

Semiannual Transit Operator's Business Meeting



Settling in 8:30 AM - 8:40 AM

July 10, 2025



Agenda

8:30 A.M. – 8:40 A.M.	1. Settling in / Welcome	
	2. Safety Brief	
	3. Director's Report	
	4. FTA Update	
	5. Service Expansion Program Update	
10:00 A.M.	6. Break	
	7. Transit Leadership Program	
	8. EV Pilot Update: Lessons Learned	
11:30 A.M.	9. Lunch	
1:00 P.M.	10. Transit Workers Assault – Are you prepared?	
1:45 P.M.	11. Five-year Regional Coordination Plans	
2:15 P.M.	12. Break	
2:30 P.M.	13. Statewide Multimodal Transit Plan (SMTP) Update	
3:00 P.M.	14. General Q & A / Adjourn	



Agenda #2: Safety Brief

Building Safety Information





2901 Read Granberry Trail, Austin, TX 78758 | 512.471.5898





EXITS

Exit



Number of Exits: Six exits

Locations By:

- Stadium/Lil Tex
- Big Tex/Atrium
 - Balcones
- Balcones/Commons Café
 - Campus Dining

Tornado/Severe Weather Warning



UT outdoor alarm will sound. Shelter in place is gym/locker rooms





Assembly Location

Assembly Location: Is at the soccer field across the Exploration Way









Fire Extinguisher and Defibrillators





Agenda #3: Director's Report

• Key Agenda Items:

- Service Expansion Program
- Transit Leadership Program
- Five Year Regional Coordination Plans
- Statewide Multimodal Transit Plan

Other items

- Legislative Session Results
- Upcoming Commission Actions: July \$96 million in transit program funding
- Bus and Bus Facilities Discretionary Grant Application
- Upcoming Rule Making
- National RTAP Conference December 7-10, 2025 @ the Hyatt Regency Austin.



Agenda #4: FTA Updates





Agenda #5: Service Expansion Program

Program Goal:

- Expand service in unserved and underserved areas using the most efficient combination of service design, quality service, resources, innovation, and technology available.
- Demonstrate the use and effectiveness of additional funding for service

Funding and Projects

- 12 Million for FY 2024 and FY 2025; continued through FY 2027
- 20 RTD's participating
- 48 Approved Projects
 - 4 Early Projects (June 2024 Start)
 - 25 FY 2025 Projects (September 2024 Start)
 - 19 Phase 2 FY 2025 Projects (March 2025 Start)





Phase 1 and 2 Burn Rate

Number of months for full expenditure	By PGA end date of 8/31/26	Within 3 months of PGA end date	Within 8 Months of PGA end date	More than 9 months after PGA end date
Number of agencies	1	1	4	13*

14 Months left in FY 2025 PGAs

Billings through the end of June

- Total RFR's to date: \$2,505,790
- 30–60-day lag time on current billings

Issues:

- 4 agencies in red are showing a burn rate that would take more than <u>100</u> months for full expenditure
- * 3 agencies burn rate are unknown due to lack of billings

Performance Status

Number of Key Performance Indicators Met	5	3-4	1-2	0
Phase 1 Projects	4	9	14	2
Phase 2 Projects	0	7	5	7

Performance numbers are based on information through May 2025

Significant Data Issues:

- Issues with almost half the agency reports
- Lack of timely reporting
- Incomplete reports/ incorrect data



Program Timeline

FY2024	FY 2025	FY 2026	FY 2027
June (2024) July	September September October November January C (2025) February March May June June D July	September October November January O (2026) February March May June June July	September

Phase 1 Early start

Phase 1 Start

Phase 2 Start

Reprogramming of Funds

Future Funding Amounts Determined

2025 PGA Expiration Date

2026-2027 Biennium Awards Effective

Q - Quarterly Data Assessed

Quarters:

Sept.-Nov.

Dec.-Feb.

Mar.-May.

Jun.-Aug.



Next steps:

- Reprogramming funds by end of FY 2025
 - The commission authorized the adjustment of award amounts to each SEP agency within 25% of their total award
 - Total amount awarded must not exceed the \$12M total
 - Some PGAs to be reduced, others increased
 - Expiration dates potentially revised
 - Decisions: July 21, 2025
 - Amendments executed: August 31, 2025
- FY 5339 Discretionary NOFO
 - \$3M for SEP fleet expansion
 - FTA decision anticipated Sept. 2025



BREAK

Agenda #6: Where in the world?



