

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

August 25, 2021

Welcome and opportunity for public comment



1

Bobby Jenkins
Chairman

Consent Agenda

2. Approve the minutes from the June 30, 2021 Regular Board Meeting
3. Approve the purchase of Google Looker and Apigee software subscriptions from Carahsoft Technology Corporation for the Data Platform Project
4. Prohibit the operation of certain vehicles on Mobility Authority toll facilities pursuant to the Habitual Violator Program

Bobby Jenkins
Chairman

2-4

Regular Items



5-13

Bobby Jenkins
Chairman

Accept the unaudited financial statements for June 2021



5

Mary Temple - Controller

Accept the financial statements for July 2021



6

Mary Temple - Controller



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

Discuss and consider authorizing the execution and delivery of a TIFIA Loan Agreement with the United States Department of Transportation relating to the 183 North Mobility Project in accordance with specified parameters

7

William Chapman
Chief Financial Officer

**Discuss and consider adopting
a resolution authorizing the
redemption of the Mobility
Authority's Subordinate Lien
Revenue Bond Anticipation
Notes, Series 2018**

8

William Chapman
Chief Financial Officer

Discuss and consider approving a contract with The Goodman Corporation for feasibility analyses, funding consultation, and grant assistance for Park and Ride facility development



9

Steve Pustelnyk
Director of Community Relations



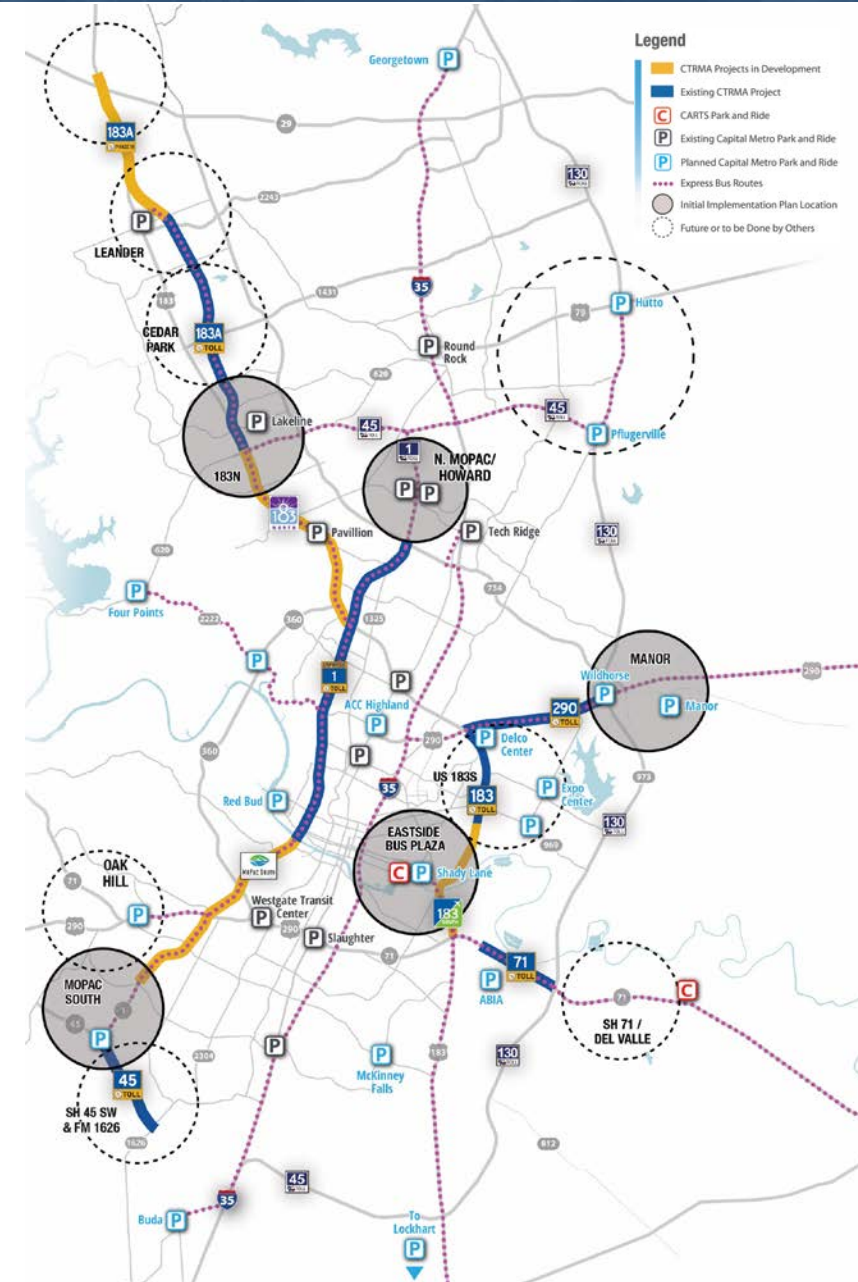
Park and Ride Overview

» Background

- » Memorandum of Agreement for regional park and ride development with Capital Metro and CAMPO approved by Board in 2016
- » Met with community officials to identify priority areas
- » Developed list of short- and long-term areas for consideration near Mobility Authority corridors
- » Conducted preliminary analysis of potential sites

» Current Priority Locations

- » Howard Station/Expansion
- » MoPac South
- » Manor
- » Lakeline Station/Expansion





- » **Passage of Project Connect has reinforced the community's commitment to transit**
 - » Several Metro Express routes on Mobility Authority facilities were included in Project Connect
 - » Existing park and ride facilities will need to be expanded and new facilities constructed to complete the vision of Project Connect
 - » There has been a significant increase in Metro Express ridership on the MoPac Express Lane routes
- » **The federal government is contemplating a major boost to infrastructure funding**
 - » The Mobility Authority could be positioned to help compete for federal funds that may permit expedited construction of park and ride facilities adjacent to agency toll roads
- » **Board approved \$150,000 for Park and Ride development in FY 2022**



- » **Procure an engineering firm to provide Park and Ride Facility Development Services**
 - » Request for Proposals (RFQ) issued on May 24, 2021
 - » One Statement of Qualifications (SOQ) received by June 11 deadline
 - » Due diligence conducted to ensure the process was reasonable
 - » Selection Committee reviewed and scored SOQ submitted by The Goodman Corporation
 - » Selection Committee conducted interview with The Goodman Corporation and finalized scores
 - » The Goodman Corporation was determined to be qualified to perform the services requested



- » **Goodman Corporation will support process needed to prepare Grant Readiness Package for one park and ride site in FY 2022**
 - » Site development agreement
 - » Site planning
 - » Demand analysis
 - » Traffic study
 - » Environmental documentation
 - » Cost estimates
 - » Cost benefit analysis
 - » Site schematics and renderings



- » **Staff recommends the Board approve a contract a with The Goodman Corporation for feasibility analyses, funding consultation, and grant assistance for Park and Ride facility development**

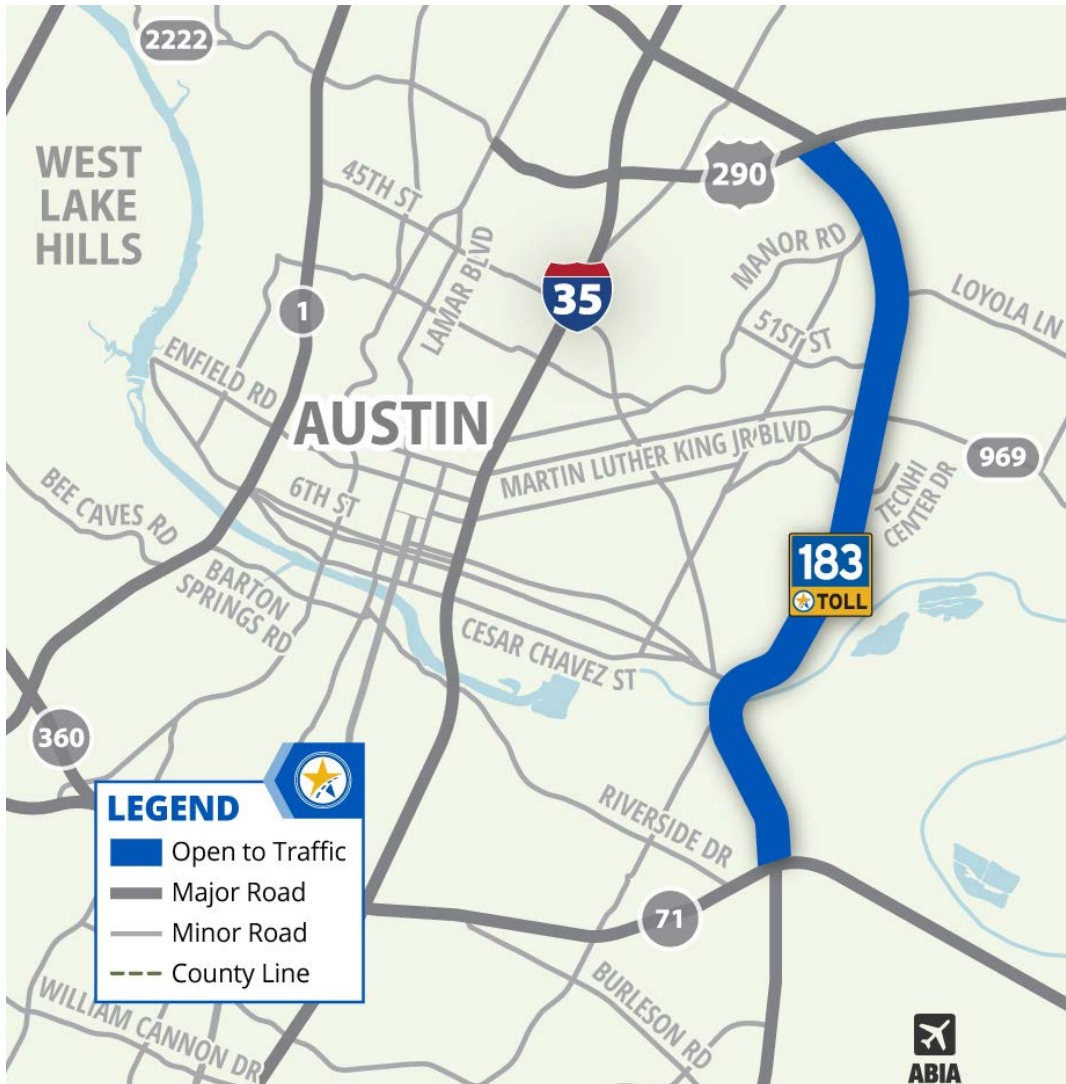
Discuss and consider approving Amendment No. 3 to the contract with RS&H, Inc. for construction inspection services for the 183 South Project

