



Overview of the Arterial Management Division

Timing

Construction

Maintenance

ITS and Communications

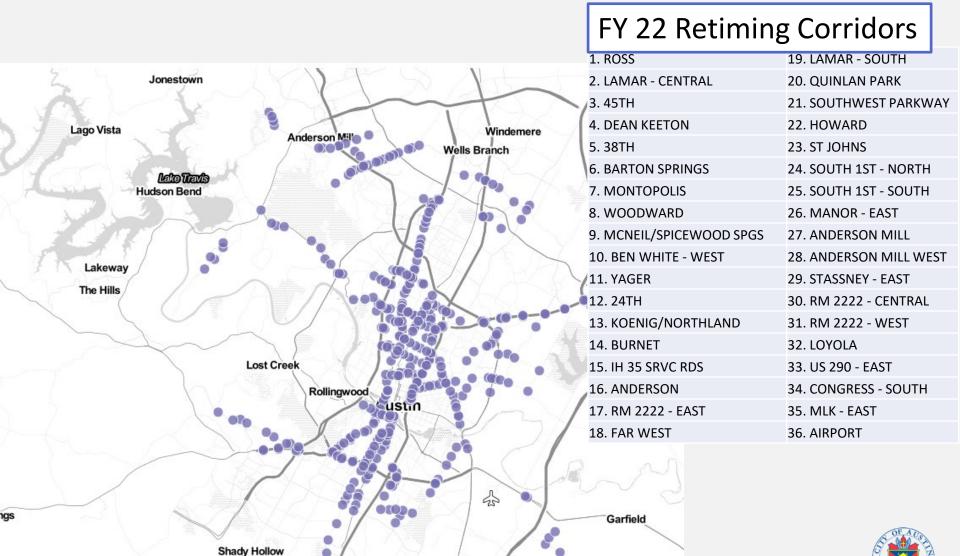
MMC

Project Delivery





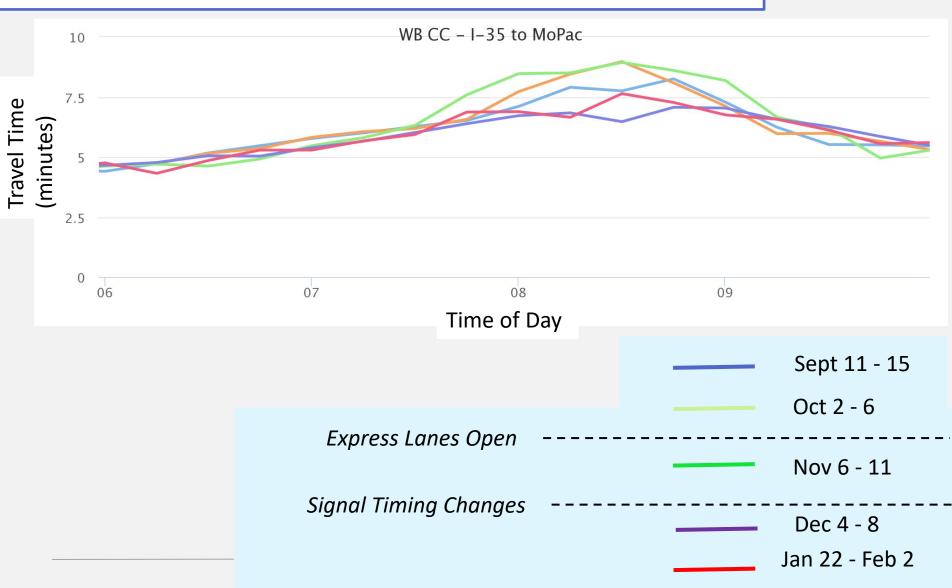
Annual Signal Retiming



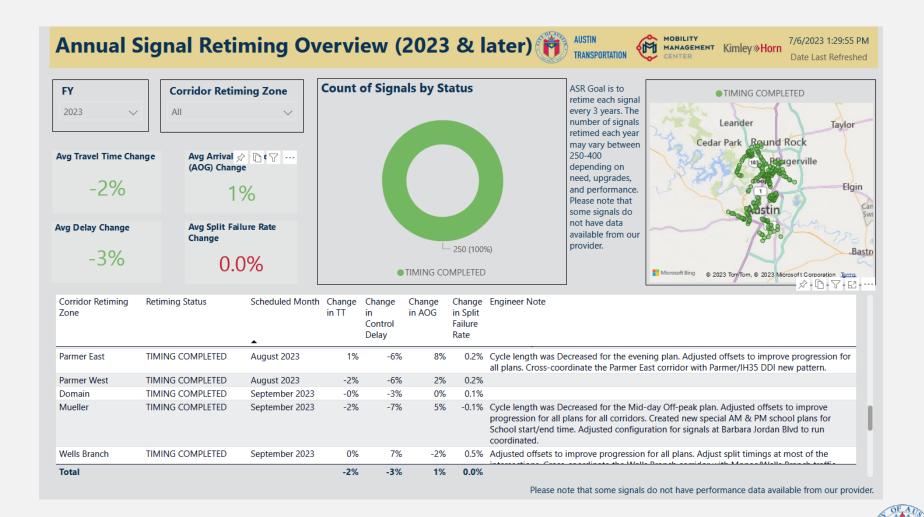
Onion Creek

Traditional Retiming Metrics

Cesar Chavez Corridor: Retiming after MoPac Express Lanes opened



