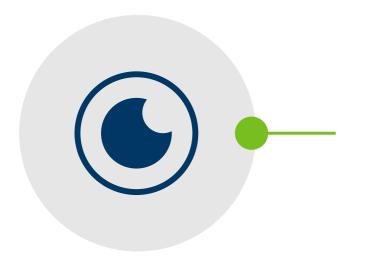


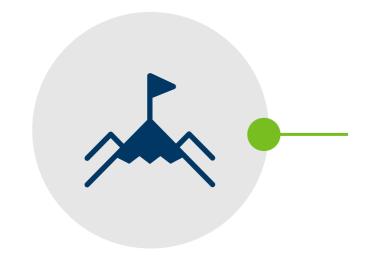
Project Process



Vision & Mission

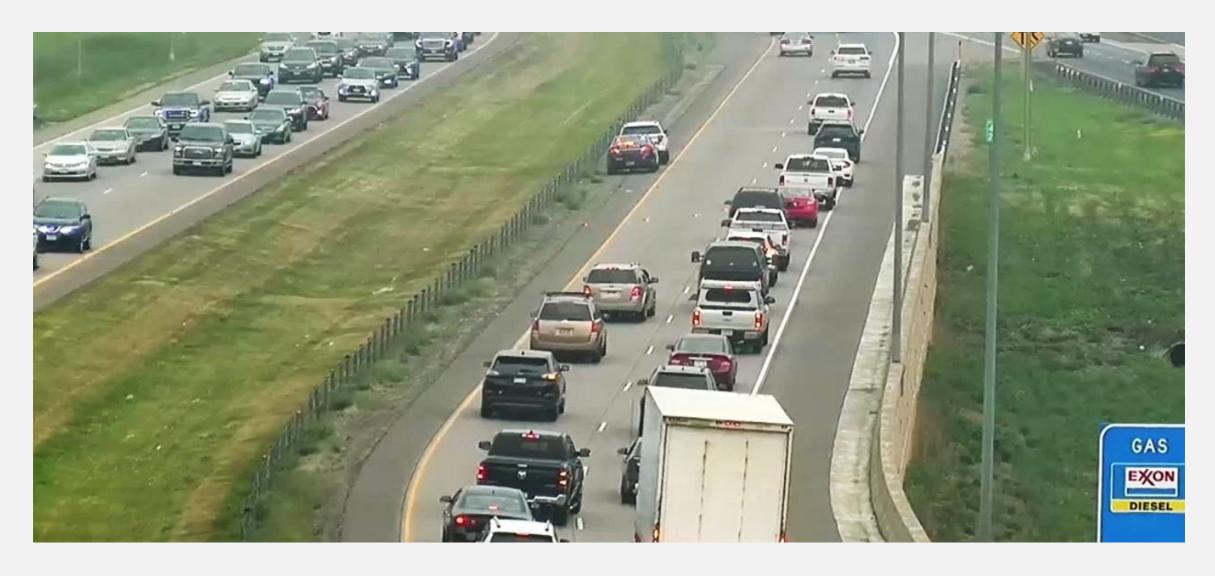


Support the vision of the Department of Public Safety (DPS) and the Minnesota Department of Transportation (MnDOT) to *enhance safety* and *transportation system reliability* through Traffic Incident Management (TIM) best practices and thorough data analysis.

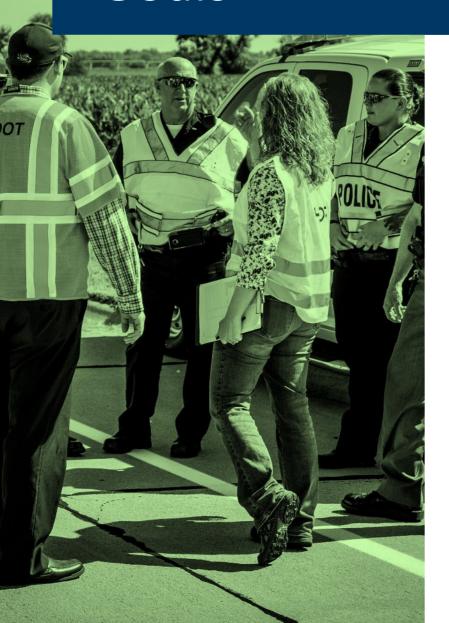


Identify TIM program improvements and strategies that advance the mission of DPS and MnDOT. Utilize *data driven* approaches to identify effective countermeasures to *prevent serious injury and fatal crashes*.

