



Texas Transportation Plan (TTP) 2050 Development Update

Texas Transportation Commission



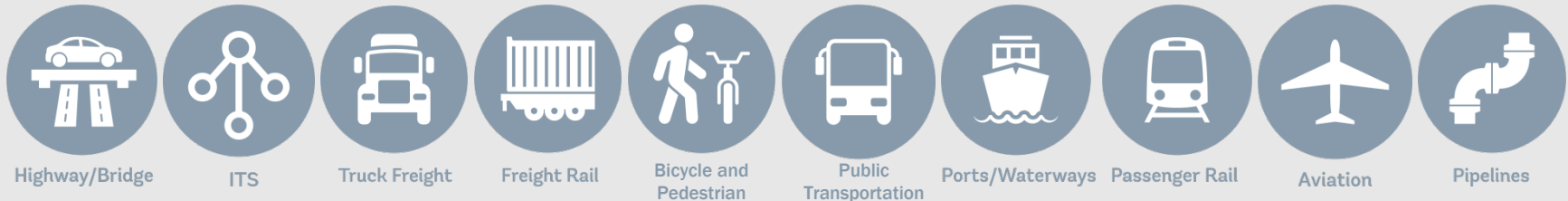


As required by state and federal regulation, the TTP 2050 is a policy document that:

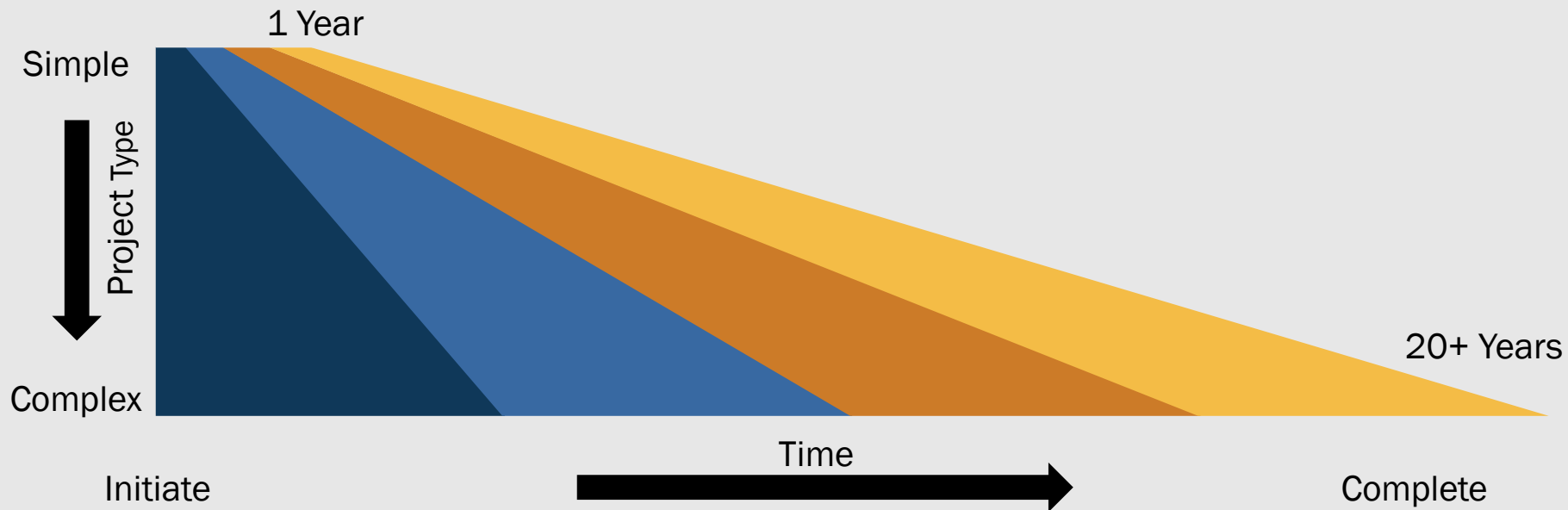
- Guides planning and programming decisions for the development, management, and operation of the statewide, multimodal transportation system in Texas over the next 25+ years



