

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

February 24, 2021

Welcome and opportunity for public comment



1

Bobby Jenkins
Chairman

Consent Agenda

Approve the minutes from the January 27, 2021 Regular Board Meeting



2

Bobby Jenkins
Chairman

Accept the financial statements through January 2021 and consider the monthly budget update

3

William Chapman – Interim Executive Director/CFO
Robert D. Goode - Deputy Executive Director
Mary Temple - Controller



**Most recent figures
to be presented at Board
Meeting**

**Authorize the Issuance, Sale and Delivery
of Central Texas Regional Mobility
Authority Senior Lien Revenue Bonds, and
Subordinate Lien Revenue Bond
Anticipation Notes in accordance with
specified parameters for construction of
the 183 North Mobility Project and other
System Improvements**

4

William Chapman

Interim Executive Director/Chief Financial Officer



Parameters Resolution

- » The resolution delegates to the Board Chairman, the Executive Director, Chief Financial Officer and any person serving in an interim capacity for such positions (each, an “Authorized Officer”) the authority to approve the financing transaction under the parameters set forth in the resolution.



- » The aggregate principal amount of the Senior Lien Revenue Bonds to be issued shall not exceed \$300,000,000; and
- » The aggregate principal amount of the Subordinate Lien Revenue Bond Anticipation Notes to be issued shall not exceed \$300,000,000; and
- » Each series of Obligations shall not bear interest at a true interest rate greater than 5.00%; and
- » Each series of Obligations shall mature not later than January 1, 2057;

Discuss and consider approving the Mobility Authority Annual Report

5

Jori Liu

Acting Director of Communications

Discuss and consider awarding a contract to Deloitte Consulting LLP for the development of a data platform and associated transaction routing and system interfaces to support toll transaction management



6

Tracie Brown, Director of Operations
Greg Mack, Asst. Director of Toll Systems and IT



- » **Description:** The objective of the data platform project is to transition all toll transaction data processing and data management capabilities after the point of transaction creation to an Authority-managed solution. The solution will be developed through a five-release modular approach.
- » **Total Project Cost:** Estimated at \$4-6M; does not include hardware, software licensing or ongoing.
 - » Today's action relates to Releases 1 and 2 only.



» Release 1 – Establish Platform

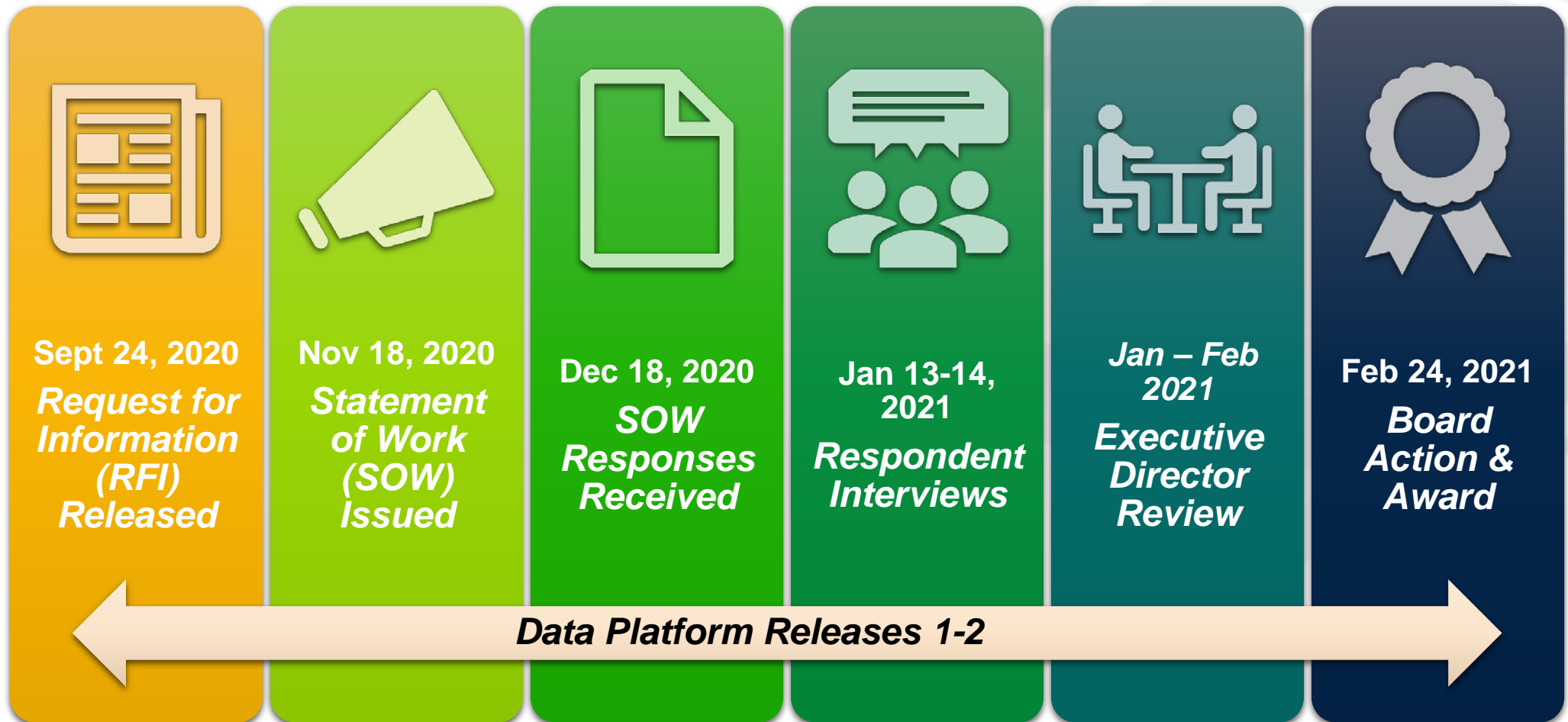
- » **Projects:** Data Platform solution; toll transaction databases; and roadway transaction data
- » **Outcomes:** Data Platform environment; internal roadway transaction data; and SLA-driven quality

» Release 2 – Routing and Exchanges

- » **Projects:** Interop transaction interface; PBM transaction interface; transaction routing logic and rules; and TxDMV interface
- » **Outcomes:** Interim transaction routing and data exchanges



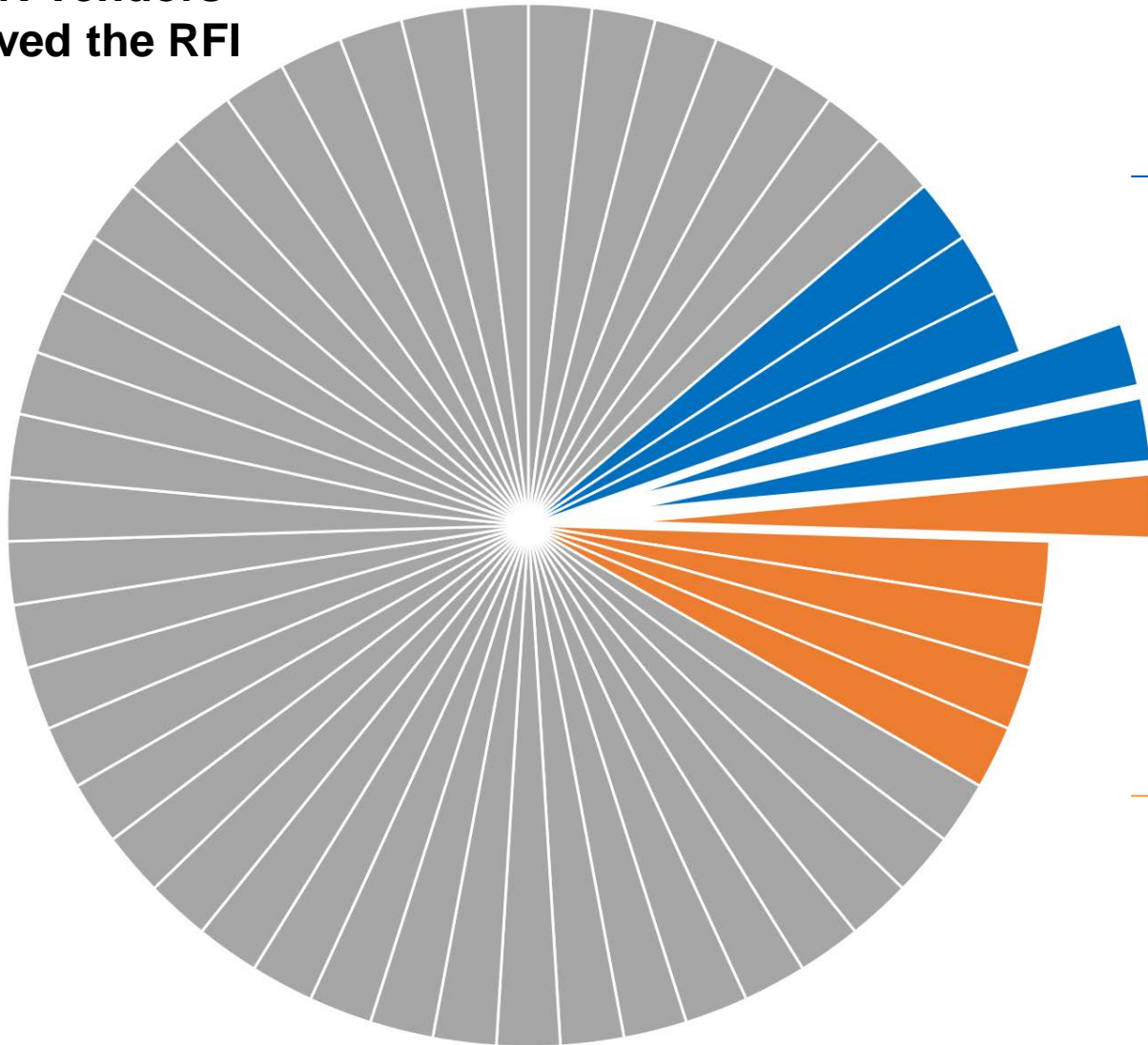
Data Platform Project Procurement Timeline





