



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

Regular Meeting of the Board of Directors

June 26, 2019



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY



**1 Welcome and opening remarks by the
Chairman and members of the Board
of Directors**



2 Opportunity for public comment

The background of the slide is a photograph of a highway, likely North 183 A, with a sign that reads "NORTH 183 A TOLL". The image is overlaid with a blue tint. A white chevron symbol is positioned to the left of the section header.

> Consent Agenda

**3. Approve the minutes of the May 29, 2019
Regular Board Meeting**

**4. Approve office sharing agreements with
Atkins North America, Inc. and WSP USA Inc.**

Geoff Petrov - General Counsel

**3 Approve the minutes of
the May 29, 2019 Regular
Board Meeting**



4

Approve office sharing agreements with Atkins North America, Inc. and WSP USA Inc.

Mary Temple - Controller

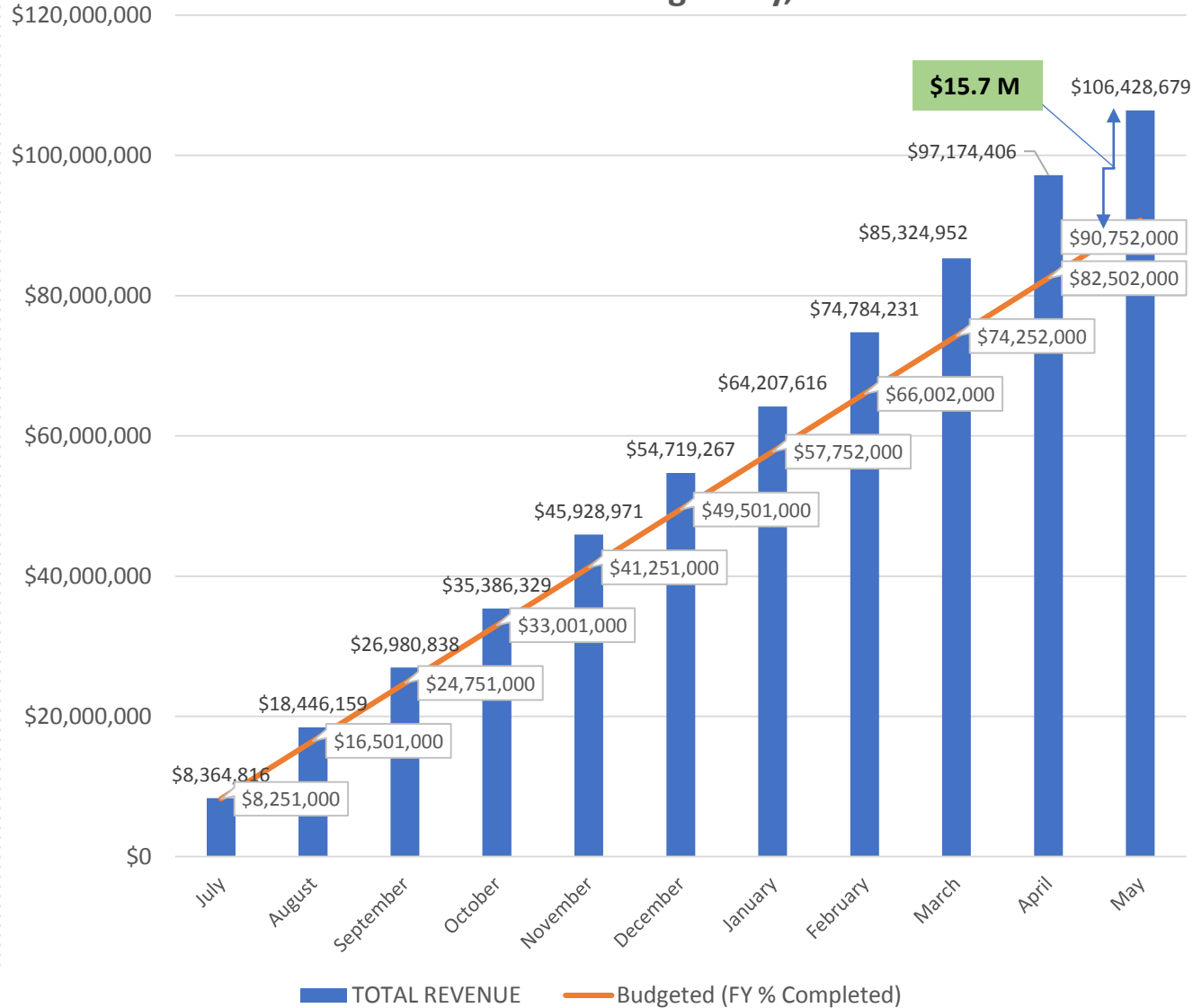
**5 Accept the financial statements
for May 2019**



