

2020 CONTRACT MANAGEMENT CONFERENCE

CONTRACT DOCUMENTATION UPDATES
MARCH 4TH 2020

Mohammad Azam
Operations Review Engineer

Sign up for updates

WWW.Michigan.gov/MDOT

Roads and Travel

Public Transportation

Rail

Bridges and Structures

News and Information

Projects and Programs

Maps

Reports, Publications
Specs

About MDOT

Doing Business

Aeronautics

Title VI Nondiscrimination

Sign up for email from MDOT!



Mon 12/30/2019 1:48 PM

Michigan Dept of Transportation <MDOT@govsubscriptions.michigan.gov>

January 2020 - MDOT Construction Manual Updates

To Azam, Mohammad (MDOT)

Email Updates

To sign up for updates or to access your subscriber preferences, please enter your contact information below.


Subscription Type


Email

Email Address *

☐ Highway Field Services

☒ Construction Field Services 

☐ Maintenance Advisories 

☒ Research Stakeholders 

☐ SPRII RFP Announcement 

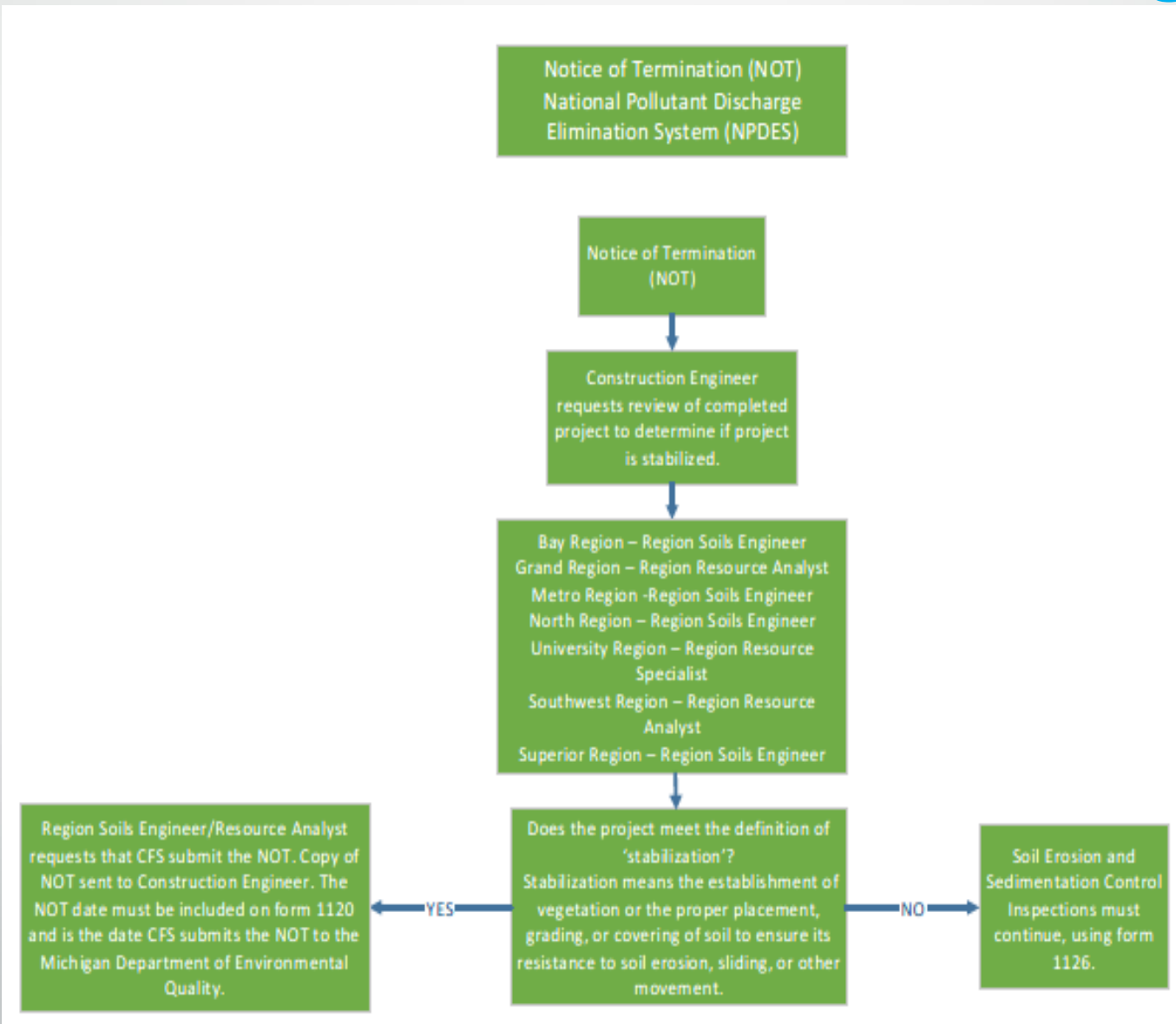
☒ Work Zone Safety and Mobility 

Construction Manual – Major & Minor Changes

Updated	Division	Section	Summary
2/12/2020	1	102.02	Updated to Boilerplate Progress Clause Template (Revision 2/10/2020)
01/23/2020	1	104.07	Update to Worker Visibility information and photos
01/21/2020	1	102	Update to Local Agency Boilerplate Preconstruction Meeting Minutes - January 2020

Updated	Division	Section	Summary
2/21/2020	1	103.02	General Contract Modification Information Format Revision
2/13/2020	E-Construction	Standard Naming Convention for Documents	Updated Naming Convention Table to reflect recent changes. Also included updated PDF and XLSX files (Rev 2-13-20)
02/13/2020	1 Supplemental	Certification Programs	Updated Engineer Record Certification List
01/22/2020	Prevailing Wage Oversight Procedures	Jobsite Posting	Updated contact information on the Title VI Poster and Coordinator site information

Construction Manual – Minor Changes



Construction Manual – Minor Changes

Updated	Division	Section	Summary
10/3/2019	8	811	Removal of references to outdated paint marking turn arrows
8/22/2019	1	107.09	Update related to the process for archeological findings