DIR Procurement Process to Selection

51 DIR Vendors received the RFI



10 Vendors received the Statement of Work (SOW)

3 Vendors Responded to the SOW

5 Vendors responded to the Request for Information (RFI)

5 Vendors received the RFI and did not respond

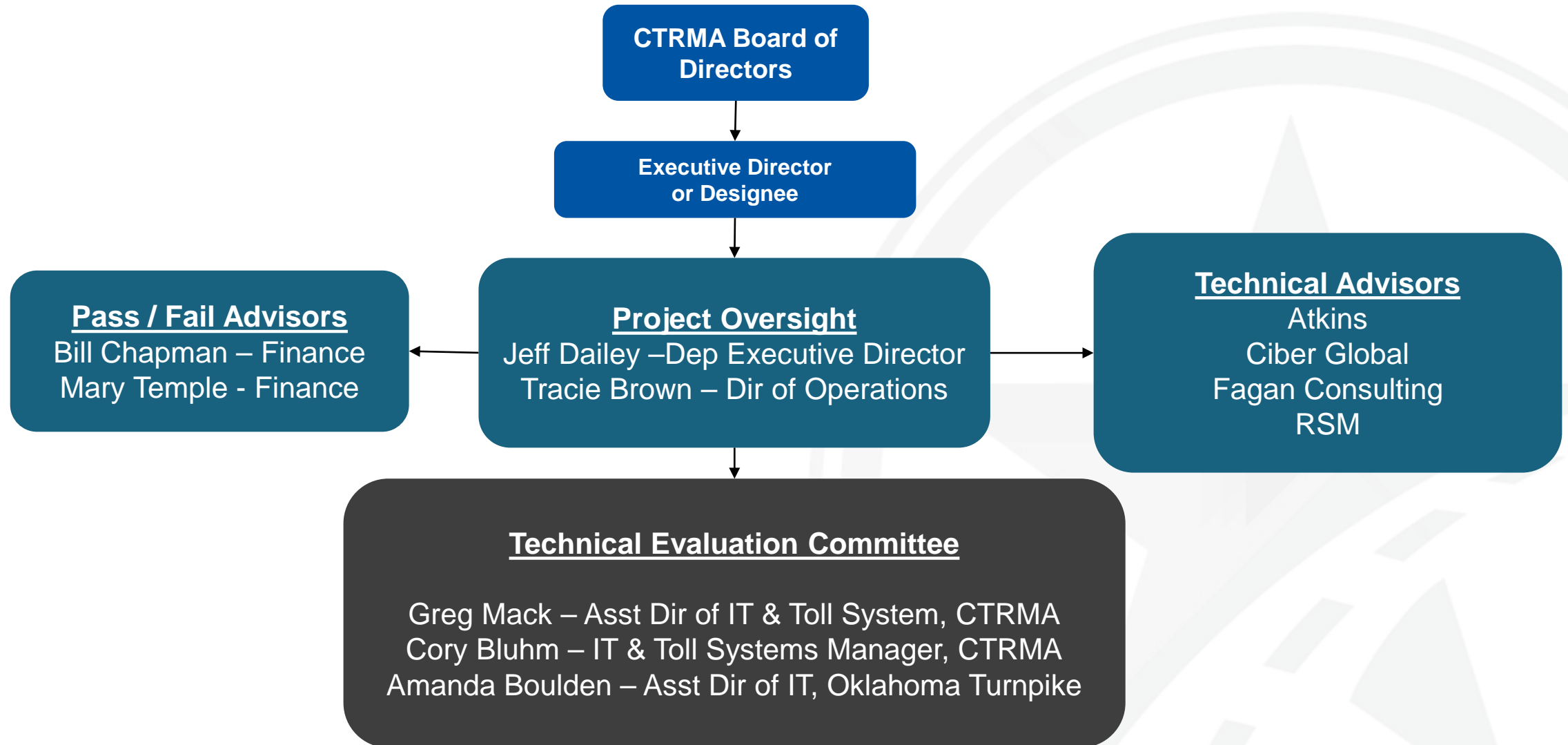


STATEMENT OF WORK (SOW) RESPONDENTS

Catapult Systems, LLC

Deloitte Consulting LLP

Ernst & Young US LLP





Evaluation Criteria

**Technical
Proposal**

70%

**Cost
Proposal**

30%

**Financial
Ability
to Implement**

PASS / FAIL



The recommended firm is
Deloitte Consulting LLP

Deloitte.

Google



- » **Staff recommends award of a contract to Deloitte Consulting LLP for the development of a data platform and associated transaction routing and system interfaces to support toll transaction management**
- » **Next steps:**
 - » Refine schedule and seek Board approval on contract
 - » Identify needed software, hardware and hosting required to support Releases 1-2
 - » Assess cost of development of Releases 3-5
 - » Seek Board approval on additional contracts / IT purchases

Discuss and consider approving a shortlist of proposers to receive the Request for Proposals for Toll Systems Collection Integration and Maintenance Services

7

Tracie Brown

Director of Operations



- » **Description:** The objective of this procurement is to establish a contract with a Toll System Integrator (TSI) who will provide toll systems integration and maintenance services of the Authority's electronic toll collection system (ETCS). Today's action approves the release of the Request for Proposals (RFP) to prequalified TSIs.
- » **Total Project Cost:** estimated at \$66,973,817 (*includes toll system installation / replacement as well as projected maintenance costs*)
- » **Anticipated Notice to Proceed:** August / September 2021



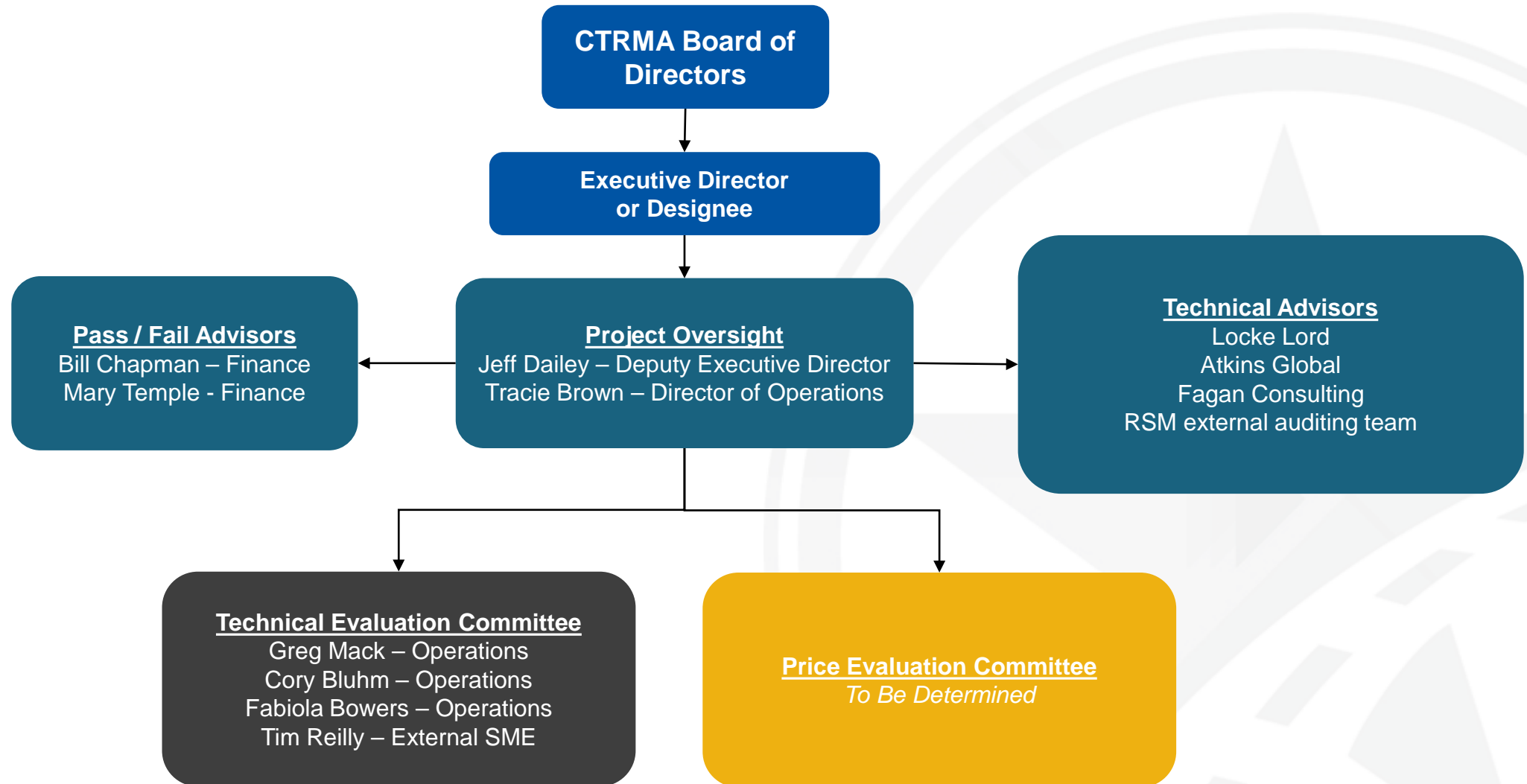
- » Roadside systems and infrastructure to support vehicle identification, classification, and enforcement as well as DVAS cameras
- » Processing, tracking, and storing all transactions generated by roadside tolling equipment.
- » A trip building system that creates trips based on CTRMA's business rules
- » Complete image processing including all systems, and required operations staff
- » A dynamic pricing system that calculates and provides toll rates based on traffic conditions in the express and general-purpose lanes
- » Communication of toll rates to the Variable Toll Message Signs (VTMS) located on express lanes
- » Variable Toll Message Signs (VTMS) to display toll rates on express lane facilities



