



**CENTRAL TEXAS**  
**Regional Mobility Authority**

# Welcome and opening remarks by the Chairman and members of the Board of Directors

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## Agenda Item #1

November 8, 2017



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# Opportunity for public comment

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## Agenda Item #2

November 8, 2017



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# Regular Items

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## Agenda Items #3-9

November 8, 2017



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# Approve the minutes from the September 26, 2017 Special Called Board meeting

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## Agenda Item #3

Geoff Petrov, General Counsel

November 8, 2017



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Regional Mobility Authority

# Accept the financial statements for September 2017

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## Agenda Item #4

Mary Temple, Controller

November 8, 2017



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Regional Mobility Authority



# Approve the annual compliance report to the Texas Department of Transportation required by 43 Texas Administrative Code §26.65

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## Agenda Item #5

Mary Temple, Controller

November 8, 2017



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Regional Mobility Authority



# Consider and, potentially, modify the annual toll rate escalation for the CTRMA Turnpike System

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## Agenda Item #6

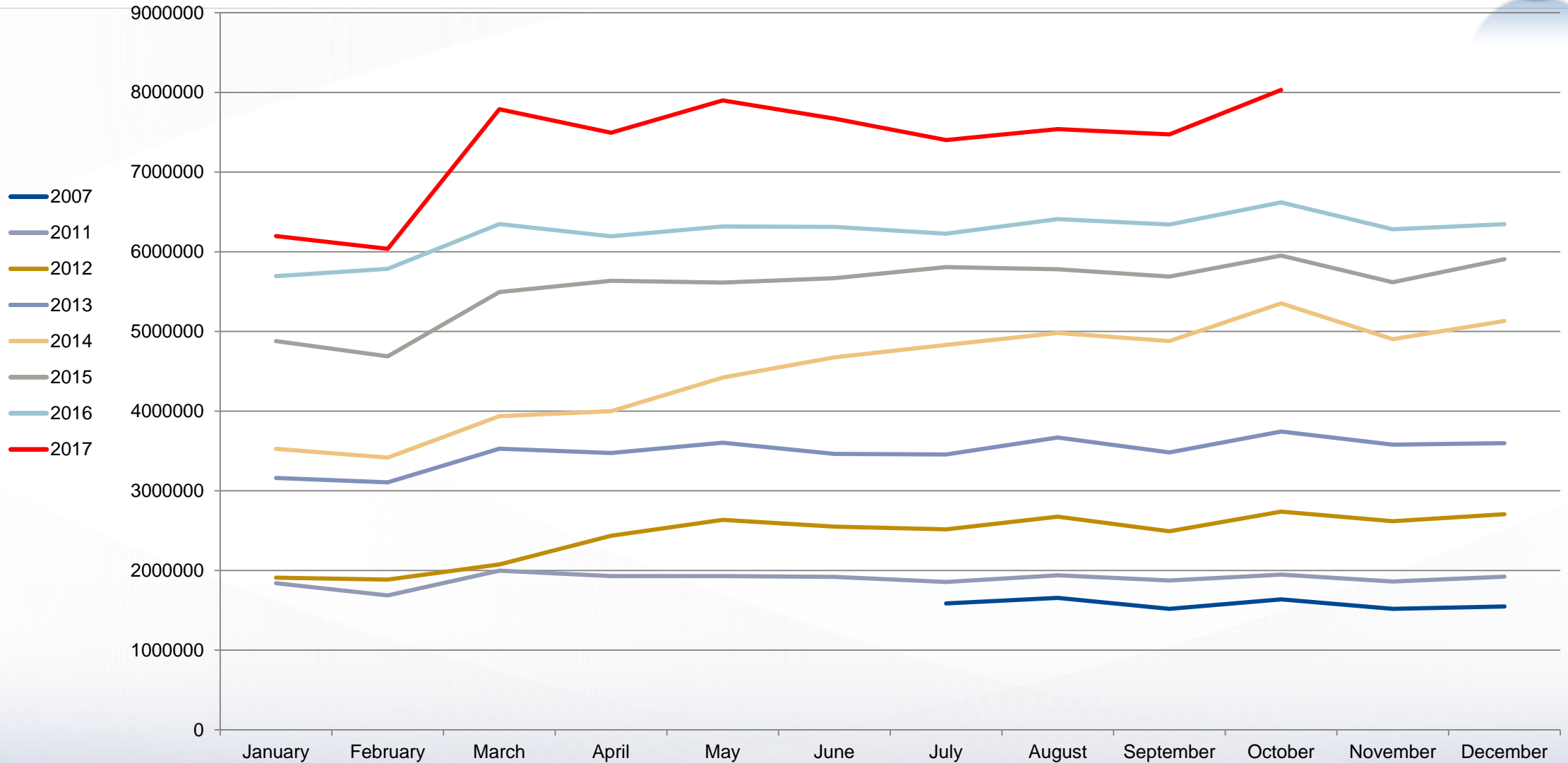
Bill Chapman, Chief Financial Officer

November 8, 2017



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# Total System Transactions





# Approve an interim loan from Regions Commercial Equipment Finance, LLC for the settlement related to the MoPac Improvement project

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## Agenda Item #7

Bill Chapman, Chief Financial Officer

November 8, 2017



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# Authorize procurement of professional engineering design services for the 183A Phase III Project

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## Agenda Item #8

Justin Word, P.E., Director of Engineering

November 8, 2017



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# Project Description & Background



## ***Project Description***

- The Central Texas Regional Mobility Authority is proposing to extend the existing 11.6 mile 183A Toll Road north from Hero Way to SH 29.
- The 5.3 mile proposed roadway will have up to three tolled lanes in each direction.
- The proposed highway will be located within the existing TxDOT right-of-way within the median of the existing US 183 corridor.

## ***Background***

- Phase I (opened March 2007) – 11.6 miles of the tolled facility from RM 260 to New Hope Drive and 7.5 miles of non-tolled frontage roads from RM 1431 to the South Fork San Gabriel River
- Phase II (opened April 2012) – Extended tolled mainlanes approximately 5 miles north from RM 1431 to Hero Way







## ***Planning for Future Needs***

- Accommodating Community Growth
  - Unprecedented growth in region
    - Cedar Park: 400% growth in last 10 years
    - Leander: 56% growth in last 6 years
    - Liberty Hill: 73% growth in last 6 years
  - Major developments
    - ACC & St. David's Medical Center
- Travel Demand
  - Average annual daily traffic (AADT) growth of 166% over 25 years



Source: <http://sites.austincc.edu/bond/leander-campus-updates/>



Source: Communityimpact.com

## ***Purpose***

- Facilitate congestion management to meet the needs of community growth and travel demand





## Design Services for 183A Phase III PROJECT TIMELINE





## ***Previous Board Action***

***July 27, 2016***

Reimburse expenditures made for 183A Phase III from future bond proceeds

***November 30, 2016***

WSP Work Authorization No. 5 for general engineering services to prepare Environmental Assessment and Schematic Design

***April 26, 2017***

Negotiation and execution of design phase Project Development Agreement with the Texas Department of Transportation

## ***Future Board Action Requests***

***December 2017***

Amendment to WSP Work Authorization No. 5 for the general engineering services to provide oversight to the design consultant to prepare the design

***Spring 2018***

Award and negotiate and execute Professional Services Agreement and Work Authorization for design consultant

***Late 2018***

Exercise the option of the Mobility Authority under state law to develop, finance, construct, and operate the 183A Phase III Project as a toll project and add 183A Phase III to the Mobility Authority Turnpike System

# Recommendation for awarding a contract for General Engineering Consulting services

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## Agenda Item #9

Justin Word, P.E., Director of Engineering

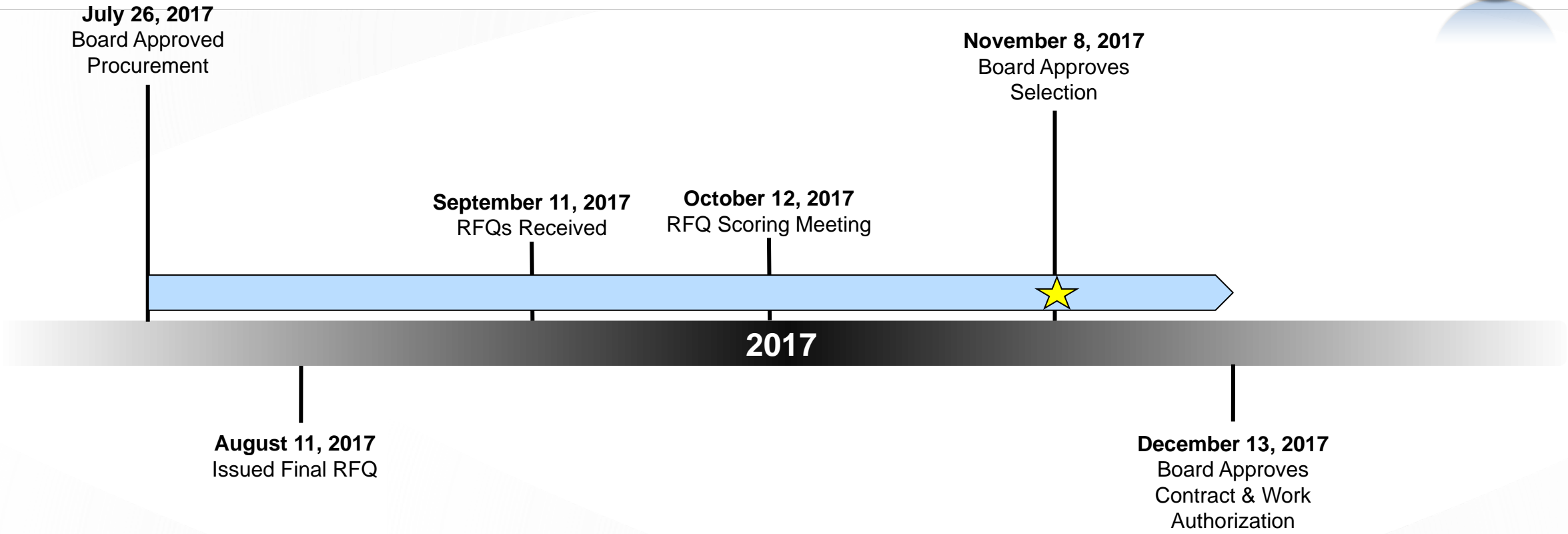
November 8, 2017



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# GEC Procurement Schedule



**LEGEND**





- **We evaluated two responses**
  - Atkins North America
  - Johnson, Mirmiran & Thompson, Inc. (JMT)





- **RFQ Phase – 100% of total score**

**Experience of Firm | 20%**

**Approach to Services | 35%**

**Staffing | 35%**

**DBE Participation | 10%**

**Based on RFQ scoring, interviews were deemed unnecessary**



**XXX**

**SUBCONSULTANTS**

XXX

XXX (DBE)

XXXX (DBE)

