

# Material Source list Processing (MSL)

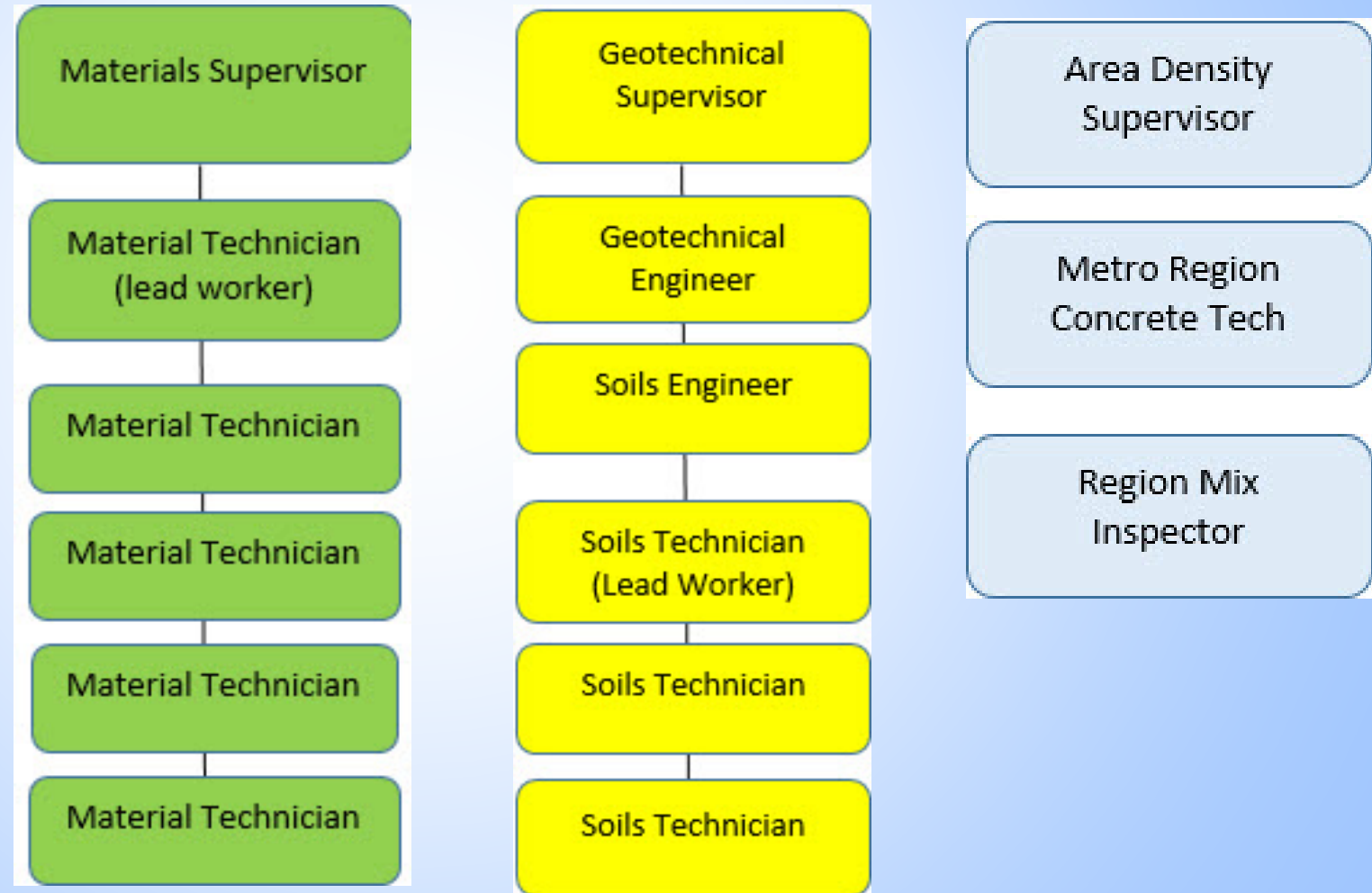
LTAP Contract Management Conference

March 29, 2017

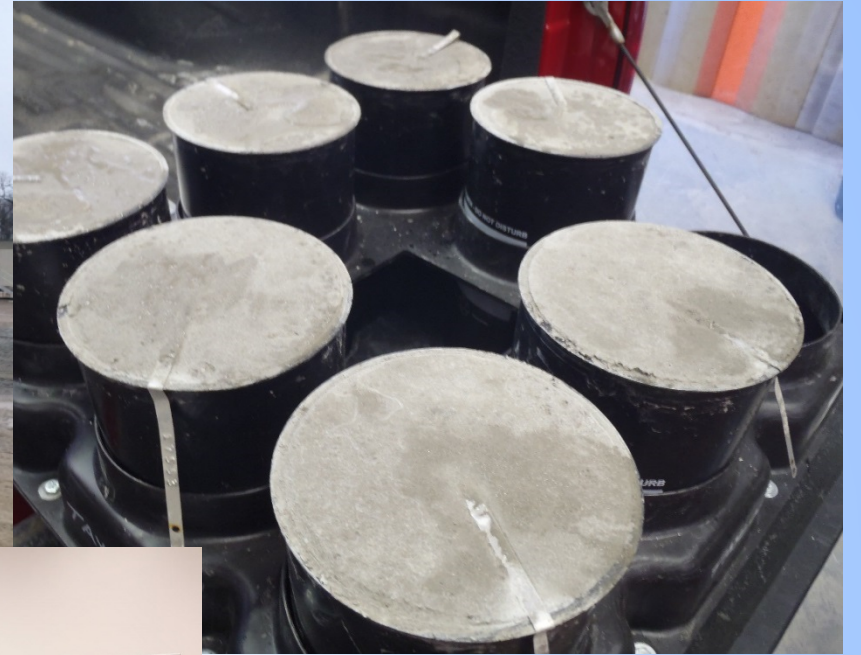
# Area of Coverage



# MDOT Metro Region Materials and Soils (CFS)







# Contract Requirements for Materials

- MDOT Standard Specifications for Construction
  - Section 105 Control of Materials (Page 48)
    - A. Provide new materials
    - B. Upon award provide material information on the MSL
    - C. Notify the Engineer in writing, 7 days prior to being required on site
    - D. Change the source only after providing reasonable time for testing
    - E. Provide the required documentation (certs,



# Additional Section 105 Standard Specifications

- If the Department determines that a source of supply does not provide an acceptable product as required by the contract, the Engineer may require the Contractor to provide acceptable material from other sources.
- MDOT Construction Manual Section 105
  - The MSL is required for payment of associated work items.

