Next Steps for Work Zone Challenges

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Statewide Work Zone Safety Committee
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Four Challenges

- Work Zone Intrusion Warning System (WIWS)
- End of Queue Warning System for Work Zones
- Distracted Drivers Approaching or Within a Work Zone
- General Mobility Impacts Caused by Work Zone
Major Outcomes

• Institute planning and scoping procedures for ITS/IWZ
• Monitor, test and evaluate ITS/IWZ deployments
• Identify and assess key performance and surrogate measures
• Develop procurement packages and generalized boiler plate special provisions
• Part of statewide planning and scoping effort.

• Developing decision support tools:
  • When to use ITS/IWZ
  • Budgeting for cost
2017 Pilot Projects

TH 52 Rochester to Cannon Falls

I-35 and TH 14 near Owatonna

11/02/2017
2017 Project Monitoring

Sensor 962: SB US 52 N of 295th St NE; Activates Signs: 350

Percent Uptime: 91%

Activations:
7/30/2017 4:49:49 AM

Sensor 1409 NB US 52 at Co Rd 7; Activates Signs: 1409 & 876

Percent Uptime: 21%

Activations:
• I-35 near Owatonna (SP 7480-126) – District 6
  • End of Queue Warning

• I-35 north of Faribault (SP 6680-113) – District 6
  • End of Queue Warning
  • Active Zipper Merge
  • Travel Time

• TH 169 north of St. Peter (SP 5209-74) – District 7
  • End of Queue Warning within the work zone

• I-35W various locations – Metro District
  • End of Queue Warning
  • Travel Time
Local Road Research Board Project
Advance Warning and Risk Evasion (AWARE) System
Evaluation of Mobile Work Zone Alarm Systems

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Distracted Driver
Thank you again!

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