

REGULAR MEETING OF THE

BOARD OF DIRECTORS

Our mission is to develop, deliver, operate and maintain high-quality roadways and related transportation solutions.

April 26, 2023



AGENDA ITEM #1-2

Bobby Jenkins Chairman

1.Welcome and opportunity for public comment

2.Welcome newly appointed Board Member and administer the oath of office



CONSENT AGENDA ITEMS #3-7

Bobby Jenkins Chairman

- 3. Approve the minutes from the March 29, 2023 Regular Board Meeting.
- 4. Prohibit the operation of certain vehicles on Mobility Authority toll facilities pursuant to the Habitual Violator Program.
- 5. Approve an Interlocal Agreement with the City of Cedar Park for real time kinematics technology to conduct traffic investigations, construction monitoring and other traffic surveillance services.
- 6. Approve an Interlocal Agreement with the Texas
 Department of Transportation for materials inspection and
 testing services for the Barton Skyway Ramp Relief Project.
- 7. Approve a contract with Nortex Concrete Lift and Stabilization, Inc. for concrete slab lifting and stabilization services on the 290E corridor.



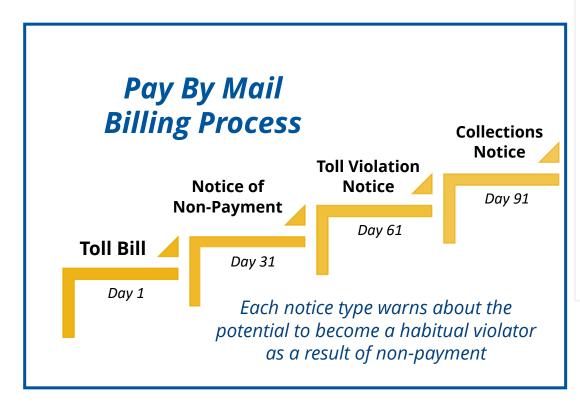


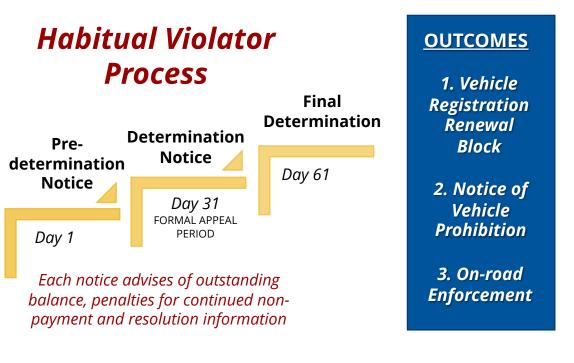
Tracie Brown Director of Operations

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

ESCALATING COMMUNICATIONS







MOBILITY AUTHORITY POLICY CODES



Section 301.010(d-f): Customer Service & Violation Enforcement Policies

- Customers with 100 or more events non-payment within a period of one year and who have received at least two written notices of non-payment may be considered habitual violators.
 An event of non-payment is considered to be one unpaid toll transaction.
- Following a final determination that a registered owner with at least 100 unpaid toll
 violations within a year is a habitual violator, the authority may report a vehicle owned or
 leased by a person determined to be a habitual violator to a county tax assessor-collector or
 the Texas Department of Motor Vehicles in order to cause the denial of a vehicle registration.
- By order of its Board of Directors, the authority may prohibit the operation of a motor vehicle owned or leased by a person determined to be a habitual violator on all authority toll roads. Vehicles that continue to operate on a toll road after the prohibition are subject to ticketing and impounding.

HV PROHIBITED VEHICLE ACTION SUMMARY – APRIL 2023



- Approve a Vehicle Prohibition Order for the identified habitual violator customers
 - » Number of prohibited vehicles: 1,352
 - » Total number of related unpaid tolls: 874,371
 - Average number of outstanding tolls per vehicle: 646
 - Average unpaid balance: \$1,710
- 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

RECOMMENDATION



 Staff recommends the Board approve the prohibition of certain vehicles on Mobility Authority toll facilities pursuant to the Habitual Violator Program



AGENDA ITEM #5

Tracie Brown Director of Operations

Approve an Interlocal Agreement with the City of Cedar Park for real time kinematics technology to conduct traffic investigations, construction monitoring and other traffic surveillance services

THE ISSUE





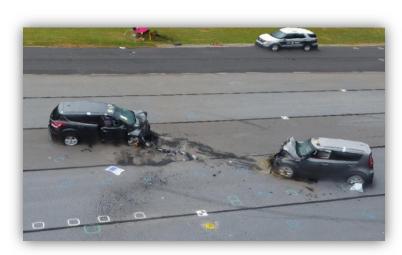
- Crashes involving a fatality are awful and require a complex and time-consuming investigative process
 - » Drivers are inconvenienced
 - » Commerce is interrupted
 - » Emergency responders are diverted from other duties
 - » Toll revenue can be impacted

AN INNOVATIVE APPROACH: DRONES



- Unmanned aerial vehicles (drones) are becoming a vital tool for law enforcement agencies
- Accident investigation is a key use case
- Studies show drones provide numerous benefits over traditional investigative approaches:*
 - » Lessens time required for data collection freeing up law enforcement resources
 - » Significantly reduces risk for investigators and motorists
 - » Reduces the time required to reopen roadways following a collision
 - » Provides immediate documentation of acquired data
 - » Easier to operate and maintain
 - » Provides aerial perspective of the scene

*Collision Scene Reconstruction & Investigation Using Unmanned Aircraft Systems - NCDOT



Potential Benefits





- Cedar Park Case Study: Fatal accident at the intersection of US 183 and the 183A frontage road on September 9, 2020
 - » Two motorcyclists killed after a vehicle ran a red light
 - » Traffic diverted onto US 183 for 9 hours and 35 minutes
 - » The Mobility Authority lost more than \$48,000 due to diversion
 - » Because of rain, investigation could not be completed that night
 - » Drone operator from another agency called to finish investigation
 - » Cedar Park Police estimate drone prevented 12 hours of additional road closures

LEANDER PD INITIATIVE RESULTS

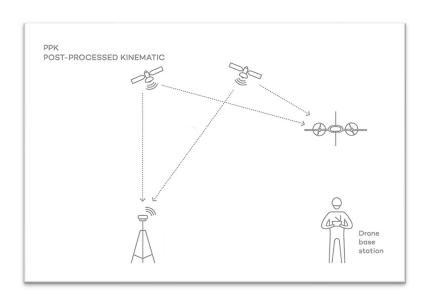


- The CTRMA Board approved a similar ILA with the City of Leander in April 2021.
- Sgt. Doyle of Leander Police Department provided the following feedback regarding the benefits experienced with the Leander PD drone and RTK system for crash investigations:
 - Consistently cutting down the total time of crash investigations by ~50%. Two recent fatality crashes were worked and then investigated in 6-8 hours vs 12-18 hours using prior equipment (total station).
 - Reduces the need for officers to be physically on the road while investigating resulting in a safer scene.
 - Efficient way to investigate reducing officer workload.
 - Reduces road closure time (in some cases they used to close on two separate days).
 - Drones have been used for patrolling during festivals and large events, searching for wanted/missing persons, and during dangerous calls.

AGREEMENT TERMS







- Mobility Authority to contribute \$18,500 toward purchase of a GPS-based aerial ground surveying system
- In addition to expedited crash investigation, the Cedar Park Police Department will provide the following:
 - » Quarterly flyovers of existing 183A in Cedar Park and adjacent construction
 - » Quarterly reports detailing use of the drone equipment and its benefit to the Mobility Authority
- The City of Cedar Park is required to reimburse a pro-rated portion of the payment if the agreement is terminated within three years of its approval

RECOMMENDATION



 Authorize the Interim Executive Director to execute an interlocal agreement with the City of Cedar Park for Drone Services for 183A Toll and 183A Phase III in an amount not to exceed \$18,500



REGULAR ITEMS

COLLABORATION | INNOVATION | SERVICE | SAFETY | STEWARDSHIP





José Hernández Chief Financial Officer

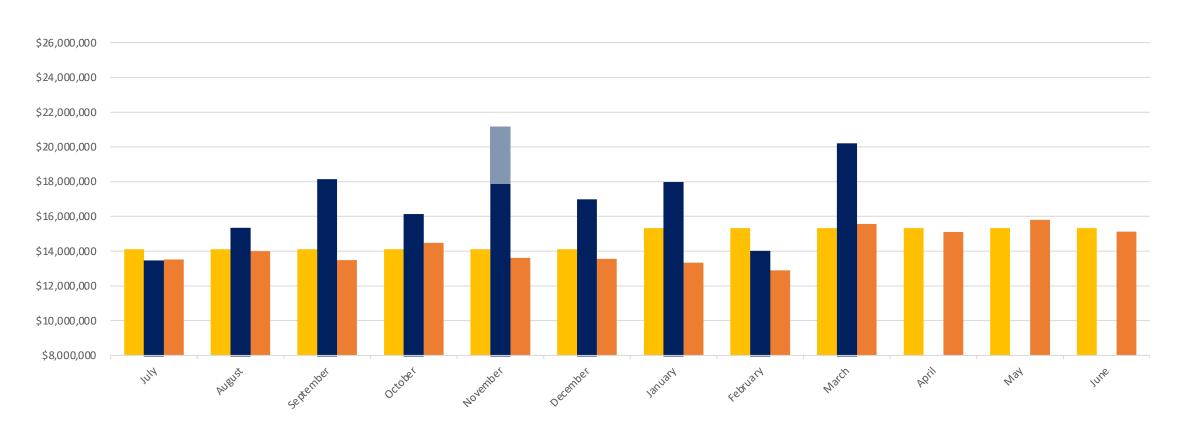
Accept the financial statements for March 2023