- Provides a performance-based framework to link investment decisions to your vision for the multimodal transportation system



Project Development Time Frames








- Goal Areas: safety, asset management, mobility and reliability, and multimodal connectivity
- Projected conditions for anticipated funding:
 - Pavement, National Highway System State of Good Repair: Good
 - Pavement, Non-National Highway System State of Good Repair: Poor
 - On-System Bridge conditions (% Structurally deficient deck area and count of structurally deficient bridges): Good
 - Urban mobility level of service: Poor
 - Rural mobility level of service: Fair
- Planned focus of new revenues:
 - 60% congestion & connectivity
 - 20% System preservation
 - 20% Energy sector

Plan Performance Measures, Targets and Current Conditions



PLAN GOAL	 PROMOTE SAFETY	 PRESERVE OUR ASSETS	 OPTIMIZE SYSTEM PERFORMANCE
MEASURE	FATALITIES EACH YEAR FATALITY RATE (#/100M Mi)	PAVEMENT CONDITION BRIDGE CONDITION SCORE	URBAN CONGESTION INDEX RURAL RELIABILITY INDEX
2029 TARGET	3,620 0.95	90% 90	1.20 1.12
2018 ACTUAL	3,649 1.31	87.9% 88.9	1.25 1.14
2017 ACTUAL	3,727 1.37	86.3% 89.0	1.20 1.14
2016 ACTUAL	3,794 1.40	87.3% 89.2	1.19 1.14



Improve Safety

**Preserve our
Infrastructure**

**Optimize Movement
of People and Goods**

**Sustainably Fund and
Effectively Deliver the
Right Projects**

**Protect and Enhance the
Human and Natural
Environment**

Communicate Effectively

Preparing the Texas Transportation System for Future Growth



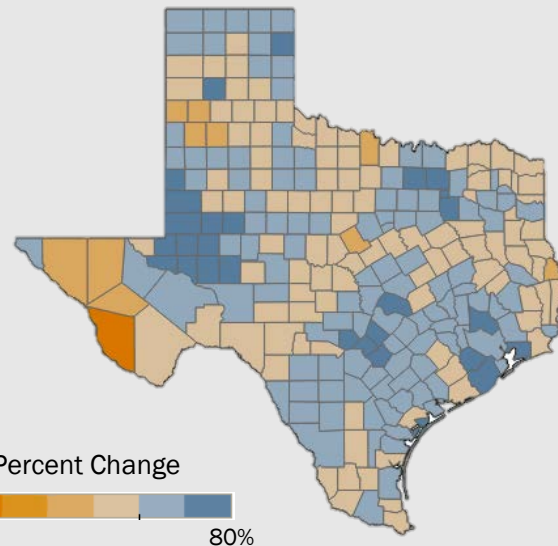
60% Projected growth in population, 2020-2050

Source: Texas State Data Center 2018 Population Projections

>4x The economy is expected to more than quadruple in the next 30 years

Sources: Texas State Comptroller, US Bureau of Economic Affairs (BEA), Organization for Economic Co-operation and Development (OECD)

Projected Population Change Between 2020 and 2050



Source: Texas Data Center 2018 Population Projections

Population

Texas leads the country in population growth, adding **1,000 new Texans every day**



One out of every five people added to the U.S. population is added in Texas.

Economy

The Texas economy is expected to grow at an average of **2.8% per year through 2046**, compared with **2.0% nationally.**