- » An interface with the Authority's Data Platform Host (DPH) for transmission and reconciliation of trips, images, and for receipt of Transponder Validation Lists (TVL) and other files
- » All necessary maintenance services to support all hardware, software, and network on the ETCS
- » A Maintenance Online Management System (MOMS) that supports configurable alerts/alarms, work order creation, and dashboards
- » Staff to support CTRMA's TIM Center operations
- » Network administration of all ETCS communications equipment, software, cables, connections, configurations necessary to operate the ETCS



ETCS Procurement Evaluation Chart





Procurement Steps & Timeline



Nov 2020
*Request for
Qualifications
(RFQ)
Released*



Jan 2021
*RFQ
Responses
Received*



Feb 2021
*Recommended
TSIs for RFP*



March 2021
*RFP
Issued to
Prequalified
TSIs*



June 2021
*RFP
Responses
Received*



August 2021
*Recommended
TSI for
Contract*



RFQ Respondents

- emovis
- ETC
- Kapsch
- TrafficCom, USA
- Parson | Neology Joint Venture
- SICE / ACS Joint Venture
- TransCore



Short listed RFP Recipients

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



Recommended Vendor



ETCS RFQ Response Evaluation Criteria

**Project
Approach
Proposal**

75%

**Client
References**

15%

**Evidence
of SOC
Audit**

10%

**Financial
Ability
to
Implement**

PASS / FAIL

**Past
Contract
Performance**

PASS / FAIL



- » **Staff recommends that the Board short-list the following Proposers to receive ETCS Request for Proposal (RFP) documents:**
 - » *To be disclosed at the February 24, 2021 board meeting*

**Discuss and consider
approving a contract with
Great Hills Constructors
for the design and
construction of the 183
North Mobility Project**

8

Mike Sexton, P.E.

Acting Director Engineering



183 North Mobility Project



» Project Limits:

» SH 45 to MoPac/Loop 1

» Project Length:

» 9 miles on US 183

» Total Project Budget:

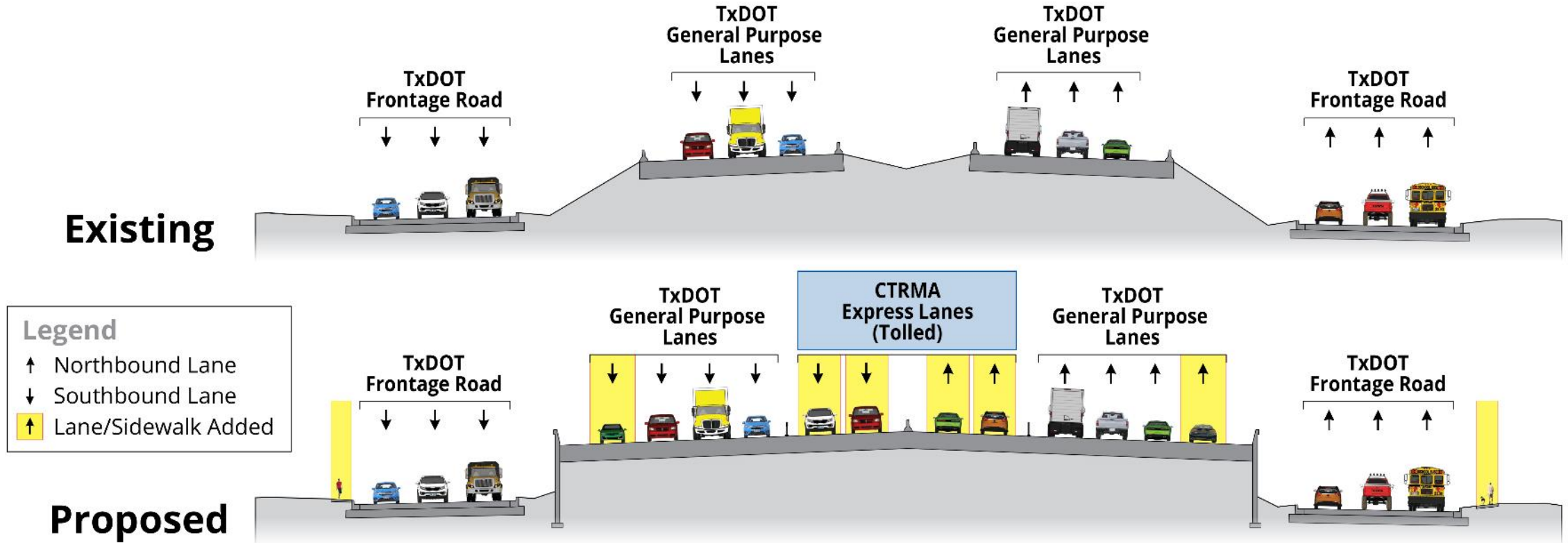
» \$612 Million

» Project Status:

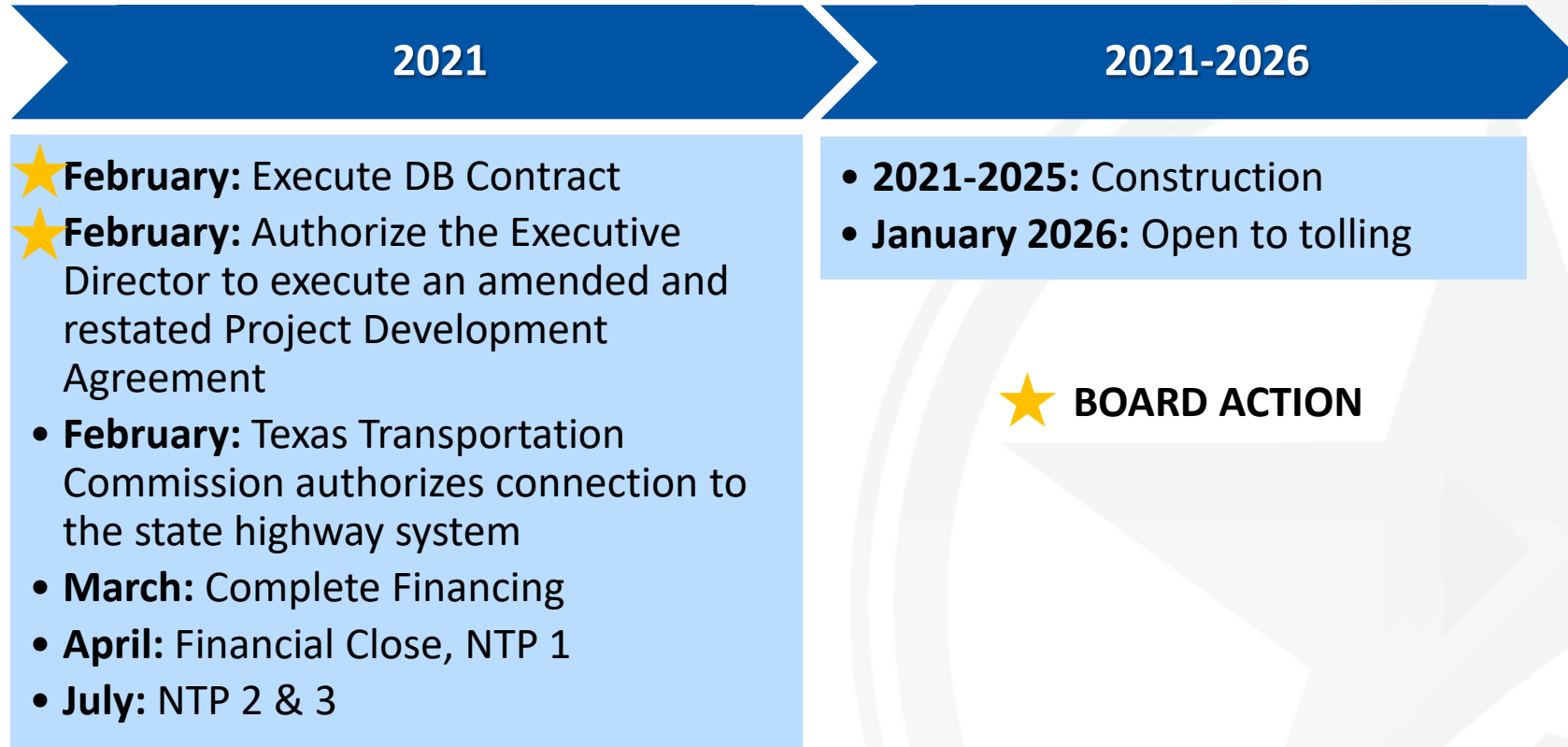
» Apparent Best Value Proposer approved on February 8, 2021



Project Scope



- » Two express lanes (each direction) and addition of a fourth general purpose lane
- » Direct connector at MoPac and other MoPac operational improvements including a collector-distributor road
- » Sidewalk and intersection improvements for bicycles and pedestrians





» **Great Hills Constructors**

» Archer Western Construction, LLC

» Sundt Construction, Inc

» Major Participants:

- Parsons Transportation Group Inc.

» Dedicated Subcontractors:

- Hicks & Company Environmental / Archeological Consultants
- O.R. Colan Associates, LLC
- Cobb, Fendley & Associates, Inc.
- Vickrey & Associates
- ADISA Communications

- P.E. Structural Consultants, Inc.
- Arias Geoprosessionals
- SAM LLC
- Lina T. Ramey and Associates, Inc.
- PaveTex Engineering and Testing, Inc.



Recommendation

- » Staff recommends that the Board authorize and direct the Executive Director to execute the Design-Build Agreement with Great Hills Constructors in an amount not to exceed \$477,149,654 for design and construction of the 183 North Mobility Project.

Discuss and consider authorizing the Interim Executive director to negotiate and execute an Amended and Restated Project Development Agreement with TxDOT for the 183 North Mobility Project

9

Mike Sexton P.E.

