

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

July 29, 2020

Welcome and opportunity for public comment



1

Bobby Jenkins
Chairman

Consent Agenda

2. Approve the minutes from the June 24, 2020 Regular Board Meeting
3. Prohibit the operation of certain vehicles on Mobility Authority toll facilities pursuant to the Habitual Violator Program

2-3

Bobby Jenkins

Chairman

Accept the unaudited financial statements through June 2020 and consider the monthly budget update

4

Robert D. Goode
Deputy Executive Director

FY 2021 Budget Reporting/ Review Process

Robert D. Goode
Deputy Executive Director



Budget Reports/Financial Statements

Report/Statement	Information Included	Board Action
Financial Statement	<ol style="list-style-type: none">1. Actual Year to Date revenue and expenditures (by line item)2. Balance Sheet3. Statement of Cash Flow4. Investments by Fund5. Escrow Funds6. Project Contingency Funds7. TexSTAR Monthly Newsletter	Accept Financial Statement
Monthly Budget Report	<ol style="list-style-type: none">1. Actual Monthly and Year to Date revenue and expenditures (same info as Financial Statement)2. Actual Monthly and Year to Date Transaction Data3. Comparison of actuals to original budget projections/historical trends4. Comparison of actuals to Quarterly Budget projections	<i>Informational only</i>
Quarterly Budget Report	<ol style="list-style-type: none">1. Actual Year to Date revenue and expenditures2. Update on General Fund Balances and Reserves3. Year end projections of revenues and expenditures4. Discussion on projected Operating Budget significant variances with estimated program/initiative impacts5. Recommended Budget Amendment (potential restoration of program/initiative budget reductions)	Potential Budget Amendment



Reporting/Review Process

Board Mtg	Board Reports	Comments
July 2020	June Financial Statement (end of FY 2020 - unaudited)	
August 2020	July Financial Statement - Monthly Report	
September 2020	August Financial Statement - Monthly Report	
October 2020	September Financial Statement - Monthly Report <u>1st Quarter Budget Report</u>	Potential Budget Amendment
November 2020	October Financial Statement - Monthly Report	
December 2020	November Financial Statement - Monthly Report	
January 2021	December Financial Statement - Monthly Report, <u>2nd Quarter Budget Report</u>	Potential Budget Amendment
February 2021	January Financial Statement - Monthly Report	
March 2021	February Financial Statement - Monthly Report	
April 2021	March Financial Statement - Monthly Report <u>3rd Quarter Budget Report;</u> <i><u>Preliminary FY 2022 Draft Budget</u></i>	Potential Budget Amendment
May 2021	April Financial Statement - Monthly Report <i><u>Updated FY 2022 Draft Budget</u></i>	
June 2021	May Financial Statement - Monthly Report <i><u>Final FY 2022 Recommended Budget</u></i>	Adopt FY 2022 Operating Budget

Accept the unaudited financial statements through June 2020 and consider the monthly budget update

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William Chapman - Chief Financial Officer
Mary Temple - Controller

