORS, BRIDGE METAL SECONDARY FABRICATION ITEMS

Date last edited: 7/7/2004

<u>Approved Fabricator</u>	<u>Location</u>
Commercial Fabricators	Bridgeview, IL
D.S. Brown(Lewis Engineering Division)	Chaska, MN
PACAL, LLC (Paper Calumensen)	St. Paul, MN
RDLW Landscaping, LLC	Cottage Grove, WI
Viking Steel Inc.	Oshkosh, WI

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

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ASPHALT CEMENT - CERTIFIED SUPPLIERS

Date last edited: 7/15/2004

Supplier	Shipping Location
Asphalt Supply & Service, Inc.	Laurel, MT
Barton Enterprises	Newport, MN
Bituminous Materials & Supply	Des Moines, IA
Bituminous Materials & Supply	Tama, IA
Bituminous Products, Inc.	Toledo, OH
Border Chemical CO LTD	Winnipeg, MB
BP	Bay City, MI
BP	Davenport, IA
BP	Elberta, MI
BP	Milwaukee, WI
BP	Portage, WI
BP	South Bend, IN
BP	Oregon, OH
BP	Whiting, IN
Cenex Asphalt	Hardin, MT
Cenex Harvest States	Laurel, MT
Cenex Asphalt	Mandan, ND
Cenex Asphalt	Grand Forks, ND
Conoco-Phillips/Tosco Products	Forestview, IL
Conoco-Phillips/Tosco Products	Summit, 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	Inver Grove Heights, MN
Frontier Refining Co.	Cheyenne, WY
Henry G. Meigs	Abbotsford, WI
Henry G. Meigs	Portage, WI
Husky Energy	Calgary, Alberta
Husky Oil	Saskatoon, Sask
Interstate Asphalt	Williston, ND
Jebro, Inc.	Corson, SD
Jebro, Inc.	Sioux City, IA

Supplier	Shipping Location
Koch Pavement Solutions	Algona, IA
Koch Pavement Solutions	Bettendorf, IA
Koch Pavement Solutions	Dubuque, IA
Koch Pavement Solutions	Forestview, IL
Koch Pavement Solutions	Green Bay, WI
Koch Pavement Solutions	Lemont, IL
Koch Pavement Solutions	Marshall, MN
Koch Pavement Solutions	Omaha, NE
Koch Pavement Solutions	Savage, MN
Koch Pavement Solutions	Stevens Point, WI
Koch Pavement Solutions	West Fargo, ND
Laketon Refining	Laketon, IN
Marathon Ashland Pet. LLC	Detroit, MI
Marathon Ashland Pet. LLC	St Paul Park, MN
Marathon Ashland Pet. LLC	Trumbull, MN
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
Seneca Petroleum Company	Lemont, IL
Seneca Petroleum Company	Portage, IN
Seneca Petroleum Company	Toledo, OH
Sinclair Oil Corporation	Casper, WY
Terry Materials	Alma, MI
Thompson- McCully Oil Co.	Monroe, MI
Westway Terminal Company, Inc.	St.Paul, MN

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BRICK and BLOCK

Date last edited: 6/30/2004

<u>Company</u>	<u>Location</u>	<u>Color Marking</u>	<u>Expiration Date</u>
Best Block Company	Menomonee Falls, WI	Pink-- Approved for Concrete brick and Barrel blocks	7/1/2004
Best Block Company	Racine, WI	Pink-- Approved for Manhole block only	7/1/2003
Wausau Concrete Company, Inc. <u>Distributors</u>	Marathon City, WI	Adobe red ⁽¹⁾	7/1/2005
Wausau Concrete Company, Inc.	Wausau, WI	Adobe red ⁽¹⁾	7/1/2005
County Materials	Madison, WI	Adobe red ⁽¹⁾	7/1/2005
County Materials	Stevens Point, WI	Adobe red ⁽¹⁾	7/1/2005
County Materials	Waukesha, WI	Adobe red ⁽¹⁾	7/1/2005

(1) Wausau concrete brick also is marked with raised bars. Wausau 4-inch and 8-inch solid block is identified by a scribe mark on one end. Catch Basin and Manhole Barrel Block is identifiable by a scribe mark on one end.