Where in the world?





Agenda #7: VALUE OF TRANSIT AND TEXAS TRANSIT LEADERSHIP INSTITUTE SUMMARY Mark Aesch and Ehren Bingaman



- 1. Value of Transit Opportunity
- 2. Recap of TTLI 2024/2025 Developing an Action Oriented Strategic Plan
- 3. TTLI 2025/2026 Leadership Development Call for Candidates



VALUE OF TRANSIT OPPORTUNITY



Re-Visiting The Traditional Transit Mindset Getting More Money & Moving More People





State of the Industry

If Ridership is the Definition of Success....





Industry Transformation





How Transit Transformed



If you get to pick one, what would you choose?

Ridership



Happier Customers



Community Value





Far more community members find value in transit than actually use it.



Let's Move from Telling Our Story

To Telling THEIR Story

VALUE OF TRANSIT: OUTCOMES BASED METRICS AND STATEWIDE DASHBOARD

LIMITED NATIONAL OUTCOMES



Health

- Satisfaction
- Connectivity
- Ridership
- Congestion

- Environment
 Economic Impact
 - Economic Development
- Community
 Finance
 - Workforce

TXDOT INVITES YOU TO JOIN IN THE TRANSFORMATION

Inviting agencies of all size across Texas to define a draft set of metrics that will form the foundation of *value*

of transit performance reporting:

- 1. Metric Development
 - 2. Metric Reporting



VALUE OF TRANSIT: OUTCOMES BASED METRICS AND STATEWIDE DASHBOARD



Value of Transit Report to share with Stakeholders, Board, and Community





The World is Changing, We Are Not....





Changing the thinking of our transit organizations requires changed leaders, let's talk about how TxDOT is creating a space for these leaders to lead...







Series of Three (3) Focus Groups To Take Place Early



Interested in participating?

Email David Johnson at David@transproconsulting.co m

RECAP OF TTLI 2024-2025

2025 TTLI Strategic Plan Certified Agencies



City of New Braunfels

STAR Transit

Fort Bend Transit

City of Waco

Brazos Transit District

Gulf Coast Transit District

Lower Rio Grande Valley Development Council

East Texas Council of Governments



2025 TTLI Strategic Plan Topics Covered

✓ Organizing Around Your Why

Developing Purposeful Mission, Vision and Values

- ✓ Defining What Success Looks Like Developing Success Outcomes not Activities
- Having Clarity Around How The Agency Shows Up Developing Strategic Work Plans
- ✓ Identifying Who is Championing Implementation Strategic Dashboards to Measure Progress







"They understood we are not all the same and allowed us to work within our constraints /abilities. They pushed just enough!" -Cohort Participant





GoBusTransit.com (%) 903-215-8870 A 2000 Name David Viscon TV 7544

TAKING YOU WHERE YOU NEED TO GO IN EAST TEXAS



"Connecting the Valley One Ride at a Time."

STRATEGIC PLAN



Alumni Panelist Discussion


TTLI 2025-2026 Call for Candidates

TEXAS TRANSIT LEADERSHIP INSTITUTE – NEXT OPPORTUNITY

Join us for an exclusive gathering of transit leaders and executives to broaden and develop leadership skills in (and out!) of the transit space!

Next Class

Begins October 2025

Self development topics including:

Developing your personal brand, communicating your why, and developing personal success goals.

Leading teams including topics around communication strategies, providing feedback and developing success outcomes that move the needle for your customers.

Industry and community facing topics such as measuring value over volume, focusing on what matters most to your community, managing your message, and celebrating success.



SPACE IS LIMITED!

