

APPROVED MANUFACTURERS

The materials in this section may be accepted for use on Michigan Department of Transportation projects on the basis of certification from the suppliers listed under specific materials.

This Approved Manufacturers List is in accordance with the 2012 Standard Specifications for Construction.

See also Section 3.02 of the Materials Quality Assurance Procedures Manual.

APPROVED MANUFACTURERS

Spec. # and Material Name	Approved Manufacturers		Manufacturers Location	
901 Cement	Buzzi Unicem USA		Chattanooga, TN, Festus MO, Greencastle, IN	
	Cemex Fairborn Central Plains Cement-Sugar Creek Plant Continental Cement Company ESSROC Canada, Inc. ESSROC Materials, Inc. CRH Canada Group, Inc. Illinois Cement Company LafargeHolcim LafargeHolcim, St. Genevieve Plant LeHigh St. Mary's Cement		Fairborn, OH Sugar Creek, MO Hannibal, MO Picton, Ontario, Canada Logansport, IN, and Martinsburg, WV Mississauga, Ontario, Canada LaSalle, IL Alpena, MI, and Paulding, OH Bloomsdale, MO Mitchell, IN Detroit and Charlevoix, MI; Bowmanville and St. Mary's, Ontario, Canada	
901.06 Slag Cement	CRH Canada Group, Inc. LafargeHolcim Skyway Cement Company, LLC St. Mary's Cement		Mississauga, Ontario, Canada South Chicago, IL Chicago, IL Detroit, MI	
Spec. # and Material Name	Approved Manufacturers		Class	Source or Plant Location
901.07 Pozzolanic Admixtures (Fly Ash) for Concrete	<u>Distributor</u>	<u>Producer</u>		
	Waste Mgmt./FlyAsh Direct	Zimmer Power Plant	F	Moscow, OH
	Waste Mgmt./FlyAsh Direct	Miami Fort	F	Miami Fort Unit 7, North Bend, OH
	Waste Mgmt./FlyAsh Direct	Miami Fort	F	Miami Fort Unit 8, North Bend, OH
	Waste Mgmt./FlyAsh Direct	Reliant Energy	F	Avon Lake Unit 9, Cleveland, OH
	Waste Mgmt./FlyAsh Direct	Joppa Generating Station	C	Joppa, IL
	Headwaters Resources	Consumers Energy	C	Campbell Unit #1, West Olive, MI
	Headwaters Resources	Eckert Power Plant	C	Lansing Board Water & Light, Lansing, MI
	Headwaters Resources	Erickson Power Plant	C	Lansing Board Water & Light, Lansing, MI
	Headwaters Resources	First Energy's Sammis Plant	F	Sammis Power Station, Stratton, OH
	Headwaters Resources	Monroe Power Plant	F	Monroe, Michigan
	Headwaters Resources	N. Indiana Public Service Co.	C	Schafer Station, Unit 15, Wheatfield, IN
	CRH Canada Group, Inc.	Detroit Edison	C	Bell River Unit #1, St. Clair, MI
	CRH Canada Group, Inc	Detroit Edison	C	Bell River Unit #2, St. Clair, MI
	LafargeHolcim	NRG	C	Will Co. Plant, Romeoville, IL
	LafargeHolcim	Wisconsin Power & Light Co.	C	Columbia, Portage, WI
	LafargeHolcim	Wisconsin Power & Light Co.	C	Edgewater Sta. Unit 5, Sheboygan, WI
	LafargeHolcim	Wisconsin Power & Light Co.	C	Pleasant Prairie, Kenosha, WI
	LafargeHolcim	Wisconsin Power & Light Co.	C	Weston #3, Wausau, WI
	LafargeHolcim	Presque Isle Power Plant	C	Presque Isle, Marquette, MI
Mineral Resource Technologies, LLC	Rush Island Power Plant	C	Rush Island, Festus, MO	
Mineral Resource Technologies, LLC	Labadie Power Plant	C	Silo C&D, Labadie, MO	