XXXX

**COMMITTED XXXX% OF CONTRACT TO DBE FIRMS**



# Briefings and Reports

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## Agenda Items #10-11

November 8, 2017



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Regional Mobility Authority

# MoPac Improvement Project monthly report

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## Agenda Item #10

Steve Pustelnyk, Director of Community Relations

November 8, 2017



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# Express Lane Videos





- **122 calls and emails answered in October**

- Most common topics

- Status of sound wall completion
- Questions about the new Express Lanes
- Issues with new ramp configuration at Enfield Road/Winsted Lane
- Issues with lane closures and construction activities



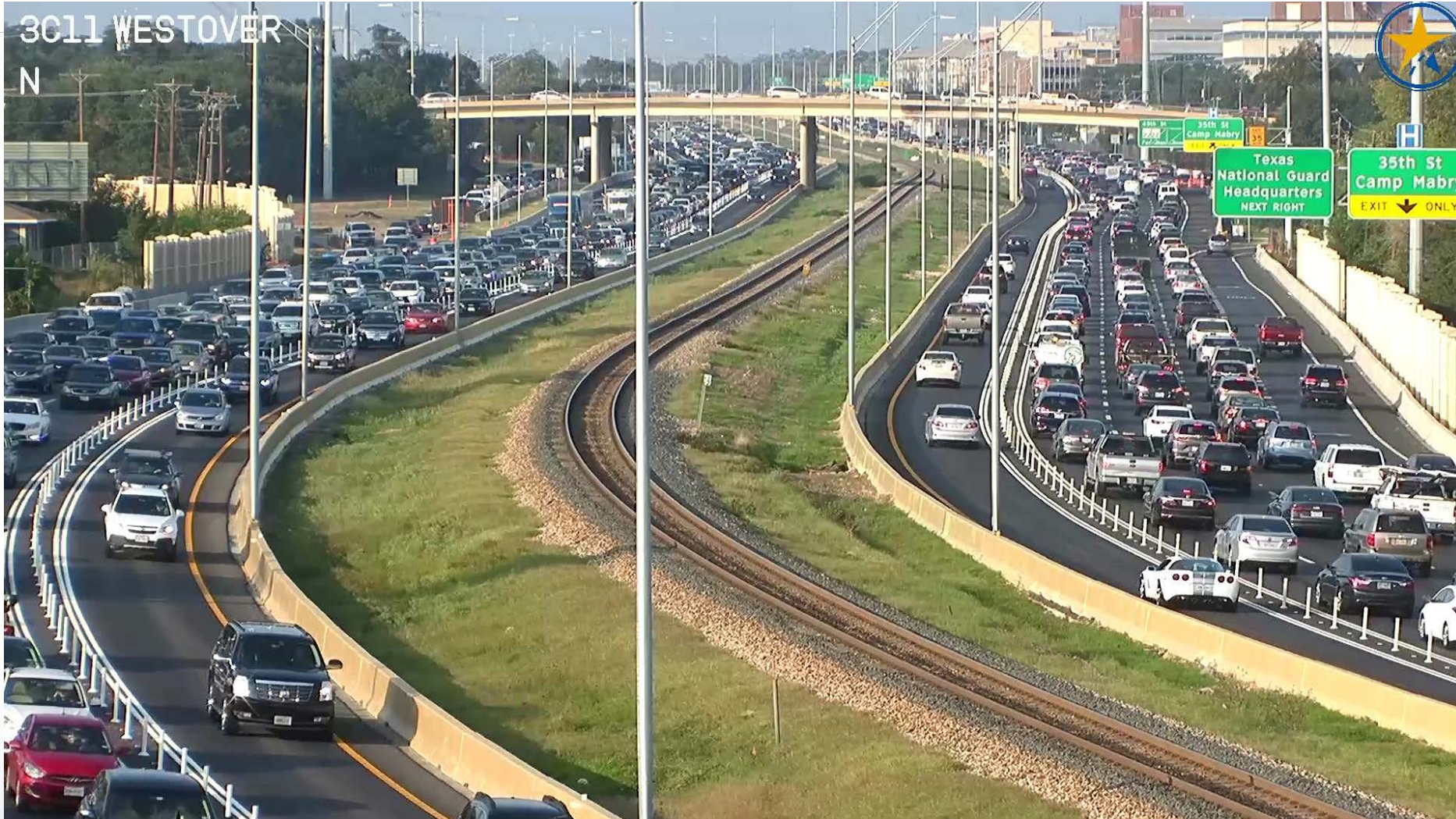


- Existing routes to start using Express Lane in November
- New routes to be added in January 2018
- Working on Co-Promotion opportunities with Capital Metro
- Partnering with Capital Metro on promotional video of Express Buses using Express Lane





# Express Lane Performance Data







- **CH2M to complete remaining work by Summer 2018**

- Roadway – bridge joints, painting, small signs
- Sound Walls
- Cross Streets - landscape walls and sidewalks
- Final grading and restoration
- Project Acceptance – late 2018







- Shared use path at US 183 and Shoal Creek
- Sound Walls
  - New wall at Westminster - northbound between 35th St. and 45th St.
  - Realign wall at RM 2222 – southbound between RM 2222 and Hancock
- Add aesthetic detail (caps and rails) on two existing sound walls
- Advertise / Award – February / March
- Completion – late 2018



# Quarterly update on transportation projects under construction

## A. 183 South Project

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### Agenda Item #11A

Justin Word, P.E., Director of Engineering

November 8, 2017



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Regional Mobility Authority





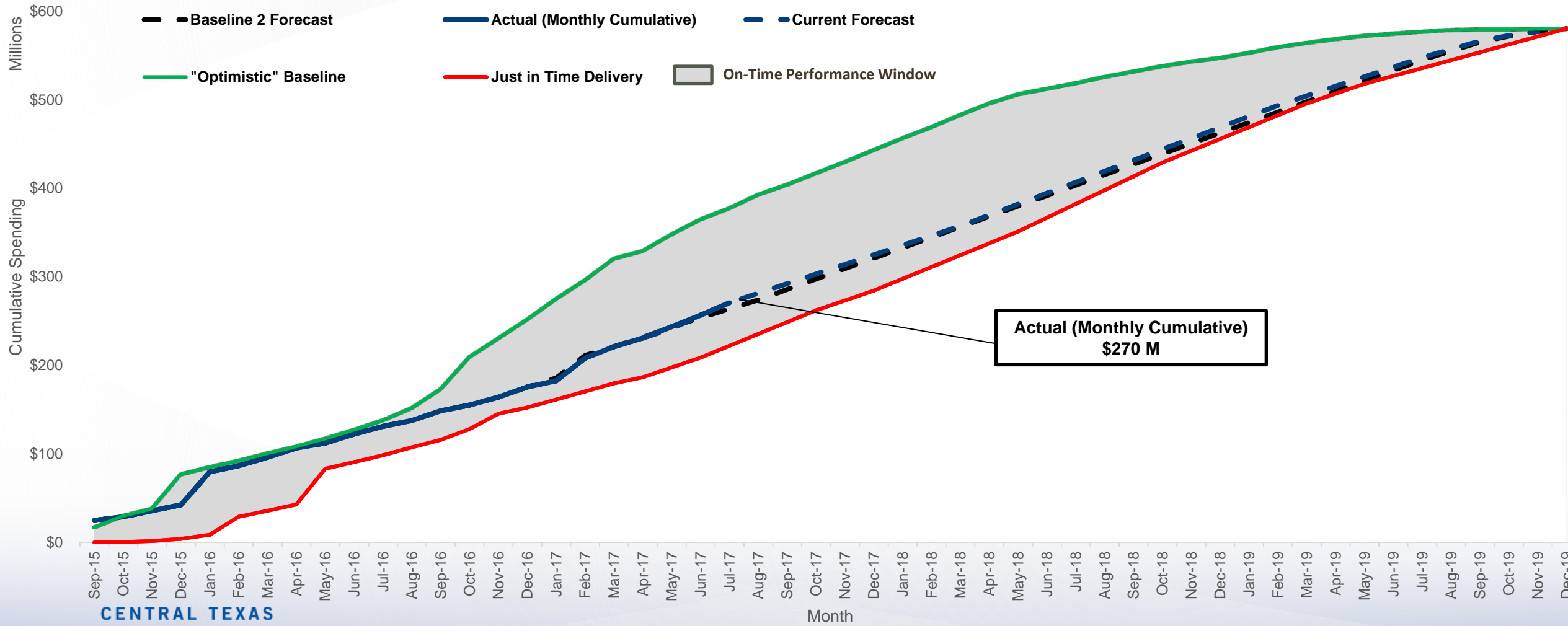
<b>EXECUTED CONTRACT VALUE</b>		<b>\$581,545,700</b>
<b>Total Project Contingency</b>		<b>\$47,860,000</b>
<b>Obligations</b>	<b>CO#1</b> City of Austin ILA Adjustment	<b>(\$2,779,934)</b>
	<b>CO#2</b> Addition of Coping to Soil Nail Walls	<b>\$742,385</b>
	<b>CO#4</b> Greenroads Implementation	<b>\$362,280</b>
	<b>CO#6</b> 51st Street Parking Trailhead	<b>\$477,583</b>
	<b>CO#9</b> Patton Interchange Revision	<b>\$3,488,230</b>
	Others Less than \$300,000 (4)	<b>(\$45,957)</b>
	<b>EXECUTED CHANGE ORDERS</b>	<b>\$2,244,587</b>
	<b>Change Orders in Negotiations</b>	<b>\$2,650,000</b>
<b>Potential Contractual Obligations</b>	<b>\$10,600,000</b>	
<b>Total Project Obligations</b>		<b>\$15,494,587</b>
<b>Remaining Project Contingency</b>		<b>\$32,365,413</b>