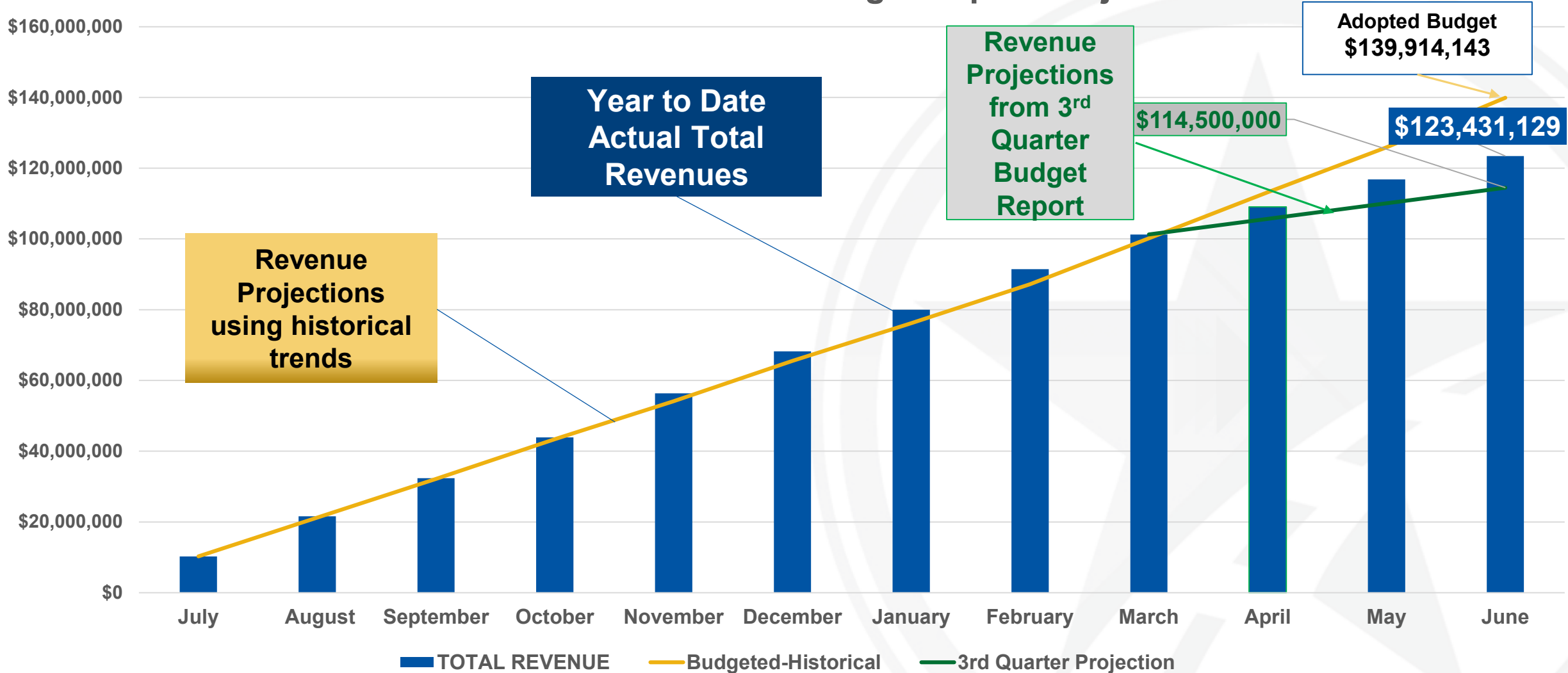


**Most recent figures
presented at
Board Meeting**



Actual vs Budgeted Revenue

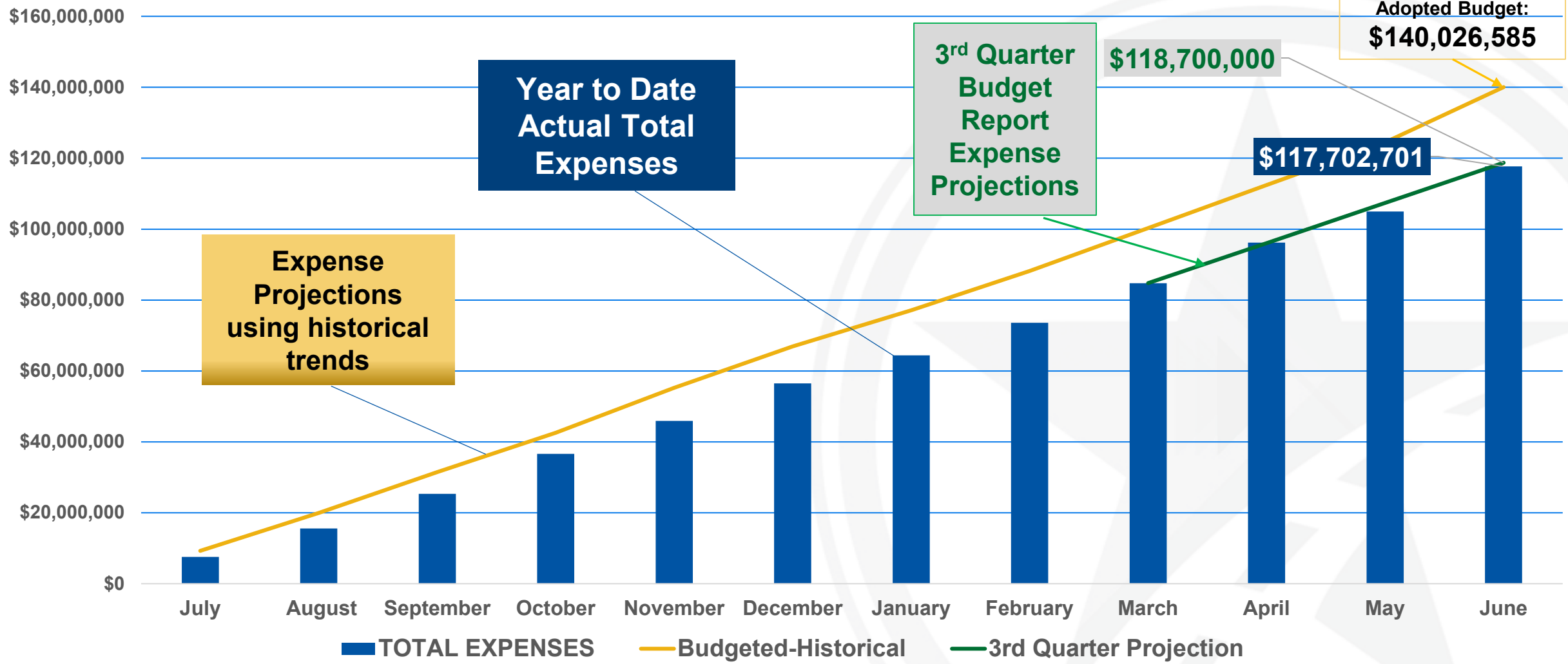
Actual vs Historical and 3rd Quarter Budget Report Projected Revenue





Actual vs Budgeted Expenses

Actual vs Historical and 3rd Quarter Budget Report Projected Expenses



Discuss and consider repealing Resolution No. 20-018 dated March 25, 2020, and authorizing the issuance, sale, and delivery of Central Texas Regional Mobility Authority Senior Lien Revenue Refunding Bonds and Subordinate Lien Revenue Refunding Bonds in accordance with specified parameters

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William Chapman
Chief Financial Officer

**Discuss and consider approving
a contract with Waycare
Technologies Inc. for an
Advanced Transportation
Reporting and Incident
Management/Prediction System**

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Jeff Dailey, P.E.

Deputy Executive Director



Program Goals



- » **Reduce** the time it takes to identify incidents and dispatch emergency services
- » **Enhance distribution of information** about traffic incidents, potential congestion points and overall traffic conditions to various constituents including emergency services
- » **Support regional collaboration** and integration of traffic management operations
- » **Test** cutting edge technology for real-time monitoring of actual vehicle/roadway performance measures
- » **Test** Artificial Intelligence to predict/detect incidents and identify areas where roadway safety enhancements may be warranted
- » **Pursue infrastructure and operations efficiencies** such as reduced use of digital message boards



