



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

Regular Meeting of the Board of Directors



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

September 11, 2019

A blue-tinted photograph of a road with a sign that reads "NORTH 183 A TOLL". The road is paved and has a concrete barrier on the right side. There are utility poles and a fence in the background. The sky is blue with some clouds.

1. Welcome and opening remarks by the Vice-Chair and members of the Board of Directors



**2. Welcome newly appointed
Chairman and administer
the oath of office**



3. Opportunity for public comment

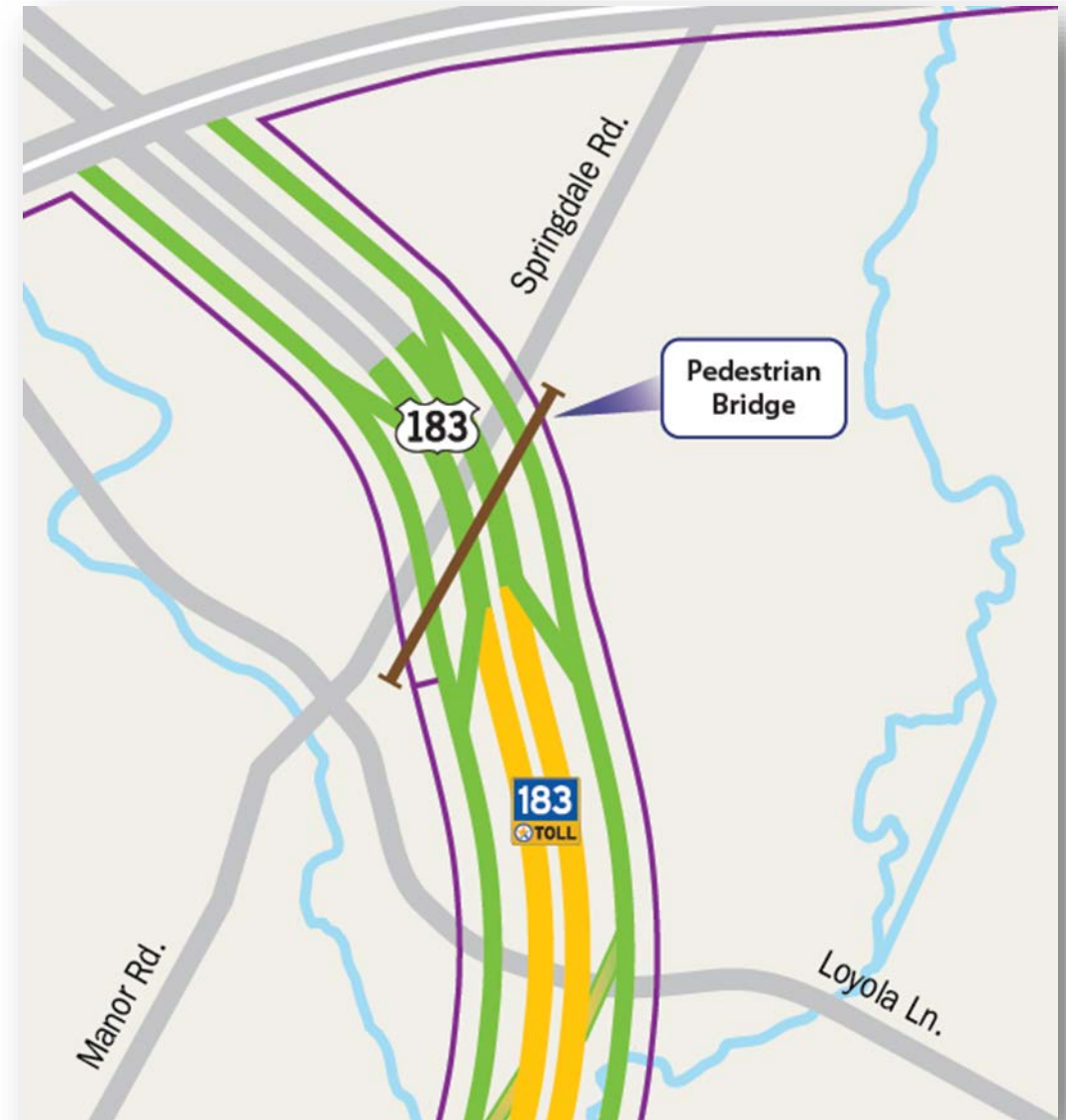
Steve Pustelnyk, Director of Community Relations

4. **Approve a resolution honoring the memory of Lisa Simone Jones in conjunction with completing the new Purple Sage Pedestrian Bridge crossing US 183, part of the Bergstrom Expressway (183 South) Project**

Pedestrian Bridge History



- **Pedestrian bridge constructed in 1991 following 1987 death of LBJ High School student Lisa Simone Jones**
 - City of Austin adopted resolution requesting TxDOT designate the bridge as the “Lisa Simone Jones Memorial Overpass”
 - June 20, 1992: Community dedication event held at pedestrian bridge
- **Over the years, pedestrian deaths continued to be an issue in the area around the pedestrian bridge**



Focus on Pedestrian Safety



- **Mobility Authority committed to improving safety and minimizing pedestrian deaths on new 183 South**

