

Local Agency Program Construction

Contract Management Conference
March 29, 2017

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Construction Field Services (Central Office)
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Code of Federal Regulations, Title 23 (Highways)



U.S. Department of Transportation
Federal Highway Administration

State DOT responsible

for all federal-aid highway projects
developed & delivered in their state

<http://www.fhwa.dot.gov/legsregs/directives/cfr23toc.htm>

MDOT TSC Designated Representative/Designee



- Construction Liaison between MDOT/Local Agency
- Provides Assistance/Guidance
- Oversight for State/Federal Conformance

TSC DR's

Phases of Involvement

- Base Plan/Plan Review Meeting (GI)
- Pre-Construction Meeting
- Interim Project Assistance/Guidance
- Interim Site Visit
- Contract Modification Approvals
- Final Inspection
- Contractor Claims
- Project Close-out

LA's CE Responsibilities

- Keep in contact with DR's
- Material testing/documentation
- Field Inspection
- Wage Rate Interviews
- DBE CUF Monitoring
- Subcontract collection/submittal to MDOT
- Prompt Payment Compliance
- Follow MDOT Specification Book
- Not an all-inclusive list!

Think with the end in mind



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Michigan Department of Transportation 1969 (10/14)

CERTIFICATION AND FINAL ESTIMATE REVIEWS CONTRACT AND RELATED DOCUMENTS CHECKLIST

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CONTRACT IDENTIFICATION		FEDERAL NUMBER	
CONTRACTOR		CONSTRUCTION ENGINEER	PROJECT ENGINEER
CONTRACT AMOUNT		AWARD DATE	START DATE
OPEN TO TRAFFIC (Contract)	ACTUAL AMOUNT	SPECIFICATION YEAR	OFFICE TECH. NAME & EXPIRATION DATE
EXTENSION OF TIME CONTRACT MOD. NUMBER AND DATED		LIQUIDATED DAMAGES CONTRACT MOD. NUMBER AND DATED	
COMPLETION DATE (Contract)	COMPLETION DATE (Actual)	ACCEPTANCE DATE	ACTUAL WORK DAYS (If applicable)

The following documents were located in the project files (exceptions noted):

DOCUMENTATION	FILE #
Contract	
Approved Progress Schedule (Form 1130)	
Contractor Notice of Award	
Proposal/Addendum(s)	
Subcontract Agreements (Form 1302A)	
Prime Contractor Bi-weekly Statement of Subcontract/Supplier Payments, Statement of DBE Subcontractor (Form 2124A)	
Post Certification of Subcontract Compliance (Form 1386)	
Contract Modifications Authorized in Field Manager - Signed & Approvals Obtained	
Final Inspection/Acceptance & Certification Report (Form 1120)	
NPDES Reports - Signed, E-mailed/Faxed to CFS Division or Place in Projectwise (Form 1126)	
Contractor Performance Evaluation - Interim/Final (Form 1182)	
Design/Construction Package Evaluation (Form 0285-2)	
http://michigan.gov/mdot/0,1607,7-151-9625_51875--00.html	
Work is Complete and Ready for Inspection Notification Letter (Contractor)	
Bi-Weekly Pay Estimates - Signed within 48 hours	
Payrolls along with checklist (Forms 1952, 1954 and 1955)	
Wage Rate Interviews for Contractor and Subs (Form 1156)	
Jobsite Poster Inspection Checklist (Form 1967)	
Commercially Useful Function (CUF) Project Site Review (Form 4109)	
Pavement Warranty Documentation/Initial Acceptance for Pavement Warranty Work (Form 1029)	
Construction Safety Program	
Name of Contractor's Project Supervisor	
Work Zone Traffic Control Plan	

Michigan Department of Transportation 1971 (02/16)

