



# State of Freight Infrastructure in the San Antonio Region

**SAMCo Luncheon**



March 5, 2020

# Bexar County Population Vs Freight Tonnage Growth 2018 and 2050



County *	2018 Population* (million)	2050 Population* (million)	% Growth	2018 Hwy Freight Tonnage** (million)	2050 Hwy Freight Tonnage** (million)	% Growth
Dallas	2.61	4.04	55 %	1.61	2.79	73 %
Tarrant	2.02	3.33	65 %	0.90	1.54	72 %
Bexar	1.94	3.35	72 %	0.94	1.81	92 %

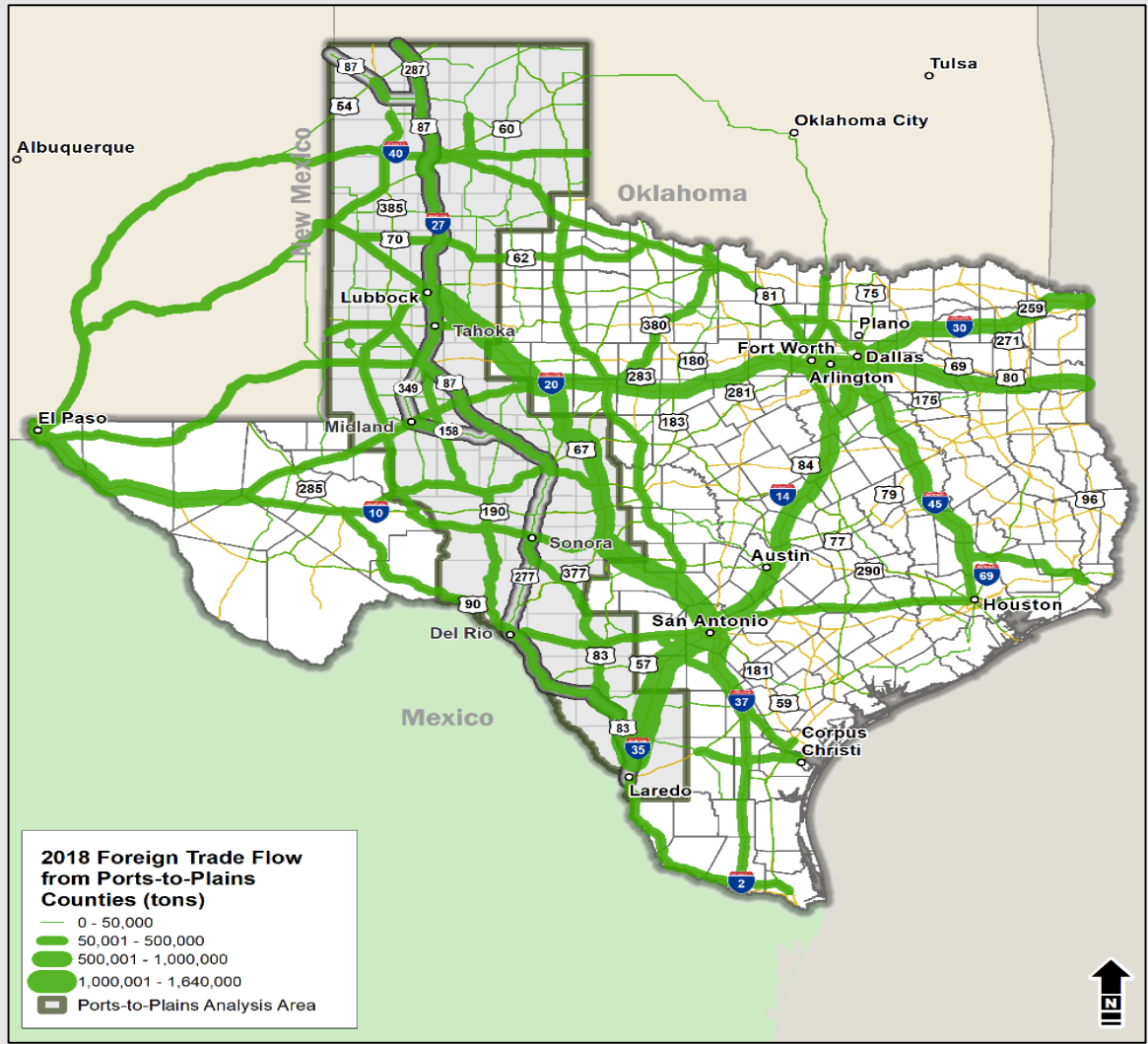
\* Texas Demographic Center , \*\* IHS Global Insight TRANSEARCH®