Interested in joining the 2025-2026 TTLI Cohort? Submit a letter of interest along with a current bio/resume to: Vicki.AldrighettiMata@txdot.gov

Download our Program Flyer Here:



Agenda #8: Electric Vehicle Pilot Implementation

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Interim Update

July 9, 2025





Electric Vehicle Pilot Overview

- Project Update
- Vehicle Procurement
- Charger Procurement
- Charger Installation
- Performance Monitoring
- Next Steps



Pilot Project Update

	Planned	Status
CARTS	 5 Electric Vans 5 Level 2 chargers (Bastrop Station, Taylor Station, and Depot) 	 Vehicles Delivered Chargers Installed Performance is being monitored
SCRPT	 4 Electric Cutaways 4 Level 2 chargers	Vehicles awaiting deliveryChargers Installed
STAR	 5 Electric Cutaways 5 Level 2 chargers (depot) 1 DC Fast Charger (depot) 	 Vehicles awaiting delivery Chargers delivered Construction contract awarded with construction start in beginning of July
El Paso County	 4 Electric Cutaways 5 Level 2 chargers (Sun Metro's Westside Transfer Center) 1 DC Fast Charger (Sun Metro's Westside Transfer Center) 	 Vehicles awaiting delivery Chargers purchased and are stored awaiting installation Charging infrastructure design underway



Vehicle Procurement

- Limited amount of light and medium duty vehicles available on the market
- Only one van and one cutaway models that have participated in Altoona testing and meet Buy America
 - Ford E-Transit van and UES electric cutaway (Altoona testing still ongoing)
- Agencies preferred to complete procurements
 through open state contracts
 - Oklahoma state contract used for van procurement
 - Georgia state contract used for cutaway procurements



Ford E-Transit Electric Van



UES Electric Cutaway



Vehicle Selection: Electric Vans

- Ford E-Transit Van
 - Original Equipment Manufacturer (OEM) Product
 - Model1 Commercial Vehicles upfits the vehicles with transit seating and other optional equipment and sells them through the Oklahoma state contract
 - 89 kWh battery capacity
 - Typically, 3-2 seating
 - 80-150 miles of range dependent on duty cycle and age of vehicles



Ford E-Transit Electric Van





Vehicle Selection: Electric Cutaways

- Purchased from ABC Bus Company (retailer) who has an open contract with the State of Georgia
- Not an OEM product
 - Aftermarket upfit of E-450 chassis by Unique Electric Solutions (UES) in Long Island, New York
 - Internal combustion drivetrain is removed and replaced with electric propulsion and batteries
- 120 kWh of battery capacity
- 10+2 Seating arrangement



10+2 Seating Layout



Example Completed Electric Cutaway



Electric Cutaways: Upfitting Process

Year





Electric Cutaways: Example Chassis



Example of a cutaway chassis being upfit with electric propulsion by UES for a transit 46 agency in New York



Charger Selection

- Ford provides level 2 (AC) chargers with the purchase of the E-Transit vans
- Chargers are not provided with the UES cutaways, so separately purchased
- Hatch evaluated various charger models and suppliers to identify the most qualified vendor
 - ChargePoint was selected because they:
 - Have the largest open charging system network in the world
 - Demonstrated product reliability and support
 - Supply Buy America compliant level 2 (AC) and level 3 (DC fast chargers) chargers
 - Were available through a cooperative purchasing contract (Sourcewell)
- All chargers have been procured and delivered



Ford Level 2 Charger



ChargePoint Level 3 (DCFC) Charger



Installation of Level 2 Chargers

- CARTS and SCRPT installed level 2 chargers only
- Installation of level 2 chargers are typically less complicated than the installation of level 3 chargers
 - Do not require detailed engineering drawings
 - Utility and panel upgrades are typically minimal
 - CARTS issued purchase order for installation services in May 2024
 - Installation was completed in July of 2024
 - SCRPT issued purchase order for charger installation in March 2025
 - Installation was completed in May 2025





Charger installation at Taylor Station (CARTS)



Installation of Level 3 Chargers

- El Paso County and STAR are installing level 2 and level 3 chargers
- Installation of level 3 chargers increases complexity and costs compared to the SCRPT and CARTS projects
 - Require detailed engineering drawings which take 3-6 months to prepare
 - STAR detailed design completed in May 2025, contractor selected and construction starts in beginning of July 2025
 - El Paso County design will be completed as soon as the County conducts a survey of the installation site
 - Construction expected to take 8-12 weeks to complete at each location
 - Utility upgrades are substantial and expensive