7/11/2019	2	208	Added 2 flowcharts for Notice of Coverage (NOC) and Notice of Termination (NOT) in section 208 between "Notification" and "Training". Also updated language to reflect recent name change of the "Michigan Department of Environmental Quality (MDEQ)" to the "Michigan Department of Environment, Great Lakes, and Energy (EGLE)"
6/25/2019	1	107.19	Removed Hauling Route Permit Guidance
6/20/2019	E-Construction	Standard Naming Convention for Documents	Updated Naming Convention Table to reflect recent changes.
6/17/2019	1 Supplemental	Certification Programs	Updated Engineer Record Certification List
5/20/2019	1	102.02	Added Barrier Gates and Work Zone Speed Trailers to "Typical Long-Lead Items" table
4/17/2019	1	102.02	Minor update to heading of Column 2 for Typical Long-Lead Items
4/1/2019	1	102.02	Added Delineator and 3# U-Channel Posts to Typical Long-Lead Items table
3/14/2019	7	715	Updated content related to: Health and Safety, Respiratory Protection and Protective Equipment, Medical Surveillance, Exposure Monitoring, Hygiene Facilities, and Lead Awareness Training
3/13/2019	1	102.02	Added Strain Poles to Typical Long-Lead Items table
1/22/2019	7	718	Provided clarification relating to Tremie Tube Concrete Placement along with inspection of shaft after Placing Steel Reinforcement cage
1/16/2019	1	109.05	Clarification related to small tools for Force Account Work

Construction Manual – Minor Changes

Updated June 2019

File	Description	MDOT Form #	Minimum Element Component Naming Examples
100	ADMINISTRATION		
	Workzone Enforcement Contracts		
	Work Zone Agreements (MSP)		WZA MSP YYYY-MM-DD Job Number
	Work Zone Agreements (Local)		WZA Local YYYY-MM-DD Job Number
	Force Account Daily Field Record	1101A	1101A YYYY-MM-DD GJM Rut Filling ABC Contracting
	Final 2124A	2124A	2124A ABC Contracting
	Inspector's Report of Concrete placed - Roadway	1174R	1174R YYYY-MM-DD GJM
	Inspector's Report of Concrete placed - Structure	1174S	1174S YYYY-MM-DD GJM
	Concrete Quality Assurance Plan		Conc QA Plan YYYY-MM-DD
	Concrete Quality Control Plan		Conc QC Plan YYYY-MM-DD
	HMA Quality Assurance Plan	587	587 HMA QA Plan
	HMA Quality Control Plan		HMA QC Plan
	Minimum Wage Rate - Interview Sheet Tier1	1156-T1	1156-T1 Last Name YYYY-MM-DD ABC Contracting
	Contractor Performance Evaluations(CPE)		CPE Interim ABC Contracting CPE Final ABC Contracting

