



I-35 “From the Rio Grande to the Red River”

Texas Transportation Commission
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Director of District Operations





I-35 “From the Rio Grande to the Red River” - Introduction

The Story of I-35 “From the Rio Grande to the Red River”

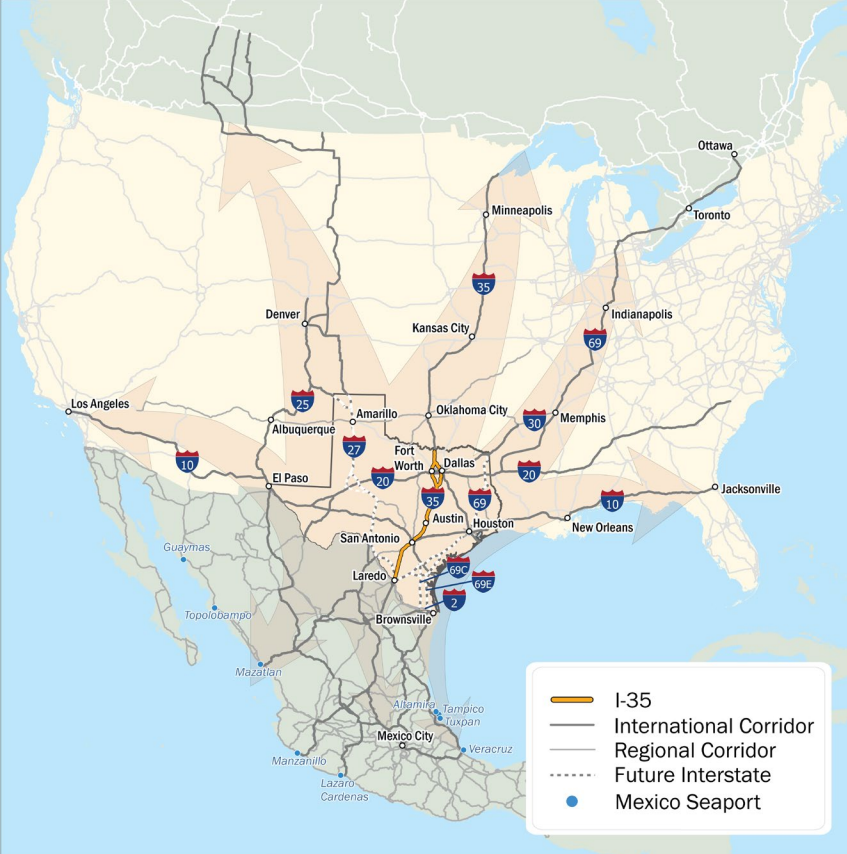


Building on the work from the Congestion Relief Task Force, I-35 was highlighted as the Mainstreet of Texas.



Recognizing the importance of I-35 to Texas and our nation, TxDOT began focusing on developing, funding, and constructing this corridor.

Purpose of the I-35 Effort



To develop a coordinated strategic plan among seven TxDOT districts to address one of the most significant corridors from the state, national, and international standpoint

Deliver the right projects at the right time

Develop project scopes to move people and goods efficiently

Work with communities and elected officials to receive input with an emphasis on customer service



Importance of I-35

I-35 supports:

- Texas' Growing Population
- Texas' Growing Employment
- Texas' Key Economic Sectors
- The Bi-National Automotive Manufacturing Cluster
- Growing Cross-border Truck Trade
- Growing Freight Tonnage

Overview of the I-35 Corridor (2022)



588 miles in Texas

17% of Texas interstate mileage

Source: 2022 TxDOT Roadway Inventory Annual Data



256 miles (43%) is less than 6 lanes



24% of Texas daily interstate miles driven

7% of all daily vehicle miles driven in Texas



24% of Texas daily interstate truck miles driven

11% of all daily truck vehicle miles driven in Texas

52 counties¹ along I-35

20% of Texas counties

1. Includes county that the corridor traverse plus adjacent county.



14.6 M people

49% of Texans

Source: U.S. Census Bureau



6.7 M jobs

52% of Texas jobs

Source: U.S. Bureau of Labor Statistics

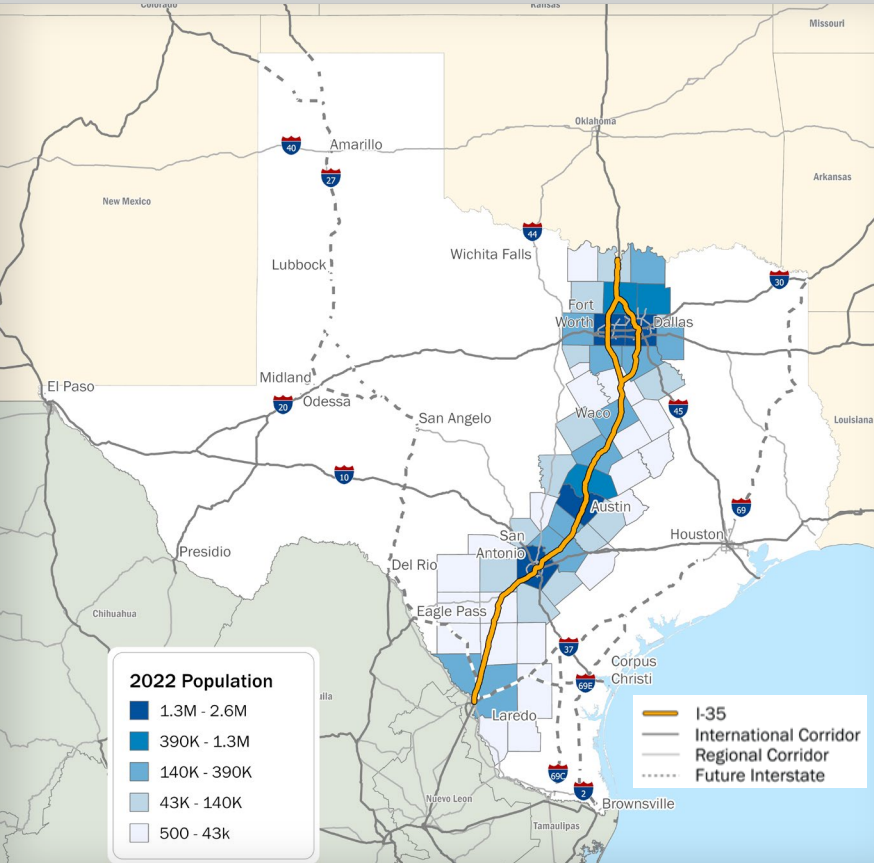


\$1.2 T in Gross Domestic Product

49% of Texas GDP

Source: U.S. Bureau of Economic Analysis (GDP in current dollars)

