

Work Zone Safety & Mobility



Work Zone Safety and Mobility (WZSM) Policy

- Michigan DOT: Policy Effective September 1, 2007
 - Official MDOT Guidance Document
 - Applies to all MDOT work zones (construction, maintenance, permits/utilities, local agency projects)
 - Implementation Dates
 - Construction Projects - September 1, 2007
 - Maintenance Projects - January 1, 2008
 - Utility/Permit Projects - January 1, 2009
 - Local Agency Projects - January 1, 2009

WZSM Manual

- Manual is available on the MDOT public web
 - *Doing Business* Quick Link
 - Select *Work Zone Safety and Mobility* in the *Resources* section
 - Manual is available under the *Links* heading
 - Work Zone Safety and Mobility webpage:
 - http://michigan.gov/mdot/0,1607,7-151-9625_54944---,00.html



WZSM: Possible Parts of a TMP

- Transportation Management Plans (TMP)
 - Temporary Traffic Control Plan (TTCP)
 - Includes: maintaining traffic special provision, typicals, plans, etc.
 - Transportation Operations Plan (TOP)
 - Plans for transit issues, maintaining non-motorized traffic, traffic signal coordination, proposed mitigation measures, etc.
 - Public Information Plan (PIP)
 - How will the public be informed and through which media, media campaigns, newspapers, billboards, etc.

What is a Significant Project?

- Work Zone Travel Time Delay Greater than 10 minutes
- Volume to Capacity greater than 0.8
- Level of Service D or lower or if the roadway LOS has changed from LOS of A to C



Work Zone Safety and Mobility Construction Projects

- Non-Significant Project
 - Projects that do not exceed the mobility criteria thresholds
 - TTCP Required
 - TOP and PIP Recommended



Work Zone Safety and Mobility Construction Projects

- Significant Project
 - Projects that exceed one or more of the mobility criteria thresholds (volume to capacity ratio, level of service, travel time delay)
 - TTCP, TOP and PIP Required
 - Statewide Peer Review is Required



Statewide Peer Review Team (SPRT)

- Reviews all projects that are identified as significant
- Project Rating system
 - Standardized review form
 - Red, Yellow, Green Ratings
 - Executive level engagement