Acting Director of Engineering

Discuss and consider approving Work Authorization No. 21_01 with Atkins North America Inc. for general engineering consultant services to provide project management and oversight of the Barton Skyway Ramp Relief Project

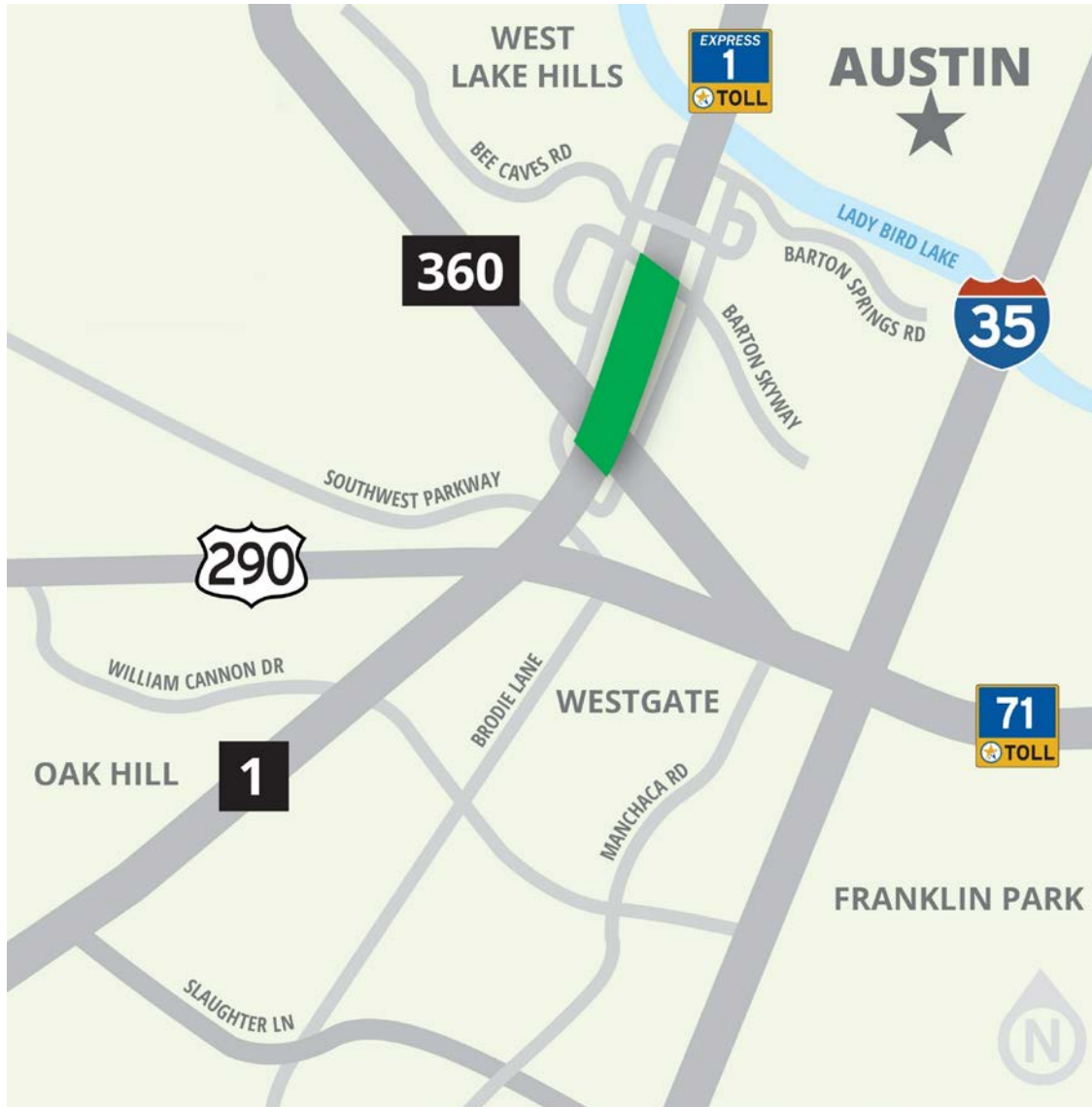
10

Mike Sexton P.E.

Acting Director of Engineering



Barton Skyway Ramp Relief Project



- » **Project Limits:**
 - » Barton Skyway to Loop 360
- » **Project Length:**
 - » 1.5 miles on MoPac
- » **Total Project Cost:**
 - » \$15 Million
- » **Project Status:**
 - » Environmental/Preliminary Design



Barton Skyway Ramp Relief Project Scope

Add auxiliary and merge lanes between Barton Skyway and Loop 360 to relieve congestion at the southbound Winsted/Enfield on-ramp merge

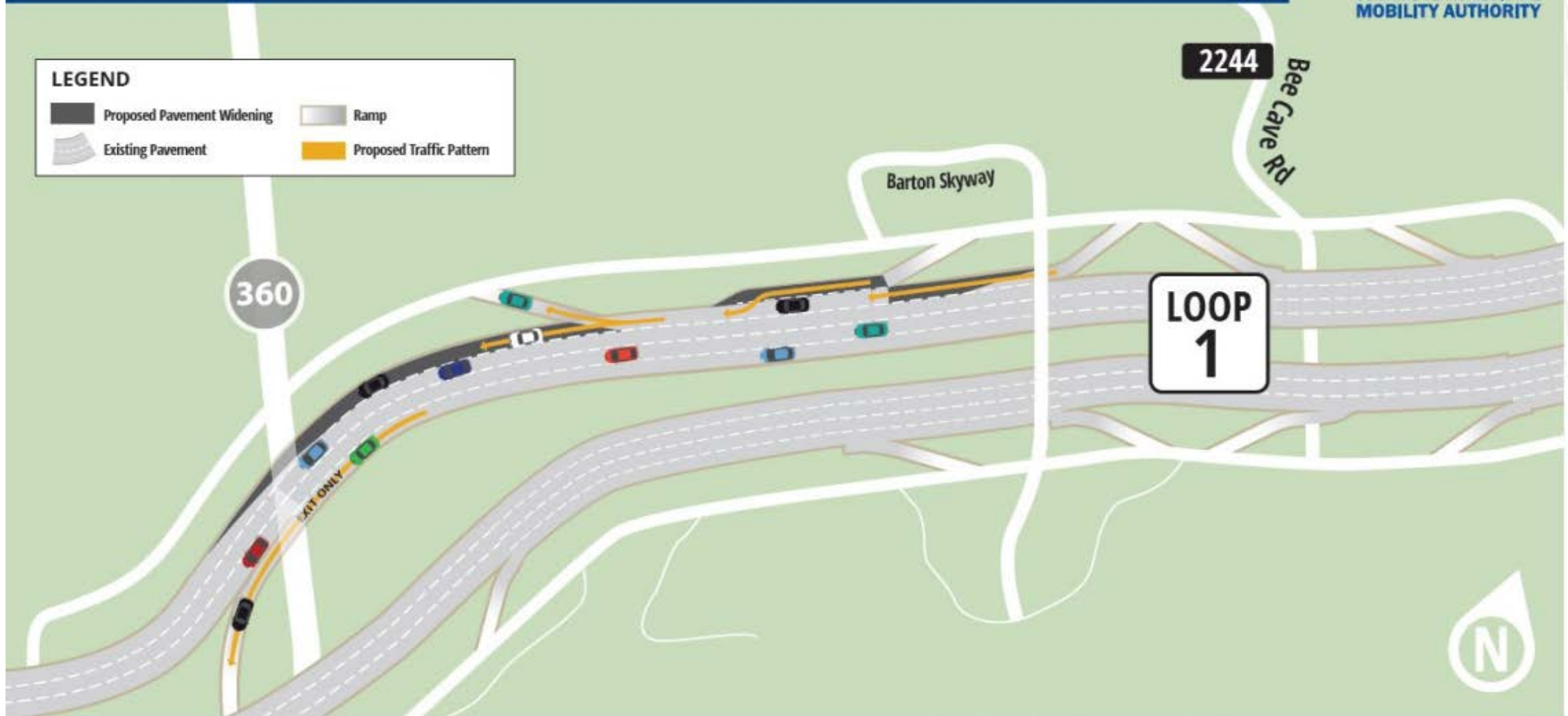
Cost Estimate = \$15 million



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

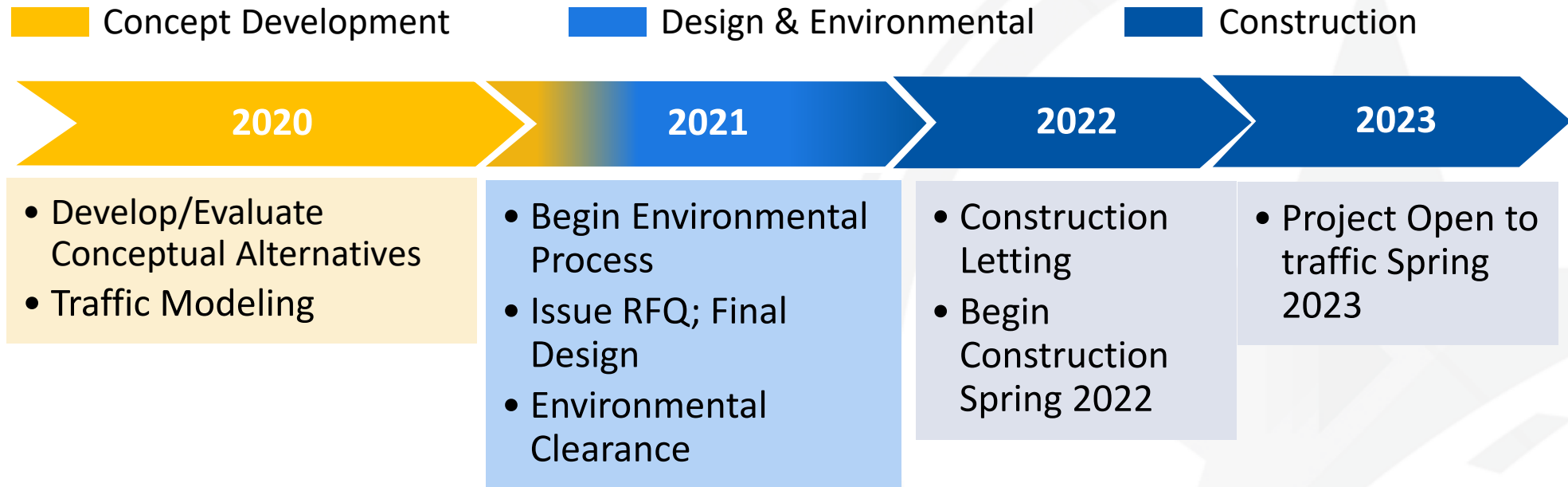
LEGEND

 Proposed Pavement Widening	 Ramp
 Existing Pavement	 Proposed Traffic Pattern





Barton Skyway Ramp Relief Project Timeline





Accomplishments

- Conceptual Configuration Selected
- Initial Coordination with TxDOT
- Draft Design Schematic Developed
- TxDOT Advance Funding Agreement

Next Steps

- TxDOT Coordination
- Begin Final Design – Mid 2021
- Receive Environmental Decision – Late 2021
- Advertise for Construction Bids – Early 2022
- Award Construction Contract – Early 2022
- Begin Construction – Early 2022
- End Construction / Open to Traffic – Early 2023



» Recommendation

Staff recommends approval of a work authorization with Atkins to perform general engineering consulting services to provide environmental service and design oversight services of the Barton Skyway Ramp Relief Project in an amount not to exceed \$773,732.