Annual Signal Retiming



Annual Signal Retiming





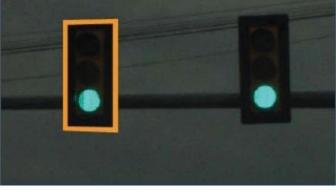


Signal Construction



TO CROSS
PUSH BUTTON

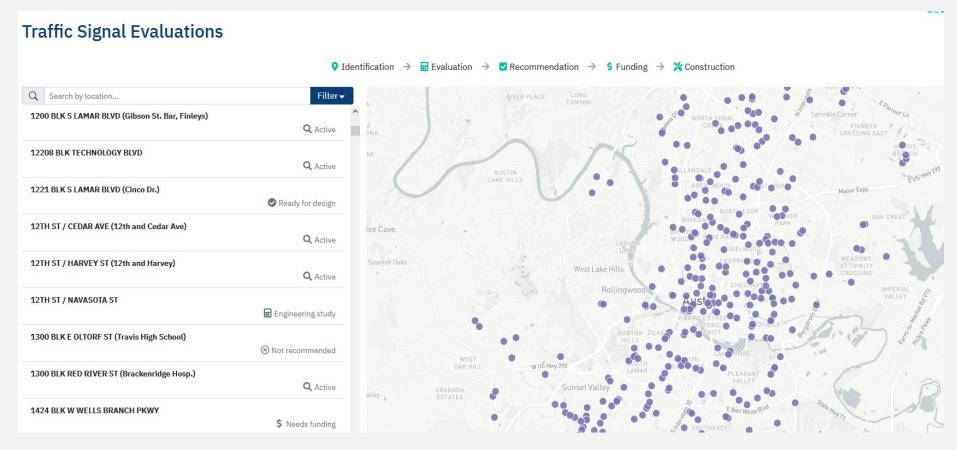






Signal Construction

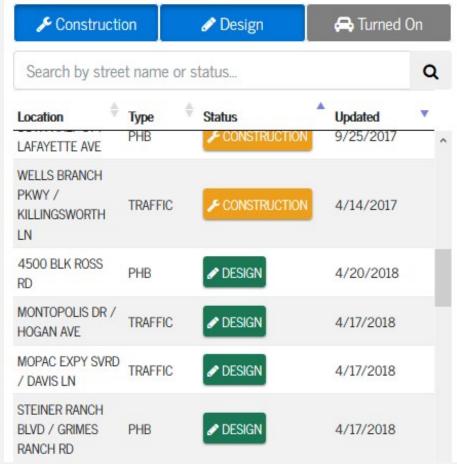
Signal Request Process

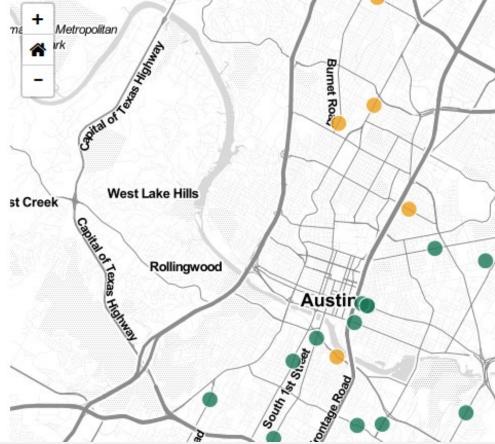




Signal Construction

