

MEETING AGENDA

TxDOT Bicycle and Pedestrian Advisory Committee (BPAC) Meeting July 26, 2024 - 9:30 A.M.

Note: This meeting will be held remotely via Zoom Teleconference instructions below

1.	Call to Order.		
2.	Safety briefing.		
3.	Approval of minutes from April 12, 2024 BPAC meeting. (Action)		
4.	Report from TxDOT's Public Transportation Division (PTN) Director regarding statewide bicycle and pedestrian matters.		
5.	Chair and Vice Chair elections. (Action)		
6.	Update on TxDOT's Statewide Active Transportation Plan.		
7.	Presentation on micromobility best practices.		
8.	Presentation and discussion on the Texas Statewide Resiliency Plan.		
9.	Presentation on The Loop Dallas.		
10.	Updates from committee members on local and statewide issues.		
11.	Public comment – Comments will be accepted during the meeting or submitted by email to BikePed@txdot.gov by August 5, 2024, to be included as part of the meeting record.		
12.	Discussion of agenda items for future BPAC meetings.		
13.	Adjourn. (Action)		

The BPAC meeting will be conducted in English. If you need an interpreter or document translator because English is not your primary language or you have difficulty communicating effectively in English, one will be provided for you. If you have a disability and need assistance, special arrangements can be made to accommodate most needs. If you need interpretation or translation services or you are a person with a disability who requires an accommodation to attend or participate in the BPAC meeting, please contact Greg Reininger, PTN, at (737) 285-6184 no later than 4 p.m. CT, July 22, 2024. Please be aware that advance notice is required as some services and accommodations may require time for TxDOT to arrange.



BPAC Members

Karla Windsor, Chair, Dallas/Ft. Worth Philip Hiatt Haigh, Vice Chair, Dallas Andrew Bernet, Austin John Brigham, Houston Ericka Cornejo, El Paso Eva Garcia, Brownsville Kim Hooker, Amarillo Norman Kieke, Austin Will Parrish, San Marcos Frank Rotnofsky, Laredo Lynnette Wood, Lindale

TxDOT Technical Staff

Eric Gleason, Director, Public Transportation Division (PTN)
Bonnie Sherman, Planning & Program Development Director, PTN
Noah Heath, Transportation Alternatives Program Manager, PTN
Greg Reininger, Bicycle & Pedestrian Planner, PTN
Greg Goldman, Data Manager, PTN
Brigida Gonzalez, Planner, PTN
Elizabeth Jones, Planner, PTN
Carl Seifert, Transportation Planner (Contractor), Jacobs
Lauren Osborne, Transportation Planner (Contractor), Jacobs

* * *

Teleconference instructions:

Event address for attendees:

https://cmd-txdot-

gov.zoomgov.com/i/1618317631?pwd=Nk9pNihxRENoMEpyd3pOUIJqcldrQT09

Passcode: 174030 Or One tap mobile :

- +16692545252,,1618317631# US (San Jose)
- +16692161590,,1618317631# US (San Jose)

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

- +1 669 254 5252 US (San Jose)
- +1 669 216 1590 US (San Jose)
- +1 415 449 4000 US (US Spanish Line)
- +1 646 964 1167 US (US Spanish Line)
- +1 551 285 1373 US (New Jersey)
- +1 646 828 7666 US (New York)

Webinar ID: 161 831 7631

MINUTES FOR ADOPTION

Bicycle and Pedestrian Advisory Committee (BPAC) – 6230 E Stassney Ln, Austin, TX 78744 April 12, 2024

BPAC Committee Members Present and Participating:

Karla Windsor, Chair, Dallas/Ft. Worth Andrew Bernet, Austin

John Brigham, Houston

Eva Garcia, Brownsville

Kim Hooker, Amarillo

Will Parrish, San Marcos

Frank Rotnofsky, Laredo

Lynnette Wood, Lindale

Norman Kieke, Austin

BPAC Committee Members Absent:

Philip Hiatt Haigh, Vice Chair, Dallas Ericka Cornejo, El Paso

TxDOT Present and Participating:

Eric Gleason, Director (PTN)

Bonnie Sherman, Statewide Bicycle / Pedestrian Program Supervisor (PTN)

Noah Heath, Transportation Alternatives (TA) Program Manager (PTN)

Greg Reininger, Statewide Bicycle / Pedestrian Planner (PTN)

Also, Present and/or Participating:

Carl Seifert, Jacobs Engineering Group Jeff Whitacre, Kimley-Horn and Associates Aaron Sussman, Toole Design Group Hanna Hutcheson, FHWA

AGENDA ITEM 1: Call to Order.

Karla Windsor, calls the meeting to order at 9:30 A.M.

AGENDA ITEM 2: Safety briefing.

Greg Reininger presented this item beginning at 9:31 A.M.

Comments: No comments

AGENDA ITEM 3: Approval of minutes from January 26, 2024 BPAC meeting. (Action)

Karla Windsor introduced this item at 9:33 A.M.

MOTION Frank Rotnofsky moved to approve the January 26, 2024 BPAC

meeting minutes.

SECOND Will Parrish seconded the motion.

The motion passed unanimously at 9:34 A.M.

Comments: No comments

AGENDA ITEM 4: Report from TxDOT's Public Transportation Division (PTN) Director regarding statewide bicycle and pedestrian matters

Eric Gleason presented this item at 9:34 A.M.

Comments/Questions: No Comments/Questions

AGENDA ITEM 5: Update on TxDOT's Statewide Active Transportation Plan.

Jeff Whitacre presented this item at 9:39 A.M.

Comments/Questions: Karla Windsor, Eva Garcia, John Brigham, Noah Heath, Kim Hooker, Will Parrish

AGENDA ITEM 6: Presentation on TxDOT's District Bicycle Plan Pilot.

Aaron Sussman presented the item at 10:29 A.M.