# Cash Flow Diagram



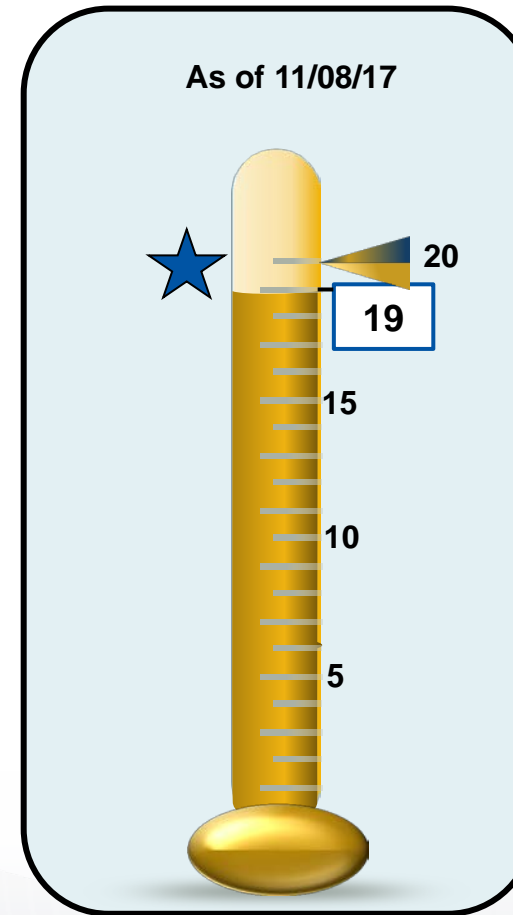
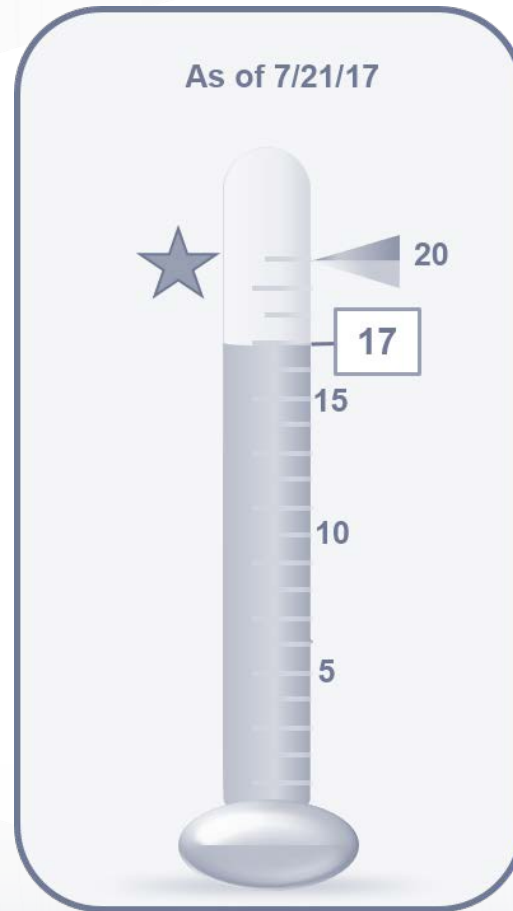
## Through September 15, 2017



**Actual (Monthly Cumulative)  
\$270 M**



## Permitted Packages

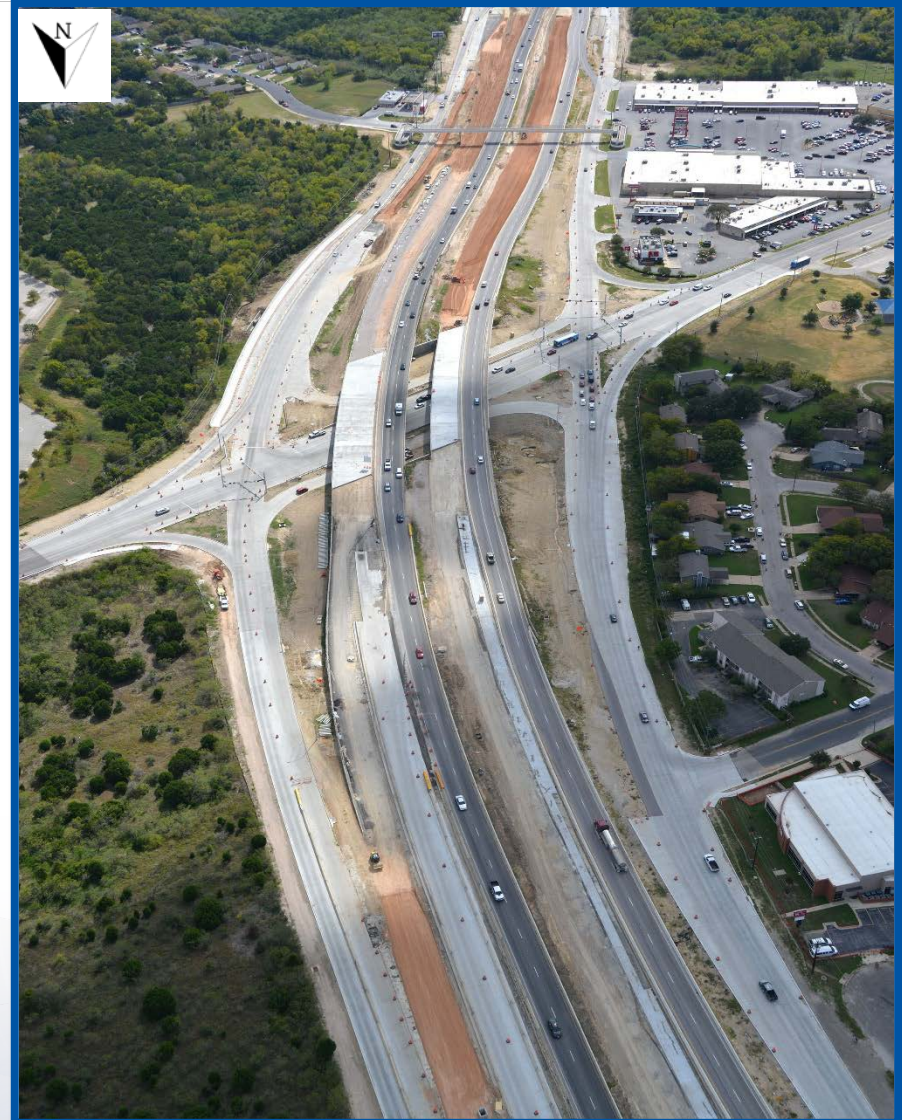
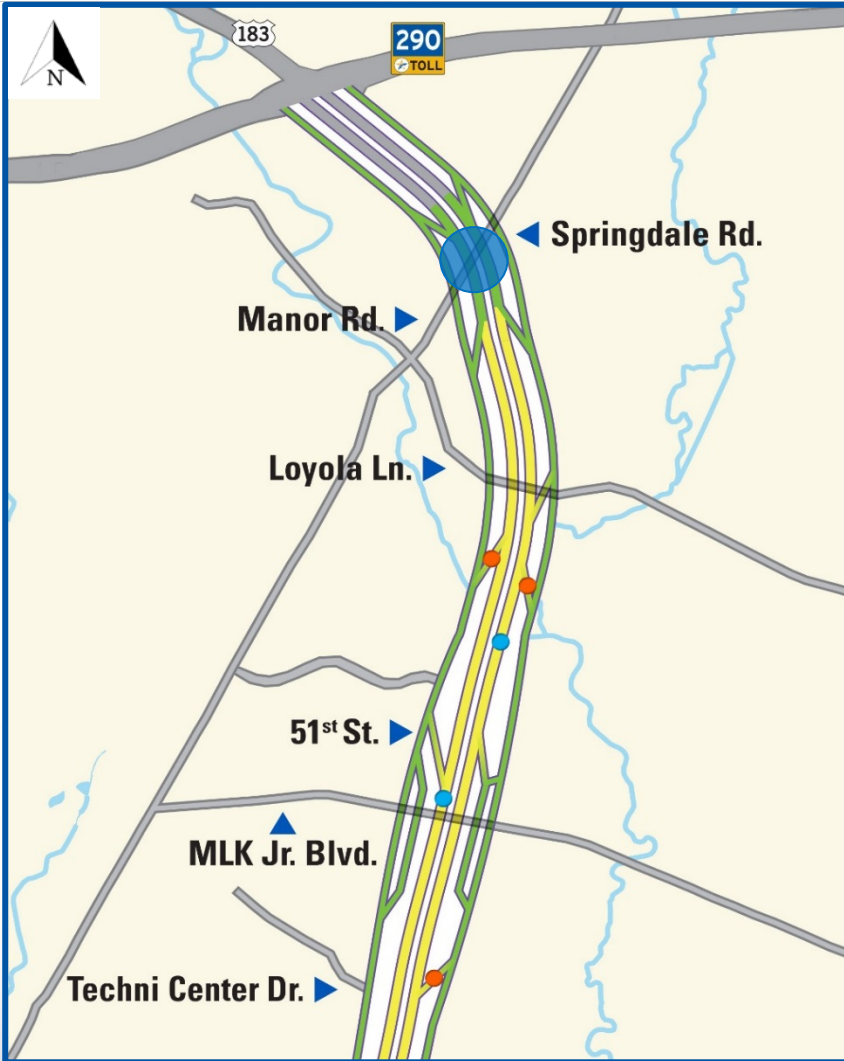