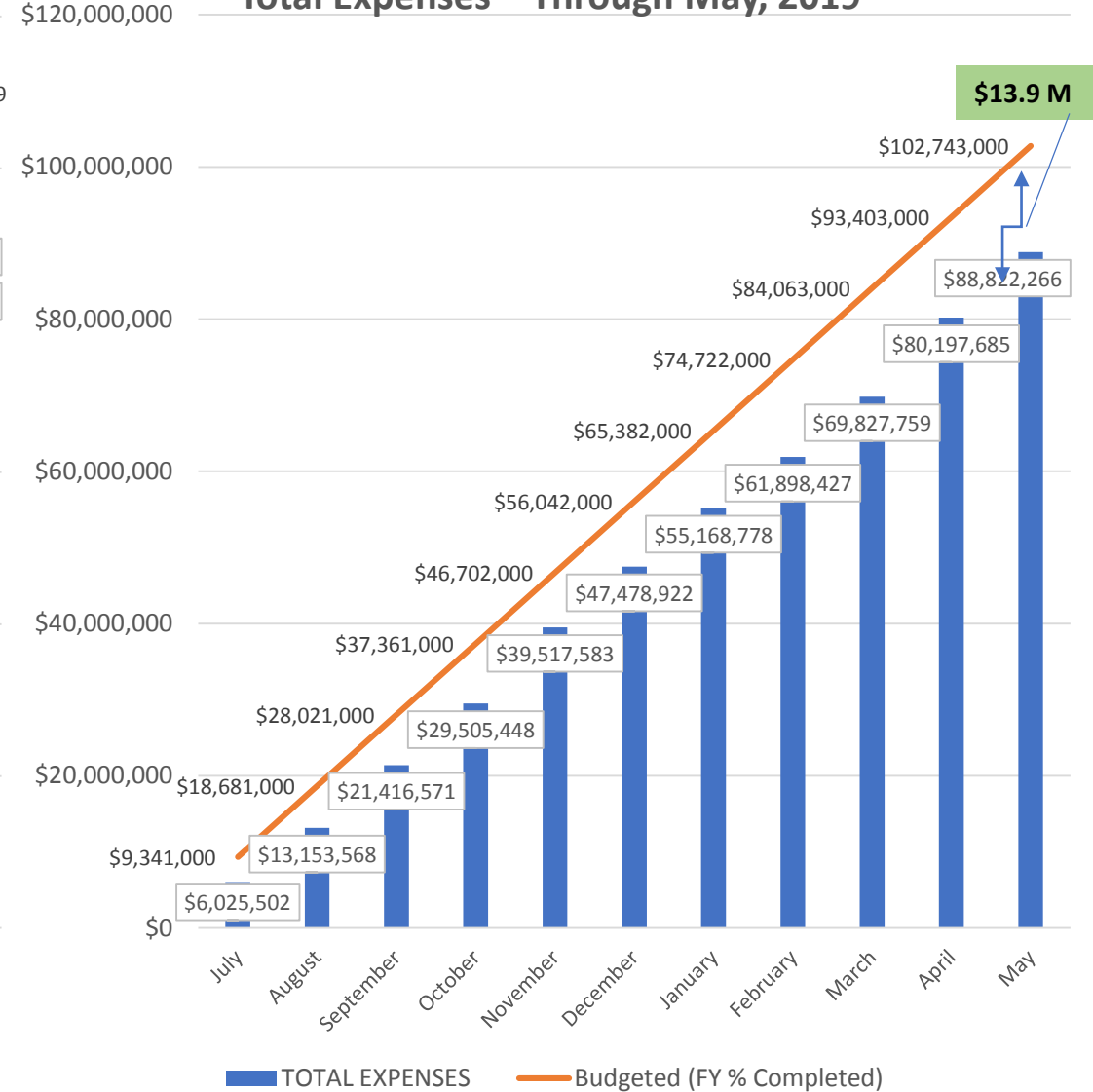
Actual vs Budgeted (linear projections) Revenue and Expenses