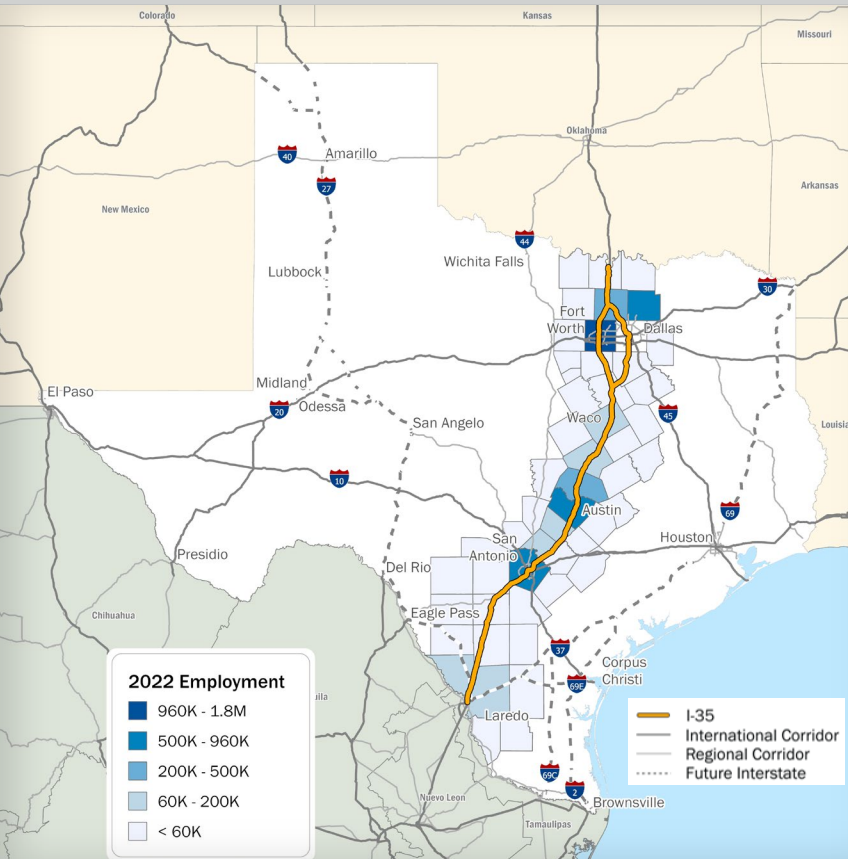
I-35 Corridor Supports Growing Population



Historical growth in 52 counties that I-35 traverse plus adjacent county (i.e., within I-35 corridor region).

Source: U.S. Census Bureau and Texas Demographic Center (Vintage 2022 Population Projection - using the 1.0 migration rates between 2010-2020)

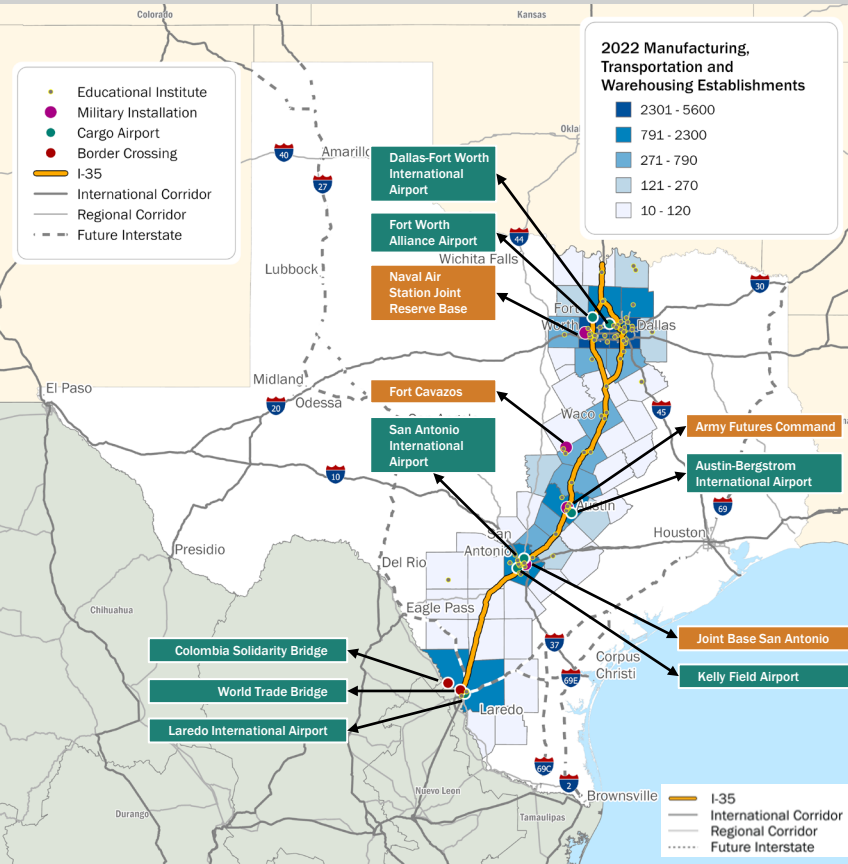
Economic Impact: I-35 Corridor Supports Growing Employment



Historical growth in 52 counties that I-35 traverse plus adjacent county (i.e., within I-35 corridor region).

Source: 2002 & 2022 values are from U.S. Bureau of Labor Statistics and 2050 value is from Moody's Analytics (2019 model)

Economic Impact: I-35 Corridor Supports Key Economic Sectors



Supply Chain Network (2022)



\$291.6 B in trade value¹ at Laredo POE - #1 U.S. POE

6 cargo airports and 9.4 billion pounds of landed weight

1. All modes including trucks

Source: Bureau of Transportation Statistics, Federal Aviation Administration

Manufacturing, Transportation & Warehousing (2022)



1.6 million Jobs

52,800 Establishments

\$356 billion GDP

Source: U.S. Bureau of Labor Statistics & U.S. Bureau of Economic Analysis (GDP in current dollars)

Education Infrastructure (2022)



72 higher education institutes

39% of Texas' higher education institutes

Source: Texas Higher Education Data (txhighereddata.org)

National Security (2021)



390,000 Jobs

Direct and indirect employments

4 Bases

\$42 billion GDP

Source: Texas Comptroller of Public Accounts (GDP in current dollars)