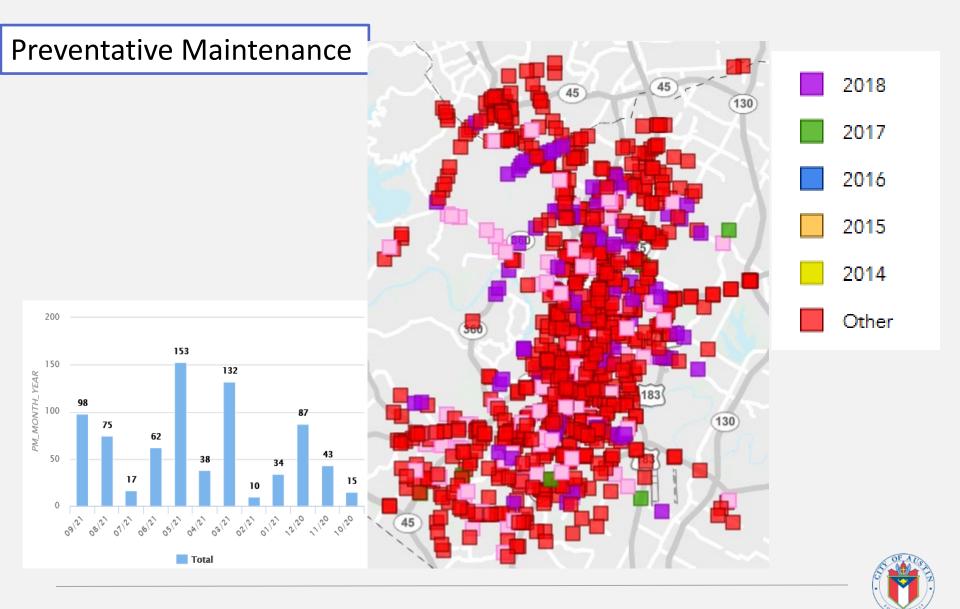






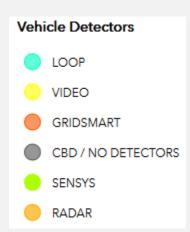


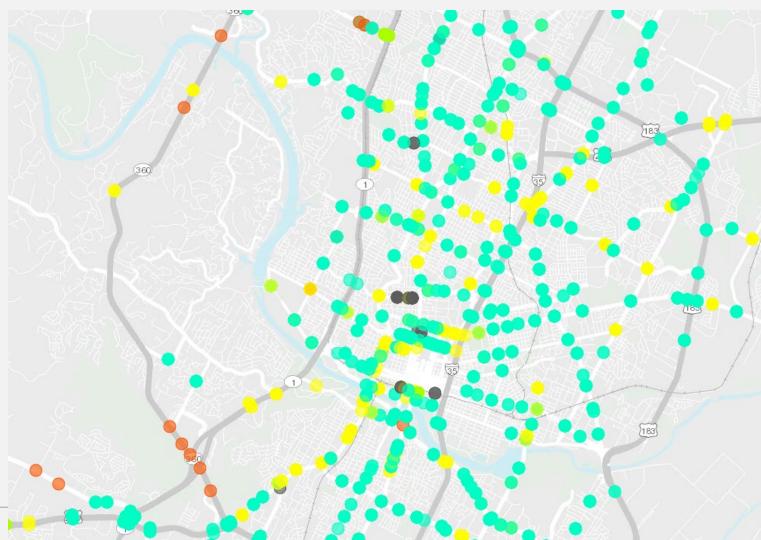
Signal Maintenance



Signal Maintenance

Detection





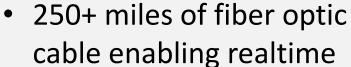
Signal Maintenance





Upgrading Signal Systems









- 680+ CCTV Cameras
- Resettable conflict monitors
- D4 controller firmware to enable "next gen capability"