- Bexar County is one of the top three counties in population and highway freight tonnage growth on I-35 corridor
- Population growth results in increased freight tonnage on the highway

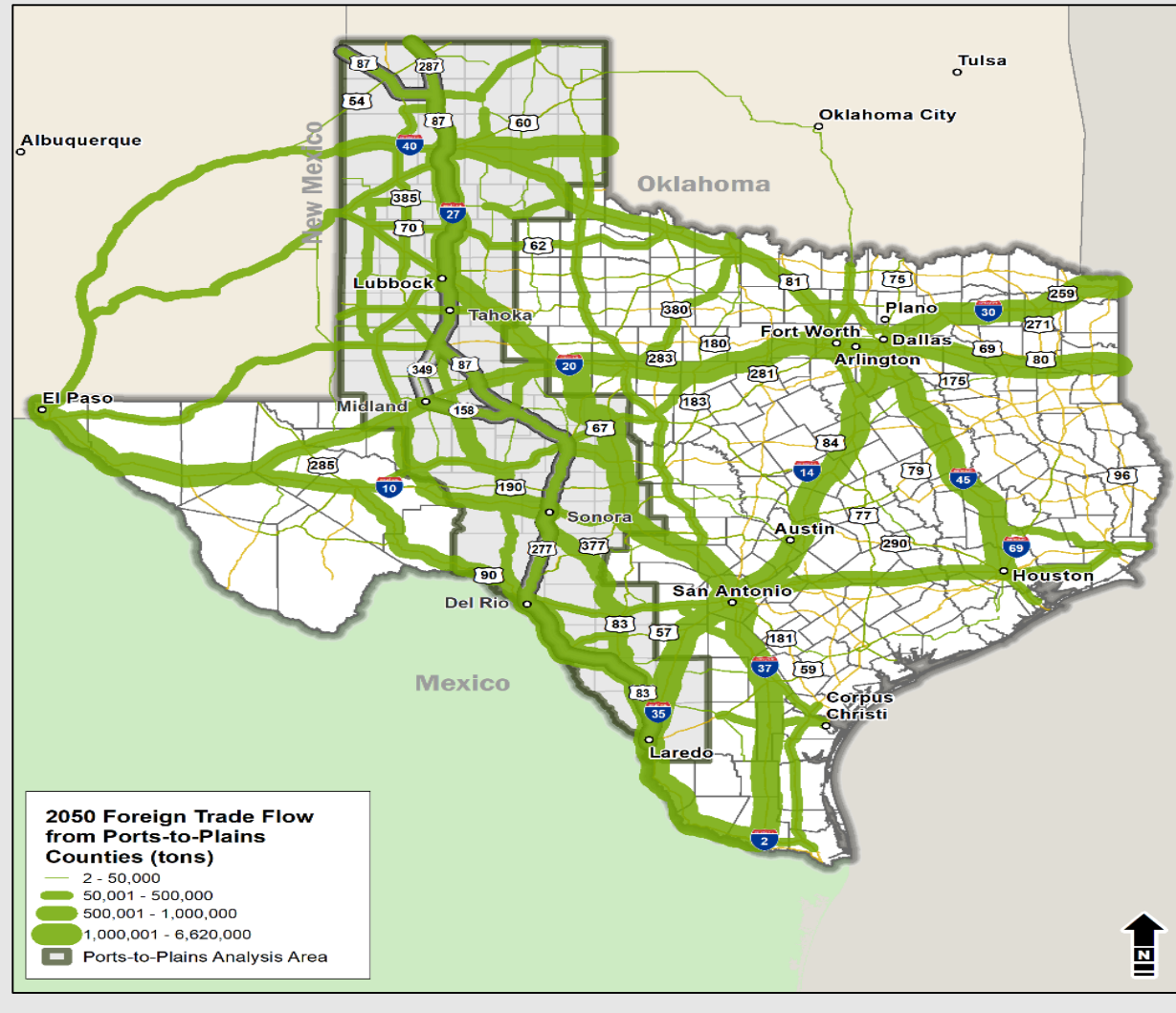
# Supply Chain Network 2050 Growth in International Trade