# Construction Activities: Manor/Springdale





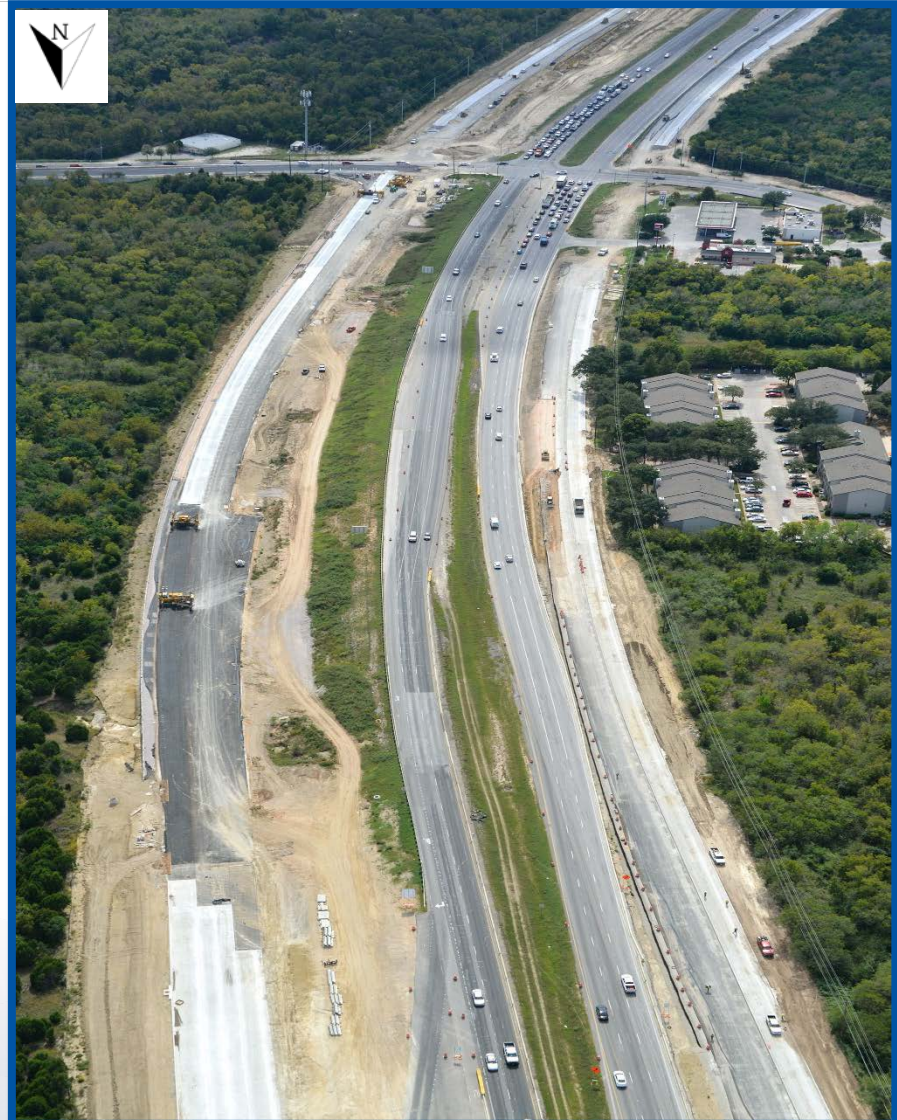
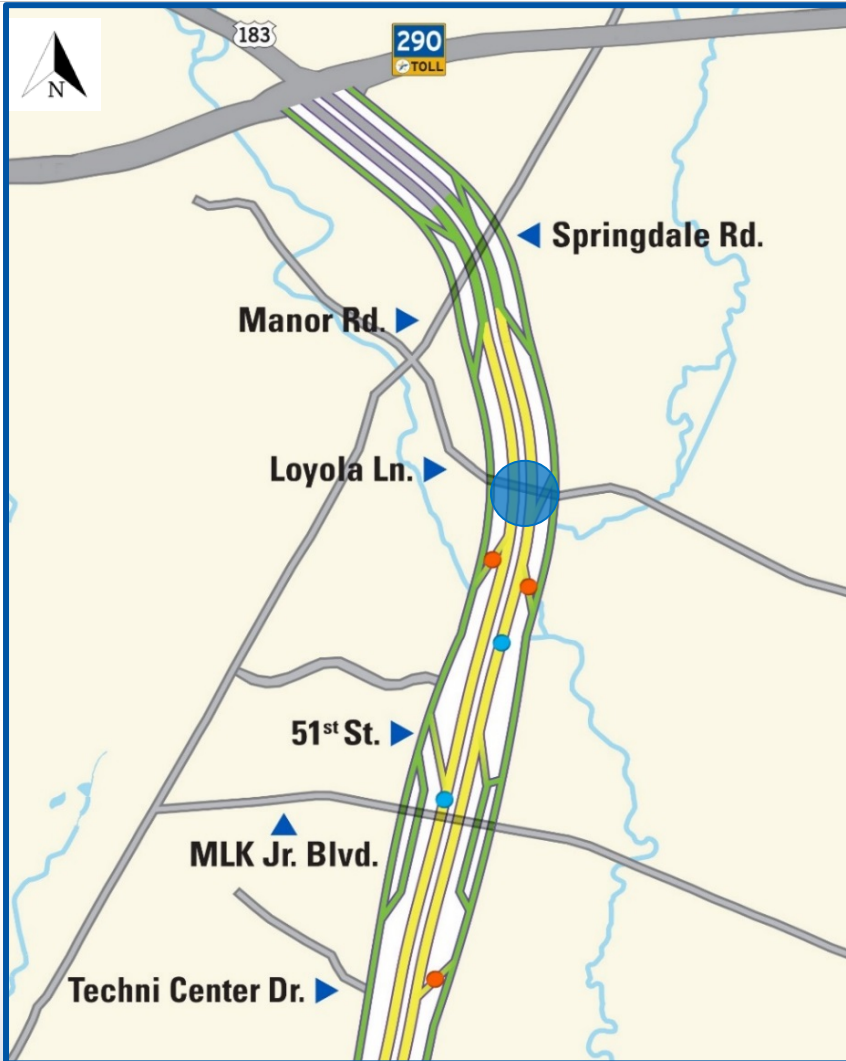
# Drone Flight: Manor/Springdale



October 2017



# Construction Activities: Loyola Lane



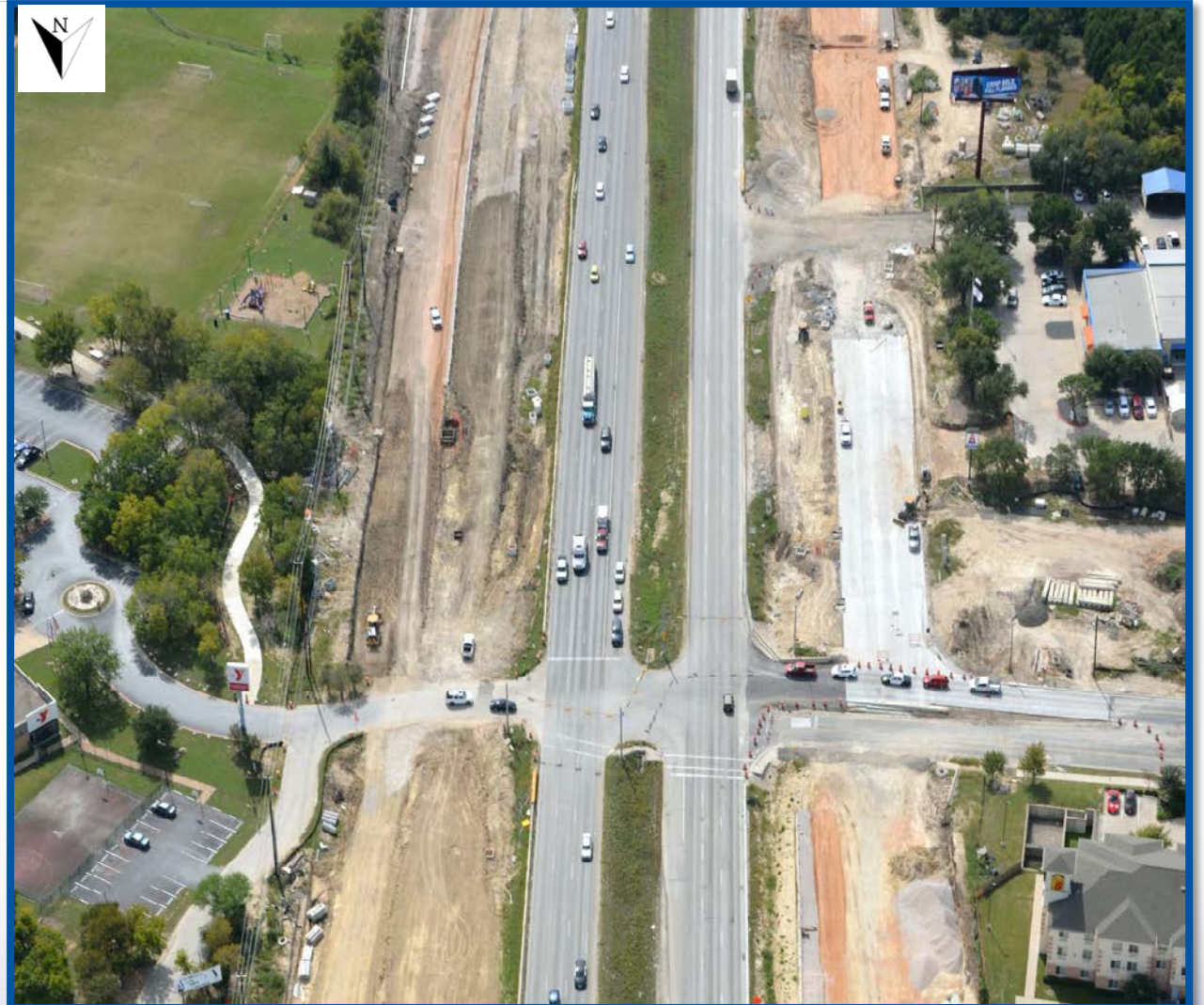
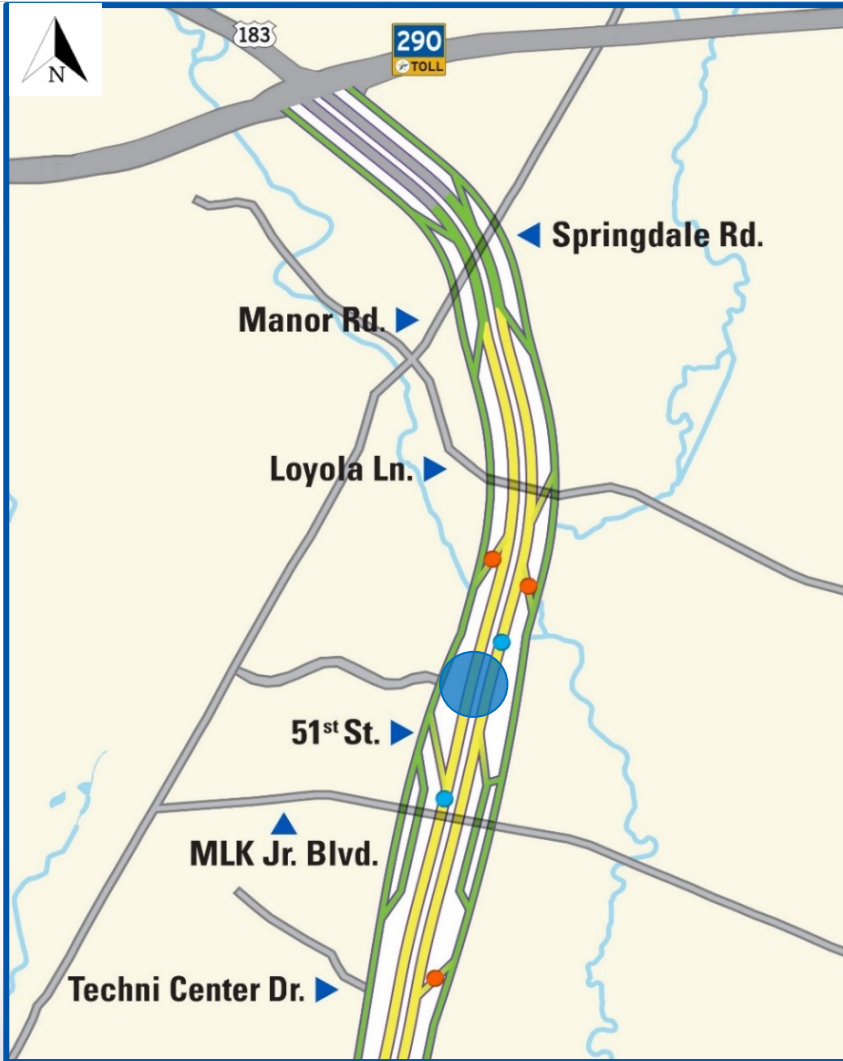