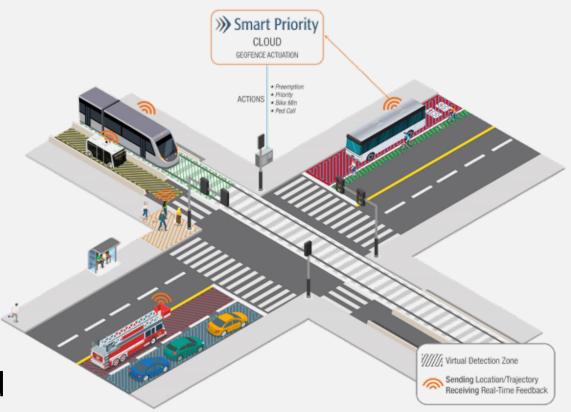
Smart Priority

Centralized
 Transit Signal Priority and
 Emergency Vehicle
 Preemption

GPS based

No equipment in field

Immediately scalable





Transit Signal Priority





Emergency Vehicle Preemption

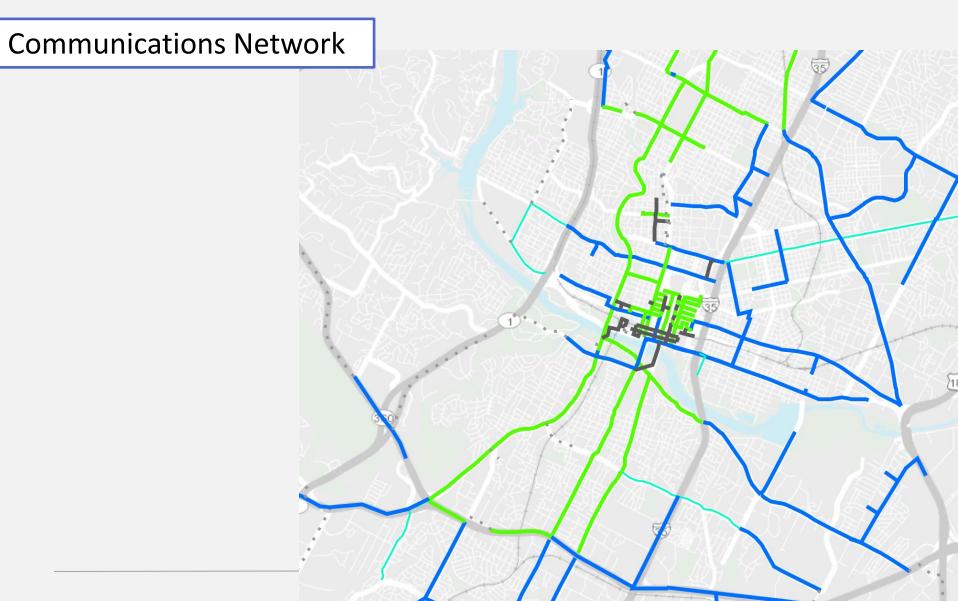




Currently 100+ locations using optical EVP

Moving toward a center-tocenter approach to expand City wide



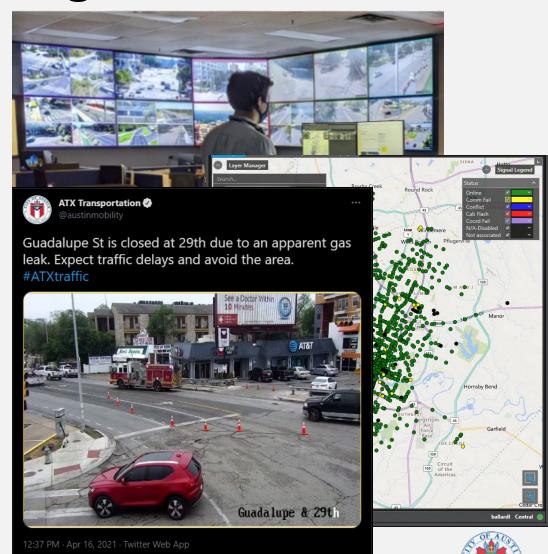




Mobility Management Center

Mobility Management Center

- Consultant Staffed
- Active Management:
 - 200 miles of Critical
 Arterials
 - Monitor traffic flow
 - Real-time signal adjustments
 - Traveler information
 - Maintenance management
 - Dispatch technicians
 - Event management



Summary of some things on the horizon

Communications and ITS Plans to improve Redundancy and Resiliency
Lane Closure Reporting System
One System Regional TMC
Inter-agency Data and CCTV Sharing

Challenges

Maintenance of existing infrastructure
Staff inexperience
Contractor Availability
Aultiple High Profile/ Resource intensive

Multiple High Profile/ Resource intensive projects in the pipeline

City Growth – impact on existing and new infrastructure