Questions/Comments: Eva Garcia, Frank Rotnofsky, Kim Hooker, Karla Windsor, Bonnie Sherman

AGENDA ITEM 7: Presentation from North Central Texas Council of Governments on Safe Routes to School.

Karla Windsor presented the item at 10:56 A.M.

Questions/Comments: Frank Rotnofsky, John Brigham, Eva Garcia

AGENDA ITEM 8: Updates from committee members on local and statewide issues.

Karla Windsor introduced the item at 11:24 A.M.

Questions/Comments: Hanna Hutcheson, Eva Garcia, Andrew Bernet, Will Parrish, Kim Hooker, Karla Windsor, Frank Rotnofsky, Norman Kieke, John Brigham, Lynnette Wood

AGENDA ITEM 9: Public comment – Comments will be accepted in person during the meeting or submitted by email to BikePed@txdot.gov by April 22, 2024, to be included as part of the meeting record.

Karla Windsor introduced this item at 11:39 A.M.

No public comments were submitted for the April 22, 2024 BPAC meeting.

AGENDA ITEM 10: Discussion of agenda items for future BPAC meetings. (Action)

Karla Windsor introduced this item at 11:40 A.M.

Questions/Comments: Andrew Bernet recommended a presentation of Public Right-of-Way Accessibility Guidelines (PROWAG).

AGENDA ITEM 11: Adjourn. (Action)

Karia Windsor adjourned the meeting at 1	1:41 A.M.	
Prepared by:	Approved by:	
•		
Greg Reininger	Karla Windsor	
Public Transportation Division	Chair, Bicycle Advisory Committee	

Statewide Active Transportation Plan





Statewide Vision for Active Transportation

A safe, accessible, connected and fully integrated pedestrian and bicycle network that increases active mobility and supports health, economic vitality, and resiliency within communities and across Texas.



Table of Contents

- 6 | Schedule
- 11 | Plan Framework / Actions and Strategies
- 29 | Next Steps Future Progress Reporting



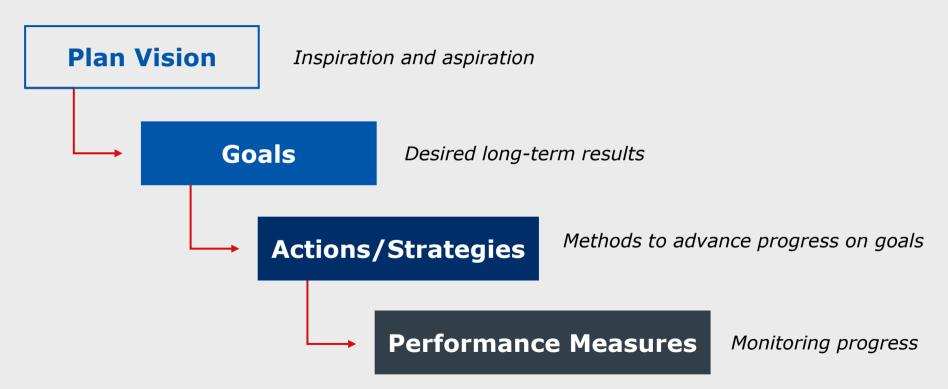


Plan Framework





Plan Framework





SATP Goals

Improve Safety, Comfort, and Accessibility

Design for safety and comfort by providing low stress level facilities.

Enhance Connectivity

Connect community destinations through plans and project identification activities; and build more connective infrastructure.

Address Community Needs

Providing mobility options for people who don't have vehicle access or rely on active transportation modes.

Support Economic Vitality

Increase accessibility and connect our workforce.

Promote Healthy Communities

Make it easier for Texans to live healthy and safe lifestyles.



Strategies - Developed from EAWG Themes

Safety, Comfort, and Accessibility

Strengthen safety, comfort, and accessibility of the state's bicycle and pedestrian system.

Overcoming Barriers

Identify and overcome barriers (network gaps, excessive crossing distances, railroads, streams, speed) to active transportation networks with emphasis on connecting key community destinations.

Project Development

Formalize the integration of active transportation elements with all stages of project development and establish requirements for consistent implementation across the state.

Optimize Funding

Optimize investments in the active transportation system to accommodate future demand.

Education and Awareness

Increase statewide awareness, promote robust participation to advance active transportation, and encourage safe practices for all users.

Partnership

Cultivate meaningful partnerships with aligned initiatives that result in improved community conditions through policies and infrastructure investments.

Design Compatibility

Promote designs that align with community context and agreed upon target users.

Mode Integration and Travel Optionality Connect and integrate active transportation with other modes, especially transit, to connect people with destinations and opportunities.

Economic Vitality

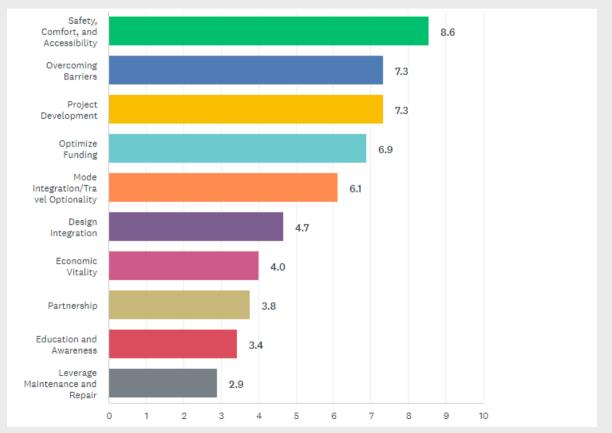
Connect people to jobs, education, and community resources.

Leverage Maintenance and Repair

Integrate active transportation features and infrastructure into recurring street maintenance where feasible.



Highest to Lowest Priority - STRATEGIES





Survey Question Considerations - Actions

- Why did you pick your top choices?
- Why did some actions not get chosen? Should they be revised?
- Were you unclear or unfamiliar with any of the actions?
- Any other revisions?