Total Revenue – Through May, 2019



Total Expenses – Through May, 2019



Robert Goode, P.E. – Deputy Executive Director

**6 Discuss and consider adoption
of the Fiscal Year 2020 Operating
Budget**



William Chapman – Chief Financial Officer

7 Approve a toll rate for the Bergstrom Expressway (183 South) Project





183 South Project

- **Project Limits:** US 290 to SH 71
- **Project Length:** 8 miles
- **Total Project Cost:** \$743 Million
- **Project Status:**
 - Phase I from US 290 to Techni Center Drive opens in summer 2019
 - Phase II from Techni Center Drive to SH 71 opens summer 2020





2019 183S Interim Build Toll Rates

Toll Location	Payment Type	2-axle	3-axle	4-axle	5-axle	6-axle
Loyola Lane Ramps	ETC	\$0.65	\$1.30	\$1.95	\$2.60	\$3.25
	PBM	\$0.98	\$1.96	\$2.94	\$3.92	\$4.90
MLK Blvd. Mainline Plaza	ETC	\$1.21	\$2.42	\$3.63	\$4.84	\$6.05
	PBM	\$1.82	\$3.64	\$5.46	\$7.28	\$9.10



2020 183S Full Build Toll Rates

Toll Location	Payment Type	2-axle	3-axle	4-axle	5-axle	6-axle
Loyola Lane Ramps*	ETC	\$0.66	\$1.32	\$1.98	\$2.64	\$3.30
	PBM	\$0.99	\$1.98	\$2.97	\$3.96	\$4.95
MLK Blvd. Mainline Plaza*	ETC	\$1.24	\$2.48	\$3.72	\$4.96	\$6.20
	PBM	\$1.86	\$3.72	\$5.58	\$7.44	\$9.30
Techni Center Ramp	ETC	\$0.89	\$1.78	\$2.67	\$3.56	\$4.45
	PBM	\$1.34	\$2.68	\$4.02	\$5.36	\$6.70
Bolm Road Ramps	ETC	\$0.60	\$1.20	\$1.80	\$2.40	\$3.00
	PBM	\$0.90	\$1.80	\$2.70	\$3.60	\$4.50
Montopolis Drive Mainline Plaza	ETC	\$1.07	\$2.14	\$3.21	\$4.28	\$5.35
	PBM	\$1.61	\$3.22	\$4.83	\$6.44	\$8.05
Direct Connectors to/from SH 71	ETC	\$0.60	\$1.20	\$1.80	\$2.40	\$3.00
	PBM	\$0.90	\$1.80	\$2.70	\$3.60	\$4.50

*2020 toll rates at Loyola Ramps and MLK ML Plaza may change depending on the CPI-based toll escalation percentage for 2019.



Staff Recommendation

- Approve the toll rates for Bergstrom Expressway (183 South) project

Justin Word, P.E. - Director of Engineering

8

Approve Amendment No.1 to the Webber, LLC agreement to provide additional incentives for schedule acceleration on the Manor Expressway (290E) Phase III Project



290 Flyovers Project Scope



- **Project Description:** Three flyovers will be constructed between 290 Toll and SH 130:
 - Two tolled: northbound and southbound SH 130 to westbound 290 Toll
 - One non-tolled: eastbound 290 Toll to southbound SH 130
- **Limits:** Intersection of US 290 and SH 130
- **Total Project Cost:** \$127 Million
- **Project Status:** Construction began in November 2018, Full Notice to Proceed March 2019
- **Toll turn on date:** July 2021