CERTIFICATION AND FINAL ESTIMATE REVIEWS HMA ITEMS CHECKLIST

CONTRACT ID: _____

ITEM REVIEWED: _____

STANDARD SPEC: _____ SPECIAL PROVISION: _____

ENTRIES TRACED	YES	NO	N/A	FILE #
Yield Calculations				
Delivery Tickets - Proper Identification, Checked, Accumulation Correct				
Street Mix Temperature Documented				
Date Bituminous Plant Certified by TMI in on JMF				
Mix Design /JMF				
Regular Test Job? (Local Agencies Only)				
Moisture & Density - Nuclear Method (Form 092)				
Daily Report of Bituminous Plant Inspection (Form 1903)				
Marshall HMA Mixture with Sampling Behind the Pave Spec. or GA/BC Spec?				
Contractor Quality Control Plan				
Contractor Quality Control Results (Form 1903C)				
Report of Verification / Acceptance Testing and Core Density (Form 1903B) Signed Originals				
Core Density and Core Compaction (Form 1907)				
PWL Spec?				
HMA QA Plan				
HMA QA Plan				
Report of Verification / Acceptance Testing and Core Density (Form 1903B) Signed Originals				
Core Density and Core Compaction (Form 1907)				
Contractor Quality Control Results (Form 1903C) (Test Strip Only)				
PWL SSY Factor Sheet				
The following materials are listed on the Material Source List and are approved?				
Asphalt Cement				
Bond Coat				
Documentation on IDR per CA - 2006-07				
Materials Certification Statement From Contractor (12 spec. 801.02 A-1)				
Independent Assurance Tests (IAT) Only				
Certified Testers and Samplers				
All Forms Properly Identified, Signed, & Dated				
COMMENTS				
REVIEWED BY				

Michigan Department of Transportation 1973 (12/13)

CERTIFICATION AND FINAL ESTIMATE REVIEWS CONCRETE ITEMS REVIEW CHECKLIST

CONTRACT IDENTIFICATION: _____

ITEM REVIEWED: _____

STANDARD SPEC. YEAR: _____ SPECIAL PROVISION(S): _____

ENTRIES TRACED	REMARKS	YES	NO	FILE #
Certificate of Conformance for Concrete Production Facilities. Automatic Control Check	From National Ready Mix Concrete Association (NRMA) Must verify certification with NRMA website: http://www.nrma.org			
Proportioning Scales Report or Calibration of Platform Scales	Every 6 months (same as above)			
Weekly Summary of Certified Concrete from Commercial Central Mix and Transit Mix Plants - (Form 1155)	Used for numbered plants. (Not required in project files if Certification Statement and Source of materials used in mixture are included on concrete tickets.			
Inspector's Report of Concrete Placed (Forms 1174R and 1174Z)	Check for times & water added (Per 601.03)			
Report of Modulus of Rupture/Cylinder Results	Check strengths			
Delivery Tickets - With Stamp Stating Materials Meet MDOT Specifications	Signed, dated, MDOT project identification, batch & discharge times (bridge decks only)			
Independent Assurance Tests for Concrete	By region personnel- Can be documented on IAT database (copy in project file)			
Independent Assurance Tests for Aggregate	Can be documented on IAT database			
JMF Concrete Field Communication	Form 1976			
Aggregate Inspection Reports	Required if aggregates are not from pre-qualified pits. (Reduced acceptance reports required in project files for regions without central materials control)			
Core Record for Thickness of Pavement and Depth of Reinforcement	If applicable			
Thickness & Depth of Reinforcement Price Adjustment	If applicable			
LA Abrasion/Freeze Thaw	Required when pit is not pre-qualified			
Qualified Testers	Required on NHD projects			
Contractor Quality Control Plan				
Quality Control Test Reports				
Alkali - Silica Reactivity				
Lane Ties Pull Out Tests	(per Table 602.1)			
Sidewalk Ramps Conform to Standard Details				
Comments/Conclusions				
REVIEWED BY				

Michigan Department of Transportation 1147 (01/12)

FINAL ESTIMATE REVIEW SUMMARY

DISTRIBUTION: Original - Construction Project Engineer
Copy - Region Construction Engineer
(For Local Agency projects forward original to managing agency. Retain copy for MDOT files)

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CONTROL SECTION	JOB NO.	REGION	FEDERAL PROJECT NO.	FINAL CONTRACT AMT.
CONSTRUCTION PROJECT ENGINEER	CONTRACTOR			REVIEW DATE(S)
PROJECT DESCRIPTION (Location, Limits, Length, Type)				
REVIEW TEAM	(Team Leader)	3.		
	2.	4.		
CONTRACT ITEM SAMPLED	MEASUREMENT FOR SPECIFICATION	SIGNATURE AND IDENTIFICATION	COMPLETE & PRESCRIBED FORM	PROPER TESTING AND PROCEDURE
	YES NO	YES NO	YES NO	YES NO

MDOT Forms 1969, 1147, 1970, 1971, 1973

Common File Review/Deficiencies

- Incomplete/Missing Material Source List
- Missing:
 - Material Associations/Cross-Referencing in FM
 - Yield/Temp checks on HMA
 - Concrete ticket certification statement/signatures
 - Concrete QA/QC plans and/or test results
 - Material Source notation on IDR
 - “VI & VI Accepted” notations on IDR’s
 - Density tests for material placed
- Items paid for without having:
 - Material General Certifications
 - Material Test Data