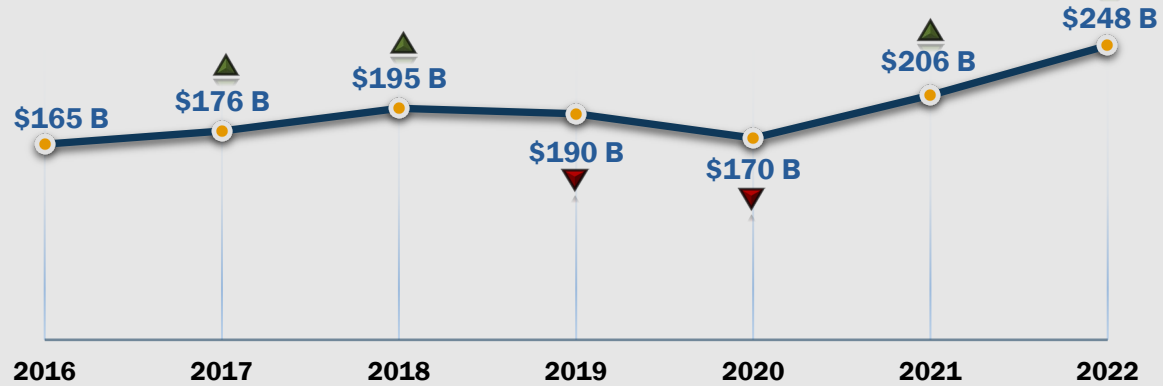
I-35 Corridor: Bi-National Automotive Manufacturing Cluster



Economic Impact: I-35 Corridor Supports Growing Cross-Border Truck Trade



62% of trade value moving by trucks between Texas and Mexico, crossed through the Laredo and Eagle Pass POEs (2022)



Future Bridges			Bridge Expansion
Puerto Verde Global Trade	Eagle Pass – Piedras Negras II Rail Bridge	International Bridge 4/5	Camino Real International Bridge Expansion

Source: Bureau of Transportation Statistics

I-35 Corridor Supports Growing Freight Tonnage



Projected Freight Tonnage Growth

57 million tons
2021



92 million tons
2050

61%
increase

2021 Freight Tonnage (million tons)	Corridor Miles (% of corridor length)
13 – 35	97 (16.5%)
35 – 50	169 (28.7%)
50 – 65	98 (16.6%)
65 – 80	72 (12.4%)
80 – 100	152 (25.8%)

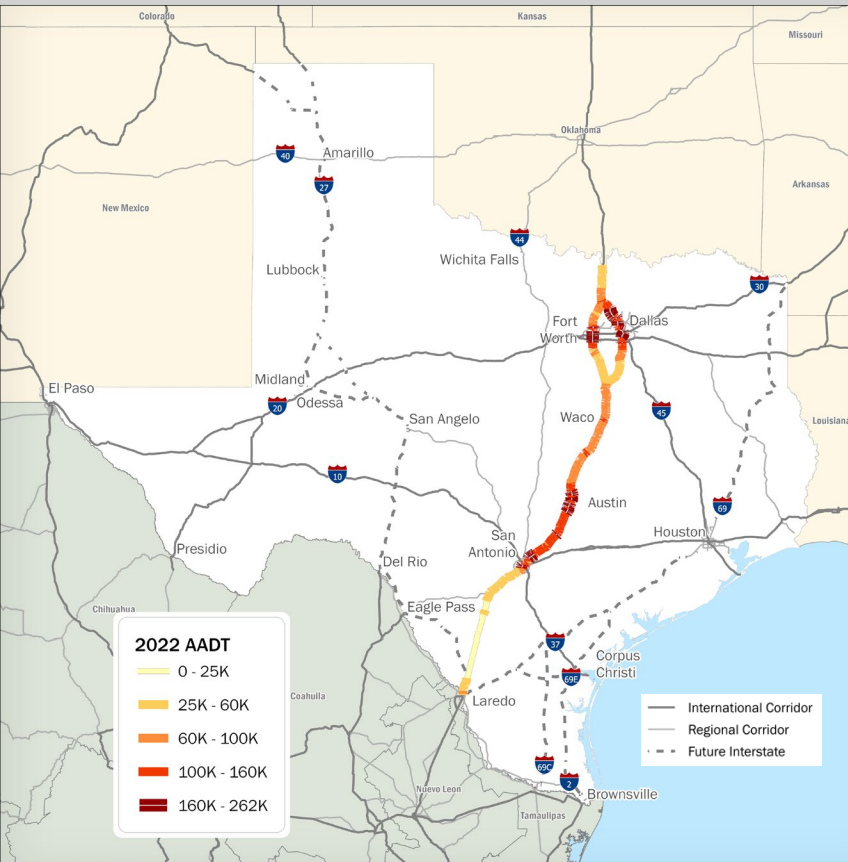
Source: 2021 Transearch database



Challenges

- Growing Daily Traffic Volumes
- High Annual Average Daily Truck Volumes
- Growing Cross-border Truck Traffic
- “Top 100” Congested Roadway Segments
- Safety Hotspots

Challenges: Growing Daily Traffic Volumes (2022)



Projected Daily Vehicle Miles Traveled (DVMT) Growth

49.6 M
2022



81.3 M
2050
64%
increase

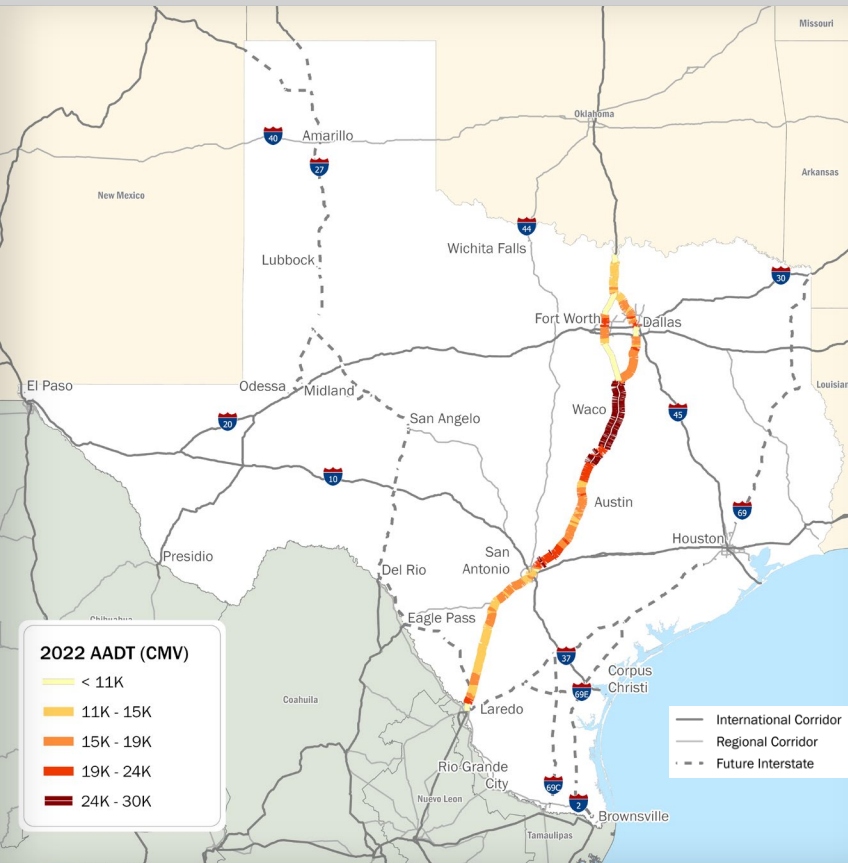
2022 AADT Range (Number of Vehicles)	Corridor Miles (% of corridor length)
0 - 25K	77 (13.2%)
25K - 60K	156 (26.5%)
60K - 100k	164 (27.8%)
100K - 160K	126 (21.4%)
160K - 262K	65 (11.0%)