# Construction Activities: Loyola Lane



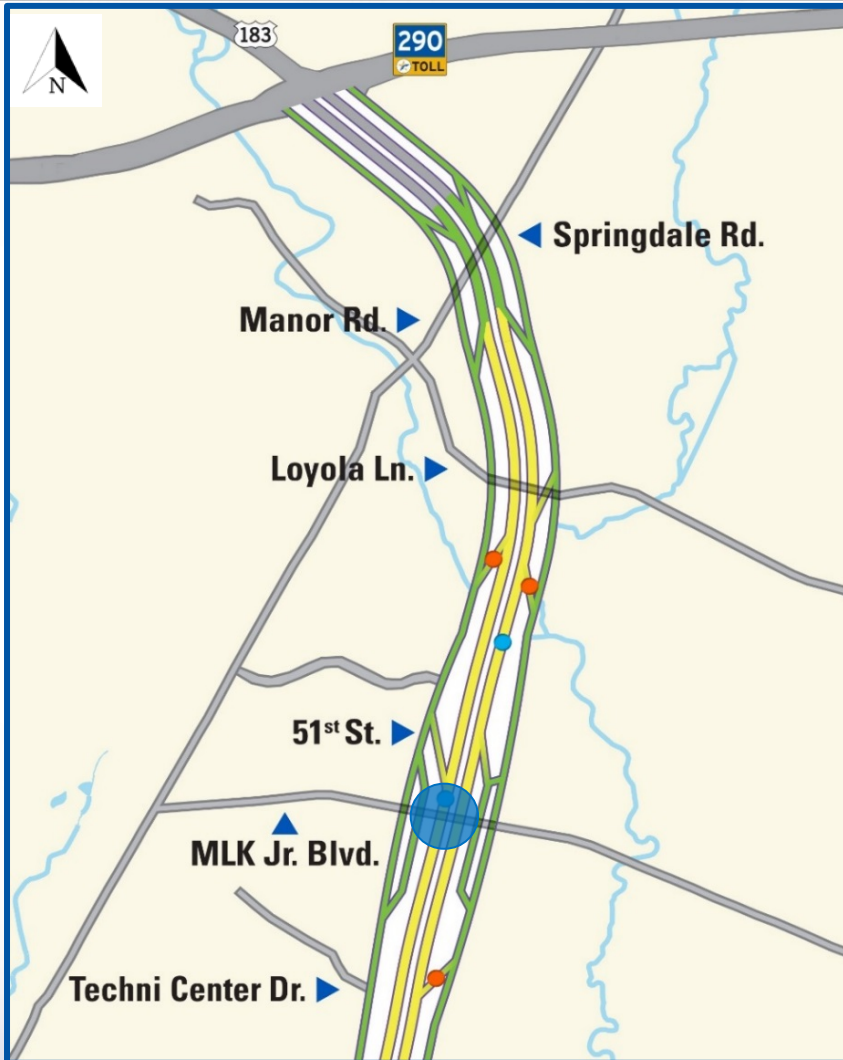


# Construction Activities: 51<sup>ST</sup> Street





# Construction Activities: FM 969 / MLK





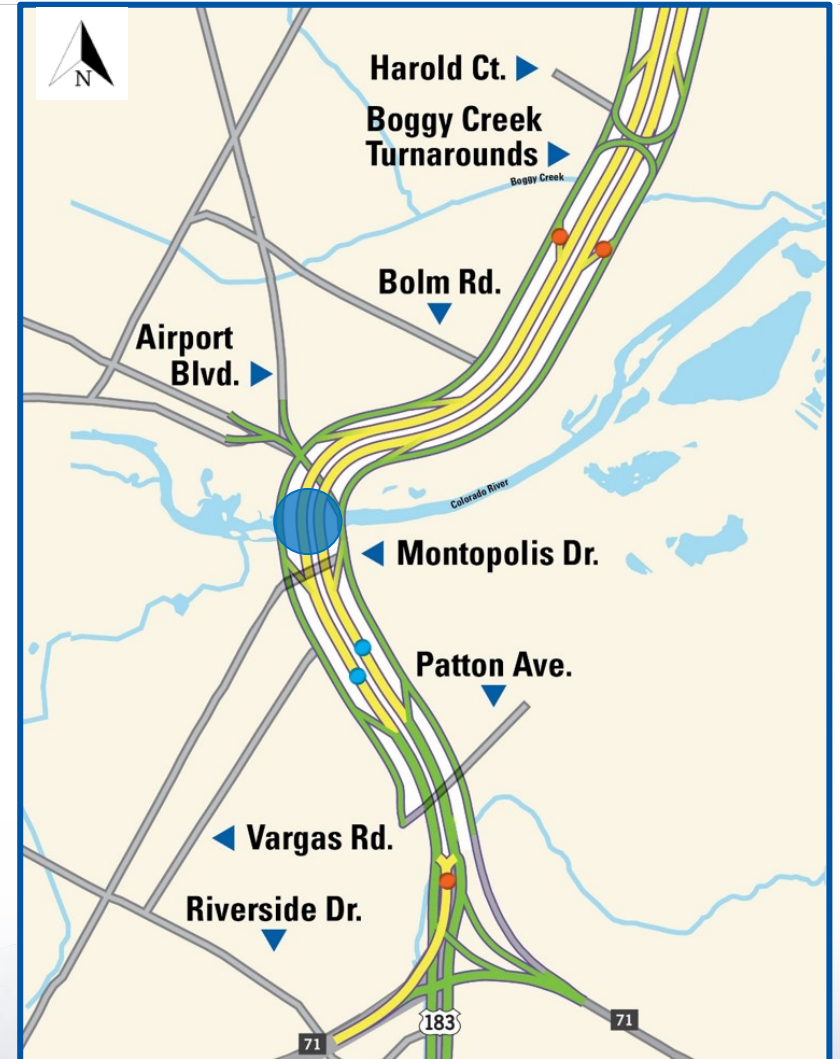
# Drone Flight: FM 969 / MLK



October 2017



# Construction Activities: Colorado River





# Construction Activities: Colorado River



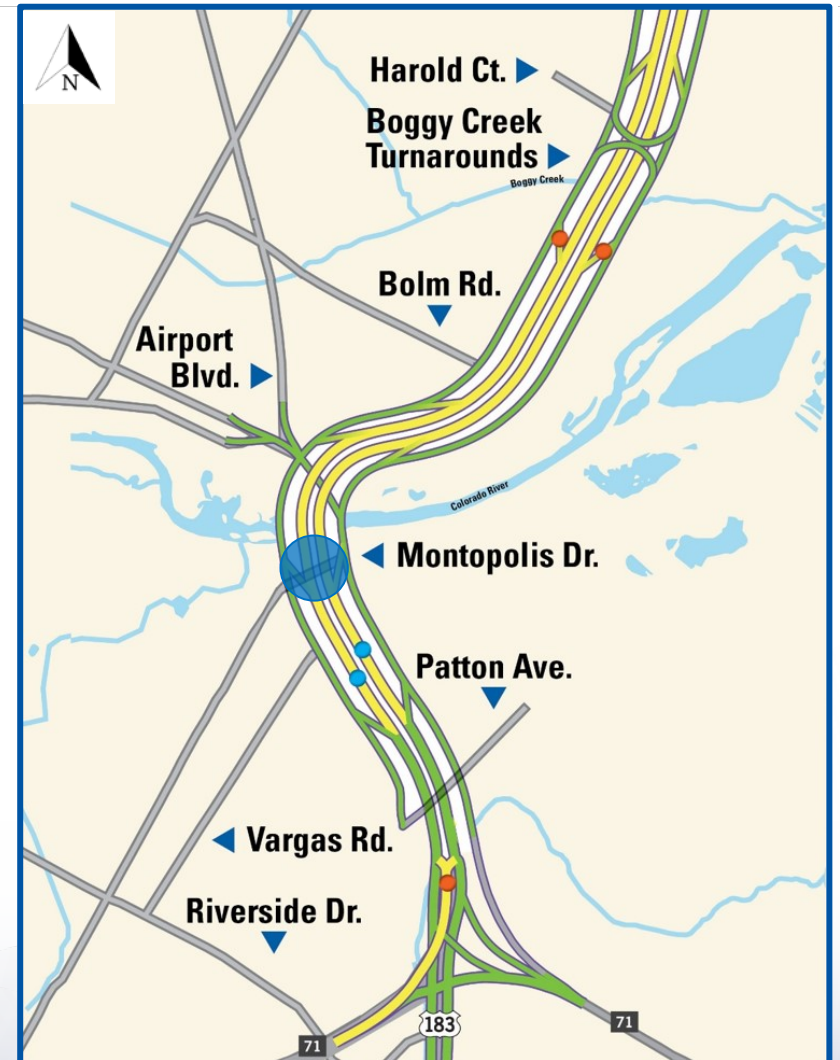
October 2016



October 2017

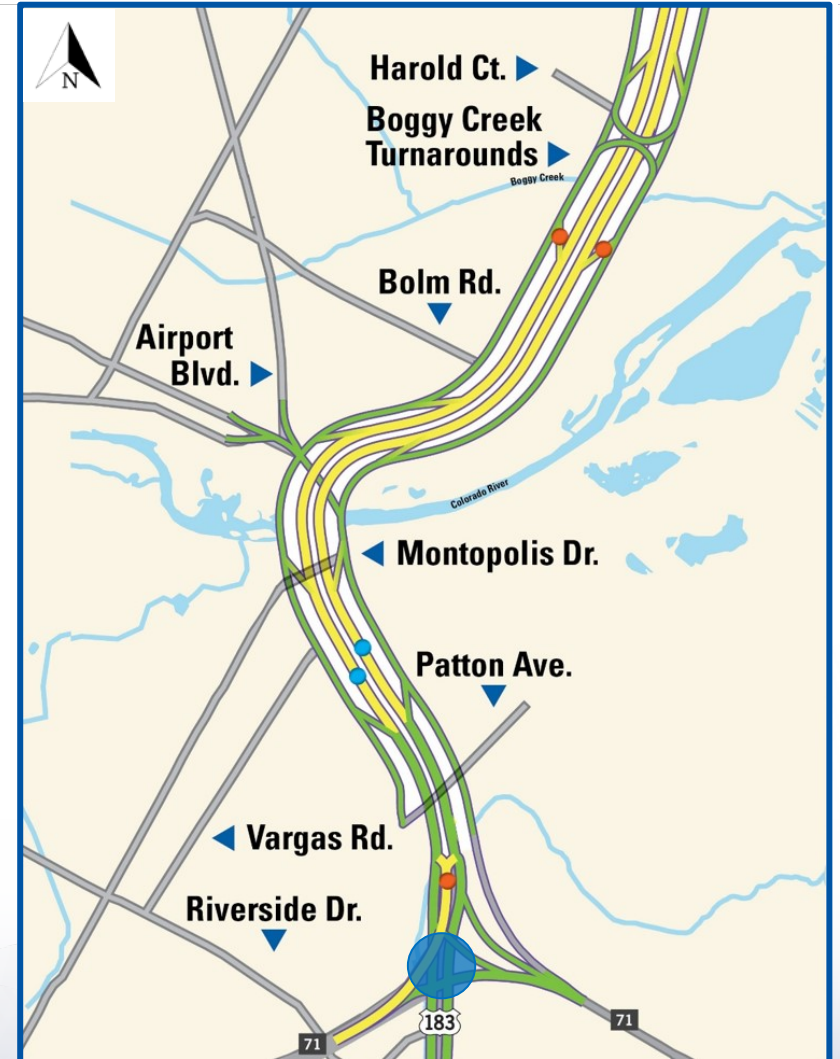


# Construction Activities: Montopolis Drive





# Construction Activities: US 183 at SH 71 Interchange

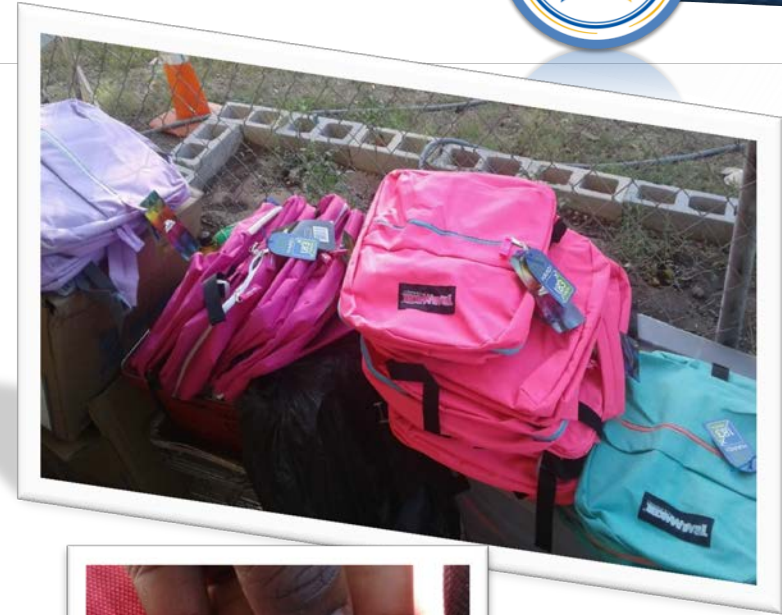






## Sponsored six community events:

- **YMCA Summer Series:** Provided project information and giveaways.
- **Distributed 588 backpacks and school supplies to students at:**
  - Montopolis Back to School event
  - East Austin Prep Back to School fair
  - Allison Elementary School Meet the Teachers event
  - YMCA/Dream Out Loud Back to School event/carnival
  - Winn Elementary School
  - Norman Elementary School
- **Participated in TxDOT's SH 130 open house**
- **National Night Out:** Sponsored events for eight neighborhoods along the corridor.



# Stakeholder and Project Information Meetings



- **AISD** concerning bus route planning
- **Capital Metro** regarding impacts to bus routes/schedules
- **Knollwood on the Colorado neighborhood** about temporary pavement
- **City of Austin** concerning closure of Tannehill Lane
- **Fort Branch Apartments** regarding utility work
- **Callahan's General Store** concerning business access
- **Jack in the Box** regarding Loyola Lane construction impacts