Regional Express Bus Park and Ride update

11

Jeff Dailey

Deputy Executive Director



» Program Objectives

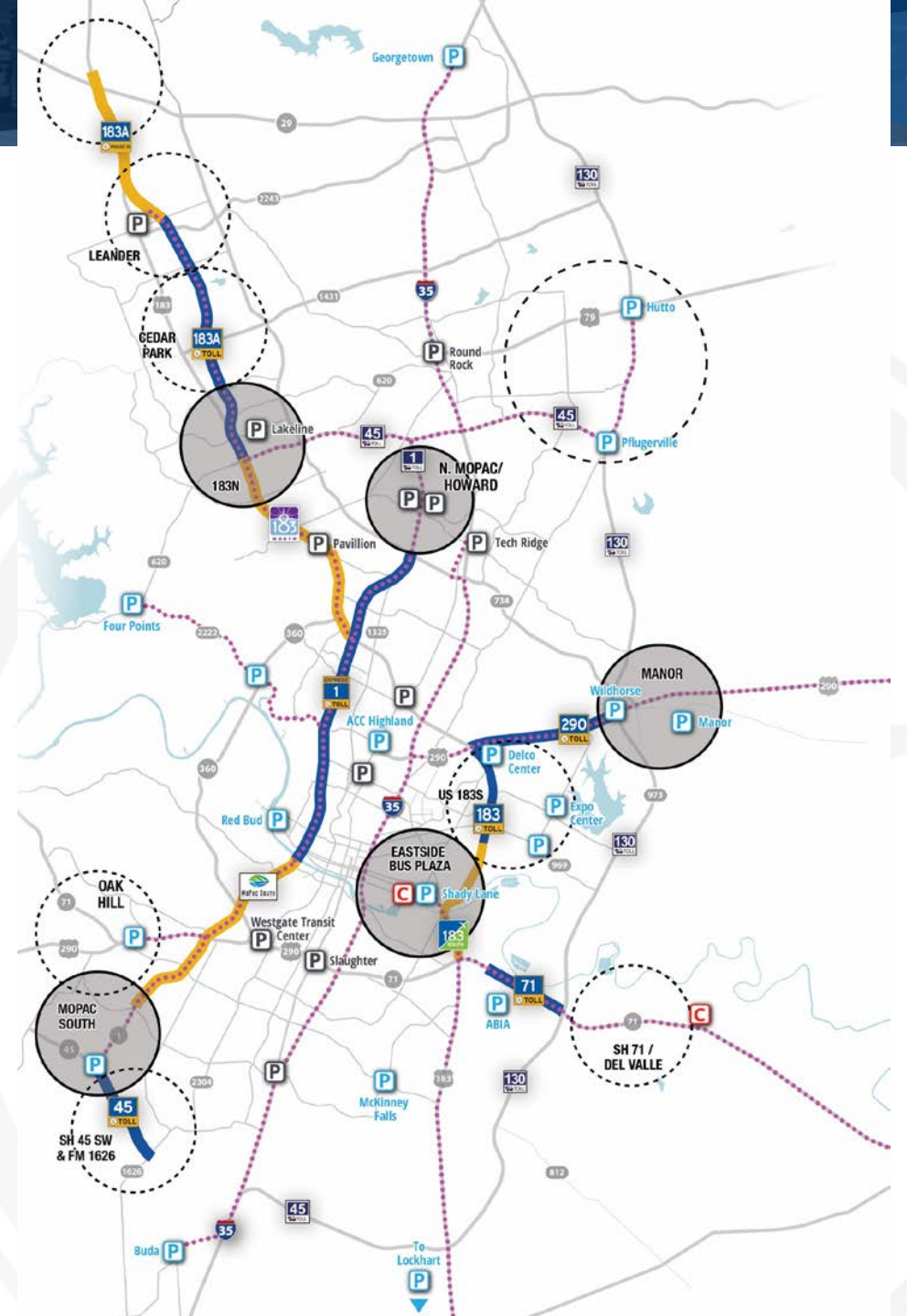
- » Develop park and ride facilities along Mobility Authority corridors
- » Increases capacity, reduces congestion, improves air quality, reduces fuel consumption, provides equity of access to reliable mobility

» Priority Locations

- » MoPac South
- » Eastside Multimodal Center
- » Manor
- » Howard Station Expansion
- » Lakeline Expansion

Legend

- CTRMA Projects in Development
- Existing CTRMA Project
- CARTS Park and Ride
- Existing Capital Metro Park and Ride
- Planned Capital Metro Park and Ride
- Express Bus Routes
- Initial Implementation Plan Location
- Future or to be Done by Others





» Existing conditions

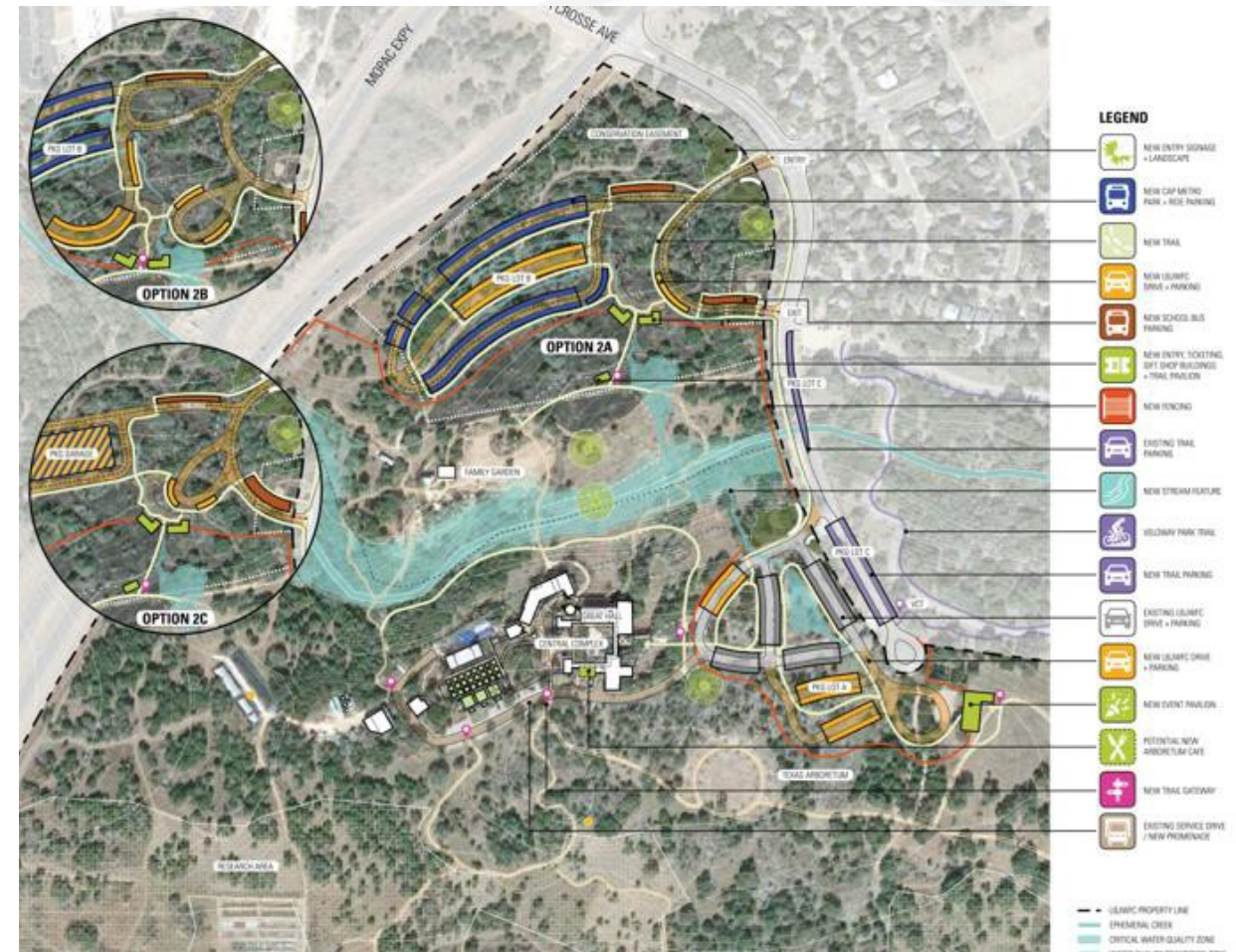
- » No park and ride service in area
- » Insufficient parking capacity for Lady Bird Johnson Wildflower Center and Veloway
- » Accessibility and safety for facilities and adjacent neighborhood are adversely impacted

» Concept plan

- » Multipurpose parking facility to add parking capacity for:
 - Lady Bird Johnson Wildflower Center and Veloway
 - South MoPac park and ride service

