

CITY OF DALLAS/RTC PARTNERSHIP: OVERVIEW

TRANSPORTATION AND INFRASTRUCTURE COMMITTEE

February 23, 2021



North Central Texas
Council of Governments

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Director of Transportation
Staff Director to the RTC

OVERVIEW

Transportation Technology Projects for 2021 and Beyond

Purpose of RTC and its Legislative Focus

S.M. Wright as Regional Pilot

Transportation Solutions for Downtown Dallas

Transportation Technology Projects for 2021 and Beyond

(Pick One to Adopt) (Are They at Risk?)

- 1) Internet For All (Education, Food Deserts)
- 2) Dynamically Priced Managed Lanes (Section 2E, 5G)
- 3) High Speed Rail (Fort Worth, Arlington, Dallas, Houston)
- 4) Unmanned Aircraft System (Bell +)
- 5) Autonomous People Mover (Tarrant, Midtown Dallas)

Transportation Technology Projects for 2021 and Beyond

(Pick One to Adopt) (Are They at Risk?)

- 6) I.H.30 Next Generation Freeway Design
- 7) Toyota/GM (Hydrogen Fuel Cell/Electric)
- 8) Autonomous Heavy Duty Vehicles
- 9) Alliance Mobility Innovation Zone (BNSF, UP?)
- 10) Induction Loop in Pavement for Electric Vehicles

Purpose of Regional Transportation Council

(a Metropolitan Planning Organization under Federal Rule)