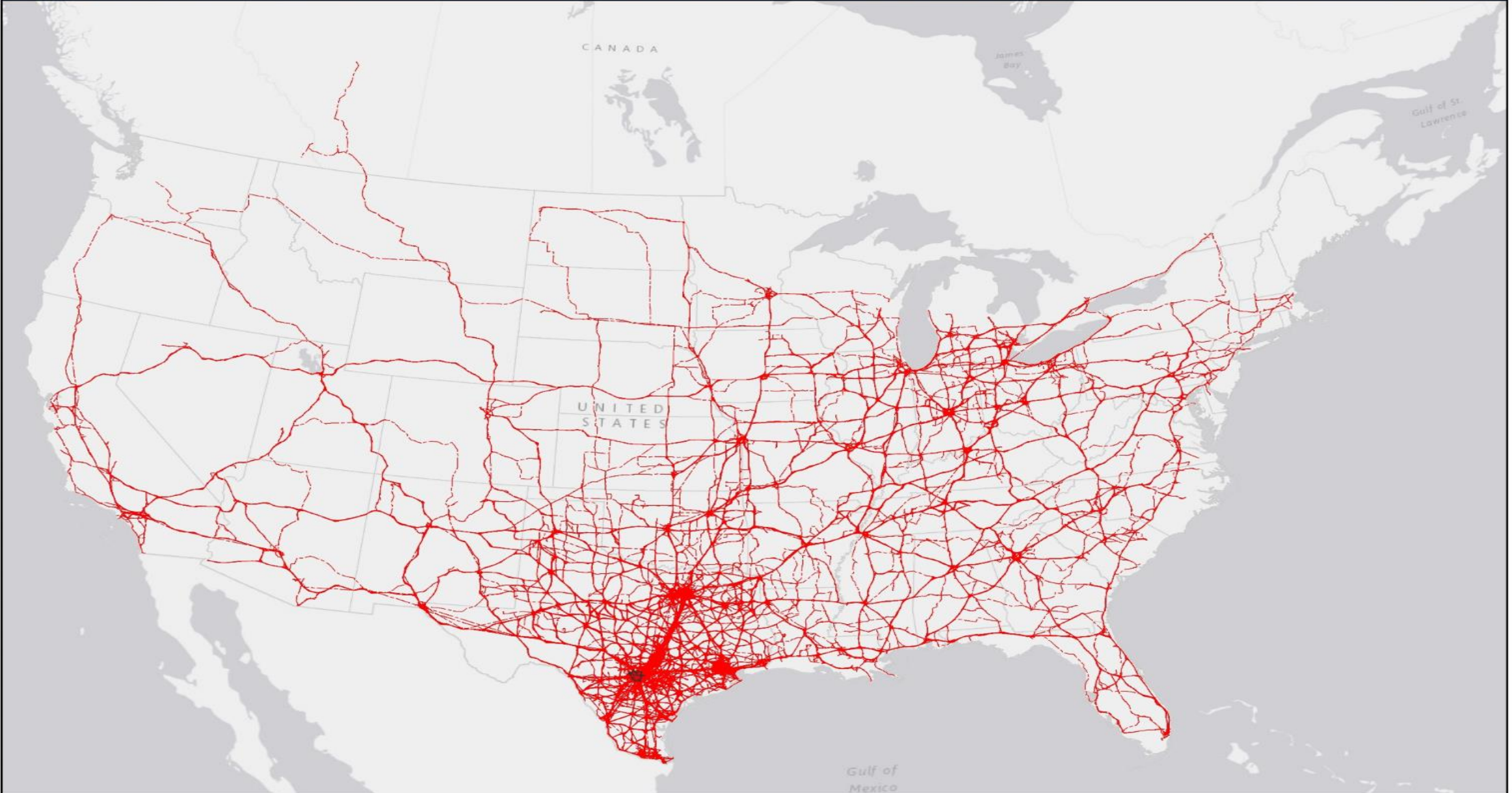
2018 Foreign Trade Tonnage Flows



2050 Foreign Trade Tonnage Flows



Source: TxDOT SAM and TRANSEARCH database

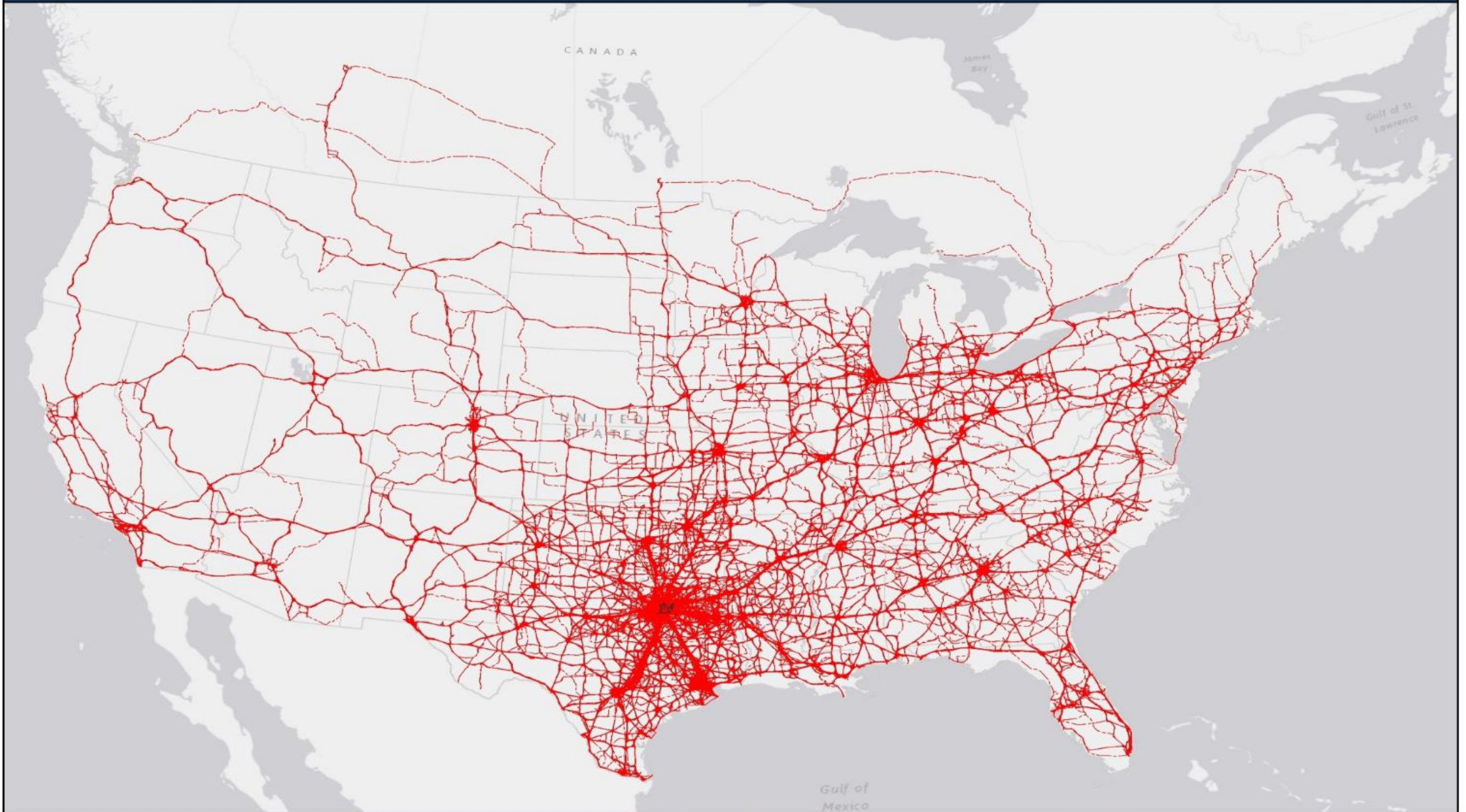


0 250 500 Miles

Texas Department of Transportation  
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Freight and International Trade Section  
March 02, 2017

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data as of December 31, 2016.