» Estimated Cost

- » \$15M - \$25M





» Concept Plan

- » Multi-modal station includes 2,200 sq. ft. passenger terminal and 10 bus bays
- » Cap Metro Routes / Trips: 106 daily connections across 4 routes
- » CARTS Routes / Trips: 28 daily connections across 8 routes

» Estimated Cost and Contribution

- » Total cost = \$7.5M
- » \$400k contribution from Mobility Authority

» Status

- » Construction to be completed by May 2021



727.520.8181
www.aerophoto.com

CARTS - Eastside Bus Plaza

Image # 51
Date 11.08.2020



» Existing conditions

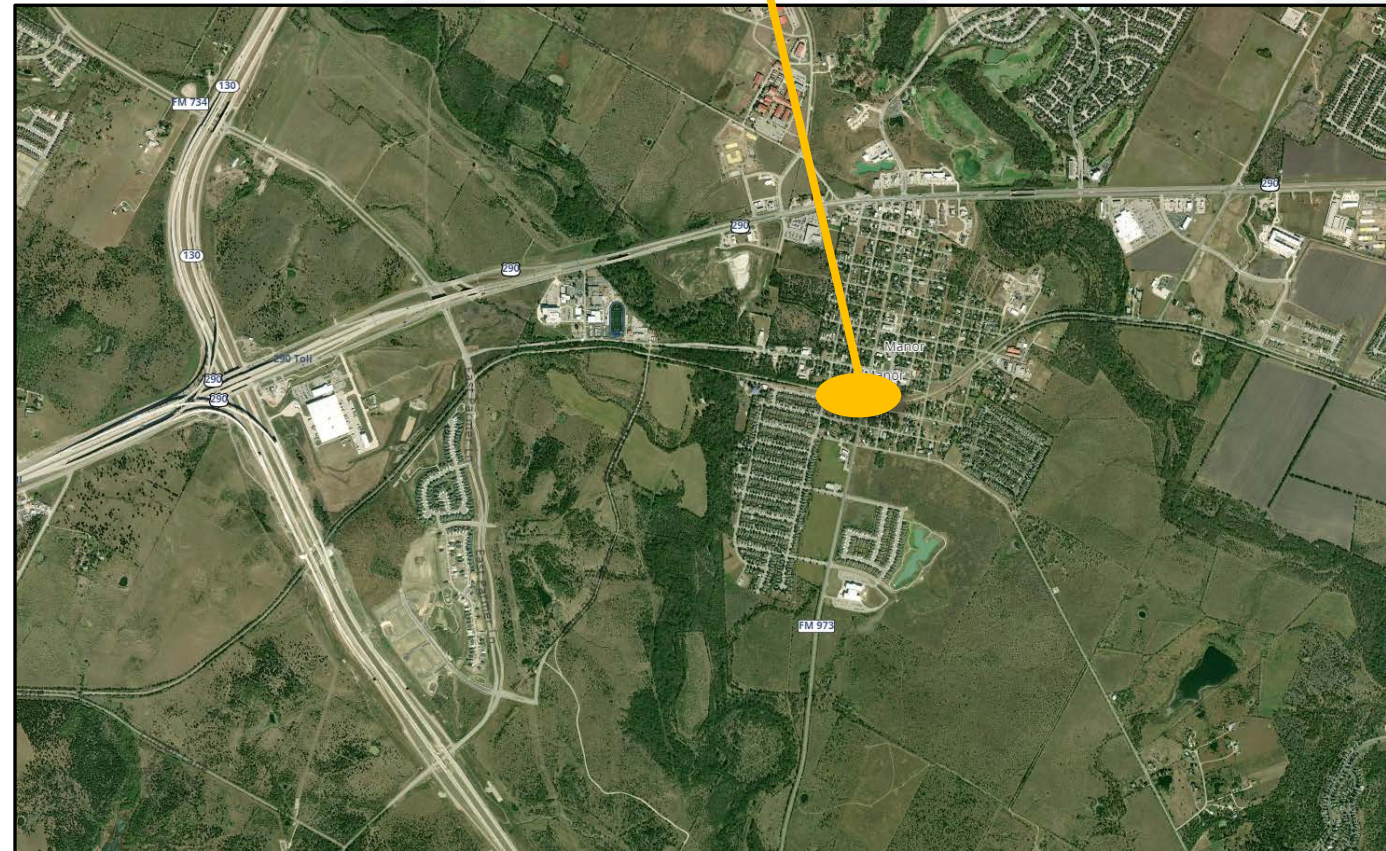
- » Limited current capacity and service
- » 70 spaces and 50% utilization

» Concept Plan

- » Potential to compliment transit-oriented development
- » Increase capacity to +/-450 spaces
- » Improved access and upgrade to express bus service

» Estimated Cost

- » \$5M - \$10M





» Existing Conditions

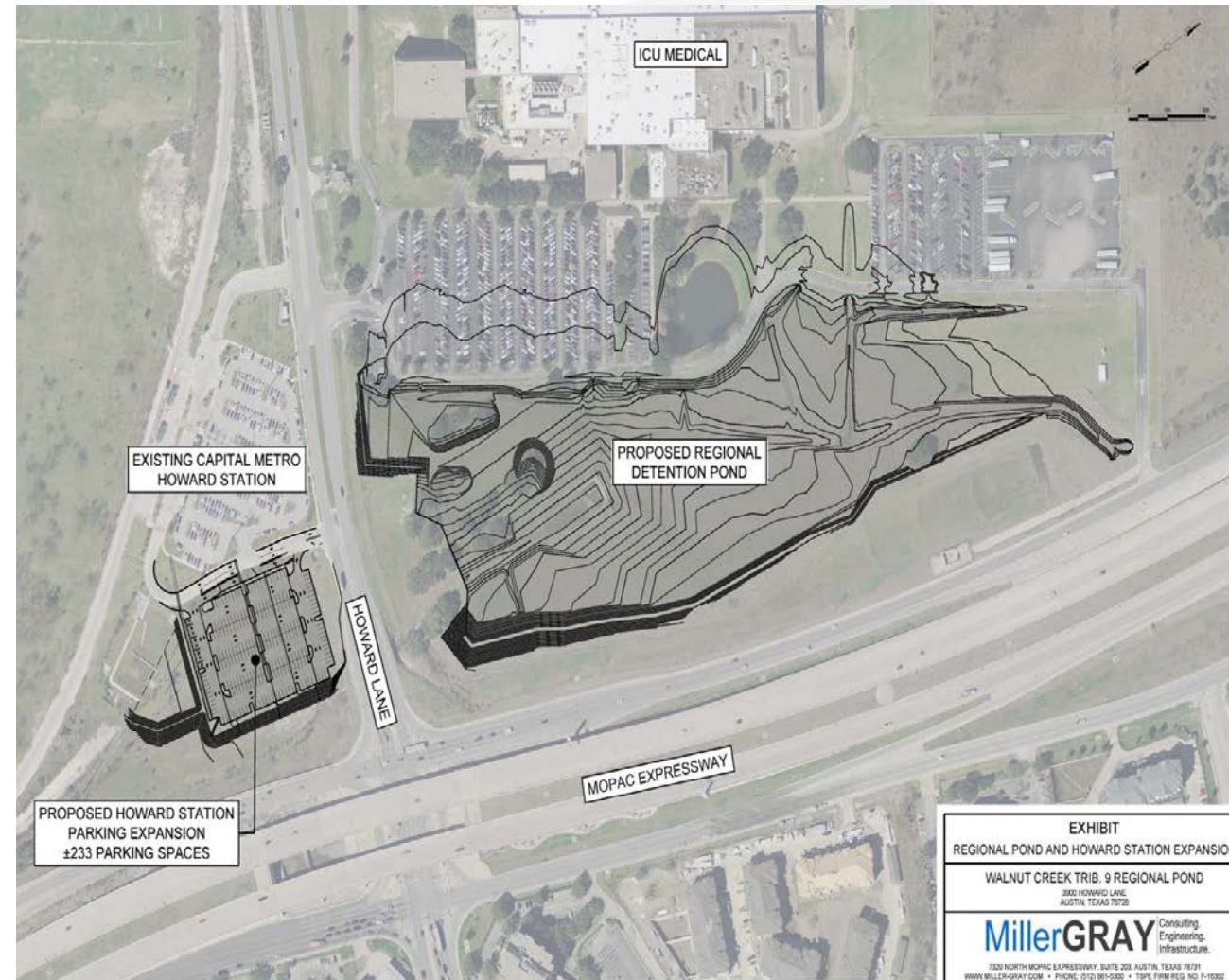
- » 301 spaces @ Howard parking facility
- » 125 spaces @ New Life Church
- » 85% utilization

» Concept Plan

- » Increase capacity by +/-230 spaces by expanding Howard Station parking facility
- » Possible multipurpose parking facility or structure
- » Improve access with road and signalization

» Estimated Cost

- » \$8.5M





Lakeline Station Expansion

» Existing Red Line Station

- » 935 Spaces and 75% utilization

» Plan Concept

- » Multi-purpose transit-oriented development parking structure
- » Increase parking capacity by +/-400 spaces

» Estimated Cost

- » TBD





Project Connect

- » Voter-approved 8.75 cents property tax rate for operations, maintenance, and capital
- » \$7.1 billion capital cost – anticipates 45% federal funding
- » New rail system: Orange, Blue, and Green lines
- » 4 new rapid bus routes: Gold Line, Expo Center, Pleasant Valley, Burnet
- » 9 new park and ride including *Wildflower Center* and *Eastside Bus Plaza*.
- » 15 new circulators