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903.03 Latex Admixture For Concrete	Trinseo BASF Corporation Polytherm Systems, Inc., General Tires	
904.03C Emulsified Asphalt	<p>See Current List of Emulsified Asphalts at Construction Field Services Web Page.</p> <p>Instructions to Construction Field Services web page: From MDOT home page (michigan.gov/mdot), click on about MDOT (left side), then click on Highway Field Services, and then click Construction Field Services. The <u>Approved Emulsified Asphalt Suppliers List</u> is under Resources & Publications.</p> <p>Actual Construction Field Services web page address: http://www.michigan.gov/documents/mdot_c&t_emulsionlist_66894_7.pdf</p>	
905.03 Bar Reinforcement (Uncoated)	American Steel & Wire ASI Alton Steel, Inc. Austeel Barbary Coast Byer Steel (formerly A.B. Steel) <u>CMC Steel</u> CMC Steel (Texas) CMC Steel Cascade Steel Rolling Mills ERSCO Construction Supply EVRAZ Rocky Mountain Steel <u>Gerdau Ameristeel Corporation</u> Beaumont Steel Mill Div. Charlotte Steel Mill Div. Jackson Steel Mill Div. Jacksonville Steel Mill Div. Knoxville Steel Mill Div. Midlothian Steel Mill Div. St. Paul Steel Mill Div. Sayreville Steel Mill Div. <u>Nucor Steel</u> Nucor Steel Auburn, Inc. Nucor Steel Birmingham, Inc. Nucor Steel Connecticut, Inc Nucor Steel Jackson, Inc. Nucor Steel Kankakee, Inc. Nucor Steel Marion, Inc. Steel Dynamics Inc.	Joliet, IL Alton, IL Mississippi, Norfolk, Illinois Cincinnati, OH Seguin, TX Cayce-West, Columbia, SC McMinnville, OR Wyoming, MI Pueblo, CO Vidor, TX Charlotte, NC Jackson, TN Jacksonville, FL Knoxville, TN Midlothian, TX St. Paul, MN Sayreville, NJ Auburn, NY Birmingham, AL Wallingford, CT Flowood, MS Bourbonnais, IL Marion, OH Pittsboro, IN

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905.03C Bar Reinforcement (Epoxy Coated)	ERSCO Construction Supply <u>Epoxy Coating Companies</u> <u>ABC Coating Co.</u> ABC Coating Co. of OK, Inc. ABC Coating Co. of MI, Inc. ABC Coating Co. of IL, Inc. ABC Coating Co. of MN, Inc., Ambassador Steel Corp., American Highway Technology (A Division of Dayton Superior) CMC Rebar CMC Coating of Texas Co-Steel Sayreville Dayton Superior Corporation Gerdau Ameristeel, Muncie Epoxy Coating Harris Rebar JC Supply & Manufacturing Lane Enterprise, Epoxy Coating Div. Midwest Pipe Coatings <u>Simcote</u> Simcote Simcote Titusville Fabricators, Inc. Wady Industries, Inc.	Wyoming, MI Tulsa, OK Wyoming, MI Peotone, IL Minneapolis, MN Bourbonnais, IL Kankakee, IL Kankakee, IL Waxahachie, TX Sayreville, NJ Valparaiso, IN Muncie, IN Bethlehem, PA Ontario, CA, Carlyle, IL Carlisle, PA Schereville, IN Saint Paul, MN Marion, OH Pittsburgh, PA Maquoketa, IA
905.06 Welded Steel Wire Reinforcement (Mesh)	Engineered Wire Products Hallett Wire Products Co. Insteel Wire Products Iowa Steel & Wire Numesh Nucor Steel Connecticut, Inc. Oklahoma Steel & Wire Co. Inc. Structural Reinforcement Products Inc.	Upper Sandusky and Warren, OH Glen Falls, NY Wallingford, CT
905.07 Strand for Prestressed Concrete	Insteel Wire Products RettCo Steel, LLC Sumiden Wire Products Corporation Strand-Tech Martin, Inc.	
905.08 Tendons for Lateral Post Tensioning	Insteel Wire Products RettCo Steel, LLC Sumiden Wire Products Corporation Strand-Tech Martin, Inc.	
908.11A Guardrail, Steel Beam Elements, Anchorage, Bridge, Shoes, Departing End Terminals (End Sections)	Contech Engineered Solutions, LLC Gregory Highway Products Highway Safety Corporation IMH Products, Inc. R.G. Steel Corporation SPIG Industry LLC Trinity Industries, Inc.	

