



Meeting Notes

MI State Transportation Innovation Council

September 25, 2023, 10:30 – 11:15 a.m. EST
via Microsoft Teams

Present:

Monica Ackerson (MRPA)	Jason Gutting (MDOT)	Wayne Schoonover (NACE)
Marcus Anderson (DBE)	Wayne Harrall (CRA)	Heidi Spangler (MDOT)
Ron Brenke (ACEC)	Mary Hoffmeyer (MDOT)	Brett Stanton (APAM)
Beckie Curtis (MDOT)	Doug Needham (MAA)	Michael Townley (MDOT)
Tim Colling (LTAP)	Dee Parker (MDOT)	Rachael Tupica (FHWA)
Daniel DeGraff (MCA)	Steve Puuri (CRA)	Rachelle VanDeventer (MITA)
Andrea Dewey (FHWA)	Jean Ruestman (MDOT)	

Absent:

Gregg Brunner (MDOT)	Penny Hunt (MDOT)	Andy Pickard (FHWA)
Ryan Buck (MIWATS)	Bob Lindbeck (CRA)	Brittney Rocha (MI Senate)
Ted Burch (FHWA)	Laura Mester (MDOT)	Terri Slaughter (MDOT)
Eric Chappell (MI House)	Chuck Mills (APAM)	Brad Wieferich (MDOT)
Denise Donohue (CRA)		

Guest: Ryan Snook (MDOT)

1. Opening Remarks: Michael Townley welcomed the group and provided a brief overview of the agenda. He introduced presenter, Ryan Snook.
2. MDOT Cone Penetration Test (CPT) Training and Peer Exchange – Ryan Snook provided presentation (presentation is posted on the [STIC Website](#)).
3. STIC Highlights Meeting Summary – Michael shared PowerPoint overview of the STIC Highlights presentations from 9/13/2023 (select below to view PowerPoint or [STIC Website](#) to view all the presentations).
 - Dynamic Speed Feedback Signs - You see the speed feedback signs in your neighborhood, sometimes in communities is where you get that feedback or in work zones. This was done on a freeway ramp and got some specific feedback on where those signs need to be placed. So, we get the message to the driver at the appropriate time because it's just fractions of seconds that we have to be able to deliver that message or they're too fast and it has to be a meaningful point. This research allowed for us to understand where the signs need to be placed, where the radar need to be placed and that was a good example of a project that is now going into implementation, and we'll be seeing more of these speed feedback signs on ramps to help trucks from tipping over and such.

- Mapping of our Right of Way (ROW) to GIS - We have more of these paper sheets that have been scanned in as PDF's and this projects looks at how do we trace that outline and get that line work into our GIS systems so that people can have that line work over top of an aerial photo and be able to see more directly where those parcels line up and in our right away lines up. I think this could be a great help for the whole industry on whether you're doing construction projects and contractor or your designer as a consultant or you're an ambit staff. This is something that could really help us all have a little better understand right away is as Jill presented there have applied for a grant to try and implement the statewide they've come up with a technique for mapping and done some mapping, but they need to get this grant before they can really expand the funds that they need to get a statewide GIS level of of right away.
- Bridge Deck Fascia Repair presentation from Matt Beatty, can be a dangerous situation where concrete can fall off the face of a deck and with traveling public underneath this project came up with some new materials for repairs and for maintenance and a new design for how to prevent moisture from coming out to the front of that fascia and causing the decay.
- Concrete Sustainability EPD's and GWP with our very own Dan DeGraaf, who presented on EDPS and environmental product declarations and global warming potential of concrete, and this is a presentation he provided for us here during a stick presentation meeting a little while back. You've seen that one, but it was good to get it again and get it out to a larger audience.
- E-Ticketing in Michigan with Matt Valle from HaulHub talked to us a little about e-ticketing and specifically with construction materials and tracing those materials and measurements and quantities through construction projects.
- From Complete Streets to Complete Networks, from John Martin and Peter Savolainen had a presentation on how to plan better for complete streets and multimodal uses of our trans transportation right away. There was a tool that folks can have access to through scanning this code here and getting that design tool in their hands so that they can type in some limited information like where the project is, how much traffic it has, and things like that. It'll spit out the specific counter measures that might be used to help with pedestrians or bicycles or things like that, and on the multimodal uses in the right of way. That was a nice planning tool for upfront. We're actually submitting this for the AASHTO Innovative Management of Project (Heidi's working on that). We're hoping to get an award for that one, well see if they select it or not.
- Connected Work Zone Technologies was presented by Chris Brooks. He gave us an update on some of his connected work zone technologies. He provided examples of things like workers in the right of way having transmitters and their vests that could indicate their presence and would provide feedback to sign so that signs could indicate different speed limits and things like that to make it a live smart work zone.
- The Safe System Approach was given by Heather Zull and Lind Powell. It was a more of a cultural shift presentation trying to make sure that we design our roadways and maintain and keep our road users informed and enforced so that we have a safe total system.

Rachael Tupica (FHWA) indicated Complete Streets and Safe System Approach is currently a focus of Federal Highways and is excited to view the presentations.

Michael advised the group to let Heidi Spangler know of any topic ideas they may have as she is in the planning phase for the next Highlights meeting, being held in six month, and suggested Ryan's would be a good topic show to a wider audience.



4. STIC Incentive Grant Updates – Heidi Spangler provided update of the STIC Incentive Grants (see PowerPoint below).
- Currently have three active projects:
 - Noise Abatement Peer Exchange – occurred July 11th and 12th. They are working on a draft handbook that is about 66% complete. Once draft handbook is completed, they will present the proposed changes to MDOT internally for discussions.
 - Wrong Way Driving Deterrence – implementing along the 131 corridor within Grand Rapids where they have had a lot of wrong way driving moments in the past few years. They are working on procuring the devices and are hopeful to have the first one installed in October.
 - Green Strobe Lights for Fleet Safety – all materials have purchased, and they are working on installation. About 73% have been installed (117 out of 161).
 - Currently do not have any new incentive applications submitted. Still have \$100,000 available. If you know of anyone who would like to apply, contact Heidi and Michael. For FY 2024, applications can start on October 1, 2023. Visit STIC website for more information: [STIC Incentive Program \(michigan.gov\)](https://www.stic.michigan.gov).



Next meetings:

October 30, 2023, Presentation Meeting led by Doug Needham/MAA

November 20, 2023, Business Meeting

December 18, 2023, Presentation Meeting led by Denise Donohue/CRA