Safety, Comfort, & Accessibility

Highest Priority Actions:

- Develop additional policies, guidelines, and standards to increase accessibility and inclusion of pedestrians and bicyclists across various project types and land use contexts. (55.6%)
- Clarify the intent of the TxDOT Roadway Design Manual to provide effective separation from vehicular travelways for bicycle and pedestrian infrastructure. (44.4%)

- Consider road characteristics and land use context for any requested speed limit adjustments. (0%)
- Update the Highway Safety Improvement Program work codes to increase pedestrian and bicycle safety countermeasures. (0%)



Overcoming Barriers

Highest Priority Actions:

- Develop context-specific design examples to overcome a variety of connectivity barriers. (88.9%)
- Engage communities of need to collect information to identify transportation barriers and evaluate improvement options. (66.7%)

- Prioritize projects that include active transportation options that overcome barriers. (55.6%)
- Apply design strategies identified in the Active Transportation Plan to overcome common barriers. (55.6%)
- Use the combined investments of active transportation and transit to minimize the impact of identified barriers. (33.3%)



Project Development

Highest Priority Actions:

- Require active transportation to be integrated in all phases of project development. (66.7%)
- Consider active transportation facilities during every step of every project, except in cases where they are exempted by the TxDOT Roadway Design Manual. (44.4%)
- Review project plans for consistency with adopted local and regional active transportation plans. (44.4%)
- Increase active transportation training for project development participants. (44.4%)

- Identify technical support for rural communities to advance active transportation goals. (22.2%)
- Implement a project walk-through requirement for urban projects prior to 60% design submittal. (11.1%)



Optimize Funding

Highest Priority Actions:

- Increase active transportation funding. (77.8%)
- Continue to fund planning and conceptual designs to prepare communities for active transportation project implementation. (55.6%)

- Identify and evaluate projects using criteria that address TxDOT's strategic goals including safety, system preservation, congestion, and connectivity. (11.1%)
- Define a consistent method to identify active transportation-priority investment networks. (0%)



Education and Awareness

Highest Priority Actions:

- Align statewide policy, procedures, and internal training to advance active transportation goals. (66.7%)
- Continue using TxDOT's Traffic Safety Campaigns to raise awareness about bicycle and pedestrian safety, sharing real-life stories and safety tips. (55.6%)

- Update and evaluate the targeting of campaigns promoting safe crossing practices, the importance of designated crosswalks, and use of pedestrian signals. (22.2%)
- Increase awareness through accessible wayfinding and signage. (22.2%)



Partnership

Highest Priority Actions:

- Continue to integrate pedestrian and bicycle improvements into subregional plans, access management studies, and other regional planning efforts. (100%)
- Expand support and coordination with aligned agencies (health providers and advocates, law enforcement, emergency management, TPWD, COGs, City officials etc.) to increase safety, awareness, and quality of travel experience. (77.8%)
- Provide technical support to innovative pedestrian and bicycle projects that will spur local investment in underserved communities and/or serve as demonstration projects. (77.8%)

- Assist local entities and organizations like the League of American Bicyclists or BikeTexas in developing and maintaining programs that raise public awareness of the benefits of walking and biking. (11.1%)
- Incorporate Texas into the United States Bike Route System (USBRS). (11.1%)



Design Compatibility

Highest Priority Actions:

- Refine design guidance to implement context sensitive design based on different criteria for various contexts beyond the existing urban and rural classifications. (88.9%)
- Develop standards or guidelines for the distance between safe crossings given land uses, densities, and roadway function. (77.8%)

- Develop a map that separates the urban context into urban core/urban/suburban/rural town to allow for more specifically developed bicycle and pedestrian improvements. (33.3%)
- Develop appeals process for inconsistent design decisions. (11.1%)



Mode Integration and Travel Optionality

Highest Priority Actions:

- Identify and implement strategies to enhance bicycle and pedestrian connectivity for first and last-mile connections more broadly throughout communities and at the border. (77.8%)
- Partner and participate in the creation of local and regional active transportation planning. (55.5%)
- Minimize policy and procedural barriers that impede the implementation of active transportation facilities. (55.5%)

- Complete bike plans for all TxDOT Districts. (22.2%)
- · Accommodate and expand ridesharing, microtransit, and micromobility options in appropriate contexts. (22.2%)
- Increase funding and implementation of active transportation amenities (including, bike racks, benches, bike lockers, repair stations). (22.2%)



Economic Vitality

Highest Priority Actions:

- Prioritize active transportation options that provide access to key community features (access to jobs, healthcare, education, and parks) and connect with existing and future transit service. (88.9%)
- Adhere to strict design guidance that promotes walkability and safety along "main streets" (new and old) and Transit Oriented Developments. (77.8%)

- Invest in locations where active transportation infrastructure will attract future economic opportunities and enhance competitiveness. (33.3%)
- Measure the effect of newly implemented active transportation facilities on the tourism industry, real estate values, and business attraction, over time. (33.3%)



Leverage Maintenance and Repair

Highest Priority Actions:

- Establish a funding mechanism to ensure the maintenance and upkeep of active transportation facilities statewide. (100%)
- Identify and prioritize maintenance efforts in areas with high active transportation usage to ensure that infrastructure remains safe and accessible for all users. (77.8%)
- Prioritize rehabilitating major thoroughfares to safely accommodate all travel modes. (77.8%)

- Expand asset management procedures to include active transportation infrastructure. (33.3%)
- Conduct routine performance audits of active transportation infrastructure to assess the effectiveness of maintenance practices and identify areas for improvement. (11.1%)



Goals		Progress Metrics	
Improve Safety, Comfort, and Accessibility		??	
Enhance Connectivity	Will send post meeting for input		??
Address Community Needs			??
Support Economic Vitality		??	
Promote Healthy Communiti	es	??	