COLLABORATION | INNOVATION | SERVICE | SAFETY | STEWARDSHIP

March 2023 System Toll Revenues



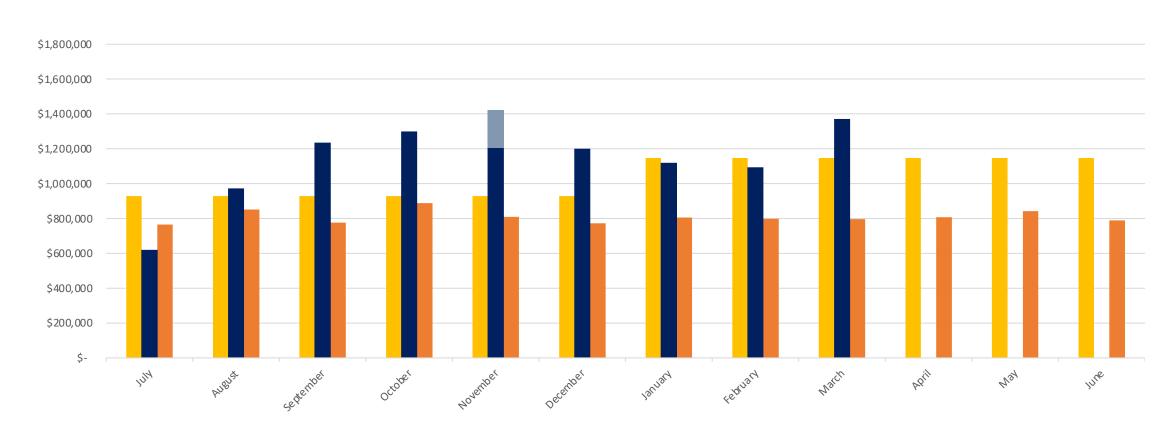
FY 2023 System Toll Revenues



March 2023 MoPac Toll Revenues



FY 2023 MoPac Toll Revenues



March 2023 YTD Performance - All Funds



Revenues

- » Toll revenues ahead of budgeted amounts to date 90.9% of annual budget collected through March (75% of year elapsed)
 - Tag revenues \$105.8MM (88%)
 - Video tolls \$48.2MM (103%)
 - Fee revenue \$9.8MM (70%)
- » Interest income performance \$23.4MM actual vs. \$3.2MM budget
- * \$187.5MM total revenue collected through February 101.4% of budget

Expenses

- » Operating expenses on track with budgeted amounts to date
 - Administrative 52.8% of annual budget expended
 - Operations and Maintenance 64.2% of annual budget expended
- » Non-operating expenses (bond interest) also in line with budget 68.9%





Mike Sexton Acting Director of Engineering

Discuss and consider amending the FY2023 Operating Budget to transfer funds the 290E Wall Improvements and Repairs

COLLABORATION | INNOVATION | SERVICE | SAFETY | STEWARDSHIP

FY2023 Operating Budget Amendment



- The adopted budget anticipated the following expenditures:
 - » \$3,790,000 Metal Beam Guard Fence Improvements and Cable Barrier Addition (MBGF project)
 - » \$500,000 290E Wall Improvements and Repairs (290E Wall project)
- Requesting to increase the budget for the 290E Wall project by \$701,000 and reduce the MBGF project by \$701,000
- Proposed amended budget:
 - » \$3,089,000 Metal Beam Guard Fence project
 - » \$1,201,000 290E Wall project



BRIEFINGS & REPORTS

COLLABORATION | INNOVATION | SERVICE | SAFETY | STEWARDSHIP



AGENDA ITEM #10A-D

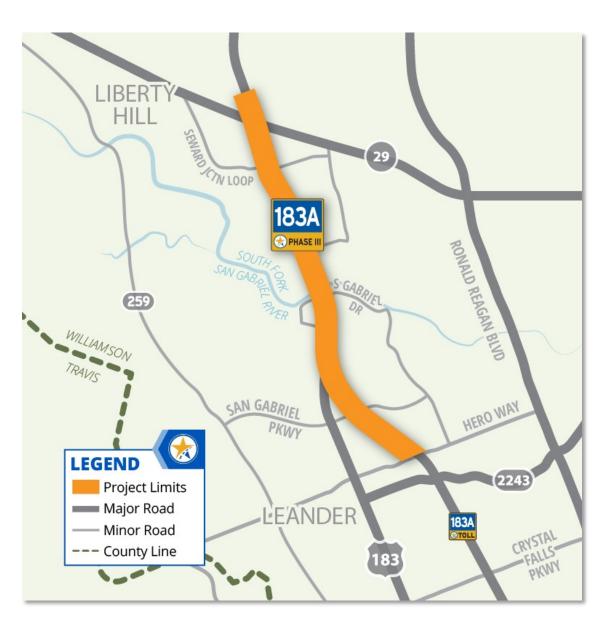
Mike Sexton Acting Director of Engineering

Quarterly Project Updates

- A. 183A Phase III Project
- B. 183 North Mobility Project
- C. MoPac Cemetery Tree Planting Project
- D. Barton Skyway Ramp Relief Project

183A PHASE III PROJECT





- Project Description: The project includes a 5.3-mile extension of the existing 10-mile 183A Toll Road to the north
- Limits: Hero Way to north of SH
- Total Project Cost: \$259M
- Construction Cost: \$175M
- Notice to Proceed: 3/28/2021
- Open to Tolling: Early 2025

183A PHASE III PROJECT STATUS



- Current Project Status:
 - » Contract Time started 4/26/2021
 - » Overall Project Time elapsed is 53.3% through March 2023
- Work Underway:
 - » Bridges Substructure and Superstructure
 - » Retaining Walls
 - » Drainage Systems
 - » Earthwork
 - » ITS/Elec Duct Runs
 - » Utility Relocations

PROJECT FINANCIALS



Original Contract Amount:	\$ 175,695,656.17
Authorized Changes (Change Order and Amendments)	
Previous Periods:	\$ 682,447.71
This Period:	\$ 0
Current Authorized Contract Amount:	\$ 176,378,103.88
Draw Requests 1 – 23 (Jan. 2021 through Dec. 2022)	\$ (75,171,064.54)
Draw Request 24 (Jan. 2023)	\$ (2,355,800.10)
Draw Request 25 (Feb. 2023)	\$ (2,162,712.49)
Draw Request 26 (Mar. 2023)	\$ (1,490,000.00)
Total Amount Earned to Date:	\$ (81,179,577.13)
Amount remaining for work to be completed:	\$ 95,198,526.75
Total Percent of Budget Expended through Mar. 2023:	46.0%

Notes:

Deductions from Construction Contract indicated by (\$X.XX) (\$X,XXX) Indicates estimated value pending CTRMA review and acceptance