- **YMCA and First Tee Executive Committee** about 51st Street access, timing of construction milestones and other construction items
- **Allison Elementary School Executive Committee** regarding general project information
- Several adjacent property owners about design issues

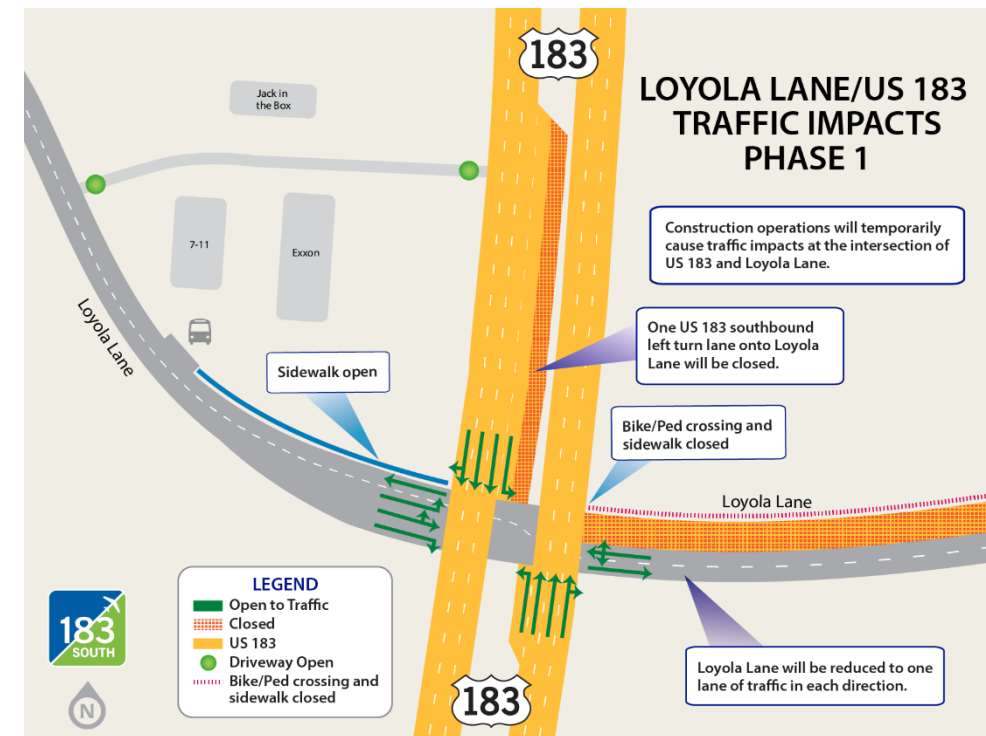


# Major Construction Impacts



In advance of lane reductions impacting traffic at Loyola Lane and US 183, a robust community outreach effort was undertaken:

- Assisted with a Maintenance of Traffic Task Force meeting for Police, Fire, Emergency Services, ABIA, Capital Metro, AISD and City of Austin
- Outreach to nearby homeowners, adjacent businesses and other key stakeholders
- Media alert, website alert, text alert, e-mail alert and Twitter posts







## Continued program to incentivize project staff to patronize corridor businesses

- Workers submit receipts for purchases made at participating businesses
- Bi-weekly drawings to award winners \$50 gift cards to eligible retailers
- To date, \$5868 spent along corridor in 1,000+ transactions



### Visit any of the following businesses to participate:

#### Springdale/Manor

China Kitchen  
Cricket Wireless  
Dollar Tree  
HEB  
KFC  
O'Reilly Auto Parts  
Pizza Patron  
Rent A Center  
Shell on Purple Sage  
Subway

#### MLK Jr. Blvd. (FM969)

Burger King  
Cocina Economica Mayra  
(Food Truck)  
Craigwood Food Mart  
El Norteno (Food Truck)  
Q Mart  
Quiznos  
Shell  
Tocho Morocho (Food Truck)

#### Loyola Lane

7-11  
Exxon  
Jack in the Box

#### Techni Center Dr.

Exxon  
Shell  
Subway

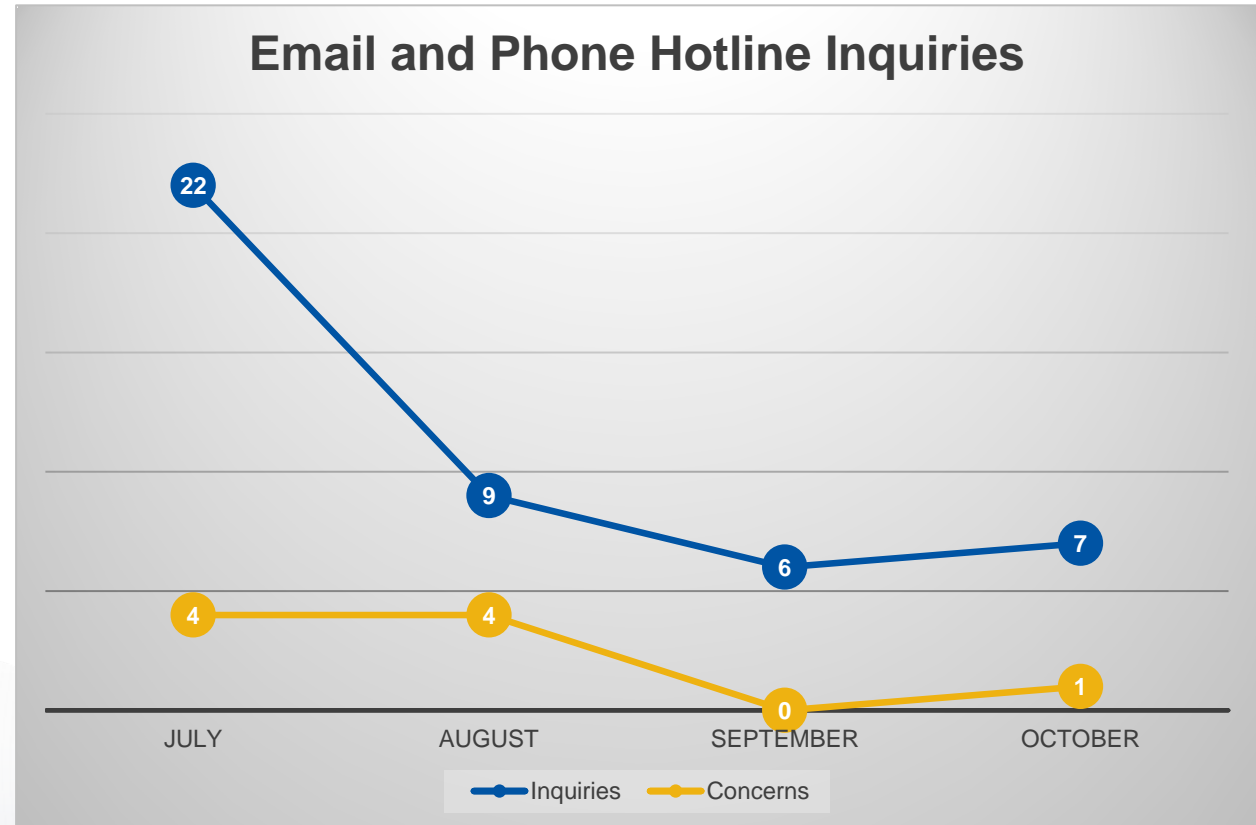
#### Patton Ave.

