

AGENDA
LOVELAND CITY COUNCIL STUDY SESSION
TUESDAY, MARCH 22, 2016
CITY COUNCIL CHAMBERS
500 EAST THIRD STREET
LOVELAND, COLORADO

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STUDY SESSION 6:30 P.M. STUDY SESSION AGENDA

1. LOVELAND FIRE RESCUE AUTHORITY

(presenter: Greg Gilbert, 30 min.)

I-25 TRAFFIC INCIDENT MANAGEMENT PLAN

This is an information only item. The objective of the presentation is to introduce to City Council a successful model for collaboration for managing traffic incidents on Interstate 25 (I-25) in Northern Colorado between the Colorado Department of Transportation (CDOT), Colorado State Patrol (CSP), and Loveland Fire Rescue Authority (LFRA).

ADJOURN

AGENDA ITEM: 1
MEETING DATE: 3/22/2016
TO: City Council
FROM: Mark Miller, Loveland Fire Rescue Authority
PRESENTER: Greg Gilbert, Captain



ESTIMATED PRESENTATION TIME: 30 minutes

TITLE: Traffic Incident Management Program

SUMMARY:

The objective of the presentation is to introduce to City Council a successful model for collaboration for managing traffic incidents on Interstate 25 (I-25) in Northern Colorado between the Colorado Department of Transportation (CDOT), Colorado State Patrol (CSP), and Loveland Fire Rescue Authority (LFRA).

BACKGROUND:

Given that I-25 is the one of the primary commerce corridors through our State, it was critical to the leadership in the CSP, CDOT and LFRA that all three organizations can assist and restore normal traffic flows safely and efficiently as a single response team. A significant spring storm occurred in March of 2013 that served as a catalyst for change in incident management. Within a 3 mile incident area, there was a 60 car pile-up requiring 20 fire apparatus and 54 fire personnel. 11 patients had to be transported to the hospital and the interstate was closed for 8 hours. Traffic Incident Management (TIM) was developed as a planned and coordinated program to detect and remove incidents and restore traffic capacity. TIM is intended to improve safety, enhance the efficiency of clearing traffic incidents, support interoperable communications, reduce the potential for secondary incidents, and support economic vitality by minimizing delays. This collaboration has been very successful and serves as a model for implementation throughout the State.

The request of the City Council is support with other elected official in the State when the opportunity arises to discuss the values of this collaboration, encouraging a similar collaboration in other CDOT regions of the State.

REVIEWED BY CITY MANAGER:

A handwritten signature in cursive script, appearing to read "William D. Cavill".

LIST OF ATTACHMENTS:

Presentation



COLORADO

Department of
Transportation



Traffic Incident Management Program: Introduction & Call to Action



What is Traffic Incident Management?

Traffic incident management (TIM) is a planned and coordinated program to detect and remove incidents and restore traffic capacity as safely and as quickly as possible. (FHWA)

Benefits of TIM

- Saves Lives
- Saves Money
- Saves Time

CDOT's Mile High Courtesy Patrol historic B/C is 20:1

Nationally, B/C ranges from 2:1 to 36:1 for TIM program elements



Our Mission

Work together and establish multi-agency partnerships to advance the delivery of Traffic Incident Management (TIM) services and products by:

- Improving responder safety
- Enhancing safe and quick clearance of traffic incidents
- Supporting prompt, reliable, and interoperable communications
- Reducing secondary incidents
- Support economic vitality by minimizing delay