290 Flyovers Project Scope



- **Original phasing built direct connectors one after the other**
- **Schedule reasonably achievable by current construction market**
- **Contractor is interested in building direct connectors in a more parallel phasing requiring:**
 - Additional traffic control
 - Additional equipment and crews
 - Additional construction supervision
- **Mobility Authority interested in opening to traffic as early as reasonably achievable providing:**
 - Increased safety and mobility
 - Added schedule certainty
 - Positive financial benefit

Contract Amendment Summary



Direct Connector	Milestone Date		Maximum Incentive		Late Completion Daily Liquidated Damages	
	Original	Proposed	Original	Proposed*	Original	Proposed
Southbound SH 130 to Westbound 290E	8/26/2020	8/26/2020	45 days (\$8,000/day)	170 days (\$8,000/day)	\$8,000	\$8,000
Northbound SH 130 to Westbound 290E	6/10/2021	12/3/2020	n/a	100 days (\$5,000/day)	n/a	\$5,000
Eastbound 290E to Southbound SH 130 (Full Project)	6/10/2021	6/10/2021	n/a	n/a	\$18,000	\$18,000

Proposed changes to contract completion terms shown in red

* Any amended incentives earned will be realized by the Contractor upon issuance of Full Project substantial completion



1. Contractor proposed additional incentives for early completion to offset their costs for an accelerated delivery schedule
2. Potentially could bring two of the direct connectors into service sooner than anticipated
3. If all incentives requirements are met, could add up to \$1.8 million of project costs
4. These costs would be offset by \$4.3 million of additional toll revenue and reduced overhead costs due to the earlier opening

Staff recommends approval of the contract amendment

Justin Word, P.E. - Director of Engineering

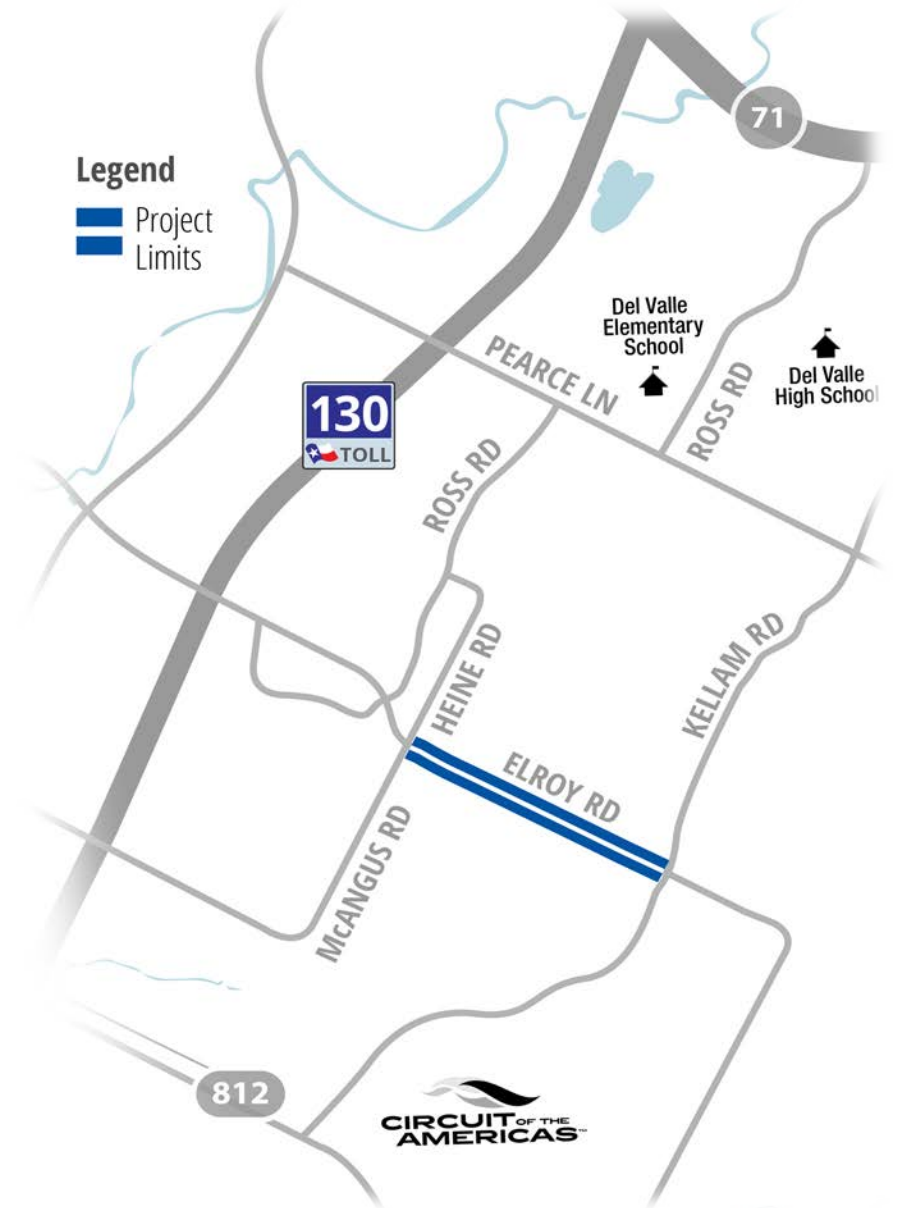
**9 Award a construction contract
for the Elroy Road Project**