Highest Traffic Volumes
are in Metro Areas

Source: 2022 TxDOT Roadway Inventory Annual Data; Note: 2050 VMT computed using annual growth rate of 1.8%

Challenges: High Annual Average Daily Truck Volumes Around Urban Areas



2022 AADTT Range (Number of Trucks)	Corridor Miles (% of corridor length)
< 11K	85 (14.4%)
11K - 15K	142 (24.3%)
15K - 19K	195 (33.3%)
19K - 24K	85 (14.4%)
24K - 30K	81 (13.8%)



High Truck Traffic
Volumes around Waco

On average **17K trucks** move along I-35 with some segments having much higher truck traffic volumes.

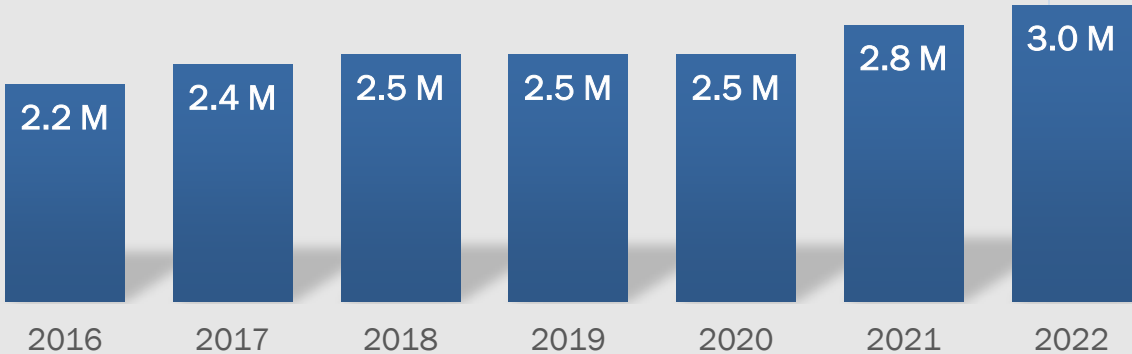
Source: 2022 TxDOT Roadway Inventory Annual Data

Challenges: Growing Cross-Border Truck Traffic (2016 to 2022)



66% of trucks entering¹ Texas from Mexico crossed through the Laredo and Eagle Pass POEs (2022)

1. Southbound truck crossing data is not available

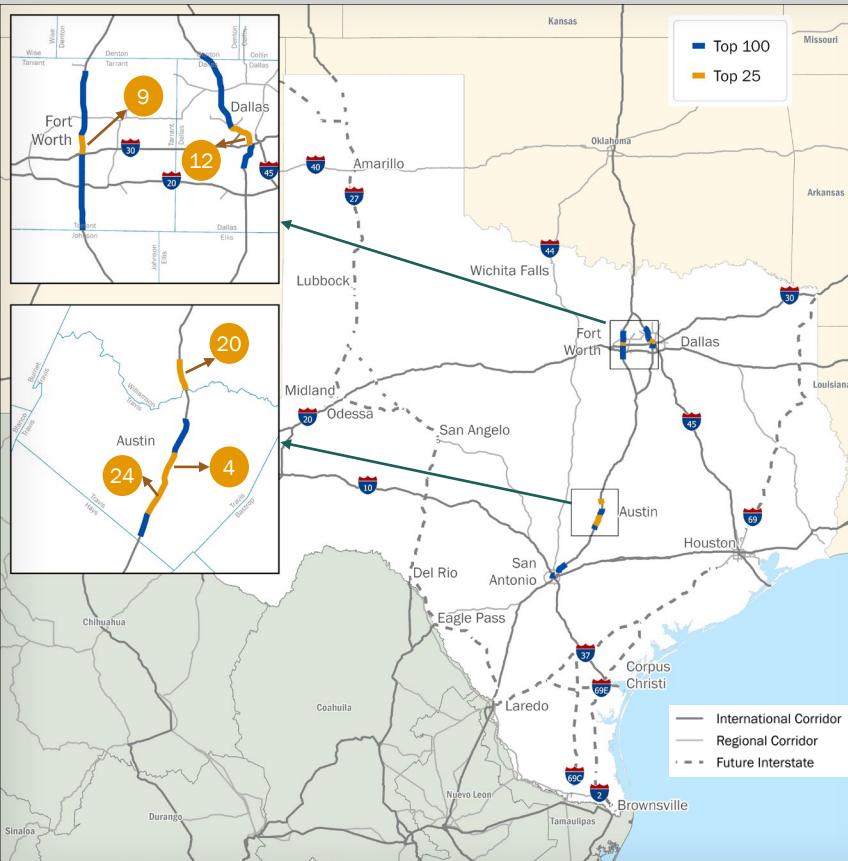


Future Bridges		
Puerto Verde Global Trade	Eagle Pass – Piedras Negras II Rail Bridge	International Bridge 4/5

Bridge Expansion
Camino Real International Bridge Expansion

Source: Bureau of Transportation Statistics

Challenges: Texas' "Top 100" Congested Roadway Segments (2022)



Most Congested I-35 Segments

Overall Rank	Truck Rank	Roadway Segment	Hours Delay per mile	
			All Vehicles	Trucks
4	3	From US 290 to SH 71 (Austin)	997K	69K
9	6	From SH 183 to IH 30 (Fort Worth)	732K	63K
12	10	From SH 183 to IH 30 (Dallas)	589K	41K
20	11	From RM 1431 to SH 45 (Round Rock)	418K	41K
24	19	From SH 71 to Slaughter Ln (Austin)	387K	32K

19 of the TOP 100 Congested Roadway Segments are along I-35

Source: Texas "Top 100" Congested Road Segments in 2022 (Published in 2023). <https://mobility.tamu.edu/texas-most-congested-roads/>

Challenges: I-35 Corridor Safety Hotspots (2018 - 2022)





I-35 Corridor Project Status

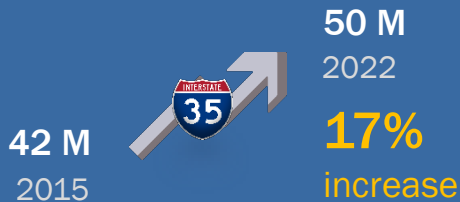
Benefits of I-35 Investments



111 Completed Highway* Projects (since 2015) with a total investment of **\$7.1 B**

* Highway projects relate to capacity expansion projects and improvements that reduce operational bottlenecks.