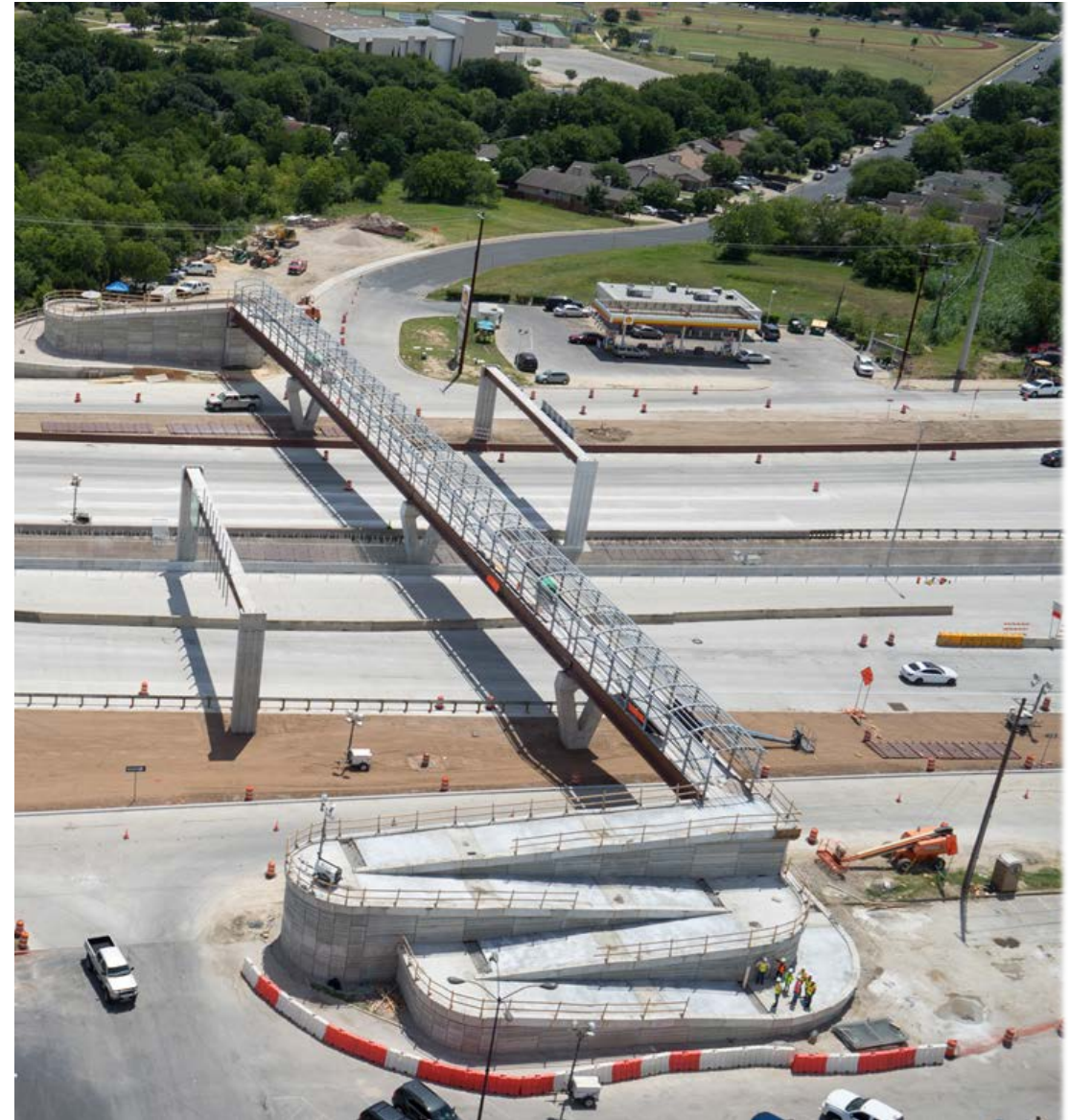
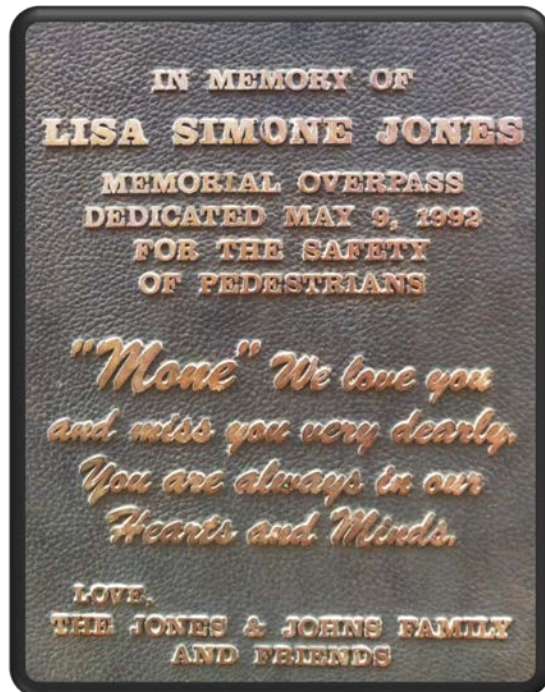
- Original pedestrian bridge replaced as part of 183 South project
- Aesthetic pedestrian fencing added to encourage bridge use
- Family of Lisa Jones requested old memorial plaque be installed on new bridge



Proposed Action



- Honor Lisa Jones with a resolution in support of mounting her memorial plaque on the new Purple Sage Pedestrian Bridge





Consent Agenda

5. Approve the minutes from the July 24, 2019 Regular Board Meeting
6. Approve Amendment No. 2 to the interlocal agreement with the City of Austin for utility betterments on the Bergstrom Expressway (183 South) Project



Mary Temple, Controller

7. Accept the unaudited financial statements for July 2019



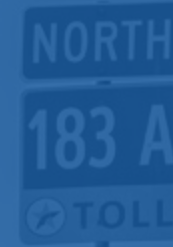
Justin Word, P.E., Director of Engineering

8. **Approve an interlocal agreement with Travis County for the development of certain transportation projects identified in Travis County's 2017 Bond Program**



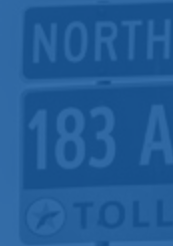
William Chapman, Chief Financial Officer

9. **Approve a cost of living adjustment for Mobility Authority retirees and adopt a retirement benefits policy**