Thank you and Wrap Up





Greg Reininger

Bicycle & Pedestrian Planner

Public Transportation Division

Texas Department of Transportation

(737) 285-6184

Gregory.Reininger@txdot.gov

Bonnie Sherman

Planning and Program Development Director

Public Transportation Division

Texas Department of Transportation

(512) 571-9825

Bonnie.Sherman@txdot.gov







Need

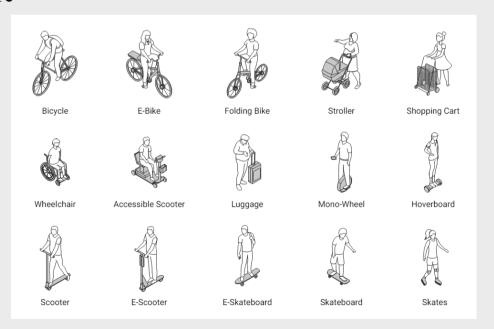
- 1. Ubiquitous access
- 2. Exponential Growth

- 1. Need for safe conditions
- 2. Need for new ways to design infrastructure and regulate use



Recommendation

• Create starting point and best practice resource to define and design micromobility use and infrastructure





Micromobility in Texas

Micromobility policies

- Austin
- San Marcos
- Lubbock
- Houston
- Dallas
- San Antonio
- El Paso

Example: Austin

- Chapter 12-2 Micro-Mobility Devices and Bicycles
 - Micromobility riders on the road must obey same laws as motorists
 - Children 17 and younger must wear helmets
 - Phone use while driving a micromobility device is prohibited
 - More than one rider may not be on a micromobility device
 - Parked devices must not impede pedestrian traffic
 - Parked devices may not be tied to public or private property in a way that could damage the property



Micromobility in Texas

Shared micromobility systems

- Austin
- College Station
- San Marcos
- Lubbock
- Houston

- Dallas
- San Antonio
- Plano
- Fort Worth
- El Paso
- Galveston



Micromobility Areas of Focus

Personal Use + Universal Design & Policy

Shared Use Systems



Definitions and Standards

• Provide multiple variations of micromobility definition to give flexiibility

Federal Highway Administration (FHWA)

Micromobility is as any small, lowspeed, human or electric-powered transportation device, including bicycles, scooters, electric-assist bicycles, electric scooters (escooters) and other small, lightweight, wheeled conveyances.

Society of Automotive Engineers (SAE)

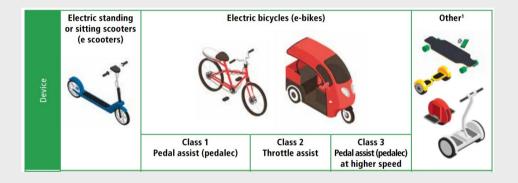
Micromobility is:

- Motorized. They can either be fully or partially powered by a motor.
- Low Speed. Devices with a top speed of 30 MPH or less
- Small Size. Devices have a weight under 500 pounds, with many typically less than 100 pounds.



Definitions and Standards

Micromobility



Micromobility-Related



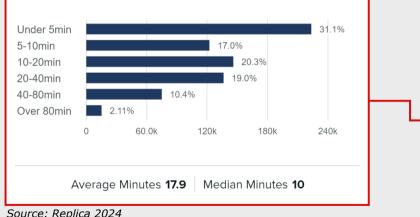


Travel Patterns

How do people use micromobility and why?

Bike Trips in Texas by Travel Time

Average Ride Times Based on Shared Micromobility Vehicle



Source: Replica 2024

Example

Many people use micromobility devices for trips that may be too long to walk, but inconveniently short to drive. This leads to trips with shorter distances and ride times.



Source: NACTO 2022 SharedMicromobility Report

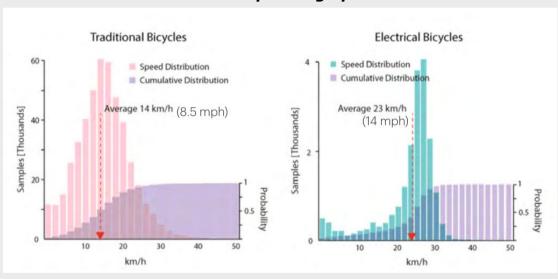


Mobility Network Design

Flexibility in infrastructure design is needed to:

- Accommodate varied and faster speeds (e.g. bike vs e-bike)
- Adapt to wide range of vehicle sizes (e.g. e-cargo bikes vs eskateboards)
- Accommodate multiple modes using same space (e.g. bikes, e-bikes, e-scooters, and eskateboards all using a bike lane)

Urban E-Bike Operating Speed Research



Source: NACTO Designing for Small Things



Shared Micromobility Systems

Key Elements of Successful Systems

- Regulation
- Operations
- Mobility Data
- Accessibility



Shared Systems: Regulation

- Legal permission to operate in the public right-of-way should be provided from a city or relevant local government
- Types of procurement
 - License
 - Permit
 - Contract
- Terms should address risk (insurance, bonds, etc) and also have terms for noncompliance, ceasing operations, as well as rewards for good performance.



Shared Systems: Operations

- Fleet size
- Rebalancing and fleet distribution
- Customer service
- Pricing
- Staffing and workforce development
- Fleet removal/ relocation
- Equipment and vehicle maintenance



Shared Systems: Mobility Data

Require data to:

- Determine permit compliance
- Evaluate system performance and impact
- Evaluate travel patterns
- Help customers use the system

Priority Topics:

- Real-time data access
- Data management
- Data formats
- Sharing Data
- Consumer Privacy
- Data security



Texas Data Privacy and Security Act

- New law took effect on July 1, 2024
- Need to evaluate how this law will impact shared mobility systems
- The law provides the following:
 - Right to Access: You can request a copy of the personal information businesses have collected about you.
 - **Right to Correct:** You can request a business correct inaccuracies in the personal information it has collected about you.
 - **Right to Delete:** You can request a business delete the personal information it has collected about you.
 - **Right to Opt Out:** You can opt out of businesses selling your personal information to advertisers and other third parties.

Share Systems: Accessibility

Equitable Access

Is the system equitably distributed across a city?