CLEAR FORM

Completed by  
the Office  
Technician

Michigan Department Of Transportation 0501 (07/13)		<h1 style="margin: 0;">MATERIALS SOURCE LIST</h1>		Seq 015		Page ____ of ____ File 300					
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>REVIEWED</b> By Joseph Muscat at 8:17 am, Mar 11, 2017         </div>		<b>Additional Page</b>									
<b>INSTRUCTIONS:</b> Use the "Materials Source Guide" for material name and specification number. Enter "SP" for MDOT SPEC # for materials specified by special provision. To avoid delays, submit as soon as possible. No testing of materials will be conducted until forms are received. Submit to Construction/Project Engineer. Construction/Project Engineer to forward to Region Materials Supervisor. (Please Print or Type all Fields)											
<b>CONSTRUCTION/PROJECT ENGINEER</b> Jim Petronski				<b>CONTRACTOR</b> Action Traffic Maintenance		<b>CONTROL SECTION</b> ST 50022					
<b>PROJECT LOCATION</b> M-59 , Macomb County				<b>JOB NUMBER</b> 111361A							
				FOR OFFICE USE ONLY (Owner Agency)							
MDOT SPEC #	MDOT MATERIAL/PRODUCT NAME	TYPE/SIZE or CLASS	APPX. QTY.	SOURCE OF MATERIAL (NAME, ADDRESS, LOCATION, PR #)	BASIS OF ACCEPTANCE					REMARKS/OTHER	
					TEST	T.S.	V.I.	GPL	CERTS		
907	Chain Link W Wire Rope Vinyl	72 inch	2757 ft	Stephens Pipe and Steel						GC	
907.04A	Chain Link ,Fabric W/Hardware	48 inch	264 ft	3314 Union St. SE						TDC	
907.04D & E	Fence Gate 12ft Chain Link W/Wire	Vinyl 72 inc	3 ea	Wyoming, MI 49548-2312			x				
919	Timber Rub Rail		435 ft	Burt Forest						GC	Sp pg 251
				227 Felch St,Ann Arbor ,Mi 48107							
919.04	Dr Marker Post		113 ea	Chicago Heights Steel						TDC	
				211 E Main St.							
				Chicago Heights Il 60411							
701	Concrete	S2	70 cyds	Superior Materials	X						
				6750 Sims Dr, Sterling Heights ,Mi 48313							
please list admixtures QPL / GC											
<input type="checkbox"/> Check here if there are any revisions. Mark any revisions with an asterisk.											
<b>OWNER AGENCY (Rep. Signature)</b> Octavia C Carrington				<b>PRINT NAME</b> Kevi Brocklebank  <b>PRINT NAME</b> Octavia Carrington				<b>TELEPHONE NUMBER</b> 810-695-7516  <b>TELEPHONE NUMBER</b> 248-640-9808		<b>DATE SUBMITTED</b> 3/9/2017  <b>DATE RECEIVED</b>	
<b>CLEAR FORM</b>											