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<p>908.11A Guardrail Approach Terminals</p> <p>Remarks: Approach Terminals are proprietary items, accepted as complete units. All systems must be approved by the NCHRP and MDOT Barrier Advisory Commission.</p>	<p><u>Type 1</u> SRT 350 X-Lite-Flared</p> <p>FLEAT - 350 refer to Design Std. Plans 61(X) latest version</p> <p><u>Type 2</u> X-Lite-Tangent-50 ET-Plus SKT - 350 refer to Design Std. Plans 62(X) latest version</p> <p><u>Type 3</u> CAT FLEAT - MT refer to Design Std. Plans 63(X) latest version</p>	<p>Trinity Industries, Inc. Lindsay Transportation Solutions (a.k.a. Barrier Systems) <u>* Road Systems, Inc.</u> Gregory Highway Products R.G. Steel Corporation Highway Safety Corporation</p> <p>Lindsay Transportation Solutions (a.k.a. Barrier Systems) Trinity Industries, Inc. <u>* Road Systems, Inc.</u> Gregory Highway Products R.G. Steel Corporation Highway Safety Corporation</p> <p>Trinity Industries, Inc. <u>* Road Systems, Inc.</u> Gregory Highway Products R.G. Steel Corporation Highway Safety Corporation</p>	<p>*NOTES:</p> <p>Road Systems, Inc. (RSI) developed both SKT 350 and FLEAT-350 systems.</p> <p>RSI does not manufacture beams.</p> <p>The 3 listed companies under RSI are distributors and distribute SKT and FLEAT <u>smart</u> parts that make-up the approved approach terminals.</p>
<p>908.12 Steel Posts for Beam Guardrail</p>	<p>Contech Engineered Solutions, LLC Gregory Highway Products Highway Safety Corporation IMH Products, Inc. R.G. Steel Corporation SPIG Industry LLC Trinity Industries, Inc.</p>		
<p>909.04A Reinforced Concrete Pipe</p>	<p>Co-Pipe Products, Inc. County Materials Corporation Northern Concrete Pipe</p> <p>Upper Peninsula Pipe Co.</p>	<p>Taylor, MI Marathon, WI Bay City, Charlotte, Clarkston, and Wyoming, MI; Toledo (Sylvania), OH Escanaba, MI</p>	
<p>909.04C Non-Reinforced Concrete Pipe</p>	<p>Co-Pipe Products, Inc. Northern Concrete Pipe</p> <p>Upper Peninsula Pipe Co.</p>	<p>Taylor, MI Bay City, Charlotte, Clarkston, and Wyoming, MI; Toledo (Sylvania), OH Escanaba, MI</p>	
<p>909.04D Precast Concrete Box Sections</p>	<p>Co-Pipe Products, Inc. County Materials Corporation Hanson Pipe & Products Mack Industries Northern Concrete Pipe</p> <p>Upper Peninsula Pipe Co.</p>	<p>Taylor, MI Marathon, WI Windsor, Canada White Lake, MI, and Toledo, OH Bay City, Charlotte, Clarkston, and Wyoming, MI; Toledo (Sylvania), OH Escanaba, MI</p>	

