





Impact of Freight to the Texas and DFW Economy and Transportation Infrastructure

Caroline A. Mays, AICP, Director

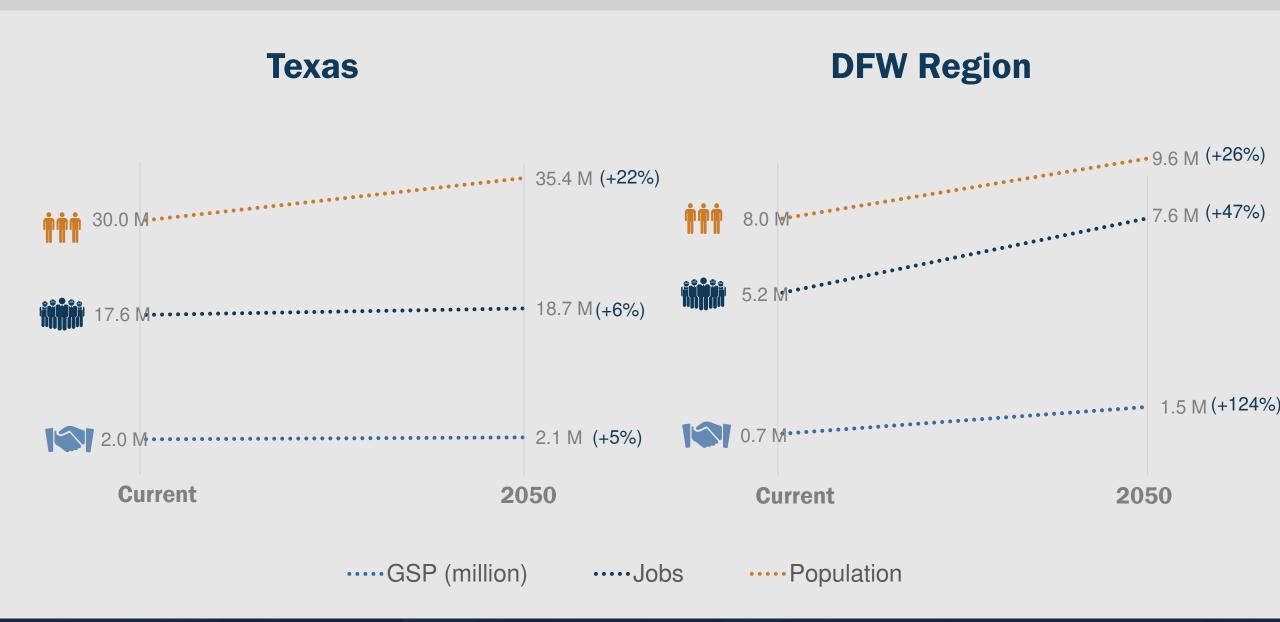
Planning and Modal Programs, TxDOT

Transportation Crossroads Conference

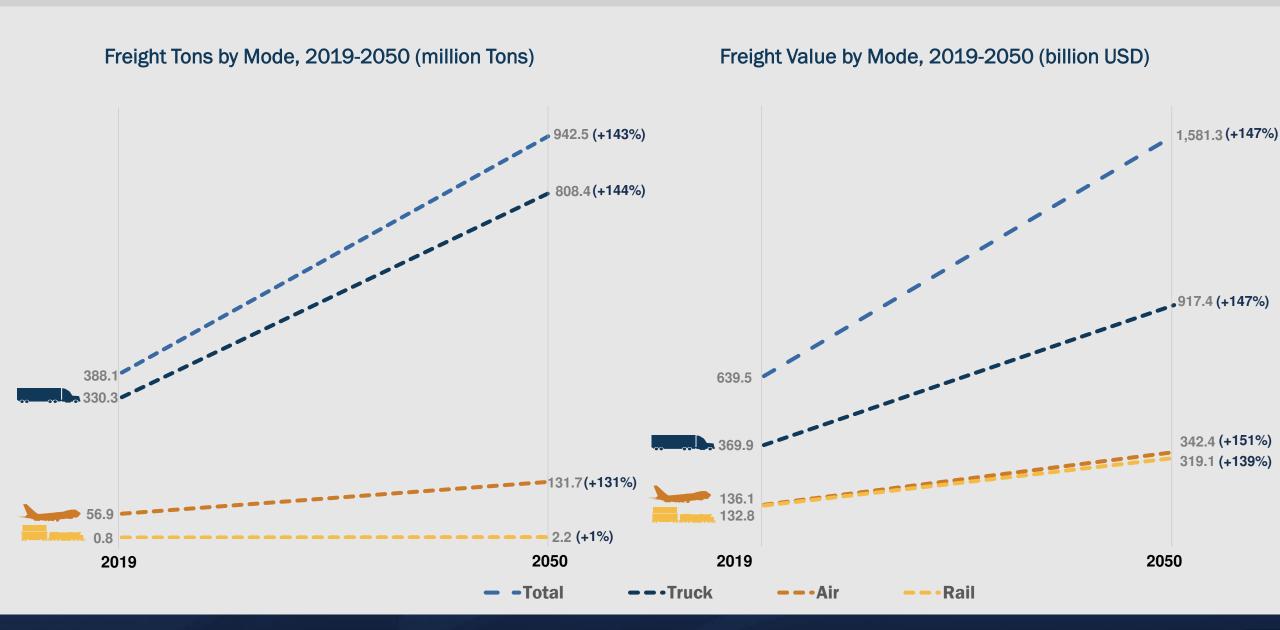
November 17, 2023



