



Regional Coordination for TMCs and Operations Staff

ITS Texas 2022

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PREPARED BY

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PREPARED FOR
 MOBILITY
MANAGEMENT
CENTER



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

13

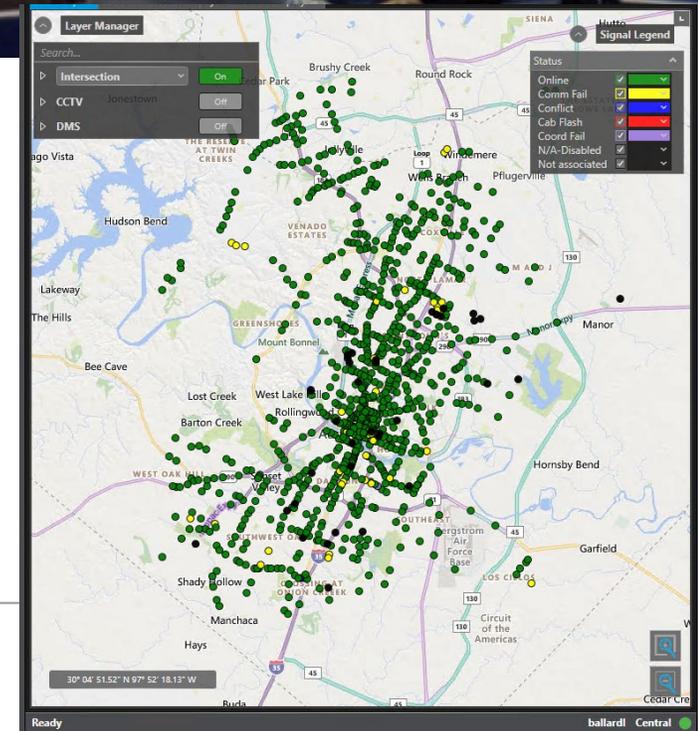
DYNAMIC
MESSAGE
SIGNS



1,000
CITIZEN
SERVICE
REQUESTS/
MONTH

771

SCHOOL ZONE BEACONS





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?