William Chapman, Chief Financial Officer

10. Authorize reimbursement of financing expenditures for the 183A Turnpike



Justin Word, P.E., Director of Engineering






11. Add the 183 North Mobility Project to the Mobility Authority Turnpike System




The Central Texas Regional Mobility Authority Story






OPEN TO TRAFFIC / UNDER CONSTRUCTION

	<u>TPC</u> (1)	<u>MPO</u>	<u>RMA</u>
 →	\$349 M	\$ 65 M	\$224 M \$ 60 M
 →	\$402 M	\$127 M	\$275 M
 →	\$140 M	\$ 80 M	\$ 60 M
 →	\$743 M	\$147 M	\$596 M
SOUTH Phase III (130 Dir Connect)			
 →	\$127 M	\$ 41 M	\$ 86 M

System TBD	 →	\$109 M	\$ 29 M	\$ 20 M \$ 60 M
	 →	\$233 M	\$ 70 M	\$163 M (2)

SUB TOTAL* **\$2.10 B** **\$559 M (3)** **\$1.54 B (4)**

UNDER DEVELOPMENT

	<u>TPC</u>	<u>MPO</u>	<u>RMA</u>
Phase I  →	\$500 M	\$111M (5)	\$389 M
 →	\$540 M	\$ 16 M	\$524 M
Phase III (Extension)  →	\$260 M	\$ -	\$260 M
SUB TOTAL**	\$1.30 B	\$127 M (3)	\$1.17 B (4)

	<u>TPC</u>	<u>MPO</u>	<u>RMA</u>
SUB TOTAL*	\$2.10 B	\$559 M (3)	\$1.54 B (4)
SUB TOTAL**	\$1.30 B	\$127 M (3)	\$1.17 B (4)
TOTAL	\$3.40 B	\$686M (3)	\$2.71 B (4)

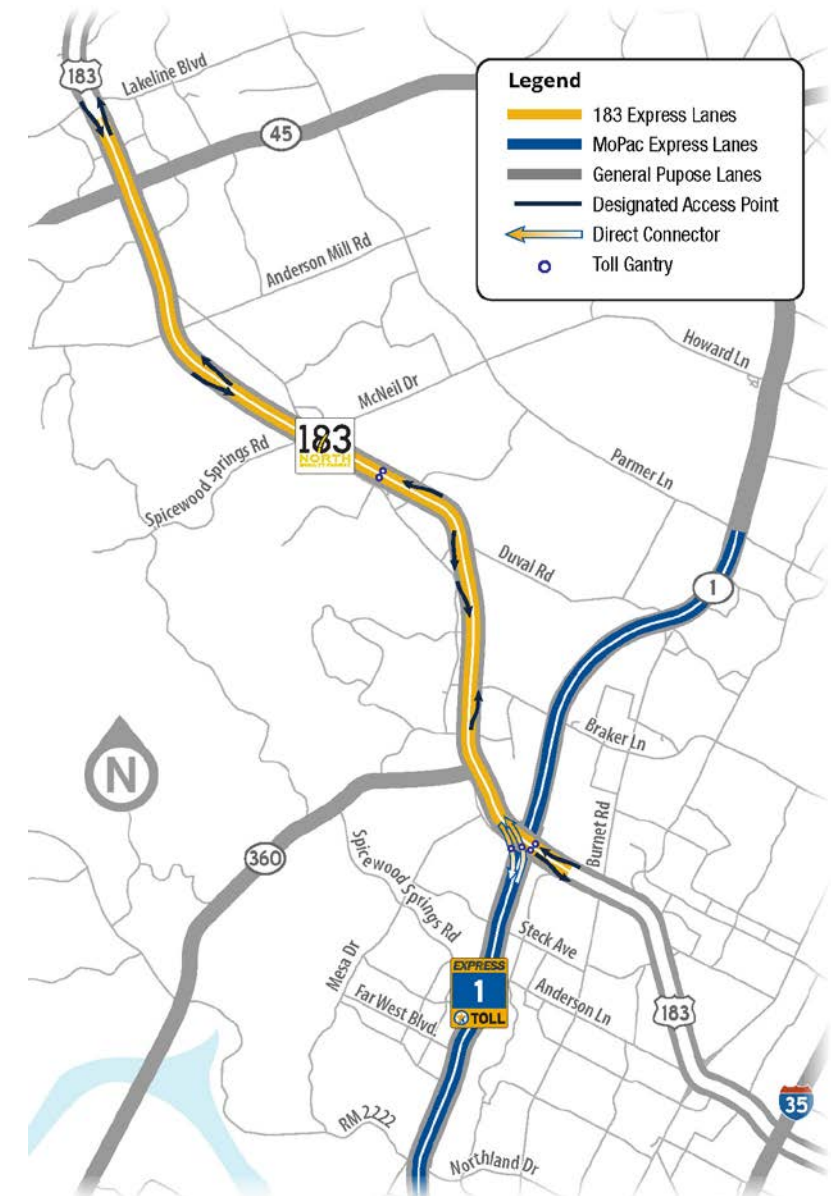
- (1) - TPC – Total Project Cost
- (2) – Includes \$130 M loan from MPO
- (3) – Grant money provided by MPO/TxDOT
- (4) - CTRMA Obligations (includes \$180 M in loans from TxDOT)
- (5) - \$104 M Non-tolled elements funded by TxDOT; \$7 M previously committed

183 North Mobility Project – SH 45 to MoPac



■ Current CTRMA Turnpike System

- 183A Phase I, II, III
 - Manor Expressway (290 East) Phase I, II, III
 - Bergstrom Expressway (183 South Project)
 - SH 71 Toll
-
- **183 North project limits: North of SH 45 to east and south of Mopac**
 - **Staff recommends that the Board add the 183 North Project to the system**