Daily Vehicle Miles Traveled (DVMT)



Daily Truck Vehicle Miles Traveled (DTVMT)



Top 100 Congested Segments' Annual Congestion Cost



Source: Texas "Top 100" Congested Road Segments in 2022 (Published in 2023); TxDOT Roadway Inventory (2019 and 2022)



The I-35 Statewide Corridor Plan addresses congestion and connectivity with a vision to have six lanes or more from the Red River to the Rio Grande.

I-35 Highway Projects* (March 2023 to Feb 2024 **)	Number of Projects	Estimated Construction Cost
Construction completed	10	\$2.75 B
Construction underway	4	\$837.0 M

* Highway projects relate to capacity expansion projects and improvements that reduce operational bottlenecks.

** Data as of 03/20/2024

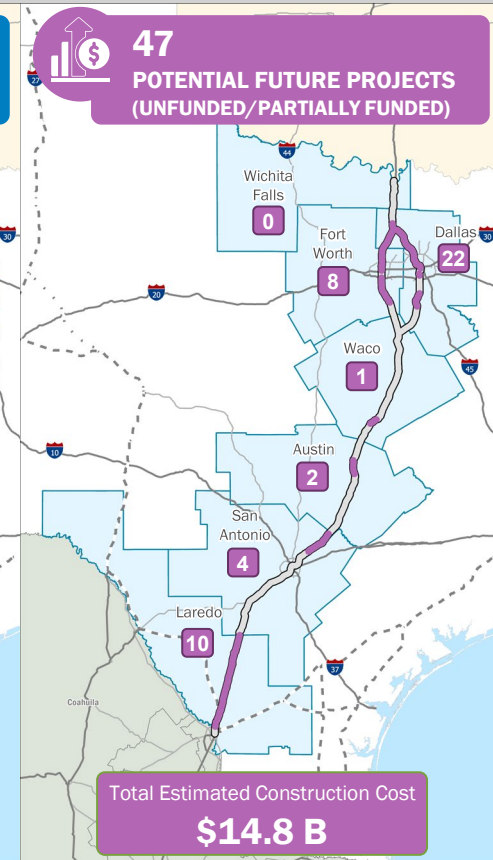
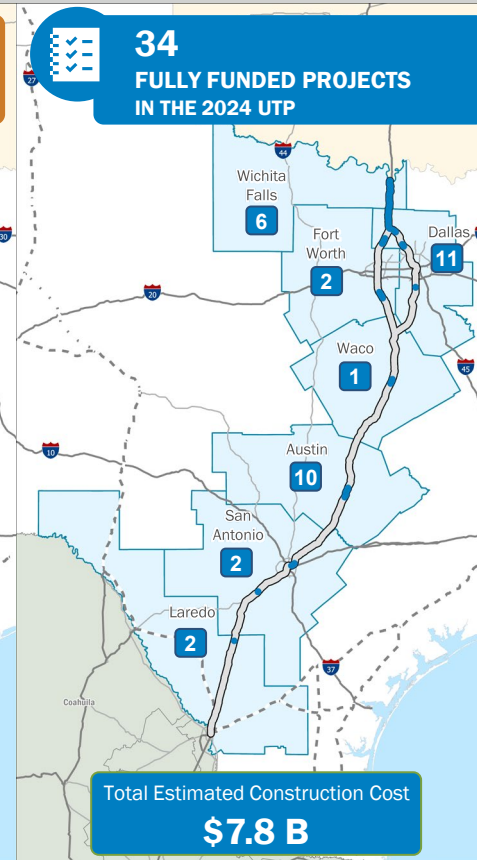
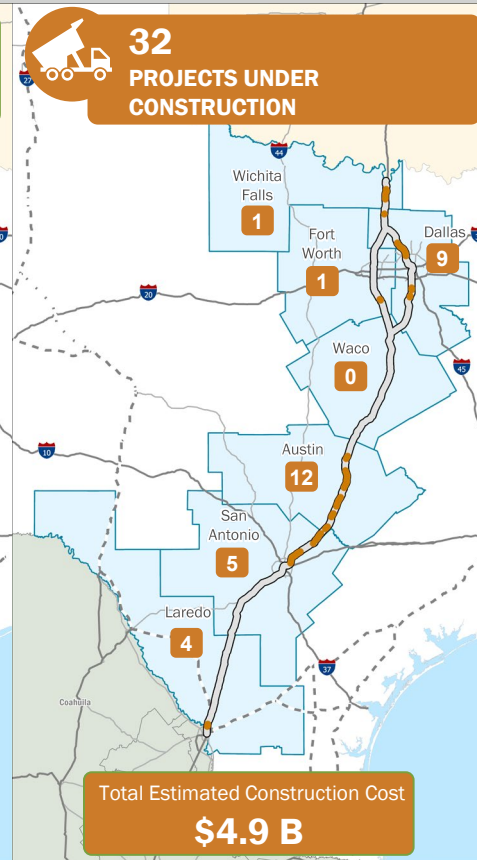
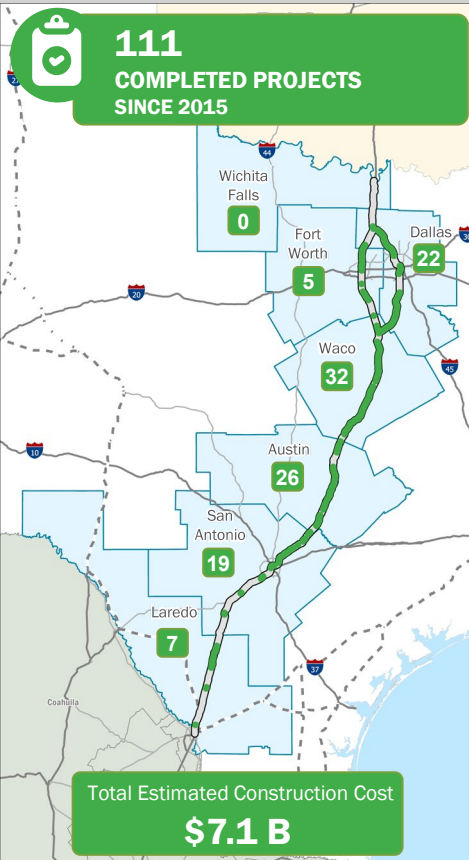
I-35 Corridor Total Funding Summary



