



# Regional Coordination for TMCs and Operations Staff

ITS Texas 2022

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PREPARED BY

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# Outline

- Mobility Management Center (MMC) Overview
- Towards “One-System”
  - The Goal
  - The Present
- Success Stories
- What’s Next?

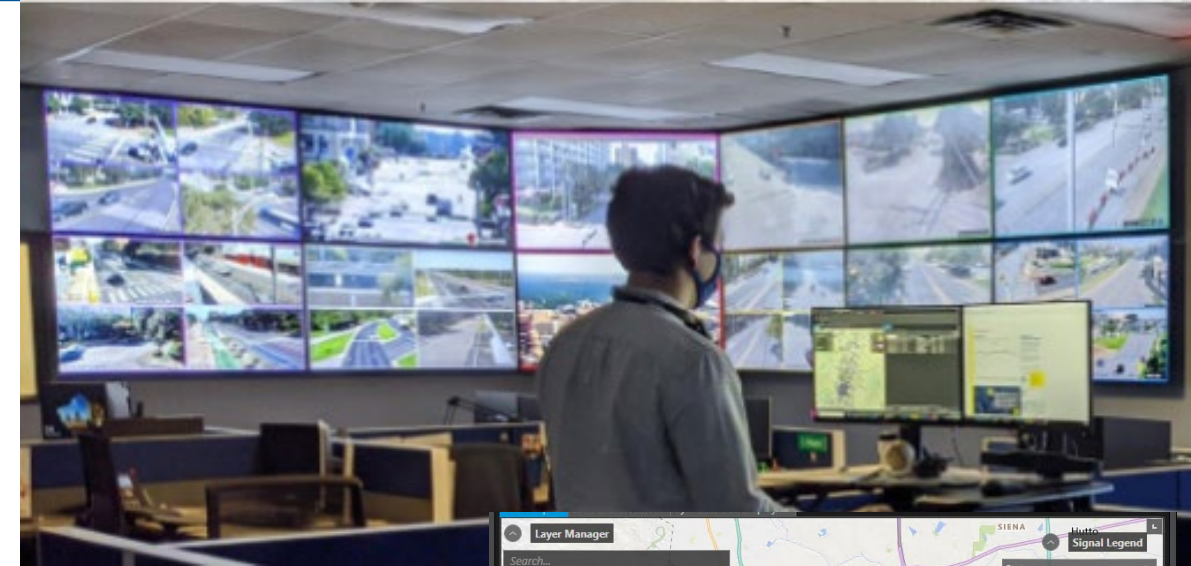






# Mobility Management Center - Overview

- Active management
- Maintenance management
- Dispatch technicians
- Special event management
- Incident response support
- Traveler information



**1,100**  
SIGNALS



**630**  
TRAFFIC  
CAMERAS

**771**

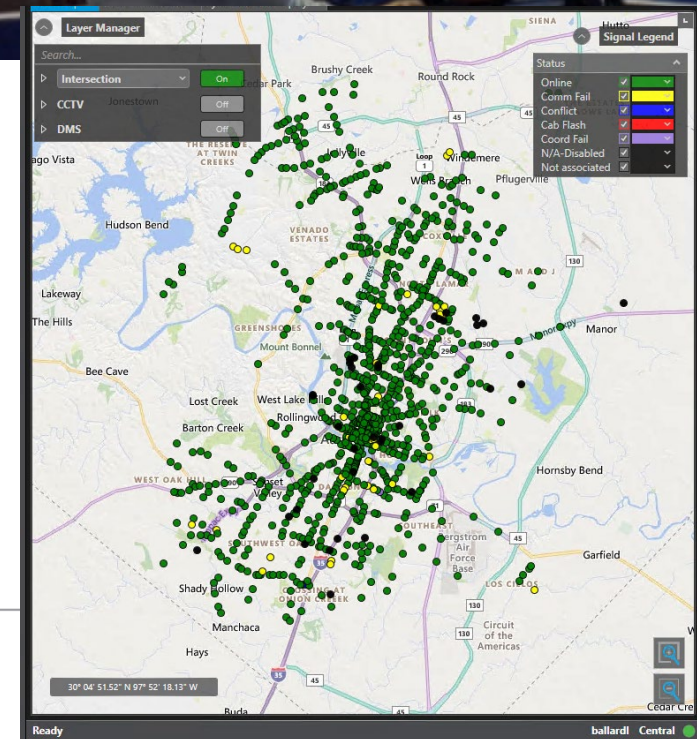
SCHOOL ZONE BEACONS

**13**

DYNAMIC  
MESSAGE  
SIGNS



**1,000**  
CITIZEN  
SERVICE  
REQUESTS/  
MONTH





# One System: The Goal

- Numerous agencies under one roof
- Improved coordination and awareness
- Emergency response and deployment

... But what are current challenges?

- Spatial
- Staffing
- Senior-Level Coordination





# One System: Currently

- Movement towards ground-level coordination
- Monthly meetings with staff of numerous levels
- Physical presence at CTECC

What benefits?



CENTRAL TEXAS REGIONAL  
**MOBILITY AUTHORITY**

- Current contacts
- Improved emergency response
- Video and data sharing
- And many more!