Freight and the Texas and DFW Region's Economy - Current and Future Growth



Freight Moving in DFW Region by Mode 2019-2050



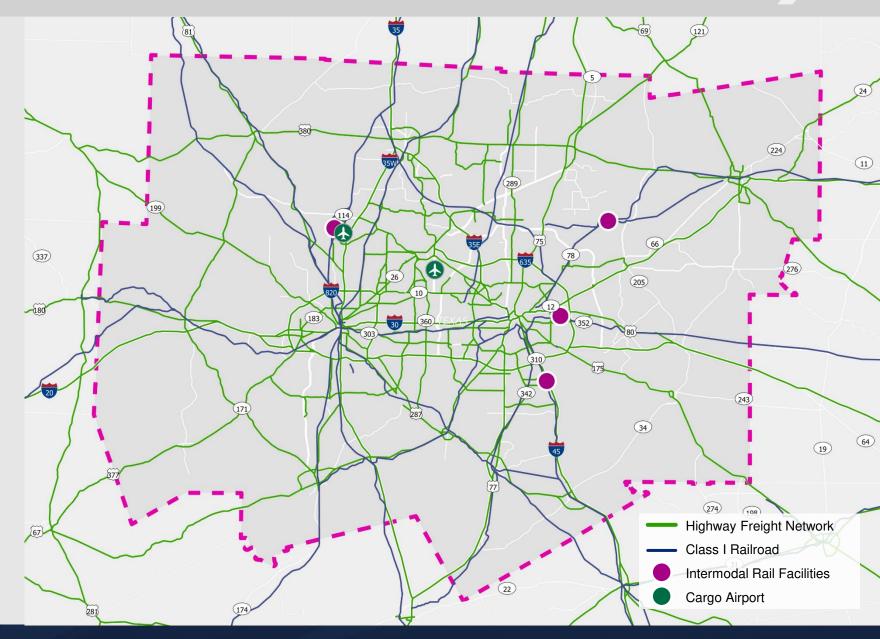
DFW Region's Multimodal Freight Transportation Network and Connectivity











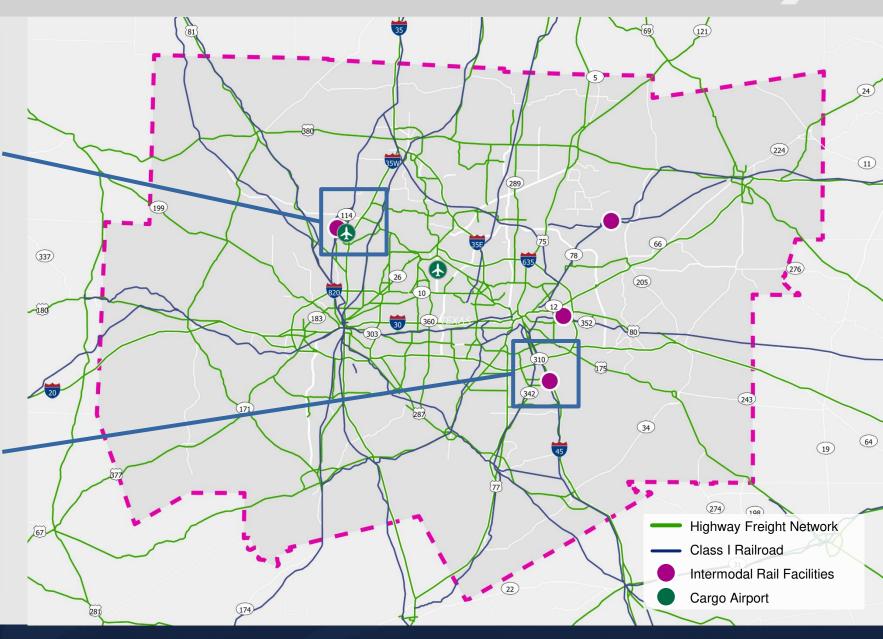
Dallas-Fort Worth Region's National and Global Logistics Hubs