District	Completed Projects (since 2015)	Projects Under Construction	Fully Funded Projects in the 2024 UTP	Potential Future Projects (Partially Funded)	Funding Gap	Total I-35 Potential Investment
Wichita Falls	-	\$208 M	\$738 M	-	-	\$0.9 B
Dallas	\$2,779 M	\$988 M	\$1,783 M	\$74 M	\$5,996 M	\$11.6 B
Fort Worth	\$1,997 M	\$13 M	\$38 M	-	\$3,072 M	\$5.1 B
Waco	\$1,783 M	-	\$261 M	\$102 M	\$623 M	\$2.8 B
Austin	\$374 M	\$1,339 M	\$4,567 M	\$371 M	\$1,666 M	\$8.3 B
San Antonio	\$206 M	\$2,282 M	\$361 M	\$344 M	\$415 M	\$3.6 B
Laredo	\$9 M	\$115 M	\$29 M	\$420 M	\$1,713 M	\$2.3 B
Totals	\$7.1 B	\$4.9 B	\$7.8 B	\$1.3 B	\$13.5 B	\$34.7 B

* All funding estimates above are in Year of Expenditure dollars. Engineering and Right of Way costs are not included above.

I-35 Corridor Total Number of Projects

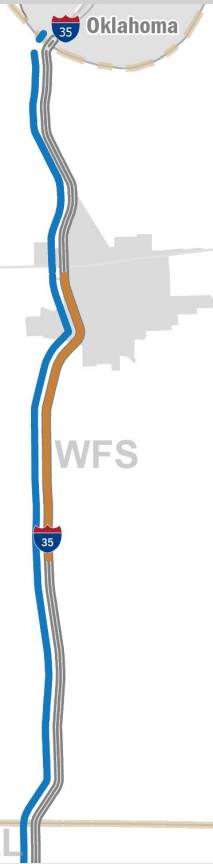


I-35 Corridor Highway Projects Status: Wichita Falls District



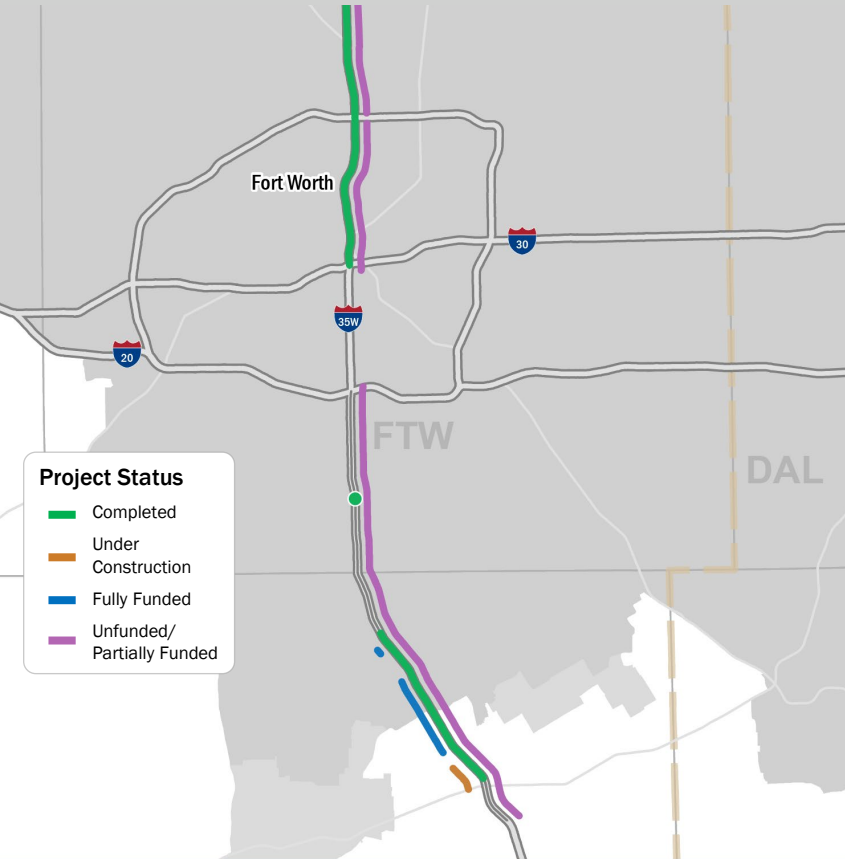
Project Status





- Completed
- Under Construction
- Fully Funded
- Unfunded/Partially Funded



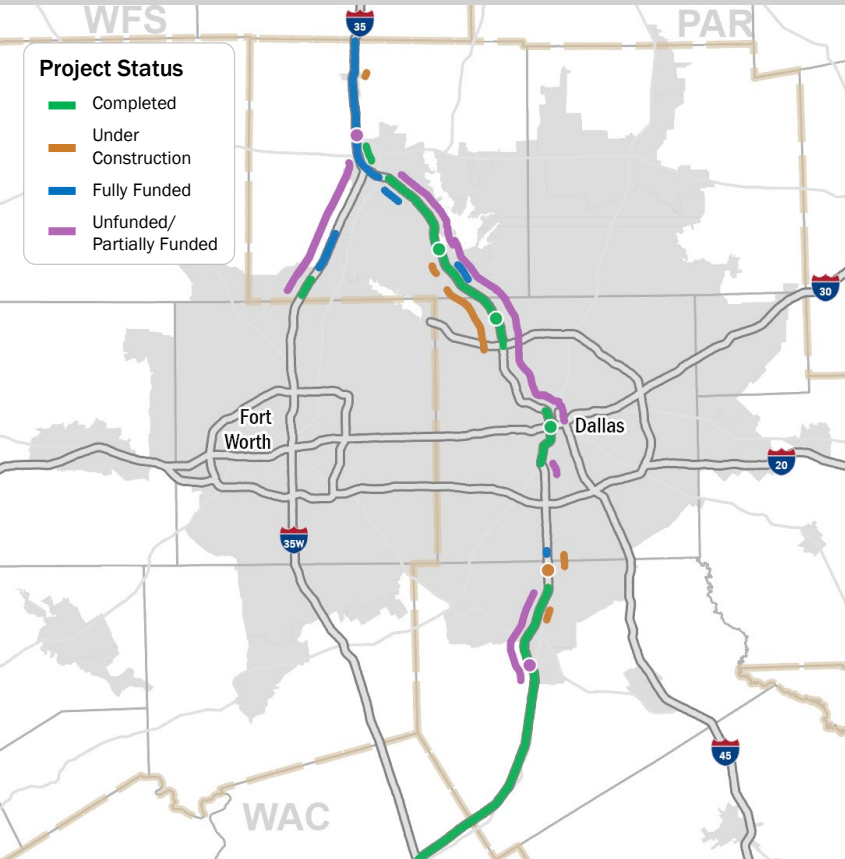
Project Status	Number of Projects	Estimated Construction Cost	Funding Amount	Funding Gap
 Under Construction	1	\$208.4 M	\$208.4 M	-
 Fully Funded	6	\$738.1 M	\$738.1 M	-
Total	7	\$946.5 M	\$946.5 M	-





