COMMUTER RAIL COMMITTEE WORKING SESSION

MONDAY OCTOBER 21, 2019 3:30 P.M.

TRINITY METRO℠

COMMUTER RAIL COMMITTEE
WORKING SESSION

MONDAY OCTOBER 21, 2019 3:30 P.M.

Fort Worth Central Station
Downtown Fort Worth
1001 Jones Street, 2nd Floor Community Room
Fort Worth, Texas 76102

Committee Members:
Nick Genua - Chairman
Dennis Dunkins
Charles Edmonds
Jon Michael Franks
Tito Rodriguez

Staff Support:
Reed Lanham, TEXRail
Jon-Erik Arjanen, TRE
Richey Thompson, TEXRail
Kevin Hunt, Security

A. CALL TO ORDER — Nick Genua

B. UPDATES

1. TEXRail Update — Reed Lanham
2. Trinity Railway Express (TRE) Update — Jon-Erik Arjanen

C. ACTION ITEMS

1.	CRC2020-01	Continued Program Management Services for TEXRail	Richey Thompson
2.	CRC2020-02	TEXRail Station Signage Project	Richey Thompson
3.	CRC2020-03	TEXRail Safety Fencing Construction	Richey Thompson
4.	CRC2020-04	Additional Funding for Oncor Relocations at Dallas/Fort Worth International Airport (DFW)	Richey Thompson
5.	CRC2020-05	Trinity Lakes Station Final Design – Additional Services	Richey Thompson
6.	CRC2020-06	Security Services Contract 17-T010	Kevin Hunt

D. OTHER BUSINESS

E. NEXT MEETING — **MONDAY, November 11, 2019 @ 3:30 pm**

F. ADJOURN

This facility is wheelchair accessible.
For accommodations for hearing or sight interpretive services, please contact Kelli Shields 48 hours in advance at 817.215.8972.

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COMMUTER RAIL COMMITTEE
INFORMATION ITEM

Item: TEXRail Update **Meeting Date:** October 21, 2019

Reed Lanham, Deputy Chief Operating Officer of Rail, will give an update on TEXRail.

TEXRail Report
September 2019

Presented by:
Deputy Chief Operating Officer of Rail
Reed Lanham

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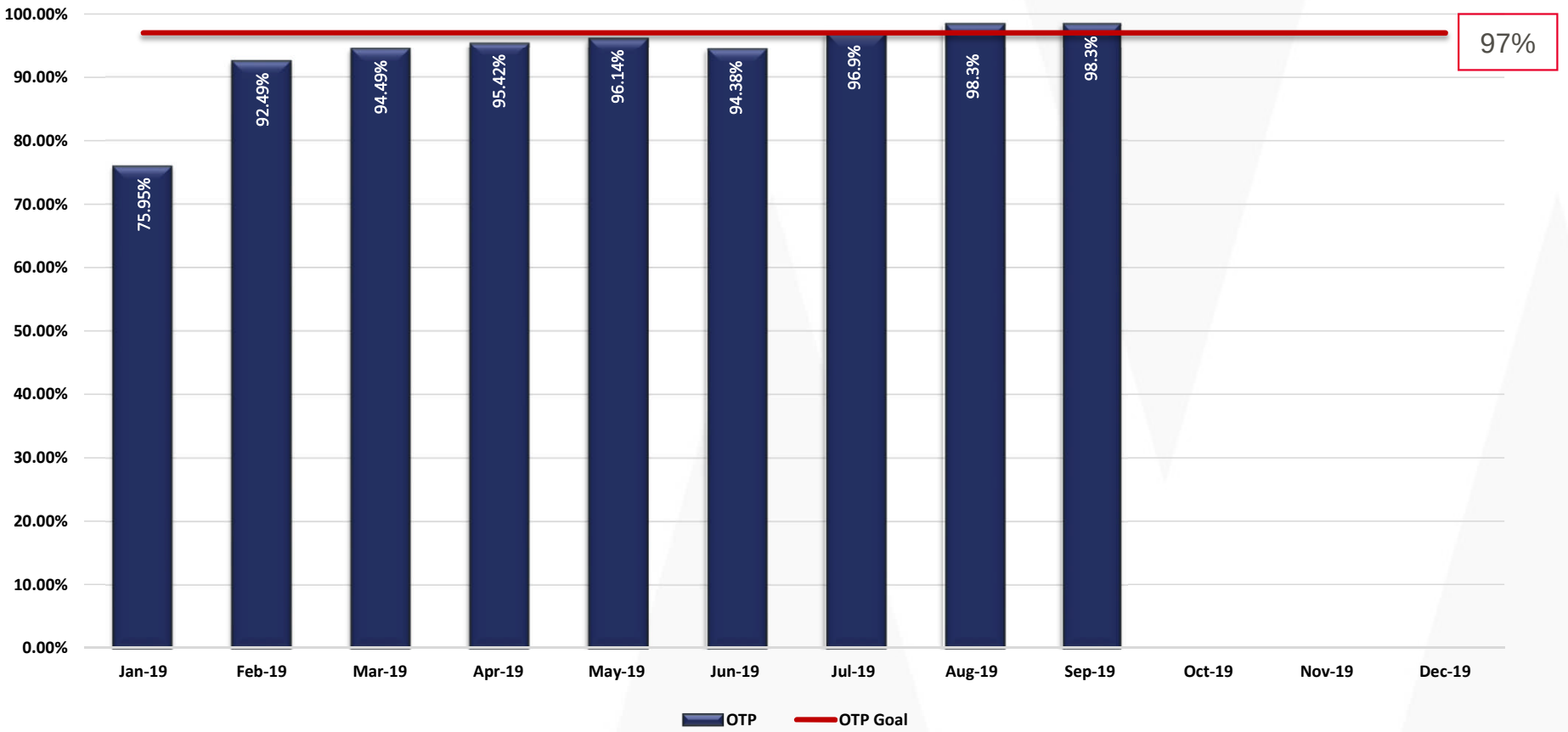
Prepared by Ebonie Wingo

TEXRail Safety

- Days without a lost time injury:
  - Transportation / MOE- 636
  - MOW/SIG – 54