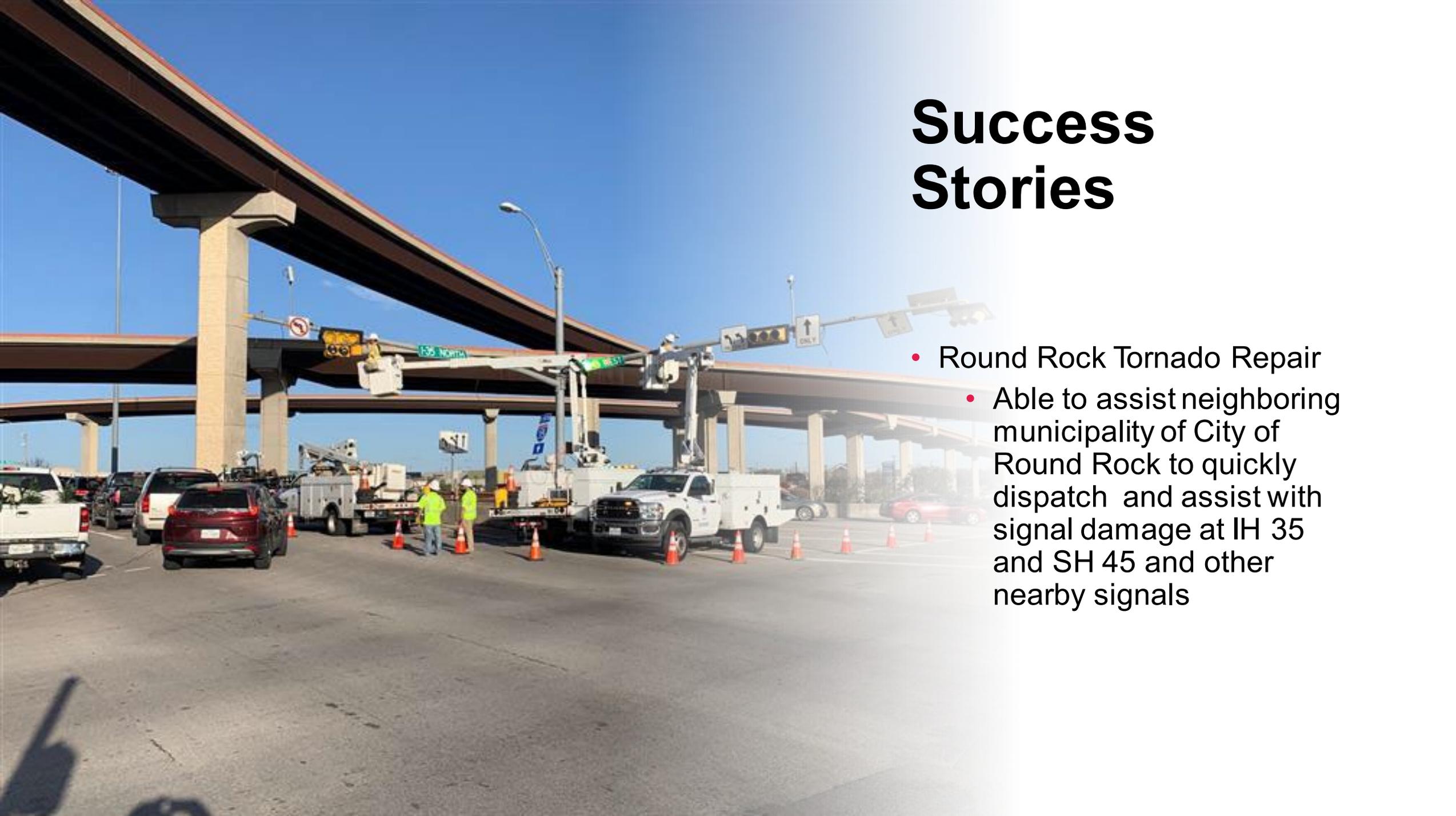
CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