Alliance Texas Logistics Hub

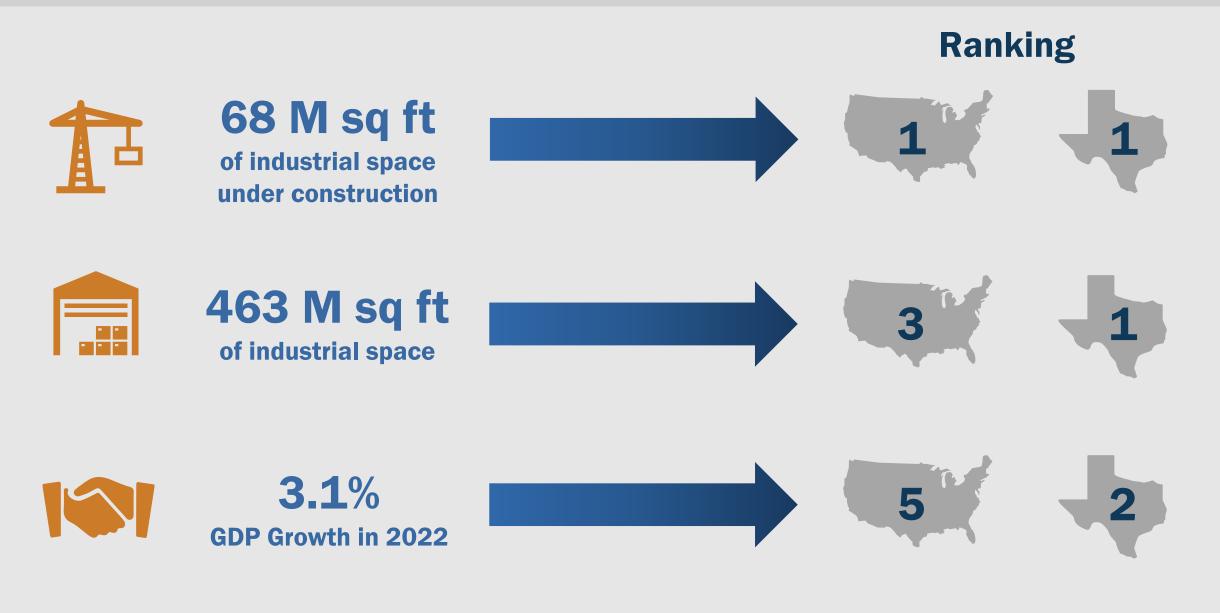
- International connectivity via BNSF Intermodal Yard, Alliance Airport, and I-35W
- 9,600-acre Foreign Trade Zone
- Amazon, FedEx, and UPS hubs

Southern Dallas County Inland Port

- Direct access to I-45 and I-20, UP Dallas Intermodal Terminal, and Lancaster Airport
- 83 companies and 36 M square feet of operating or announced
- Foreign Trade Zone



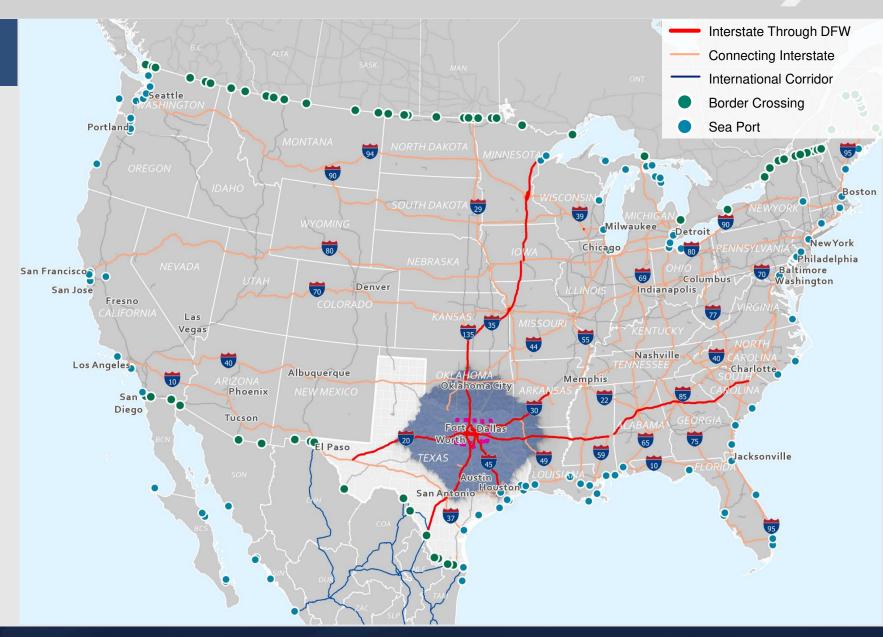
Dallas-Fort Worth Region is a National Leader in Industrial Growth