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CASTINGS, GRAY IRON

Date last edited: 4/7/2003

<u>Approved Manufacturer</u>	<u>Location</u>
Neenah Foundry	Neenah, WI
East Jordan Iron Works	East Jordan, Mi

For all other manufacturers not on the approved list a certification of compliance shall be made available by the contractor when requested by the engineer.

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CONCRETE BARRIER SYSTEMS, TEMPORARY

Date last edited: 5/19/2004

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>

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Concrete Masonry Anchors, Type L

Date last edited: 8/15/2001, 6/12/2002, 1/2/2003

<u>Product Name</u>	<u>Manufacturer</u>
Fosroc LOKSET Resin cartridge anchors (Anchortite)	ChemRex Inc. Shakopee, MN
Dupont FASLOC Resin cartridge anchors	Dupont, Inc.

NOTE: These products have shelf life limitations of one year or less. Refer to the date on containers.

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CONCRETE PIPE PRODUCTS

Date last edited: 9/13/2004

<u>Company</u>	<u>Location</u>	<u>Expiration Date</u>
American Concrete Pipe Company	Green Bay, WI	6/15/2005
American Concrete Pipe Co.	Milwaukee, WI	7/1/2005
APS Concrete Products	Lannon, WI	7/1/2004
Hancock Concrete Products	Cannon Falls, MN	5/1/2005
Holmen Concrete Products	Holmen, WI	6/15/2005
Madison Concrete Pipe, Inc.	Madison, WI	7/31/2005
Northwind Concrete Products, Co.	South Beloit, IL	7/31/2005
Cretex Concrete Products Midwest, Inc. ⁽¹⁾	Waukesha, WI	7/1/2005
Wausau Concrete Company, Inc.	Wausau, WI	7/1/2005
Wieser Concrete	Maiden Rock, WI	8/1/2005
Welch Bros. Belvidere, Inc.	Belvidere, IL	7/31/2004

(1) formerly Waukesha Concrete Pipe Products

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Concrete Protective Surface Treatment

Date last edited: 2/23/2004

<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)
Baracade 16 Siloxane		** Pre-1999
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
Tamms Baracade Silane 40	Wabiszewski and Assoc., LLC	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.

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Corrugated Metal Pipe Products

Date last edited: 7/6/2004

<u>Company</u>	<u>Location</u>	<u>Expiration Date</u>
Bark River Culvert and Equipment Co.	Green Bay, WI	<u>8/30/2003</u>
Contech Construction Products, Inc.	Portage, WI	6/1/2005
Illowa Culvert Supply	Low Moor, IA	4/1/2005
* Johnston Fargo Culvert, Inc.	Blaine, MN	<u>7/3/2003</u>
Metal Culverts, Inc.	Evansville, WI	6/1/2005
Wausau Concrete Company, Inc.	Wausau, WI	7/1/2005

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

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Corrugated Polyethylene Culvert Pipe

Date: 9/9/2004

Manufacturer	Approved Pipe Sizes
Advanced Drainage Systems, Mendota, IL	375mm(15-Inch) Type S 600mm(24-Inch) Type S 1200mm(48-Inch) Type S
Northern Pipe Products- Hampton, IA	450mm(18-inch) Type S 600mm(24-inch) Type S
Prinsco, Inc. - Prinsburg, MN Prinsco, Inc. - Chatsworth, IL	12-Inch 15-Inch 18-Inch 24-Inch 30-Inch 36-Inch 42-Inch 48-Inch
Quality Culvert, Inc. - Wausau, WI	300mm(12-Inch) 600mm(24-inch) Type S 750mm(30-Inch) Type S 900mm(36-Inch) Type S



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 is tested and passes, the manufacturer and approved pipe size will appear on the list.

If the pipe manufacturer 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.

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Corrugated Polyethylene Drainage Pipe

Date last edited: 8/3/2004

<u>Manufacturer</u>	<u>Approved Pipe Sizes</u>	<u>Date Approved</u>
Advanced Drainage Systems- Harvard, IL	150 mm(6-inch)perforated	5/13/2004
	100 mm(4-inch)perforated	<u>8/2/2004</u>
Northern Pipe Products- Hampton, IA	100 mm(4-inch)	2/6/2004
Prinsco, Inc. - Prinsburg, MN	150 mm(6-inch)perforated	<u>7/21/2004</u>
Wisconsin Tubing - Omro, WI	100 mm(4-inch)perforated	6/2/2004
	125 mm(5-inch)perforated	6/2/2004
	150 mm(6-inch)perforated	4/19/2004
	200 mm(8-inch)perforated	6/2/2004
	250 mm(10-inch)perforated	6/2/2004

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 is tested at the C.O. Lab and passes, the manufacturer and approved pipe size will appear on the list.