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909.04E Precast Concrete End Section For Culverts & Sewers	County Materials Corporation Northern Concrete Pipe Upper Peninsula Pipe Co.	Marathon, WI Bay City, Charlotte, Clarkston, and Wyoming, MI; Toledo (Sylvania), OH Escanaba, MI
909.04G Precast Concrete Three-Sided or Arch Culverts NOTES: 1) Manufacturers are only approved for the culvert design(s) listed. 2) Approved on an experimental basis and will require evaluation during and after construction. Contact the department's Structural Fabrication Unit to coordinate evaluation process. 3) Use is restricted to models 42/0-3 and 48/0-1 and is only permitted when detailed on the plans and when analyzed by the department's Hydraulics Unit. 4) Use is restricted to Arch-Box (AB) Series up to 48 feet in span length. ** Effective January 1, 2011, all manufacturers must be certified by the Precast/Prestressed Concrete Institute (PCI), the National Precast Concrete Association (NPCA), or the American Concrete Pipe Association (ACPA).	Advance Concrete Products Advanced Infrastructure Tech. (Composite Bridge System) Contech Engineered Solutions, LLC Contech Engineered Solutions, LLC Mack Industries Northern Concrete Pipe Northern Concrete Pipe Northern Concrete Pipe StressCon Upper Peninsula Concrete	Design ¹ Adspan CBS ² BEBO ^{2, 3} Conspan Conspan Northern Arch Hyspan P3 System ² Ecospan ^{2, 4} Conspan Highland, MI Orono, ME Huber Heights, OH Huber Heights, OH White Lake, MI Bay City, MI Bay City, MI Wyoming, MI Detroit, Kalamazoo, and Zilwaukee, MI Escanaba, MI
909.05A Corrugated Steel Pipe	Armco Steel Corporation Bark River Culvert & Equipment Co. Contech Engineered Solutions, LLC Jensen Bridge & Supply Co. Lane Enterprises, Inc. Cadillac Culvert St. Regis Culvert, Inc. Worthington Steel	South Bend, IN Escanaba, MI Mason, MI, Mitchell and South Bend, IN, Portage, WI, Shakopee, MN, Ashland and Winchester, KY, Anderson, SC, and Canfield, OH Grand Rapids and Sandusky, MI Pulaski, PA Cadillac, MI Charlotte, MI Delta, OH
909.07B Pipe for Underdrains Corrugated Plastic Tubing (Perforated & Non-Perforated) (Wrapped & Non-Wrapped)	Advanced Drainage Systems, Inc. Baughman Tile Co., Inc. Cervell Drainage Products Hancor, Inc. Haviland Drainage Prinsco, Inc.	Napoleon, OH, and Owosso, MI Paulding, OH Lordstown, OH Findlay, OH Haviland, OH Chatsworth, IL

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909.07C Pipe for Underdrains Underdrain Outlet 2. Corrugated Steel Pipe	Armco Steel Corporation Bark River Culvert & Equipment Co. Contech Engineered Solutions, LLC Jensen Bridge & Supply Co. Lane Enterprises, Inc. Michigan Culvert Co. Cadillac Culvert St. Regis Culvert, Inc.	South Bend, IN Escanaba, MI Mason, MI, Mitchell & South Bend, IN, Portage, WI, Shakopee, MN, Ashland and Winchester, KY, Anderson, SC, and Canfield, OH Grand Rapids and Sandusky, MI Pulaski, PA Mason, MI Cadillac, MI Charlotte, MI	
909.08B Downspouts from Other Bridge Decks 1. Corrugated Steel Pipe	Armco Steel Corporation Bark River Culvert & Equipment Co. Contech Engineered Solutions, LLC Jensen Bridge & Supply Co. Lane Enterprises, Inc. Michigan Culvert Co. Cadillac Culvert St. Regis Culvert, Inc.	South Bend, IN Escanaba, MI Mason, MI, Mitchell and South Bend, IN, Portage, WI, Shakopee, MN, Ashland and Winchester, KY, Anderson, SC, and Canfield, OH Grand Rapids and Sandusky, MI Pulaski, PA Mason, MI Cadillac, MI Charlotte, MI	
910.05A Prefabricated Drainage System Products name approved, all others must be tested per project	<u>Approved Products</u> AdvanEdge 18" SITEDRAIN Strip 6412, 6418, 6424 (TNS-R042, SKAPS GT-142 or Propex Geotex 401) CCW –HC Drain (Mirafi 140N) Stripdrain 80 and 100 JDRainSWD (Mirafi 140N) MDM Hydraway Drain 2000 PDS 30	Advanced Drainage Systems, Inc. American Wick Drain Corporation Carlisle Coating Waterproofing Contech Engineered Solutions, LLC JDR Enterprises, Inc. Monsanto Co. Pro Drain Systems	Columbus and Napoleon, OH, Owosso, MI Monroe, NC Bloomfield Hills, MI Alpharetta, GA St. Louis, MO Highland, MI
912.05 Structural Timber & Lumber	American Timber and Steel Co., Inc. Central Nebraska Wood Preservers, Inc. Iowa Wood Preservers, Inc. John Biewer Lumber Company Straits Wood Treating, Inc. Midwest Timber Woodstock, Inc.	Norwalk, OH Sutton, NE Oskaloosa, IA Lansing and St Clair, MI Bay City, MI Edwardsburg, MI West Branch, MI	