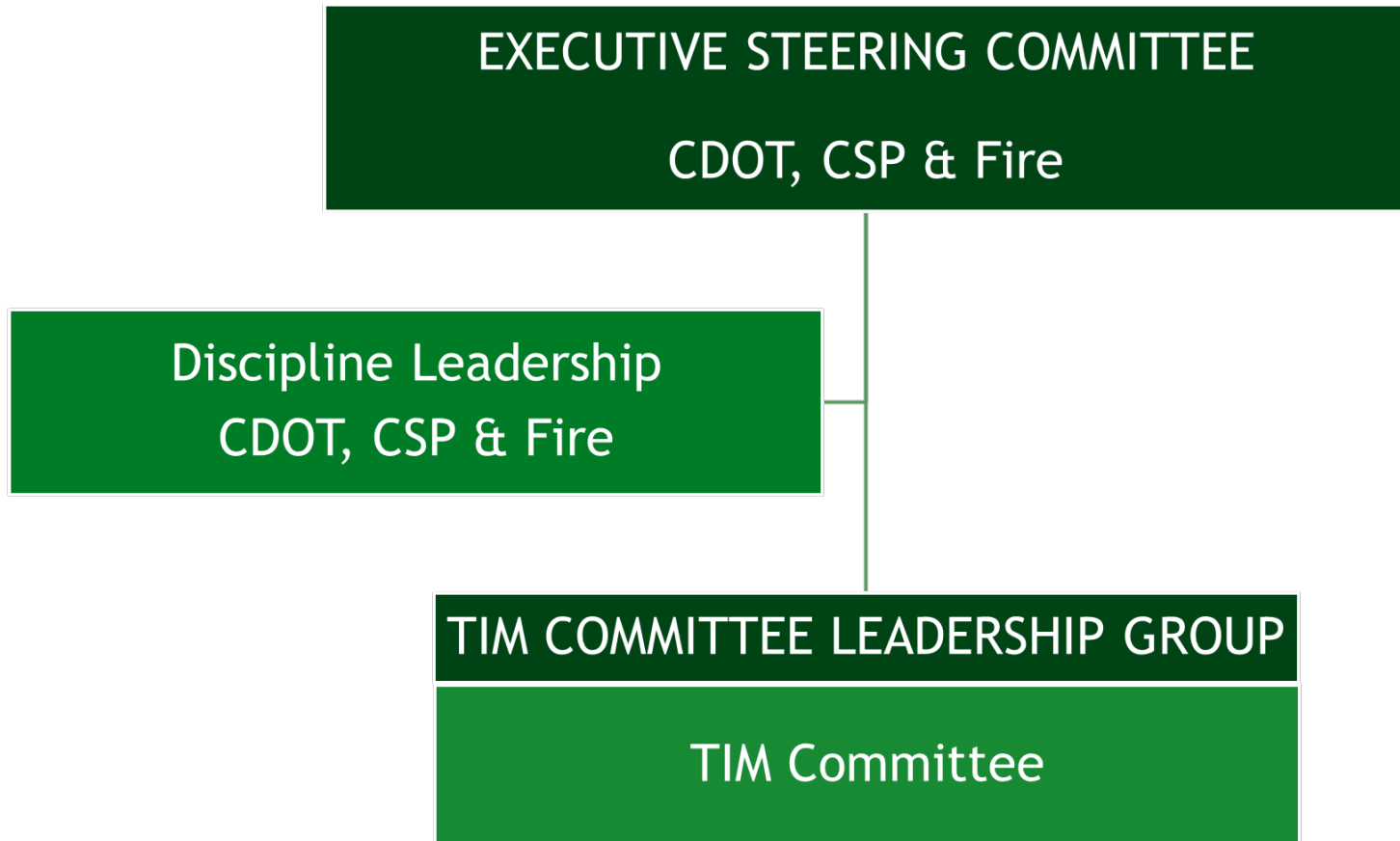


Promote Safety by Addressing Congestion

- Traffic crashes and struck-by incidents are the leading causes of on-duty injuries and deaths for responders
- 1 minute of incident = +2.8% likelihood of a secondary crash (A 36 minute queue will likely result in a secondary crash)
- 1 minute of blocked lane = 4 minutes of delay (15 minutes of lane blockage = 1 hour to return to pre-incident conditions)



TIM Organizational Structure





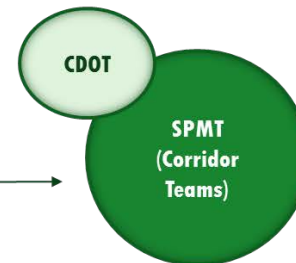
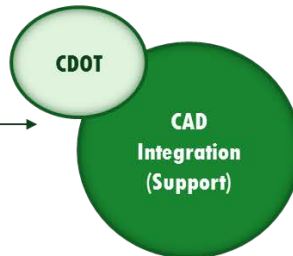
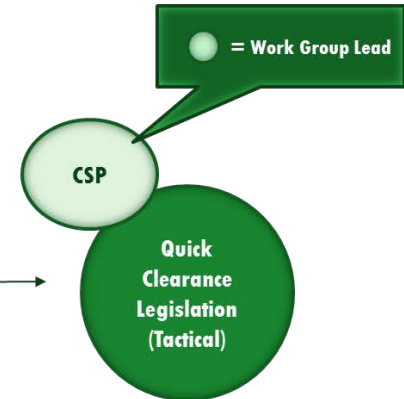
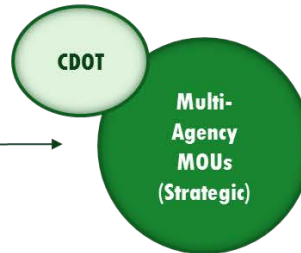
TIM Workgroups