Source: 2019 Economic Forecast, Texas Comptroller

Source: US Census 2019 ACS estimates



Technologies and Behaviors incorporated into TTP 2050 analysis

Connected and Autonomous Vehicles



Shared Vehicles and Trips



Delivery Drones



Teleworking

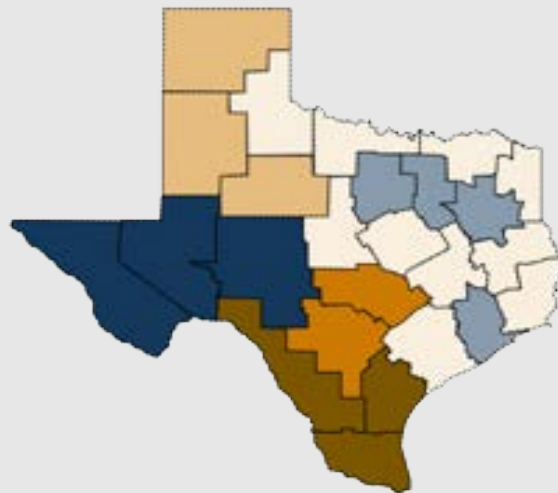


Round 2 Engagement Schedule



Laredo Tue Sep 24
Corpus Christi Wed Sept 25
Pharr Thu Sept 26

Amarillo Tue Oct 1
Lubbock Wed Oct 2
Abilene Thu Oct 3



San Angelo Mon Oct 21
Odessa Tue Oct 22
El Paso Wed Oct 23

San Antonio Tue Oct 29
Austin Wed Oct 30

Houston Mon Oct 7
Tyler Tue Oct 8
Dallas/Fort Worth Wed Oct 9

○ **Additional Virtual Opportunity**



Stakeholder Meetings Open Houses

- Opportunity to participate in person
- Opportunity to participating by WebEx or phone
- Opportunity for comments by email to TTP_2050@TxDOT.gov .
- Interactive stakeholder poll questions: <https://pollev.com/txdott007>
- Interactive public survey: <https://ttp2050.metroquest.com/>



Participation*:

1,178 MetroQuest respondents

1,910 Transportation Usage Survey respondents

132 Comments submitted in addition to survey

Views:

1,333 Virtual Open House views



*Numbers as of November 15, 2019



What is More Important to You?

What to do Next Task

ISSUES & GOALS

- 1 Optimize Movement
- 2 **Protect Environment**
- 3 Improve Safety

Order your top 3 items above this line

Fund and Deliver Projects

Communicate Effectively

Preserve Infrastructure

EXPLORE SCENARIOS

AVAILABLE FUNDS

WRAP UP

Protect/Enhance Human and Natural Environment



- Protect and enhance cultural, natural, historic resources
- Enhance communities' quality of life
- Incorporate environmental resource considerations early in planning
- Avoid, minimize, mitigate adverse impacts from construction and use

Suggest another

Comment



What is More Important to You?

Business as Usual Keep it Smooth Congestion Relief Reliably Connect Texas

Keep it Smooth
Infrastructure preservation. This strategy focuses on keeping existing transportation assets in good shape by prioritizing spending on pavement maintenance, bridge repair, and other infrastructure performance improvements.

Please rate this scenario:
★ ★ ★ ★ ★
Optional Comment

Indicators:

- Safety
- Highway Preservation
- Congestion Relief
- Rural/Freight Connectivity
- Multimodal Travel Options

Worse than today Better than today



← 1 BACKGROUND

2 ISSUES & GOALS

3 EXPLORE SCENARIOS






4 AVAILABLE FUNDS

How Would You Invest?