Construction Manual – Minor Changes

Updated as of February 13th, 2020

File	Description	MDOT Form #	Minimum Element Component Naming Examples
102	Sub-Contracts		
	Subcontract - FED	1302-FED	1302-FED ABC Contracting
	Subcontract - State	1302-State	1302-State ABC Contracting
106 (cont.)	Engineer Certification		
	Engineer Certification/Final Project Reviews Contract/Related Documents Checklist	1969	1969
	Engineer Certification/Final Project Reviews Construction Item/IDR Checklist	1970	1970
	Engineer Certification and Final Project Reviews-HMA Items Checklist	1971	1971
	Engineer Certification and Final Project Reviews- Material Review Checklist	1972	1972
	Engineer Certification and Final Project Reviews- Concrete Items Review Checklist	1973	1973
201-2	Staking Request	5300	5300 YYYY-MM-DD
203	Aggregate Scale check		Scale check Producer Name YYYY-MM-DD

Construction Manual – Minor Changes

Updated as of February 13th, 2020

205	Longitudinal Joint Core Location Worksheet	5621	5621 YYYY-MM-DD Mix Type Lot 1 Sublot 2
	HMA Sample Identification	5622	5622 YYYY-MM-DD Mix Type
	Core Sample Identification Worksheet	5623	5623 YYYY-MM-DD Mix Type
	Mainline Core Location Worksheet	5624	5624 YYYY-MM-DD Mix Type Lot 1 Sublot 2
	STA HMA Accumulation and Random Tonnage Worksheet	5625	5625 YYYY-MM-DD Mix Type Lot 1 Sublot 2
	PWL HMA Accumulation and Random Tonnage Worksheet	5626	5626 YYYY-MM-DD Mix Type Lot 1 Sublot 2
207	Test Pile Records, LRFD	1157L	1157L YYYY-MM-DD GJM S02
	Drilled Shaft Inspection Records for Highway Signs	1988	1988 YYYY-MM-DD GJM S02
307	Structure		
	LRFD Pile and Driving Equipment Data	1956	1956 YYYY-MM-DD GJM S02

Construction Manual – Major Changes

Updated	Division	Section	Summary
9/26/2019	1	105	2019 Summary of revisions to the Materials Quality Assurance Procedures Manual
9/26/2019	8	811	Permanent Pavement Markings Field Inspection and Processing of Progress Payments: Updated new content
9/18/2019	6	602	Load Transfer Assemblies: Updated new content and included Presentation for Load Transfer Assemblies Inspections
9/18/2018	8	811	Updated Paint pricing for 2019
8/30/2019	1	102	Update to Trunkline Boilerplate Preconstruction Meeting Minutes - 2019
8/20/2019	1 Supplemental	FieldManager	New guidance related to the Standard Rounding Convention
7/31/2019	Main Page	Main Page	July update to the Documentation Guide which includes corrections related to density requirements. It also includes updated language related to the "e-Final Project Review Procedures" 
6/26/2019	1	109	Updated: Final Project Review Procedures to the new "e-Final Project Review Procedures"
5/28/2019	1	102.02	Updated to Boilerplate Progress Clause Template
4/9/2019	1	103.02	Updates and clarifications related to Detailed Contract Modification Information area as well as the Design Issue/Premium Costs area related to Contract Revisions
3/19/2019	1	103.02	Provided link to current Local Agency Programs Section Federal Guidelines 
3/19/2019	1	102	Preconstruction Meeting Minutes Boilerplate - Local Agency 
3/6/2019	1	102.02	Removed old production rate information and replaced with new .xlsx file containing updated production rate information 

Rounding Convention

Unit	Type	Accuracy
Acre	Area	0.000
Sft	Area	0.00
Sin	Area	0.00
Syd	Area	0.00
Dlr	Dollar	0.00
Ea	Each	0.00
Ft	Length	0.00
Lnmi	Length	0.000
Mile	Length	0.000
Rbmi	Length	0.000
Sta	Length	0.00
Cft	Volume	0.00
Cyd	Volume	0.00
Gal	Volume	0.00
Lb	Weight	0.00
Ton	Weight	0.00