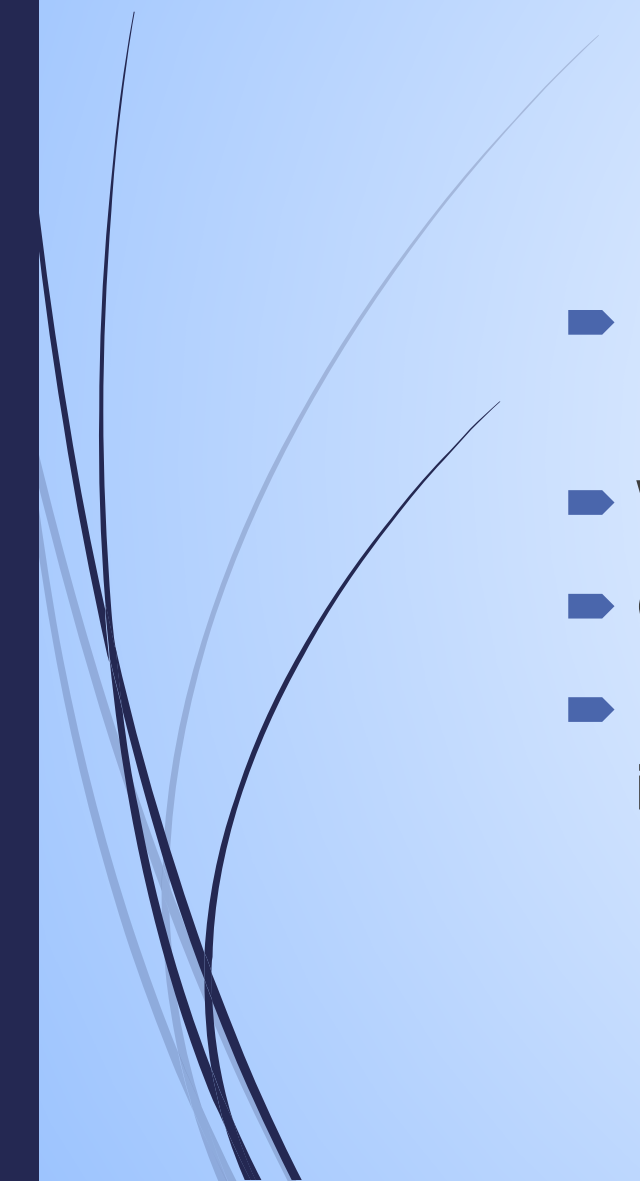


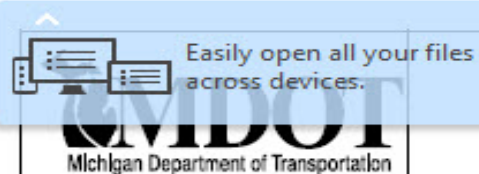
# Field Verification and Documentation

- Checking IDRs for material documentation
  - What materials were used in the work?
    - Type of material, product name and number, aggregate pit number
  - Was the material in acceptable condition at the time of placement?
  - Is the correct material documentation in the file?
    - Certifications, test results, tested stock forms
  - Give the Inspector a copy of the MSL
  - Send the contractor material deficiency reports with each estimate and obtain the proper documentation prior to payment.



# Metro Region MSL project

- 
- Increase communication between the field and the Metro Lab
  - Work from a single MSL document
  - Created a single point of contact for the Metro Lab
  - Ensure that tests are completed prior to material incorporation into the work



Structures Technical Section  
Secondary Governmental Complex  
P.O. Box 30049  
Lansing, Michigan 48909

Job Number	79784
Control Section Identity	82023
Laboratory No.	13A-510
Date	6-27-13

### REPORT OF TEST

Report on sample of <b>Anchor Bolts</b>				
Date sampled 6-19-13		Date received 6-19-13		
Source of material Vulcan Threaded Products / Dyson / Technical Stamping				
Sampled from Dan's Excavating		Quantity represented 30		
Submitted by M. Comacchia		Size 1 3/4" x 72"		
Intended use Strain Pole		Specification 2012 Mdot Standard Specifications, F1554, gr. 105		
	Bolt	Nut	Washer	
Lot Number	N/A	DCWL	0811-466	
Heat Number	DL1010521802	111099	A28389	
Product Markings	FSA105	FSADH/2H	TSIF436	
	Test Method	Test Results	Specification Limit	
			Minimum	Maximum
Type A Certifications, Dimensions	A194M, A563M(s1), F436M, Plans	Pass	Required	
Yield Strength, psi	A370M	122420	105000	
Ultimate Strength, psi	A370M	138900	125000	150000
Elongation, %	A370M	23	15	
Reduction In Area, %	A370M	57	45	

## AGGREGATE INSPECTION DAILY REPORT

DISTRIBUTION: ORIGINAL-Project Engineer, COPY-Construction & Technology Lansing Region Materials Supervisor, Region Materials Supervisor, Using Region (when applicable) File 306

PROJECT ENGINEER	JOB NO.	REPORT NO.	PAGE 1 OF 1
Alan Ostrowski MDOT Oakland TSC	115576A	1	
CONTROL SECTION		DATE TESTED	
63174		11/22/16	

PIT NAME	PIT NO.	PRODUCER	CONTRACTOR
Presque Isle	71-047	Lafarge Materials	Ajax Paving Industries

TEST NO.	SPECIFICATION	SAMPLED FROM: <div><input type="checkbox"/> Car Init. &amp; No. <input type="checkbox"/> Truck No. <input checked="" type="checkbox"/> Stock Pile</div>	CUMULATIVE PERCENT PASSING															LOSS BY WASHING	FINENESS	MODULUS	CRUSHED MATERIAL	ORGANIC	PLATE NO.	CLAY/IRON-STONE	(1) SOFT PART- ICLES INCL. CLAY- IRON- STONE	(2) CHERT	SUM OF SOFT PART- ICLES AND CHERT		
			SPECIFICATION REQUIREMENTS																										
			SIEVE OPENINGS - INCHES OR SIEVE NUMBER																										
			2-1/2"	2"	1-1/2"	1"	3/4"	1/2"	3/8"	1/4"	4	8	16	30	50	100	200												
1	INT. AGG.	Batch Plant					97	81	56		14	6	5	4	4	4	3.0												
2	INT. AGG.																												
3	INT. AGG.																												
4	INT. AGG.																												
5	INT. AGG.																												
6	INT. AGG.																												
7	INT. AGG.																												
8	INT. AGG.																												
9	INT. AGG.																												
10	INT. AGG.																												