Can people use the system without a credit card or bank account?

Station Access

Is the station and the area around it ADA compliant?

Are the screens and apps used to access the system ADA compliant?

Vehicle Access

Are the vehicles able to accommodate a wide range of physical abilities?







Agenda

- 1. Plan Overview
- 2. Technical Approach
- 3. Stakeholder Engagement
- 4. Questions and Discussions



Plan Overview



Scope

The SRP is:

- High-level first pass to assess TxDOT transportation system vulnerabilities
- Actions/strategies to help improve the resiliency of TxDOT's most vulnerable assets
- Specific to TxDOT owned transportation assets and some non-TxDOT owned

The SRP is not:

- An emergency preparedness plan
- A detailed action plan to improve resiliency for individual cities
- A broad assessment of the system's vulnerability to climate-related disruptors



Goals

Strengthen Infrastructure Resilience

Strengthen infrastructure resilience by implementing strategic measures, resilient design, and proactive planning to ensure the sustained functionality and adaptability of vulnerable multimodal assets.

Ensure Operational Continuity

Ensure the operational continuity of transportation systems by employing resilient recovery and adaptive responses to facilitate the seamless movement of people and goods in an event of a disruption.

Improve Organizational Adaptability

Improve adaptability at the organizational level to ensure sustained performance through innovative solutions, continuous learning and cross-functional collaboration.



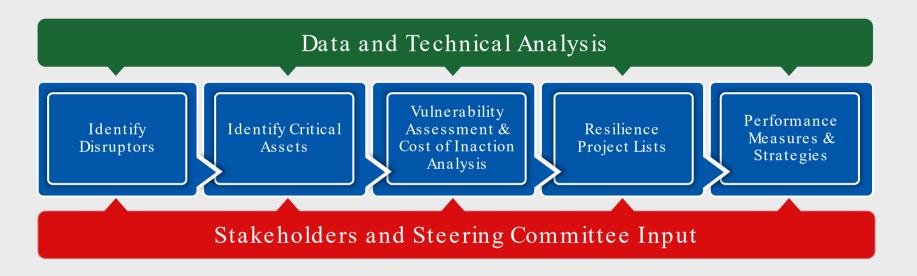
Resilience Definition

Resilience is the ability to support and maintain a multimodal transportation system that can safely move people, goods, and services during adverse conditions, and can anticipate, prepare for, adapt to, withstand, respond to, and recover efficiently from both human and natural disasters and disruptions.





Plan Development Framework





Technical Approach



Disruptors

Key Disruptors

- Extreme Heat
- Extreme Cold
- Inland Flooding
- Coastal Flooding (Sea Level Rise and Storm Surge
- Hurricane
- Wildfire
- Drought
- Humanmade (includes social unrest, cyberattack, physical damage, etc)



Transportation Assets

- Roadways
- Bridges/ Culverts
- Intelligent Transportation Systems (ITS)
- Maritime Ports
- Border Crossings
- Maintenance Facilities
- Airports
- Pedestrian and Bicycle Lanes
- Railways
- Transit



Vulnerability Assessment

EXPOSURE:Presence of assets in areas subject to disruptors

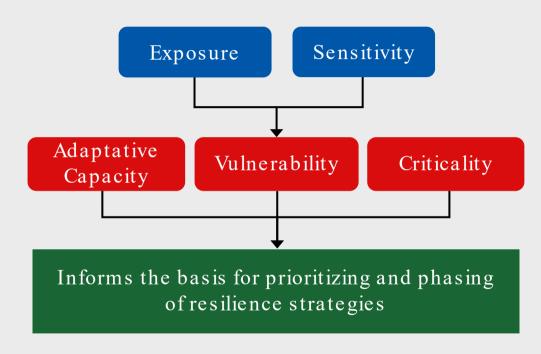
SENSITIVITY: Degree that assets are affected by disruptors

ADAPTIVE CAPACITY: Ability to modify

asset to maintain function

VULNERABILITY: Degree to which an asset or system is susceptible to adverse impacts

CRITICALITY: Measure of asset importance to the system



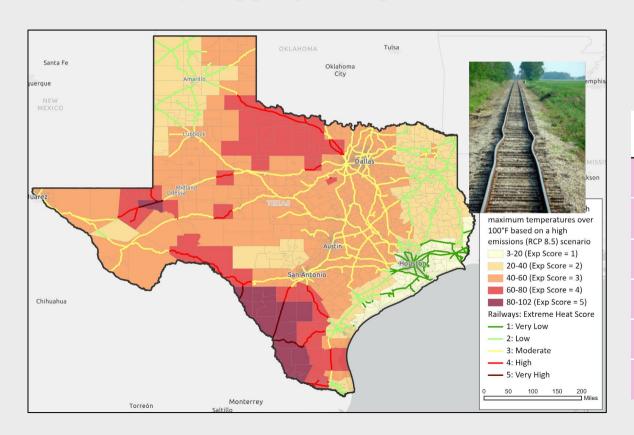


Vulnerability Scoring Example

Asset	Coastal Flooding	Heat	Wildfire	Cold	Inland Flooding	Hurricanes	Drought	
I-35 Segment	HIGH(3)	LOW(1)	MODERATE (2)	LOW(1)	HIGH(3)	MODERATE (2)	MODERATE (2)	Sensitivity Scores
I-35 Segment	VERY HIGH (5)	MODERATE (3)	MODERATE (3)	HIGH(4)	LOW(1)	MODERATE (2)	HIGH (5)	Exposure Scores
I-35	15	3	6	4	3	4	10	Vulnerability
Segment		-						Scores Vulnerability



Vulnerability Mapping Example



Sensitivity Scoring

	EXTREME HEAT
ASSET GROUP	SENSITIVITY
Roadways	Moderate
Transit	Low
Railways	High
Bridges	Moderate
Maritime	Low
Airports	Low