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

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Crash Attenuator - Sand Barrel Systems

Date last edited: 5/8/2000

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

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CRASH CUSHIONS

Date last edited: 8-25-2003

Product Name	Manufacturer
QuadGuard	Energy Absorption Systems, Inc. One East Wacker Drive Chicago, IL 60601
REACT - 350	Traffic Signal Company of Wisconsin 6318 West State Street Wauwatosa, WI 53213
TAU II	Barrier Systems, Inc. 180 River Road Rio Vista, CA 94571-1208

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

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

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Curb Ramp Warning Field

Curb Ramp Detectable Warning Field

Date last edited: 8/20/2004

<u>Product Name</u>	<u>Acceptable Colors</u>	<u>Manufacturer</u>	<u>Distributor</u>	<u>Remarks</u>	<u>Date Approved</u>
MetaPanel	844-0061 Titanium White DuPont R-902 Degussa 844-2061 Chrome Yellow Med DCC-1003 Degussa	MetaDome, LLC	2136 E. Dayton Street Madison, WI 53704 Phone # 608-249-8644 www.metadomellc.com	Inset panel	4/20/2004

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

Date last edited: 5/27/2003

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	Wabiszewski and Assoc., LLC	4/18/2003
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.

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ENERGY ABSORBING TERMINALS FOR BEAM GUARD

Date last edited: 8-25-2003

<u>Product Name</u>	<u>Manufacturer</u>
ET- 2000 Beam Guard Terminal end	Syro, Inc.
ET- 2000 Plus Beam Guard Terminal end	Dallas, Texas
SKT- 350(Sequential Kinking Terminal)	Road Systems , Inc. 7631 New Castle Drive Frankfort, IL 60423
SRT 350(Slotted Rail Terminal for Beam Guard)	Syro, Inc Dallas, Texas

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

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

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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

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EPOXY PAVEMENT MARKING MATERIALS, QUALIFIED PRODUCTS

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

Date last edited: 6/28/2004

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

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

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

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

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

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

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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

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Flexible Tubular Marker - Surface Mounted

Date last edited: 8/26/2003

<u>Product Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Davidson FG 300 UR	Davidson Plastics	12/8/1999
Davidson FG 500 Highway Delineator	Rocky Mount, Mo.	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



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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

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Non-Shrink Commercial Grout

Non-Shrink Commercial Grout

Date last edited: 5/8/2000, 4/12/2001, 9/11/2001,1/30/2002, 1/2/2003

<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	
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
Horn Grout	Tamms Industries Kirkland, IL	9/11/2001

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

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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>

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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 Painting Epoxy System
517- 041		
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>

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Pile Points

Date: 8/11/2004

Furnish one of the following H-Pile Points:

<u>Company</u>	<u>Product Name/model</u>
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
Construction Supply Company	HT 3300

Furnish one of the following conical Pile Points:

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

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Culvert Pipe Liners- Prequalification to Manning's Coefficient

Date last edited: 10/6/2004

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

<u>Product Name</u>	<u>Manufacturer</u>	<u>Distributor</u>	<u>Remarks</u>	<u>Date Approved</u>
SNAP-TITE	ISCO Industries Ottawa, IL	Johnston Fargo Culvert, Inc. St. Paul, MN	Test ave. of Mannings number = 0.00914	4/30/2004
Culvert Renew	Poly Systems, Inc P.O. Box 1157 3 Industrial Drive Steelville, MO 65565 800-505-3301 - voice 573-775-3388 - fax www.culvertrenew.com		Test ave. of Mannings number = 0.012	10/6/2004



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PORTLAND CEMENT MANUFACTURERS - CERTIFIED SUPPLIERS

Important: Read note at bottom of list !