MATERIAL (Specifications)	CGA	INT. AGG.	SPECIAL PROVISIONS / SUPPLEMENTALS / MODIFICATIONS
* CUBIC YARDS or TONS TESTED		5000	
* PREVIOUS CUMULATIVE TOTAL		15000	
* CUMULATIVE TOTAL TESTED TO DATE		20000	
* QUANTITIES BASED ON CONTRACTOR'S ESTIMATE			

REMARKS

THIS MATERIAL	<input checked="" type="checkbox"/> DOES	<input type="checkbox"/> DOES NOT	MEET SPECIFICATION	AGGREGATE INSPECTOR (Signature)	DATE
IT IS	<input checked="" type="checkbox"/> ACCEPTED	<input type="checkbox"/> NOT ACCEPTED		Vincenzo D'Amore	11/22/16

Digitally signed by Vincenzo D'Amore  
DN: cn=Vincenzo D'Amore, o=MDOT, ou=Metro Region  
Construction and Technology, email=damoren@mdot.state.mi.us  
Date: 2016.11.23.17:25:43 -0500





# REPORT OF TEST

## GENERAL

Control Section Identification	82112
Job No.	127772A
Laboratory No.	16S-298
Date	July 14, 2016

Report of Sample of	Geocomposite Wall Joint Drain - Hanes TerraDrain Sheet 54		
Date Sampled	May 28, 2016	Date Received	June 30, 2016
Source of Material	HD Supply Waterworks (Consigned to Z Contractors, Inc)		
Sampled From	Job Site	Quantity Represented	1,000 Lft (or Less)
Submitted By	J. Muscat, Transportation Technician		
Intended Use	Wall Drain	Specification	2012 Standard, 12SP-901A-01

## TEST RESULTS

Material Properties	Test Method	Specification Requirement	Test Results
<b>Geotextile:</b>			
Grab Tensile Strength, lbs	D4632	90 minimum	78** *
Trapezoid Tear Strength, lbs	D4533	45 minimum	37** *
CBR Puncture Strength, lbs	D6241	230 minimum	***
Apparent Opening Size, mm	D4751	0.212 maximum	0.273 *
Permittivity (Falling Head), sec <sup>-1</sup>	D4491	0.5 minimum	3.8
<b>Drainage Core:</b>			
Compressive Strength, psf	MTM 411	4000 minimum	5439
Deformation, %	MTM 411	18 maximum	18%
Thickness, inch	D1777	not specified	0.273

ProjectWise Explorer V8i (SELECTseries 4)

Datasource Folder Document Export Send Links View Tools Window Help

Address pw:\HCS591PWISPA901.som.ad.state.mi.us:MDOTProjectWise\Documents\I-75 Modernization

Open document

- 4 - Marked Final ROW
- 5 - OEC Plans
- 6 - Letting Plans and Proposal
- 7 - As Builts and Revisions
- Awards
- Construction
  - Contractor In Box
  - MDOT In Box
  - 000- Plans and Books
  - 100- Administration
  - 200- Field Records
  - 300- Materials Testing
  - 400- Internal Use Only
  - Field Services
- Historical Plans and Links
- Plan Set
- Pre-Construction
- Rejected - Letting Plans and Proposal
- Saved Searches
- 122108 I-75 Modernization ROW
- 122109 I-75 Modernization ROW
- 122317
- I-94 Modernization
- Macomb TSC
- Oakland TSC
- Port Huron TSC
- Region Hiring Resources
- Region Projects
- Regionwide Bridge
- Regionwide C&T
- Regionwide Connected Vehicles
- Regionwide Development
- Regionwide Environmental
- Regionwide Freeway Lighting