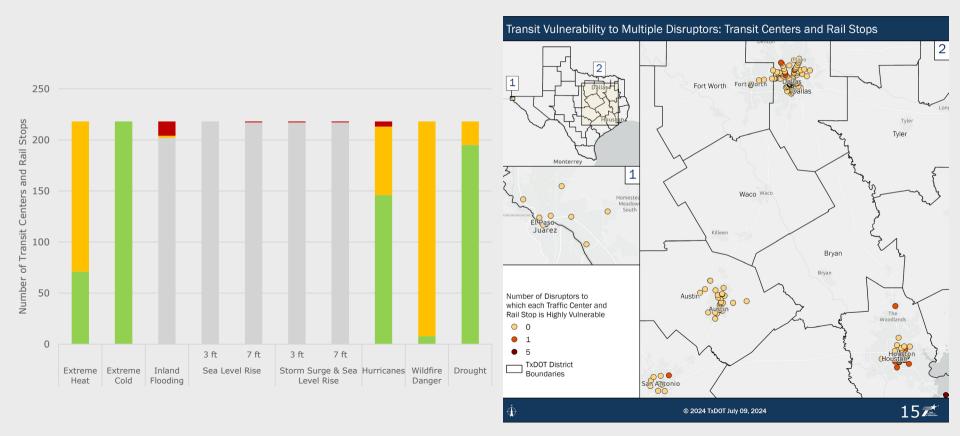


Data Overview

Asset Type	Name	Source	Description
Transit	 Transit centers & Rail (passenger) stops Transit rail (passenger) routes 	Various	 Acquired from major transit districts: Bexar County (bus routes and stops) Dallas County (rail routes, rail stations, bus routes, and bus stops) Harris County (rail routes, rail stations, bus routes, bus stops, and transit centers) Travis County (bus routes, bus stops, and transit centers) El Paso County (bus routes, bus stops, and transit centers)
Bike and Pedestrian	Existing/ Planned Bikeways, Trails, and Paths	TxDOT	 Bikeway network data collected for district bike plans TxDOT Comprehensive Accessibility Program (TCAP)

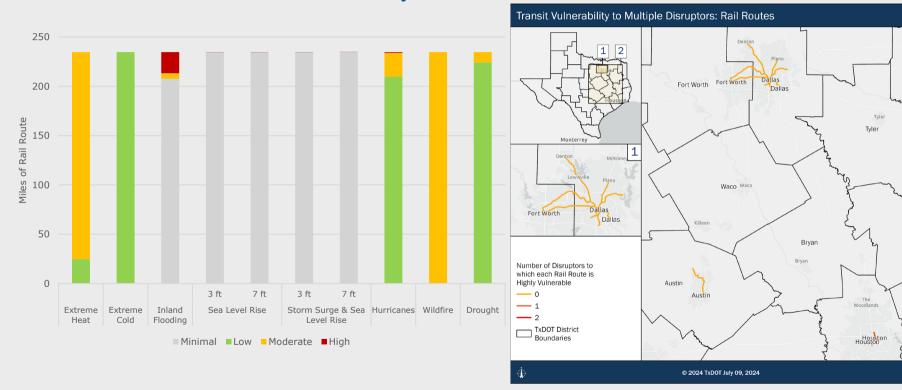


Transit Centers and Rail Stops Vulnerability





Transit Rail Track Vulnerability



Lufkin

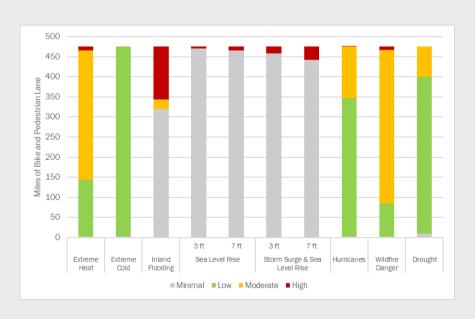


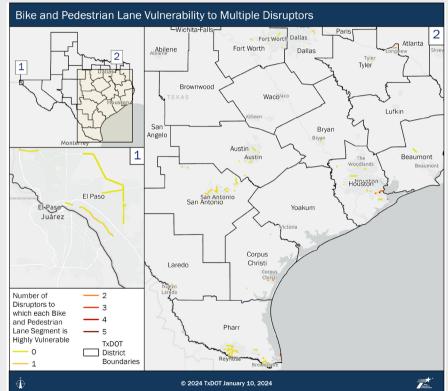
Transit-Key Vulnerabilities

- Five transit centers and light rail stops and one mile of light rail route have high vulnerability to hurricanes, all in the Houston District.
- Six transit centers and light rail stops and 17 miles of light rail route in the Dallas District.
- Six transit centers and light rail stops and one mile of light rail route in the Houston District have high vulnerability to inland flooding.



Lanes & Bike/Pedestrian Pathways







Bike and Pedestrian Pathway Key Vulnerabilities

- Nine miles (2%) of bike and pedestrian lanes in this study have high vulnerability to extreme heat.
- A total of 132 miles (28%) of bike and pedestrian lanes in this study have high vulnerability to inland flooding.