Draft Charger Installation Design Layout for STAR



Performance Monitoring

- As vehicles and chargers go into service, performance is being monitored using telematics software
- Data loggers and wireless communications devices are installed on vehicles and chargers to transmit data
- Telematics software monitors performance and status of vehicles and chargers in real time
- Ford provides telematics software with the purchase of the E-Transit vans to be used by CARTS
- Third party ViriCiti telematics equipment and software was purchased to monitor chargers and vehicles for SCRPT, STAR, and El Paso County



Ford Telematics (used by CARTS)



ViriCiti telematics (used by El Paso County, SCRPT, and STAR)



Performance Monitoring

- TxDOT and the participating agencies selected the following performance metrics to track with the telematics software:
 - Vehicle efficiency
 - Vehicle charging costs
 - Vehicle Utilization
 - Emissions Mitigations
- CARTS is the only agency which has begun service with the pilot vehicles and chargers
 - The following slides present the data collected thus far



Ford Telematics (used by CARTS)



CARTS chargers at Bastrop location 51

CARTS Performance Monitoring: Van Efficiency

- Efficiency for electric vans is converted to miles per gallon gasoline equivalent (mpgge) for comparison to internal combustion vehicles
- Fuel efficiency tends to drop during summer months, likely due to increased use of cooling systems and battery performance
- In all scenarios, electric vans are far more efficient than gasoline counterparts



CARTS Performance Monitoring: Fuel/Charging Cost

- Overall, electricity cost per mile for EVs is 21% of the comparable gasoline cost per mile
- Charging costs increase during summer months based on vehicle efficiency
- Taylor electricity cost is higher than Bastrop due to local utility pricing
- Gasoline cost based on EIA TX average cost



Electric Van Greenhouse Gas Emissions

- Electric vehicles GHG emissions based on average TX power grid mix
- Gasoline vehicle GHG emissions based on monthly fleet miles
- Emissions are highly dependent on miles traveled for the month



Greenhouse Gas Comparison per mile



Next Steps

- Complete charger installation for STAR (August -September 2025)
- Delivery of cutaway vehicles expected to start September 2025
- Complete charger designs and installations for El Paso County (Fall 2025)
- Monitor performance of vehicles and chargers through 2027
- Author final report on project findings (End of 2025)













6th National RTAP Conference



Wrangling Access and Mobility in Rural and Tribal Transit December 7-10, 2025 – Austin, Texas

Five Topical Conference Tracks, preconference/conference workshops

Administration and Compliance
Coordination and Planning
Operations and Technology
Training and Guidance

- Innovations and Research
- •Workshops
- •Grant Writing
- •Financial Management
- •Planning
- •Others



Agenda #10: Transit Workers Assault Are you prepared? Scott Lewis/GM-Longview Transit



Five Year Regional Public Transportation Coordination Plan Update Application

Public Transportation Division



July 10, 2025



Agenda #11 - Preview

- 📟 Coordinated Transportation
- ✓ Why You Need a Coordination Plan
- Transit Agency Role
- Guidebook Intent
- Schedule
- % Contact



Coordinated Transportation





Coordination Plan Requirements - Federal

- Section 5310 Funding Dependent on Inclusion in Plan
- Stakeholder Engagement & Public Involvement Process Specifics
- Urbanized Areas: Project Funding Requires Inclusion In MTP, TIP, and STIP
- **Non-Urbanized (Rural) Areas**: Projects Must be In or Consistent with Texas Statewide Long-Range Transportation Plan and STIP
- **Must Align** with Title VI, ADA, other Civil Right Requirements

FTA circular C 9070.1H, effective November 1, 2024 (FTA, 2024)



Coordination Plan Requirements - State

Intent:

- 1. to **eliminate waste** in the provision of public transportation services;
- 2. to generate efficiencies that will permit increased levels of service; and
- **3.** to further the state's efforts to **reduce air pollution**.

Requirement to Identify:

- Overlaps and gaps in public transportation services and services more effectively provided by private transportation
- Underused equipment owned by public transportation providers
- Inefficiencies in the provision of public transportation service

Texas State Management Plan (TxDOT, 2024) and Chapter 461 of the Texas Transportation Code (Texas Legislature, 2003)





Types of Coordinated Transportation

Multi-Modal Integration

- Buses, vans, walking, biking, trains, cars....