0 250 500  
Miles

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# Freight Challenges in Bexar County



## Traffic Delay

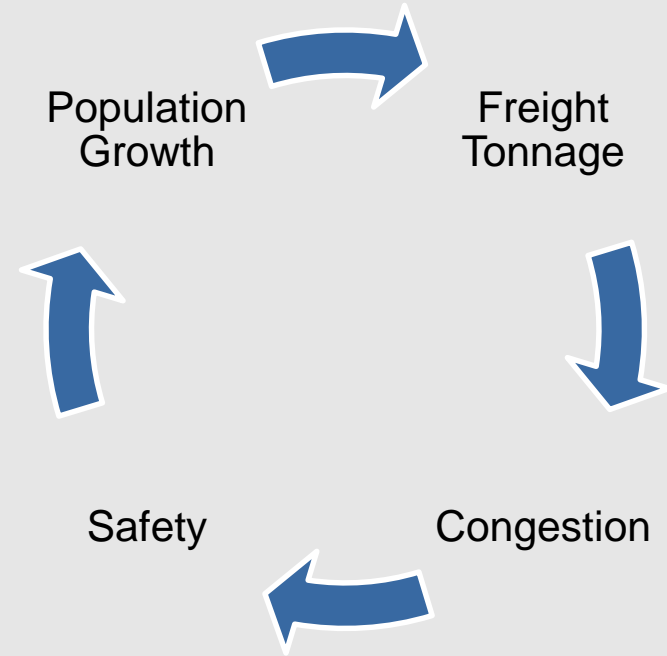
<b>Delay</b>	689,601 Hours
<b>Wasted Fuel</b>	321,001 Gallons
<b>Congestion Cost</b>	\$15,848,765

## Truck Delay

<b>Truck Delay</b>	68,245 Hours
<b>Truck Wasted Fuel</b>	120,528 Gallons
<b>Truck Cong. Cost</b>	\$3,776,731

## Truck Impact

	4.1% of Total Delay
	15.3% of Wasted Fuel
	10.7% of Congestion Costs



### TTI Top 100 Congested Roadways:

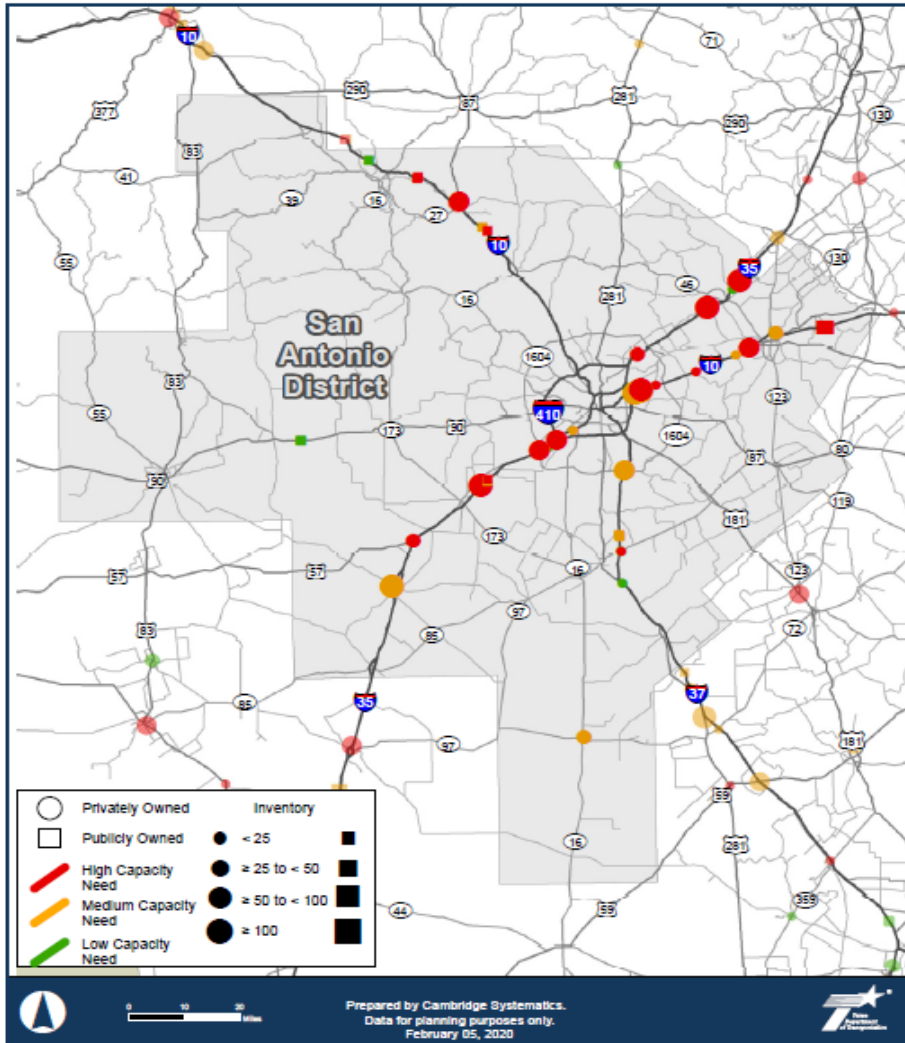
- 4 roadways listed in the top 50 for truck delay:
  - # 23 – PanAm Expy/IH 35/IH 10 from US 281 to US 90
  - # 30 – PanAm Expy/IH 35 from SL 1604 to IH 410
  - # 36 – US 281 from Stone Oak Pkwy to SL 1604
  - # 50 – SL 1604 from US 281 to IH 10/US 87