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912.08 Wood Posts and Blocks for Guardrail and Highway Signs (Dimension Sawed)	American Timber and Steel Co., Inc. Central Nebraska Wood Preservers, Inc. Iowa Wood Preservers, Inc. John Biewer Lumber Company Straits Wood Treating, Inc. Midwest Timber Woodstock, Inc.	Norwalk, OH Sutton, NE Oskaloosa, IA St. Clair, MI Bay City, MI Edwardsburg, MI West Branch, MI
913.06 Precast Reinforced Concrete Units for Drainage Structures	Advance Concrete Products Co. Bush Concrete Products, Inc. Carlesimo Products, Inc. Consumers Concrete Products Co-Pipe Products, Inc. County Materials Corporation Elmer's Grand Valley Concrete Products Hanson Pipe and Products (form. Centennial) Kerkstra Precast, Inc. Mack Industries Mack Vault of Toledo-a Div. of Mack Industries Northern Concrete Pipe Norwalk Concrete Industries Quality Precast, Inc. Upper Peninsula Pipe Co.	Highland, MI (Specialty Items) Muskegon, MI Farmington, MI Kalamazoo, MI Taylor, MI Marathon, WI Traverse City, MI Grand Rapids, MI Windsor, Ontario, Canada Grandville and Jenison, MI White Lake, MI Bowling Green, OH Bay City, Charlotte, Clarkston, and Wyoming, MI Norwalk, OH Kalamazoo, MI Escanaba, MI
913.07 Precast Concrete Bases, Sumps	See Spec. 913.06, Drainage list	
913.09 Slope Pavement Blocks	4D, Inc. Bark River Concrete Products Best Block Company Carlesimo Products, Inc. Concrete Service, Inc. Consumers Concrete Products Fendt Builder's Supply, Inc. Ferguson Block Co., Inc. Grand Blanc Cement Products Jansen Block Co. Northern Concrete Pipe	Midland, MI Bark River, MI Warren, MI Farmington, MI Traverse City, MI Kalamazoo and South Haven, MI Ann Arbor and Farmington Hills, MI Davison, MI Grand Blanc, MI Grand Rapids, MI Grand Rapids, MI

