

Key Takeaways and Action Items

Location: [Teams Meeting]
Date/time: January 7, 2021, 10:30 am to 12:00 pm
Subject: Work Zone Council Meeting

Welcome and Introductions Dan Sprengeler and Clayton Burke

Charlie thanked everyone for mobile work zone recommendations.

- Working from home for the time being, unsure when this will change.
- Overall, this has been successful.

Chief David Lorenzen welcomed everyone.

DOT management is involved in the change from amber flasher to white lights on attenuators for maintenance.

- Bob Younie – Donna drafted code language to move this forward.
- This requires a code change, so it will take a lot of lobbying and some time to get his change in place.

Fatal Crash “Go Team” Willy Sorenson

Meeting with core team and SRF assisting with proposal. Starting with fatal crashes to determine if we should move to other crash types. Investigation is for TTC, specifications, policies, standards.

- Iowa State unable to read crash reports, Skylar will be sending form to get crash reports.
- Iowa State will be lead investigator and have been asked to write scope of Team.
- Reaching out to the other 49 states to see if others are doing anything like this
 - Doing our own investigation on work zone fatalities.
- Crash investigators are willing to partner with DOT on this – Steve Gent

Andy Lewis asked the team to address projects with high frequency of crashes

ACTION: Continue development. There is momentum on this, and Willy will be asking for outside services budget to implement.

Work Zone Safety Awards Clayton Burke

Resulted from Work Zone Management Service Layer Plan. Contractor feedback was positive on the first year in 2019. TTC contractors fully supportive with getting recognition for their TTC and work zone safety efforts.

- Less submissions than last year
- Award distribution will be different due to COVID-19 restrictions and cancelled conferences/luncheons
- Prefer the project submissions come from the DCE’s as they know the projects in their area better than anyone (the good and the bad).
- Will start soliciting the awards earlier in 2021 to get more submissions.

ACTION: Clayton will be proactive in sending reminders for 2021.

Future Flagger Training Requirements Clayton Burke and Dan Sprengeler

Effort to standardize training for Iowa employees and contractors. Reviewing training requirements with task force that includes industry, maintenance, construction, safety coordinators. ATSSA has source of trainers that could be utilized. Looking into using safety coordinators to be ATSSA certified instructors for DOT.

ACTION: Complete and implement Task Force recommendations

Update from Each Work Zone Council Group

District 1

Ben Hucker – status of standard road plan for more than two lane moving operation for maintenance. Traffic on both sides, throw and go is not safe and should be replaced. Dan is using MnDOT layouts which have not approved by Iowa DOT. Dan needs feedback to develop standard. Johnny Shanahan has ideas to improve, PDMS are too large to tow and need to look at smaller PDMS. Need a developmental layout from Dan (design) to “approve” use of developmental layout. Perhaps add audible warning TMA.

ACTION: Dan will send out layout. Clayton will discuss setting up maintenance work zone safety subcommittee meeting to address.

District needs TTC layouts for Diverging Diamond Interchange (DDI).

ACTION: Since each DDI is unique Dan may need to develop layouts for each interchange. Work Zone Safety Committee item.

District 2 – No report

District 3– No report

District 4– No report

District 5– No report

District 6– No report

Round Robin

Work Zone Innovations

Audible Warning Update – Bob Younie

Vision is to use AW by contractors, law enforcement, incident management, etc. to set a practice or standard for application outside of mobile maintenance operations. Industry may be interested in developing a COTS system. Vision is anytime a TMA is used to use audible attenuator. Need to develop a position paper on these devices. Perhaps a pilot project. Need to include prioritization based on high risk activities. There are working system design diagrams available to review. Donna is working on automation and white light with Iowa State.

ACTION: Develop a working paper and presentation to management. Discuss with WZMTO Committee.

Work Zone Management and Traffic Operations Updates

Intelligent Work Zones Tim Simodynes

2021 is our eighth year and the system is well run and addresses issues in each district.

- Prepping for 2021, will have District meetings next.
- ATMS switch to take place 1/19/2021
- WSP to Gannett Flemming management shift at TMC

Starting interviews with new ITS Engineer position filled. January 19 ATMS roll out.

Training Dan Sprengeler

Work Zone Training virtual in February through LTAP. Three-hour general session February 22 with breakouts to follow.

Additional training study with Keith Knapp report will be out soon to identify training gaps:

1. Basic work zone safety for new employees
2. Supervisory training
3. Hands on for mobile

Johnny Shanahan supports hands on training, particularly for moving/mobile operations there is not a training program for this.

Long term trying to see three levels, new employee on boarding, refresher for this; supervisory level for setting up a work zone TTC; training for specific issues.

Brad – D5 – flagger training, do we need to certify employees or is attendance sufficient?

Mitch Wood, maintenance training, DMM meeting yesterday to advise. Safety GOA with flagger training to DMMs and are supportive of having safety coordinators provide the training.

Lane Closure Planning Tool Willy Sorenson

Still making improvements to the tool.

Creating static maps has been discussed, but nothing has been worked on.

ACTION: SRF to assist with development of static lane closure maps.

Mitigation Team Dan, Willy, and Clayton

Reviewing projects for TCP and checklist use is improving and concepts are coming in with TCP flagged and mitigation strategies included. Things are improving over time and less is required from the team.

Process Review Dan

Revising process review and meeting with ADEs to discuss district involvement to improve collaboration and feedback from the district operations. FHWA data driven process. Need to review videos and record that for implementation of dashboard.

Central Office: Round Robin

Traffic & Safety

Willy – TCP definitions are currently in 500.18 there are some changes coming within the next few months with FHWA.

Steve Gent - Fatality reduction task force – 3 to 5 initiatives to work towards zero fatalities, with a goal of having less than 300 for 2021.

- Quarterly topics
- Media blitz/PR campaign
- WZ Safety from the DOT
 - GO team could be a part of this too if we get it far enough along.

Bridge

Jim Nelson – technology gaining a lot of traction ‘lateral bridge slide’ to reduce exposure to traffic diversion or staged construction.

- Have completed 5 of them now & they are going well
- More favorable wz situation
- Going to try it next on a bridge on a skew
- ABC construction
- Ahmed is the lead and can answer questions if needed (Jim as well).

ACTION: SRF to Include in uncommon situation white paper.

Design

TO

C&M

Maintenance

Local Systems

MVE

Work Zone Incident Updates Clayton and Districts

Attendees:

- | | | |
|----------------------|-----------------|------------------|
| Jim Armstrong | Tony Lazarowicz | Willy Sorenson |
| Brenda Boell | Paul LeFleur | Dan Sprengeler |
| Tom Bruun | Andy Lewis | Jim Webb |
| Clayton Burke | Donna Matulac | Kaleb Wohlgemuth |
| Tim Crouch | Wes Musgrove | Austin Yates |
| Brad Flemming | Jim Nelson | Bob Younie |
| Roy Gelhaus | Kent Nicholson | Jim Nelson |
| Steve Gent | Charlie Purcell | David lorenzen |
| Mike Kennerly | Ejon Ranney | Andy Lewis |
| Skylar Knickerbocker | Jim Schnoebelen | Taylor Lansing |
| Brad Lauderman | Tim Simodynes | Tony Gustofson |
| Ejon Ranney | Scott Nixon | Benjamin Hucker |
| Johnny Shanahan | Mitch Wood | |
| Diana | | |
| | | Cortney Falero |
| | | Jon Jackels |