Prepared by Ebonie Wingo

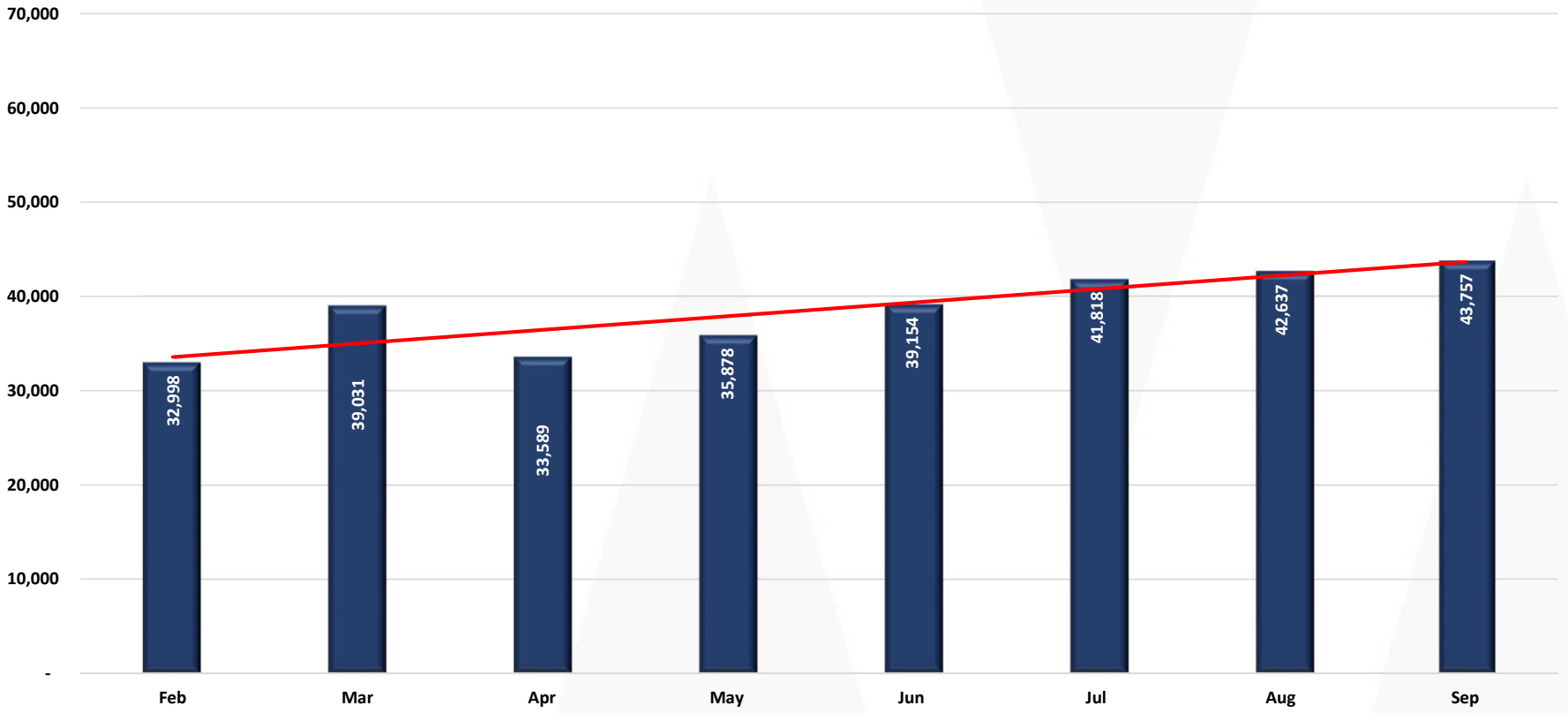
On Time Performance



Higher is better

Prepared by Ebonie Wingo

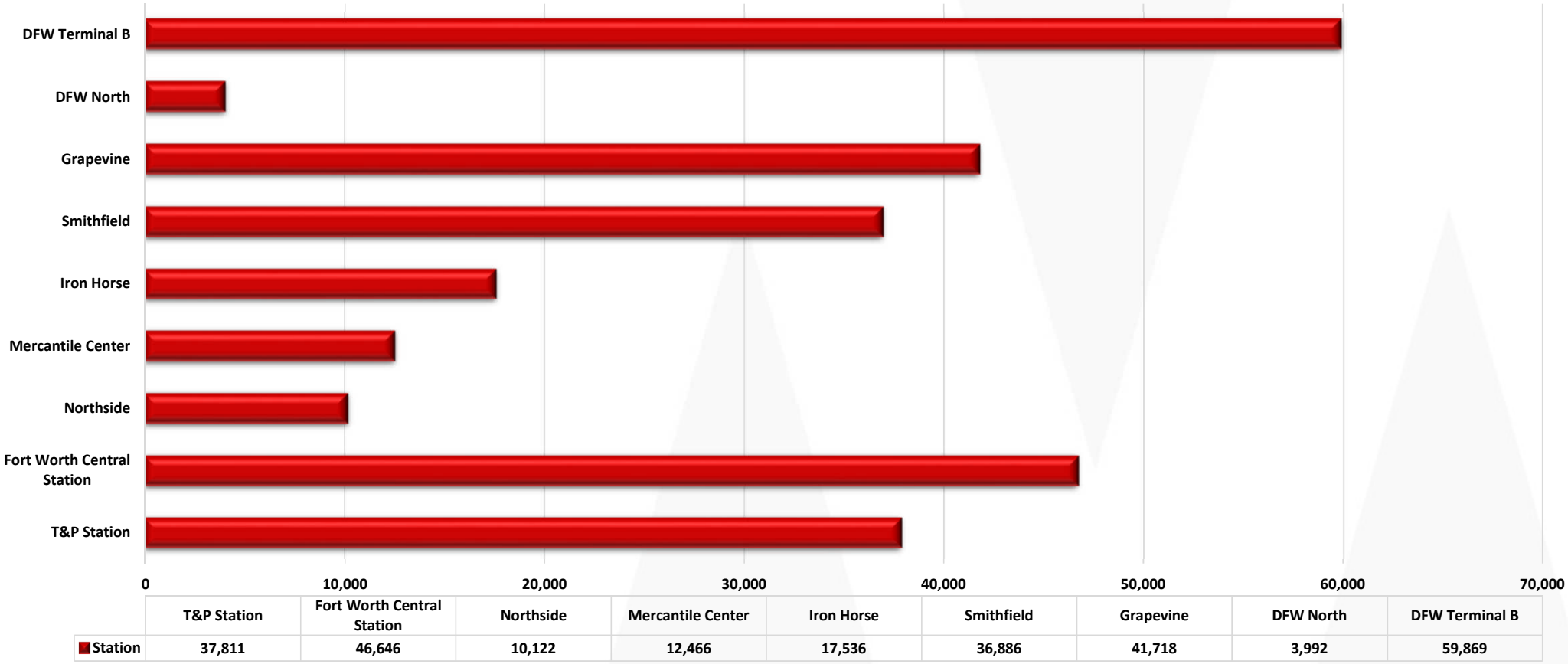
TEXRAIL Ridership



FY19 Ridership: 407,444
FY19:(Jan-Sept)

Prepared by Ebonie Wingo

Weekday Ridership



	T&P Station	Fort Worth Central Station	Northside	Mercantile Center	Iron Horse	Smithfield	Grapevine	DFW North	DFW Terminal B
Station	37,811	46,646	10,122	12,466	17,536	36,886	41,718	3,992	59,869