10

Mike Sexton, P.E.
Acting Director of Engineering



183S Project Oversight



- » **Project Description:** Three tolled lanes in each direction and two to three continuous, non-tolled general-purpose lanes in each direction
- » **Limits:** US 290 southernly to SH 71
- » **Total Project Cost:** \$743M
- » **Construction Cost:** \$582M
- » **Construction Oversight:** \$70M
- » **Open to Tolling:** August 2019 thru March 2021



Oversight Budget

Oversight Contracts	Firm	Current Contract (WA)	To Date	To Complete	Est. at completion	Difference
GEC	Atkins ¹	\$ 39,968,000.00	\$ 38,424,892.54	\$ 1,793,107.46	\$ 40,218,000.00	\$ (250,000.00)
Inspection	RS&H ²	\$ 21,599,961.49	\$ 21,449,124.03	\$ 670,837.46	\$ 22,119,961.49	\$ (520,000.00)
Material Testing	REL	\$ 5,000,000.00	\$ 4,615,756.50	\$184,000.00	\$ 4,799,756.50	\$ 200,243.50
Survey QA	McGray	\$ 1,299,998.00	\$ 1,147,765.16	\$ 50,000.00	\$ 1,197,765.16	\$ 102,232.84
PI	Group Solutions	\$ 2,999,680.00	\$ 1,780,847.69	-	\$1,780,847.69	\$ 1,218,832.31
Subtotals		\$ 70,867,639.49	\$ 67,418,385.92	\$ 2,697,944.92	\$70,116,330.84	\$ 751,308.65

1 Although being presented in conjunction with this item, Board action on the Atkins work authorization will be considered separately under item 11.

2 Board action on RS&H's contract will be considered under this item.



RS&H

Construction Inspection

- » Procured through a qualifications-based selection conducted in 2015
- » Notice to Proceed December 28, 2015
- » Original schedule through November 2019
- » Addendum in March 2020 to extend through March 2021
- » Current action extends services through December 2021

ATKINS

General Engineering Consulting

- » Procured through a qualifications-based selection conducted in 2009 and again in 2017
- » Notice to Proceed for 183S oversight August 2015
- » Original schedule through January 2020
- » Current action extends services through December 2021



Recommendation

- » Staff recommends approval of this item, proposed Amendment No. 3 to the original contract, which will provide an additional not to exceed fee of \$520,000 to extend construction inspection services on the 183 South Project through the scheduled completion of the Project in December 2021.

Discuss and consider approving Supplemental Work Authorization No. 6 to Work Authorization No. 2 with Atkins North America, Inc. for general engineering services for the 183 South Project

11

Mike Sexton, P.E.
Acting Director of Engineering



- » Staff recommends approval of this item, proposed Supplemental Work Authorization No. 6 to Work Authorization No. 2, which will provide an additional fee of \$250,000 to extend project oversight services on the 183 South project through the scheduled completion of the project in December 2021.

Discuss and consider approving a memorandum of agreement with the Texas Department of Transportation, the State of Texas Historic Preservation Officer, and the City of Austin regarding the MoPac Improvement Project for the planting of trees and other improvements at Austin Memorial Park Cemetery

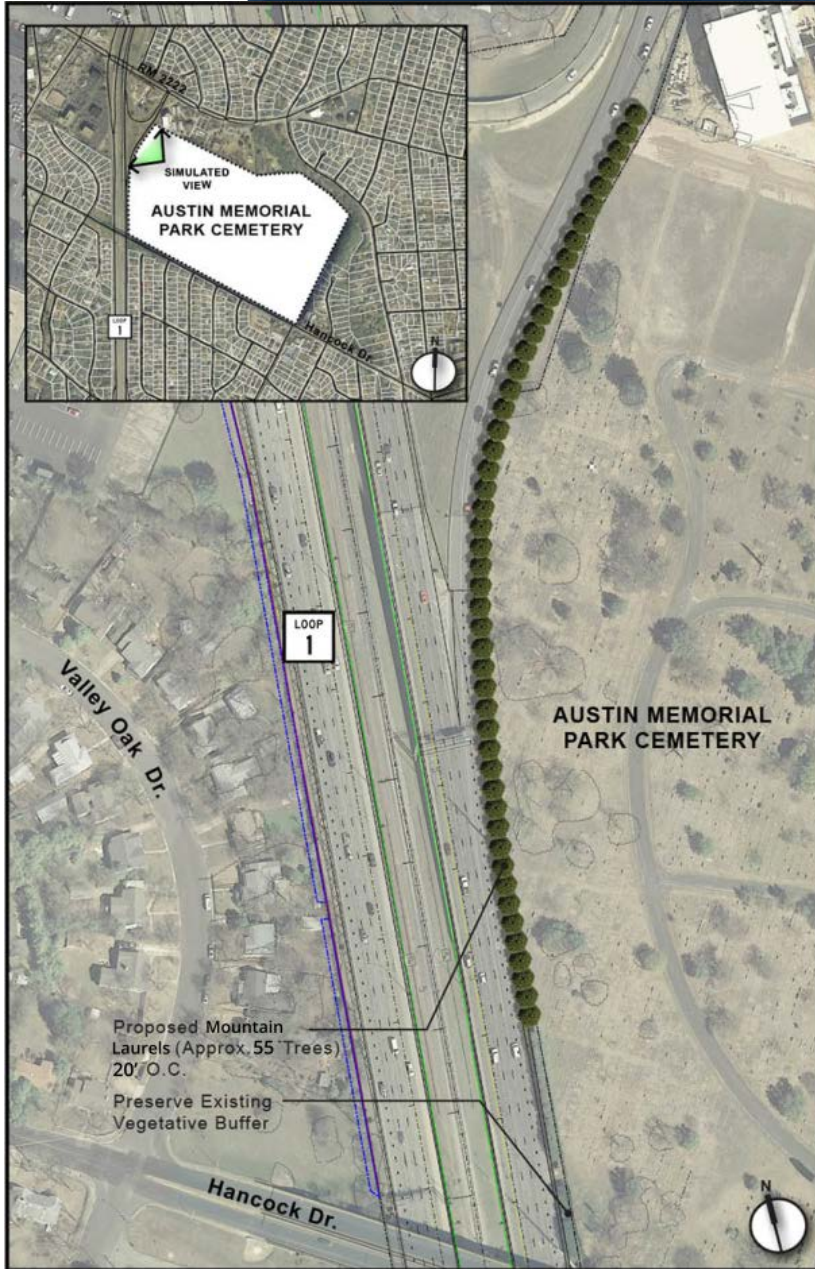
12

Mike Sexton, P.E.

Acting Director of Engineering



Planting at Austin Memorial Park Cemetery





Recommendation

- » Staff recommends authorizing the Executive Director to execute a memorandum of agreement among the Texas Department of Transportation, the Central Texas Regional Mobility Authority, the State of Texas Historic Preservation Officer, and the City of Austin regarding the Loop 1 (MoPac) Improvement Project related to the planting of trees and other improvements at Austin Memorial Park Cemetery.