CONSTRUCTION ACTIVITIES: STATE HIGHWAY 29







December 2022 April 2023



CONSTRUCTION ACTIVITIES: WHITEWING DRIVE





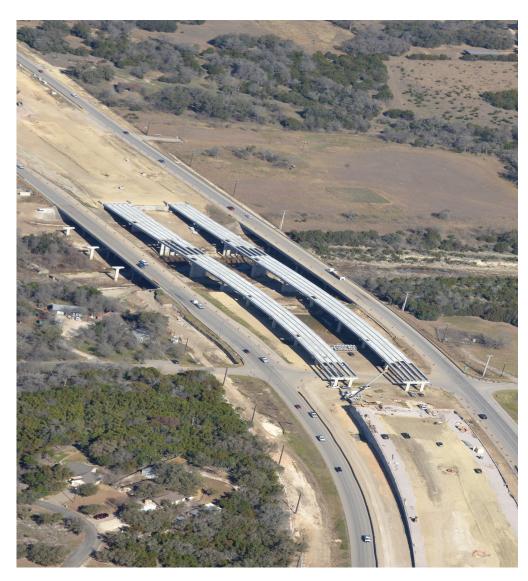






CONSTRUCTION ACTIVITIES: SAN GABRIEL RIVER





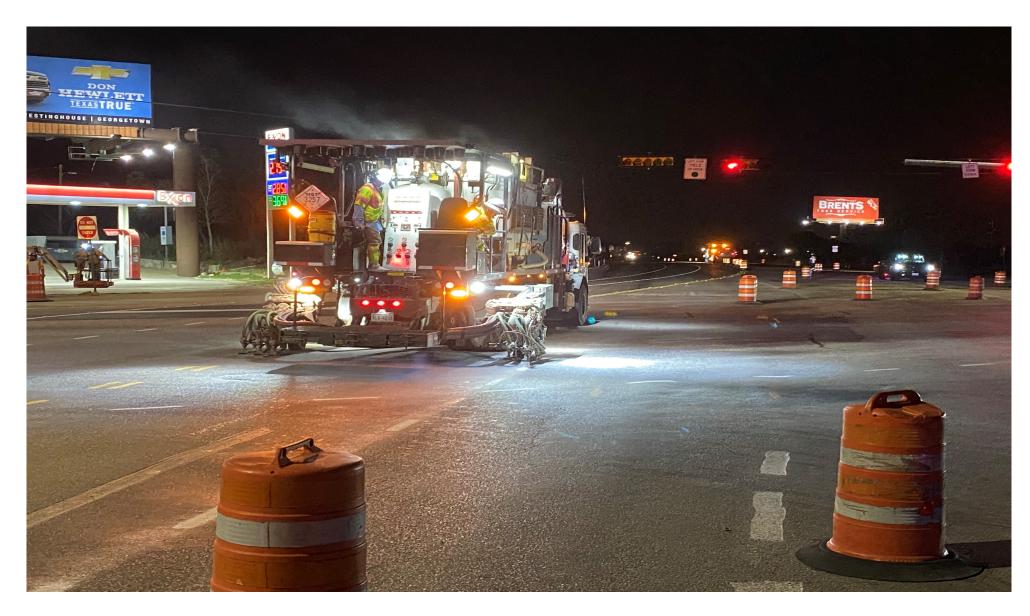


December 2022 April 2023



STATE HIGHWAY 29: PHASED TRAFFIC CONTROL





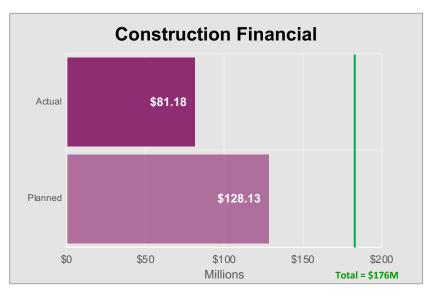
STATE HIGHWAY 29: EXCAVATION AND RETAINING WALL PROGRESS

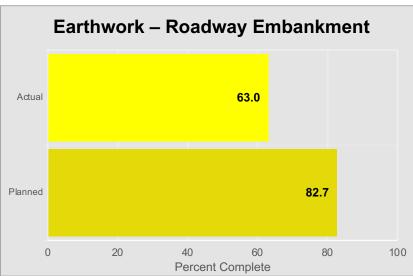


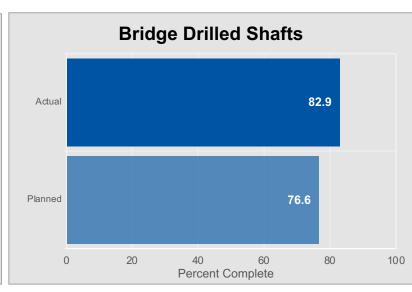


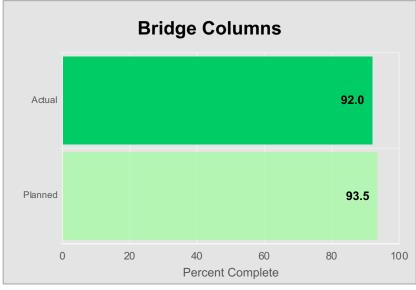
CONTRACT METRICS

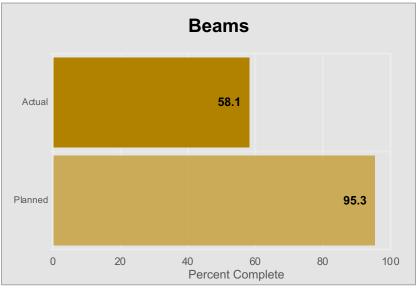


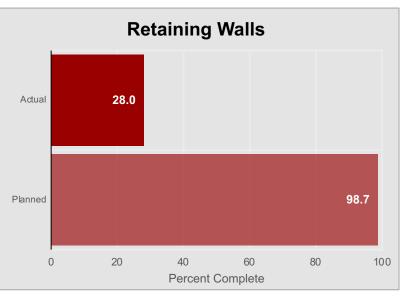






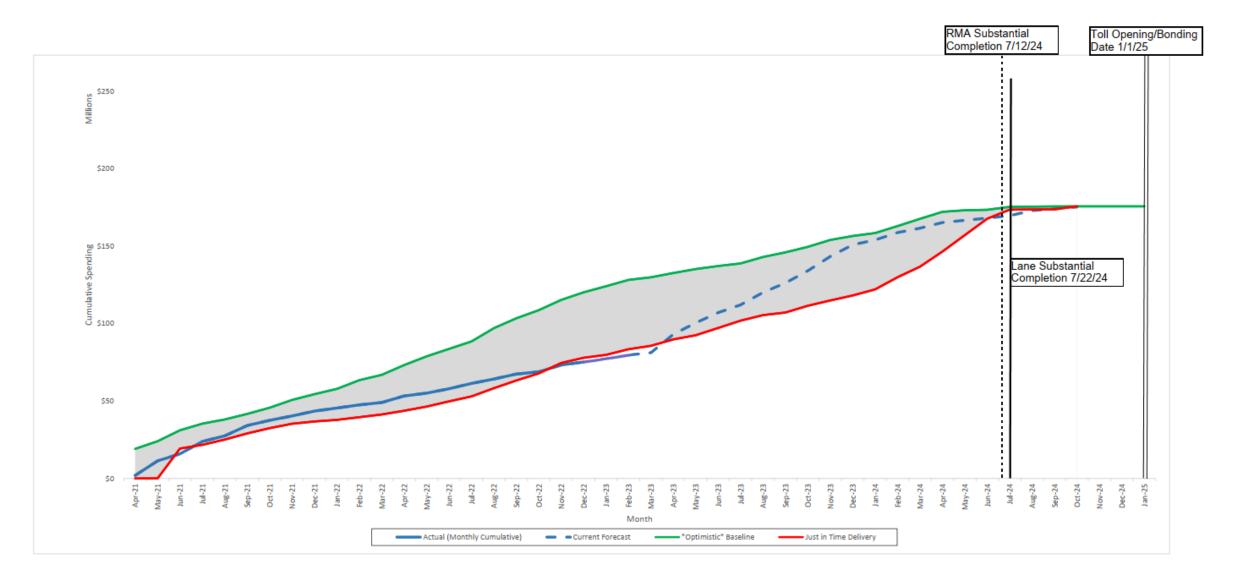






CONTRACT METRICS





ONGOING PUBLIC OUTREACH

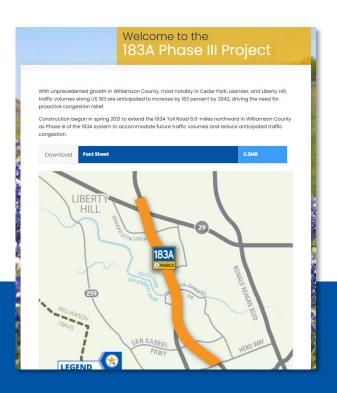


Project Newsletter Quarterly





Project Website 183A.com





Twitter @183AToll



183A Phase III @183atoll · Mar 2

We're keeping an eye on project progress from the sky. You can stay informed too by signing up for our project newsletter and construction alerts: 183a.com/stay-involved





ONGOING PUBLIC OUTREACH

Stakeholder Communication Continuous



February 4 | Good Neighbor Event

Summerlyn Neighborhood

- Project table
- Family friendly activities
- Cupcake truck



February 28 | Traffic Shift at SH 29

- Postcards to 15K
 residents and businesses
- Newspaper Ads
- Message Boards

- Email Notifications
- Social Media
- Project Newsletter
- Media Alerts

NO PUBLIC INQUIRIES OR COMPLAINTS 🗸



AGENDA ITEM #10A-D

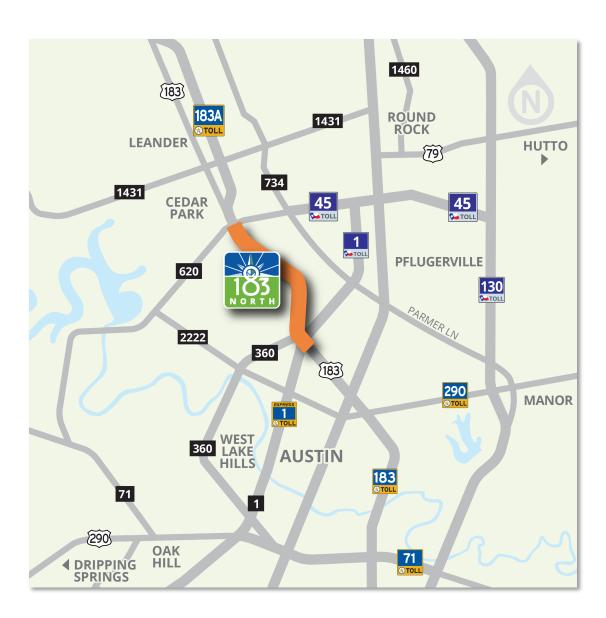
Mike Sexton Acting Director of Engineering

Quarterly Project Updates

- A. 183A Phase III Project
- B. 183 North Mobility Project
- C. MoPac Cemetery Tree Planting Project
- D. Barton Skyway Ramp Relief Project