Implement Federal Process

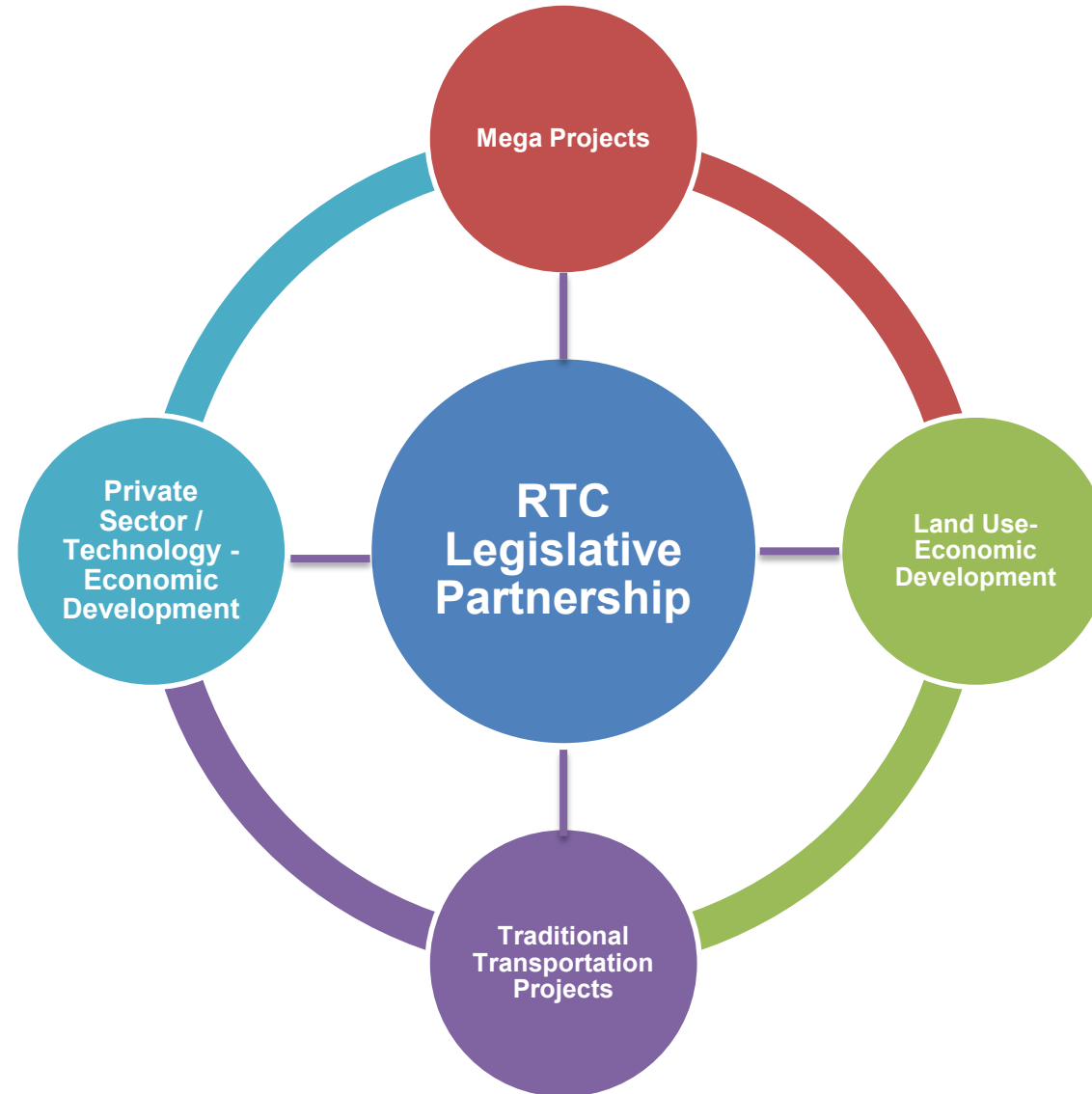
More Nimble than State DOTs

Focus on Broad Policies (e.g., Environmental Justices, Air Quality and Economic Development)

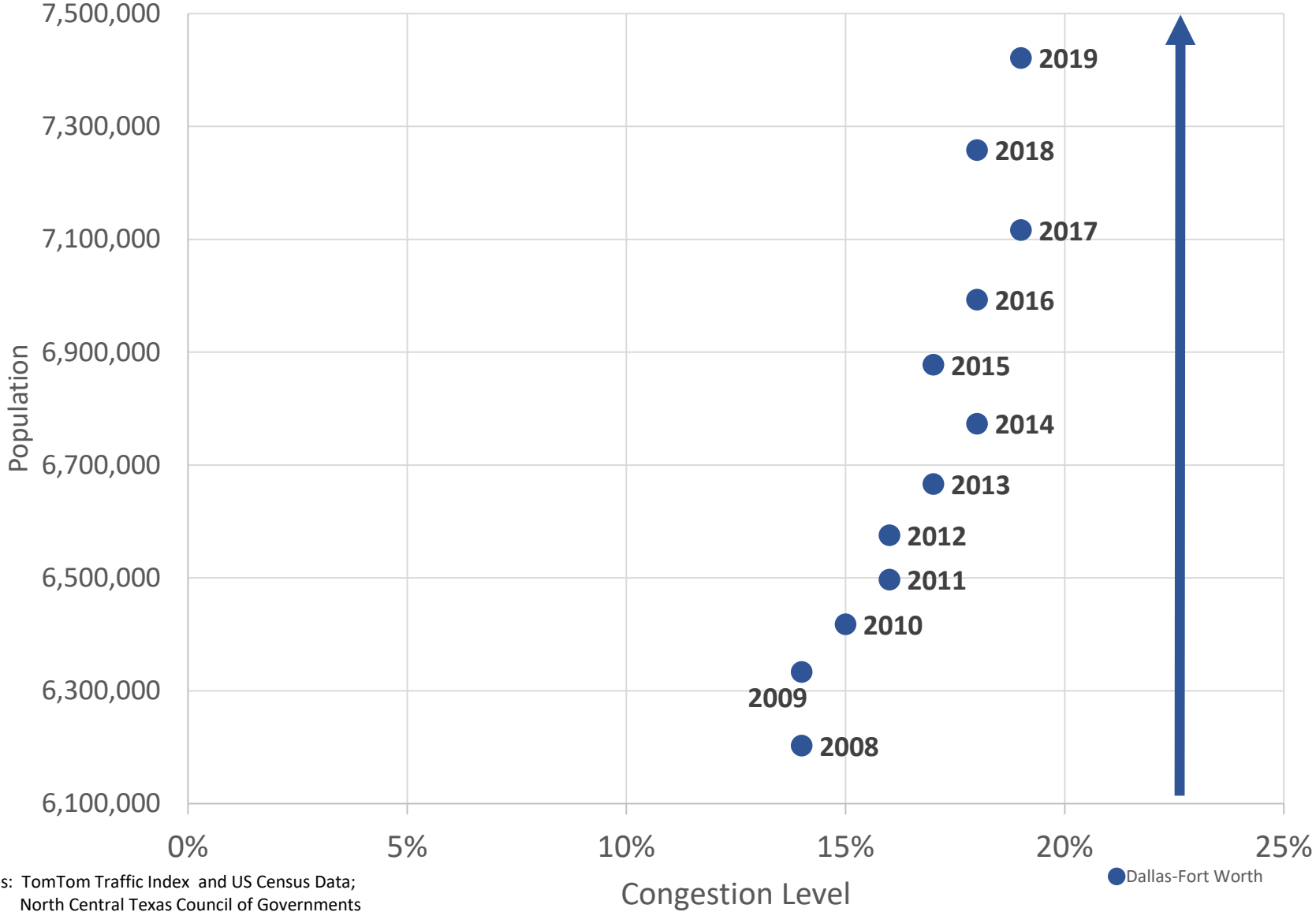
Implement Last Mile Transportation Connections

