

Key Takeaways and Action Items

Location: Teams
Client: Iowa Department of Transportation
Date: January 19, 2023
Time: 10:30 a.m. to 12:00 p.m.
Subject: Work Zone Council Meeting

Purpose of Meeting:

The Field Operations Division (FOD) has approved the formation of a Work Zone Council to provide overarching leadership and direction of work zone activities throughout the state. The activities of the Council promote establishing principles of improving mobility and safety impacts created by work zones, improve communication and coordination of these efforts, and foster innovation and participation by field operations personnel.

Agenda:

Welcome and Introductions - Dan Sprengeler and Clayton Burke

Introduction Brian Worrel - Wes Musgrove

- Work Zone Operations Engineer
- Started Mid-November
- Combining central office, academia, and field
- 18 years at the DOT.

Lane Closure System - Willy Sorenson, Tim Simodynes

- Status of Development of Maintenance Applications
 - Presented to Leadership Team today
 - Received the first beta testing module in January 2023. Hope to expand testing to other maintenance garages in spring 2023 and being using in summer 2023. Then moving to the construction module.
 - Willy gave short demonstration of maintenance module.
- What is the lead time for when you need to enter lane closures? TBD this is a policy item – would most likely need time for OSOW restrictions. We will need to look at this now.

ACTION: Begin to look at policy for lead time for the system. Also, need to include District Maintenance for initial testing.

Integrated TSMO into Project Delivery – Work Zone Efforts – Tim Simodynes

- Future discussion was suggested based on break through on data by InTrans with delay and crash risk that correlates congestion to safety risk.

Narrow Bridge Task Force Update – Ben Hucker

- Continuing progress
 - Flow chart completed
 - Finishing matrix
 - Anticipate documentation of the process next and a pilot project.

- Completion deadline this year

ACTION: Ben to check with Mike Nop on pilot project on I-80

End of Season Work Zone Operations Workshops – TSMO Engineers

- Set aside for InTrans district meetings on work zone data tools
- Not scheduled yet, but still planned for winter 2023.
- Summary of results will be produced and shared internally.

Assessment of Road User Costs vs. Traffic Staging Costs – Bob Younie & Austin Yates

(New initiative from Charlie Purcell & TSMO Steering Committee)

- Not started

Paved Shoulder Design Considerations Kevin Patel

- Still not active

APAI Safety Committee - Clayton Burke

- No update on activity regarding flagger training effort
- A company is investigating using the revised flagger protocols based on report by SRF and reporting back on any revisions based on experience.
- March 3 APAI presentation by Brian with focus on flagging.

Static Lane Closure Maps - Ben Hucker

- Status of maps for construction, maintenance, and tow recovery
 - Three maps, construction, maintenance, tow recovery
 - All three 1, 2, 3, & 5
 - District 4 needs towing map
 - No update from district 6
 - Construction maps are posted on the WRL
 - Maintenance maps will be posted on the internal maintenance page.
 - Towing maps working with traffic operations on posting and use.

ACTION: Ben to reach out to put towing maps in MACH for MVE.

- HNTB has proposed a way to put allowable closure maps/data into GIS using the project prioritization tool as a model. Willy and Tim leading this effort as a part of the LCS.

Work Zone Training - Dan Sprengeler

- Status of request for \$30,000 for training
- Budget received and standing request for future training.

InTrans Tools and Dashboard Review - Dave Lorenzen

- Update from October 26, 2022, meeting
- In-person District meetings in Dec 2022 & Jan 2023
 - Met last fall with traffic techs and district staff
 - Reviewed dashboards and found people did not understand the access and tools they had
 - Districts 2, 4, and 5 complete; Districts 1 and 3 this week; District 6 in February
 - This is an ongoing effort to visit the districts.

District Updates

District 1 – No update

District 2 – No Update

District 3 – shared the tri-state incident management map the towing maps. Will check with maintenance to see how well they are complying. Seems to be working.

District 4 – No Update

District 5 – No Update

District 6 – No Update

Work Zone Management and Traffic Operations Updates

Intelligent Work Zones - Mark Van Dyke

- 2023 Planning meeting scheduled with each District.
- Switched some queue detection corridors back into Q-free will monitor to ensure performance before moving all projects currently deployed

Lane Closure Planning Tool - Willy Sorenson

- Future layer for border bridge activity

Mitigation Team - Dan, Willy, and Brian

- Working on making TCP Checklist more practical and useable
- KDOT asked for 1.5-hour presentation in work zones. Had a good conversation and added another 1.5 hour

Process Review - Dan Sprengeler

- Hoping to stay on a 2-year cycle since it is working
- Completing KPI dashboards
- New format working with district operations

Central Office Updates

Traffic & Safety – No Update

Bridge

- Jim Nelson TRB synthesis on complex bridge replacements staged construction off alignment detours etc. If selected would help Iowa understand decision making processes being used across the nation.

Design – No Update

Traffic Operations – No Update

Construction and Materials

- Contacted by AGC for trained technicians are due in April 2023. Options in the spec there are several courses 3100 people whose certification is expiring. Discussing today and

tomorrow to answer. Can just test out? Intent is to retake class need to clarify and resolve.

Maintenance – No Update

Local Systems – No Update

Motor Vehicle Enforcement – No Update

Work Zone Incident Updates - Clayton and Districts

Adjourn

Action	Responsible Party
Begin to look at policy for lead time for input into the Lane Closure System. Also, need to include District Maintenance for initial testing.	Willy and Tim
Check with Mike Nop on narrow bridge pilot project on I-80	Ben
Reach out to put tow recovery map data in MACH	Ben

Future Meetings - April 20, 2023, July 20, 2023, October 19, 2023