DFW Region's Freight National and North American Connectivity by Truck



5 major metro areas 4 states



DFW Region's Freight National and North American Connectivity by Truck



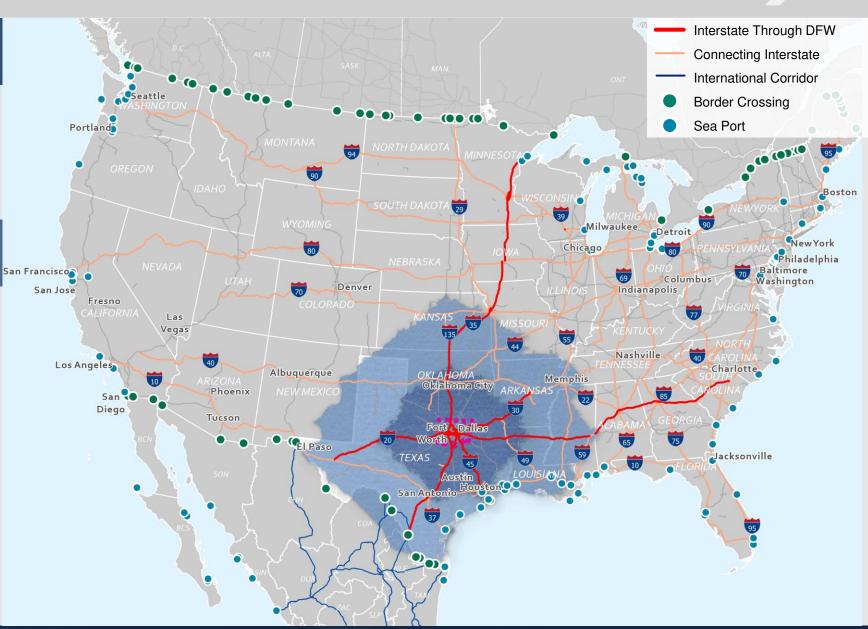
4 hours

5 major metro areas 4 states



8 hours

Metro areas in 5 states 12 truck border crossings 16 container port terminals



DFW Region Freight National and North American Connectivity by Truck



4 hours

5 major metro areas 4 states



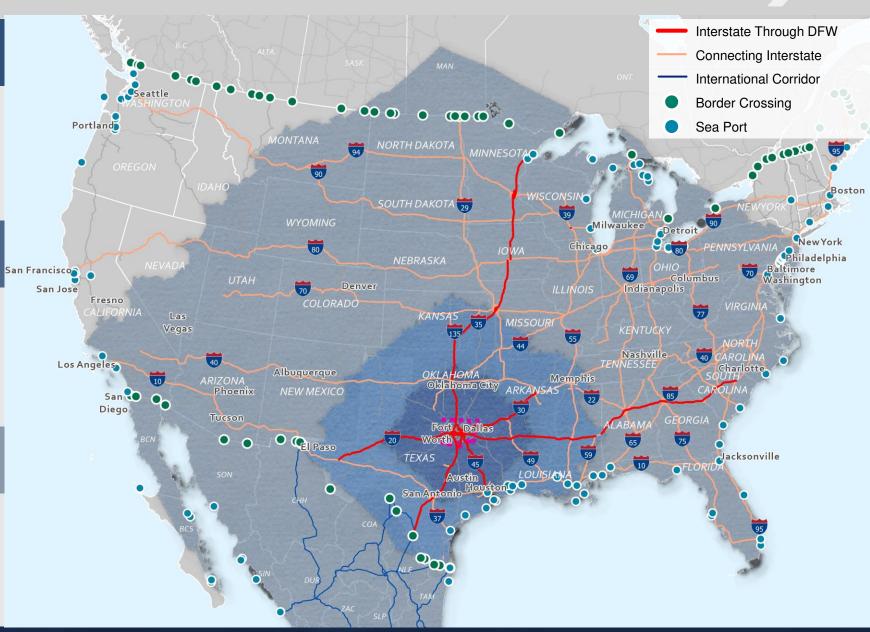
8 hours

Metro areas in 5 states 12 truck border crossings 16 container port terminals



24 hours

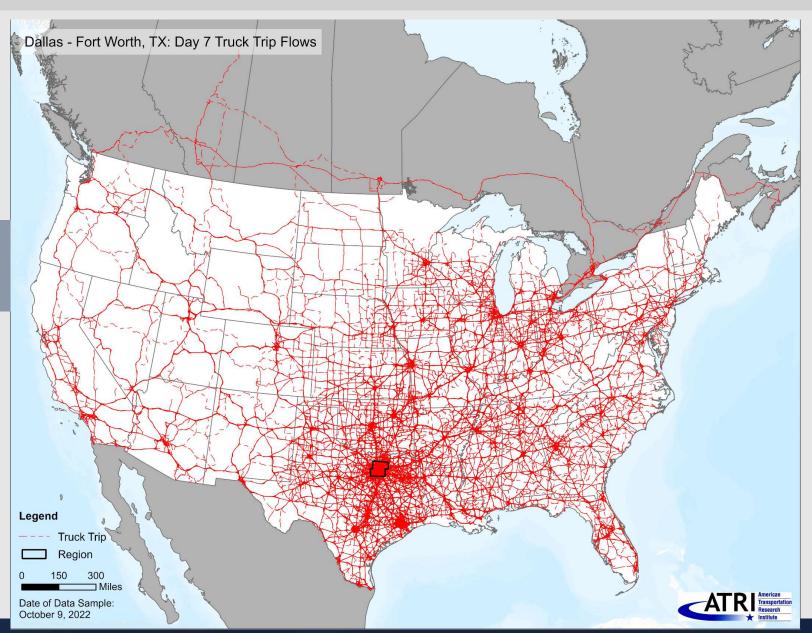
77% of US Urbanized Areas29 Mexican States3 Canadian Provinces