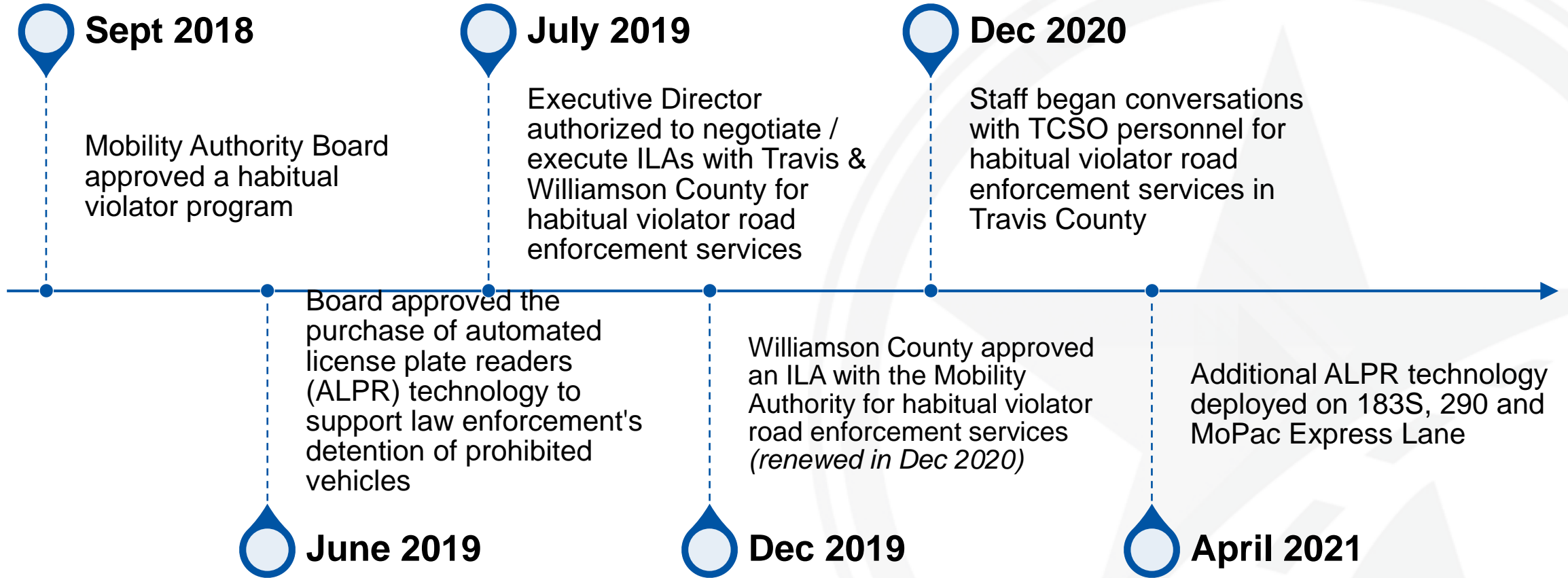
Discuss and consider (a) amending the Policy Code to exempt agreements for road enforcement services from competitive bidding or competitive proposal requirements and (b) authorizing agreements with the Travis County Sheriff's Office for habitual violator road enforcement services

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Tracie Brown
Director of Operations



Action Background





» 401.0061 Discretionary Exemptions

~~A contract to purchase general goods or services that may be exempted under Section 262.024, Local Government Code, from competitive bidding or competitive proposal requirements otherwise made applicable to a county by the County Purchasing Act may be exempted from competitive bidding or competitive proposal requirements established by Article 3 of this chapter if the board exempts the contract by motion or resolution.~~

Procurement of the following items, services or leases may be exempted from competitive bidding or competitive proposal requirements established in Chapter 4 if the board approves the exemption by motion or resolution:

- a) Items, services or leases that may be exempted from competitive bidding or competitive proposal requirements under Section 262.024, Local Government Code; and
- b) Law enforcement services.**



- » The Mobility Authority will contract for prohibited vehicle enforcement services via the Travis County Sheriff's Office's (TCSO) *Secondary Employment Application*
- » The term of the proposed contract shall terminate on January 1st; execution of a new agreement is required by TCSO for continued services
- » The agreement may be terminated with 24 hour notice to TCSO
- » Hourly Rates - Officer @ \$76 / hr (*min 4 hrs.*); vehicle @ \$20 / hr (*min 2 hrs.*)
- » **The total FY 2022 NTE cost for TCSO services is \$250,000**



- » Staff recommends amending the Policy Code to exempt agreements for road enforcement services from competitive bidding or competitive proposal requirements
- » Staff also recommends authorizing the executive director to enter into agreements with the Travis County Sheriff's Office for habitual violator road enforcement services

Briefings and Reports

- A. Bergstrom Expressway (183 South)
- B. 183A Phase III
- C. 183 North Mobility Project



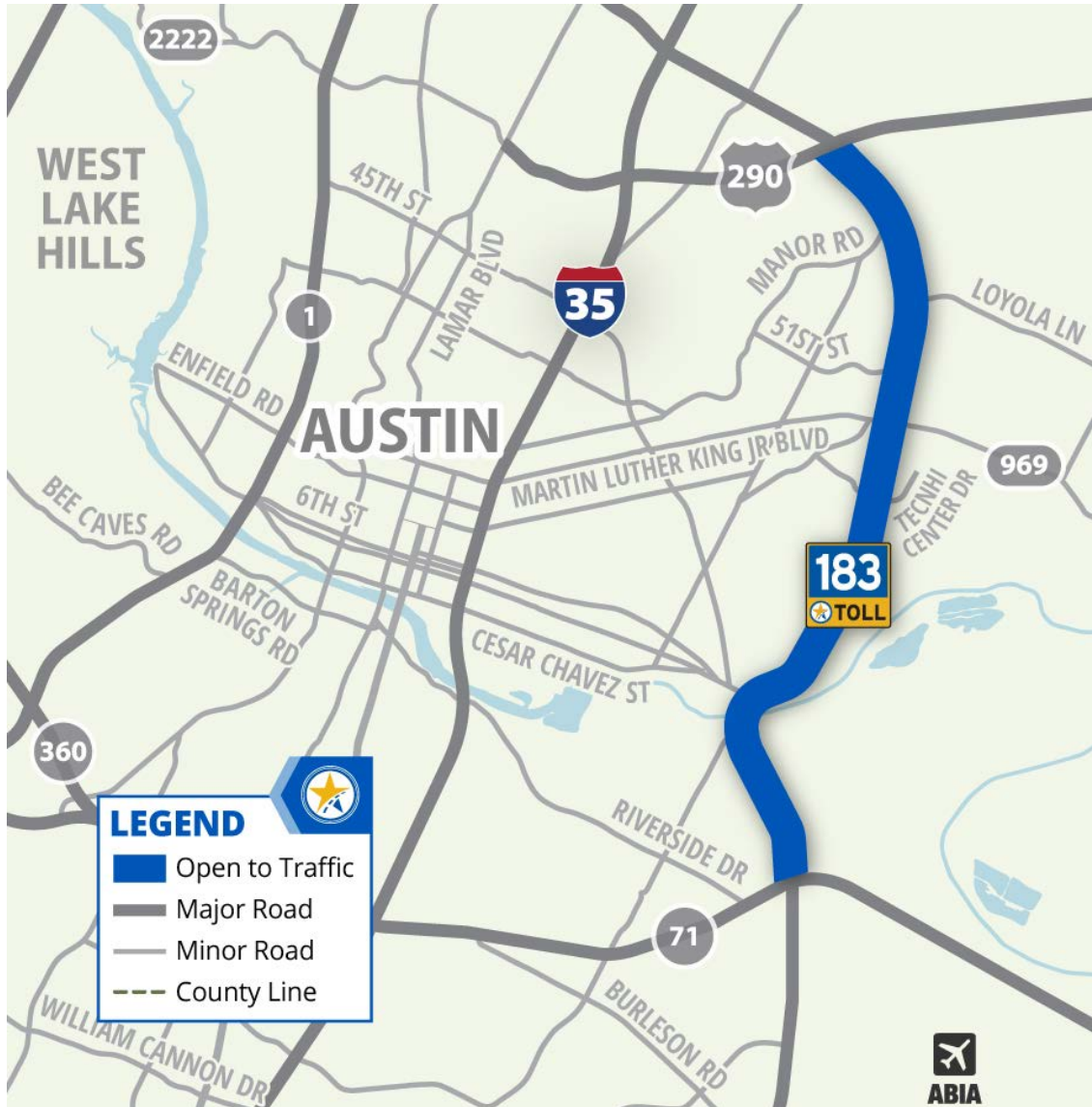
14A

Mike Sexton, P.E.