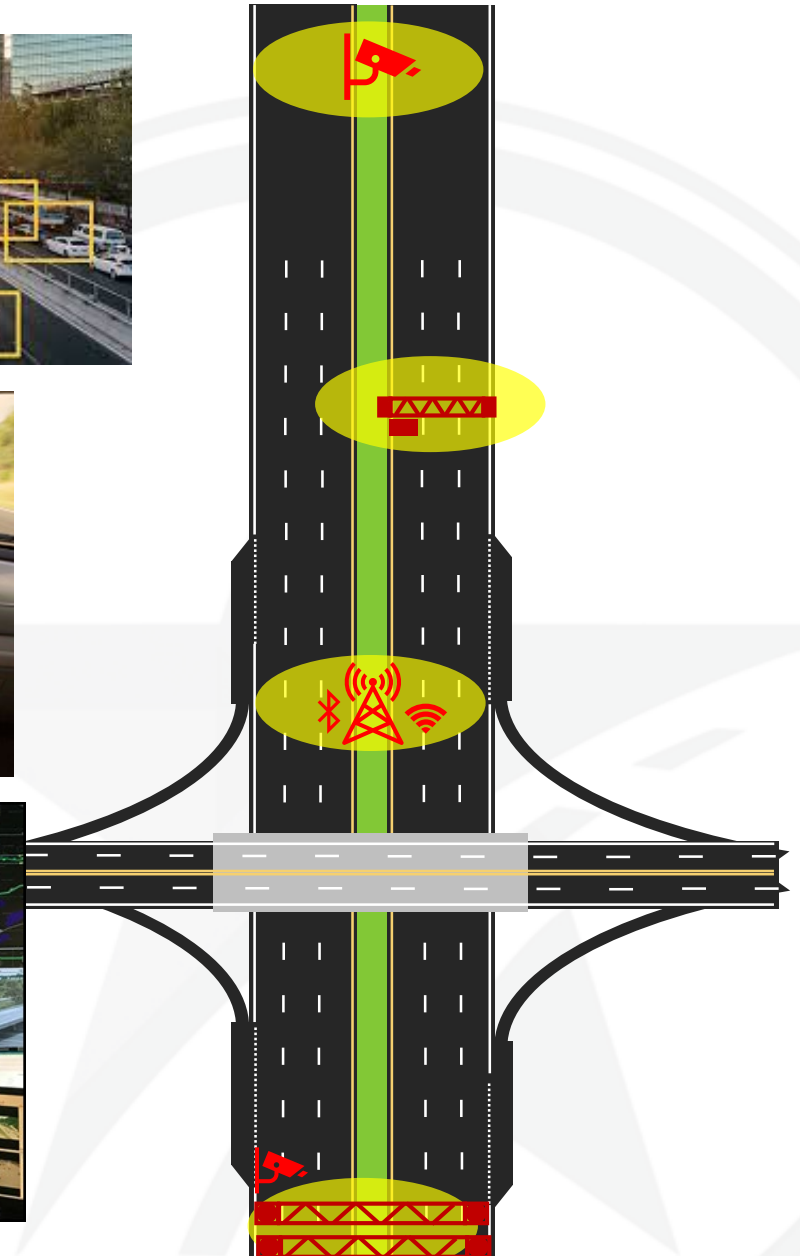
Key Elements of Roadway Technology Plan

» Lonestar Advanced Traffic Management System (ATMS)

- » **Advanced Transportation Reporting and Incident Management/Prediction System**
- » Video-Based Incident Detection System (TrafficVision)

» Roadway Sensors

- » **Vehicles**
- » Video Cameras
- » Bluetooth (BlueToad)
- » Microwave (Wavetronics)
- » Toll System





Overview

Randomized data collected and aggregated:



Advanced Transportation Reporting and Incident Management/Prediction System collects data and uses artificial intelligence and algorithms to:

- Predict areas prone to congestion
- Identify locations where accidents are likely
- Identify actual incidents/accidents
- Alert traffic management team
- Alert emergency responders



Roadway sensors transmit information about:

- Travel Speeds
- Potential Incidents



Vehicles & smartphone apps transmit information about:

- Average Speed
- Harsh Braking
- Harsh Acceleration
- Excess Steering
- Potential Incidents



Notify Public



Procurement Process





Scoring Criteria

Response Element	Weighting
Litigation and complaint	Pass / Fail
Conflict of interests and ethics	Pass / Fail
Qualifications, experience of the firm, financial statements	40%
Technical approach and proposed staff capability	40%
Cost and methodology	20%
Total	100%



» **Waycare was founded in 2016 with the vision of reducing preventable deaths due to traffic crashes**

» Israeli company with US headquarters in Los Angeles

» 30 employees

» Primary clients are:

- City of Las Vegas
- City of Tampa
- Central Ohio Transit (Columbus)
- Missouri Department of Transportation

» **Partnered with Siemens Intelligent Traffic Systems based in Austin**





Waycare Pricing Proposal

Fiscal Year	Period	Amount
2021	August 3, 2020 to June 30, 2021	\$150,000
2022	July 1, 2021 to June 30, 2022	\$225,000
2023	July 1, 2022 to June 30, 2023	\$225,000
Total		\$600,000



- » **Staff recommends award of the Advanced Transportation Reporting and Incident Management/Prediction System contract to Waycare Technologies, Inc. and requests approval for the Executive Director to execute a contract for an amount not to exceed \$600,000**

Discuss and consider awarding a contract for general systems consultant services

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Tracie Brown
Director of Operations



» **General Systems Consultant (GSC) Services**

- » Provide the Mobility Authority with independent and objective advice and assistance to ensure its electronic toll collection and video tolling systems are functioning at optimal levels and perform other related tasks

» **Procurement Type**

- » Consulting services
- » Selection based on demonstrated competence, knowledge and qualifications