183 NORTH MOBILITY PROJECT

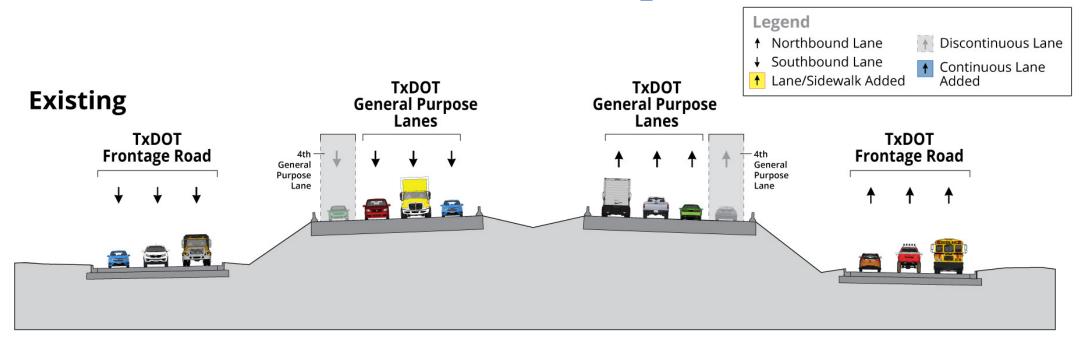


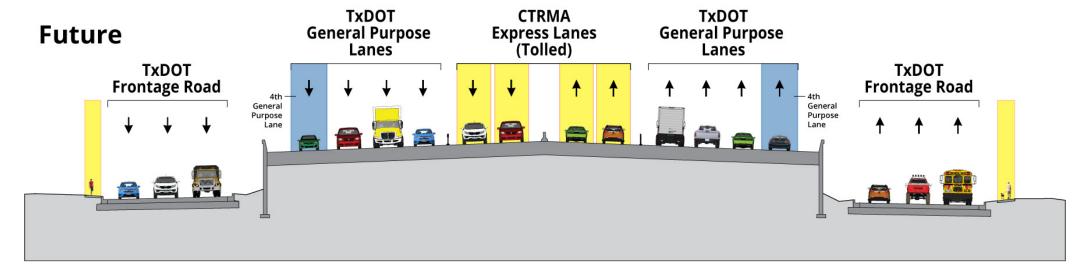


- Project Description: 9-mile Express Lane Project along US 183; GP Lane improvements; DCs at MoPac
- Limits: SH 45 to MoPac
- Total Project Cost: \$612M
- Design/Build Cost: \$492.1M
- Notice to Proceed: NTP1 Issued 4/15/2021; NTP2/3 issued 6/28/2021
- Open to Tolling: Early 2026

183 NORTH MOBILITY PROJECT







PROJECT FINANCIALS



Original Contract Amount:	\$ 477,149,654.00
Authorized Changes (Change Order and Amendments)	
Previous Periods:	\$ 14,927,647.85
This Period:	\$ 298,321.79
Current Authorized Contract Amount:	\$ 492,375,623.64
Draw Requests 1 – 20 (Apr. 2021 through Nov 2022)	\$ (124,899,960.46)
Draw Request 21 (Dec. 2022)	\$ (3,911,128.66)
Draw Request 22 (Jan. 2023)	\$ (4,087,893.60)
Draw Request 23 (Feb. 2023)	\$ (9,123,896.54)
Total Amount Earned to Date:	\$ (142,022,879.26)
Amount remaining for work to be completed:	\$ 350,352,744.38
Total Percent of Budget Expended through Feb. 2023:	28.9%

PROJECT STATUS



- Current Project Status:
 - » Contract Time Started 4/15/2021
 - » Overall Project Time elapsed is 44.8% through February 2023
- Design Status:
 - » Temporary ITS adjustment and Drainage packages are outstanding
 - » Currently in comment resolution process

PROJECT STATUS



- PBS-3 Schedule Updates
 - » Maximum Early Completion Incentive is \$10,000,000 (\$50,000/day up to 200 days)
 - » Latest schedule update shows GHC will achieve Substantial Completion 38 days early (reported 47 days early in January)
 - » GHC Completion Date: 5/5/25 (4/26/2025 in January)
 - » Contractual Substantial Completion: 6/12/25

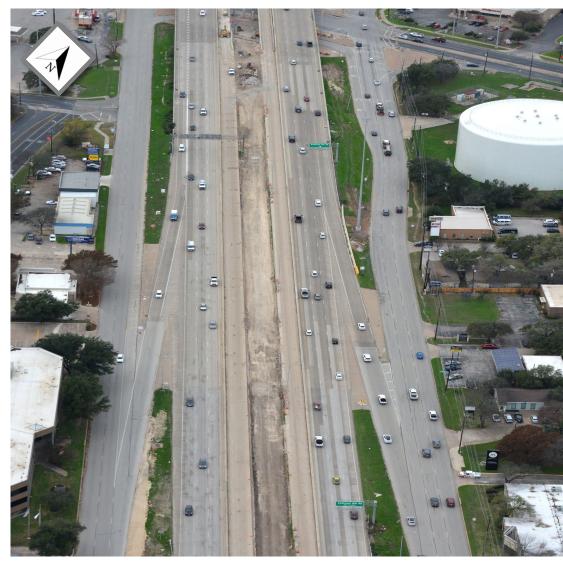
CONSTRUCTION ACTIVITIES

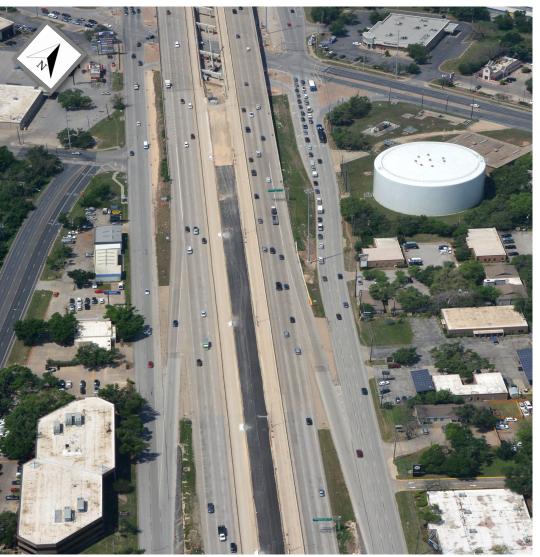


- Construction Activities continue over the next quarter:
 - » Complete installation of high mast lighting [energized] and subsequent removal of existing median lighting
 - » Complete diamond grinding of General Purpose Lanes
 - » Bridge substructure work (drilled shafts, columns, caps)
 - » Bridge superstructure work (set beams, deck panels)
 - » Median drainage and pavement work
 - » Overhead sign structure work
 - » Utility Adjustments
 - » Sidewalk and driveway work

CONSTRUCTION ACTIVITIES: MEDIAN WORK (McNeil)





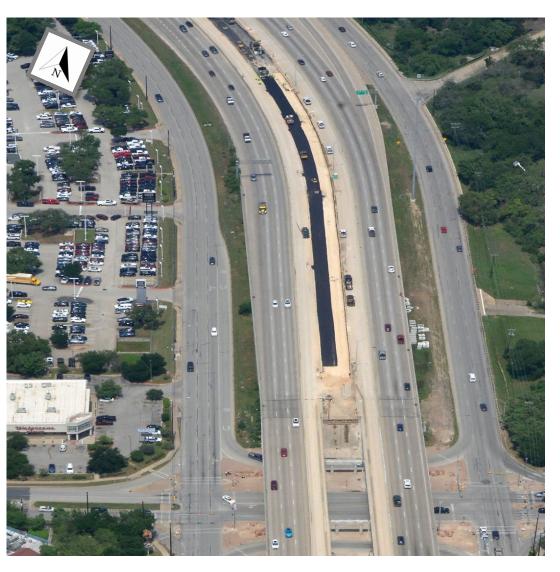


December 2022 April 2023

CONSTRUCTION ACTIVITIES: MEDIAN WORK (DUVAL)