Justin Word, P.E., Director of Engineering

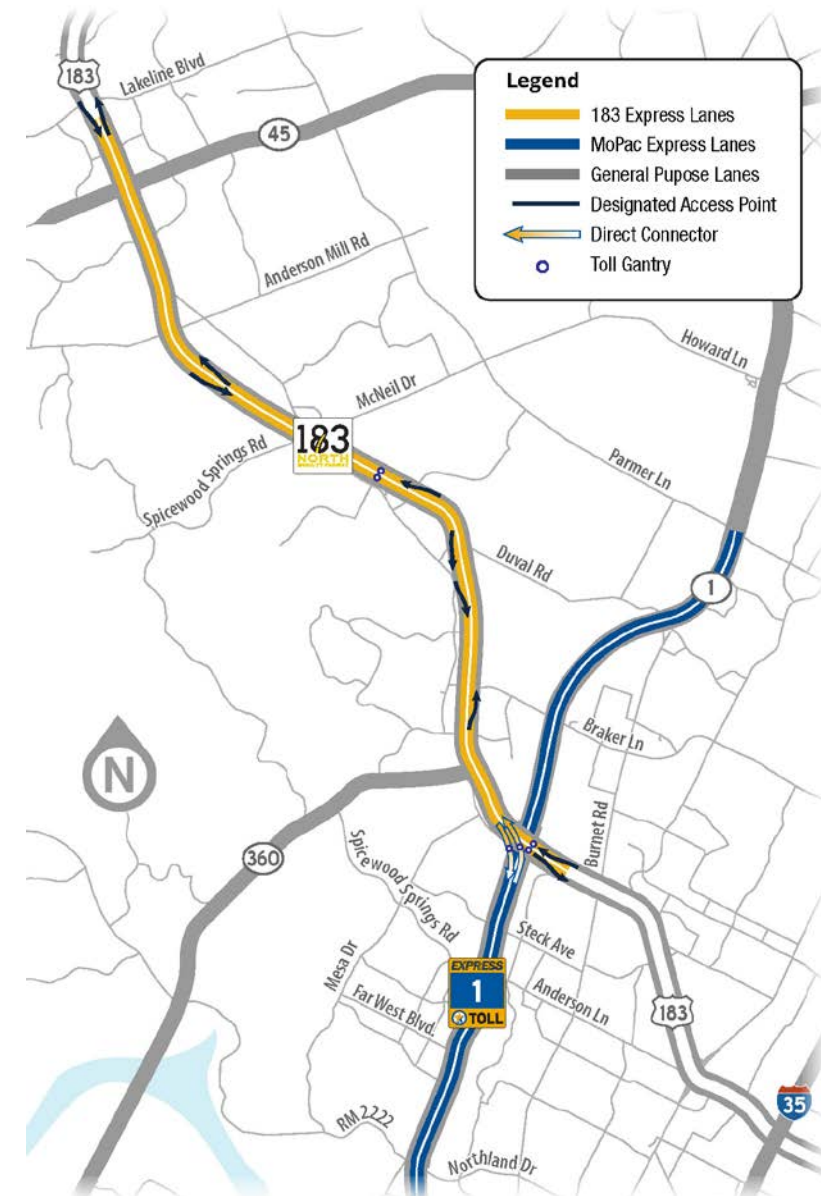
12. Authorize the Executive Director to negotiate and execute a Project Development Agreement with TxDOT for the 183 North Mobility Project



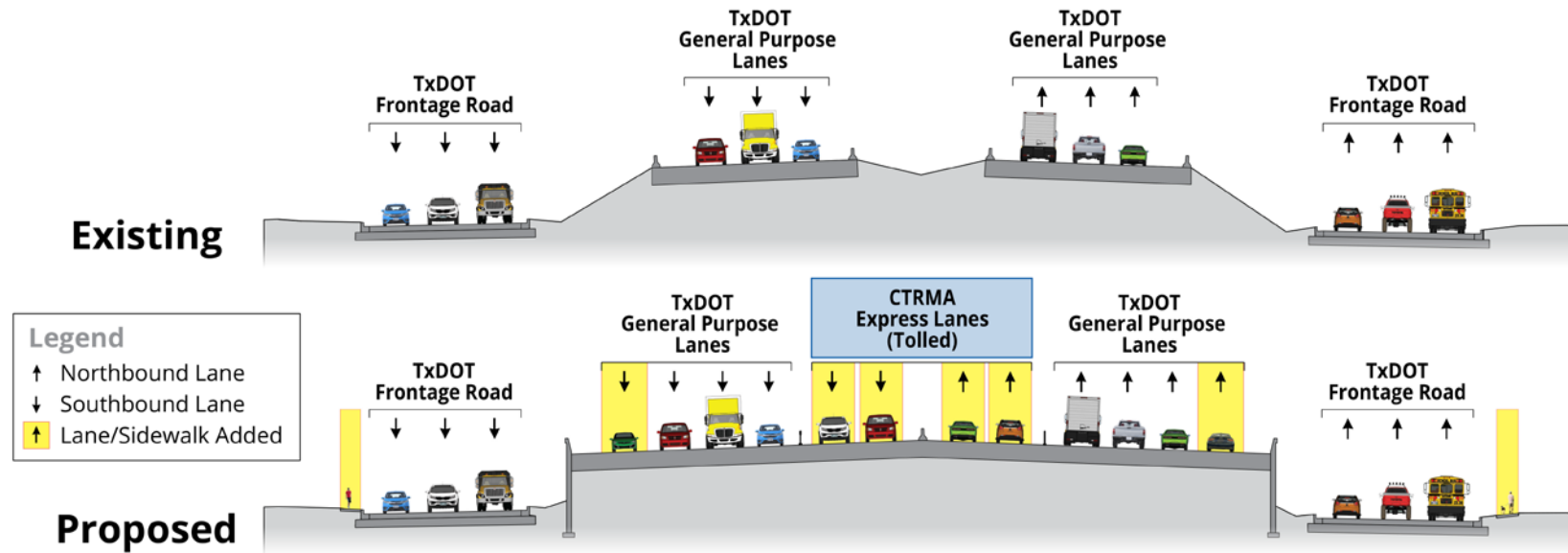
183 North Mobility Project



- **Project Limits: SH 45 to State Loop 1 (MoPAC)**
- **Project Length: 9 miles**
- **Total Project Cost: \$500 Million**
- **Project Status: Design-Build Procurement**