I-35 Corridor Highway Projects Status: Fort Worth District



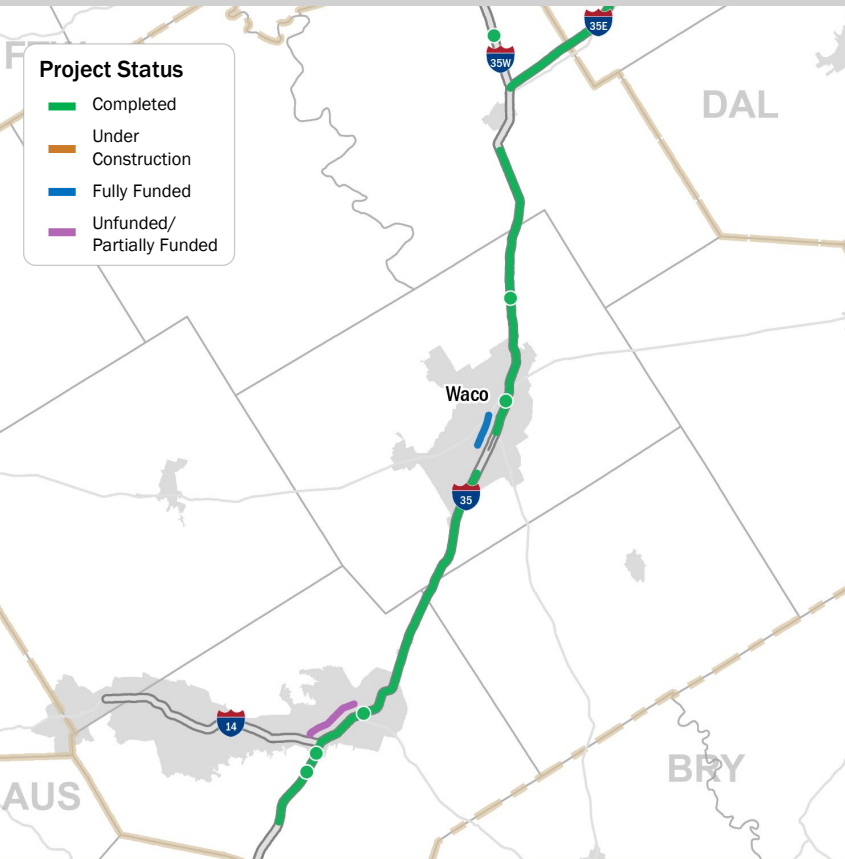
Project Status	Number of Projects	Estimated Construction Cost	Funding Amount	Funding Gap
 Completed	5	\$1,996.5 M	\$1,996.5 M	-
 Under Construction	1	\$13.4 M	\$13.4 M	-
 Fully Funded	2	\$38.0 M	\$38.0 M	-
 Unfunded/Partially Funded	8	\$3,072.1 M	\$0.0 M	\$3,072.1 M
Total	16	\$5,120.0 M	\$2,047.9 M	\$3,072.1 M




I-35 Corridor Highway Projects Status: Dallas District



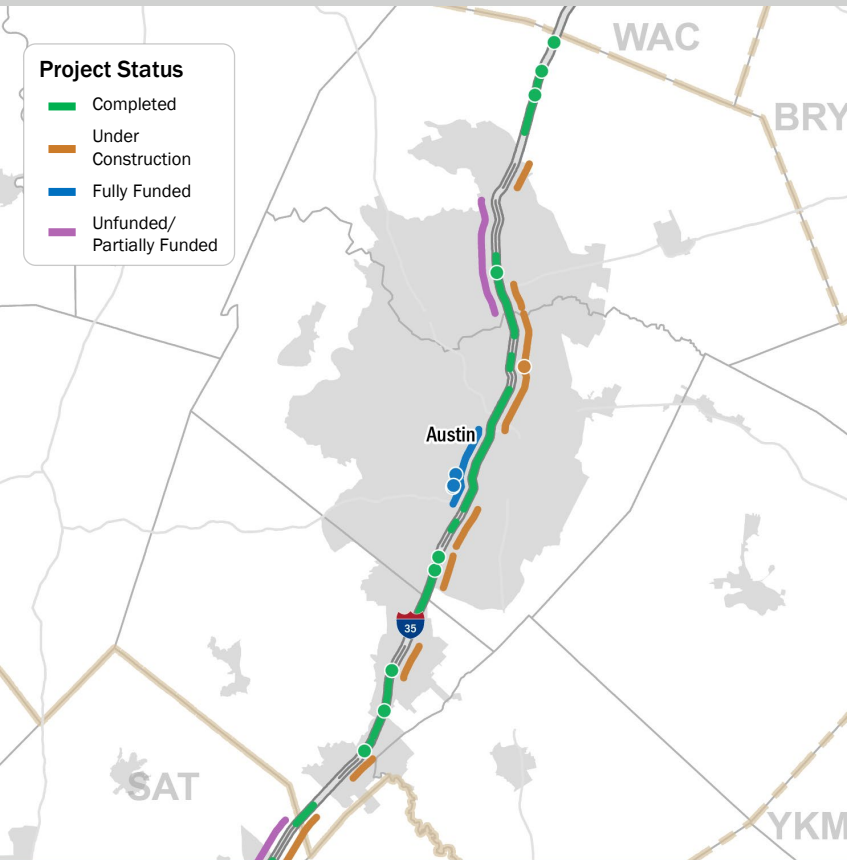
Project Status	Number of Projects	Estimated Construction Cost	Funding Amount	Funding Gap
 Completed	22	\$2,778.5 M	\$2,778.5 M	-
 Under Construction	9	\$988.3 M	\$988.3 M	-
 Fully Funded	11	\$1,783.2 M	\$1,783.2 M	-
 Unfunded/Partially Funded	22	\$6,070.0 M	\$74.4 M	\$5,995.6 M
Total	64	\$11,620.0 M	\$5,624.4 M	\$5,995.6 M





I-35 Corridor Highway Projects Status: Waco District



Project Status	Number of Projects	Estimated Construction Cost	Funding Amount	Funding Gap
 Completed	32	\$1,783.3 M	\$1,783.3 M	-
 Fully Funded	1	\$261.2 M	\$261.2 M	-
 Unfunded/Partially Funded	1	\$725.0 M	\$101.6 M	\$623.4 M
Total	34	\$2,769.5 M	\$2,146.1 M	\$623.4 M