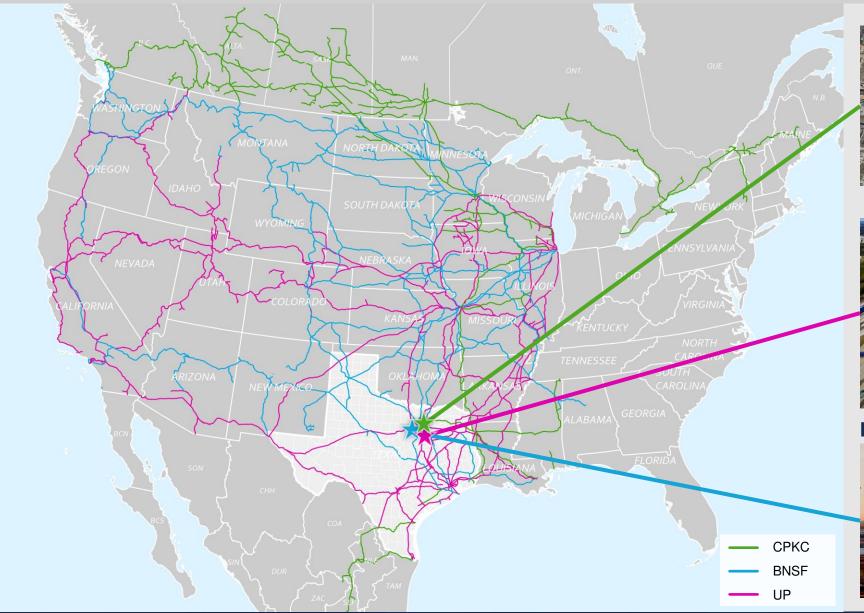
DFW Region's Freight Truck National and North American Connectivity Impact

7 Days Truck Trips from DFW

100% of United States Canadian Provinces Mexico



DFW Region – National and North American Rail Connectivity Impact



CPKC DALLAS TERMINAL



UP DALLAS INTERMODAL TERMINAL



BNSF ALLIANCE INTERMODAL TERMINAL



1 in every 7 jobs



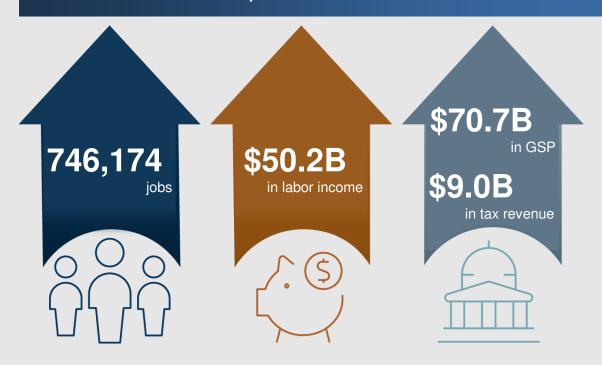
industries in 2021

Direct Jobs and Labor Income in Freight Transportation and Handling Industries in DFW Metroplex in 2021

346,784 jobs



Total Economic Impact of Freight Transportation and Handling Industries in DFW Metroplex in 2021



Economic Impact of Direct Freight Jobs and Freight Dependent Industries in DFW Region, 2021

Total economic impacts of direct employment in the freight transportation and handing industries plus direct economic impacts of freight-dependent industries in DFW Metroplex in 2021

1.1M jobs

\$82.7B in labor income

\$149.0B in GSP \$19.9B in federal, state, and local tax revenue

These impacts equate to

21% (1 in <5)

of DFW Metroplex jobs



21%

of DFW Metroplex labor income



23%

of DFW Metroplex **GSP**



in 2021

Economic Impact of DFW Region's – Automotive and Aerospace Manufacturing and Supply Chains

Industry Direct Impact in 2021

TEXAS





\$ 29,740	\$ 17,166	57.7%
		DFW



98,390	52,961	53.8 %



\$ 11,098	\$ 6,765	61.0%

Source: TREDIS, 2021

Selected Top Firms in the DFW Region



BOMBARDIER





Economic Impact of Integrated Binational Automotive Manufacturing Supply Chain



May2021

DFW Region - Automotive and Aerospace Manufacturing Connections and Economic Impact