Elroy Road Project



- **Project Description:** Existing 2-lane road will be reconstructed to 5-lanes with a continuous turn lane, bike lanes and sidewalks
- **Limits:** From McAngus Rd to Kellam Rd
- **Total Project Cost:** \$26 Million
- **Construction Cost:** \$18.2 million
- This resolution allows for the award and execution of a construction contract contingent upon funds from Travis County





Prequalified Contractors

- James Construction Group, LLC
- Capital Excavation
- Jordan Foster Construction, LLC
- Chasco Constructors, Ltd., LLP
- Austin Bridge & Road, LP
- Webber, LLC



Six Responsive and Responsible Bids Received

Contractor	Bid Price
James Construction Group, LLC	\$18,158,501.29
Austin Bridge & Road, LP	\$19,011,548.35
Chasco Constructors	\$19,040,948.80
Jordan Foster Construction, LLC	\$20,875,102.29
Capital Excavation	\$20,913,496.40
Webber, LLC	\$22,517,611.05

Engineer's Estimate: \$19.0 million



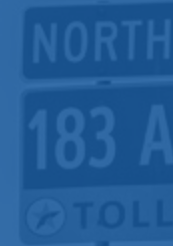
Recommendation

- Staff is requesting approval to award the contract to James Construction Group, LLC, the contractor with the lowest responsive and responsible bid contingent upon the construction funds being deposited by Travis County to the Elroy Trust Account

Tracie Brown – Director of Operations

10

Authorize the Executive Director to negotiate and execute an interlocal agreement with Camino Real Regional Mobility Authority for transaction processing, image review, and Pay By Mail billing services





About the Camino Real Regional Mobility Authority (CRRMA)

- Created in 2007 by El Paso City Council
- Governed by a 7-member board of directors
- Provides local leadership on transportation and helps address congestion problems by developing and building infrastructure
- Toll projects include Cesar Chavez Express Toll Lanes and the Loop 375 (Americas Avenue) Managed Lanes