Goal: Safety Culture



Goals



- Reduce responder exposure
- Reduce delay
- Reduce incident clearance time
- Reduce secondary crashes

Strategies



- Expand responder safety training
- Integrate emerging technology / NextGen TIM
- Enhance after-action reviews / Improve TIM collaboration
- Apply TSMO strategies

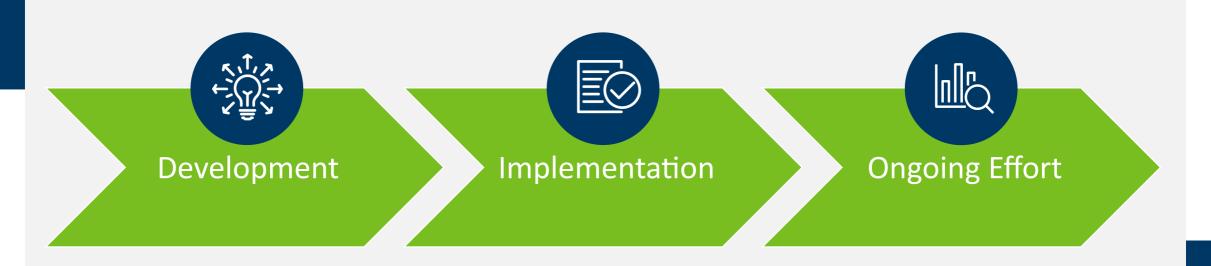
Focus Areas







Recommendations: Key Steps





Focus Area: Training

- Kick Off Training Efforts and Expand Instructor Pool
- Develop Tiered Training
- Designate Training Staff
- Require TIM and ICS Training
- Identify Funding and Incentives
- Formalize Peer-to-Peer Collaboration
- Conduct Interagency Training



Key Steps

- Develop policies requiring staff to be TIM trainers
- Conduct advanced TIM Train-the-Trainer sessions for identified staff
- Track progress in statewide database/dashboard
- Review list of trainers quarterly

Designate Training Staff





Identified Staff

- MSP field lieutenants
- MnDOT district representatives (2-3)
- MnDOT headquarters, as appropriate
- DPS, emergency communications, TMC, and/or FIRST (2-3)

Training Policy Considerations



- Require trainers to lead regional training teams
- Require trainers to conduct a certain number of classes by a deadline
- Provide guidance for marketing, scheduling, and documenting classes



Best Practices

Designate Training Staff





Virginia – TIM Training SOP

- 7 Virginia State Patrol (one per district) trainers
- 7 Virginia Fire Program (one per division) trainers
- Participate in two 4-hour classes within 18 months
- Reporting guidelines



Focus Area: Policy

- Adopt Quick Clearance Legislation
- Strengthen Open Roads Agreement
- Improve Standard Operating Procedures

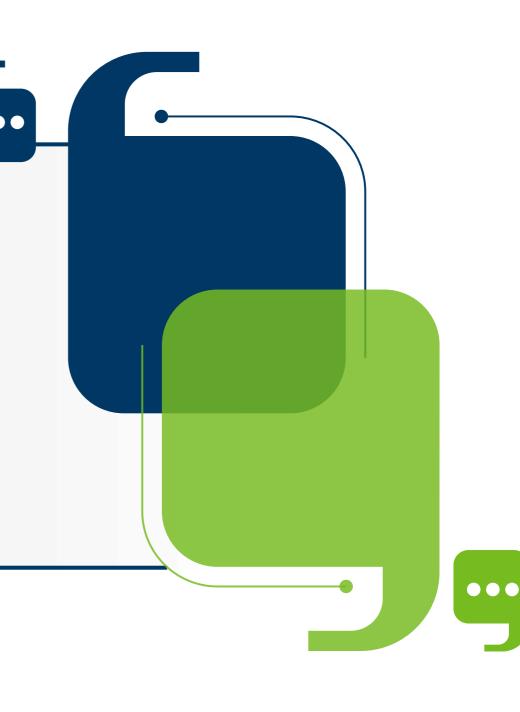


Focus Area: Data

- Incorporate Performance Measures in Crash Report
- Automate Performance Measures and After-Action Reports
- Plan Integrated Corridor Management (ICM)
 Strategies
- Implement Proactive Crash Reduction and Response Technology

Agency Strategic Communications

Engage them early and often to improve education and awareness at every level within the agency and externally.