Automotive and Aerospace Freight Movement in 2019

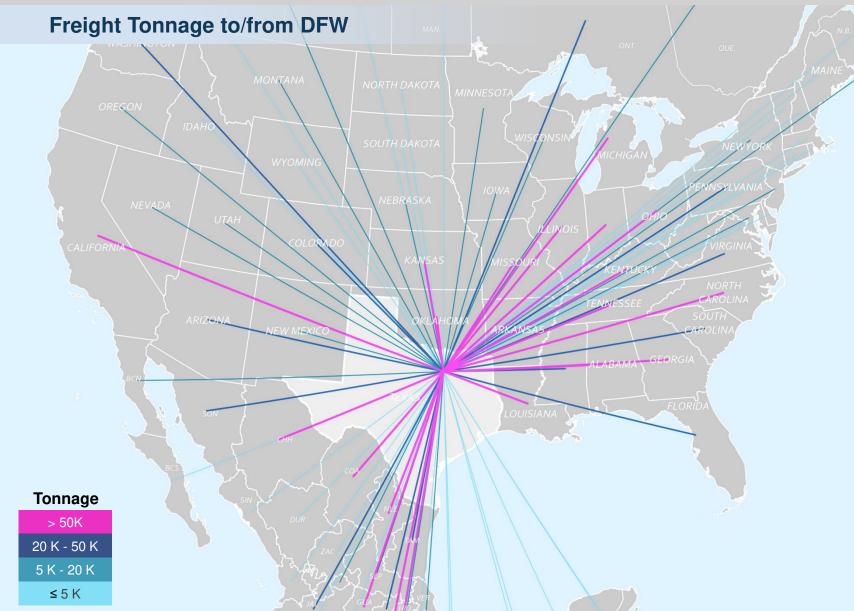


6.4

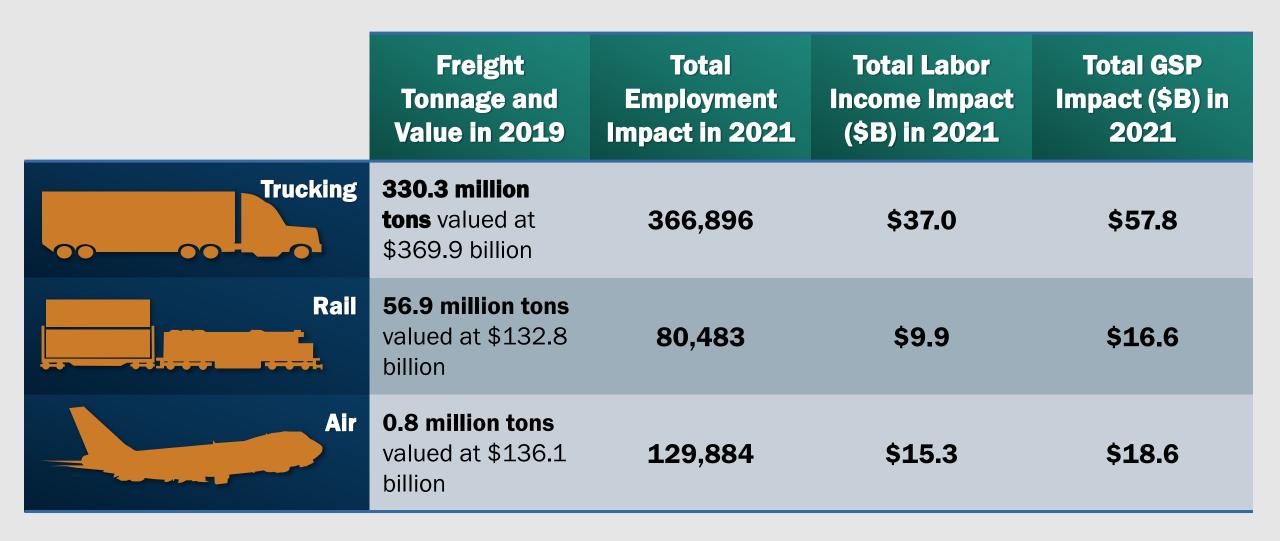


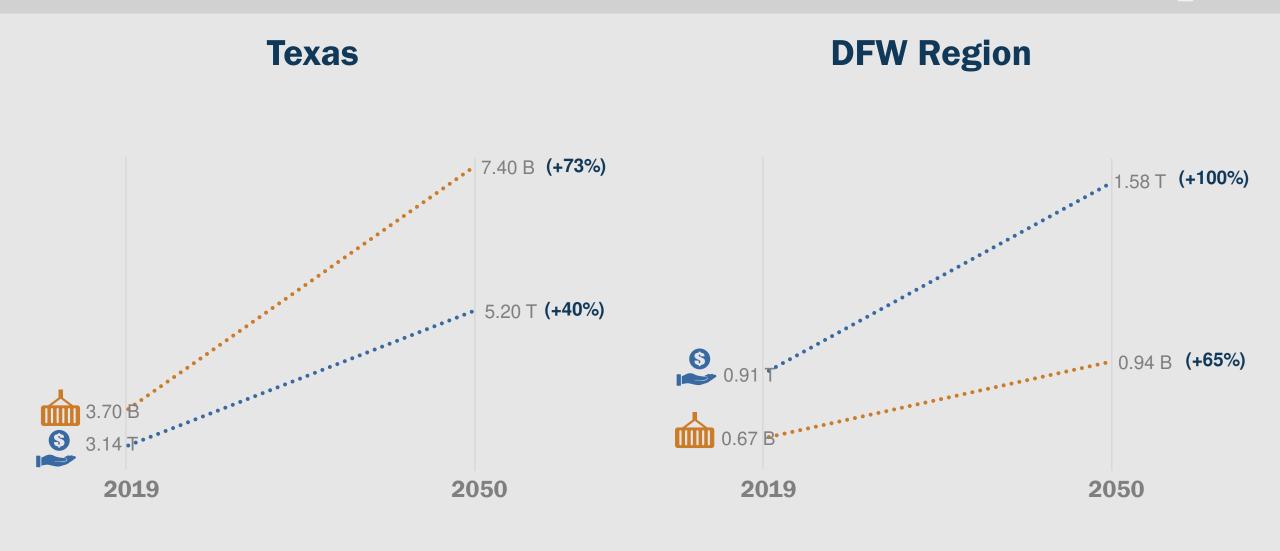
million **TONS** of freight





Economic Impact of Freight Movement by Mode in the DFW Region



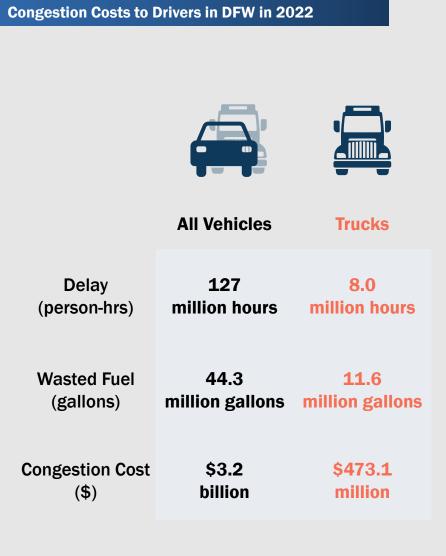


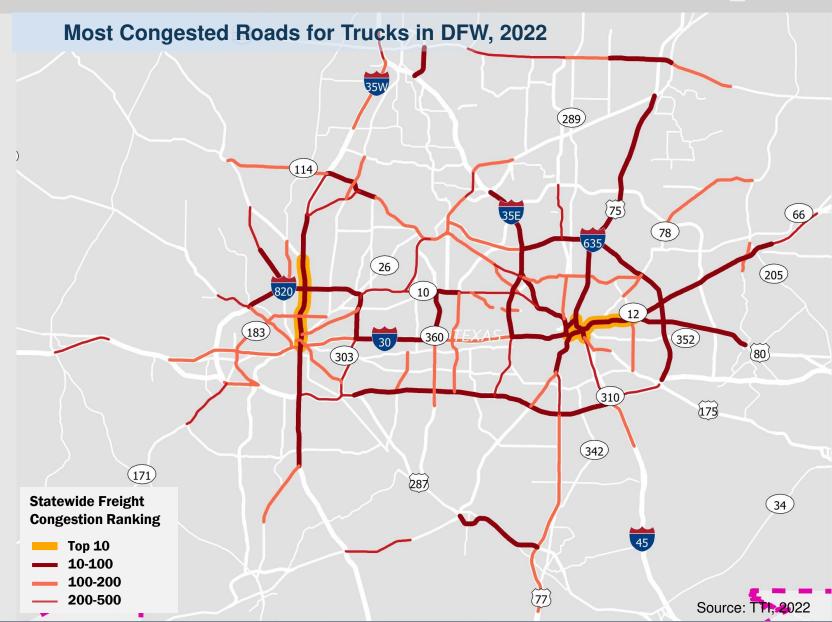


Impact of Freight on the DFW Transportation Infrastructure



Impact of Congestion on Freight Movement in the DFW, 2022

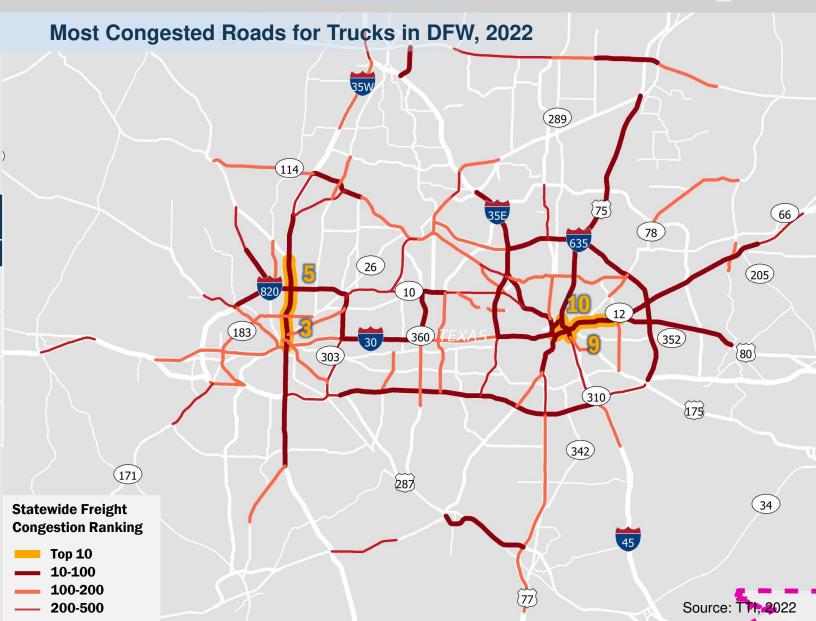