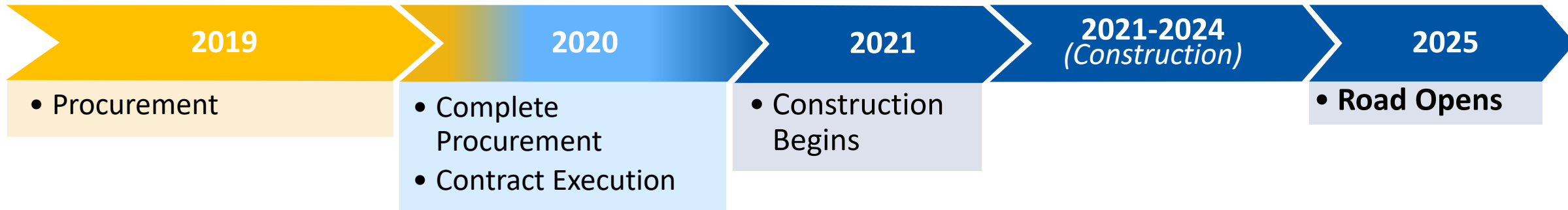


183 North Mobility Project Scope



- Mobility Authority improvements within TxDOT ROW create joint facility
- Two express lanes in each direction and widening to four non-tolled lanes in each direction
- Improvements on MoPac including a flyover ramp linking the MoPac Express Lanes to the 183 North Express Lanes
- Bicycle and pedestrian improvements

183 North Mobility Project Timeline



-  Procurement & Contractor Selection
-  Contract Negotiation
-  Design and Construction

RFQ: Request for Qualifications
RFDP: Request for Detailed Proposal

Purpose of Project Development Agreement (PDA)



- **Recognizes that improvements are within TxDOT's state highway system**
- **Establishes respective commercial obligations of the Mobility Authority and TxDOT**
- **Covers key phases of procurement, design, and construction delivery**
- **Describes the relationship between TxDOT's and Mobility Authority's future roadway assets**
- **Encapsulates relative funding arrangements and reimbursement terms**
- **Establishes administration, communications, and reporting protocols**



- **Staff recommends the Board authorize the Executive Director, in consultation with the Board Chairman, to negotiate and execute a Project Development Agreement with TxDOT**

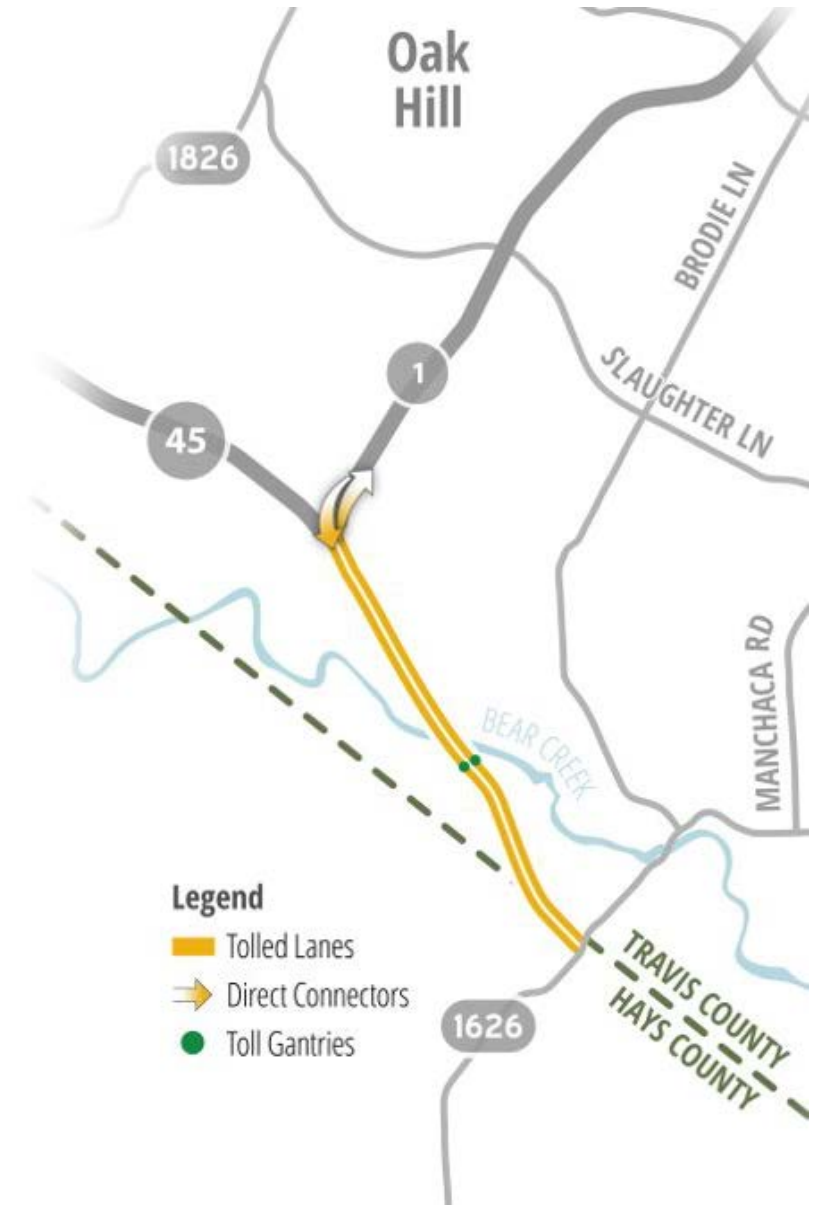
13. Approve Change Order No. 23 to the contract with McCarthy Building Companies, Inc. for construction of the SH 45SW Toll Project