- 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

Target Movement Avg % Delay Improvement

31%

Total Intersection Avg % Delay Improvement

8%

Target Movement Weighted Avg Delay Improvement

16 sec

Total Intersection Weighted Avg Delay Improvement

3 sec

Target Movement Impacted Trips

2M

Total Intersection Impacted Trips

10M

Target Movement Passenger Vehicle Benefit

\$433K

Total Intersection Passenger Vehicle Benefit

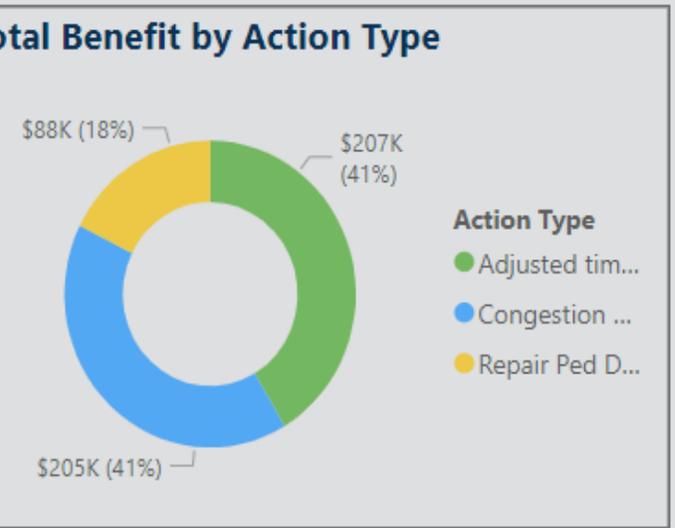
\$500K

Avg Target Movement Benefit per Action

\$5.69K

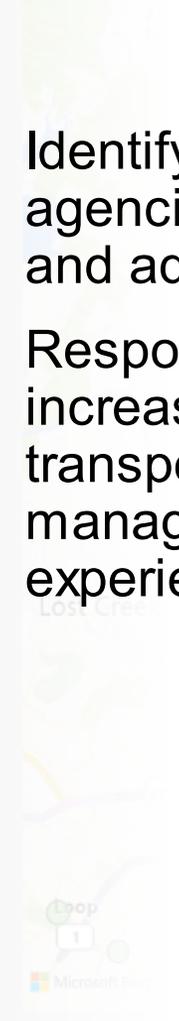
Avg Intersection Benefit per Action

\$6.67K



Action 1 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





What's Next?

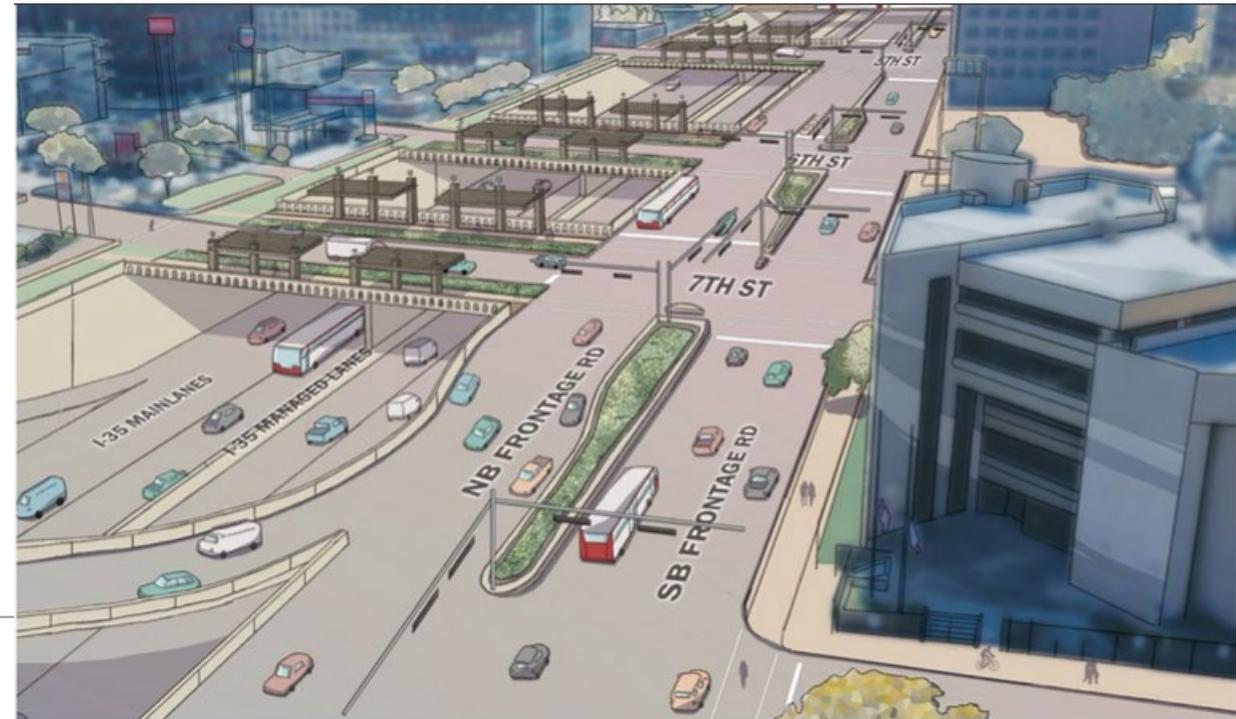
- Project Connect - \$7B
 - 27 miles rail, 31 stations, 4 new Rapid Bus routes
 - Expand Transit Signal Priority



Transit keeps Austin moving forward.



- I-35 Capital Expressway - \$5B
 - Reconstruction; Mobility, Safety, Connectivity
 - Construction starting 2022; Central starts 2025





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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