» **Term**

- » Initial 5-year term
- » One optional 2-year renewal

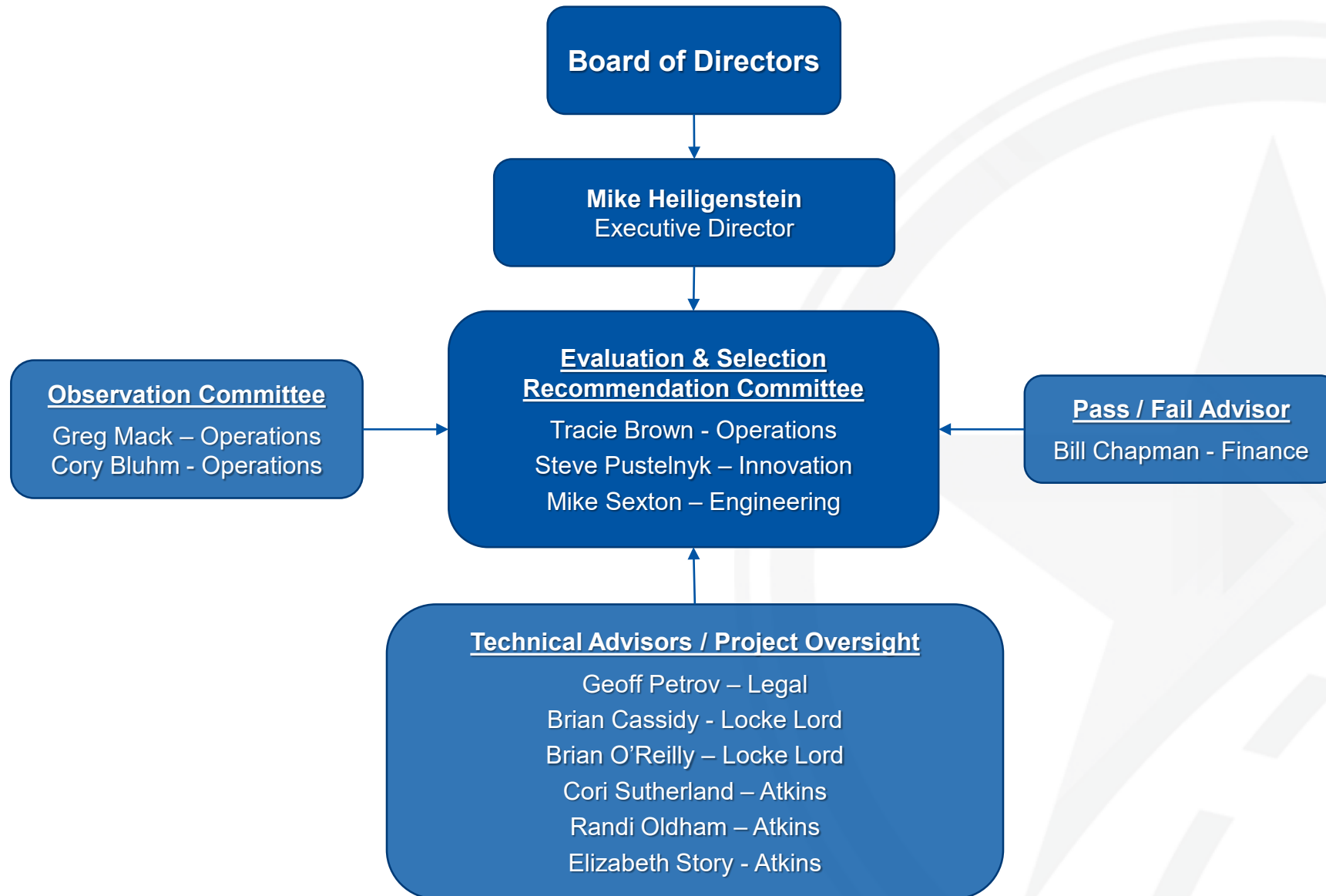


Electronic Toll Collection System	Technical Project Support	ITS Support
TSI contractor oversight	PBM project support	ITS contractor oversight
System implementation support	Regional and national interoperability support	Contract deliverable review
Contract deliverable review	IT requirement development and project management	ITS design reviews
ETCS design reviews	Pilot project support	Progress reporting
Progress reporting	Feasibility study, industry reviews and surveys	Periodic system accuracy testing
System accuracy testing	Best practice research and white paper development	Claim / change order review
Claim / change order review	Cost/benefit analysis	Monthly maintenance reviews
Monthly maintenance reviews	RFQ / RFP / RFI development	Other ITS support
	Operations and IT staff augmentation	
	Other related technical services	

Note: Scope includes but is not limited to the items listed.



Proposal Evaluation Organizational Chart





Procurement Timeline





Athenian Consulting Group, LLC

Fagan Consulting, LLC

Milligan Partners

RS&H



RFQ Scoring Elements

Response Element	Max Score
Team organization and staff qualifications, including process for enhancing HUB / DBE participation	40
Proven experience of Respondent to successfully complete the tasks outlined in the scope of services	50
Quality of Statement of Qualifications Submittal	10
Acceptable financial condition	Pass/Fail
TOTAL	100



Scoring Matrix Summary

Proposer	Ranking
Athenian Consulting Group	<i>To be announced at board meeting</i>
Fagan Consulting	
Milligan Partners	
RS&H	



To be announced at Board Meeting



To be provided at Board Meeting



- » **Staff recommends award of the general systems Consultant contract to (to be announced at Board Meeting).**
- » **Next steps:**
 - » Finalize contract (*August 2020*)
 - » Board consideration and approval of contract (*August 26, 2020*)
 - » Notice to Proceed (*September 2020*)
 - » Contract transition (*September 1- 30, 2020*)

Quarterly Project Updates

A. Projects under construction

a. Bergstrom Expressway (183 South) Project

b. Manor Expressway (290 East) Phase 3 Project



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Justin Word, P.E.

Director of Engineering



» **Current Project Status**

- » Overall project is 95% complete

» **Projected Project Completion**

- » Latest CRC schedule indicates January 2021 completion

» **Schedule Drivers**

- » Boggy Creek Bridges, SH 71 Direct Connector, SH 71 Westbound bridges; Carson Creek bridges



Construction Activities: Techni Center Drive



April 2020



June 2020



Construction Activities: Bolm Road



April 2020



June 2020



Construction Activities: Colorado River



April 2020



June 2020



Construction Activities: Thompson Lane



April 2020



June 2020



Construction Activities: SH 71 Interchange



April 2020



June 2020

Quarterly Project Updates

A. Projects Under Construction

- a. Bergstrom Expressway (183 South) Project
- b. Manor Expressway (290 East) Phase 3 Project

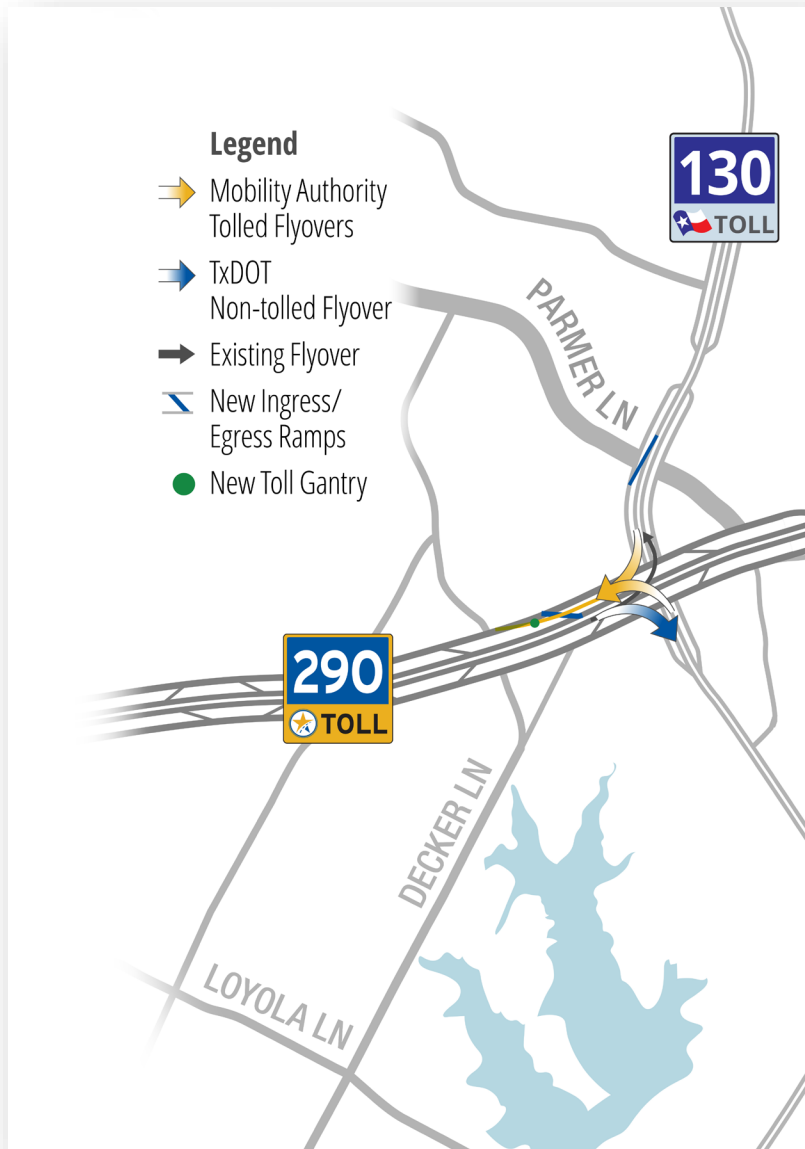


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Justin Word, P.E.
Director of Engineering