Date last edited: 5/3/2004

<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
Cemex (Central Plains Cement)	Charlevoix, Michigan	I
	Dixon, IL	I
Holcim, Inc (St. Lawrence) (SsangYong Corporation)	Theodore, Alabama	I, II
	Clarksville, Missouri	I
	Mason City, Iowa	I
	Mississauga, Ontario	I
	Dundee, Michigan	I
	Donghae Plant, South Korea	I, II
Illinois Cement Company	LaSalle, Illinois	I, III
LaFarge Corporation	Alpena, Michigan	I, II, III
	Davenport, Iowa	I, II
	Joppa, Illinois	I, II
	Sugar Creek, Missouri	I, II
St Marys, Inc.	Bowmanville, Ontario	I
	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.

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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

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Precast Catch Basin, Inlets, Manholes

Date last edited: 11/23/2004

<u>Company</u>	<u>Location</u>	<u>Expiration Date</u>
American Concrete Pipe Company	Millwaukee, WI	7/1/2005
American Concrete Pipe Company	Green Bay, WI	6/15/2005
APS Concrete Products	Lannon, WI	7/1/2004
Concrete Industries, Inc.	Green Bay, WI	6/15/2005
Holmen Concrete Products	Holmen, WI	6/15/2005
Kropp Concrete Products	Green Bay, WI	6/15/2005
Madison Concrete Pipe, Inc.	Madison, WI	7/31/2005
Modern Building Materials, LLC ⁽¹⁾	Kenosha, WI	7/1/2005
Northwind Concrete Products, Co.	South Beloit, IL	7/31/2005
Cretex Concrete Products Midwest, Inc. ⁽²⁾	Waukesha, WI	6/15/2005
Wausau Concrete Company ⁽³⁾	Wausau, WI	7/1/2005
Wieser Concrete	Maiden Rock, WI	8/1/2005
Wisconsin Concrete Pipe	Kiel, WI	6/15/2005

(1) also Fox Lake, IL plant

(2) formerly Waukesha Concrete Pipe Products

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

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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

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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.

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Rapid Setting Concrete Patch Material

Date last edited: 5/8/2000, 8/22/2000, 10/2/2000, 1/2/2003

<u>Product Name</u>	<u>Manufacturer & Location</u>	<u>Date Approved</u>
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	

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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

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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.

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Release Agents, Asphaltic Mixtures

Date last edited: 10-5-2004

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

Product Name	Manufacturer & Location	Date Approved
2100 Nutrigent Industr Cleaner	Lubrication Engineers, Inc., Fort Worth, TX	10/22/1999
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-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 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	
CR3600	BioSpan Technologies, Inc., Baldwin, MO	10/3/2000
Dispersed Acidulated Soapstock	CHS, Mankato, MN	9/28/2004
Diver Slip	Diversey Corp., Cincinnati, OH	
DMX	Spectraphalt, LLC, Metteson, IL	
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	
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
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	
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	

Product Name	Manufacturer & Location	Date Approved
Quik Slip	Pure-Chem, Inc., Stanton, CA	
ReleaseAll	Microblend, Inc., Morrow, GA	
(366) Release Ease	Share Corp, Inc., Milwaukee, WI	
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	
Slipeazee Natural	Rochester Midland, Milwaukee, WI	
Slipeazee Satin	Rochester Midland, Milwaukee, WI	
Slipeazee SB	Rochester Midland, Milwaukee, WI	
Solvox Special 5332	SOLVOX Mfg. Company, Milwaukee, WI	
Solvox Special 5334	SOLVOX Mfg. Company, Milwaukee, WI	
Solvox Special 5337	SOLVOX Mfg. Company, Milwaukee, WI	
Solvox Special 5338	SOLVOX Mfg. Company, Milwaukee, WI	
Solvox Special 5339	SOLVOX Mfg. Company, Milwaukee, WI	
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	
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
U596 E-Z Go	United Laboratory, ST. Charles, IL	2/7/2002
Valvoline Cling Free Release Agent	The Valvoline Company, Lexington, KY	5/21/1999
ZEP E2008 (XT-3199)	Zep Manufacturing Company, Atlanta, GA	
ZEP FA	Zep Manufacturing Company, Atlanta, GA	
ZEP Freeze Free	Zep Manufacturing Company, Atlanta, GA	4/19/2001
ZEP R-6690	Zep Manufacturing Company, Atlanta, GA	10/3/2002
ZEP Special Mix	Zep Manufacturing Company, Atlanta, GA	1/25/2002
ZEP X-5396	Zep Manufacturing Company, Atlanta, GA	
102-52A	Chemstation of Wisconsin, Milwaukee, WI	
102-52B	Chemstation of Wisconsin, Milwaukee, WI	4/19/2001
102-52C	Chemstation of Wisconsin, Milwaukee, WI	
102-52D	Chemstation of Wisconsin, Milwaukee, WI	