Review Existing Project Needs

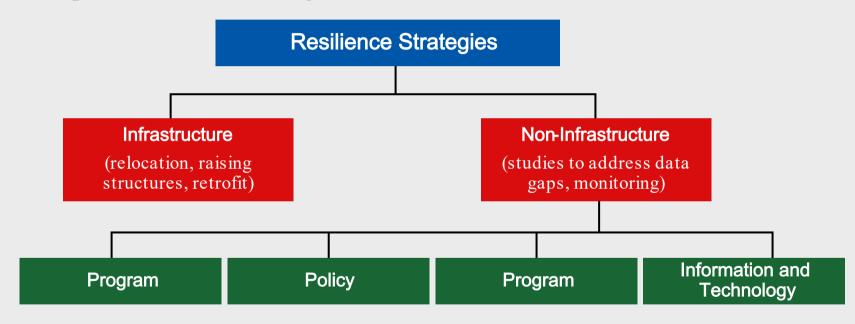




- ✓ Leverages existing planned projects
- ✓ Identifies projects increasing TxDOT resilience
- ✓ Identifies potential modifications to increase resilience of planned projects
- ✓ Forms basis of recommended resilience strategies

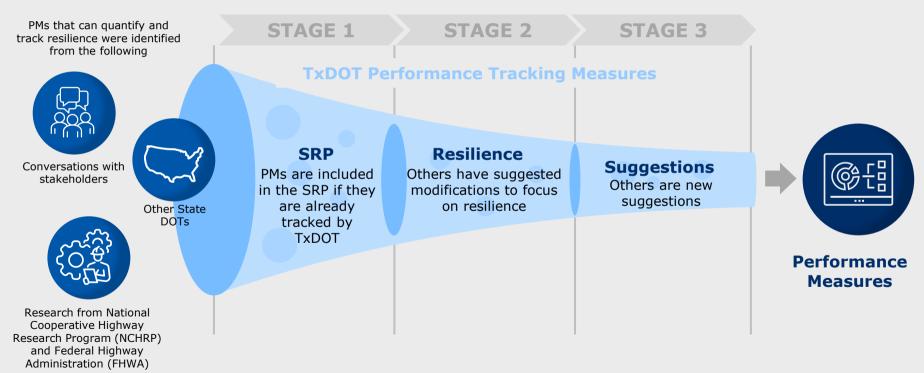


Develop Resilience Strategies





Performance Measure (PM) Development





Stakeholder Engagement



Agency and Stakeholder Engagement

Statewide Resiliency Plan Stakeholders Resiliency Steering Committee (RSC)

- TxDOT District Representatives
- TxDOT Division Representatives

Internal and External Stakeholders

- TxDOT Districts & Divisions
- Metropolitan Planning Organizations
- Cities/Counties
- Academics
- State Government Agencies

- Federal Agencies
- Trucking and Industrial Associates
- Transportation Industry Stakeholders
- · Non-Profits and NGOs
- Other DOTs

Coordination with Other Planning Efforts

- Statewide Long-Range Transportation Plan
- · Statewide Active Transportation Plan
- · Statewide Multimodal Transit Plan
- Statewide Freight Resiliency Plan
- · Corridor Studies



Internal and External Stakeholder Engagement

Resiliency Steering Committee

- 5 RSC meetings
- Deliverables Review

Internal and External Stakeholders

- **40+** Interviews
- 10 Workshops
- Data collection
- Final draft review

Coordination with Other Planning Efforts

- 10+ Coordination meetings
- 10+ Data collection outreach meetings

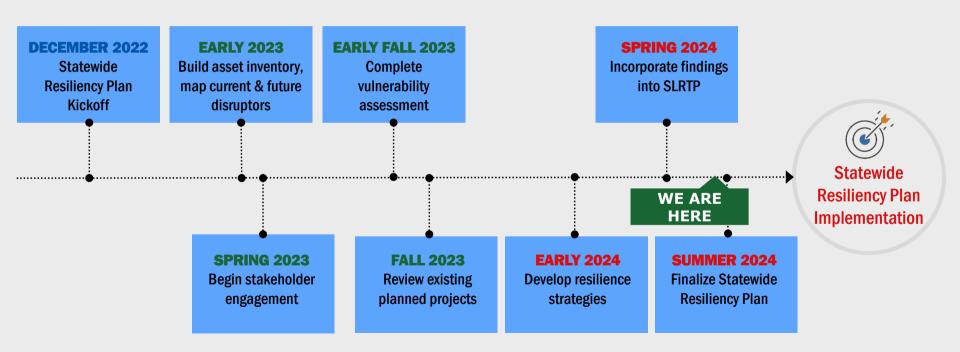


How stakeholder input was used

- Identifying resilience challenges across the state
- Ground-truthing vulnerability assessment
- Developing resilience strategies and measures



Project Schedule









Comments or Questions

SHIRLEY LI, Project Manager Shirley.Li@txdot.gov

GIACOMO YAQUINTO, Statewide Planning Branch Manager Giacomo. Yaquinto@txdot.gov

CASEY WELLS, Systems Planning Section Director Casey. Wells@txdot.gov



THE LOOP DALLAS Connecting Dallas with Dallas

The Loop Dallas

For the first time in its history, Dallas will connect north, south, east, and west with a shared trail system, providing equitable access to green space and an urban forest previously inaccessible to the public.

The Loop Dallas has leveraged the original \$10M investment from private donors 8:1, securing a over \$80M in public funds.

All projects needed to complete The Loop Dallas are in the design or construction phase and are on track to be completed by 2028.

City-wide Connectivity

The Loop Dallas is building a 50-mile circuit trail by the same name that will encircle the core of the city.

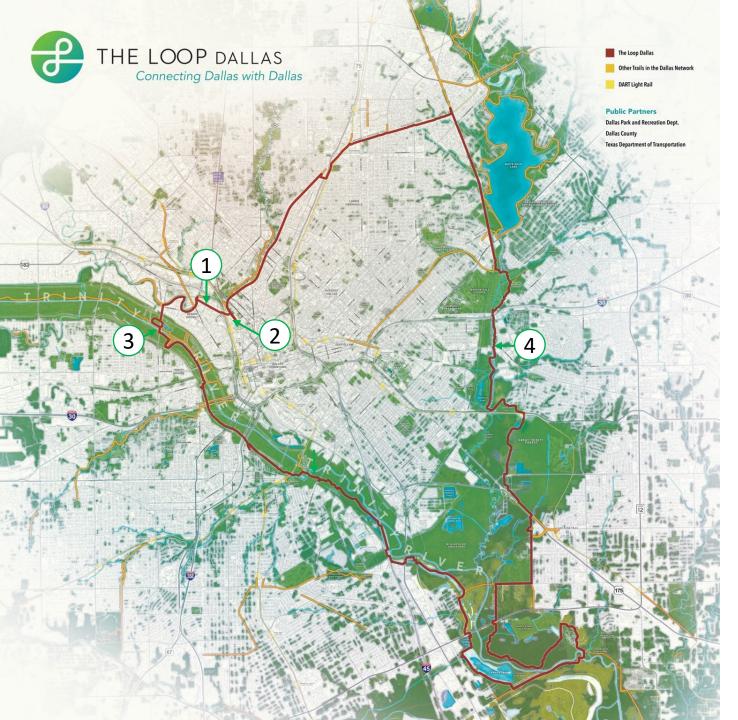
By connecting 39 miles of existing trails in Dallas with 11 miles of newly built trails, The Loop Dallas will increase access to public transportation and green space, ensuring residents can access these resources across the city to commute, for recreation, and wellness.

