



**ENGINEERING OPERATIONS COMMITTEE
MEETING MINUTES
September 17, 2020, 9:00 A.M. – 11:00 A.M.
VIA TEAMS**

Present: Carol Aldrich Mark Geib Will Thompson
 Mark Bott Jason Gutting Brad Wieferich
 Matt Chynoweth Tony Kratofil Gorette Yung
 Mark Dionise Ryan Mitchell Hal Zweng

Absent: Gregg Brunner Kristin Schuster
 Rebecca Curtis Brandy Solak

Guests: Mary Hoffmeyer Justin Schenkel
 Greg Losch Gregory Waite

OLD BUSINESS

1. Approval of the August 27, 2020 Meeting Minutes – Tony Kratofil

ACTION: Approved

2. Michigan Department of Transportation (MDOT) New Materials and Products – Jason Gutting

- a. New Material Monthly Report of Data

- ❖ Number of Submittals Received (*might possibly add an overall year to date or ongoing number*)
- ❖ Number of Submittals Under Review by Subject Matter Expert (documentation and/or product review, dialogue with manufacturer, etc.)
- ❖ Number of Submittals Being Field Reviewed, Tested, or Engaged with a Pilot Effort
- ❖ Number of Submittals in the Special Provision Development Phase (*ready for 661 reporting*)
- ❖ Number of Submittals Approved (approval by steering committee)
- ❖ Number of Submittals Rejected

ACTION: For information only.

NEW BUSINESS

1. Safety Topic: Pickup truck crash into Taylor Transportation Service Center building.... safety of clear walkways, proper chemical care, clean work areas, etc. – Gorette Yung

ACTION: Information Only

2. Approval of the updated MDOT User Guide for Mechanistic-Empirical Pavement (ME) Design – Justin Schenkel

Issue(s) – To approve the updated MDOT User Guide for ME Pavement Design, (August 2020 edition).

Background – This user guide is intended to help pavement designers use the Pavement ME Design software to design the pavement cross-section on MDOT projects. It provides details on software operation, design types to be used with ME, the inputs to be used, and how to assess the design results. This user guide is based on version 2.3 of the Pavement ME Design software.

This user guide is assembled by the MDOT Construction Field Services Division.

The following is a summary of changes to the MDOT ME User Guide:

- 3.1.8 – Step 8: Add/Delete Layers; Change Material Inputs
 - Minor text clarification.
- Chapter 6 – Calibration Coefficients
 - Updated the following tables/section to show/explain updated Thermal Fracture, Level 1 K calibration coefficients per SPR-1668, Recalibration of Mechanistic-Empirical Rigid Pavement Performance Models and Evaluation of Flexible Pavement Thermal Cracking Model:
 - Table 6-1. Calibration Coefficients for New Flexible
 - Table 6-2. Calibration Coefficients for Rehabilitation Flexible
 - 6.1 – Introduction
- Chapter 10 – Concrete Pavement (New) Layer Inputs
 - Updated the following table/section to show/explain updated CTE values of 5.0 for University/Metro and 4.4 for all other Regions (per change to global coefficients per use of ME v2.3):
 - Table 10-2. Recommended Jointed Plain Concrete Pavement (New) Layer Related Inputs
 - 10.3.2 – Thermal
 -

ACTION: Approved

3. Grand Ledge Public Schools Driveway Permit - Roundabout – Greg Losch/Greg Waite

Issue Statement – Grand Ledge Public Schools (GLPS) Driveway Permit - Roundabout
Major Issue(s) – Permit application for drive on M-43 within Limited Access right of way (ROW), Federal Highway Association (FHWA) requirements to mitigate safety concerns, installation of roundabout on M-43 in Eaton County

Background/History –

- Grand Ledge Public Schools approached MDOT requesting information on how to get driveway access on M-43.
- Discussion regarding access within limited access ROW would involve FHWA approval.
- Alternatives discussed with GLPS, MDOT, FHWA lead to roundabout as the safest, most cost-effective access point.
- We have received resolution of support from the City of Grand Ledge, email response of no-action-required from the Eaton County Road Commission and discussed the project in detail with Oneida Township, receiving a letter of opposition from their board.

Recommendation(s) – Approval of Roundabout on M-43

Status – Currently under permit review. Construction access for other school projects granted.

ACTION: Approved

Carol Aldrich, Secretary
Engineering Operations Committee

RA:lr

cc: EOC Members	C. Libiran (MDOT)	R. Brenke (ACEC)
Meeting Guests	R. Lippert (MDOT)	G. Bukoski (MITA)
Region Engineers (MDOT)	L. Mester (MDOT)	D. DeGraaf (MCA)
Assoc. Region Engineers (MDOT)	C. Newell (MDOT)	C. Mills (APAM)
TSC Managers (MDOT)	T. Schafer (MDOT)	D. Needham (MAA)
L. Doyle (MDOT)	R. Jorgenson (FHWA)	M. Ackerson-Ware (MRPA)