Acting Director of Engineering



183S Summary



- » **Project Description:** Three tolled lanes in each direction and two to three continuous, non-tolled general-purpose lanes in each direction
- » **Limits:** US 290 southernly to SH 71
- » **Total Project Cost:** \$743M
- » **Construction Cost:** \$582M
- » **Open to Tolling:** August 2019 thru March 2021



» **Current Project Status:**

- » Notice to Proceed 9/10/2015
- » Interim Completion 8/1/2019
- » Full facility open to tolling in March 2021
- » Overall Project Construction is 99.5% Complete

» **Work Underway:**

- » Currently focused on punch list items
- » Nightly lane closures



183 Toll: Serving All Roadway Users

» Now Open

- » 183 Toll
 - US 290 - SH 71
- » 7 mi. sidewalks
- » 16 mi. bike lanes
- » 10 mi. shared use paths



Briefings and Reports

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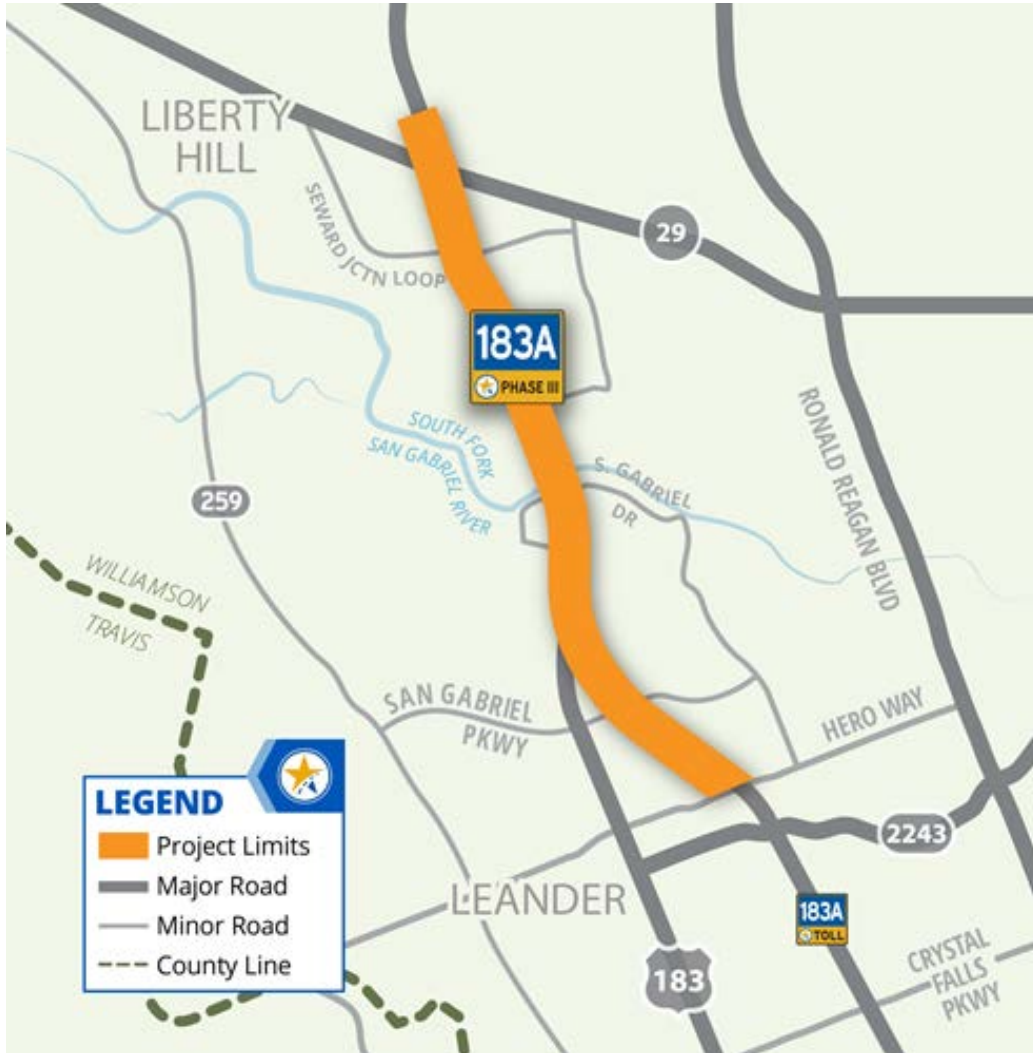
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Mike Sexton, P.E.

Acting Director of Engineering



183A Phase III Summary



- » **Project Description:** The project includes a 5.3-mile northern extension of the existing 10-mile 183A Toll Road
- » **Limits:** Hero Way to north of SH 29
- » **Total Project Cost:** \$277M
- » **Construction Cost:** \$175M
- » **Notice to Proceed:** 3/28/2021
- » **Open to Tolling:** Early 2025



» **Current Project Status:**

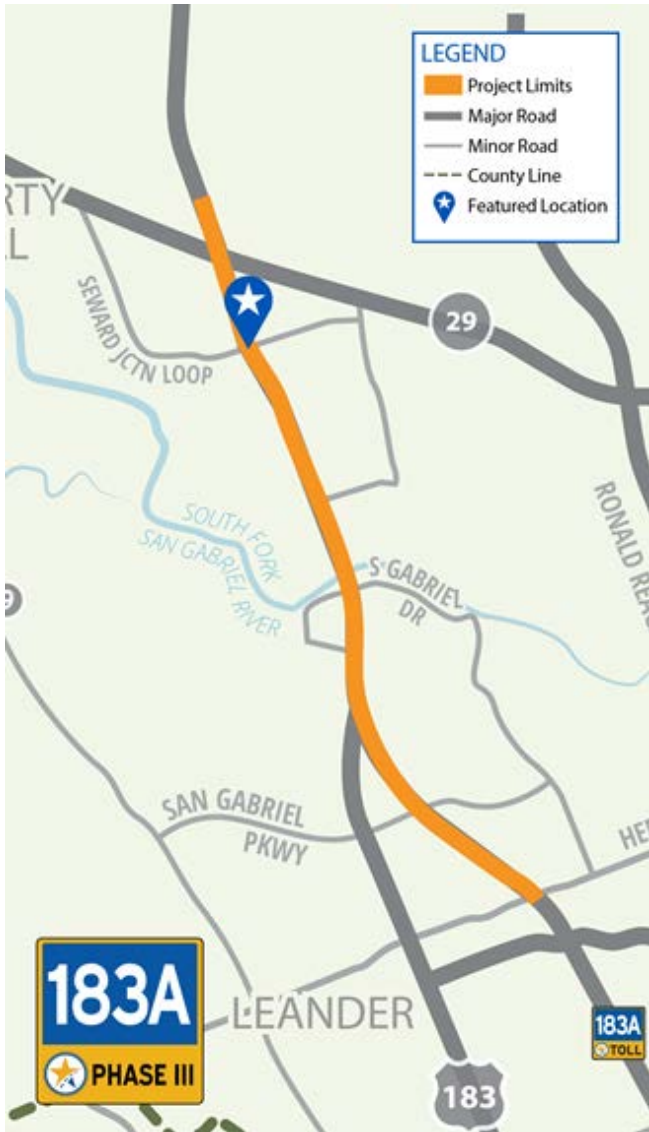
- » Contract Time started 4/26/2021
- » Overall Project Construction is 13.6% Complete

» **Initial Work Underway:**

- » Prep ROW/Earthwork
- » Bridge Substructure
- » Erosion Control
- » Drainage Systems
- » Utilities