290 Flyovers Project



- » **Project Description:** Three flyovers constructed between 290 Toll and SH 130:
 - » Two tolled: northbound and southbound SH 130 to westbound 290 Toll
 - » One non-tolled: eastbound 290 Toll to southbound SH 130
- » **Limits:** Intersection of US 290 and SH 130
- » **Total Project Cost:** \$127 Million
- » **Project Status:** Construction began with limited Notice to Proceed (NTP) in November 2018 with full NTP issued March 2019



Accomplishments

- ✓ Full Contractor Notice to Proceed issued March 4, 2019
- ✓ S/W Direct Connector opened to traffic January 12, 2020 (*8 months early*)
- ✓ Tolling began on S/W Direct Connector on February 1, 2020
- ✓ N/W Direct Connector opened to traffic and tolling on July 11, 2020 (*11 months early*)

Next Steps

- ☐ Complete full project including E/S Direct Connector (*June 2021 Substantial Completion Deadline*)



Construction Activity: 290E – West of SH 130



December 2018

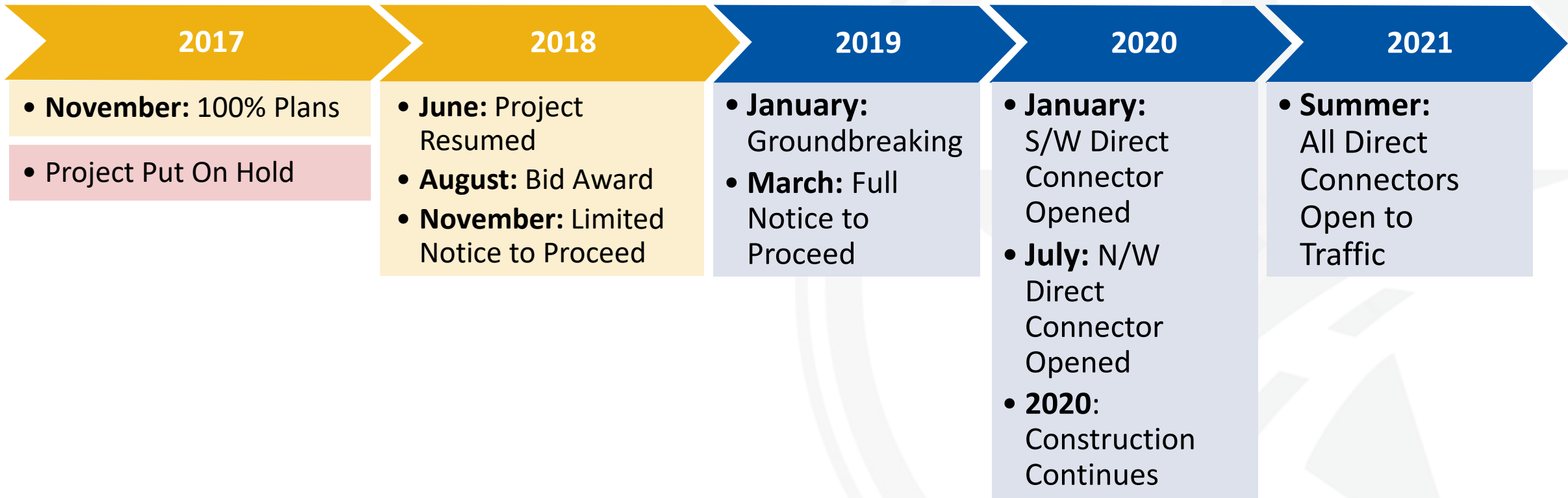


June 2020



290/130 Flyovers Project Timeline

■ Procurement & Contractor Selection ■ Construction



Quarterly Project Updates

B. Projects under development

a. 183 North Mobility Project

b. 183A Phase 3 Project

c. MoPac South Project

d. Manor Expressway (290 East) Phase 4 Project



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Mike Heiligenstein

Executive Director



183 North Mobility Project

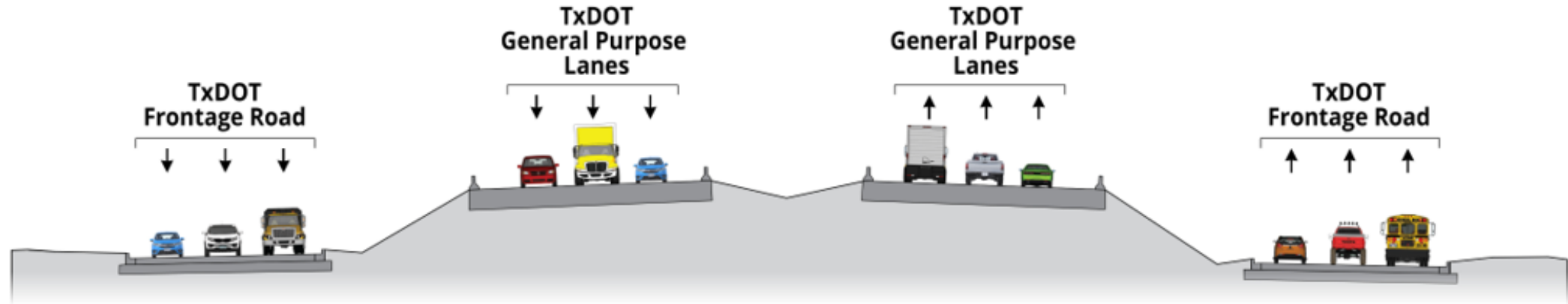


- » **Project Limits:**
 - » SH 45 to MoPac/Loop 1
- » **Project Length:**
 - » 9 miles on US 183
- » **Total Project Cost:**
 - » \$580 Million
- » **Project Status:**
 - » Design-Build Procurement