Partnering

Department of Public Safety County Emergency Elected Communications Officials City Patrol Maintenance Fire Law **Public** Enforcement State Communications

Tow & Recovery

Department of Transportation

Information Technology



Safety Organizations

Safety Service Patrol

Medical Examiners

Associations

Agency staff



Emergency Medical Services

Requirements for Achieving Outcomes



Engaging agency leadership



Performing ongoing accountability efforts



Identifying dedicated task managers



Analyzing and adapting

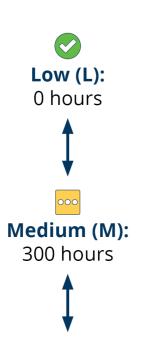


Facilitating regular engagement



Identifying additional resources

Level of Effort Estimates



High (H): 1000+ hours

RECOMMENDATION	DEVELOPMENT	IMPLEMENTATION	ONGOING EFFORT
Adopt Quick Clearance Legislation	•••	②	
Strengthen Open Roads Agreement	②	②	②
Improve Standard Operating Procedures	②	•••	⊘
Kickoff Training Effort and Expand Instructor Pool	•••	•••	⊘
Develop Tiered Training	•••	Ø	⊘
Designate Training Staff	Ø	Ø	⊘
Require TIM and ICS Training	Ø	•••	⊘
Identify Funding and Incentives	Ø	Ø	⊘
Formalize Peer-to-Peer Collaboration	Ø	Ø	⊘
Conduct Interagency Training	Ø	Ø	⊘
Incorporate Performance Measures into Crash Report	•••	•	⊘
Automate Performance Measures and After-Action Reports	A	•	⊘
Plan Integrated Corridor Management Strategies	A	•••	⊘
Implement Proactive Crash Reduction and Response Technologies	•••	•••	⊘
Engage Partners	A	000	000

Task Managers and Resources	MSP Metro Operations	ds.	RTMC Dispatch Communications Manager	MSP Statewide Communications Director	S Office of Traffic Safety	Traffic Records Coordinator	MSP CAD Manager	'S Data/Research Analyst	RTMC TIM Specialist	RTMC Traffic Operations Director	MnDOT TSMO Director	MnDOT Speed Limit & BI Tools	MnDOT Traffic Safety Engineer	. RTMC Freeway Operations Engineer	MnDOT Metro District Traffic Engineer
Adopt Quick Clearance Legislation	Σ	MSP	Ö	Ö	DPS	T	Σ	DPS	TA	RT	Σ	Σ	Σ	Fre	
Strengthen Open Roads Agreement															
Improve Standard Operating Procedures															
Kickoff Training Effort and Expand Instructor Pool															
Develop Tiered Training															
Designate Training Staff		•													
Require TIM and ICS Training		•													
Identify Funding and Incentives		•													
Formalize Peer-to-Peer Collaboration		•													
Conduct Interagency Training		•													
Incorporate Performance Measures in Crash Report												•			
Automate Performance Measures and After-Action Reports															
Plan Integrated Corridor Management Strategies															
Implement Proactive Crash Reduction and Response Technology															

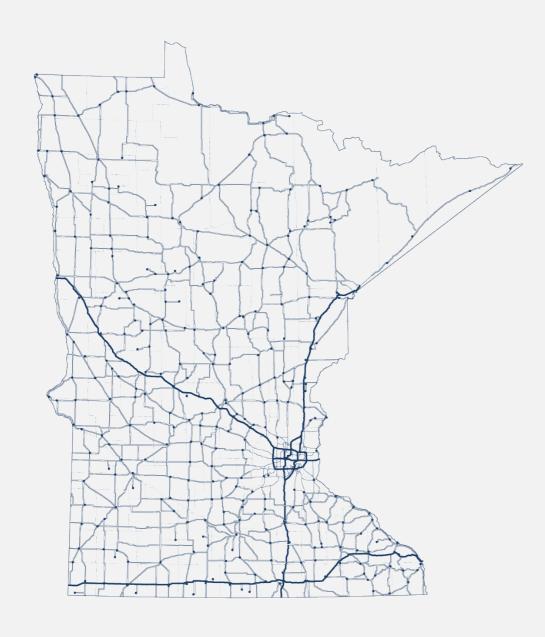


Executive Summary



Early Deployment

- Minneapolis-St Paul Metro district
- Performance monitoring
 - Incident clearance time
 - Secondary crashes
 - **-**Delay
 - Reliability
- Implement best practices



Early Deployment: Recommendations

- Standard operating procedures enhancements
- Conduct at least two AARs
- Evaluate real-time data aggregation tool AAR templates
- Formalize peer-to-peer relationships
- Conduct interagency training exercise

Multi-disciplinary Network

We are all in this together, we should be driving change collectively, ultimately saving the lives of responders and the public by instilling a safety culture.



Next Steps

- Discuss and outline tasks:
 - Evaluate data availability and usefulness
 - Develop an evaluation process for automating AAR reports
 - Use data analytics to identify secondary crashes
 - Track near misses via self-reporting (consider third party data)
 - Conduct peer exchange to discuss data analytics and staffing needs
 - Create statewide database and public dashboard
- Pursue other best practices
 - —Towing
 - Emerging technologies/advanced warning
 - Coordination





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