Impact of Congestion on Freight Movement in DFW, 2022

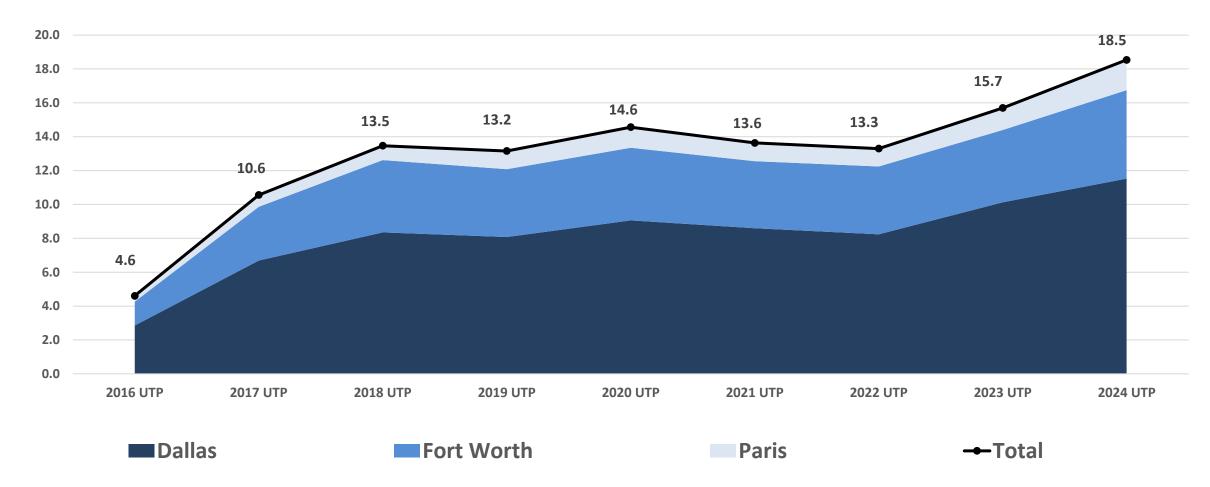
DFW Roads in Texas' Top 10 Most Congested Truck Segments

State Rank	Segment	All Vehicles (avg. speed, mph)		Trucks (avg. speed, mph)	
		Peak	Off-Peak	Peak	Off-Peak
3	I-35W SH 183 to IH 30	37.5	61.0	38.4	61.3
5	I-35W US 287 to SH 183	47.4	62.5	48.1	62.9
9	I-30 Jefferson Via. to SL 12 E	38.7	59.9	39.4	60.1
10	I-45 US 75 to US 175	37.7	56.1	38.6	57.3



2024 UTP Funding for the Dallas-Fort Worth Region – 2016 - 2024