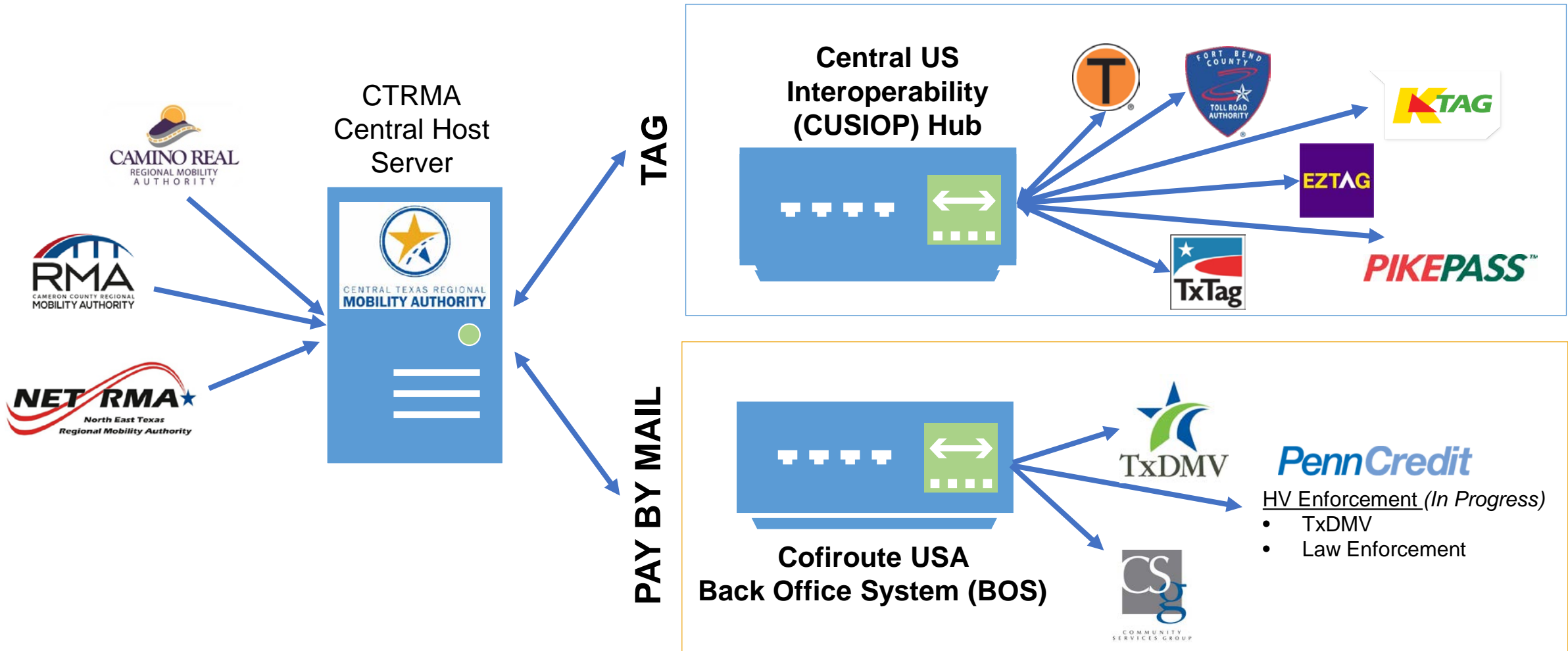


CTRMA & CRRMA Partnership

- In 2013 the CTRMA Board approved an Interlocal Agreement (ILA) with CRRMA for electronic toll transaction processing and video toll collection services through the Mobility Authority's third-party vendors
 - Services provided by Schneider Electric and MSB
 - Performed on a pass-through basis at zero cost to the Mobility Authority



Transaction Processing Overview





CTRMA & CRRMA Partnership

- In May 2019 the CRRMA Board approved a new ILA with the Mobility Authority for electronic toll transaction processing, video toll collection and image review services
 - Services provided by CTRMA's vendors
 - Performed on a pass-through basis at zero cost to the Mobility Authority
 - CRRMA required to pay its proportionate share of CUSIOP hardware and software maintenance costs



Staff Recommendation

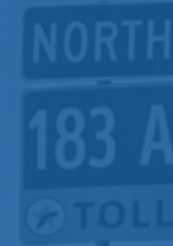
- Authorize the Executive Director to negotiate and execute an Interlocal Agreement (ILA) with the Camino Real Regional Mobility Authority (CRRMA) for transaction processing, image review and Pay By Mail billing services