Syd posting

$$12.25 \times 55.18 = 675.955 \text{ Sft}$$

+

$$12.12 \times 44.30 = 536.916 \text{ Sft}$$

+

$$1.81 \times 19.54 = 35.367 \text{ Sft}$$

$$\text{Total: } 1248.238 \text{ Sft} / 9 = \underline{138.693 \text{ Syd}}$$

Posting: **138.69 Syd**

Cyd Posting

$$12.25 \times 55.18 \times 1.12 = 757.070 \text{ Cft}$$

+

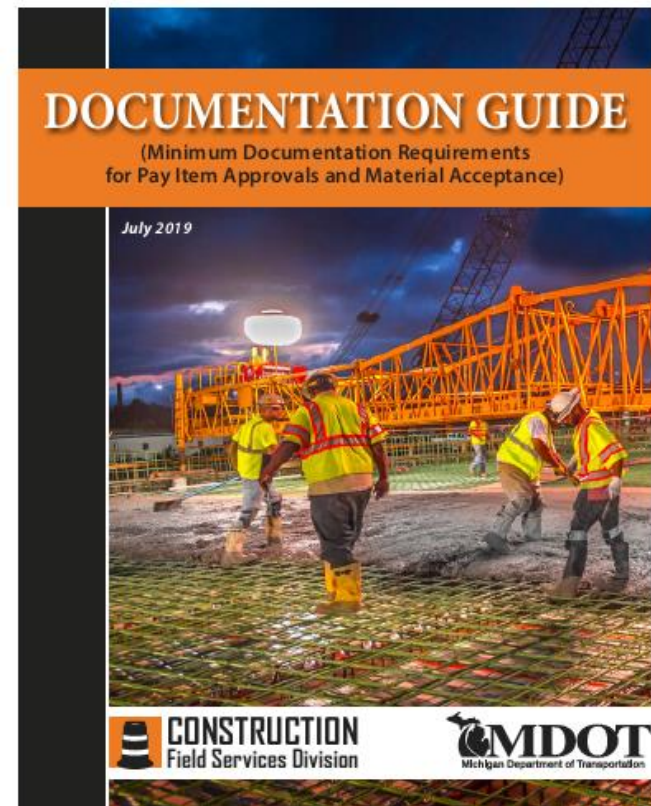
$$12.12 \times 44.31 \times 1.11 = 596.111 \text{ Cft}$$

$$\text{Total: } 1353.181 \text{ Cft} / 27 = \underline{50.118 \text{ Cyd}}$$

Posting: **50.12 Cyd**

Construction Manual – Major Changes Documentation Guide Updates

Corrections related to density requirements



8230150 – 8230181

WATER MAIN

Pg 2 of 2

3. ~~Density Reports~~

- ~~a. Review reports to see that all test and retests meet MDOT requirements (see form 0582B).~~
- ~~b. All density reports are to be placed in ProjectWise on a weekly basis as a minimum.~~

a. Compact to 95% of maximum unit weight with a minimum testing frequency of one test per 300 cubic yards, and regardless of the volume of material placed, a minimum of one test must be taken for each layer.

b. All density reports are to be placed in ProjectWise on a daily basis and must be sent weekly to the Area Density Specialist and the Lansing Density Technology Unit at a minimum.

Construction Manual – Major Changes

Updated	Division	Section	Summary
9/26/2019	1	105	2019 Summary of revisions to the Materials Quality Assurance Procedures Manual
9/26/2019	8	811	Permanent Pavement Markings Field Inspection and Processing of Progress Payments: Updated new content
9/18/2019	6	602	Load Transfer Assemblies: Updated new content and included Presentation for Load Transfer Assemblies Inspections
9/18/2018	8	811	Updated Paint pricing for 2019
8/30/2019	1	102	Update to Trunkline Boilerplate Preconstruction Meeting Minutes - 2019
8/20/2019	1 Supplemental	FieldManager	New guidance related to the Standard Rounding Convention
7/31/2019	Main Page	Main Page	July update to the Documentation Guide which includes corrections related to density requirements. It also includes updated language related to the "e-Final Project Review Procedures" 
6/26/2019	1	109	Updated: Final Project Review Procedures to the new "e-Final Project Review Procedures"
5/28/2019	1	102.02	Updated to Boilerplate Progress Clause Template
4/9/2019	1	103.02	Updates and clarifications related to Detailed Contract Modification Information area as well as the Design Issue/Premium Costs area related to Contract Revisions
3/19/2019	1	103.02	Provided link to current Local Agency Programs Section Federal Guidelines 
3/19/2019	1	102	Preconstruction Meeting Minutes Boilerplate - Local Agency 
3/6/2019	1	102.02	Removed old production rate information and replaced with new .xlsx file containing updated production rate information 

Contractor Naming Conventions

Construction Field Services - Reference

- Buy America - Compliance Listing for Approved Manufacturers, Qualified Products List and Tested Stock Suppliers
- Buy America - Pay Items and Materials that Require Step Certification (effective for projects let before November 2, 2012) 
- Buy America - Pay Items and Materials that Require Step Certification (effective for projects let on or after November 2, 2012) 
- Certified Payroll Status Record 
- Construction Claim Procedure (MDOT's Written Claim Procedure) 
- Contractor Performance Evaluation Criteria 
- **Contractor Standard Naming Conventions for Document Submittals** 
- Critical Path Method (CPM) Scheduling
- Demonstration Project Evaluation Process 
- Dispute Review Board (DRB)
- Guidelines for Administering Warranties - Road & Bridge Construction Contracts 
- Manual for Assessing Safety Hardware (MASH) Compliance Guidance for Temporary Traffic Control Devices in Work Zones 
- Report 44 - State Highway Bridges, Culverts and Grade Separations
- Sworn Statements and Waivers of Lien Documentation 
- Technician Certifications
- Traffic Control Items Paid For As Each or Foot (effective May 4, 2018) 
- Work Element Plan for Engineering Technicians 