\*Source – TTI Top 100 Congested Roadways - 2019

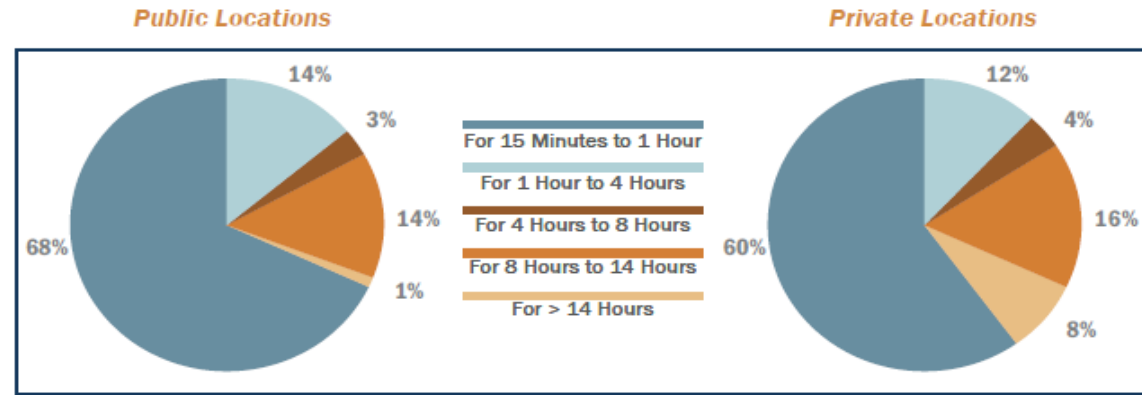
# Truck Parking – San Antonio District



## Utilization and Inventory by Location



## Utilization by Length of Stay



## Parking at Authorized Locations and in Unauthorized Areas

	Number of Locations	Number of Spaces	Number of Parked Trucks	Shortage / Surplus of Spaces
Private Truck Stops	27	2,025	1,984	41
Rest Areas/Travel Information Center	8	123	85	38
Picnic Area/Pullouts	5	30	20	10
Unauthorized in TxDOT Right of Way	-	-	123	-
Unauthorized Elsewhere	-	-	431	-
<b>Total</b>	<b>40</b>	<b>2,178</b>	<b>2,643</b>	<b>-465</b>

Weekday average of modeled data at 1 A.M. (Statewide Peak Hour)