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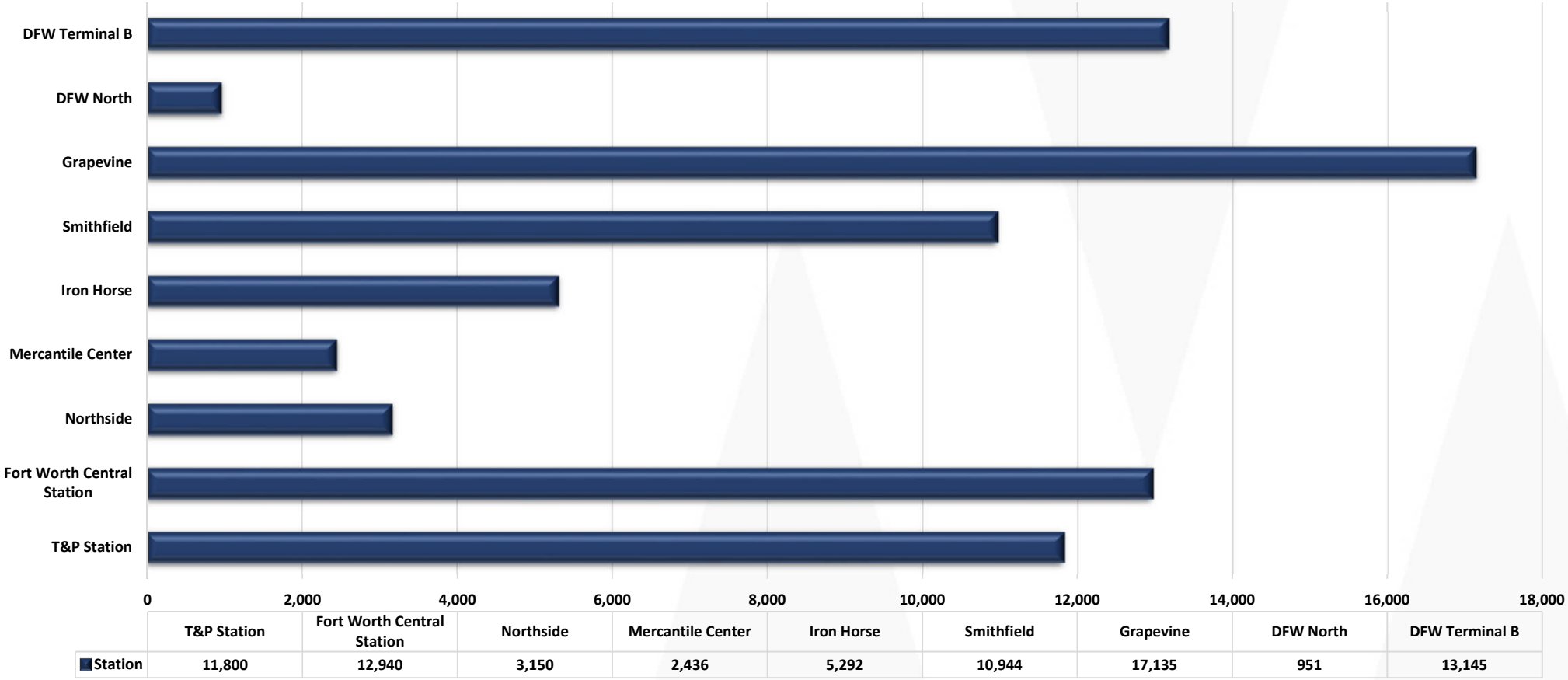
FY19 Ridership: 267,046
FY19:(Jan-Sept)

Prepared by Ebonie Wingo

Saturday Ridership

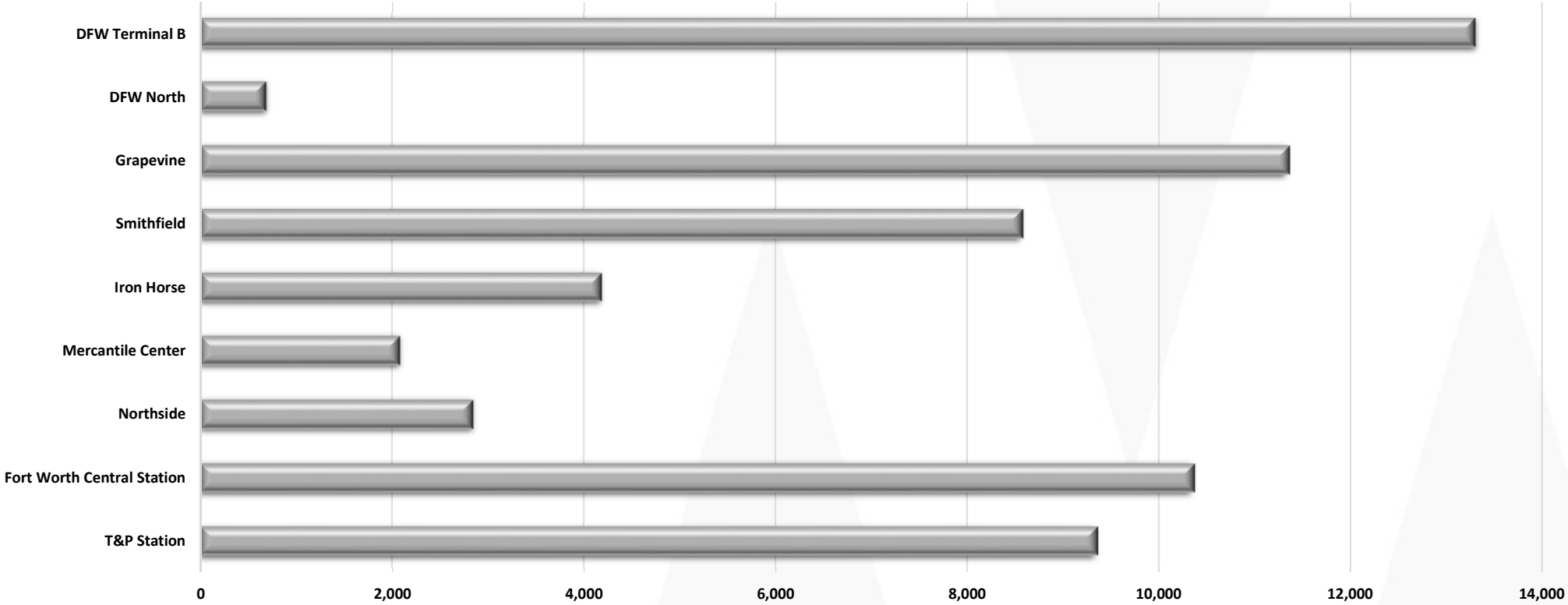


	T&P Station	Fort Worth Central Station	Northside	Mercantile Center	Iron Horse	Smithfield	Grapevine	DFW North	DFW Terminal B
Station	11,800	12,940	3,150	2,436	5,292	10,944	17,135	951	13,145