CURRENT AND FUTURE MATERIAL SOURCE LIST(MSL) – FORM 501 CHANGE

Current MSL

FOR OFFICE USE ONLY (Owner Agency)					
BASIS OF ACCEPTANCE					REMARKS/OTHER
TEST	T.S.	V.I.	QPL	CERTS	

Future MSL

FOR OFFICE USE ONLY (Owner Agency)			
BASIS OF ACCEPTANCE			REMARKS/OTHER
TEST	V.I.	CERTS	
			General Certification
			Test Data Certification
			Qualified Product List
			Approved Manufacturer/Supplier
			Approved Manufacturer/Supplier, QPL
			Approved Manufacturer/Supplier, BA
			General Certification, BA
			Test Data Certification, BA
			Fabrication Inspection

CROSS-REFERENCING

Change Material Joint Filler, Fiber (Contract: 00001-00001)

General Approvals Items

Material Description: Joint Filler, Fiber Qual/Cert Prod: Yes

Unit: Syd Qty. Approved: N/A Qty. Used: 0.00 Qty. Available: N/A

Find Form Date:

Form Date	File	Form	Seq. No.	Quantity Approved	Source	Lot No.	Entry Date
08/07/2017	E300	501	32	0.00	North	309-Cert 006	08/07/2017

300- Materials Testing

- 300 - Material Source List
- 301 - Density
- 303 - Bases
- 304 - Drainage
- 305 - Hot Mix Asphalt (HMA)
- 306-1 - Concrete Cylinder Break
- 306 - Concrete
- 307 - Structure
- 308-1 - Traffic
- 308 - Miscellaneous
- 309 - Material Certifications
- 400- Internal Use Only

0501 001 2019-1-16 ECK.pdf

0501 002 2018-12-17 PK

0501 003 2019-02-12 ATM Concrete.pdf

0501 004 2018-12-4 HSC.pdf

0501 005 2018-12-19 Pneumatic.pdf

0501 005R 2019-03-25 Pneumatic Restoration.pdf

0501 006 2019-01-23 MJC.pdf

0501 007 2018-12-17 NERC.pdf

0501 008 2019-05-06 ZCI (s).pdf

0501 009 2019-04-18 ZCI (s).pdf

0501 010 2019-05-06 ZCI (s).pdf

0501 011 2019-04-26 DEI (McCoig Materials).pdf

308 - Miscellaneous

- 309 - Material Certifications
- 400- Internal Use Only
- Field Services
- DELETE - 1 - Scope Verification
- Historical Plans and Links
- JN 113125 (Second Avenue Bridge)
- Plan Set
- Pre-Construction
- Saved Searches
- 113125B House Demo
- 113126_CD
- 113127, 113551_FRE_CCD
- 113551_CCD (Let with 113127)
- 113552_MTE

Cert 001 2019-1-28 Steel Pile

Cert 001 2019-07-17 DS Brown, Elastomeric Bearing Pads S05.pdf

Cert 001R 2019-1-28 Steel Pile ZCI.pdf

Cert 002 2018-12-18 Temporary Traffic Control, State Barricades.pdf

Cert 002 2019-04-23 State Barricades Conc Water Filled Barrier Endings 113125.pdf

Cert 003 2018-12-17 Straw Mulch Blanket S1000, NERC.pdf

Cert 004 2018-12-17 Straw Mulch Blanket S2000, NERC.pdf

Cert 005 2018-12-17 Performance Seed Mix, NERC.pdf

Cert 006 2018-12-12 Casing, Highway Service.pdf

Cert 007 2018-12-21 Resteel, Highway Service.pdf

Cert 008 2019-04-01 TMA, ZCI.pdf

Cert 008 2019-04-18 TMA, R1, ZCI.pdf

Cert 009 2018-12-18 Temporary Concrete Barrier, ZCI

Cert 009 2018-05-06 R1 TMA and TCR - ZCI(s).pdf

THANK YOU



Mohammad Azam
Operations Review Engineer
Cell: (517) 243-7836
Email: azamM1@michigan.gov