LEGEND

LIGHT RAIL
 Orange Line
 Potential Future Extension
 Blue Line

METROEXPRESS
 Red Line
 Green Line
 Potential Future Extension

METROBRAID
 Gold Line
 Enhanced MetroRapid Route
 Potential Future Extension

METROBUS
 Current Frequent Local Routes

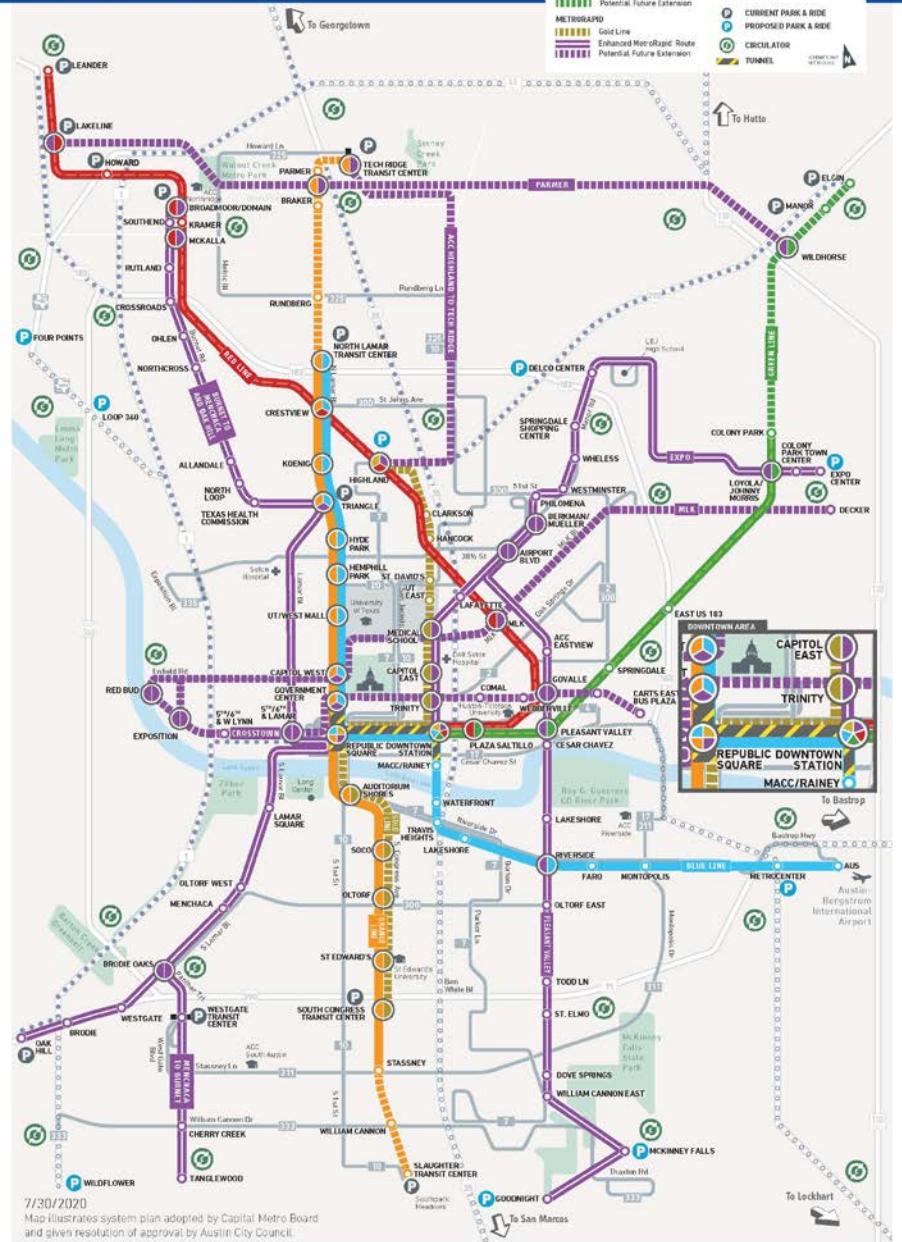
METROEXPRESS
 Current MetroExpress
 Future MetroExpress

ADDITIONAL AVAILABLE SERVICES
 MetroAccess
 Metrabike

CURRENT PARK & RIDE
 PROPOSED PARK & RIDE

CIRCULATOR

TUNNEL





- » Confirm level of Mobility Authority participation
 - » Current direction is planning and concept design, and construction on a case-by-case basis.
- » Confirm workplan and funding for FY22
- » Potential FY22 workplan
 - » Program management and technical support to advance planning efforts
 - » Develop or finalize concept designs and cost estimates
 - » Develop project agreements (legal support required)
- » Questions?

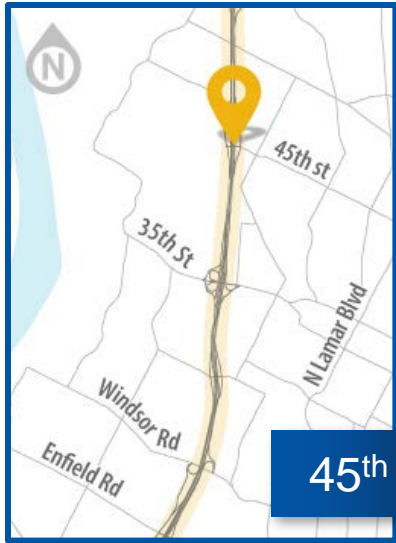
Aesthetic improvements in the vicinity of MoPac and Lake Austin Boulevard

12

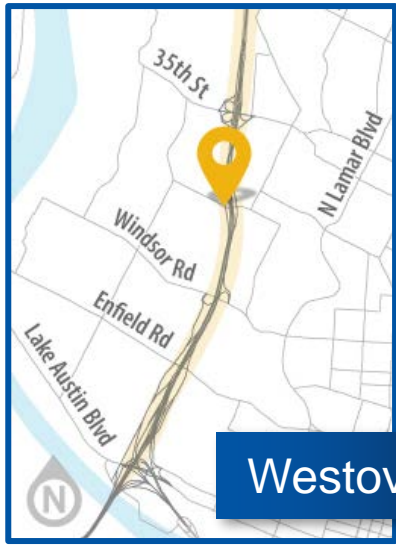
Robert Goode - Deputy Executive Director
Mike Sexton, P.E. - Acting Director of Engineering



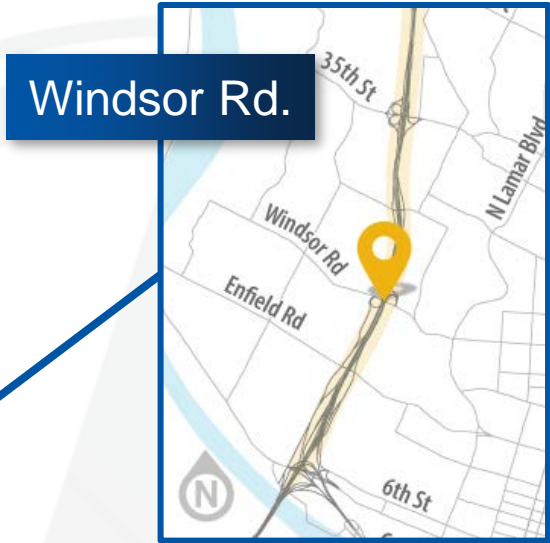
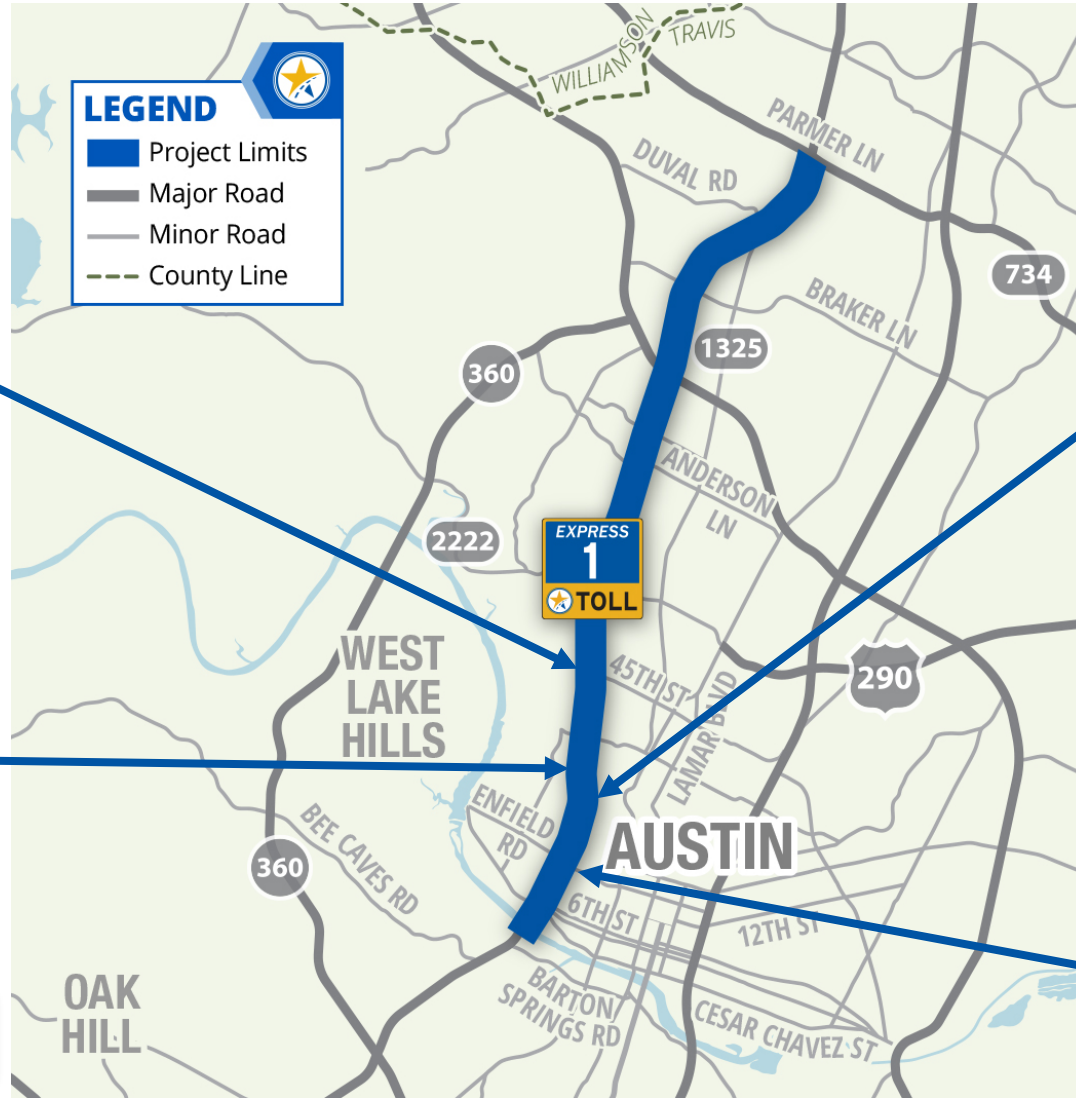
MoPac Aesthetics Updates – Locations