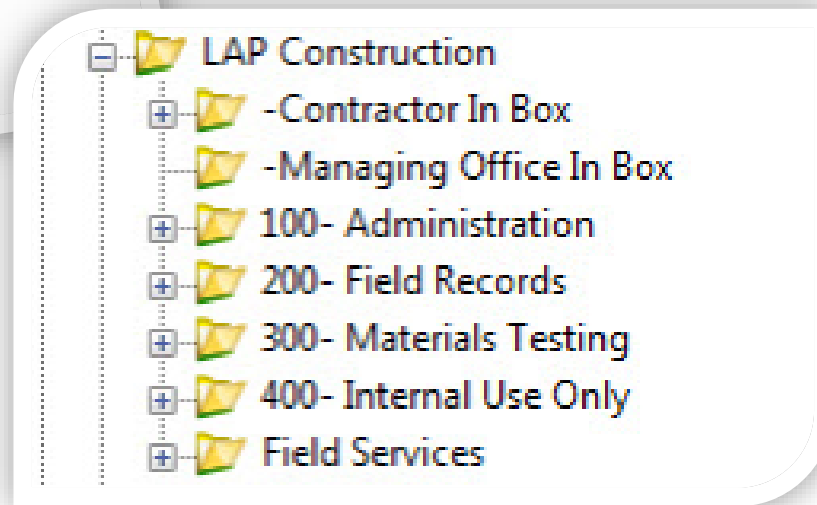
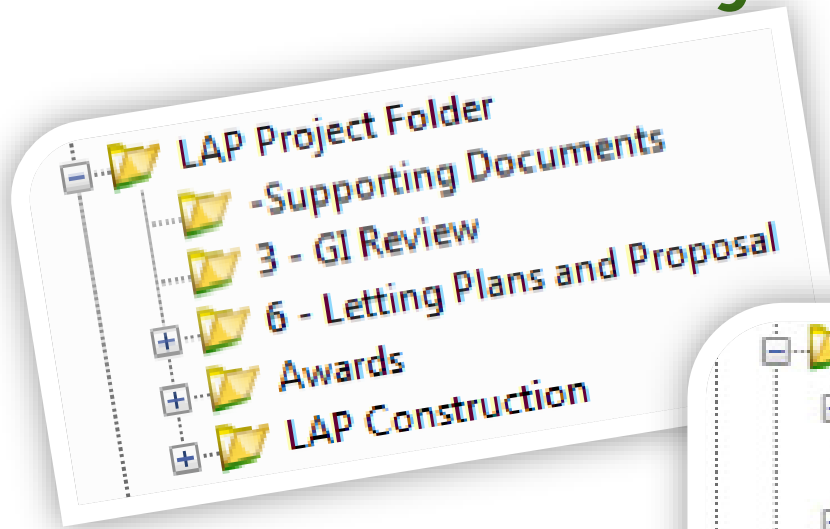
MDOT & Local Agency Common Goals



- Aid Preservation/Program Compliance
- Timely Project Close-out
- Successful Transportation Projects
- Positive Public Perception

e-construction

Standard ProjectWise Template



MDOT Construction Wiki has index for filing

https://mdotwiki.state.mi.us/construction/index.php/Main_Page



Beyond e-construction

- ▶ GI submittals transitioning to electronic
- ▶ Adobe to Co-Sign transition for e-signatures
- ▶ LCP Tracker (available w/TSC support - add via CM) - 12SP-104F-01

A screenshot of the LCP Tracker login page. At the top, there is a blue banner with a key icon and the text 'Login to LCPtracker'. Below the banner, the alphanumeric string 'RD00155D501E62' is visible. A small image shows two people in a professional setting. Below the image are two input fields: 'User ID:' and 'Password:'. At the bottom left, there is a blue 'LOGIN' button and a link for 'Password Help'. At the bottom center, there is a McAfee SECURE logo. At the bottom right, there is a blue button that says 'Know someone who would benefit from LCPTracker? Refer a Friend'. At the very bottom, there is a small copyright notice: '© 2003 - 2015. LCPTracker, Inc. All Rights Reserved.'

Software Login

<http://LCPtracker.net>

Public Site

<http://lcptracker.com>



MDOT Spec Book

2020 Release anticipated
Electronic and hard copy being discussed
Opportunity for LA's to participate via CRA/MML

Wiki CONSTRUCTION MANUAL



Bureau of Field Services Construction Field Services Division

BOHIM's phased out
Construction Advisories getting phased out
Enhancing search functions

Industry News



- Crystalline Silica Dust - MIOSHA-STD-1503 (02/17)
- Bridge - High Strength Bolts
 - ASTM A325 High Strength Bolts now ASTM F3125 Grade A325
- Asbestos Testing/Bridges

Resources

www.michigan.gov/mdotlap

- Plan submittal thru bidding

www.michigan.gov/mdotlocalconstruction

- Construction thru close-out





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