I-35 Corridor Highway Projects Status: Austin District



Project Status	Number of Projects	Estimated Construction Cost	Funding Amount	Funding Gap
 Completed	26	\$373.6 M	\$373.6 M	-
 Under Construction	12	\$1,339.2 M	\$1,339.2 M	-
 Fully Funded	10	\$4,566.6 M	\$4,566.6 M	-
 Unfunded/Partially Funded	2	\$2,036.8 M*	\$370.7 M	\$1,666.1 M*
Total	50	\$8,316.2	\$6,650.1 M	\$1,666.1 M

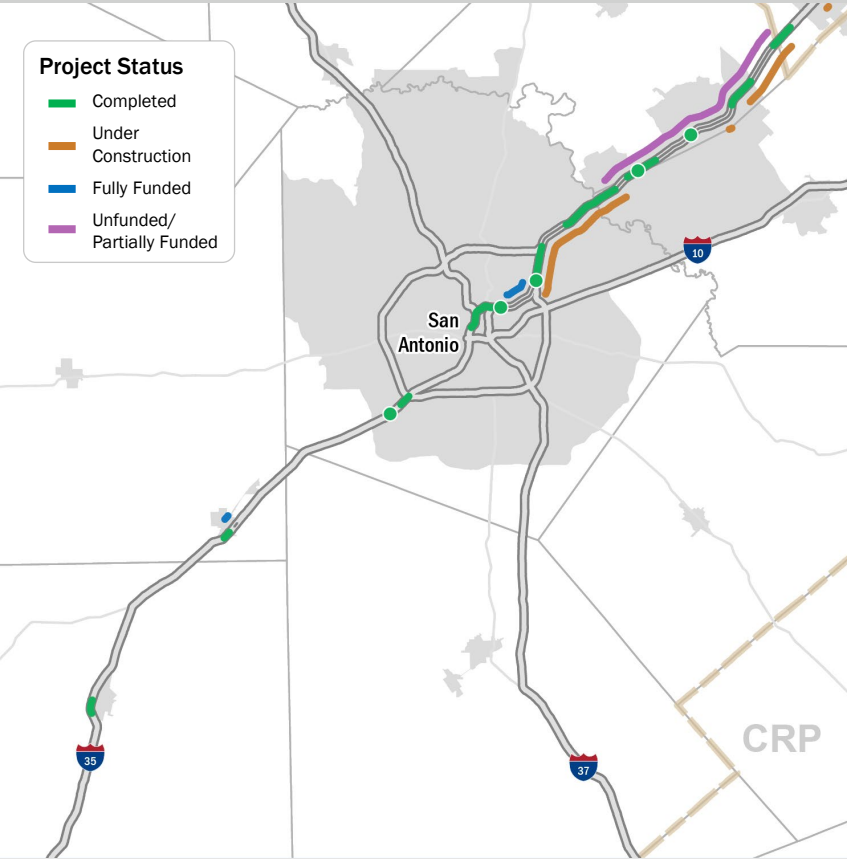
* Preliminary estimates (not yet in TxC).





I-35 Corridor Highway Projects Status: San Antonio District



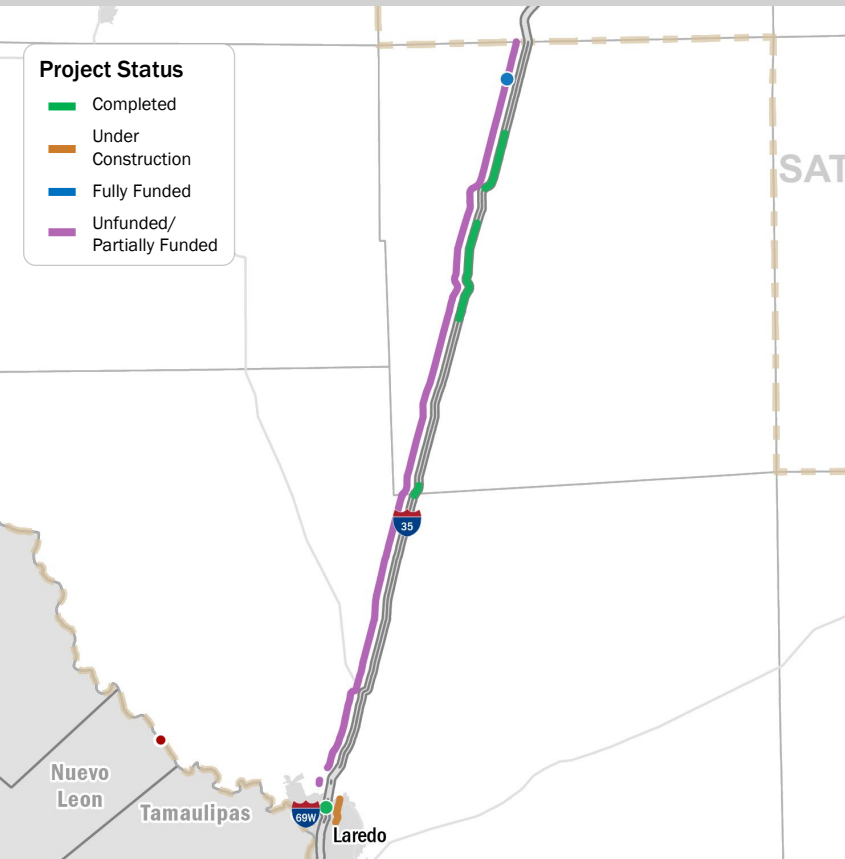
Project Status





- Completed
- Under Construction
- Fully Funded
- Unfunded/Partially Funded



Project Status	Number of Projects	Estimated Construction Cost	Funding Amount	Funding Gap
 Completed	19	\$205.5 M	\$205.5 M	-
 Under Construction	5	\$2,282.3 M	\$2,282.3 M	-
 Fully Funded	2	\$360.5 M	\$360.5 M	-
 Unfunded/Partially Funded	4	\$759.7 M	\$344.4 M	\$415.3 M
Total	30	\$3,608.0 M	\$3,192.7 M	\$415.3 M

I-35 Corridor Highway Projects Status: Laredo District



Project Status	Number of Projects	Estimated Construction Cost	Funding Amount	Funding Gap
 Completed	7	\$8.5 M	\$8.5 M	-
 Under Construction	4	\$114.9 M	\$114.9 M	-
 Fully Funded	2	\$29.0 M	\$29.0 M	-
 Unfunded/Partially Funded	10	\$2,132.4 M	\$419.8 M	\$1,712.6 M
Total	23	\$2,284.8 M	\$572.2 M	\$1,712.6 M



DISCUSSION