Overview of Dallas-Fort Worth Regional UTP Funding (\$B) 2016 UTP – 2024 UTP

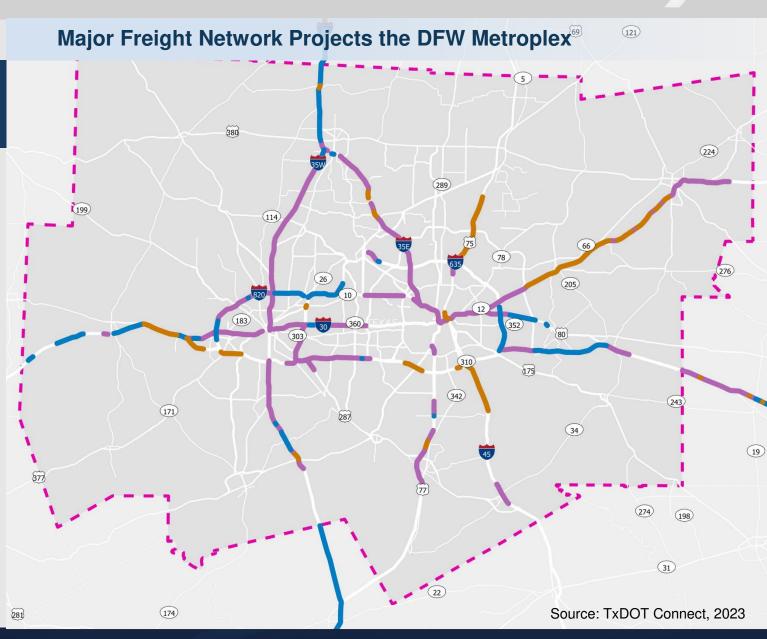


Figures represent 10-year UTP totals

Investment in the Freight Network in DFW

TxDOT has committed over \$7.6 billion in improving the Freight Network in the metroplex over the next 10 years

Project Status	# of Projects	Const. Cost	Funding
Under Construction	146	\$1.8B	\$1.8B
Fully Funded	110	\$2.7B	\$2.9B
Partial/Unfunded	117	\$24.7B	\$2.9B
Total	373	\$29.2B	\$7.6B



Thank you!



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