45SW Design/Bid/Build Project



- **Project Limits: FM 1626 to State Loop 1 (MoPac)**
- **Project Length: 3.6 miles**
- **Total Project Cost: \$109 Million**
- **Project Status: Complete**





Rock crushing and material sorting operations on 45SW

- **Differing Site Conditions**
 - Substantially and materially different site conditions
 - Contract documents indicated solid rock
 - Actual conditions were loose rock, up to 8' diameter boulders
 - Contract requirements stipulated material must remain on-site
 - Unplanned rock crushing operation required to process boulders
 - Environmental limitations lead to excessive trucking within the site



■ **Project Impacts**

- Adds \$1,570,580.74 to McCarthy contract
- No time extension associated with this change

Change Order #023 – Differing Site Conditions



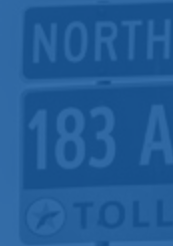
	EXECUTED CONTRACT VALUE	\$75,103,623
	Total Project Contingency	\$7,520,000
Obligations	CO#4 Installation of PEC and TWC Conduits	\$458,439
	CO#5 Installation of SSTR Drilled Shafts and Moment Slab	\$538,945
	All other change orders less than \$300,000 (20)	\$377,375
	EXECUTED CHANGE ORDERS	\$1,374,759
	Change Orders in Negotiations	\$2,119,304
	Potential Contractual Obligations	\$2,206,436
	Total Project Obligations	\$5,700,498
	Remaining Project Contingency	\$1,819,502



- **Staff recommends approval of Change Order #023**
 - Approval will provide an additional \$1,570,580.74 to McCarthy Building Companies for construction services on 45SW Toll given conditions were substantially and materially different than those indicated in contract documents and were not anticipated at the time of the contract bid

Robert Goode, P.E., Deputy Executive Director

14. Authorize the Executive Director to execute Work Authorizations for previously approved contracts with the Mobility Authority



- 15. Approve Work Authorization No. 9 with Fagan Consulting LLC for general systems consulting services related to procurement of a toll system integrator and ITS integrator, monthly lane audits, and support for prepaid accounts and transponder tag initiatives**





- **Fagan Consulting LLC has served as the Mobility Authority's general system consultant since 2014**
- **Fagan Consulting provides a wide range of services to the Mobility Authority in the areas of toll systems expertise, strategic guidance and operational recommendations**
- **In July 2019 the Board approved a one year contract extension to allow for continuation of key revenue-impacting initiatives at a total cost not to exceed \$1,318,626 – the amount specified for General Systems Consultants services in the approved FY 2020 budget**

Fagan WA No. 9 Overview



Toll System Integrator procurement development	\$	444,308.80
ITS Integrator procurement development	\$	354,500.00
Monthly lane audits	\$	183,520.00
Prepaid account interoperability	\$	71,453.48
Tag services provider deployment support	\$	134,962.24
General toll systems consulting services support	\$	129,814.00
TOTAL NOT TO EXCEED COST	\$	1,318,558.52

Proposed Action



- **Staff recommends approval of Work Authorization No. 9 with Fagan Consulting LLC for general toll systems consulting services**

Tracie Brown, Director of Operations

16. **Qualified Veteran Discount Program Update**



Program Overview

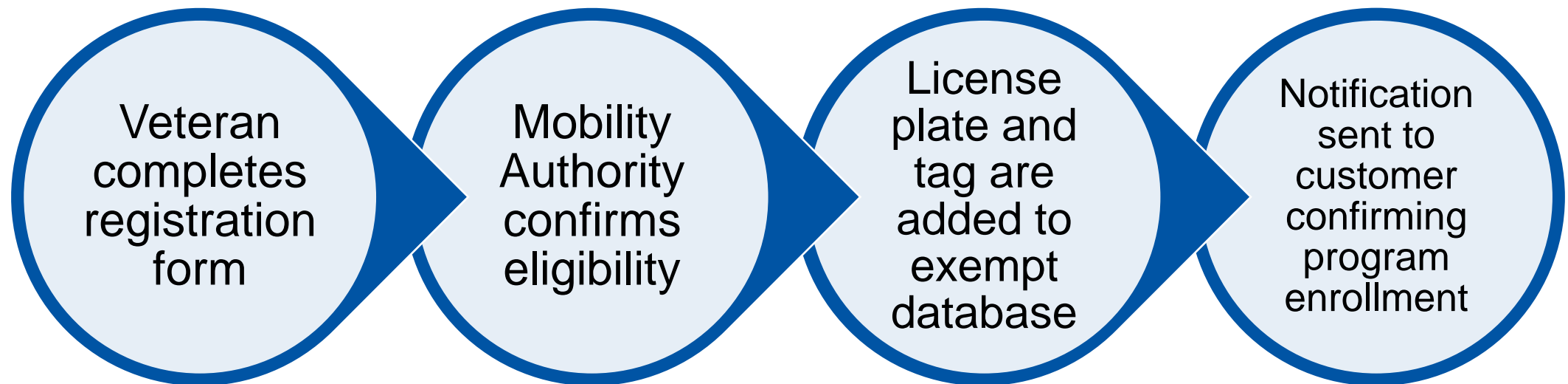


- **Implemented November 1st, 2018**
- **Qualifying Texas license plates are Disabled Veteran, Purple Heart, Congressional Medal of Honor and Legion of Valor**
- **Participants receive toll-free passage on all Mobility Authority operated roads, except MoPac Express Lanes**
- **Participation is limited to one (1) qualifying vehicle per veteran**