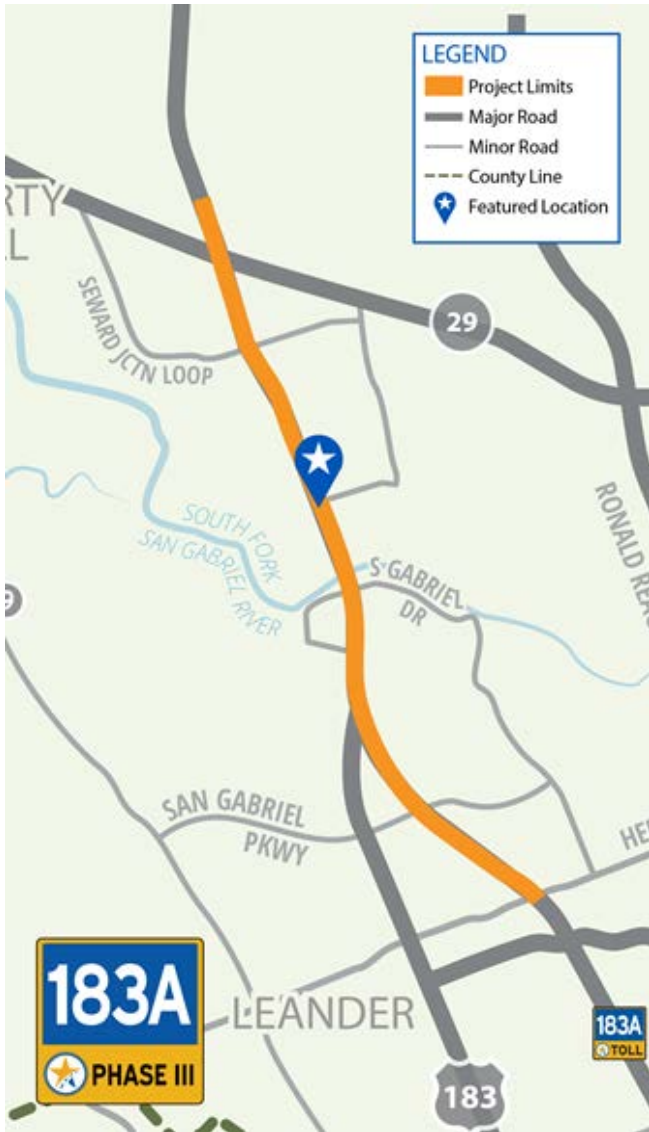


Construction Activities: Seward Junction Lp



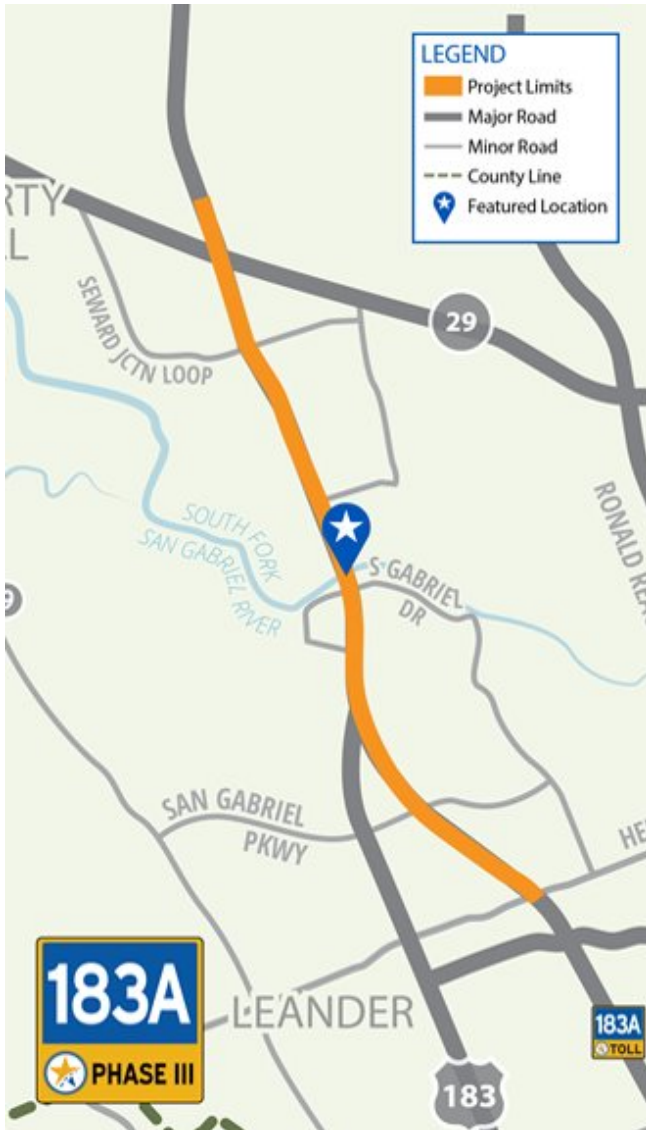


Construction Activities: Whitewing Dr.





Construction Activities: San Gabriel River



March 2021



June 2021

Briefings and Reports

- A. Bergstrom Expressway (183 South)
- B. 183A Phase III
- C. 183 North Mobility Project



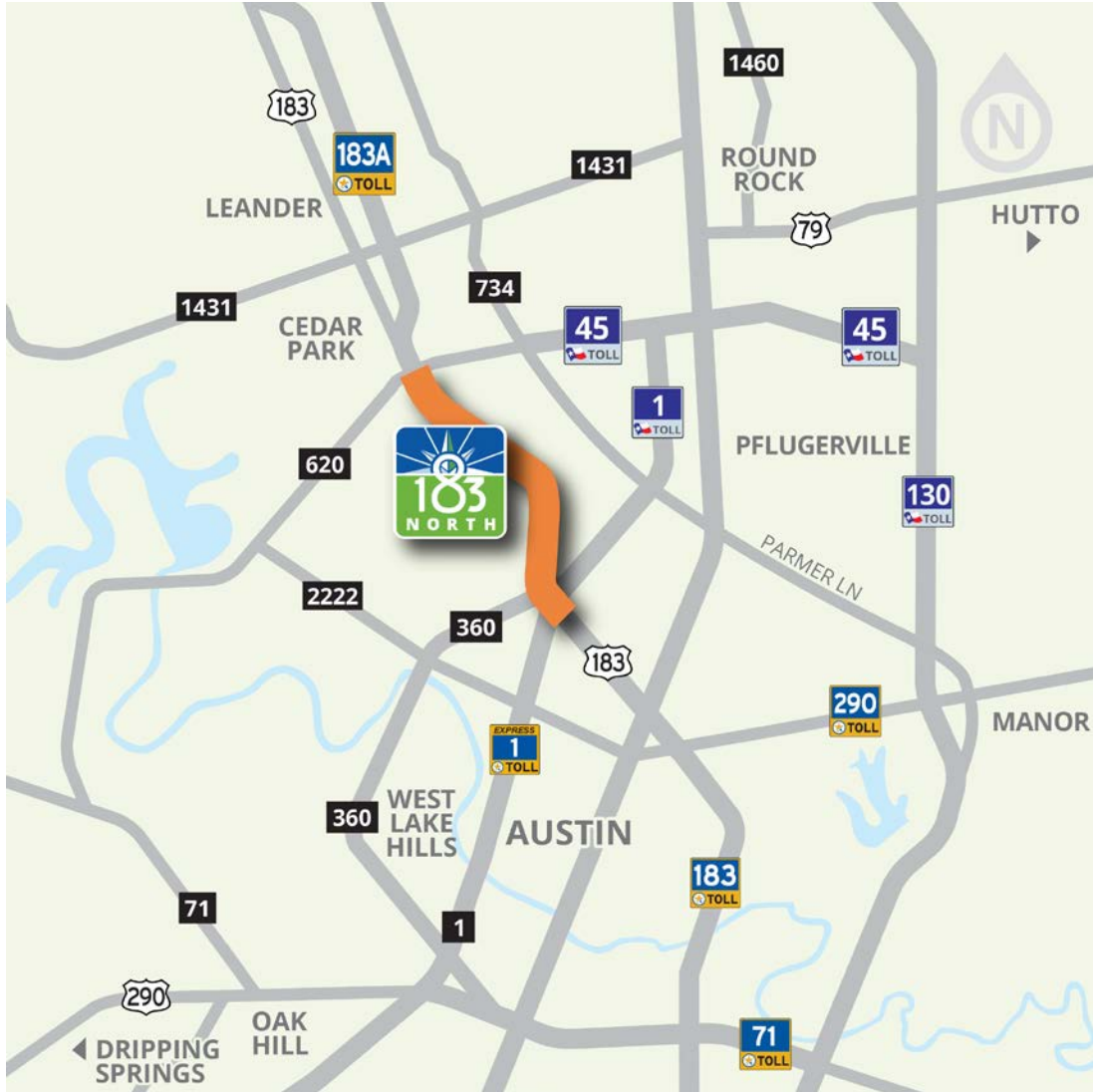
14C

Mike Sexton, P.E.

Acting Director of Engineering



183 North Mobility Project



- » **Project Description:** 9-mile Express Lane Project along US 183; GP Lane improvements; DCs at MoPac
- » **Limits:** SH 45 to MoPac
- » **Total Project Cost:** \$612M
- » **Design/Build Cost:** \$477.1M
- » **Notice to Proceed:** NTP1 Issued 4/15/2021; NTP2/3 issued 6/28/2021
- » **Open to Tolling:** Early 2026



» Design Activities

- » Project is currently in design. 30% Design submittals expected to commence in September
- » Field activities are limited to geotechnical borings, SUE investigations, and survey (all to support design)

» Permitting:

- » WPAP permit is on the critical path to commence construction activities. Design to support permit submittal is ongoing.

» Construction:

- » Construction expected to commence in 4th Quarter 2021



» Initial construction activities will include:

- » Installation of High Mast Lighting
- » Initial diamond grinding of general-purpose lanes (NGCS)
- » Median earthwork and drainage activities to support express lanes

Executive Director Board Report

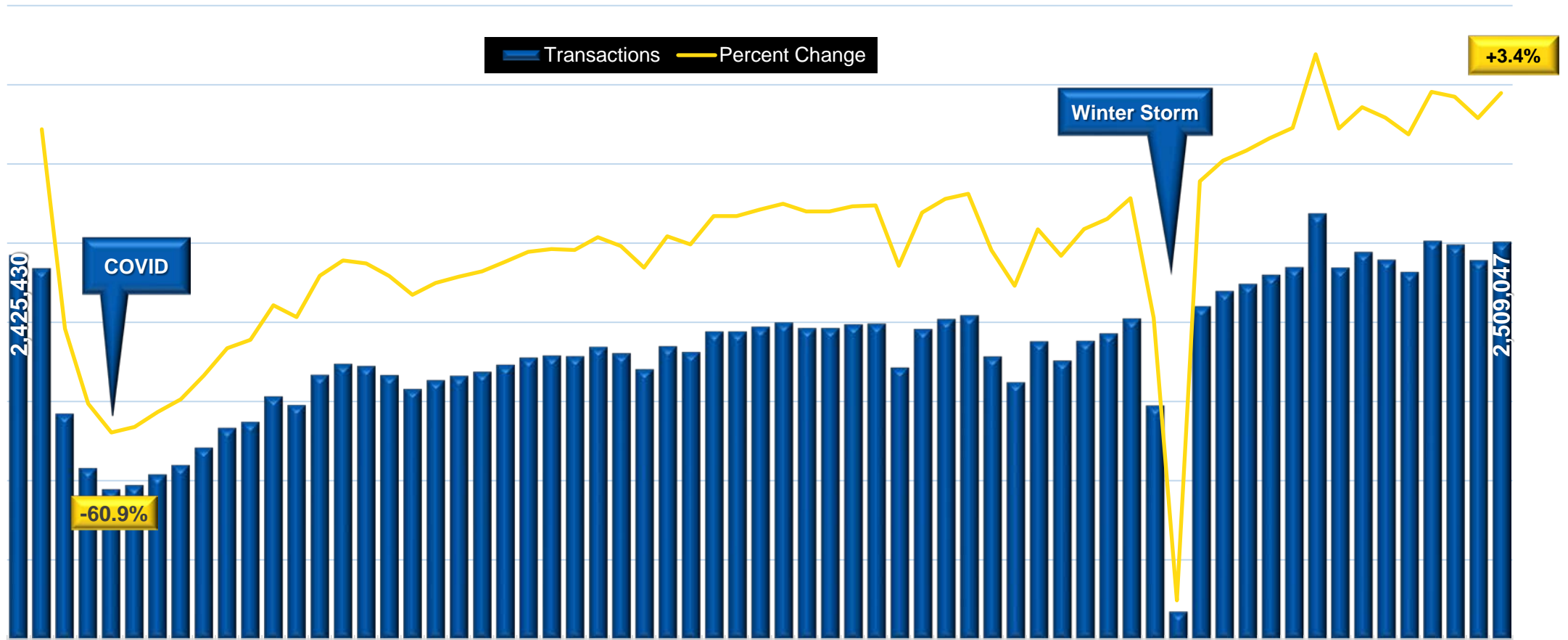
- A. Strategic Plan Update
- B. Update on the MoPac South Project
- C. Performance Metrics Dashboard



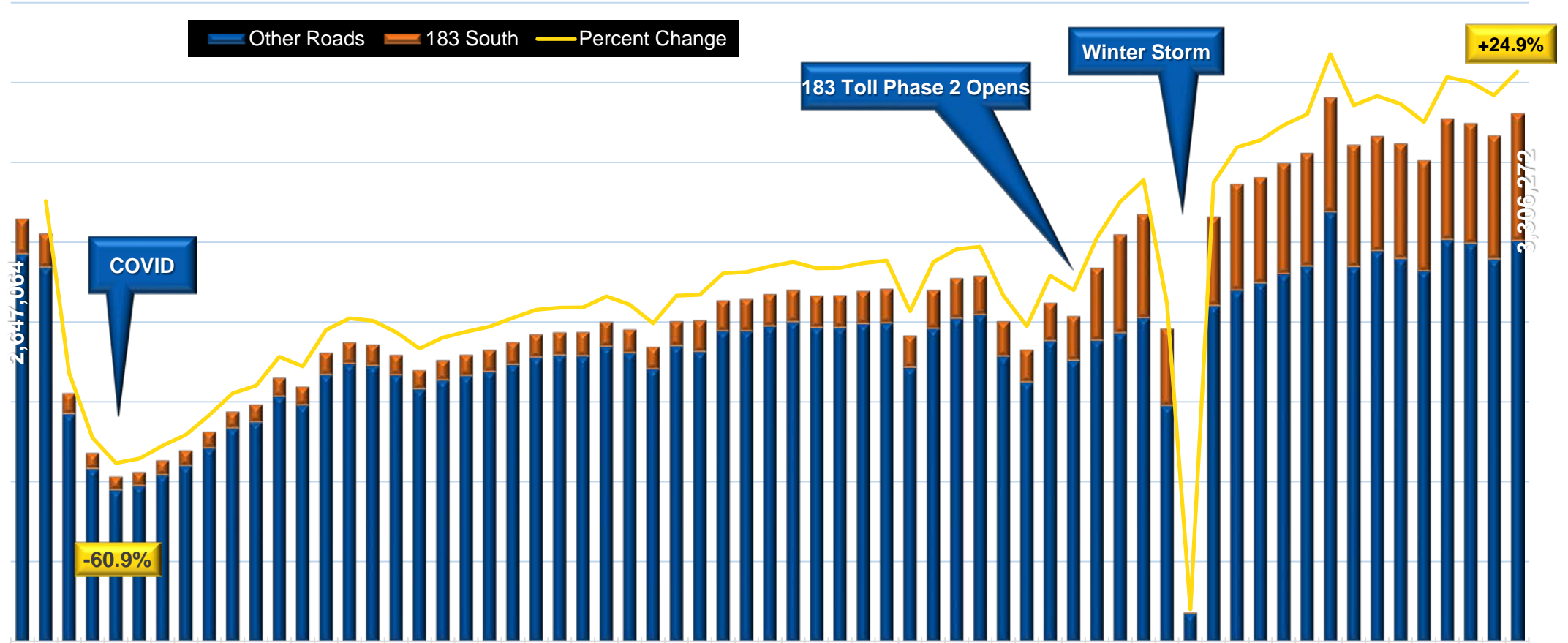
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James Bass
Executive Director

Weekly Transaction Trend (Excluding 183 Toll)



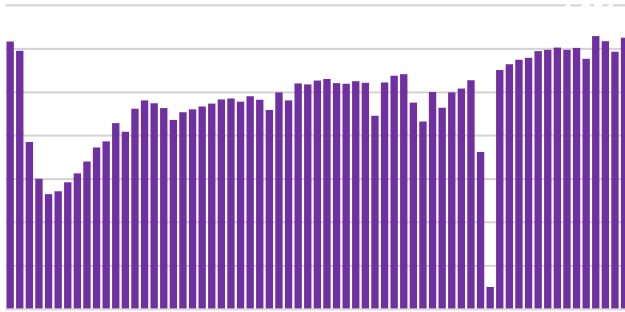
Weekly Transaction Trend (All Roads)



Weekly Transaction Trend by Roadway Since COVID

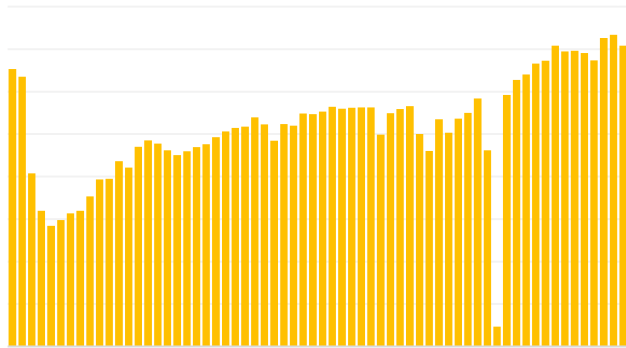
183A
TOLL

+1.4%



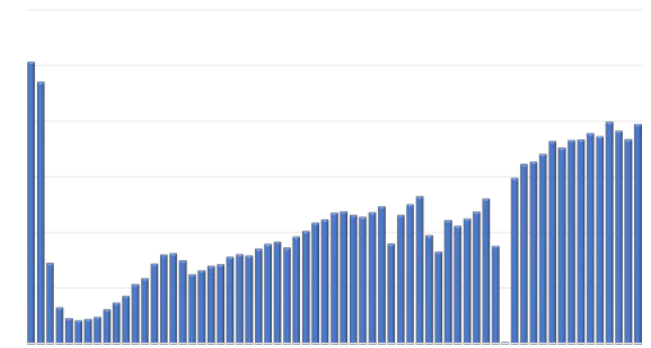
290
TOLL

+11.5%



EXPRESS
1
TOLL

-21.9%



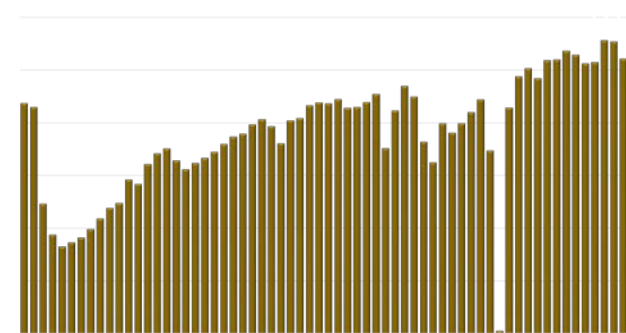
71
TOLL

+11.4%



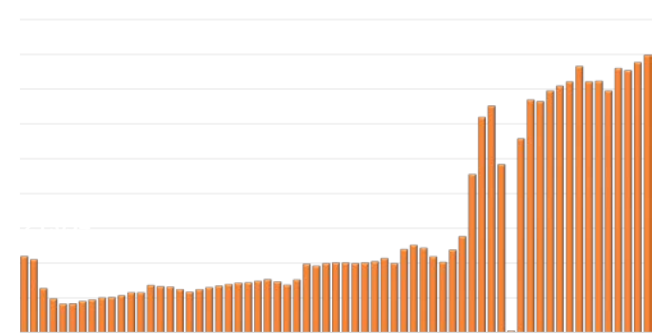
45
TOLL

+27.7%



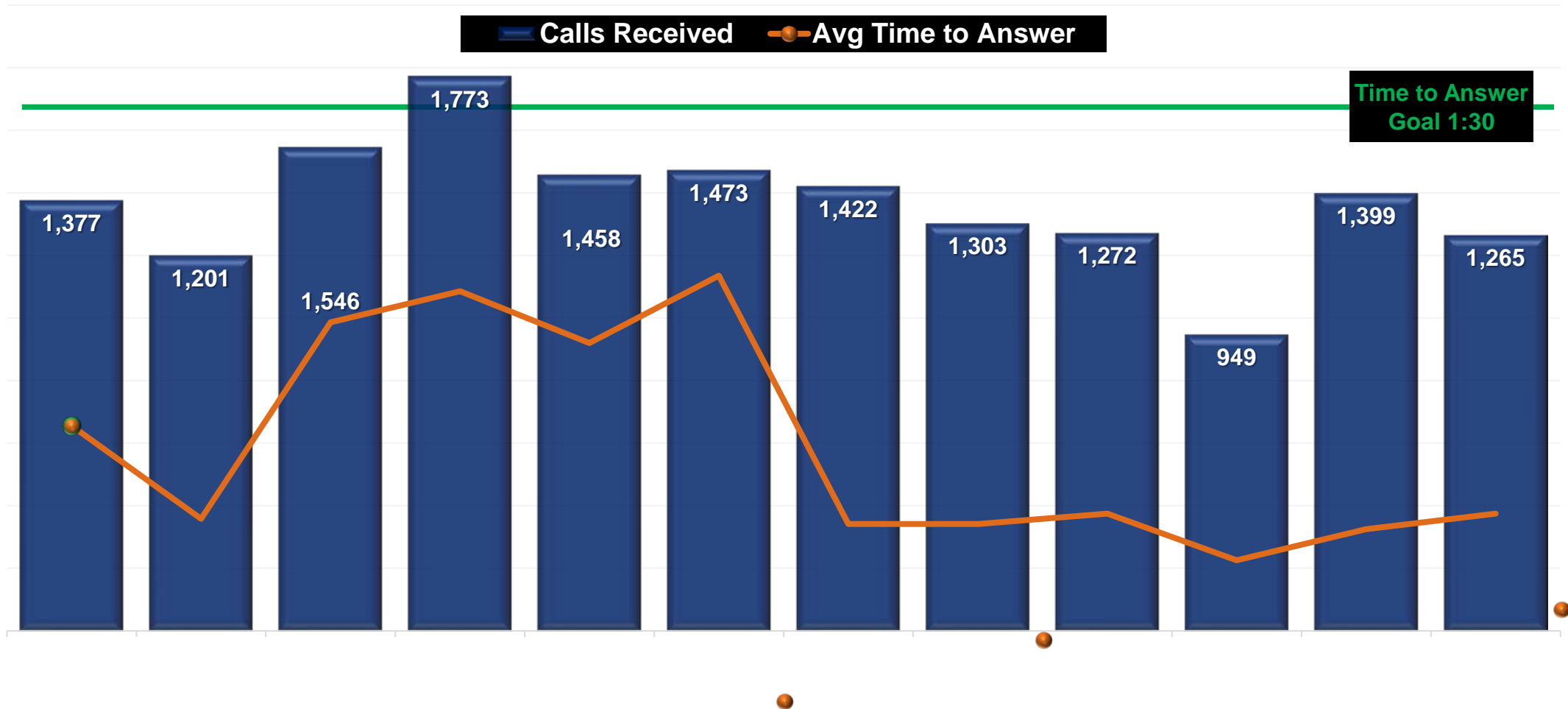
183
TOLL

+259.7%



Call Center Performance (Past Year)

Avg # of Daily Calls Received Versus Time to Answer (by Month)

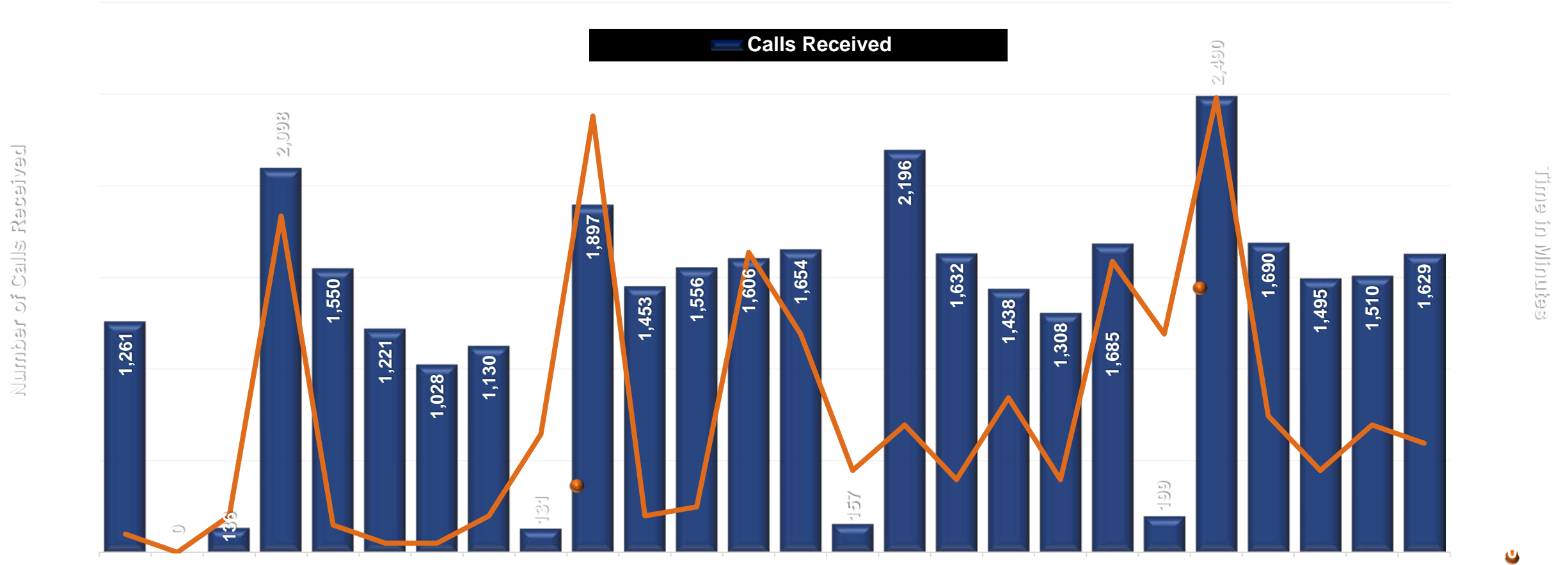


Call Center Performance (April 2021)