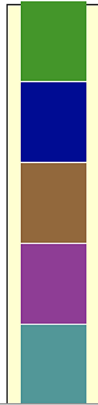
What to do Next Task

5 WRAP UP

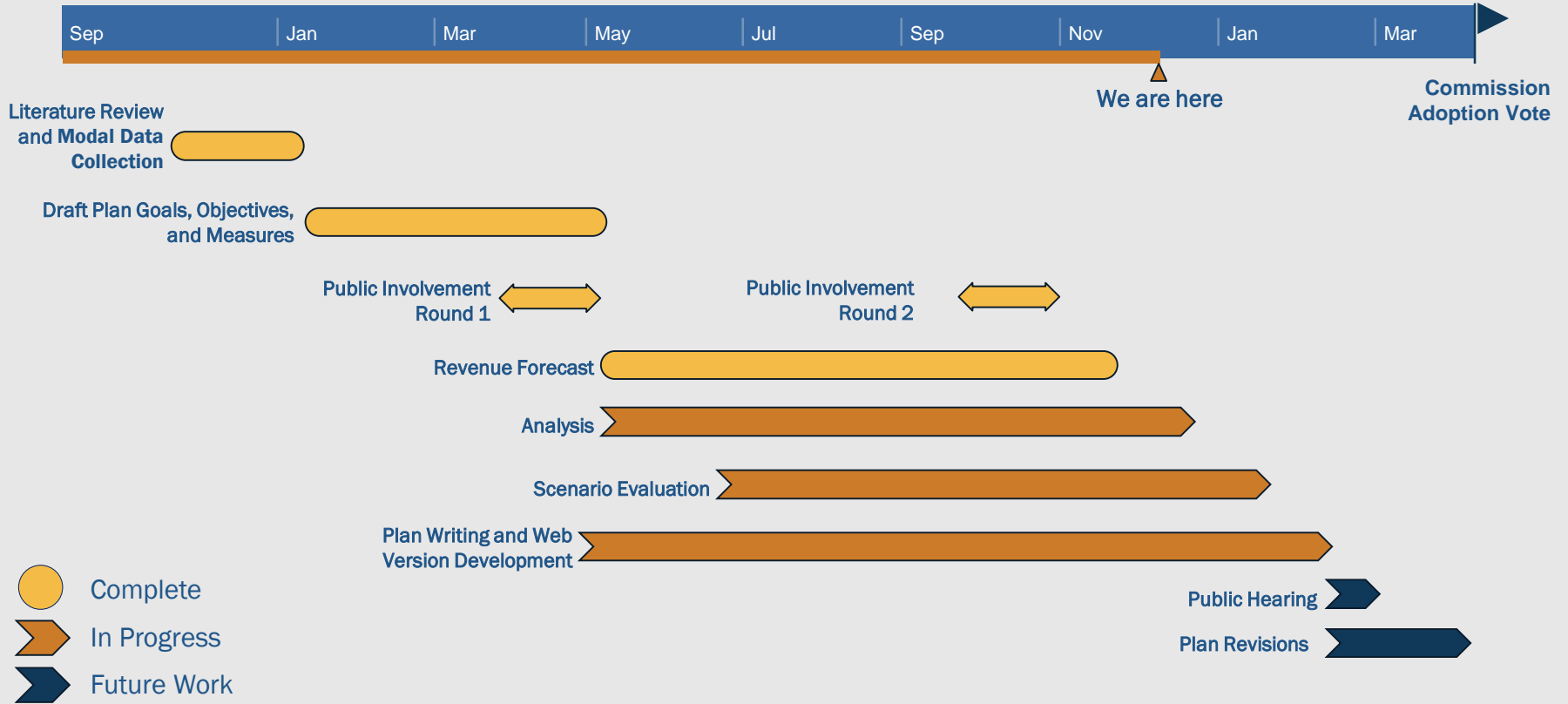
Pretend TXDOT has \$1B of funds to allocate. Use the sliders to distribute funds.

	Safety Details + \$200 Million/Year
	Highway Preservation Details + \$200 Million/Year
	Congestion Relief Details + \$200 Million/Year
	Rural & Freight Connectivity Details + \$200 Million/Year
	Bike-Ped and Transit Details + \$200 Million/Year

Available Funds \$1.0 Billion
Your spending \$1.0 Billion



TTP 2050 Development Next Steps





1. Executive Summary
2. Introduction
3. Existing System and Funding Conditions
4. What we heard
5. Goals, Objectives, Measures and Targets
6. Modal Profiles
7. Revenue Forecast and Investment Scenarios
8. Rural (Non-MPO) Transportation Planning
9. Implementation Strategies

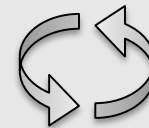


*Draft Version Expected
Early 2020*



TTP 2050 will support other plans already in place or that are being developed, such as:

- Metropolitan transportation plans
- City capital plans
- Statewide, regional, or local modal plans





Discussion