FY19 Ridership: 77,793
FY19:(Jan-Sept)

Prepared by Ebonie Wingo

Sunday Ridership



	T&P Station	Fort Worth Central Station	Northside	Mercantile Center	Iron Horse	Smithfield	Grapevine	DFW North	DFW Terminal B
Station	9,329	10,332	2,837	2,075	4,172	8,549	11,319	684	13,308

FY19 Ridership: 62,605
FY19:(Jan- Sept)

Prepared by Ebonie Wingo

COMMUTER RAIL COMMITTEE
INFORMATION ITEM

Item: Trinity Railway Express Update **Meeting Date:** October 21, 2019

Jon-Erik Arjanen, Vice President / Chief Operating Officer of Rail will give an update on Trinity Railway Express.

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TRE Report – September 2019

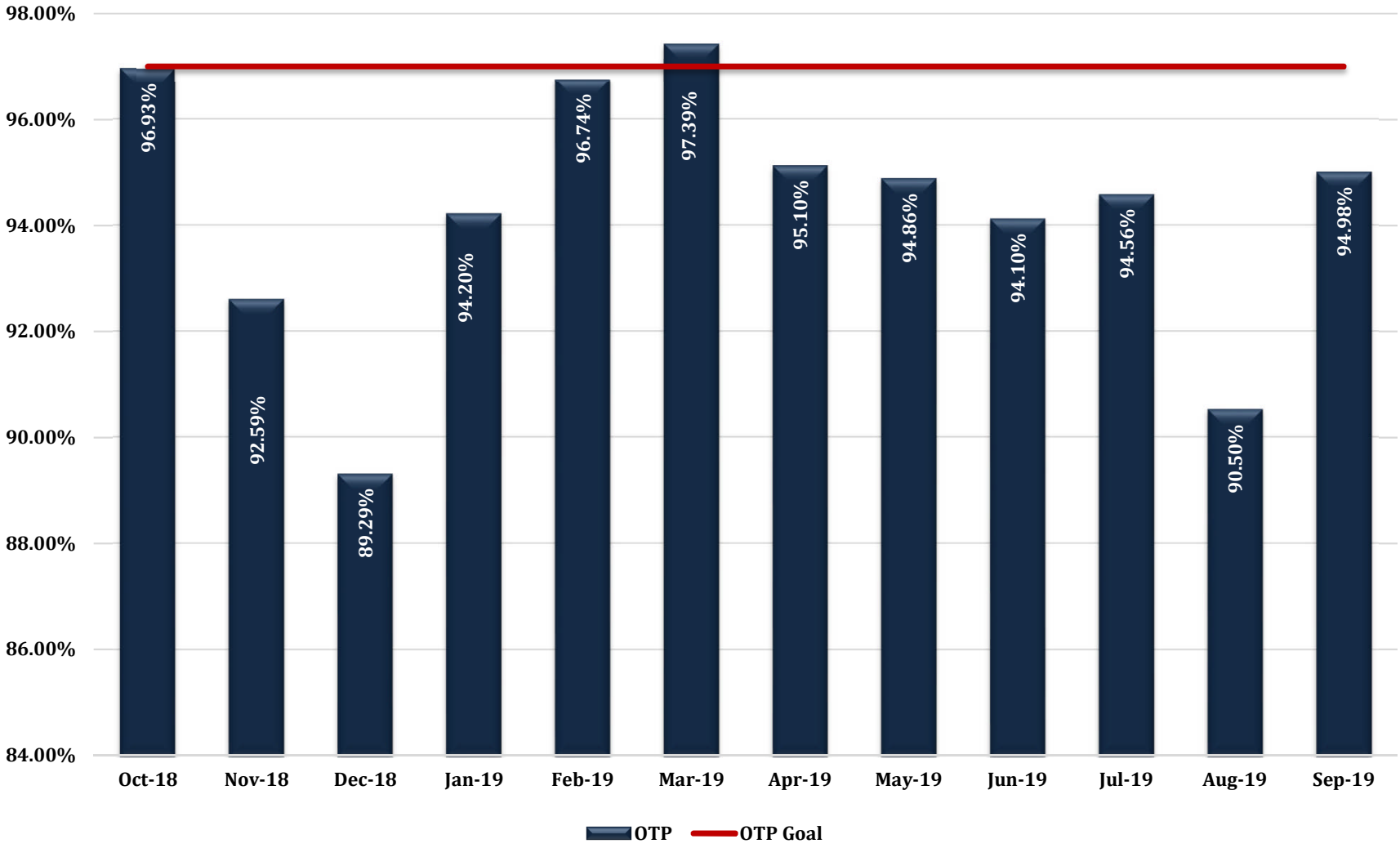
Presented by:
Vice President/COO of Rail
Jon-Erik "AJ" Arjanen

TRE Safety

- Days without a lost time injury:
  - Transportation / MOE – 402
  - MOW/SIG – 45