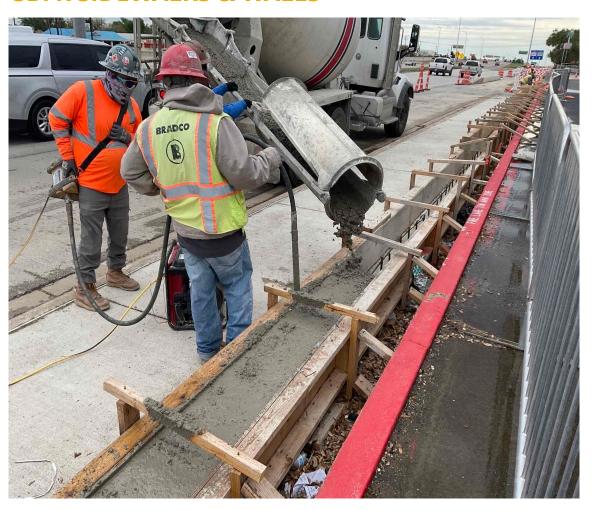


December 2022 April 2023

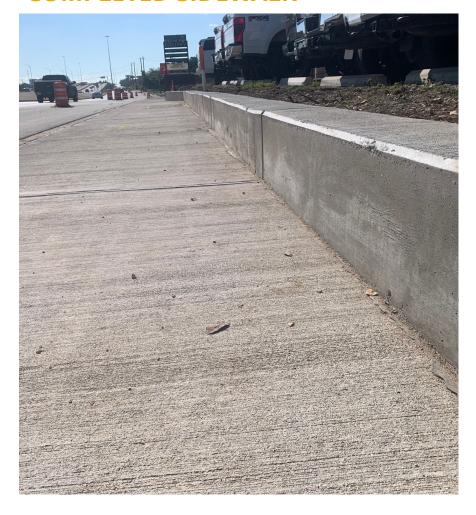
CONSTRUCTION ACTIVITIES: April 2023



SBFR SIDEWALKS & WALLS



COMPLETED SIDEWALK



CONSTRUCTION ACTIVITIES: April 2023



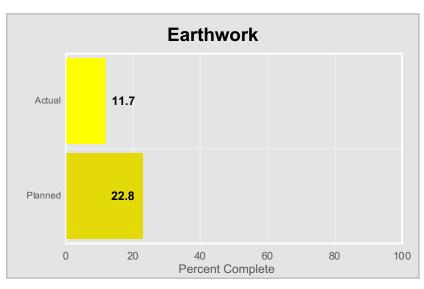
DIRECT CONNECTOR COLUMNS

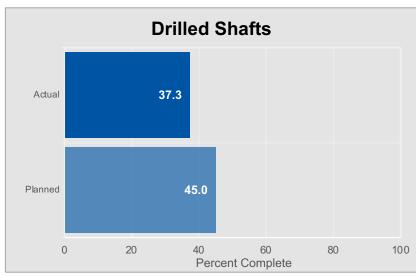


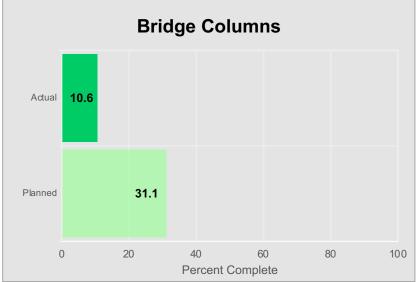
Contract Metrics

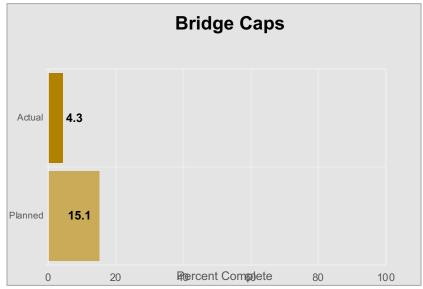


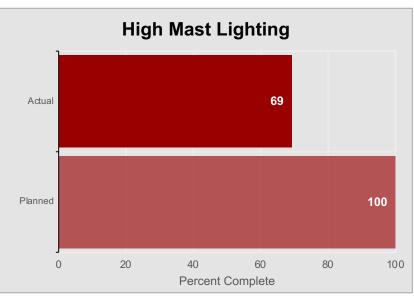




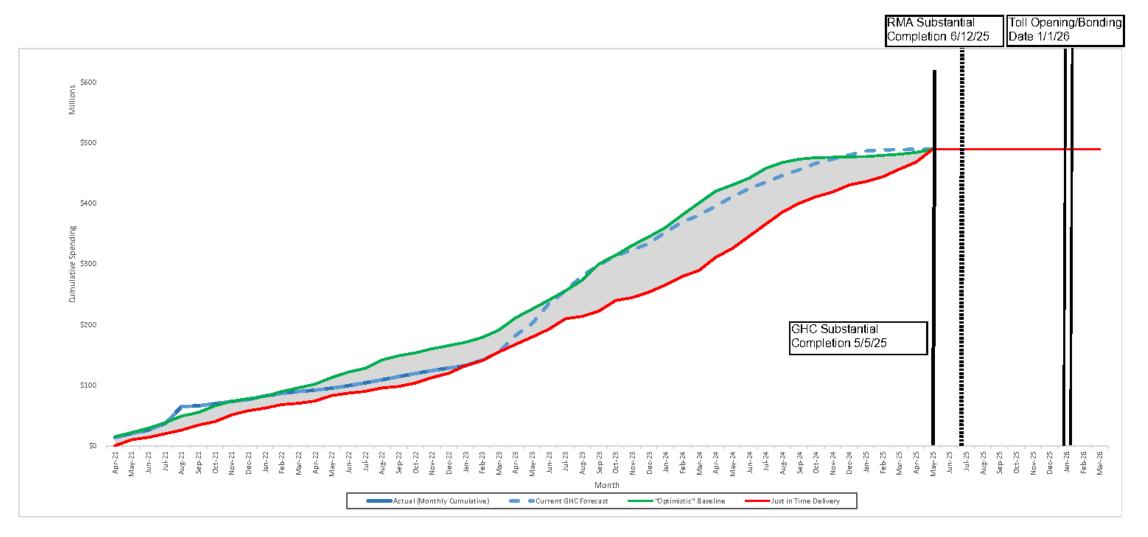












In the Community



Project Update Event | Febuary

Hosted the inaugural annual Project Update event, featuring construction progress from 2022 and upcoming work in 2023 where 116 community members attended.



Public Opinion Survey | March

Distributed public opinion survey via website and social media channels. We received 66 responses, but publicity of the survey reached 45,000+ people.



HOW ARE WE DOING?

Take the inaugural Public Opinion Survey for the 183 North Mobility Project

We appreciate your patience as we continue to improve US 183 between SH 45 North and MoPac. The Central Texas Regional Mobility Authority and the 183 North Mobility Project contractor will work to communicate effectively and minimize construction impacts, where possible, as we strive to complete the improvement project as safely and quickly as possible. Please take a couple of minutes to let us know how we did between Jan. 1st - Dec. 31st, 2022, by completing this survey.

Your responses will help us determine how we can improve construction activities and communication efforts moving forward. Approximate completion time is five minutes. We appreciate your response by: April 1st, 2023.

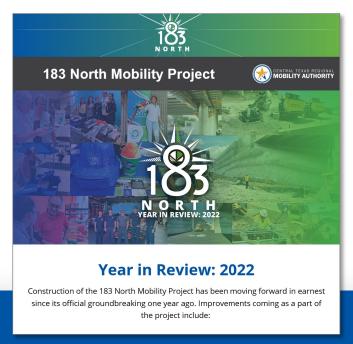
This is an anonymous survey, and your participation is completely voluntary.

Ongoing Public Outreach



Project Newsletter

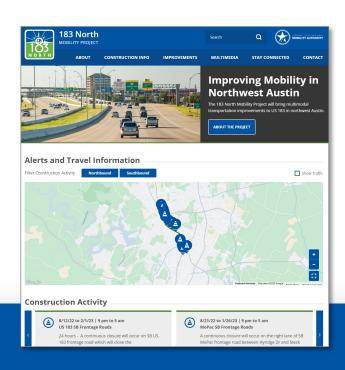
Every Other Month





Project Website

183North.com





Twitter

@183North







AGENDA ITEM #10A-D

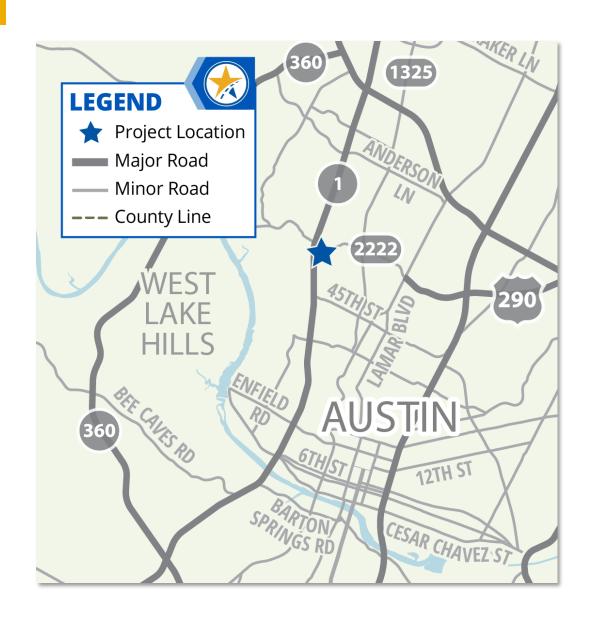
Mike Sexton Acting Director of Engineering

Quarterly Project Updates

- A. 183A Phase III Project
- B. 183 North Mobility Project
- C. MoPac Cemetery Tree Planting Project
- D. Barton Skyway Ramp Relief Project

LANDSCAPING AT MEMORIAL PARK CEMETERY





- Project Description:
 Tree Planting and Irrigation
 System Installation at Austin's
 Memorial Park Cemetery
- Limits: Loop 1 (MoPac) from RM 2222 to Hancock Drive
- Total Project Cost: \$441,000
- Construction Cost: \$333,935
- Notice to Proceed: 01/04/2023
- **Est. Completion:** April 2023

LANDSCAPING AT MEMORIAL PARK CEMETERY



- Current Project Status:
 - » Work began 01/30/2023
 - » Trees Planted & Irrigation System Installed
- Work Underway:
 - **» Vegetation Establishment**
 - » 36 Month Maintenance Period
- Public Outreach:
 - » Ongoing communication with Cemetery, COA, neighboring properties





AGENDA ITEM #10A-D

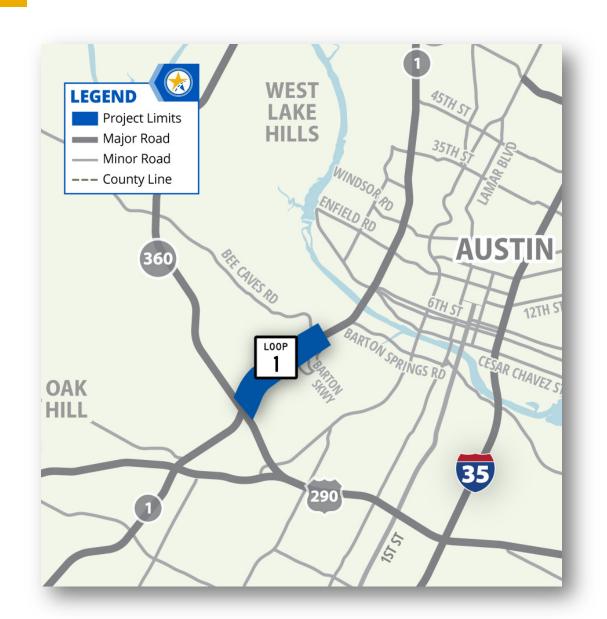
Mike Sexton Acting Director of Engineering