File Name File Size St

DO NOT CHANGE STATE ON THIS FILE 0 KB C

Project Properties Folder Properties Dependency Viewer

Properties (Project Type - Project)

JOB_NO	115576
CS_MAJOR	63174
PROJ_MGR	DATTAS@michigan.gov
SYSTEM_ENG	ForbesC@Michigan.gov
CON_ENG	
CON_OFFCTECH	
TSC_MGR	
CON_REG_ENG	PawloskiG@Michigan.gov
REG_MATL_SUP	ComacchiaM@michigan.gov
FHWA_AREA_ENG	Julie.Johnston@dot.gov
CONTRACTOR	
ROUTE_NO	I-75
LOCATION_DESC	from north of Coolidge Road to South Boulevard
CS_NUM_MINOR	
REGION	Metro
WORK_TYPE	Reconstruction
APPR_LET_DATE	5/6/2016
ACT_LET_DATE	
LET_WITH_JOBS	
ITEM_NO	

Open document

## MATERIALS SOURCE LIST

Additional Page

Page 1 of 1

File 300

**REVIEWED**

By muscatj at 10:15 am, Mar 27, 2017

**INSTRUCTIONS:** Use the "Materials Source Guide" for material name and specification number. Enter "SP" for MDOT SPEC # for materials specified by special provision. To avoid delays, submit as soon as possible. No testing of materials will be conducted until forms are received. Submit to Construction/Project Engineer. Construction/Project Engineer to forward to Region Materials Supervisor. (Please Print or Type all Fields)

**CONSTRUCTION/PROJECT ENGINEER**  
James Petronski, MDOT Macomb TSC

**CONTRACTOR**  
ABC Contracting

**CONTROL SECTION**  
50022

**JOB NUMBER**  
111361

**PROJECT LOCATION**

M-59 from M-53 to just East of Heydenrich Road in the cities of Sterling Heights, Utica and Macomb Twp

FOR OFFICE USE ONLY (Owner Agency)

MDOT SPEC #	MDOT MATERIAL/PRODUCT NAME	TYPE/SIZE or CLASS	APPX. QTY.	SOURCE OF MATERIAL (NAME, ADDRESS, LOCATION, PIT #)	BASIS OF ACCEPTANCE					REMARKS/OTHER
					TEST	T.S.	V.I.	GPL	CERTS	
902	Coarse Aggregate	6AA	10,000 T	Sylvania Minerals Pit # 58-013	x					app.pit.no concrete use
902	Open Graded Aggregate	4G CC	50,000 T	Mid Michigan Materials Pit #82-031	x					test every 1000 ton
902	Open Graded Aggregate	34R	1,500 T	Tecumseh Pit # 46-051	x					Test appr pit
902	Granular Material	Class II	65,000 T	American Agg Buno Rd. Pit # 47-016	x					Test, check pit address
910.03	Underdrain Pipe, OG, 6 inch (N04.5)	6" x 100'	14,700 Ft	Hanes Geoproducts Rupp Pit?					x	not listed appr manf
				38160 Amrhein Rd. Livonia, Mi 48150						
916.02	Erosion control, silt Fence	36" x100'	7,800 sy	Hanes Geoproducts this address not in MSG					x	appr manf cert required
				38160 Amrhein Rd. Livonia, Mi 48150						
910.03	Geotextile, Separator Woven	15' x 300'	81500 sy	Hanes Geoproducts	x					appr manf cert required
				38150 Amrhein Rd. Livonia, Mi 48150						Test for acceptance
910.03	Geotextile, Trench Liner	7.5' x 300'	15000 sy	Hanes Geoproducts	x					appr manf cert required
				38150 Amrhein Rd. Livonia, MI 48150						

☐ Check here if there are any revisions. Mark any revisions with an asterisk.

muscatj  
3/27/2017 10:12:44AM

fabric must be on GPL

appr manf cert required

Test for acceptance

appr manf cert required



# Questions?



Contact information:

James Siler

[silerj@Michigan.gov](mailto:silerj@Michigan.gov)

(810) 459-5551