Callahan's General Store





- Concerns received were primarily about signs and operational issues at the FM 969(MLK Blvd) intersection during the lane reduction there
- There were no complaints received regarding the Loyola Lane reductions





# Quarterly update on transportation projects under construction

## B. SH 45SW Project

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### Agenda Item #11B

Justin Word, P.E., Director of Engineering

November 8, 2017

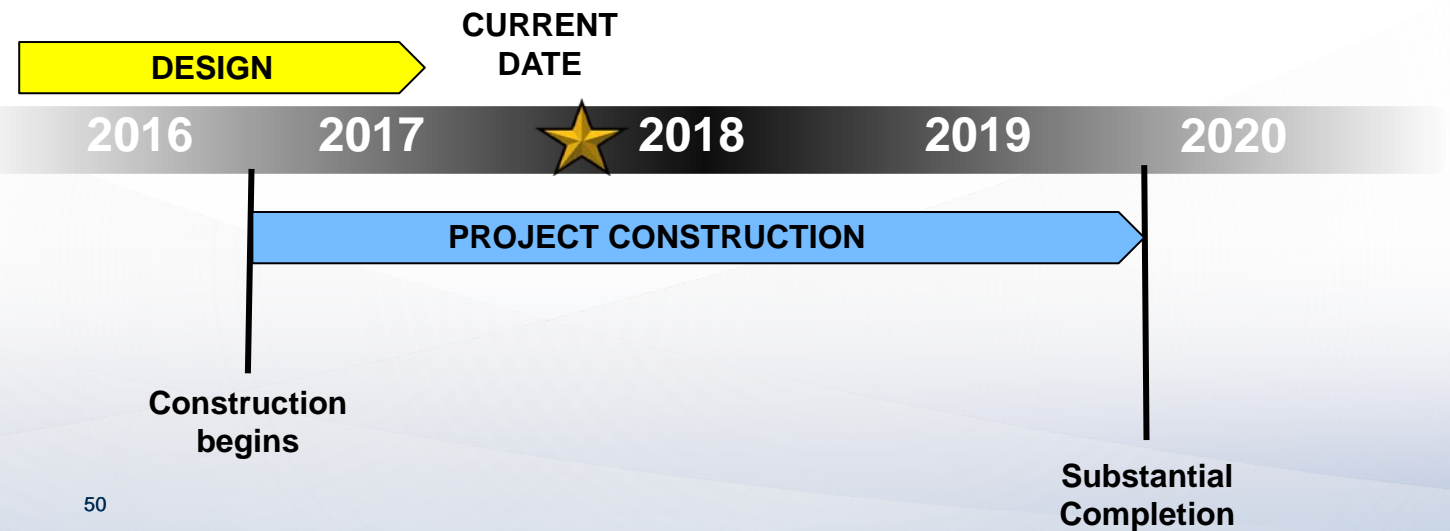


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# SH 45SW Overview

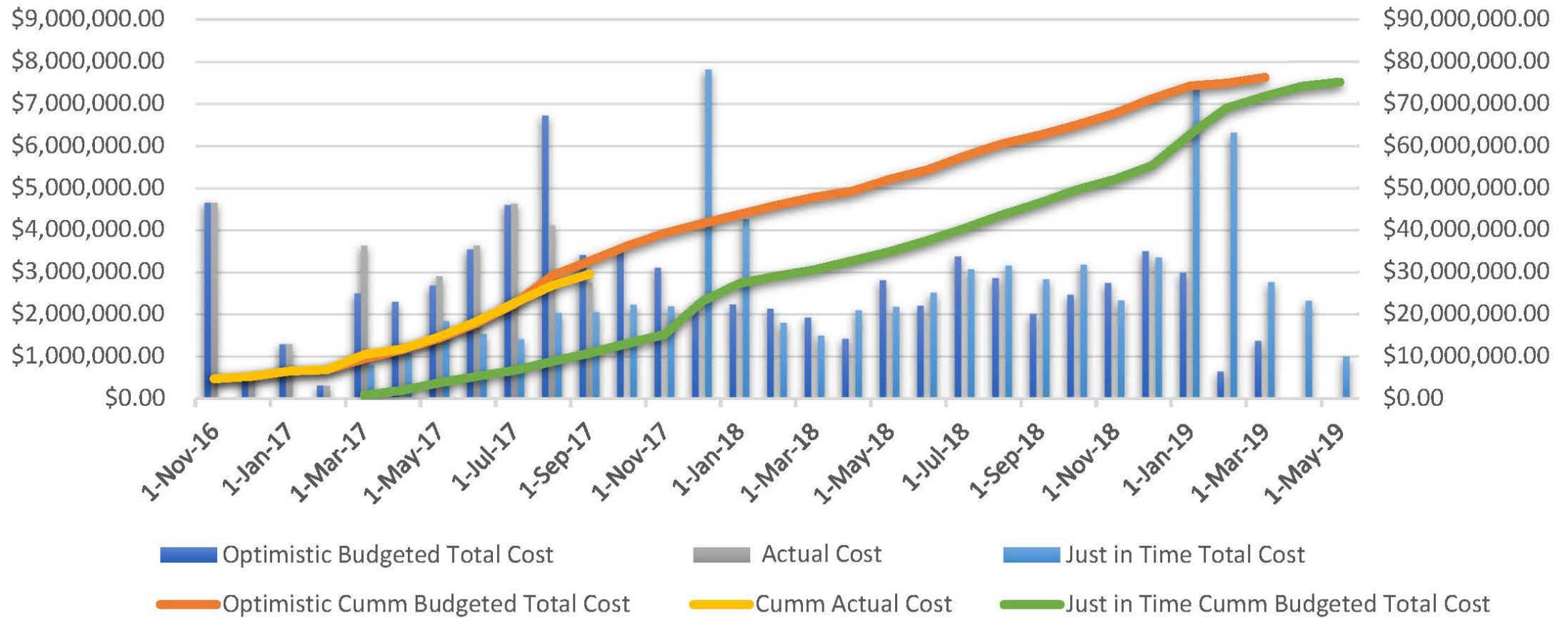


MILESTONE	DATE
Construction Contract Executed	November 1, 2016
Construction Notice to Proceed Effective	November 8, 2016
Begin Construction	November 8, 2016
Substantial Completion	Summer 2019





# SH 45SW Cash Flow Projection





<b>EXECUTED CONTRACT VALUE</b>		<b>\$75,103,623</b>
<b>Total Project Contingency</b>		<b>\$7,520,000</b>
<b>Obligations</b>	<b>CO#4</b> Installation of PEC and TWC Conduits	<b>\$458,439</b>
	<b>CO#5</b> Installation of SSTR Drilled Shafts & Moment Slab	<b>\$538,945</b>
	Others Less than \$300,000 (5)	<b>\$91,138</b>
	<b>EXECUTED CHANGE ORDERS</b>	<b>\$1,088,522</b>
	<b>Change Orders in Negotiations</b>	<b>\$167,338</b>
	<b>Potential Contractual Obligations</b>	<b>\$5,382,960</b>
<b>Total Project Obligations</b>		<b>\$6,638,820</b>
<b>Remaining Project Contingency</b>		<b>\$881,180</b>





- **Overall project 39% complete**
- **Current Construction Activities**
  - Roadway embankment and hot mix asphalt placement from FM1626 to Bear Creek in GS1.
  - Superstructure work (beams and deck panels) at Bear Creek Bridge.
  - Substructure work (footings, columns and caps) at various direct connector bridges at Mopac Interchange.
  - MSE wall installation at various director connector headers at Mopac Interchange.
  - SUP concrete placement between FM1626 and Bliss Spillar.
  - Drainage and Illumination/ITS duct bank work throughout the project.
- **Upcoming Construction Activities**
  - Contractor working toward substantial completion of Segment GS1 in order to start work in Segment GS2
  - Foundation drilling for Bliss Spillar Bridge
  - Structure work for Danz Creek Bridge Widening





**Concrete Shared Use Path  
and Curb and Gutter  
Placement**





**Beam & Deck  
Panel Placement  
at Bear Creek  
Bridge**

09.20.2017





**Setting Panels  
for MSE Walls  
South of Old  
Bliss Spillar**









# SH 45SW North of Bliss Spillar





# SH 45SW at Bear Creek Bridge





# SH 45SW at Loop 1 (MoPac) Interchange



**SH 45SW & LOOP 1 INTERCHANGE**



# Executive Director Board Report

## A. Update and Board discussion on Park and Ride

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### Agenda Item #12A

Jeff Dailey, Deputy Executive Director

November 8, 2017



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# Executive Director Board Report

## B. Update on transportation projects under development

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### Agenda Item #12B

Mike Heiligenstein, Executive Director

November 8, 2017



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Regional Mobility Authority



# Express Lanes Open For Business



## • Benefits

- Travel Time Savings / Reliable Trip
- Transit and Registered Van Pools – increased ridership
- Emergency Response

## • Leveraging Transportation Investment

- CapMetro Express Bus
  - November – Start
  - January – Expand
- CapMetro Van Pools

**METRO**

Home > MetroExpress Campaign

### Why fight traffic? **GET ON.**

Why fight traffic? **GET ON.**

**Now serving Round Rock, Wells Branch & Scofield Ridge!**

Route 980 North MoPac Express begins weekday service Monday, November 13, with 11 morning and 11 evening trips! Get from Round Rock to downtown twice in the morning and twice after work.

Park at the **New Life Park & Ride** near Howard Lane for all other trips.

Less traffic plus no tolls on MoPac: It all adds up to MetroRideShare

**Design Your Commute** **METRO**

Have you done the math on what it costs to drive alone to work every day? How much fuel it takes and how many hours are spent driving, unable to get anything else done?

Hundreds of people who live or work in Austin have taken back that time and put money back in their pockets by taking advantage of MetroRideShare vanpooling. Now, these high-occupancy heroes are getting some extra credit, with **free access to the new MoPac express lanes!**



# Xpress Transit and Express Lanes Can Improve the Capacity of Georgia's Most Congested Highways



*Less than 2% of Vehicles during Morning Commute are express commuter coaches....*



*...But express commuter coaches move 26% of the commuters travelling through the Lane!*



# Collaborative Regional Planning

## • Current Planning Efforts

- CAMPO – 2045 Regional Transportation Plan Update
- CapMetro – Project Connect
- CTRMA – Park and Ride Feasibility Planning

## • Potential Sites

- Proximity to feeder residential populations
- Proximity to CTRMA facilities
- Trip length – 30 minutes or more to employment and activity centers
- Environmental constraints, site availability, layout / constraints, and access
- Cost – real estate, capital and operating





# Potential Park and Ride Locations



## Park and Ride Location Study

### EXISTING FACILITIES

- |                  |              |               |                   |
|------------------|--------------|---------------|-------------------|
| 1 Four Points    | 5 Lago Vista | 9 Oak Hill    | 13 Triangle       |
| 2 Great Hills    | 6 Lakeline   | 10 PAVILION   | 14 North Lamar    |
| 3 Howard Station | 7 Leander    | 11 Southeast  | 15 South          |
| 4 Jonestown      | 8 Manor      | 12 Tech Ridge | 16 South Congress |