*As of 9/30/19

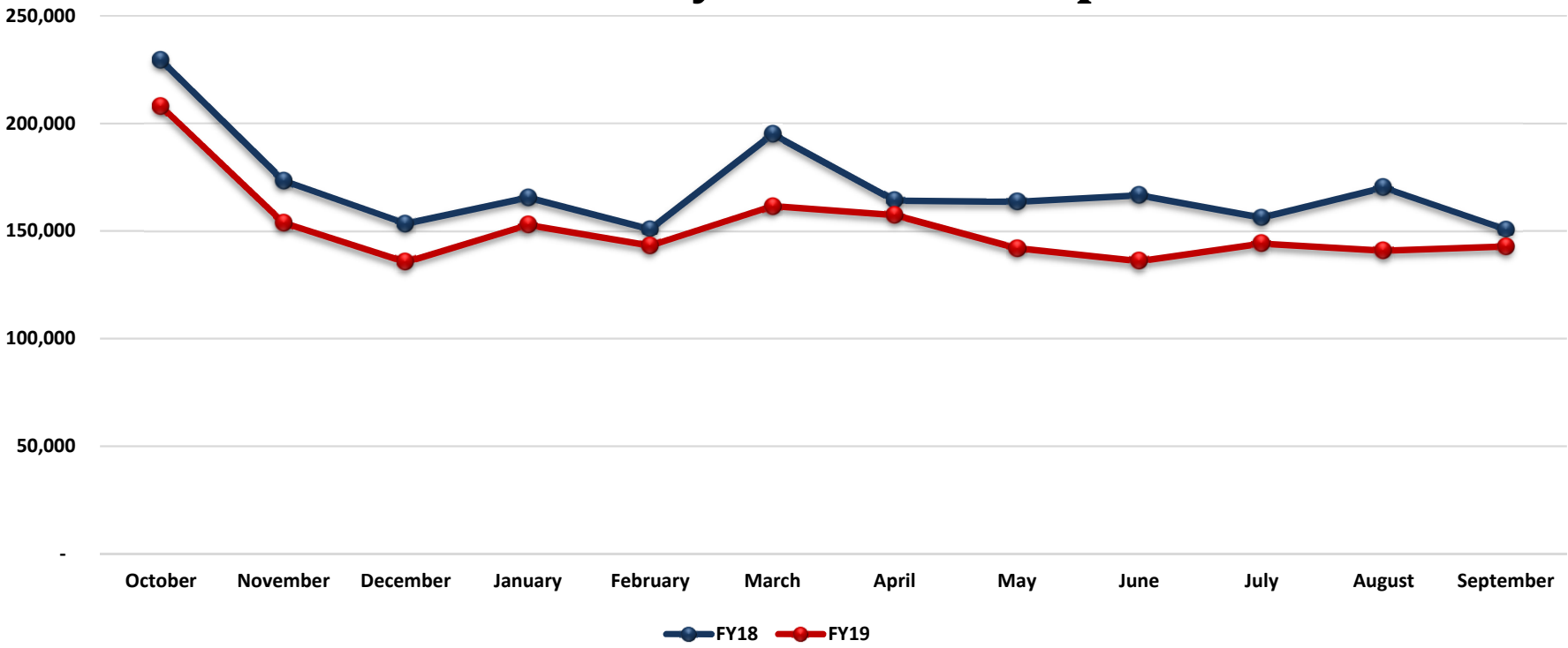
On Time Performance



Higher is better

Prepared by Ebonie Wingo

Monthly TRE Ridership



	FY18	FY19
Oct	229,262	207,909
Nov	173,419	153,874
Dec	153,430	135,589
Jan	165,573	152,839
Feb	150,861	143,268
Mar	195,002	161,629
Apr	164,051	157,357
May	163,566	142,035
Jun	166,625	136,028
Jul	156,273	144,106
Aug	170,162	140,886
Sep	150,723	142,857

Calendar	Sep-18	Sep-19
Weekdays	20	21
Saturdays	5	4
Sundays	5	5

FY19 Ridership: 1,818,377
FY18 Ridership: 2,038,947

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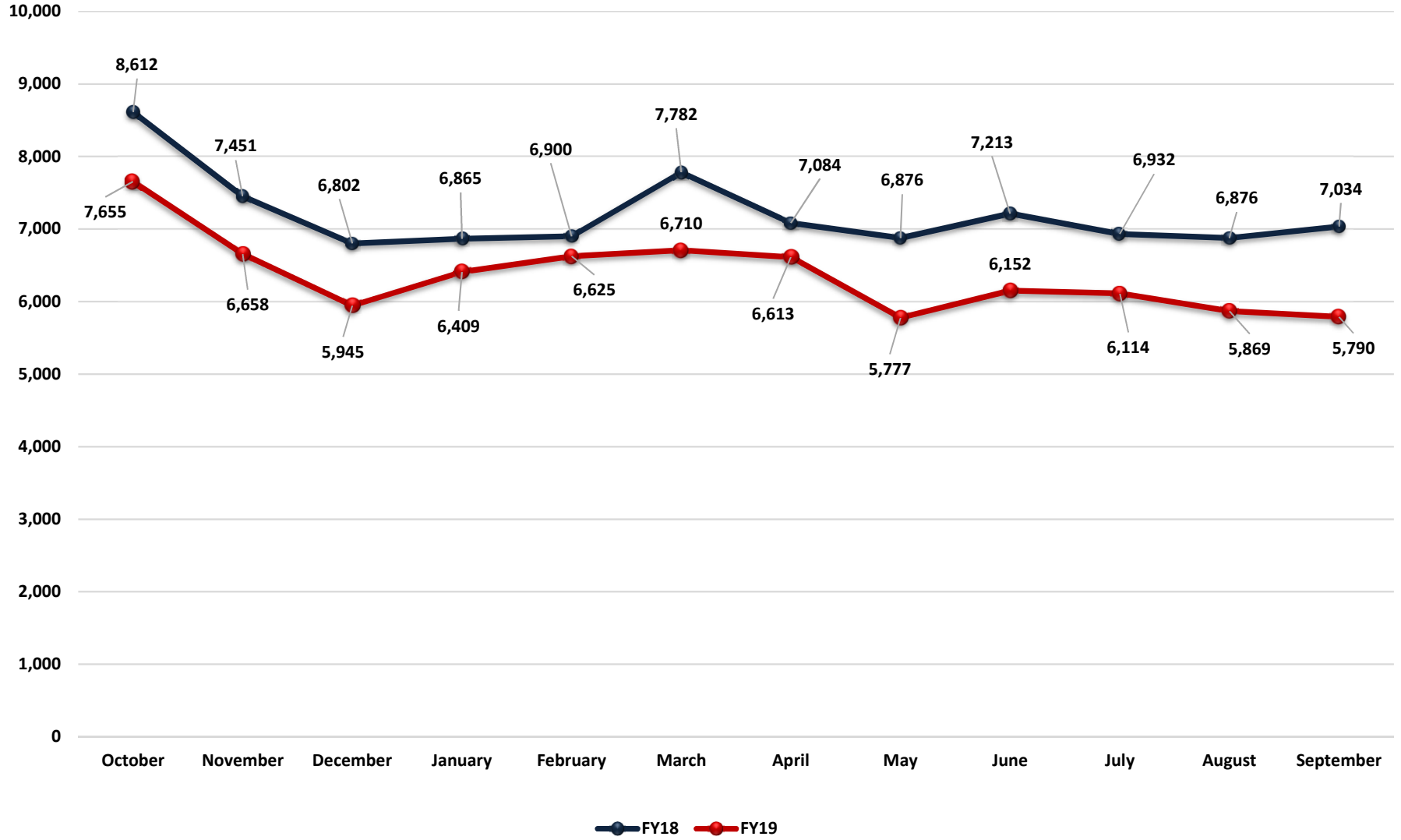
Prepared by Ebonie Wingo