Number of Locations With High Or Medium Capacity Needs\*

21



Number of Locations with Low Capacity Needs\*

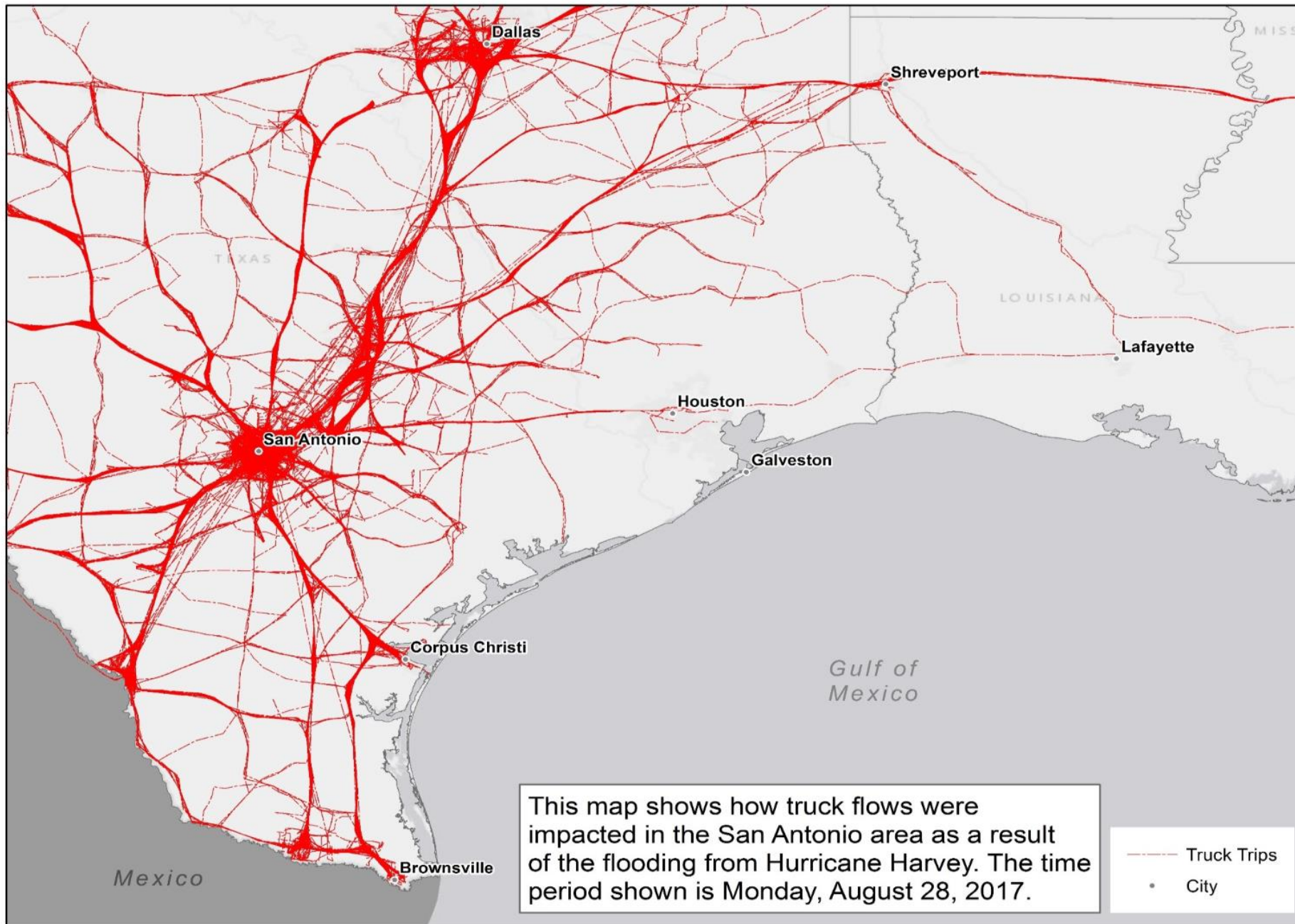
19

\*Capacity Need:

High => 80% Utilization at Peak Hour | Medium = 30%-80% Utilization at Peak Hour | Low =< 30% Utilization at Peak Hour



## Impact of Hurricane Harvey on San Antonio



# Texas Department of Transportation



## Questions

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