183 North Mobility Project Scope

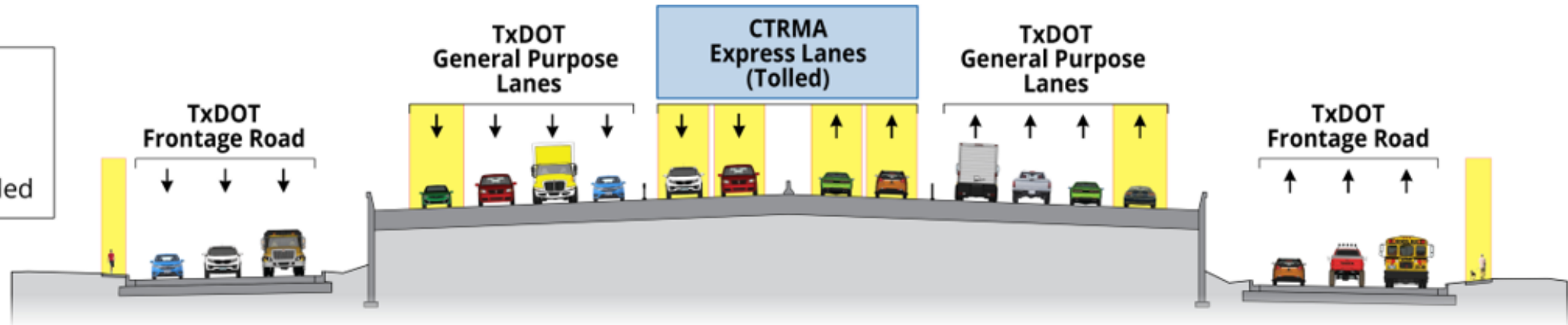
Existing



Legend

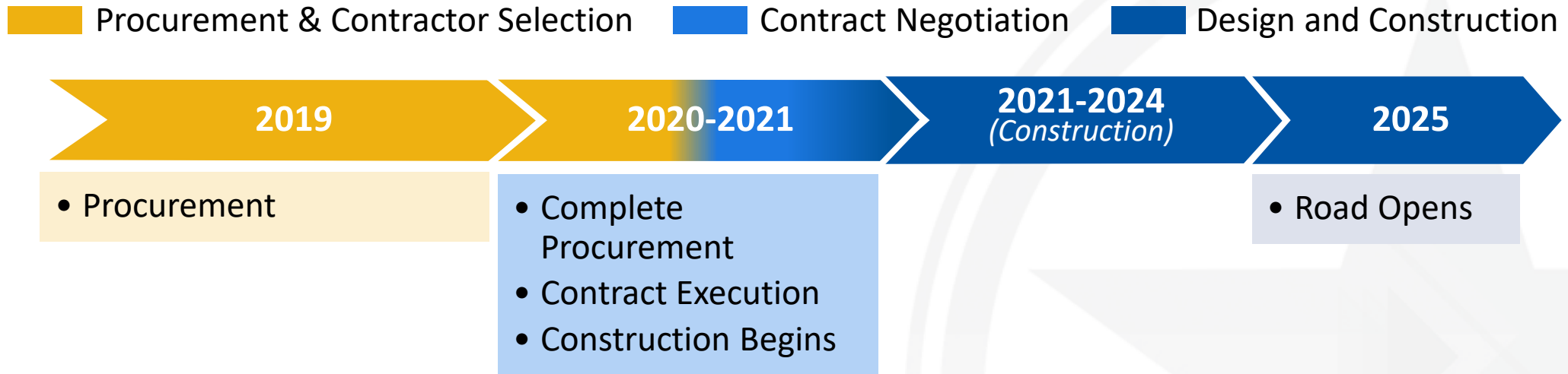
- ↑ Northbound Lane
- ↓ Southbound Lane
- ↑ Lane/Sidewalk Added

Proposed





183 North Mobility Project Timeline





183 North Mobility Project Milestones

Accomplishments

- Issued Final Request for Detailed Proposals
- Evaluated Alternative Technical Concepts
- Held One-on-One Meetings with Proposers
- Completed Project Development Agreement with TxDOT
- Approved Reevaluation for Deferred Work
- Approved Initial Financial Plan
- Approved Project Management Plan

Next Steps

- Receive Final Detailed Proposals (August 18th)
- Proposal Evaluation
- Select Apparent Best Value Proposer**
- Investment Grade T&R
- Negotiate and execute contract
- Bond Sale
- Notice to Proceed #1

Quarterly Project Updates

B. Projects under development

- a. 183 North Mobility Project
- b. 183A Phase 3 Project
- c. MoPac South Project
- d. Manor Expressway (290 East) Phase 4 Project



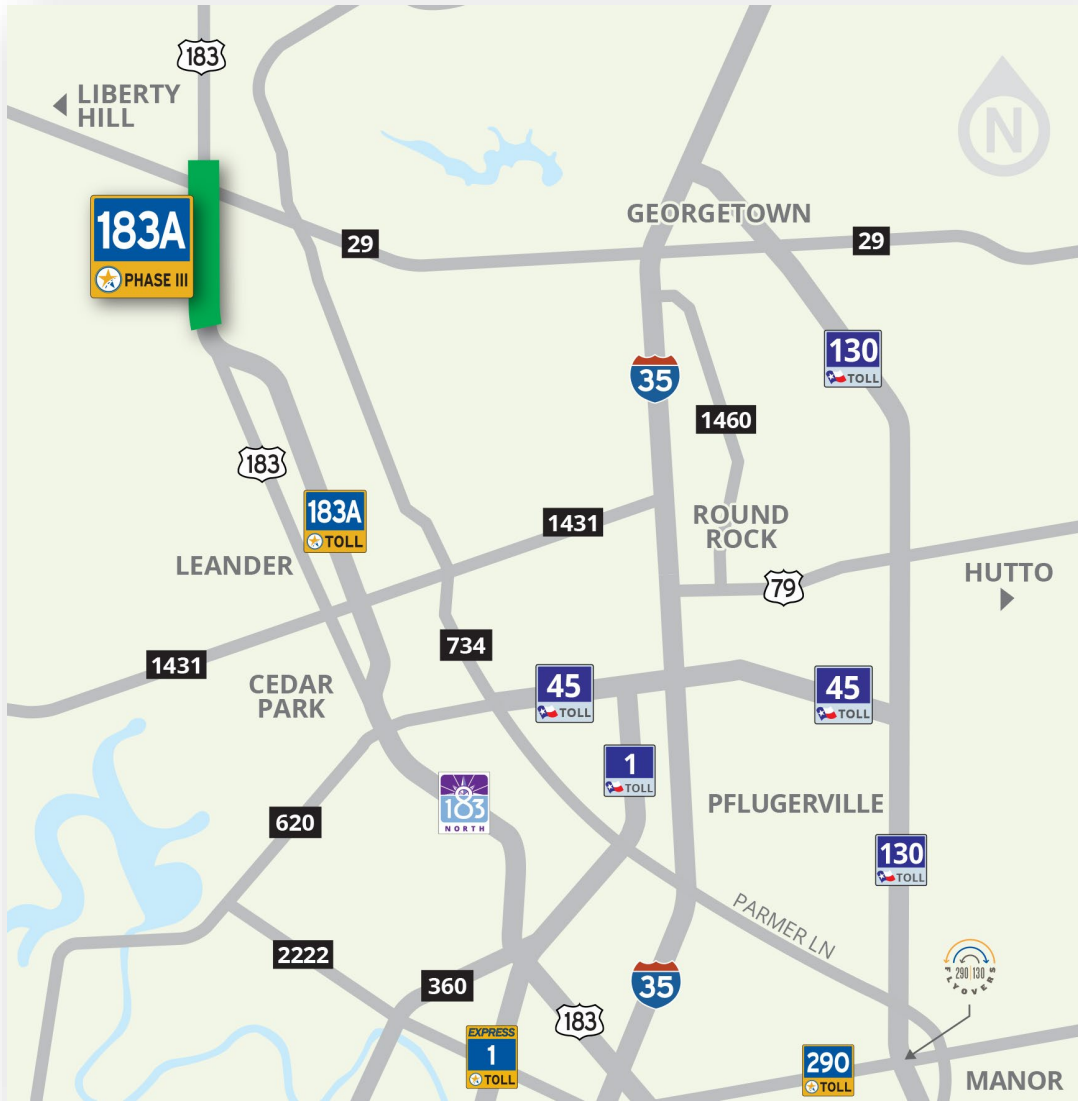
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Mike Heiligenstein

Executive Director

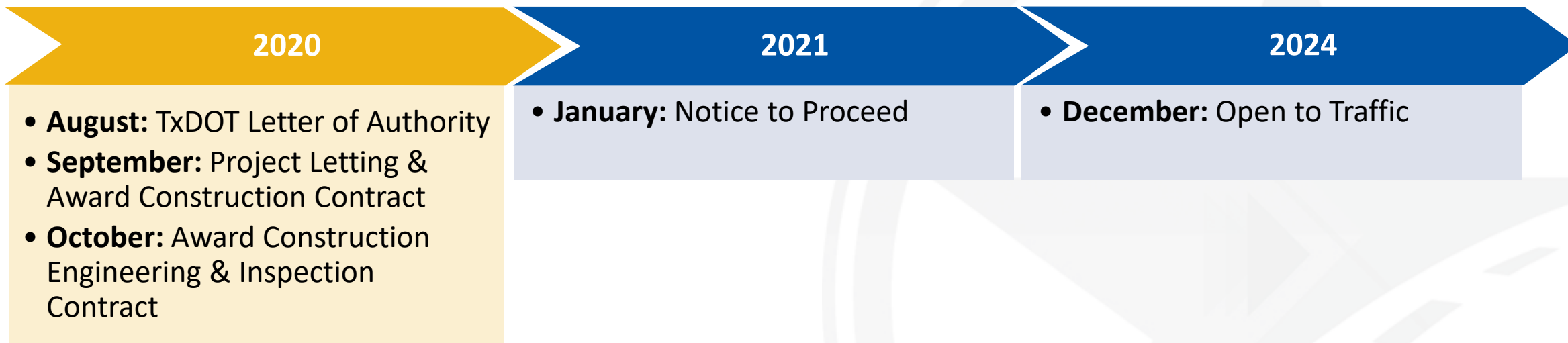


183A Extension - Phase III



- » **Project Scope:**
 - » Two new tolled lanes in each direction
- » **Project Limits:**
 - » Hero Way to north of SH 29
- » **Total Project Cost:**
 - » \$277 million
- » **Current Project Phase:**
 - » Final Design / Contractor Procurement
- » **Next Steps:**
 - » Receive TxDOT Letter of Authority
 - » Advertise for Letting – August 2020
 - » Receive Bids – September 17, 2020

■ Procurement & Contractor Selection ■ Construction



Quarterly Project Updates

B. Projects under development

- a. 183 North Mobility Project
- b. 183A Phase 3 Project
- c. MoPac South Project
- d. Manor Expressway (290 East) Phase 4 Project



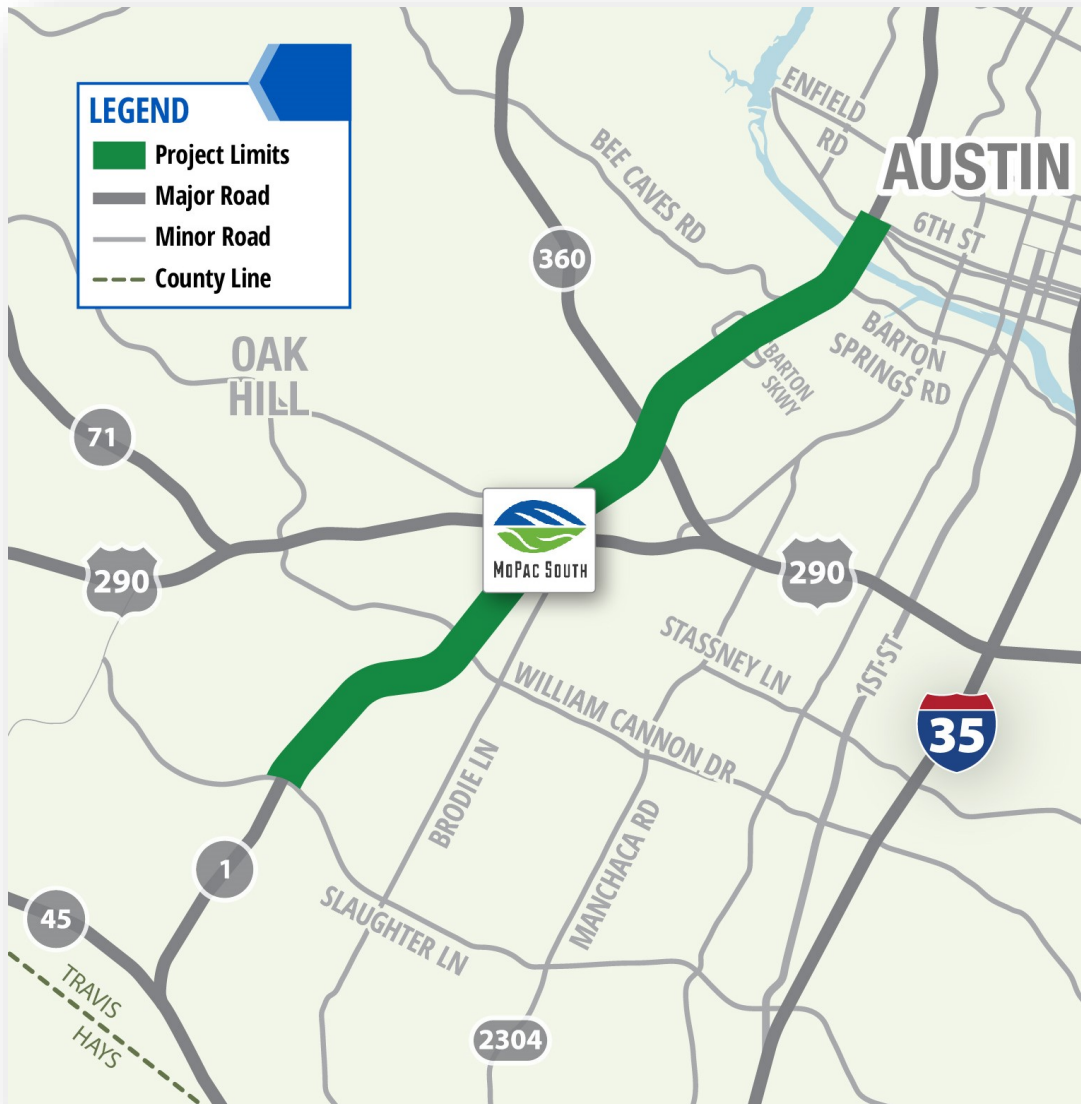
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Mike Heiligenstein