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Plastic Guardrail Blockouts

Date last edited: 8/4/2004

<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
P.Block	R.G. Steel Corporation P.O. Box 356, Rt. 551 Pulaski, PA 16143	2/1/2004
PL6814R ⁽¹⁾	Ramco International P.O. Box 9625 Pittsburgh, PA 15226 (302) 539-0414	10/17/2001
Valley Rubber ⁽¹⁾	Valley Rubber P.O. Box 1209 Hartsell, AL 35640 (800) 622-5667	10/17/2001
Eco-Block ⁽¹⁾	ECO-Composites LLC 1769 Hayes Road Grand Haven, MI 49417 (616)-844-2001 voice (616)-844-2201 fax	12/17/2002

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

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SOLVENTBORNE PAINT

Date last edited:1/08/2004

Only approved pavement marking products selected from the below list may be used. The list is established from the current Traffic Paint Performance Test done by the Bureau of Highway Operations. A sample of the product may be required by the engineer before use in order to verify the product is manufactured within the range of values listed below. The paint number shown on the list is a product number. This number must be marked on product containers and shipping documents. Refer to the Standard Specifications, section 646.2.2.

Company: Ennis Paint, Inc*

<u>Color</u>	<u>Paint number</u>	<u>Weight (Lb/Gal.)</u>	<u>Viscosity</u>	<u>% Pigment</u>	<u>% Non-Volatile</u>
White	CL5004	11.77 - 12.37	72 - 80	53.22 - 59.22	36.45 - 45.45
Yellow	CL5005	12.01 - 12.61	70 - 78	53.40 - 59.40	36.56 - 45.56

CL5004 and CL5005 Acetone exempt solvent(VOC compliant) used by District 2 (Special Marking)

Yellow is VOC compliant, Lead Chromate

* Formerly LaFarge - Centerline Industries, Inc.

Material is VOC compliant solvent based using acetone and is retained from the 1995 Test Deck.

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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

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TEMPORARY RAISED PAVEMENT MARKERS

Date last edited: 4/2/2001

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

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WATERBORNE PAINT

Date last edited: 6/03/2004

Only approved pavement marking products selected from the below list may be used. The list is established from the current Traffic Paint Performance Test done by the Bureau of Highway Operations. A sample of the product may be required by the engineer before use in order to verify the product is manufactured within the range of values listed below. The paint number shown on the list is a product number. This number must be marked on product containers and shipping documents. Refer to the Standard Specifications, section 646.2.2.

<u>Company</u>	<u>Color</u>	<u>Paint Number</u>	<u>Manufacture Number</u>
Diamond -Vogel	White	VLX 12450-01	
Diamond -Vogel	Yellow	VLX 12449-01	
Ennis Paint	White	EP 301 W3	
Ennis Paint	Yellow	EP 301 W3	
Ennis Paint	White	LRM99 -106	
Ennis Paint	Yellow	LRM99 -111	
**Sherwin Williams - Baltimore	White	BP 16442	
Sherwin Williams - Baltimore	White	BP 16410	
Sherwin Williams - Baltimore	White	BP 16434	
Sherwin Williams - Baltimore	White	BP 16435 ⁽¹⁾	TM 2326
Sherwin Williams - Baltimore	Yellow	BP 16443	
Sherwin Williams - Baltimore	Yellow	BP 16436 ⁽¹⁾	TM 2277
Sherwin Williams - Baltimore	Yellow	BP 16441	
Sherwin Williams - Baltimore	Yellow	BP 16431	

Formely LaFarge- Centerline Industries
 ** Sherwin Williams has purchased Baltimore and is phasing out the Baltimore product name

(1) Denotes products under contract #405088

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