# Success Stories

- Round Rock Tornado Repair
  - Able to assist neighboring municipality of City of Round Rock to quickly dispatch and assist with signal damage at IH 35 and SH 45 and other nearby signals





EXPECT CHANGING  
TRAFFIC  
CONDITIONS



# Success Stories

- Currently view partner agencies video feeds (TxDOT, CTRMA) via Claris
- In future, moving to federated video-sharing solution to centrally locate video feeds
- Currently in progress to federate with CapMetro, and hope to expand to other agencies in the future





# MMC Actions



Issue Resolved Date

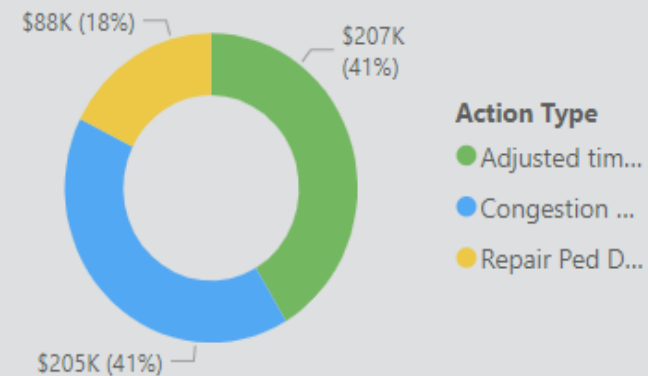
1/10/2022 7/18/2022

Action

Source

Status

Total Benefit by Action Type



Target Movement Avg % Delay Improvement

31%

Target Movement Weighted Avg Delay Improvement

16 sec

Target Movement Impacted Trips

2M

Target Movement Passenger Vehicle Benefit

\$433K

Avg Target Movement Benefit per Action

\$5.69K

Total Intersection Avg % Delay Improvement

8%

Total Intersection Weighted Avg Delay Improvement

3 sec

Total Intersection Impacted Trips

10M

Total Intersection Passenger Vehicle Benefit

\$500K

Avg Intersection Benefit per Action

\$6.67K

## Success Stories

- Identify incidents on partner agencies facilities (ex. IH 35) and adjust signal operations
- Responding in such a way increased effortless transportation network management and rider experience

Lost Creek

Lost Creek

Lost Creek

Lost Creek

Lost Creek

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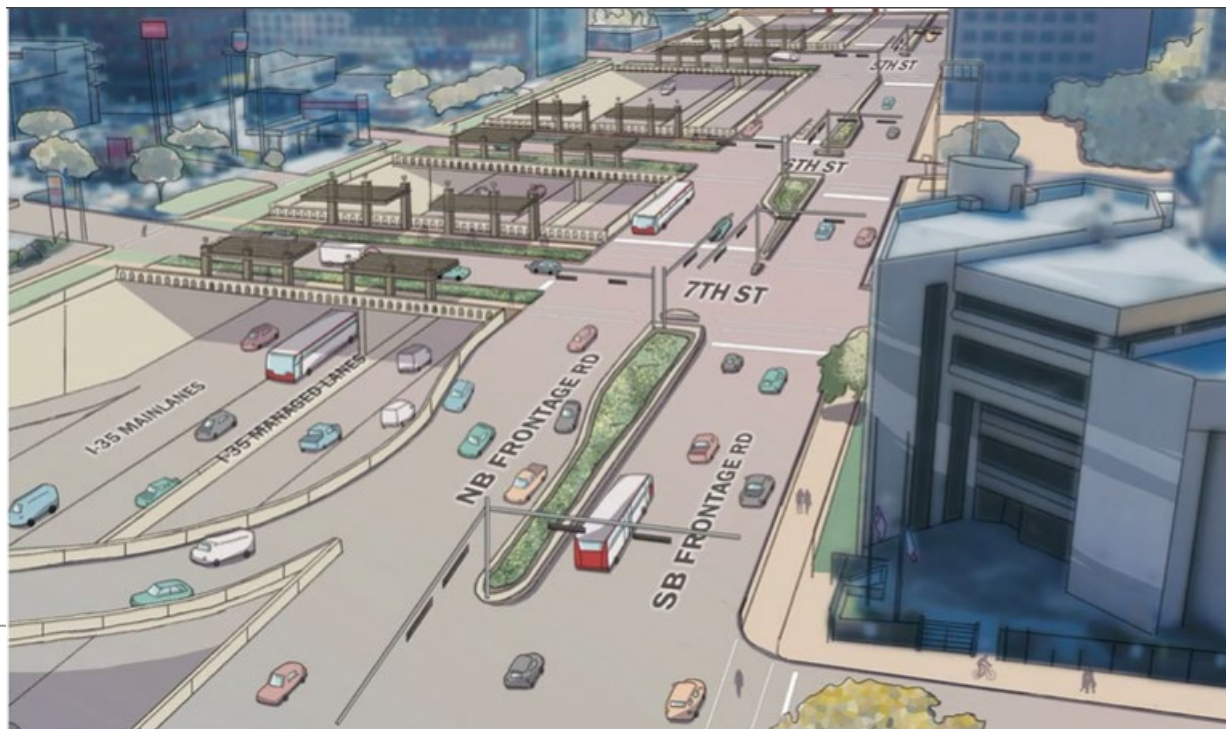




# What's Next?

- Project Connect - \$7B
  - 27 miles rail, 31 stations, 4 new Rapid Bus routes
  - Expand Transit Signal Priority
- I-35 Capital Expressway - \$5B
  - Reconstruction; Mobility, Safety, Connectivity
  - Construction starting 2022; Central starts 2025

Transit keeps Austin moving forward.





# Moving Forward

- One-System Management
  - Users experience transportation network across jurisdictional boundaries, so we should operate them as such
- Coordination at all levels
  - Current contacts with organizations from the ground-up improve response and awareness
  - Proactive contacts help when needing to be reactive





# Thanks!

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