• Shared Services

- Human services, public transit, ride-sharing, on-demand, demand-response, carpools, shuttles.....

Route and Schedule Coordination

- Aligning schedules and routes, transfers, connections.....

• Information Sharing and Technology

 Real-time vehicle-location information, customer-facing apps, scheduling technology, GTFS feeds.....



Examples of Coordination Strategies

Cooperative Agreements

- Sharing information
- Joint procurements

Joint Use Agreements

- Purchasing support services
- Vehicle sharing
- Facility sharing
- Technology sharing

Purchase of Service / Consolidation

- Purchasing rides
 - Commingled
 - Separate
- Consolidated system



Transit Agency Role

#1 Request: be active and stay engaged now and during plan implementation

- Assign a representative who can attend meetings and follow up on action items (consider having a back up)
- Respond to requests for information from your lead agency/the consultants working on the plan
- Prepare to engage your riders as part of public involvement and plan review
- Consider collaboration opportunities as they arise
- Discuss any issues with the plan with the coordination committee so that you can achieve consensus



Guidebook Intent

- To provide information and tools to the Lead Coordination Agencies & Regional Coordinating Committees
- To provide guidance in:
 - Determining projects, strategies, and approaches
 - Prioritizing projects, strategies and approaches
 - Developing a Plan that is organized based on the new outline
 - Utilizing methodologies and tools that will help develop content
 - Developing a Plan that meets Federal and State requirements



Parts of the Plan

- Public Outreach & Community Engagement
- Geographic Area Assessment
- Demographic Assessment
- Transportation Assessment
- Transportation Needs & Gaps Assessment
- Goals, Strategies, Projects Prioritization
- Approvals from Lead Agency and Coordination Council

Transportation Provider Assessment







Makes up a large portion of the Plan

Provides a crucial component to understanding unmet need Usually done via Transportation Provider Survey



Transportation Provider Survey

Provider Survey/Questionnaire

- General Information
- Service modes, models and policies, including existing instances of coordination
- Fleet inventory and utilization
- Vehicle operators
- Supporting technology
- Ridership, Operating Costs, Revenues
- Perceptions of needs met and unmet

Survey with Follow-up or Interviews

Whatever makes sense to get data

Plot Provider Services on County/Regional Maps

- Create Maps for different days/time periods
- Distinguish services by client/trip eligibility



Fleet Inventory and Utilization Assessment

- The fun part
- The hard part
- Where the rubber meets the road

Useful Tips:

- This is where coordination happens
- Consider cost allocation opportunities
- Be curious and approach your inventory like a puzzle





Supporting Technology

- Another important puzzle piece
- Varying degrees of technical complexity
- Important to consider technological appropriateness

Key questions to answer:

- What systems are used for collecting trip requests and assigning those requests to drivers and vehicles? Is it working? How do you know?
- What are the primary objectives of the technology being used? Are those goals being met? How do you know?
- Do the goals for the technology match your goals as a coordinating body?




Five Year Coordination Plan Guidebook and Appendices

Coordination Plan Guidebook

https://transitplanningtx.org/resource/coordination-plan-guidebook/

Appendices

https://transitplanningtx.org/resource/guidebook-tools-and-templates/



Coordination Plan Timeline (Suggested) July 2025-January 2026

July	August	September	October	November	December	January
	Begin Survey preparing completed; Transportatio Follow-Up Provider			Assess Duplication of Service and Gaps by County, Service Days and Times, Eligible Customers, and Trip Purpose		
				Interim Repo before		
					PTN R	eview



Coordination Plan Timeline (Suggested) February-October 2026

Feb	March	April	May	June	July	August	Sept	October
Identifica Prioritizatio	ation and on of Unmet eds			June	July	Ragast		occoper
		Developme and Stra						
				Prioritization Workshop				
					Draft Final Plan		Final Plan	
							RCC Approval	
								Plan Submitted to PTN



Questions?

If you don't want to ask now, talk to your PTC

- They will reach out to me if you need further clarification or information
- We can have a call to discuss



Agenda #12: Break



Texas Statewide Multimodal Transit Plan

PTN Semi-Annual Operators' Meeting



July 10, 2025



Agenda #13: Texas SMTP 2050 Development Timeline



Texas Transit Vision

A safe, universally accessible, and integrated network of transit mobility options that connects people seamlessly, both locally and across the state, supporting an improved quality of life and a resilient and vibrant economy by 2050 and beyond.