Enhance Gross Domestic Product (4 RTC Programs)

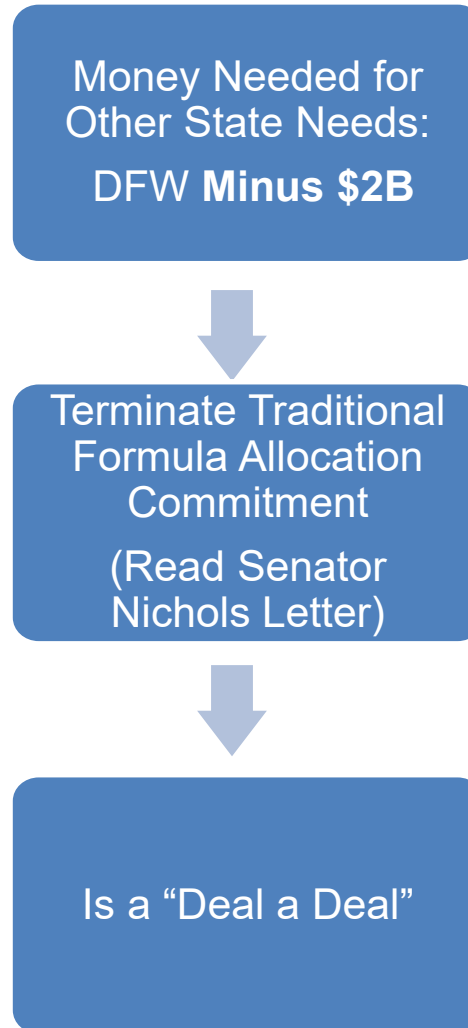
Dallas-Fort Worth Miracle: Four (RTC) Programs



