

## Key Takeaways and Action Items

**Location:** Teams  
**Client:** Iowa Department of Transportation  
**Date:** October 20, 2022  
**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 will 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 of Scott Dockstader – Friend of the Council** - Clayton Burke

- Used to be an Iowa DOT employee
- Executive Vice President of APAI and will work as an industry liaison
- Flagger safety is a current focus

**Worker Safety Initiative Update** - Sinclair Stolle

- Technology to improve worker safety and get info out to the public
  - Power Point Presentation is available at <https://iadot.sharepoint.com/:f:/r/sites/WorkZoneManagement/Shared%20Documents/Work%20Zone%20Council/2022-10-20%20Sinclair%27s%20Presentation%20on%20Worker%20Safety%20Initiative?csf=1&web=1&e=XJL9vy>
  - Goal is to complete efforts by December 31, 2022.
  - Near Miss App created using Survey123; being used by district safety GOAs currently
  - VTTI: Smart work zone system. Geofence of work zone; actual functionality TBD
  - iCone Smart Rumble strips. Will mark location of rumble strips send to data feed, Waze, google
  - Pi-lit sequential flares (light up pucks; can be used under cones) send info out to data feed; D6 Cedar Rapids and Coralville are testing them currently. Sequential lamps for barrels or delineators much like airplane runway lights. It helps visually guide traffic to move over. Can be placed on any existing TTC device. Smart Work zone box is installed in crash barriers and DOT is notified when device/crash barriers are hit. Iowa tested them on road work ahead signs and an attenuator that was frequently

getting hit. Installing a few in D1 on frequently hit attenuators. **Should check in with Materials on this to make sure it is MASH compliant.**

- Site 20/20 guardian cones is a geofencing cone and a flasher on vest send light and audio as vehicles approach based on speed.
- Updating AVL information to operationalize the Iowa data of where work zones are based on AVL info.

#### **Narrow Bridge Task Force Update - Jeremy Vortherms**

- Looking into what the options are for TTC for bridge work when lane and bridge width are limited.
- Task force has developed a decision tree and is completing a bridge repair/traffic management matrix with cost considerations.
- Next step is to test the process on several bridge projects.
- Recently project bids come in for more than double the expected cost for a narrow bridge. Costs are at an all-time high, so please be cautious of pricing when putting together these alternative solutions.
- **Task force will complete and test process.**

#### **APAI Safety Committee - Clayton Burke**

- 12 members
- APAI members see the benefit of improving flagger training and are evaluating the train the trainer program from MN with help from SRF. This program hit a roadblock with AGC on calling the trainer certified. Working with APAI to create solutions for training that will address the AGC concerns.

#### **Lane Closure System Update - Willy Sorenson**

- Draft system design has been completed.
- Comments due 10/28 to HNTB

#### **Static Lane Closure Maps Update - Jon Jackels**

- Process for data has been completed.
- Data from the LCPT for construction, maintenance and tow recovery has been sent to Districts for review and acceptance.
- Updated Construction Maps posted for Districts 1, 2, and 4
- Districts 3, 5, and 6 updating data and completing maps. Anticipated completion in November.
- Ben Hucker is working on a process to post maintenance maps and tow recovery maps.

#### **Update from Each Work Zone Council Group - Round Robin**

##### **District:**

- 1 – no update
- 2 – no update
- 3 – no update

4 – Attenuator near 168 & 110 De Soto hit this week; driver was imparted and arrested onsite. This was one of the audible attenuators; so this is out of commission for now. No injuries. MVE has this on video as there was extra enforcement on the job.

5 – Brad Lauderman: double fatality on Mississippi river bridge on the Illinois side installing decorative lighting for the city of Burlington. The electrical contractors were setting up traffic control and a distracted driver drove into the work zone.

6 – N/A

## **Work Zone Management and Traffic Operations Updates**

### **Intelligent Work Zones** - Tim Simodynes

- Having issues with Qfree so projects are all on Jam logic now. Currently evaluating the QF updates to their software.

### **Lane Closure Planning Tool** - Willy Sorenson

- No updates since the last council meeting
- District comments regarding bad data – it should pop up with a flag to notify you that it is 'bad' data.

### **Central Office** - Round Robin

Traffic & Safety – No update.

Bridge – transportation development division working on paddling routes and trails which will have impacts with traffic control on bridge projects. Should have a finalized plan in a few months. DNR is submitting the permit for work and a recommendation on what needs to be included in the plans.

Design – work zone training has no money for training this winter. By November 1<sup>st</sup> we need to have funding to secure venues. If anyone has 30k let Dan know. **Dan to reach out to Dave**

**Lorenzen.**

TO – TSMO steering committee is looking for way to get TO into operational improvements into the standards, improve project coordination, end of season TSMO review of work zones and traffic control. Possibly dove tail this into the FHWA process review meeting.

C&M – have had some responses to fill Claytons' position, they have interviews scheduled.

Maintenance – wrapped up flagger and TTC training of over 300 maintenance staff. Will be yearly going forward focusing on new staff, but making a regular rotation on this training. All TMAs now have strong yellow green/red chevron markings. 900 chevron tailgate marking for small vehicles have been ordered and should be out to the districts soon.

Local Systems – no update

MVE – no update as we roll into winter season we are there if you need us.

Dave L – 10/26 9am-1pm meeting at InTrans going through all the tools and dashboards they have created for Iowa. More info to come.

**Adjourn**

<b>Action</b>	<b>Responsible Party</b>
Check in with Materials on Pi Lit devices to make sure they are MASH compliant.	Sinclair Stolle
Complete and test narrow bridge process.	Ben Hucker
Send training budget request to Dave Lorenzen	Dan Sprengeler

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