Average Weekday Ridership



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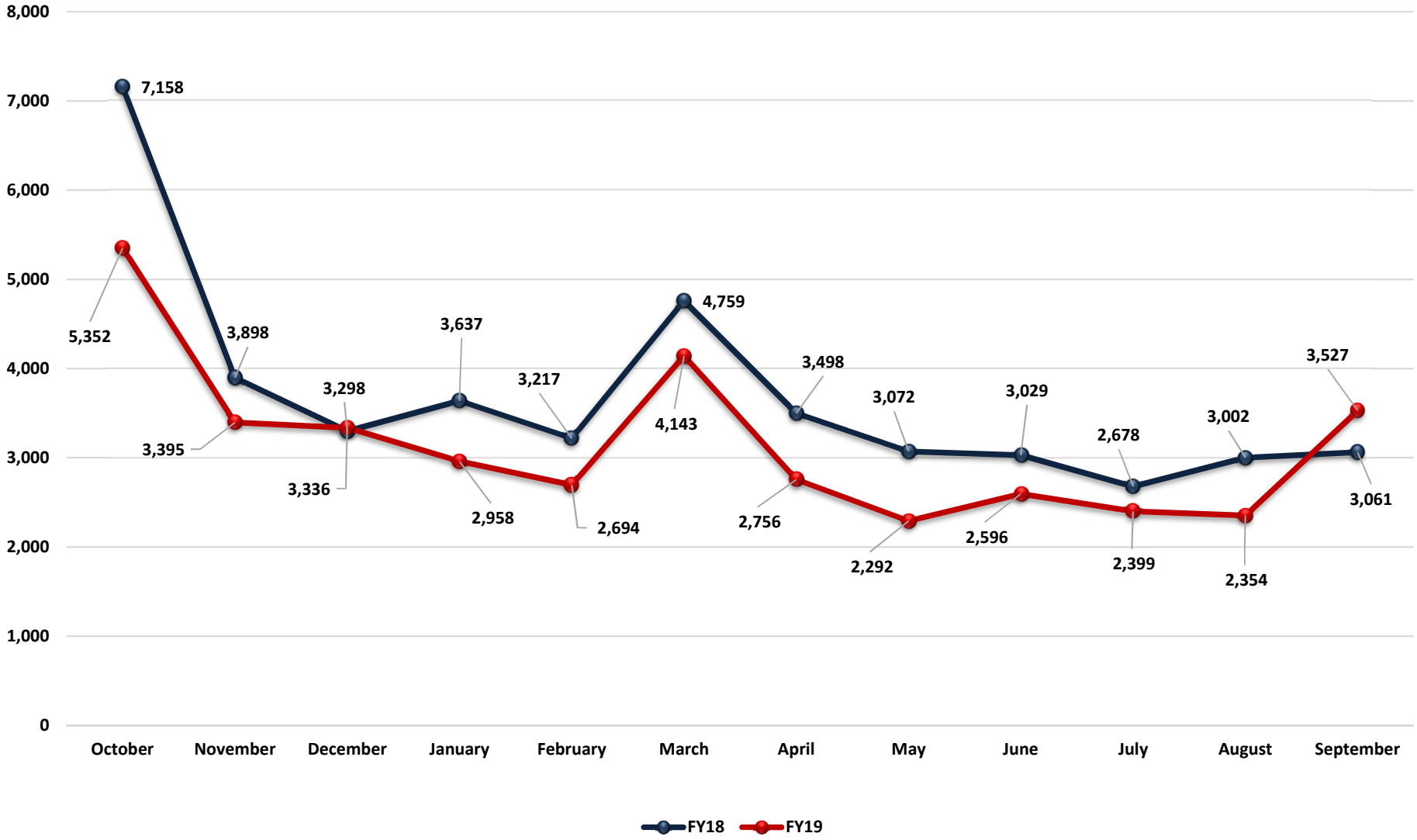
Prepared by Ebonie Wingo

Average Saturday Ridership



ACTION ITEMS

TRINITY METRO℠

COMMUTER RAIL COMMITTEE
ACTION ITEM

Item Number: CRC2020-01 **Meeting Date:** October 21, 2019
Item Title: Continued Program Management Services for TEXRail

BACKGROUND

The TEXRail Program Management Consultant CH2M (PMC) provided program management services for the TEXRail project. Although the original contract ended on September 30, 2019, Trinity Metro will need to continue utilizing the TEXRail individuals/firms that were part of the PMC team providing oversight for these required contracts through 2020. Jacobs Engineering Group Inc. has now acquired CH2M, and Jacobs Engineering Group Inc. is one of the selected firms for the Indefinite Delivery / Indefinite Quantity (IDIQ) contract. Trinity Metro seeks to issue a task order under the IDIQ contract based on Cost plus a Fixed Fee to retain the services of the following firms from the PMC Team.

- Rail Vehicle Support Services through March 31, 2020 – Jacobs Engineering Group Inc.
- Positive Train Control (PTC) System Integrator through December 31, 2020 – JGA Railway Operations Services
- Project Management Controls through December 31, 2019– Solis Group & Bowman Engineering Services

PROCUREMENT

In June 2018, Trinity Metro's Board of Directors approved contracts with six (6) IDIQ consultants to provide professional engineering services including planning, design, and construction management services to Trinity Metro.

Jacobs Engineering Group Inc. is being recommended to be awarded Task Order Number 4 to provide program management support for TEXRail in the following dollar amounts:

- Rail Vehicle Support Services - $179,914.61
- Positive Train Control (PTC) System Integrator - $581,233.19
- Project Management Controls - $156,224.92

FINANCING

Funding for the continued Program Management services for TEXRail will be funded from TEXRail Program Contingency.

TRINITY METRO

DBE UTILIZATION

Jacobs' sub-consultants, The Solis Group and Bowman Engineering & Consulting, Inc. are DBE firms and will provide 15.58% of the work.

RECOMMENDATION

We request that the Commuter Rail Committee recommend to Trinity Metro's Board of Directors to authorize the President/Chief Executive Officer to issue Task Order Number 4, with Jacobs Engineering Group Inc., in the amount of $917,372.72 for program management services for the TEXRail Project.

Approved by:

RICHEY THOMPSON, CHIEF ENGINEER	DATE	PRESIDENT/CEO
	10-14-19	

COMMUTER RAIL COMMITTEE
ACTION ITEM

Item Number: CRC2020-02 **Meeting Date:** October 21, 2019
Item Title: TEXRail Station Signage Project

BACKGROUND

TEXRail currently has shared operations with Trinity Railway Express (TRE) at both Fort Worth Central Station and the Fort Worth Texas & Pacific (T&P) Station. While new signage was planned with the TEXRail construction, the signage did not address existing signage at these two stations. Trinity Metro would like to enhance the existing station signage at these two stations to better guide customers in the purchase of tickets to ride Trinity Metro TEXRail, where to board TEXRail and where to find customer service and other amenities. The project includes the manufacturing and installation of new signs, modification of existing signage, and removal of existing sign face, applying new graphics film on existing signs and painting, along with the new customer facing signage planned at the two existing shared stations with TRE. With increased customer traffic using the existing stations and with new customers traveling through the stations, it is necessary for Trinity Metro to update existing signage at both Fort Worth Central Station and Fort Worth T&P Station as well as provide additional track designation signage at the six other stations.