Texas SMTP 2050 Goals



1515

:*:

Asset Preservation

Mobility

me into the

Connectivity

Economic Vitality

Stewardship



Outreach and Engagement: Fall 2023 – Fall 2024







Texas SMTP 2050 Contributors



TxDOT Districts and Divisions Added input on key issues related to planning and transit Economic Development and Innovation Groups Discussed insights and key issues related to transit and business

Public Stakeholders Weighed in on transit priorities via surveys, in-person events, responses to social media efforts, and public comment forms Municipalities Discussed potential synergies between transit and planning as well as community transit priorities

Metropolitan Planning Organizations Provided input on key issues related to planning and transit

Transit Operators MTAs, UTDs, and RTDs offered feedback on transit priorities & case studies Public Transportation Advisory Committee Confirmed plan direction, provided guidance, and reviewed findings

Emphasis-Area Working Groups Provided subjectmatter expertise on key topics as MTA and transit district leaders, planners, and researchers



Needs, Gaps, and Challenges

Technical analysis and feedback from public and stakeholder engagement efforts were used to identify transit needs, gaps, and challenges.

	<u>Q</u> Q		RA I
Urban and Rural Area Transit Services	Intercity Connections	Planning and Design	Funding – Expand and Maintain Services
 Growing urban areas Transit access to economic opportunity Congestion Rural and small urban area general mobility networks Workforce recruitment, training and retention 	 Statewide transit service network and connectivity Intercity connectivity Governance limitations 	 Transit and the transportation planning and design process Resilience for transit Public awareness of transit's importance Inconsistent considerations of transit in economic development Aligning transit with development and transit- supportive land uses 	 Need to expand and maintain service levels - projected cost and funding Need to maintain aging transit infrastructure and assets Funding for new and improved service Limited funding mechanisms to support new service, existing service, and service- related capital investments



Strategies

Needs, gaps, and challenges were aligned with corresponding strategies intended to address the issues. The strategies below emerged from a list of over 250 ideas and have been crafted with stakeholder feedback at top of mind.

	<u>Q</u> Q		JE J
Urban and Rural Area Transit Services	Intercity Connections	Planning and Design	Funding – Expand and Maintain Services
 Establish minimum levels of service and identification of priority corridors Integrate all transit modes and mobility options with other transportation modes Establish institutional and organizational partnerships to promote comprehensive workforce development 	 Identify a statewide route and hub network Develop governance framework for statewide and regional intercity services Implement technology to transform seamless travel statewide 	 Research and documentation of state-wide Texas transit benefits Integrate transit through local, regional, and statewide planning Incorporate transportation technology Prioritize safety and resiliency Enhanced research, reporting and knowledge sharing 	 Maximize use of existing funding Expand sources, flexibility, and levels of funding



Advancing Strategies: Initial Implementation Steps

Building on the initial strategies and implementation actions, priority steps have been identified to jumpstart the process and build a strong foundation for realizing *Texas SMTP 2050*.



Establish a community of practice to address small urban and rural transit challenges. *TxDOT-facilitated*



Develop a statewide transit network and hub plan. *TxDOT-led*



Develop flexible statewide transit planning and design guidelines. *TxDOT-facilitated*



Develop success metrics, enhance and broaden data collection, and develop consistent reporting. *TxDOT-facilitated*



Identify options to increase flexibility of funding sources and identify new and innovative funding sources to expand and maintain transit. *TxDOT-supported*



Formalize a plan for regular outreach and education on benefits of transit. *TxDOT-led and supported*



What's Next for Texas SMTP 2050





Fall 2025 Outreach

- Public meetings around the state
 - Transit district partner tables join us!
- Virtual presentation, materials, and full plan available online for public comment
- TxDOT social media campaign
- Meetings with transit districts, MPOs, advocates, and other key stakeholders





July 10, 2025

Questions?



Agenda #14: General Q & A / Adjourn

Next meeting: TBD

- January 2026?
- 2026 TTA Conference April 28 thru May 2, 2026