Quarterly Project Updates

- A. 183A Phase III Project
- B. 183 North Mobility Project
- C. MoPac Cemetery Tree Planting Project
- D. Barton Skyway Ramp Relief Project

BARTON SKYWAY RAMP RELIEF

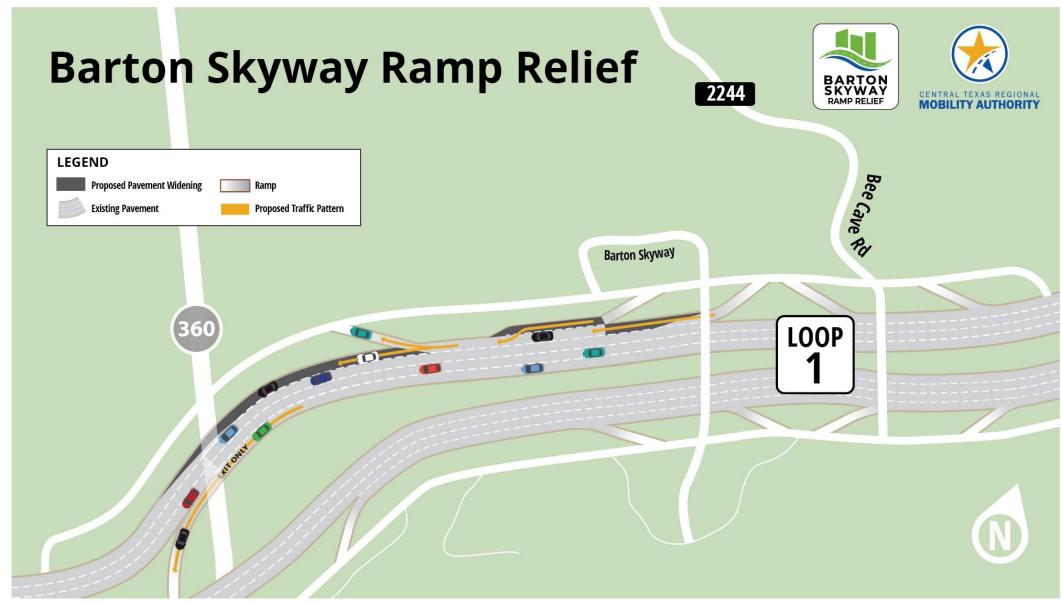




- Project Description: Pavement widening for auxiliary and merge lanes along southbound MoPac
- **Limits:** From Barton Skyway to Loop 360
- Total Project Cost: \$10.1M
- Construction Cost: \$6.9M
- Limited Notice to Proceed: 10/17/2022
- Notice to Proceed: 1/31/2023
- Est. Completion: Early 2024

BARTON SKYWAY RAMP RELIEF PROJECT



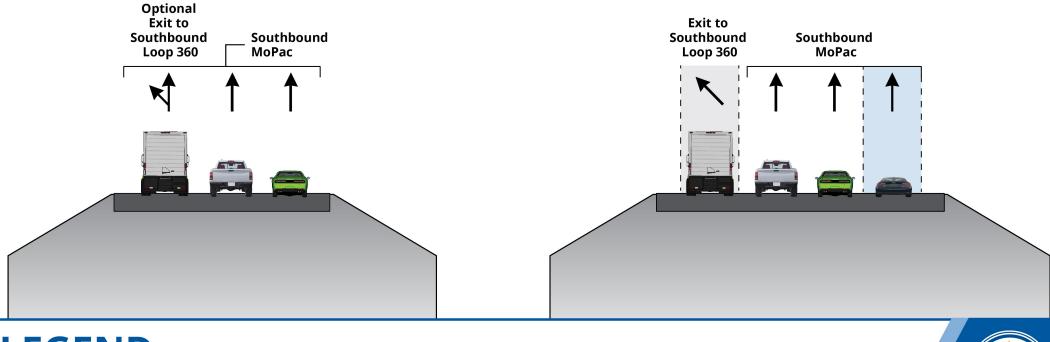


BARTON SKYWAY RAMP RELIEF PROJECT





PROPOSED



LEGEND

↑ Southbound Lane

★ Exit Ramp



Exit Only Lane



New Pavement



BARTON SKYWAY RAMP RELIEF PROJECT STATUS

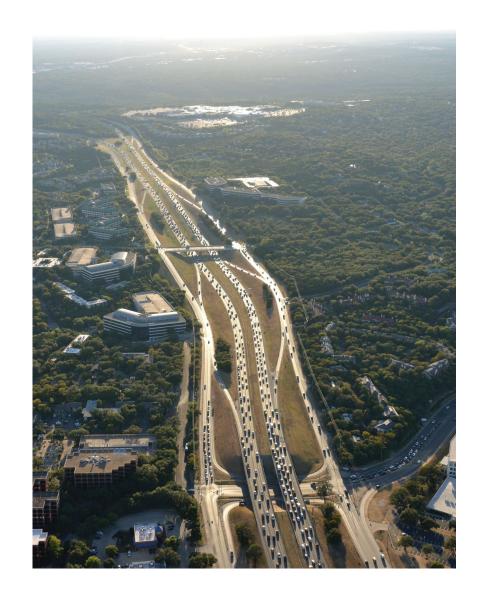


Work Underway:

- » Illumination Poles & Electrical Services
- » Conduits and Wiring
- » Sign Bridge Foundations
- » DMS Sign Relocation
- SB Entrance Ramp from Bee CaveRd ClosureMay 16th June 26th
- SB Entrance Ramp from Barton SkywayClosureJune 29th August 30th

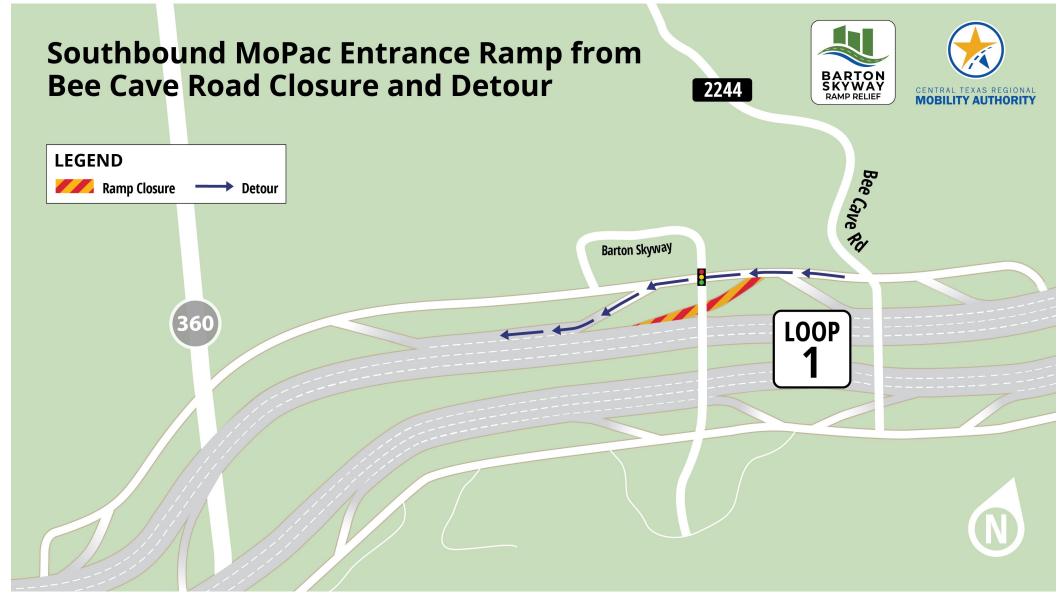
Public Outreach:

- » Construction Updates and Notices
- » Project page on MobilityAuthority.com



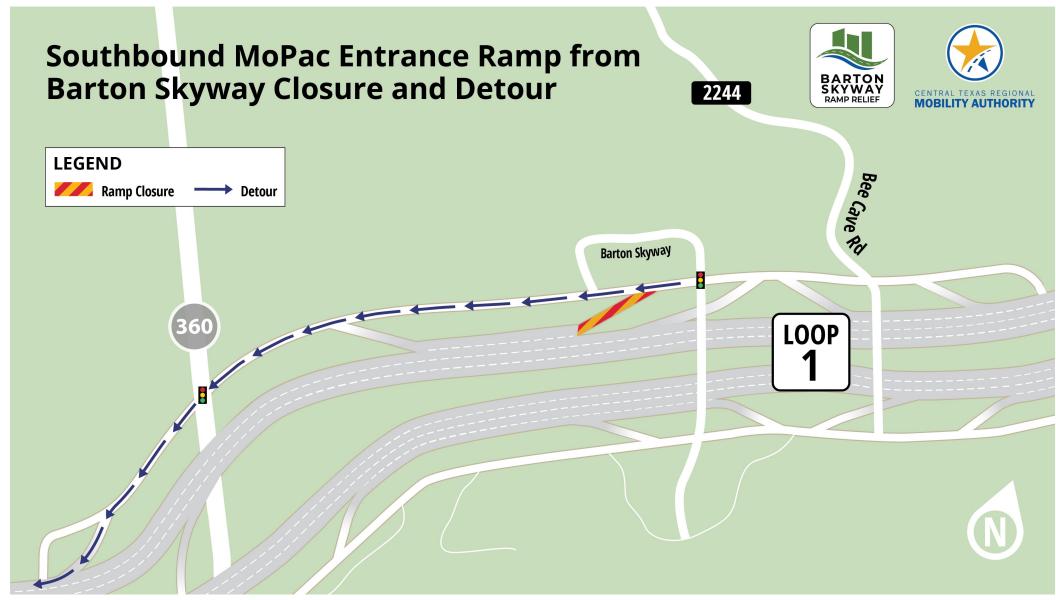
BARTON SKYWAY RAMP RELIEF PROJECT STATUS