PROCUREMENT

In accordance with Trinity Metro's Procurement Policy, Invitation for Bid (IFB 19-T045) for TEXRail Signage Project, was issued on September 9, 2019. The IFB was issued to establish a contract for a firm to complete the construction work within 120 days following the Notice to Proceed.

Only one firm responded to the IFB and complied with the bid requirements. Bid responses were received from:

CONTRACTOR	BID AMOUNT
Cockrell Enovation	$275,410.00

Cockrell Enovation submitted a responsive, responsible, and complete bid.

Since only one bid was received, Trinity Metro's Procurement Department completed a cost analysis and documented the reasonableness of the cost. Trinity Metro's Procurement Department has followed the procurement policy with the Invitation for Bid and is in compliance with all applicable Federal, State, and the Trinity Metro procurement requirements.

FINANCING

Funding for the TEXRail Station Signage Project will be funded from the TEXRail Program Contingency.

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DBE UTILIZATION

Cockrell Enovation has committed, and has adequately documented its good faith efforts to meet the DBE goal of 5%.

RECOMMENDATION

We request that the Commuter Rail Committee recommend to Trinity Metro's Board of Directors to authorize the President/Chief Executive Officer to execute a contract with Cockrell Enovation in the amount of $275,410.00 and a 15% contingency for a total amount not to exceed $316,721.50 for the manufacturing and installation services for the TEXRail Station Signage Project.

Approved by:

RICHEY THOMPSON, CHIEF ENGINEER	DATE	PRESIDENT/CEO
	10-14-19	

COMMUTER RAIL COMMITTEE
ACTION ITEM

Item Number: CRC2020-03 **Meeting Date:** October 21, 2019
Item Title: TEXRail Safety Fencing Construction

BACKGROUND

The TEXRail system currently has a hike and bike trail that runs parallel to the alignment beginning in North Richland Hills and ending in Grapevine. In addition to the existing trail system there are several instances where residential fences along the TEXRail right-of-way have gates providing direct access to the corridor. Trinity Metro desires to install safety fencing along the TEXRail tracks to provide a physical separation between the tracks and the existing hike and bike trails, deter potential trespass locations or close gaps in the existing right-of-way fencing.

PROCUREMENT

In accordance with Trinity Metro's Procurement Policy, Invitation for Bid (IFB 19-T043) for TEXRail Safety Fencing Project, was issued on July 29, 2019. The IFB was issued to establish a contract for a firm to complete the construction work within 180 days following the Notice to Proceed.

Eight firms responded to the IFB and complied with the bid requirements. Bid responses were received from:

CONTRACTOR	BID AMOUNT
Anchor Group, Inc.	$3,330,221.73
Archer Western Construction, LLC	$4,018,176.10
Buzz Services, LLC	$2,740,198.86
Construction Rent-A-Fence	$3,584,062.00
Llano River Fence Company	$2,317,581.94
North Rock Construction, LLC	$4,018,176.10
Robinson Fence	$2,208,389.00
Scott Tucker Construction Services	$2,190,661.71

Scott Tucker Construction Services submitted the lowest responsive, responsible, and complete bid.

Trinity Metro's Procurement Department has followed procurement policy with the Invitation for Bid and is in compliance with all applicable Federal, State, and the Trinity Metro procurement requirements.

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FINANCING

Funding for the fencing construction will be funded from TEXRail Program Contingency.

DBE UTILIZATION

Scott Tucker Construction Company has committed and has adequately documented its good faith efforts to meet the DBE goal of 15%.

RECOMMENDATION

We request that the Commuter Rail Committee recommend to Trinity Metro's Board of Directors to authorize the President/Chief Executive Officer to execute a contract with Scott Tucker Construction Company in the amount of $2,190,661.71 and a 15% contingency for a total amount not to exceed $2,519,261 for construction services for the TEXRail Safety Fencing Project.

Approved by:

RICHEY THOMPSON, CHIEF ENGINEER	DATE	PRESIDENT/CEO
	10-14-19	

TRINITY METRO

COMMUTER RAIL COMMITTEE
ACTION ITEM

Item Number: CRC2020-04 **Meeting Date:** October 21, 2019
Item Title: Additional Funding for Oncor Relocations at Dallas/Fort Worth International Airport (DFW)

BACKGROUND

In November 2014, Notice to Proceed (NTP) was issued to Parsons/TranSystems Joint Venture (P-TS) for final design of TEXRail.

Discussions with Oncor were held during the design phase to relocate Oncor utilities along the TEXRail alignment.

On May 18, 2016, a preliminary cost estimate was submitted to Trinity Metro from Oncor for adjustments/relocations of facilities in Segment 4 (DFW Airport) with an estimated cost of $621,606.00.

On June 27, 2016, Trinity Metro Board of Directors authorized the President/CEO to execute an Agreement for Adjustment of Utility with Oncor Electric Delivery Company for adjustments/relocations of their facilities in Segment 4 (DFW Airport) in an amount of $621,606.00 and a 20% contingency ($124,321.20) to cover any unforeseen circumstances, for an amount not to exceed $745,927.20.

Design work by Oncor continued to refine the design and estimates prior to construction beginning in 2017. This additional design work resulted in estimated costs of $737,928.36 when relocation agreements for the three projects were executed in February of 2017.

Construction work proceeded in Segment 4, including excavation for the depressed section of the track near the DFW Airport Radar site (ASR-9). On November 16, 2017, Oncor provided Trinity Metro notice of increased costs for the portion of the relocations adjacent to the Radar site. The reason for increased costs were for additional manholes and underground line that were not identified and included in the original plans. The resulting increase in Oncor's estimate at that time was $120,204.00. This increased the estimated cost of work to $858,132.36.

During 2018, Oncor had verbal discussions with contractor personnel and Trinity Metro representatives regarding various changes to work needed along the Southbound Service Road near the North Remote Parking. A specific estimate was not provided, although both Oncor and Trinity Metro acknowledged that costs would need to be increased to accommodate the additional Oncor labor and contract costs. Oncor added additional contractors in order to complete the relocations which helped with completion of the TEXRail construction work in late 2018.

The agreement with Oncor provides for payment of actual costs. The actual invoiced work totals $1,294,400.45.

PROCUREMENT

This contract is a sole source procurement with Oncor. The Director of Contracts and Procurement has made a determination that there is only one source for the required adjustment/relocation in accordance with Trinity Metro's Procurement Policy. The Contract type is a Cost Reimbursable Contract through which Trinity Metro will pay Oncor actual costs for the adjustments/relocations. The Contract does not include any profit or fee.

FINANCING

Funding for the Oncor utility relocations will be funded from TEXRail Program Contingency.