### FACILITY OPENING SOON

- 39 New Life Church

### POTENTIAL NEAR TERM

- 17 18 38 41 42 43 44 50 56

### POTENTIAL MID-TERM

- 19 30 32 46 54 55

### POTENTIAL LONG TERM

- 22 31 33 48 49 52 53

### REQUIRES ADDITIONAL COORDINATION

- 21 23 24 25 26 28 34 37 40 47 57

### OTHER

- 20 27 29 45 51 58

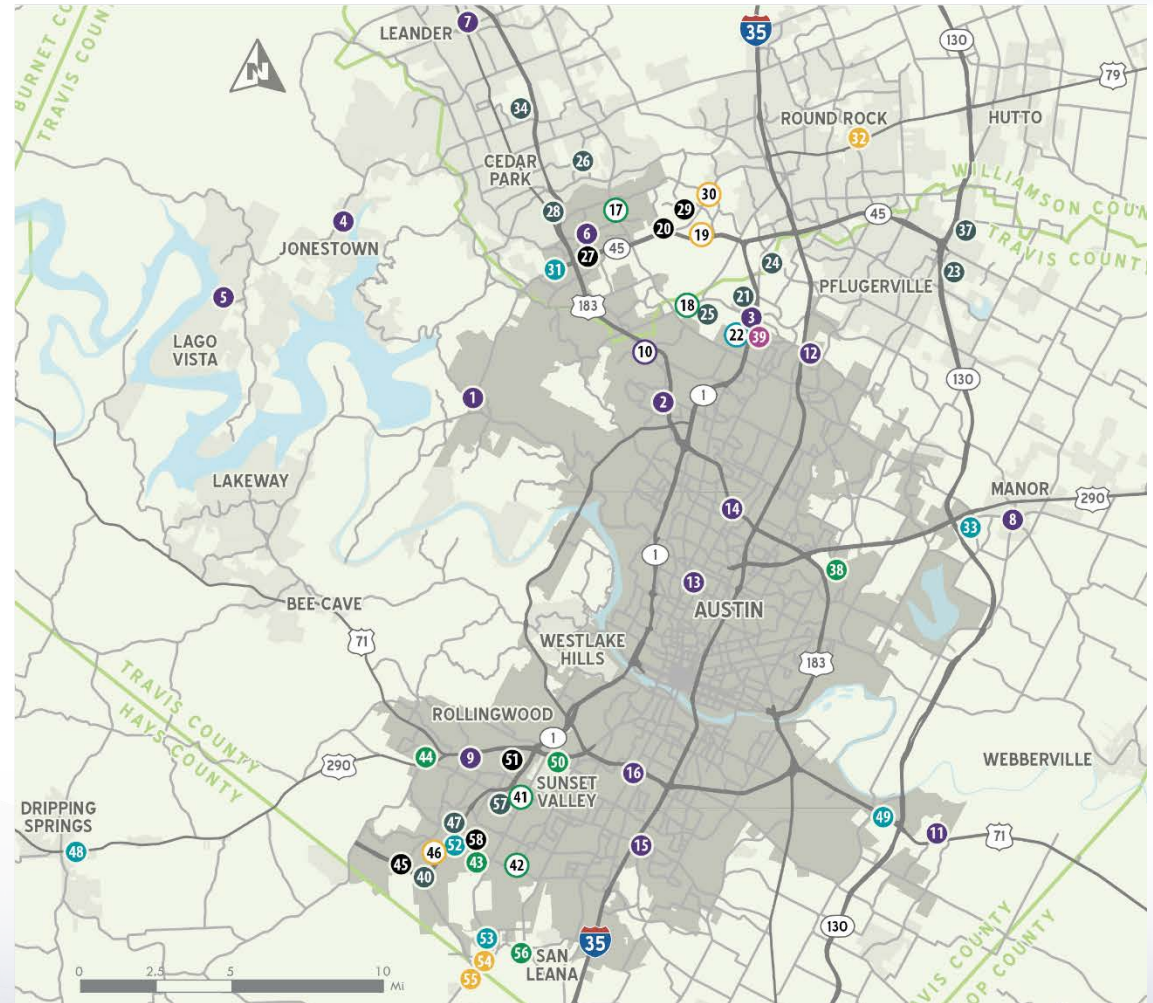
### KEY

#### RECOMMENDED LOCATION

- XX Existing
- XX Potential Near Term
- XX Potential Mid-Term
- XX Potential Long Term

#### POTENTIAL LOCATION

- XX Existing
- XX Potential Near Term
- XX Potential Mid-Term
- XX Potential Long Term







- Collaborate with Regional Partners
- Identify Near Term Opportunities
- Develop Implementation and Funding Plan



# Executive Director Board Report

## C. New employee introduction

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### Agenda Item #12C

Mike Heiligenstein, Executive Director

November 8, 2017



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# Executive Session

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## Agenda Items #13-16

November 8, 2017



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# Reconvene in Open Session

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November 8, 2017



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Regional Mobility Authority



# Authorize negotiation and execution of a Project Development Agreement with the Texas Department of Transportation for the 183 North Project

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## Agenda Item #17

Justin Word, P.E., Director of Engineering

November 8, 2017



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Regional Mobility Authority



# 183 North Project Description



- Two express lanes in each direction with direct connectors to/from MoPac (31 lane miles)
- Fourth general purpose lane where only three exist (8.5 lane miles)
- New shared use-paths, new sidewalks and cross-street connections for bicycles/pedestrians
- Approximately 13-miles in length, including all transitions
- **PROJECT PURPOSE**
  - Facilitate congestion management in the corridor
  - Provide a reliable route for transit
  - Facilitate reliable emergency response
- **Total Cost:**
  - CTRMA - \$380M
  - TxDOT - \$120M







## Roles and Responsibilities

### ▪ Mobility Authority

- Costs for tolled elements
- Assist in development of procurement, design, and construction documents
- Participate in the evaluation process and selection of the Apparent Best Value Proposer
- Operations and maintenance of tolled elements

### ▪ TxDOT

- Costs for the non-tolled elements
- Lead the development of procurement, design, and construction documents
- Lead evaluation process and selection of the Apparent Best Value Proposal
- Operation and maintenance of non-tolled elements





- TxDOT will use a **two-phase** procurement process including:
  - Request for qualifications (RFQ)
  - Request for proposals (RFP)
- Proposers are shortlisted in the **first phase** based on written and oral responses to the following evaluation categories:
  - Qualifications and Experience
  - Statement of Technical Approach
  - Safety
- Shortlisted Proposers submit proposals in response to an RFP in the **second phase** of the procurement
- Proposals will be evaluated and an Apparent Best Value Proposer selected based on:
  - Price proposal (70% of the maximum score)
  - Technical proposal (30% of the maximum score)





- The Project will be delivered by TxDOT using the design-build delivery method
- TxDOT currently anticipates executing the design-build contract in summer/fall 2018
- The Mobility Authority will observe and participate in TxDOT's management of the design, construction, inspection, and testing oversight
- Upon Project completion:
  - The design-build contract will include performance warranties for up to five (5) years
  - The Mobility Authority will own the managed lanes and have exclusive right to establish the toll rate and collect tolls



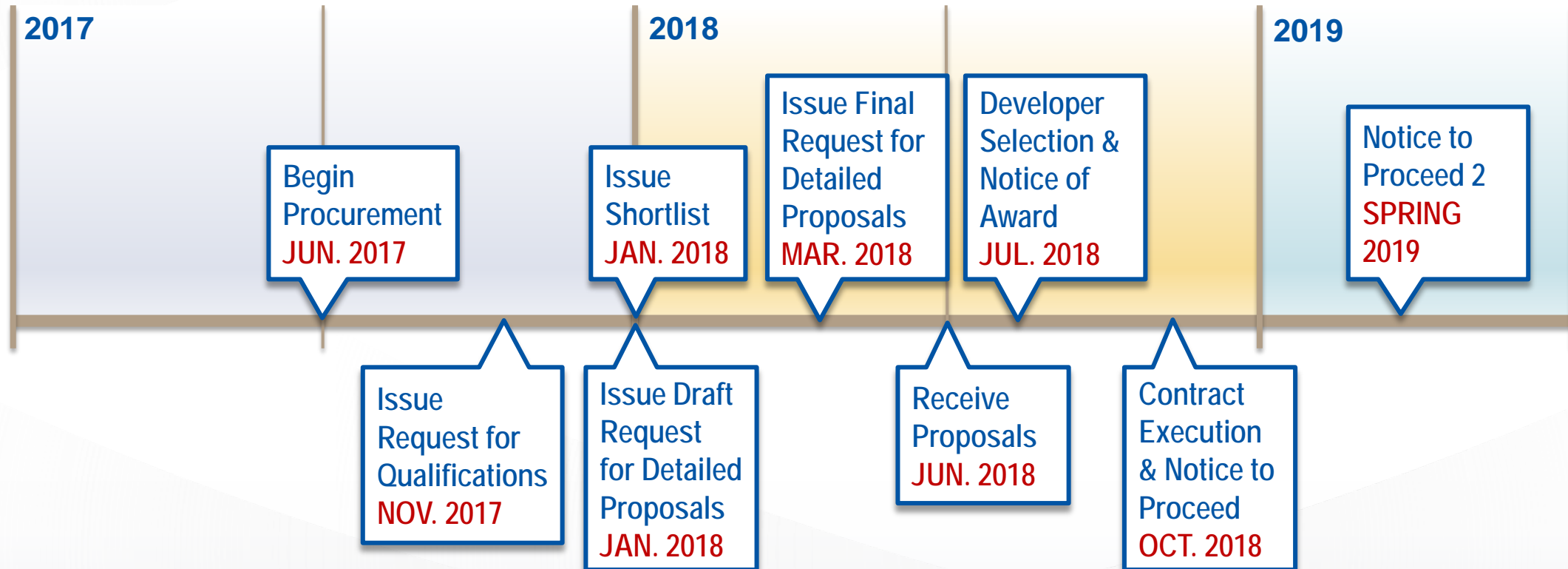
A Project Development Agreement (PDA) will be executed by both parties identifying the respective roles and responsibilities



# 183 North Mobility Project



## OVERALL PROJECT TIMELINE







- **This Project Development Agreement outlines the roles and responsibilities for CTRMA and TxDOT through the procurement, design, and construction of the project and provides the following detail:**
  - TxDOT intends to develop and construct the tolled and non-tolled elements and finance, operate, and maintain the non-tolled elements.
  - CTRMA intends to review and assist in development of procurement, design, and construction documents, and finance, operate, and maintain the tolled elements.
- **Once the PDA is approved the RFQ will be issued by TxDOT**

Authorize negotiation and execution of a contract to purchase each of the following described parcels or property interests for the 183 South (Bergstrom Expressway) Project:

- A. Parcel 127E of the 183 South (Bergstrom Expressway) Project, an easement taking of 3.052 acres, from 26.845 acres of real estate, **owned by Church of Christ at East Side**, and located at 5701 East Martin Luther King , Jr. Boulevard, on the southwest corner of U.S. Hwy 183 and East MLK, Jr. Blvd, Austin, Texas

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## Agenda Item #18A

Geoff Petrov, General Counsel

November 8, 2017



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### **Consideration of the use of eminent domain to condemn property:**

Declare a public necessity to acquire the following described parcels of land, or interests therein, for the 183 South (Bergstrom Expressway) Project; and with respect to each such parcel or interest therein, authorize any of the following actions: (i) acquisition through negotiation or by the use of eminent domain to condemn the parcel or interest therein; (ii) execution of a contract to purchase, and (ii) execution of a possession and use agreement:

- A. Parcel E29 of the 183 South (Bergstrom Expressway) Project, and easement taking of 0.082 acres, from 3.76 acres of real estate, **owned by Vargas Properties I, LTD., A Texas Limited Partnership**, and located at 400 Vargas Road, Austin, Travis County, Texas on the west side of 183S.

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## Agenda Item #19A

Geoff Petrov, General Counsel

November 8, 2017



CENTRAL TEXAS  
Regional Mobility Authority

# Adjourn Meeting

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## Agenda Item #20

November 8, 2017



CENTRAL TEXAS  
Regional Mobility Authority





**CENTRAL TEXAS**  
**Regional Mobility Authority**