Dallas-Fort Worth Congestion Levels and Population



Basic Problem



Next Steps

RTC Support for Formula Allocation

Request a Single P3 Project

Return Citizen LIRAP Funds Being Used to Certify the Budget

Adopted a Technology Project for 2021

S.M. Wright as Regional Leader in Technology

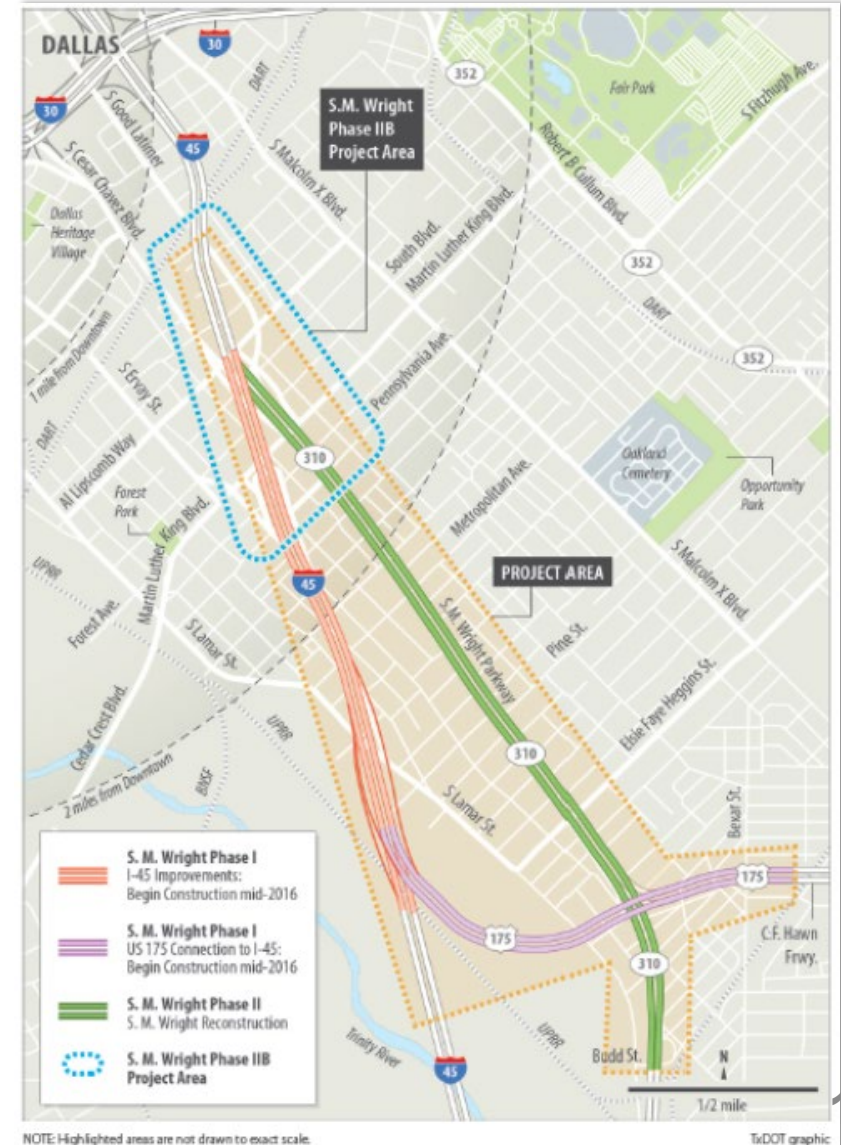
Focus:

Neighborhood Revitalization

Economic Opportunities for Disadvantaged Populations

Connected Vehicles/Freight Delivery

Pedestrian/Intersection Crossing and Safety



Project Budget

Total	\$8,000,000
Federal Share - Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program	\$4,000,000
Non-Federal Share – City of Dallas/NCTCOG	\$4,000,000

ATCMTD Grant requires a 50% non-federal match.

City of Dallas – S. M. Wright Corridor

Technology Arterial Corridor

Traffic Signal Improvements and Connectivity

Transit Improvements – Smart Shelters

Bicycle and Pedestrian Improvement and Progression

Air Quality Sensors

Broadband Communications to Community

Work Zone Management

Sidewalk Delivery Freight

City of Dallas – S. M. Wright Corridor

New Data Sources

- Construction Zone Monitoring
- Bike and Pedestrian Detection
- Traffic Signal Data
- Vehicle-Based Video/Sensors

City of Dallas

- Data for Corridor

NCTCOG

- Data for Region

Transportation Solutions for Downtown Dallas

Vision for a Potential Path Forward



The Challenges in Downtown Dallas

Multiple large infrastructure projects being developed at the same time to address different transportation needs and goals