RECOMMENDATION

We request that the Commuter Rail Committee recommend to Trinity Metro's Board of Directors to authorize the President/Chief Executive Officer to increase the funds for Oncor Electric Delivery Company agreement in an amount of $556,500.00 for a new total amount of $1,294,500.00.

Approved by:

RICHEY THOMPSON, CHIEF ENGINEER	DATE	PRESIDENT/CEO
	10-14-19	

COMMUTER RAIL COMMITTEE
ACTION ITEM

Item Number: CRC2020-05 **Meeting Date:** October 21, 2019
Item Title: Trinity Lakes Station Final Design – Additional Services

BACKGROUND

On June 25, 2018 Trinity Metro's Board of Directors approved a task order for Hayden Consultants to provide planning services for Trinity Railway Express (TRE) Trinity Lakes Station. The planning services, which included the preparation of the environmental documents and preliminary design have been completed.

On April 15, 2019, Trinity Metro's Board of Directors approved a task order to TranSystems Corporation for the Final Design Phase for TRE Trinity Lakes Station, which is on schedule to be completed in December 2019.

The original Task Order Number 4 issued to TranSystems Corporation neglected to include railroad signaling system design. In addition to omitting the signal design portion in final design services, several discrepancies surfaced with the Preliminary Engineering Documents that need to be rectified with the advanced development of the final design documents. The changes included major alignment revisions to resolve conflicts with IH-820 existing bridge columns and will address TRE's staff comments for maintaining the ability to operate at 79 mph. The alignment revisions led to greater than anticipated level of effort for the drainage design, utility coordination, and crash wall design for the existing IH-820 bridge columns.

The additional scope and level of effort requires a supplemental task order to cover the additional design costs and keep the final design effort on schedule to be completed by December 2019. The Trinity Lakes Station is scheduled to be operational by December 2020.

PROCUREMENT

In April 2019, Trinity Metro's Board of Directors approved a task order to TranSystems Corporation for the Final Design Phase for Trinity Lakes Station. TranSystems Corporation submitted a request for additional design services for the final design of the Trinity Lakes Station for the reasons outlined above.

FINANCING

Funding for Trinity Lakes Station is included in Trinity Metro's FY2020 Capital Budget.

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RECOMMENDATION

We request that the Commuter Rail Committee recommend to Trinity Metro's Board of Directors to authorize the President/Chief Executive Officer to issue a Task Order Number 4-2 to TranSystems Corporation in the amount of $325,746.00 for additional design services for the final design of Trinity Lakes Station.

Approved by:

RICHEY THOMPSON, CHIEF ENGINEER	DATE	PRESIDENT/CEO
	10-14-19	

TRINITY METRO℠

COMMUTER RAIL COMMITTEE
ACTION ITEM

Item Number: CRC2020-06 **Meeting Date:** October 21, 2019
Item Title: Security Services Contract 17-T010

BACKGROUND

In April 2017, under BA2017-57, Trinity Metro entered into an agreement with Allied Universal Services, under contract #17-T010, to provide physical security protection of Trinity Metro's passengers and transportation assets. Included in these services are 24-hour site security at the Fort Worth Central and Texas & Pacific (T&P) Stations; weekday security vehicle patrols of the TEXRail park-and-ride stations, as well as Trinity Railway Express's (TRE) Centreport, Bell, and Richland Hills Stations; and off-duty police officers providing security protection on board the TEXRail & TRE rail systems.

As Trinity Metro has expanded its transit services to include ZIPZONE, TEXRail thirty-minute commuter service, and the DASH, the need for increased security measures is significant towards improving the safety culture for passengers and transportation assets. The Allied Universal Services contract can provide for such increased security measures through personnel and 'smart' technological systems and robotics enhancements by:

A. Dedicating 140 hours per week physical security presence to Central Station bus & rail platforms.

B. Providing 40 hours per week on-site and mobile Supervision, to manage daily administrative functions, scheduling, and monitoring to ensure efficient coverage by personnel and resources.

C. Deployment of various 'Smart' video surveillance & interactive security technologies and robotics to the Fort Worth Central, T&P, and East Fort Worth Transfer Stations to monitor activity and engage customers through 'real time' & automated voice command.

FINANCING

Allied Universal Services completed a review to address the additional security measures and enhancements associated with Trinity Metro's increased assets, and provided a proposal for the services. Security staffing hours, structured within the existing contract, were identified for realignment as a measure of offsetting costs associated with the proposed enhancements. The additional equipment and staffing have been approved for the Fiscal Year 2020 Budget and would be included in the existing security services contract. All costs associated with the increased services would be allocated annually at pre-existing rates within the contract. The five-year security services agreement and modification is currently $8,806,384. The additional annual costs to Security Services Contract 17-T010 for increased staffing of approximately 180 weekly service hours and deployment of video surveillance and interactive technology & enhancements would be:

FY 2020 -	$245,509
FY 2021 -	$247,278
Total -	$492,787

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RECOMMENDATION

We request that the Commuter Rail Committee recommend to Trinity Metro's Board of Directors, to authorize the President/Chief Executive Officer to amend the contract with Allied Universal for additional security services and enhancements, for a cost of $492,787. The total amended contract cost would be $9,299,171 over the life of the contract.

Approved by:

Kevin Hunt — 10/14/19

KEVIN HUNT, DIRECTOR OF SECURITY **DATE**

JON-ERIK ARJANEN, VICE PRESIDENT/ CHIEF OPERATING RAIL

TRINITY METRO

Security Services Contract 17-T010

*All equipment & personnel provided by Allied Security Services. Deployment of surveillance and robotics video surveillance technologies will occur at the following locations:

"Smart" Video Surveillance & Robotics	Cost per Month	Cost per Year
Central Station:		
K-5 Robot interactive mobile video surveillance cameras **(1)** – Main Lobby & Kiosk	$7,600	$91,200
SCOT 2.0 7-ft. Tower interactive video surveillance cameras **(1)** – Courtyard Trolley	$2,184	$26,208
ROSA wall mount interactive surveillance cameras **(1)** – South Pavilion	$728	$8,736
T&P Station:		
ROSA wall mount interactive surveillance cameras **(3)** – Ballroom & tunnel concourse	$2,184	$26,208
East Transfer Center:		
SCOT 2.0 7-ft. Tower interactive video surveillance cameras **(1)** – Center Island	$2,188	$26,208
ROSA wall mount interactive surveillance cameras **(1)** – identified nuisance bus shelter (transportable)	$728	$8,736
Physical Security Staffing	**Cost per Month**	**Cost per Year**
Central Station Bus & Rail Platform – permanent security presence 140-hours per week	$13,917	$167,003
Site Supervision – schedule and monitor duties of security and police personnel, 40-hours per week	$5,006	$60,071
TRE Friday & Saturday 12-hour security coverage	$1,193	$14,315