



Key Takeaways and Action Items

Location: Teams
Client: Iowa Department of Transportation
Date: January 20, 2022
Time: 10:30 a.m. to 12:00 p.m.
Subject: Work Zone Council Meeting

Welcome and Introductions - Dan Sprengeler and Clayton Burke

Work Zone Information Sharing & CMF Workshops 2021 - Update Dan and Clayton

- 20 attendees at CMF workshop 2021
- CMF had great audience participation

Narrow Bridge Work Zone Group - Discussion Clayton Burke

- New 39 ft or less bridge KMZ file with all locations marked.
- No TTC strategies that work well
- Discussions on using different materials
 - Polyester polymer concrete that cures faster.
 - Pre-cast panels is also an option
 - Focusing on optimizing the triple stage traffic control
 - Might investigate overhead temp structures like MnDOT for signing contra flow.
- Identified triple stage can go down to 39 ft
- Contra flow can go down to 33 feet
- Some places cannot accommodate even these layouts.
- Temp bridge for on-site detour
 - But these are zero value investments at a cost of 1.5 mil
- Looking into widening bridges or replace if it is near the end of its life cycle.

ACTION: Clayton putting together presentation to detail these conflicting needs. Clayton will establish a time frame for Charlie.

Oversized Loads and Work Zone Restrictions - Update Clayton Burke

- Finalized and added to WRL

- No shoulder inventory for the state so they are not allowing language to include shoulders on 511 for restricted width.

TIM Routes and WZ Impacts - Discussion Clayton Burke

- Jim Armstrong – has library of WZ for the entire state
- When we have WZ on the TIM route that route should be de-activated from use when that project is active.
- Is there a better way to track these?
- Can we begin adding TIM routes to the let plans?
- Wes – are there automated ways that we know that there are projects in TIM routes?
 - Add to the PLCS
- This was a big focus then Jared Smith was the TIM coordinator – hopefully Jim Armstrong will be able to get this back up and running better again. We can also discuss parallel routes with the districts at that time.
- Action item for 2022 includes updating the TMP inside the checklist – we could add info here on flagging the projects for TIM to get this further out in the design process.
- Believe we can use local roads for emergency detours if needed without special authority
 - Nicole Morre – there is a form that should be filled out prior to project if local roads might be used in an emergency and/or a call if/when the emergency takes place. Local roads worry about overside loads.
 - If there are oversize loads, they should pull over for local TIM routes and park until the detour is over – might need to revisit this on what the agreement is with trucking.
- Keep on agenda for the next WZC

ACTION: SRF to Include in TCP Update on TMP

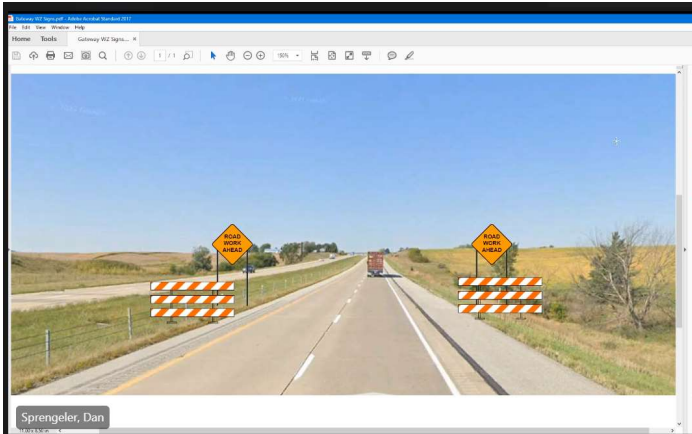
Planned Lane Closure System – Update Willy Sorenson

- 8 slide presentation on PLCS
 - Might change name to LCS
- Willy needs to update presentation to include special events.
- Tim and Willy meeting with IT and purchasing/procurement today 1/20/2022
 - Next week – meeting with Dave & Mitch (Tuesday)
- Are their systems we missed?
 - Andy Lewis – towing operations (general & heavy/recovery incentive)
- Going to be bringing other groups in for input and feedback and additional expertise:
 - Andy Lewis – developing an interim plan – static maps are mandatory for construction and guidance for towing (2-hour windows for small ops)

- There is a meeting next week to discuss 2-hour/tow ops for the static maps.

ACTION: CJF add Texas into the outreach info request. Contact Willy if there are additional needs for the PLCS.

Type III Work Zone Gateway – Update Dan Sprengeler



- Concept (see pic)
- Would like to use something standard in the MUTCD.
- Need to make sure they are not on the shoulder for emergency response. Need to investigate sizing and use a 4 ft.
- Would this also be for long term closures? Long-term was the initial thought; but could use it on shorter applications if testing works well.

ACTION: Dan will lead this effort with pilot project(s) and possible evaluation.

Updates from Each Work Zone Council Group:

Traffic & Safety

- SAB - Oregon and Ohio have reached out for guidance on how to implement

TO

- 2022 IWZ meetings next week

Maintenance

- Donna, working on backfilling Mitch Wood, things on hold.

Round Robin

Work Zone Management and Traffic Operations Updates

Intelligent Work Zones Tim Simodynes

- Everything is in winter configurations
- Meetings next week for 2022 construction.

Training Dan Sprengeler

- Begins early February

Lane Closure Planning Tool Willy Sorenson

- Increasing the number of sensors talking to the LCPT
 - 7 added on I-80 last year
 - 25 more to be added this year
 - Add a couple more each year
 - Tap into the RWIS
 - Cedar rapids sensors – q-free data:
 - Data is not complete from q-free
 - On average for all sensors 10-20% lower than with is being reports.
 - Systems report request to fix the q-free data issue.
 - Working on fixing this issue.

Mitigation Team Dan, Willy, and Clayton

- Need to review advanced project list

Process Review Dan Sprengeler

- In progress
- Analytics is being completed for Key Performance Indicators

Work Zone Innovations

- Strobe lights for vests – Guardian Angel [Guardian Angel system](#)
- Every field staff had this in D5
- Mitch has one if Dan wants to look at them
- This was also sent out in an Iowa blog post.
- https://www.transportationmatters.iowadot.gov/2021/12/when-a-little-light-serves-as-your-guardian-angel.html?utm_medium=email&utm_source=govdelivery
- Looking for more info from D5 and put together some guidance – Matt Hovelman would be able to help with some of this info.
 - Action Item: meeting to get info from d5, put together documentation & move this forward. (Donna will start this with the maintenance task force).
 - D5 is using this: Lauderman, Brad (External)12:02 PMGuardian Angel Micro Series Model Number MCR-W/Y

Bluebeam –

- Bluebeam vs adobe
 - Will discuss this again in the WZMTO meeting.
 - Need to pick this up again so this is timely.
 - Only need a few licenses for Bluebeam or adobe are needed; and then could centralize who is sending out plans for comments. Then anyone with a viewer can look at and comment.

Should we provide an in-person option?

- Will always need the virtual meeting options but can add a room for those in central office.

Adjourn

Future Meetings

- April 21, 2022
- July 21, 2022
- October 20, 2021