11 Miles Connect 39 Miles, Creating a 50-Mile Loop

The Loop Dallas Connects:

- 9 City Council Districts in the center of Dallas
- 5 DART Light Rail Stations and is within ½ miles of an additional 4 stations
- Over 150 Miles of the completed linear trail system
- The Trinity River and the Fort Worth to Dallas Trail to the metroplex





Four New Projects

- 1. Hi Line Connector
- 2. The Loop Plaza
- 3. Discovery Gateway
- 4. Trinity Forest Spine Trail

All other trails in The Loop Dallas are existing or currently in delivery:

- AT&T Trail
- Katy Trail
- Santa Fe Trail
- Santa Fe Trestle Trail
- Skyline Trail
- SoPac Trail
- Trinity Forest Trail
- Trinity Strand Trail
- University Crossing & Ridgewood Trail

THE LOOP DALLAS Connecting Dallas with Dallas

Hi Line Connector

Lead Designer: swa

An Active Transportation Corridor



Project Limits: 1 mile – Katy Trail to Trinity Strand Trail

Connects the iconic Katy Trail in Uptown Dallas to the burgeoning Design District

Adjacent to the American Airlines Center (sports arena for the Dallas Mavericks, Dallas Stars, and other events)

Overcomes the barrier created by I-35E and a commuter rail line

When complete, it will be the most advanced active transportation corridor in North Texas





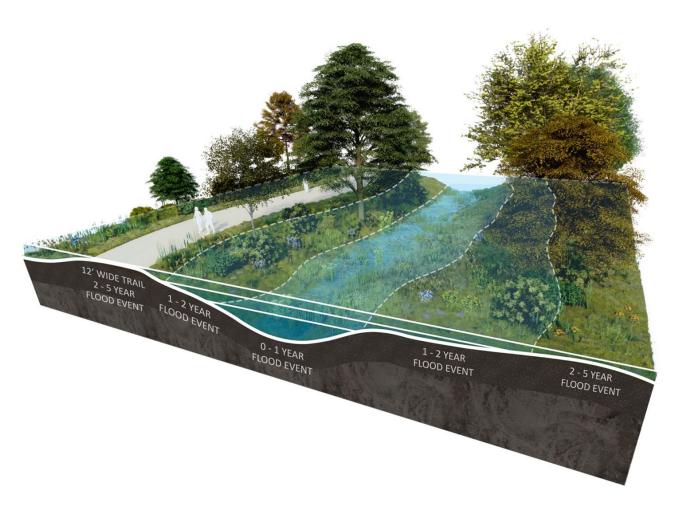
THE LOOP DALLAS Connecting Dallas with Dallas

Trinity Forest Spine Trail

North phase I – Santa Fe Trail to Samuell Blvd

Completed Fall 2023

Environmental Factors

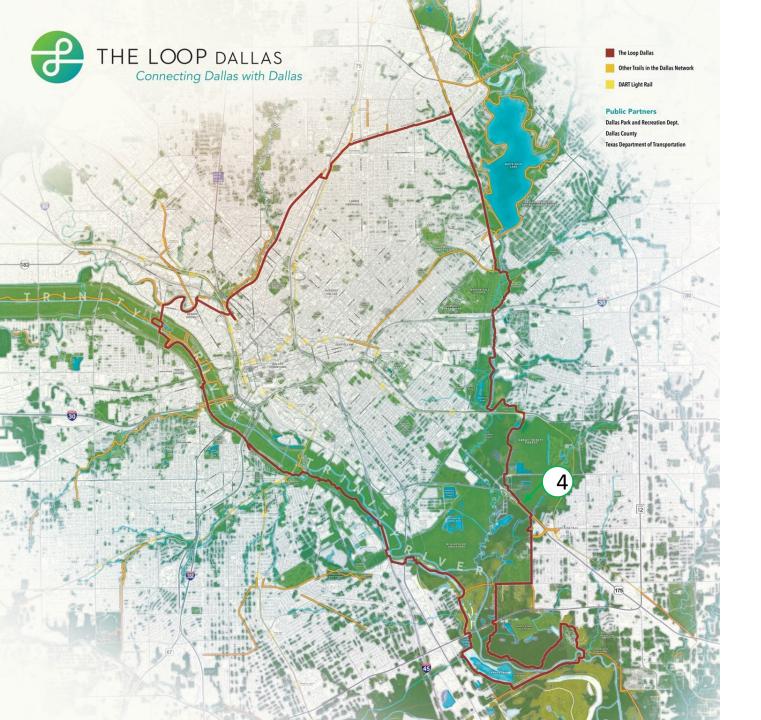


- 12' Wide Concrete Trail
- Elevated berms, boardwalks, and bridges to increase accessibility
 - Less flooding
 - Less maintenance for faster return to usability
- Landscaping
 - Clearing Underbrush
 - Revegetation plan with native and adaptive species









Trinity Forest Spine Trail

South phase – US175 to Lake June Blvd

Construction Started Spring 2024

The Loop Dallas

Pleasant Grove, Lake June Bridge over US 175



Trinity Forest Spine Trail – Bridge over UPRR