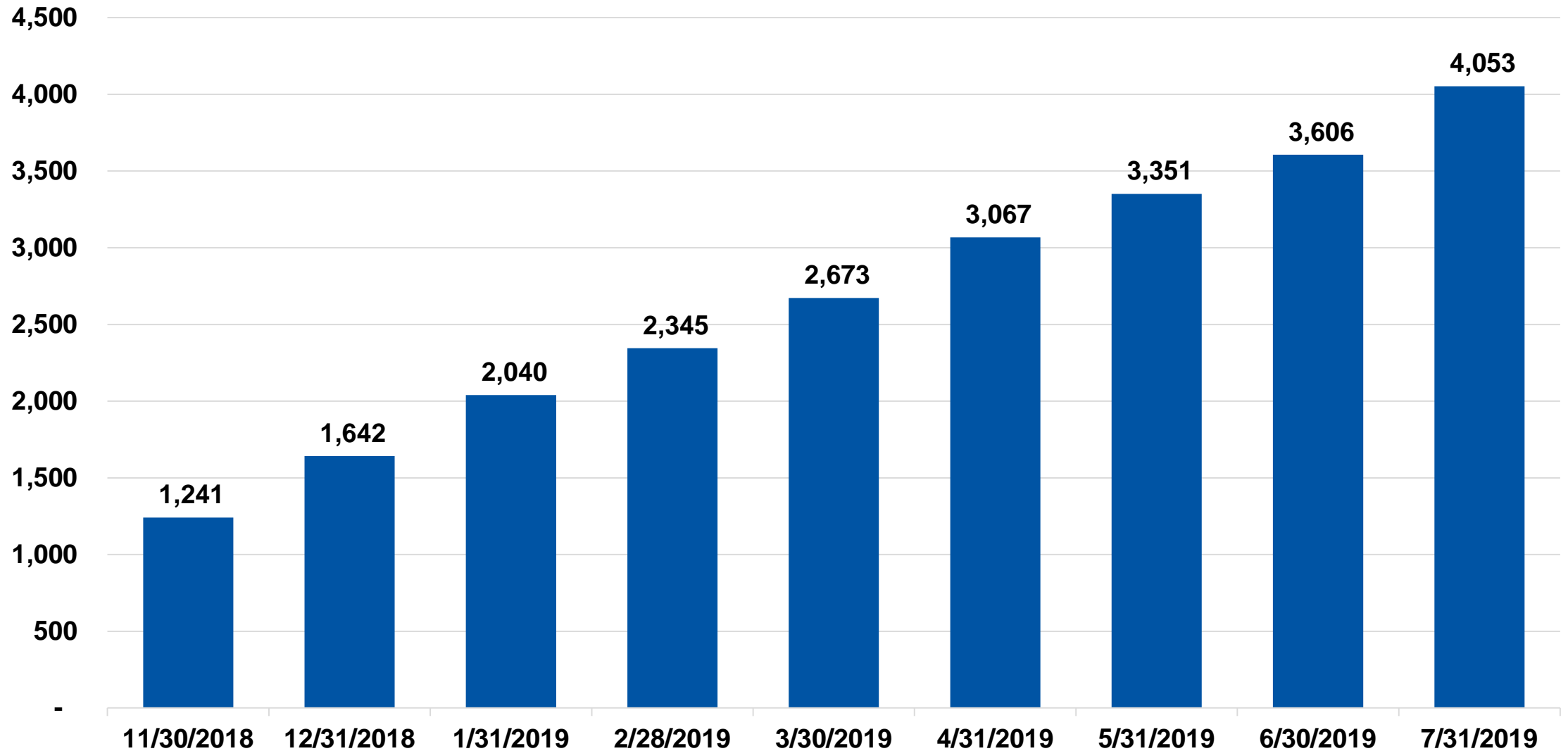


QUALIFIED
VETERAN
DISCOUNT PROGRAM

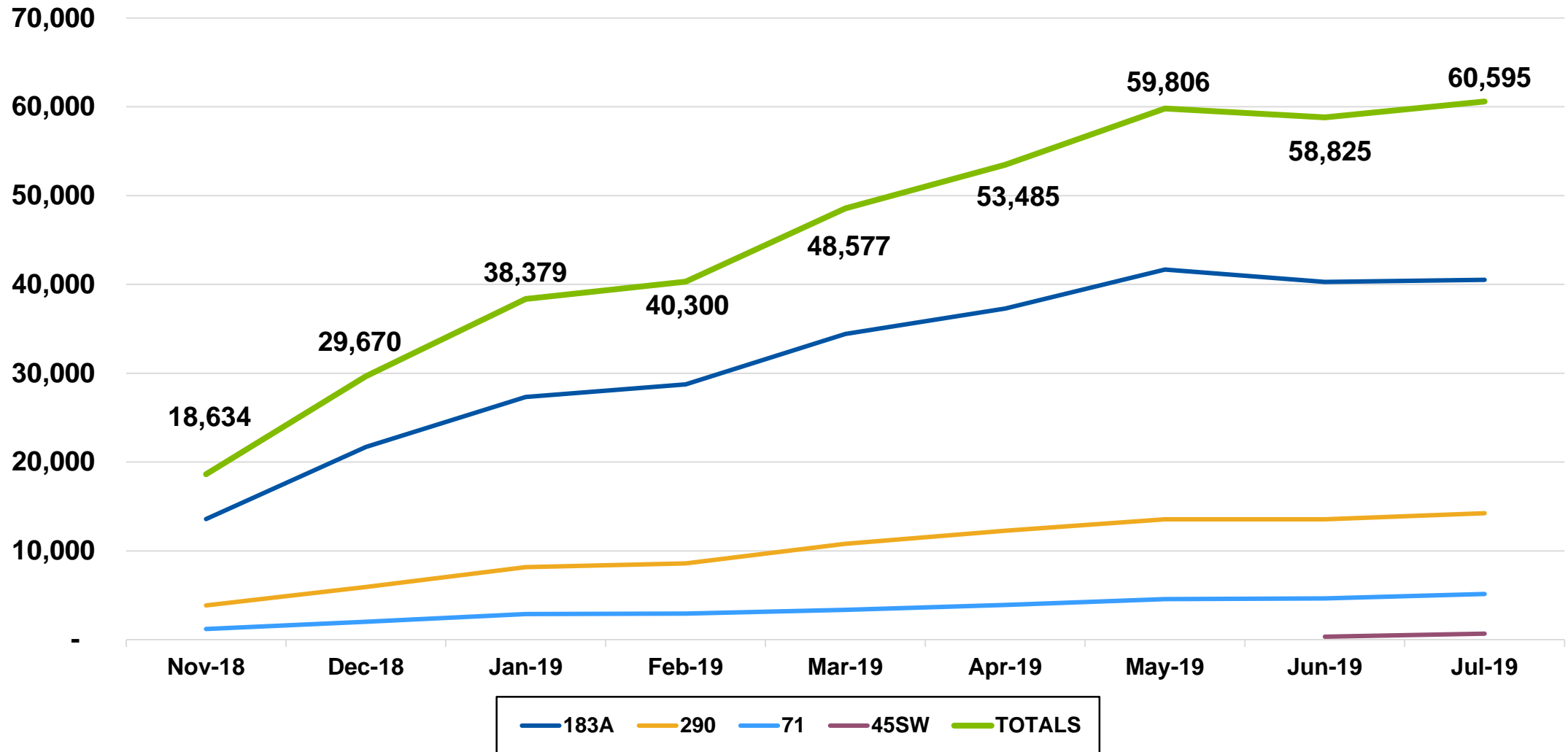
Process Overview



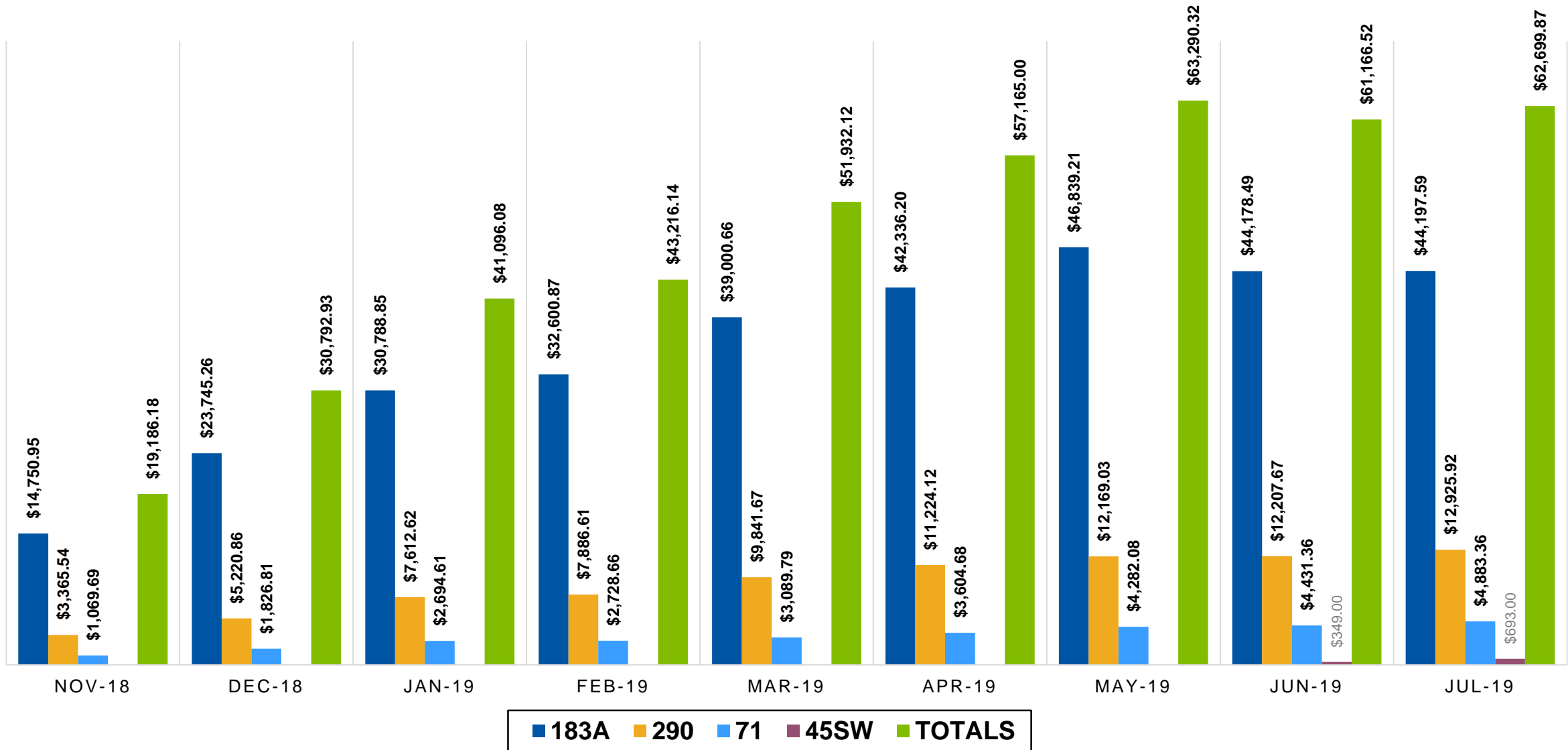
Veteran Program Registered Vehicles (Cumulative)



Veteran Program Transactions By Roadway



Veteran Program Revenue Impact (by month)



Mike Heiligenstein, Executive Director

17. **Executive Director Report**

- A. Board Workshop
- B. 183 South Phase I Opening
- C. Regional Infrastructure Fund Payment
- D. SH 45SW Loan Refinancing
- E. 183A Phase III Environmental Approval
- F. Austin Chamber Transportation Summit - October 7, 2019
- G. Frances B. Allen Memorial Plaque, MoPac



Executive Session

18. 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)

19. Discuss legal issues relating to procurement and financing of Mobility Authority transportation projects, as authorized by §551.071 (Consultation with Attorney)

20. Discuss personnel matters as authorized by §551.074 (Personnel Matters)



21. Adjourn Meeting





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Thank You

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