Tracie Brown – Director of Operations

Greg Mack - Assistant Director of IT and Toll Systems

11

Approve an agreement with GTS Technology Solutions, Inc. for the installation of automatic license plate reader technology for the Mobility Authority's habitual violator enforcement program





Habitual Violator Background

- In September 2018 the Mobility Authority Board approved a habitual violator program that seeks to:
 - Ensure all users pay their fair share
 - Encourage prompt payment
 - Promote electronic toll tag usage - the best value for paying tolls



Habitual Violator Qualification

- A **Habitual Violator** is a registered owner of a vehicle who a toll project entity determines:
 - Has been issued 2 notices of nonpayment
 - Has an aggregate of 100 or more events of nonpayment within a 12-month period
 - Has been issued notices containing a warning that failure to pay may result in habitual violator remedies
 - The registered owner(s) have not paid the outstanding balance for those notices



Habitual Violator Enforcement Remedies

- **After habitual violator determination appeal period has expired:**
 - Posting names of chronic violators on agency's website
 - Blocking vehicle registration renewal
- **After approval by Mobility Authority Board:**
 - Vehicle prohibition
 - Road enforcement - *warning, citation and/or vehicle impoundment possible*



Habitual Violator & Automatic License Plate Reader (ALPR) Technology

- To aid in detecting prohibited vehicles, this item proposes to install fixed and mobile license plate detection systems on Mobility Authority roadways
 - If approved, Phase I of plan will acquire and install roadway and mobile license plate detection systems on 183A and 290
 - Project will be a pilot to refine approach for future installations
 - Future phases will be brought to Board for consideration before expanding system to other roadways



The Approach

- Staff proposes to acquire 14 fixed ALPR units and one mobile ALPR for testing
 - The fixed ALPRs will be installed at the 183A and 290 ramps and gantries
 - The mobile ALPR will be placed in law enforcement vehicles to determine which approach is most effective at detecting prohibited vehicles
- Cost - \$404,526.48





How ALPR Works

- 1. Data Capture:** Fixed and mobile automated license plate recognition (ALPR) cameras take photos of license plates capturing date, time and GPS coordinates of where the photo was taken - just like smartphone cameras
- 2. Alert:** ALPR data is sent to the cloud and compared against the Authority's prohibited vehicle hot list
- 3. Notification:** Alerts regarding license plate matches are sent immediately to nearby contracted law enforcement



About GTS Technology Solutions

- GTS Technology Solutions, Inc. is a woman-owned firm headquartered in Austin, Texas and an approved Texas Department of Information Resources (DIR) vendor
- DIR's Cooperative (Co-op) Contracts program is a streamlined cooperative purchasing program that is available to government agencies like the Mobility Authority
- The State's contract with GTS expires in November 2020



Next Steps - Habitual Violator Implementation Timeline

■ July 2019

- Agreements with Travis & Williamson counties for road enforcement
- Habitual violator pre-determination letters issued

■ August 2019

- Installation of ALPR technology begins
- Habitual violator determination letters mailed
- Manual road enforcement on 183A and 290 begins

■ September 2019

- Name publication and registration holds implemented
- Board action on prohibited vehicles
- Automated road enforcement on 183A and 290 begins



Staff Recommendation

- Contract with GTS Technology Solutions under their contract with DIR for the installation of automatic license plate reader (ALPR) technology in support of the Mobility Authority's habitual violator enforcement program
- Staff will provide an update on the technology implementation when it seeks Board approval of local law enforcement contracts at the July 2019 board meeting

Mike Heiligenstein, Executive Director

12 **Executive Director Board Report**

- A. WSP USA Inc. agreement extension
- B. Presentation to Rollingwood Council
- C. Meeting with Austin City Council member regarding projects
- D. SH 45SW Update
- E. Status on 183 South, Phase I
- F. Potential Loan for MoPac North
- G. 183A Phase III Public Hearing on June 13, 2019

> **Executive Session**

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, as authorized by §551.071 (Consultation with Attorney)
15. Discuss personnel matters as authorized by §551.074 (Personnel Matters)



16. Board Workshop & Policy Discussion



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

Thank You

www.MobilityAuthority.com





CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY