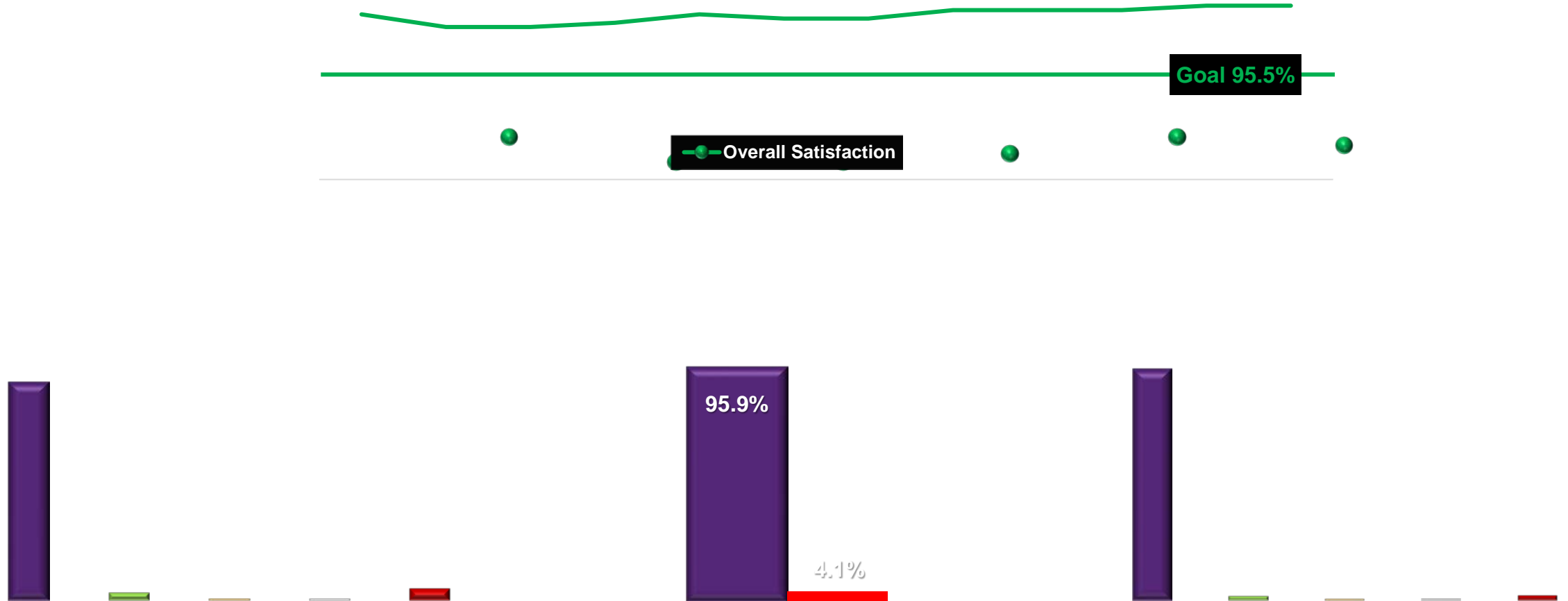
of Calls Received Versus Time to Answer



Time to Answer Goal 1:30



Call Center Customer Satisfaction



Post call survey of 5,165 customers in April 2021

Executive Session

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

16. 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)
17. Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects, as authorized by §551.071 (Consultation with Attorney)
18. Discuss personnel matters as authorized by §551.074 (Personnel Matters)



16-18

Bobby Jenkins
Chairman

Adjourn Meeting

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Bobby Jenkins
Chairman

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

August 25, 2021

CONSENT AGENDA BACKUP MATERIALS



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

Approve the purchase of Google Looker and Apigee software subscriptions from Carahsoft Technology Corporation for the Data Platform Host Project

#3

Greg Mack

Assistant Director of Toll Systems & IT



- » CTRMA has defined a multi-faceted strategic plan to implement an **end-to-end scalable tolling transaction processing system to meet current and future business capabilities known as the Data Platform System or DPS**
- » The back-office architecture design provides solutions for:
 - » Centralized, secure, and redundant data hosting for all data entities necessary for toll transaction processing
 - » External data exchange points that provide flexible structured transaction data transmissions to and from third parties
 - » Multi-step modular pricing and discounting business logic
 - » Auditable data governance and security
 - » UX/UI-driven data and business process administration
 - » Public, external, and internal fixed reporting and cached data access



Data Platform System Roadmap

Release	Release 1 & 2 (Combined)		Release 3		Release 4
Portfolios	1 Establish Platform	2 Routing & Exchanges	3 Pricing & Invoicing	4 Data Governance	5 Reporting
Work Streams	<ul style="list-style-type: none"> Roadway Transaction Data Data Transformation Periodic SLA Review 	<ul style="list-style-type: none"> CUSIOP DB & TCS Transaction Routing Transaction Exchanges 	<ul style="list-style-type: none"> Product Management Discount Program Pricing & Invoicing 	<ul style="list-style-type: none"> Reporting Data Cache Data Governance DMV 	<ul style="list-style-type: none"> External Reporting Internal Reporting Reporting & Analytics
Projects	<ul style="list-style-type: none"> Data Platform Solution Toll Transaction Database(s) Roadway Transaction Data Data Transformation Roadway Data SLA Monitoring 	<ul style="list-style-type: none"> CUSIOP Database(s) Source Data Exchange & Transformation Exemp. Vets. Habits. datasources & (UI/UX) Transaction Routing Logic, Rules, & Price Adjustments IOP Exchange PBM Exchange Current TCS Exchange Future TCS Exchange 	<ul style="list-style-type: none"> Transaction Operations Management Solution (TOMS) Product Management Strategy Product Database(s) Product Pricing Process Discount Program Strategy Discount Program Database(s) Discount Pricing Process Discount Program Marketing & Communication Invoice Database(s) Automated Invoicing Logic Invoice Data Exchanges 	<ul style="list-style-type: none"> DMV DB DMV Exchange Reporting Cache Platform Solution Public Reporting Data Exchanges Public Report Generation Public Data Reporting Data Governance - Strategy Data Governance Solution – Data Use Data Governance – Availability Data Governance - Policies & Education 	<ul style="list-style-type: none"> External Data Reporting Database(s) Internal Data Reporting Database(s) External Reporting Data Exchanges Report Generation Internal & External Data Exchange Internal Reporting & Analytics Tool(s)
Key Outcomes	<ul style="list-style-type: none"> Data Platform Environment Internal Roadway Transaction Data SLA-driven quality 	<ul style="list-style-type: none"> Transaction & Payment Path routing IOP Exchange PBM Exchange Tolling Exchange (TCS) Other Exchanges 	<ul style="list-style-type: none"> Internal pricing controls Transaction Operations Management Discount programs Consistent invoicing Transaction Processing Independence 	<ul style="list-style-type: none"> Fixed & Dynamic Reporting* Data governance SOC 2 Compliance 	<ul style="list-style-type: none"> Internal & external data access* Data Governance Public data availability



- » **Apigee**, part of Google Cloud, is a platform for developing and managing application programming interfaces (APIs) – interfaces that make it easy for one application to consume capabilities or data from another application.
- » **Google Looker** is a business intelligence software and big data analytics platform that facilitates the exploration, analysis and sharing of real-time business analytics easily.
- » **Procured through DIR:** Contract #DIR-TSO-4162
- » **Product:** Google Cloud Enterprise Agreement for Public Sector
- » **Term:** 12-month subscription
- » **Estimated subscription term:** September 1, 2021 thru August 31, 2022
- » **Cost:** \$161,112 / 12 mos.



- » **Staff recommends approving the purchase of Google Apigee and Looker software subscriptions from DIR vendor Carahsoft Technologies through the Texas Department of Information Resources Cooperative Contracts Program in support of the Mobility Authority's data platform host project.**
- » **Next Steps:**
 - » Continue development and testing of Releases 1 & 2 functionalities (*estimated completion is Sept 2021*)
 - » Review response to Release 3 Statement of Work
 - » Board action on the recommended vendor for Release 3

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



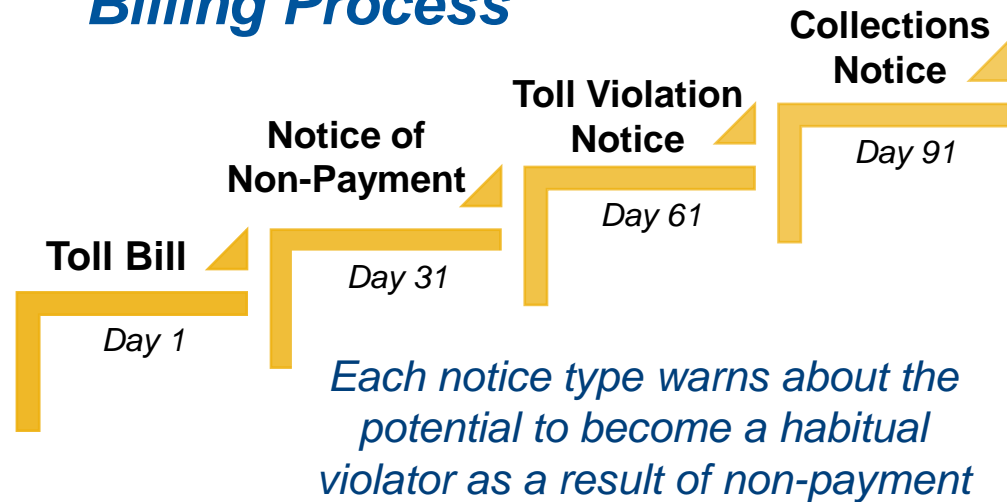
CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

Tracie Brown

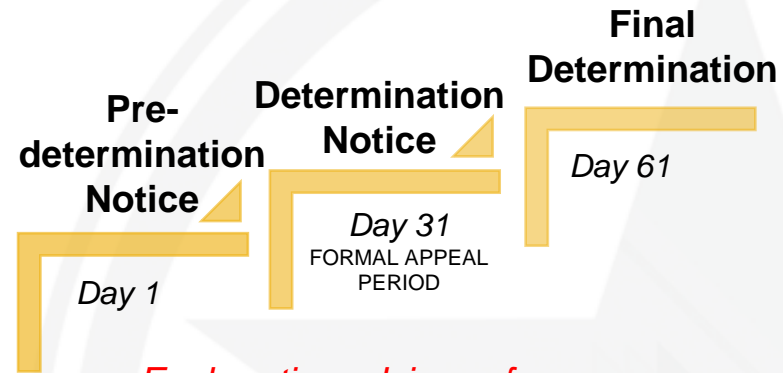
Director of Operations



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: 689**

» **Total number of unpaid tolls: 373,126**

- Average number of outstanding tolls per vehicle: 540
- Average unpaid balance: \$883.60

» **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