BARTON SKYWAY RAMP RELIEF PROJECT STATUS





BARTON SKYWAY RAMP RELIEF PROJECT



Original Contract Amount:	\$ 6,903,147.18
Authorized Changes (Change Order and Amendments)	
Previous Periods:	\$ 0.00
This Period:	\$ 0.00
Current Authorized Contract Amount:	\$ 6,903,147.18
Draw Request 1 (Nov. 2022)	\$ (13,962.00)
Draw Request 2 (Dec. 2022)	\$ (34,293.80)
Draw Request 3 (Jan. 2023)	\$ (17,265.00)
Draw Request 4 (Feb. 2023)	\$ (518,810.60)
Draw Request 5 (Mar. 2023)	\$ (433,065.73)
Total Amount Earned to Date:	\$ (1,017,397.13)
Amount remaining for work to be completed:	\$ 5,885,750.05
Total Percent of Budget Expended through Feb. 2022:	14.7%



AGENDA ITEM #11A

James Bass Executive Director

Executive Director Report

A. Agency performance metrics

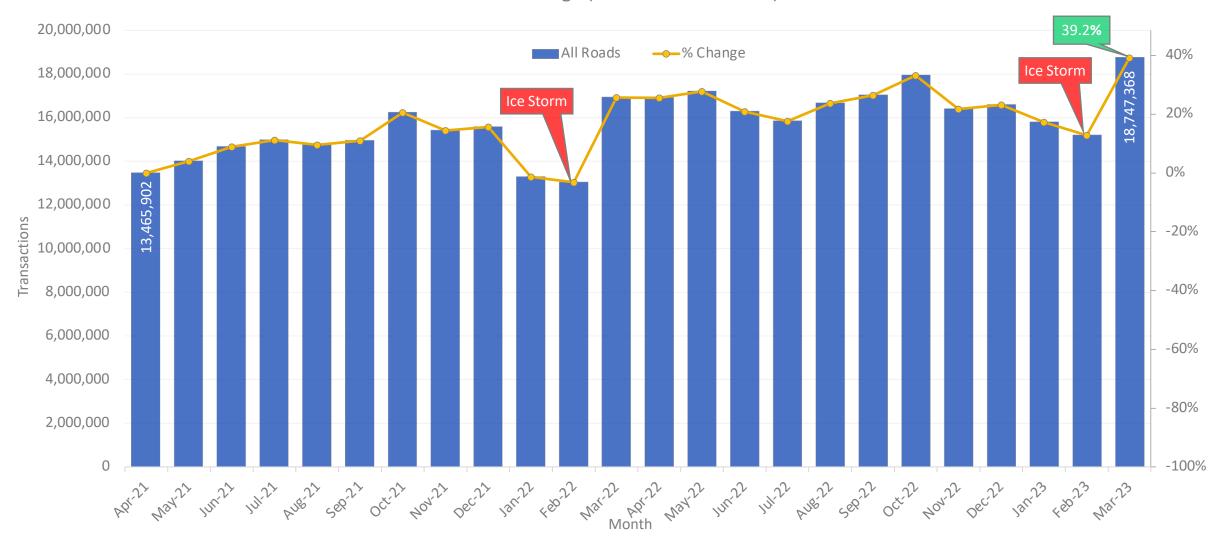
I. Roadway performance

II.Call center performance

Monthly <u>Transaction</u> Trend

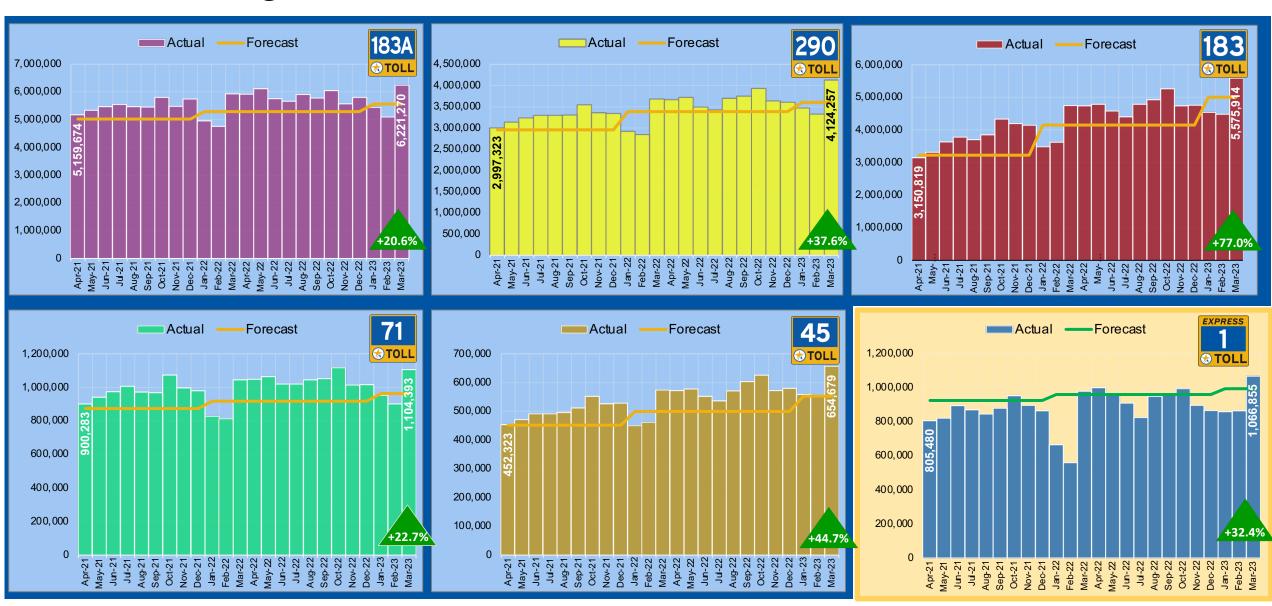
(All Roads)

Percent Change (Over Last 24 Months)



Monthly Transaction Trend by Roadway

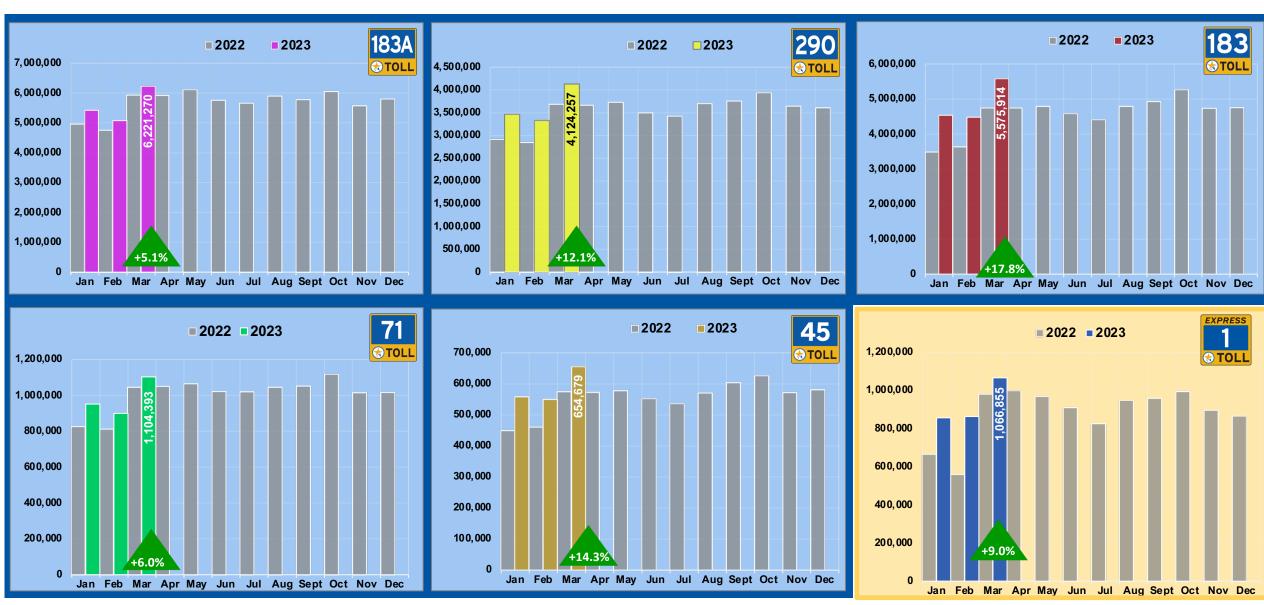
(Percent Change Over Last 24 Months)