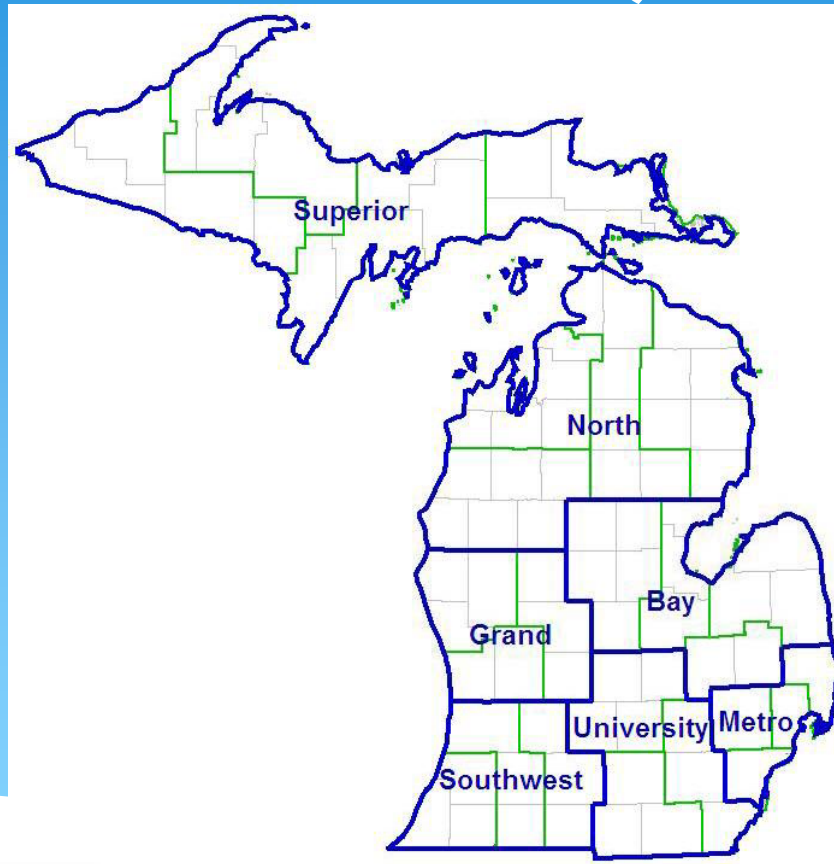


When are the TMP Submitted?

- TMP' s are to be submitted to the Operation Engineer after the Plan Review (80% complete) and before the Error & Omission Conference (EOC) (100% complete)



Who is on the Statewide Peer Review Team (SPRT)?



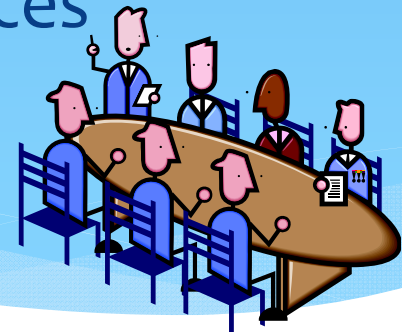
Who is on the Statewide Peer Review Team (SPRT)?

- Statewide work zone administrator (Chairperson)
- The remaining team is rotating
 - TSC manager
 - Development engineer
 - Delivery engineer
 - Traffic and safety engineer/technician
 - Region Engineer



Work Zone Safety and Mobility

- Statewide Peer Review Team (SPRT)
 - Benefits:
 - Check and balance for mobility issues
 - Feedback from other areas
 - Statewide Work Zone Administrator provides consistency
 - Allows for sharing of Best Practices



Work Zone Safety and Mobility

- Temporary Traffic Control Plan (TTCP) items reviewed:
 - TTCP is reasonable and logical with the project duration and traffic volumes
 - Staging & Constructability is reasonable and well thought out
 - Project is compared to similar projects
 - Alternative analysis is done with comparison in Benefit/Cost
 - Crash analysis done for the location and compared to similar projects
 - Monitoring Plan for safety & Mobility
 - Contractor Ingress & Egress is addressed



Work Zone Safety and Mobility

- Transportation Operations Plan (TOP) items reviewed:
 - Delay mitigation techniques applied appropriately
 - Maintain pedestrian, local transit and non-motorized traffic
 - Emergency Responder access
 - Commercial Vehicle access
 - Project combined or bundled
 - Corridor Impacts



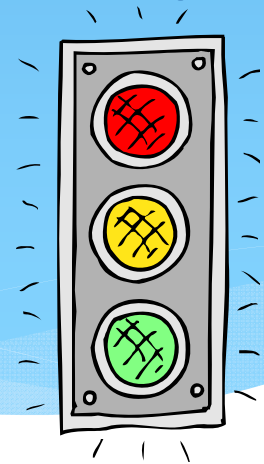
Work Zone Safety and Mobility

- Public Information Plans (PIP) items reviewed:
 - Is the public outreach appropriate for the project and scale of impact
 - MiDrive
 - Brochures
 - List Serves
 - Public Construction Kickoff Meetings
 - Social Media
 - Advance Notice/Delay Signs
 - Is the list of stakeholders comprehensive



TMP Rating

- **Green:** Proceed, Review SPRT comments
- **Yellow:** Proceed, Review SPRT comments; Project Office incorporate changes as appropriate. Feedback from Project Office is required
- **Red:** Do not Proceed, Review SPRT comments; Region Engineer to discuss with Chief Operation Officer



Challenges with TMP Reviews

- How and When do we do a TMP Review with Design Build Projects
- Quick turn around for Value Engineering Proposals
 - Have done an email Peer Review Team for this



Questions:
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