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<p>914.07 Transverse Pavement Joints 1. Dowel Bars</p> <p>For coating info. See QPL 905.03C for approved material and manufacturers.</p> <p>See Spec. 905.03C for Epoxy Coating Manufacturers (Coaters).</p>	<p>American Steel & Wire ASI Alton Steel, Inc. Austeel Barbary Coast Barnsco Bayou Steel Corporation Boomer Construction Materials Byer Steel (formerly A.B. Steel) <u>CMC Steel</u> CMC Steel (Texas) CMC Steel CMT Manufacturing, Highway Division Cascade Steel Rolling Mills Erect-A-Line <u>Gerdau Ameristeel Corporation</u> Charlotte Steel Mill Div. Jackson Steel Mill Div. Jacksonville Steel Mill Div. Knoxville Steel Mill Div. Midlothian Steel Mill Div. St. Paul Steel Mill Div. Sayreville Steel Mill Div. JC Supply & Manufacturing <u>Nucor Steel</u> Nucor Steel Auburn, Inc. Nucor Steel Kankakee, Inc. Nucor Steel Marion, Inc. Nucor Steel Utah, Inc. Roadway Construction Products</p>	<p>Joliet, IL Alton, IL</p> <p>Mississippi, Norfolk, Illinois Walled Lake, MI Harriman, TN Detroit, MI Cincinnati, OH</p> <p>Seguin, TX Cayce-West, Columbia, SC Durant, IA McMinnville, OR Dallas, TX</p> <p>Charlotte, NC Jackson, TN Jacksonville, FL Knoxville, TN Midlothian, TX St. Paul, MN Sayreville, NJ Ontario, CA, Carlyle, IL</p> <p>Auburn, NY Bourbonnais, IL Marion, OH Plymouth, UT Clarkson, KY</p>
<p>914.07 Load Transfer Assemblies; Dowel Baskets</p>	<p>American Highway Technology (A Division of Dayton Superior) Barnsco CMT Manufacturing, Highway Division Dayton Superior Corporation Boomer Construction Materials Erect-A-Line JC Supply & Manufacturing Roadway Construction Products</p>	<p>Kankakee, IL</p> <p>Walled Lake, MI Durant, IA Valparaiso, IN Detroit, MI Dallas, TX Ontario, CA, Carlyle, IL Clarkson, KY</p>
<p>914.08 Transverse End of Pour Joint Devices B. Deformed Bars</p>	<p><u>Bar Manufacturers</u> See Reinforcement Bar Manufacturers Spec. 905.03</p>	<p><u>Epoxy Coating Material</u> See Reinforcement Bar, Spec 905.03C and QPL 905.03C.</p>
<p>914.09 Straight and Bent Tie Bars for Longitudinal Pavement Joints, (Lane Ties)</p>	<p><u>Bar Manufacturers</u> See Reinforcement Bar Manufacturers Spec. 905.03</p>	<p><u>Epoxy Coating Material</u> See Reinforcement Bar, Spec 905.03C and QPL 905.03C.</p>

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916.02 Silt Fence Qualified Geotextile Fabric products listed in the QPL 910.04.	American Excelsior Co. Inc. C.S.I. / Geo Turf, Inc. DGI Industries Environmental Protection Products Geo-Synthetics Geoproducts, Inc. Hanes Geo Components. Jensen Bridge & Supply Co. Klein Brothers Hardwood Inc. Pallen Enterprises Rhino Seed and Landscape Supply	Westland, MI Highland, MI Bennington, NH Williamsburg, MI Waukesha, WI Birmingham, MI Charlotte, NC, Wixom and Wyoming, MI Wauseon, OH, Grand Rapids and Sandusky, MI Milford, MI Conyer, GA Bradley, MI
918.06 Precast Concrete Handholes & Manholes for Electrical & Telephone Connections	Advance Concrete Products Bush Concrete Products, Inc. Carlesimo Products, Inc. Consumers Concrete Products Elmer's Grand Valley Concrete Products, Inc. Hartford Concrete Products, Inc. Kerkstra Precast, Inc. Mack Industries Northern Concrete Pipe Norwalk Concrete Industries Quality Precast, Inc.	Highland, MI Muskegon, MI Farmington, MI Kalamazoo, MI Traverse City, MI Grand Rapids, MI Hartford City and Ashley, IN Jenison, MI White Lake, MI Bay City, Charlotte, Clarkston, and Wyoming, MI Norwalk, OH Kalamazoo, MI
919.05 Wood Sign Posts	American Timber and Steel Co., Inc. John Biewer Lumber Company Straits Wood Treating, Inc. Midwest Timber Woodstock, Inc.	Norwalk, OH St. Clair, MI Bay City, MI Edwardsburg, MI West Branch, MI