Monthly <u>Transaction</u> Trend by Roadway



(Percent Change Over March 2022)





AGENDA ITEM #11A

James Bass Executive Director

Executive Director Report

A. Agency performance metrics

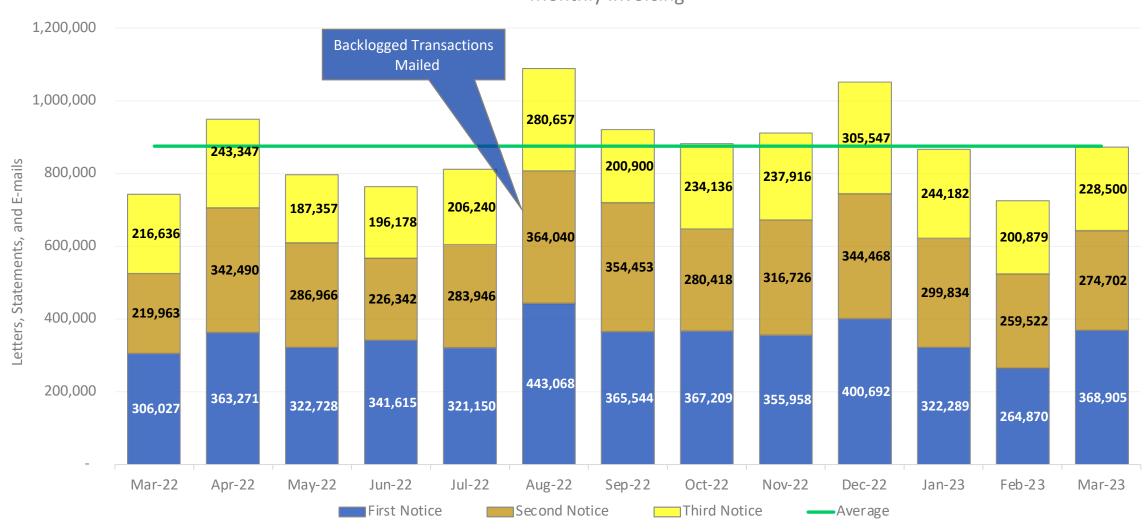
I. Roadway performance

II.Call center performance

CTRMA Invoicing Trends

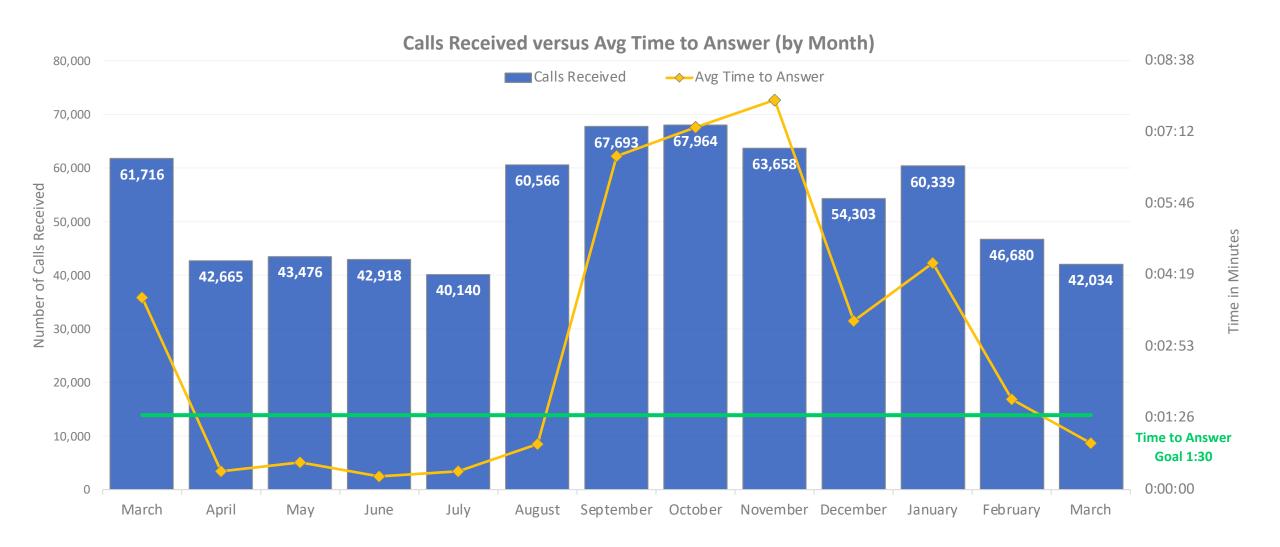






Call Center Performance (Past Year)

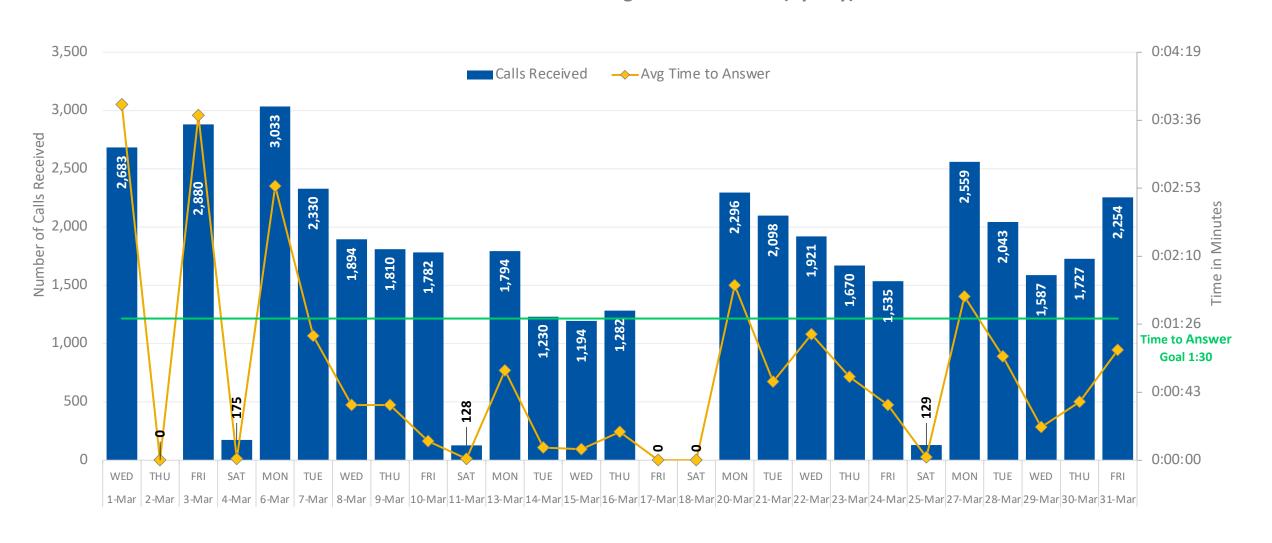




Call Center Performance (Mar. 2022)

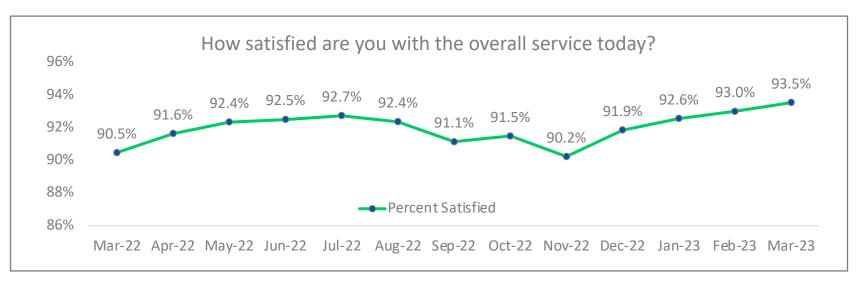


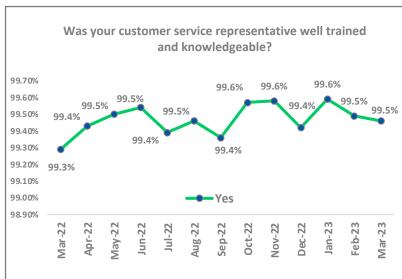
Calls Received versus Avg Time to Answer (by Day)

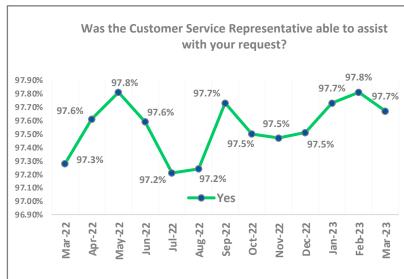


Call Center Customer Satisfaction













EXECUTIVE SESSION



EXECUSTIVE SESSION

ITEMS #12-15

- 12. Discuss the sale, transfer or exchange of one or more parcels or interests in real property owned by the Mobility Authority and related legal issues as authorized by §551.071 (Consultation with Attorney) and §551.072 (Deliberation Regarding Real Property).
- 13. 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).
- 14. Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects and toll system improvements, as authorized by §551.071 (Consultation with Attorney).
- 15. Discuss personnel matters as authorized by §551.074 (Personnel Matters).



REGULAR MEETING OF THE

BOARD OF DIRECTORS

ADJOURN MEETING #16

April 26, 2023