Strategic Guidance and Support

Partner-Driven Action



Community Partners





Colorado TIM Committee

- Formed in 2015 following FHWA TIM Self-assessment
- Recruit support and participation
- Set and pursue meaningful goals
- Solve current and future issues
- Cultivate our teams and train together
- Develop dedicated funding to address needs for all
- Report on Program Status including performance measures and benefit/cost



Successful TIM Program at Maturity

- One Scene Culture, One Team Results
- Multi-disciplinary Trust Built on Vision, Competence, and Character
- Common Understanding of Success
- Train Together
- Habit of Continuous Improvement



Corridor Standing Program Management Teams (SPMTs)

Facilitate a continuing dialog about TIM best practices

Local leadership

Specific to the area and local jurisdictions

Collaboration in:

- Executing mutually beneficial training
- Enhancing communication
- Maintaining current agency contact information
- Training together
- Developing MOUs
- Funding of TIM programs
- Data collection/performance measure tracking



One Scene Culture

Northern Colorado Case Study

2012	Today
I-25 TIMP originally developed in 1996	I-25 TIM updated as needed by SPMT
Agencies agree on importance of quick clearance	Active SPMT with prioritized list of objectives for improving corridor outcomes including quick clearance
Each agency has a critical core mission; disciplines work independently to mitigate incidents	Expanded practice of multi-disciplinary team approach to highway incident mitigation
Train together for planned events	Working and training together for everyday events and planned events
Reserve Unified Command for extreme situations and planned events	Operate in Unified Command structure for every multi-discipline incident; can be simple in structure
Multi-disciplinary After Action Reviews for catastrophic events	Multi-disciplinary After Action Reviews Quarterly



Catalyst for Change

Northern Colorado Case Study

March 23, 2013

- 3 mile scene
- 60+ vehicles involved - 40 Individual crashes w/54 Tows
- 20 Fire apparatus
- 54 Fire personnel
- 11 patients transported
- Semi-truck fire w/HazMat
- I-25 Closed for approximately 8 hours

https://www.youtube.com/watch?v=Yt9x3_3RErA



One Scene Culture





Colorado TIM Highlights

- Building partnerships by establishing minimum of one SPMT per CDOT Region by June 30, 2016
- Integrating CDOT TOC systems with CAD systems to improve communication and situational awareness
- Expanding Courtesy Patrol Service and CDOT ICs into Northern Colorado and Colorado Springs areas
- Updating CDOT's training and practices to reflect the current state of TIM
- Actively training on TIM with responders around the state



TIM Training

Current Trainings

- FHWA SHRP2 4 hour
- FHWA SHRP2 12 hour (Train-the-Trainer)
- Corridor Specific TIMP Training
- Executive Level Briefings
- Public Safety Conference Presentations

Paradigm shift

- Multi-disciplinary approach
- Putting training into action



Upcoming Events

Standing Program Management Team (SPMT) Meetings

Date	TIMP Area	Location
March 23	I-70 High Plains	Limon
April 12	I-25 Colorado Springs	El Paso County
April 13	DRCOG Area	TBD
April 27	I-70 High Plains	Limon
April 28	I-25 North	Fort Collins
May 17	Durango Area	Durango
June 9	I-70 Mountain Corridor	CDOT Mtn Res

Training

Date	Type	Location
March 23-24	FHWA SHRP2 Train-the-Trainer	Colorado Springs
April 20	FHWA SHRP2 TIMs Training	Kiowa
April 28	I-25 TIMP	Fort Collins



COLORADO

Department of
Transportation

Contact Us

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