Executive Director



MoPac South Project



» Project Scope:

- » Environmental Assessment with 1-2 managed lanes each direction as recommended build alternative as of February 2015

» Project Limits:

- » Cesar Chavez St to Slaughter Ln (8 miles)

» Total Project Cost:

- » Update in progress

» Current Project Stage:

- » Environmental Assessment

» Next Steps:

- » Begin 2045 traffic demand forecasting
- » Continue technical reports and agency coordination

Quarterly Project Updates

B. Projects under development

- a. 183 North Mobility Project
- b. 183A Phase 3 Project
- c. MoPac South Project
- d. Manor Expressway (290 East) Phase 4 Project



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Mike Heiligenstein

Executive Director



290E Extension - Phase IV



» Project Scope:

- » Feasibility Study of extending 290E Toll eastward to Manor and Elgin

» Project Limits:

- » SH 130 to SH 95 in Elgin

» Total Project Cost:

- » TBD

» Current Project Phase:

- » Feasibility Study development

» Next Steps:

- » Continued quarterly strategy sessions with local authorities
- » Develop cost estimates and Traffic & Revenue projections
- » Complete financial analysis and report

Executive Director Report

- A. Effect of COVID-19 on agency operations
- B. Open procurements



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Mike Heiligenstein
Executive Director

Executive Session

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

10. Discuss the acquisition of one or more parcels or interests in real property needed for the 183A Phase III Project and related issues, pursuant to §551.072 (Deliberation Regarding Real Property) and §551.071 (Consultation with Attorney).
11. 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).
12. Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects, as authorized by §551.071 (Consultation with Attorney).
13. Discuss personnel matters as authorized by §551.074 (Personnel Matters)



10-13

Bobby Jenkins

Chairman

Approve the purchase of the following described real property for the 183A Phase III Project:

- A. Parcel 1, a 14.824-acre tract of land owned by Kang Lee, Casper Yen, Yuh-Jaan Wey & Zennie Lien-Fang Wey; and located at Highway 183/CR 258, Liberty Hill, Williamson County, Texas
- B. Parcel 4, a 0.1638-acre tract of land owned Leander Developers 4 LTD, a Texas limited liability company; and located at 450 N Highway 183, Liberty Hill, Williamson County, Texas



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Geoff Petrov

General Counsel

Adjourn Meeting

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Bobby Jenkins
Chairman

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

June 24, 2020

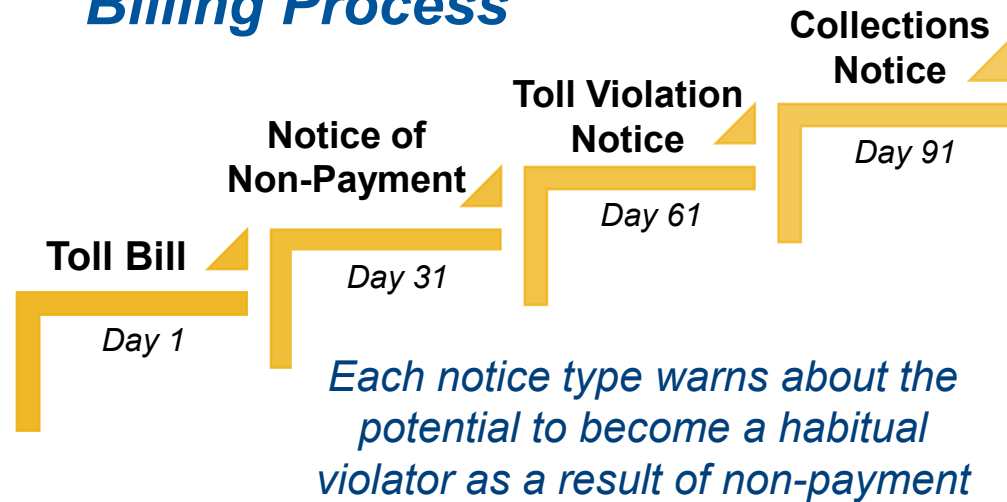
CONSENT AGENDA BACKUP MATERIALS



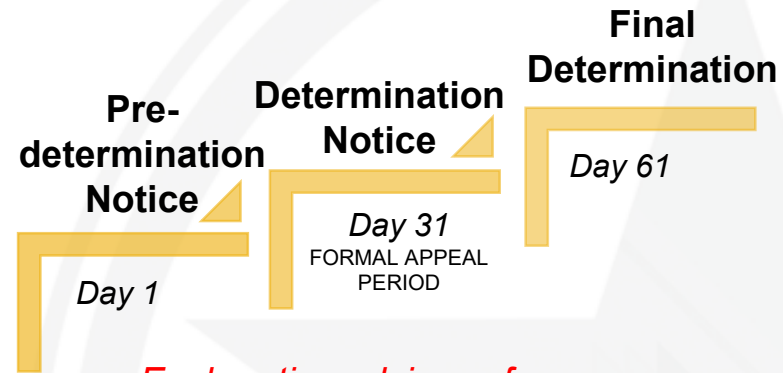
CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY



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: TBD
- » Total number of unpaid tolls: TBD
 - Median number of outstanding tolls per vehicle: TBD
 - Median unpaid toll balance: TBD
 - Median unpaid admin fee balance: TBD

» 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

July 29, 2020