Multiple agencies and funding sources

Loss of \$800M in Core Capacity Funds



I-345 Feasibility Study

PROJECT DETAILS

Limits: I-345 Feasibility Study from I-30 to Spur 366/
Woodall Rodgers Freeway

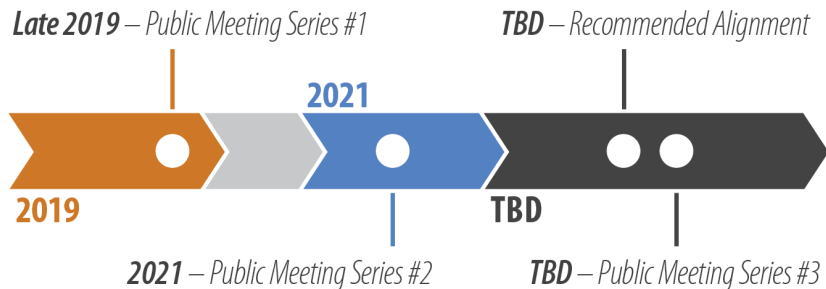
CSJ: 0092-14-094

Description: Feasibility Study

Project Let: TBD

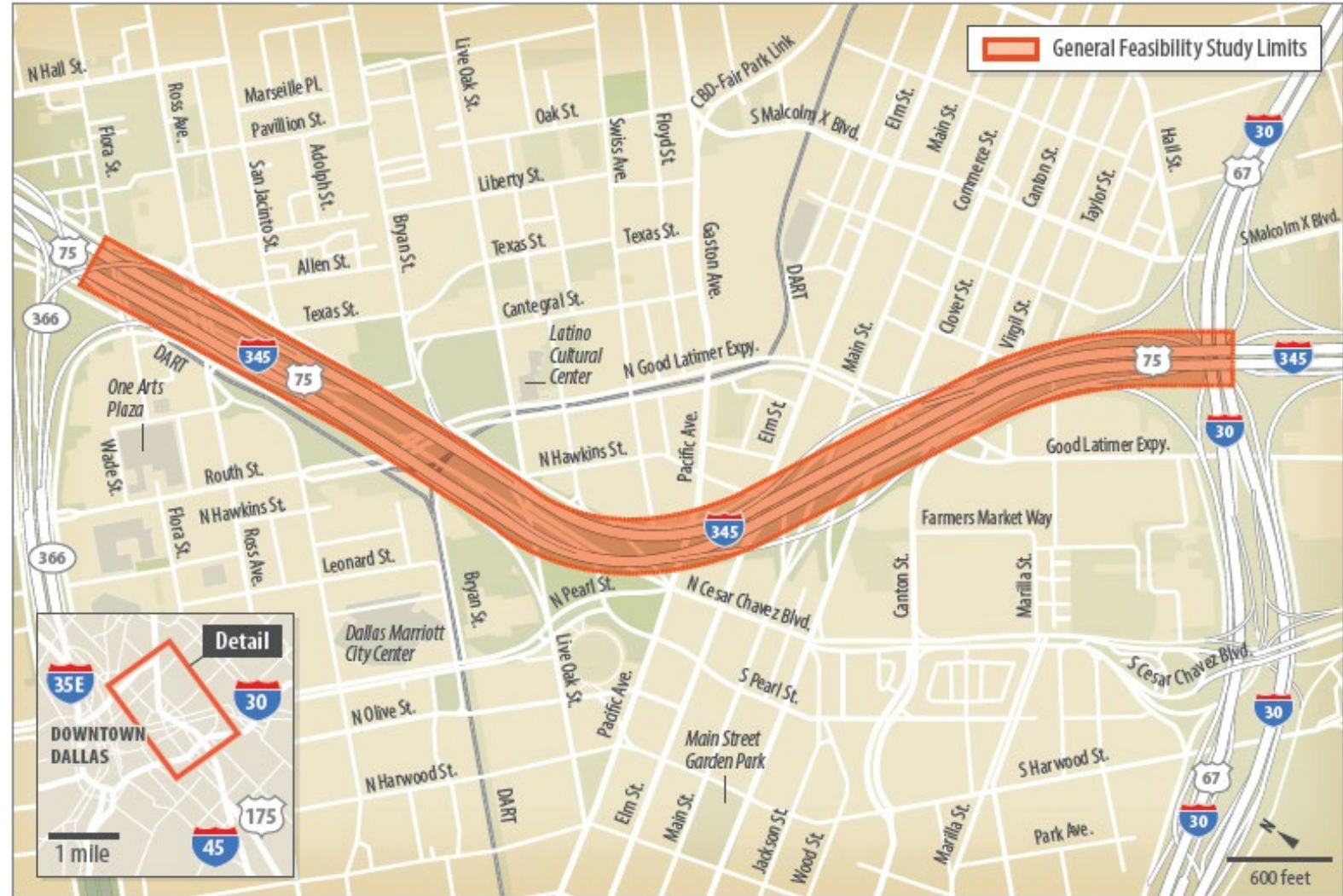
Total Length: Approximately 1.4 miles

PROJECT TIMELINE



Estimated Construction Cost: TBD

Funded Amount: TBD



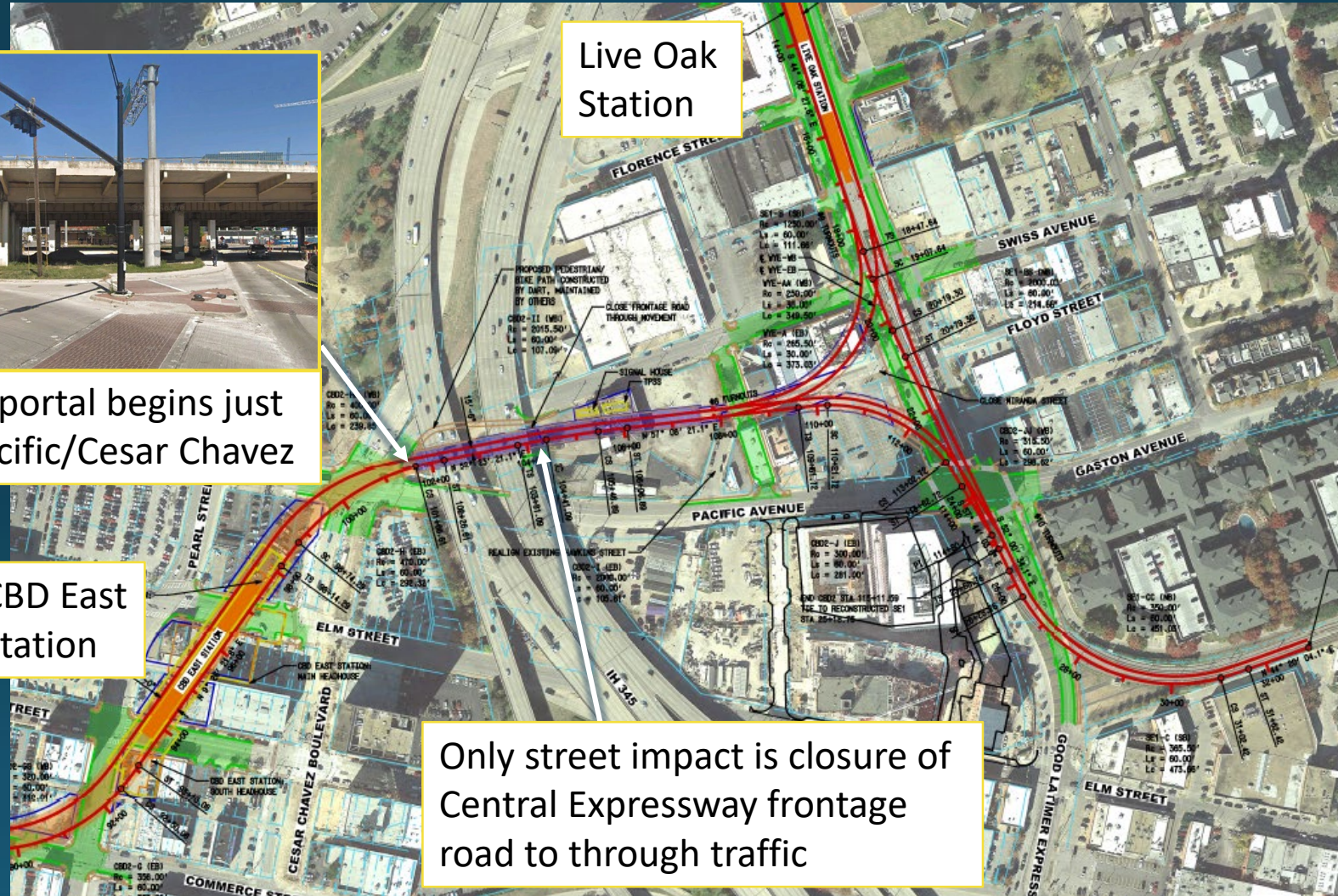
D2 Project



Tunnel portal begins just past Pacific/Cesar Chavez

CBD East Station

Live Oak Station



Only street impact is closure of Central Expressway frontage road to through traffic

Other Projects and Needs near Downtown Dallas

Dallas High-Speed Station

Deep Ellum transportation improvements

CBD Fair Park Link

Fair Park Development

Riverfront Boulevard

Cadiz Street Underpass

A New Vision...Holistic Approach to Design in Downtown Dallas

Goals:

- Minimize right-of-way needed, surplus parcels

- Reduce “throw away” construction/reconstruction of the same section of roadway

- Lessen disruption to properties, businesses and traffic during construction

- Modernize access to CBD and Deep Ellum

- Enhance city street grid system

- Integrate technology

- Leverage mitigation and opportunities for enhancements, land banking

Questions?