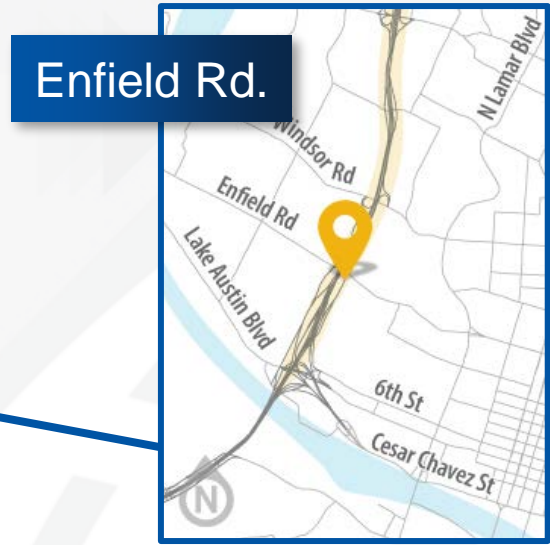
45th St.



Westover Rd.



Windsor Rd.



Enfield Rd.



Landscape improvements and brick paver installations





MoPac Aesthetics Updates – Westover

Landscape improvements, brick paver installation, and sidewalk / crosswalk installation





Landscape improvements, brick paver installation, and sidewalk / crosswalk installation





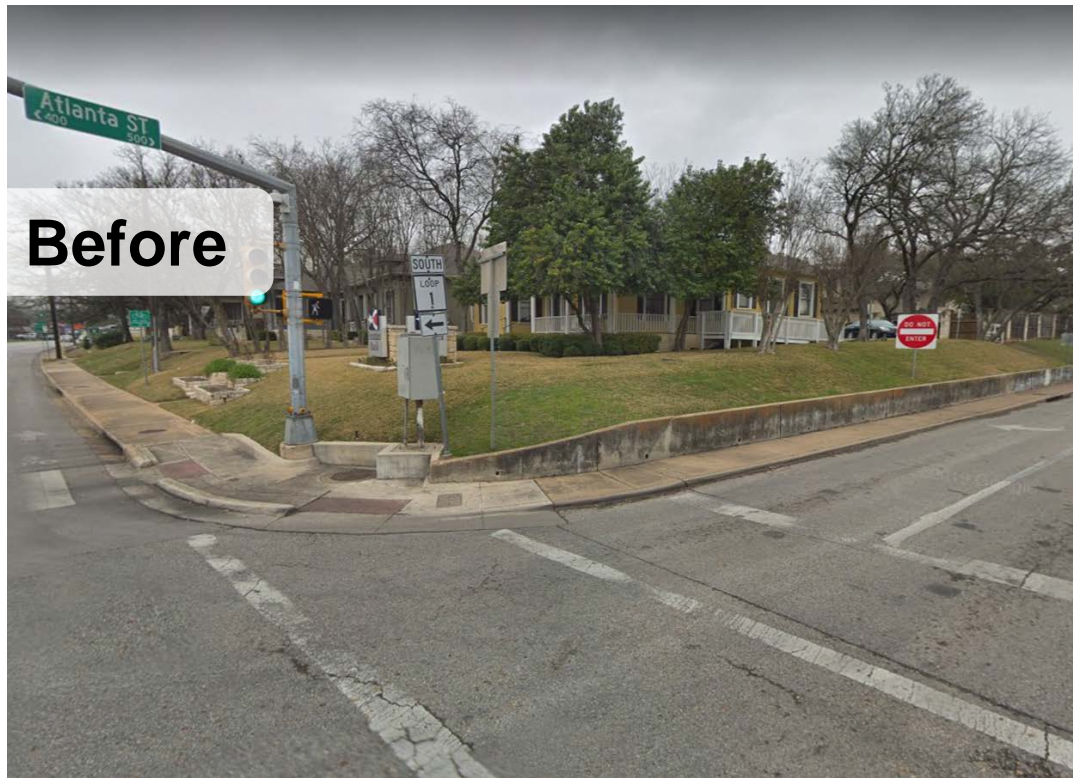
MoPac Aesthetics Updates – Enfield

Landscape improvements, brick paver installation, and sidewalk enhancements





Crosswalk and retaining wall improvements along Atlanta Street at Lake Austin Blvd.





Median and crosswalk improvements at Atlanta Street and Lake Austin Blvd.

Before



After





Typical landscaping at overpasses along West 5th and 6th Streets



Executive Director Report

- A. TxDOT back office transition
- B. Traffic & Revenue overview for the 183 North Mobility Project
- C. Executive Director's Delegated Authority for Procurement of General Goods and Services
- D. Work Authorizations Policy
- E. Weather response and impact to operations

13A

Tracie Brown

Director of Operations

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13B

Bill Chapman

Interim Executive Director/Chief Financial Officer

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13C

Bill Chapman

Interim Executive Director/Chief Financial Officer

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13D

Bill Chapman

Interim Executive Director/Chief Financial Officer

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13E

Bill Chapman

Interim Executive Director/Chief Financial Officer

Executive Session

Please remain seated and quiet while the Executive Session agenda is read into the record.

15. Discuss legal issues related to claims by or against the Mobility Authority; pending or contemplated litigation and any related settlement offers; or other matters as authorized by §551.071 (Consultation with Attorney).
16. 16. Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects, as authorized by §551.071 (Consultation with Attorney).
17. 17. Discuss personnel matters as authorized by §551.074 (Personnel Matters).



#15-17

Bobby Jenkins

Chairman

Adjourn Meeting

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Bobby Jenkins
Chairman

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

February 24, 2020

CONSENT AGENDA BACKUP MATERIALS



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

Prohibit the operation of certain vehicles on Mobility Authority toll facilities pursuant to the Habitual Violator Program

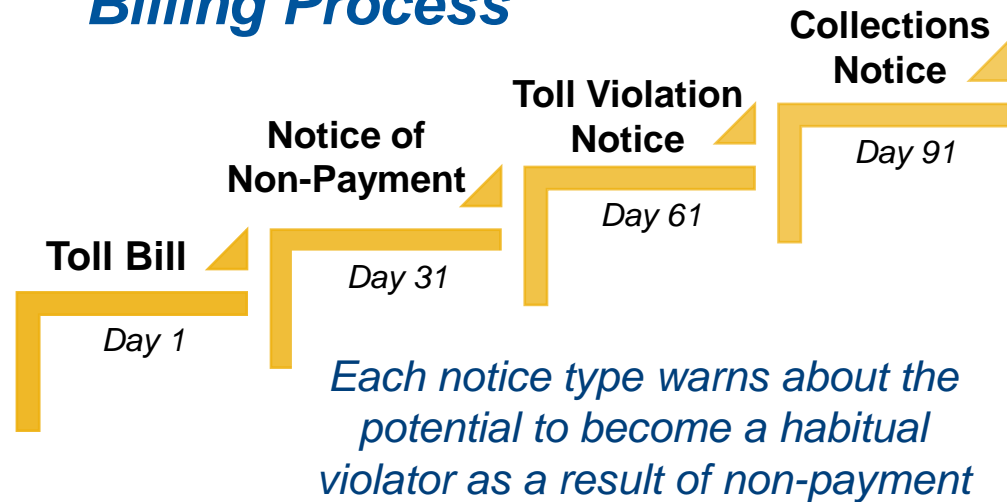
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Tracie Brown

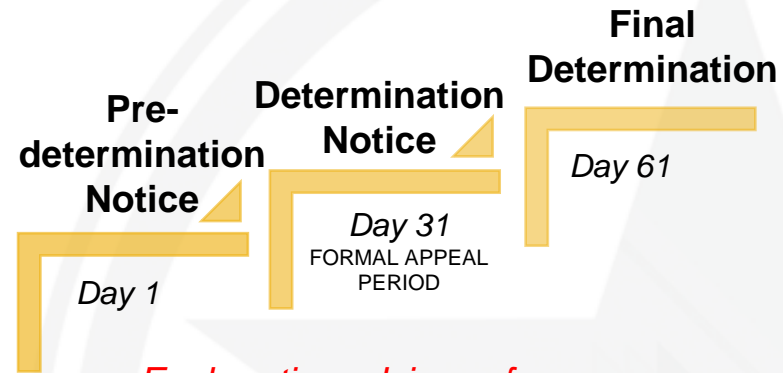
Director of Operations



Pay By Mail Billing Process



Habitual Violator Process



Each notice advises of outstanding balance, penalties for continued non-payment and resolution information

OUTCOMES

1. Vehicle Registration Renewal Block
2. Notice of Vehicle Prohibition
3. On-road Enforcement





» Approval of a *Vehicle Prohibition Order* for the identified habitual violator customers.

- » Number of prohibited vehicles: TBA
- » Total number of unpaid tolls: TBA
 - Median number of outstanding tolls per vehicle: TBA
 - Median unpaid toll balance: TBA
 - Median unpaid admin fee balance: TBA

» Next Steps

- » Customers will receive *Prohibition Order* by mail
- » Customers found to be in violation of prohibition are subject to warning, citation with up to \$500 fine and/or vehicle impoundment

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

February 24, 2021