



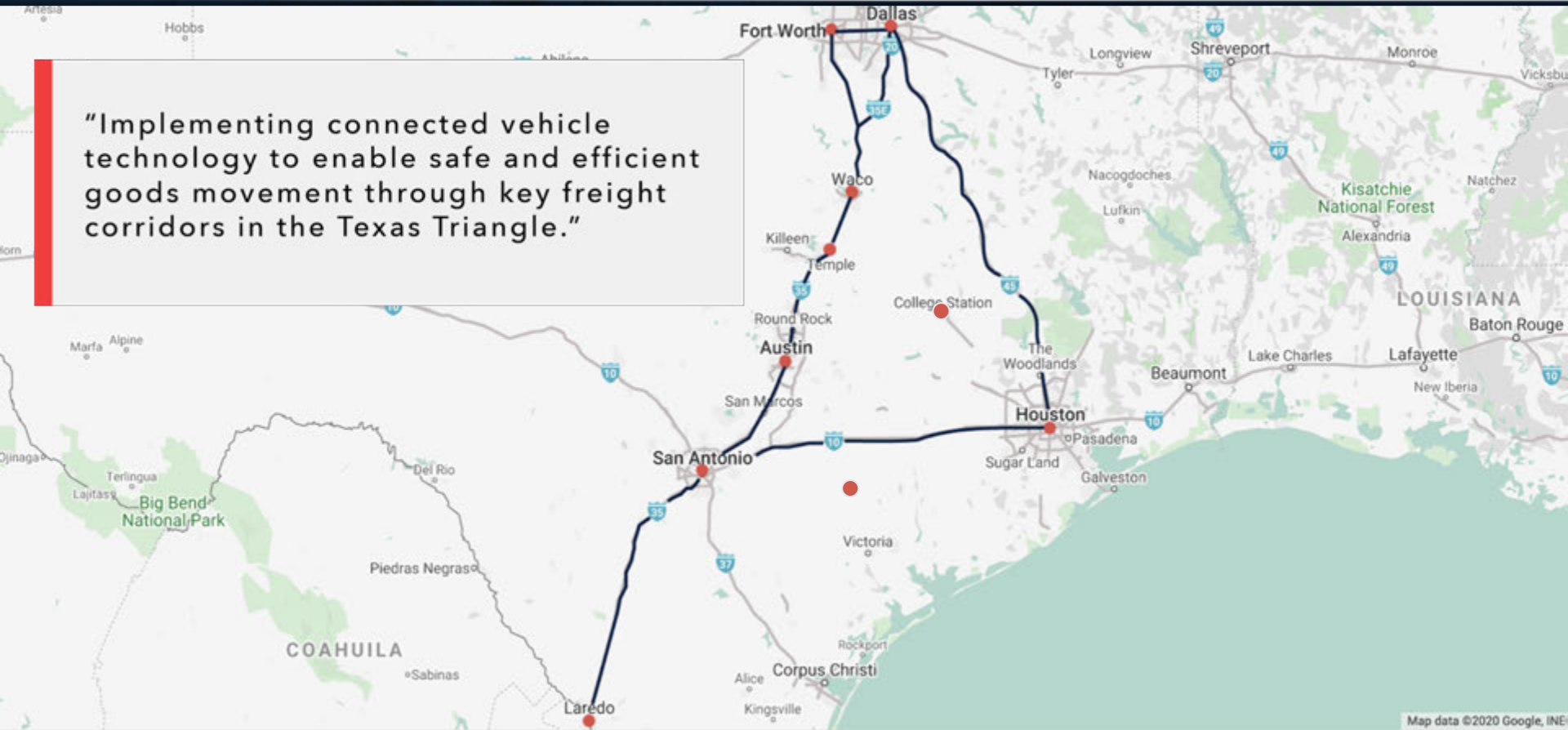
TEXAS CONNECTED FREIGHT CORRIDORS (TCFC)

CTR Symposium Breakout Session 2

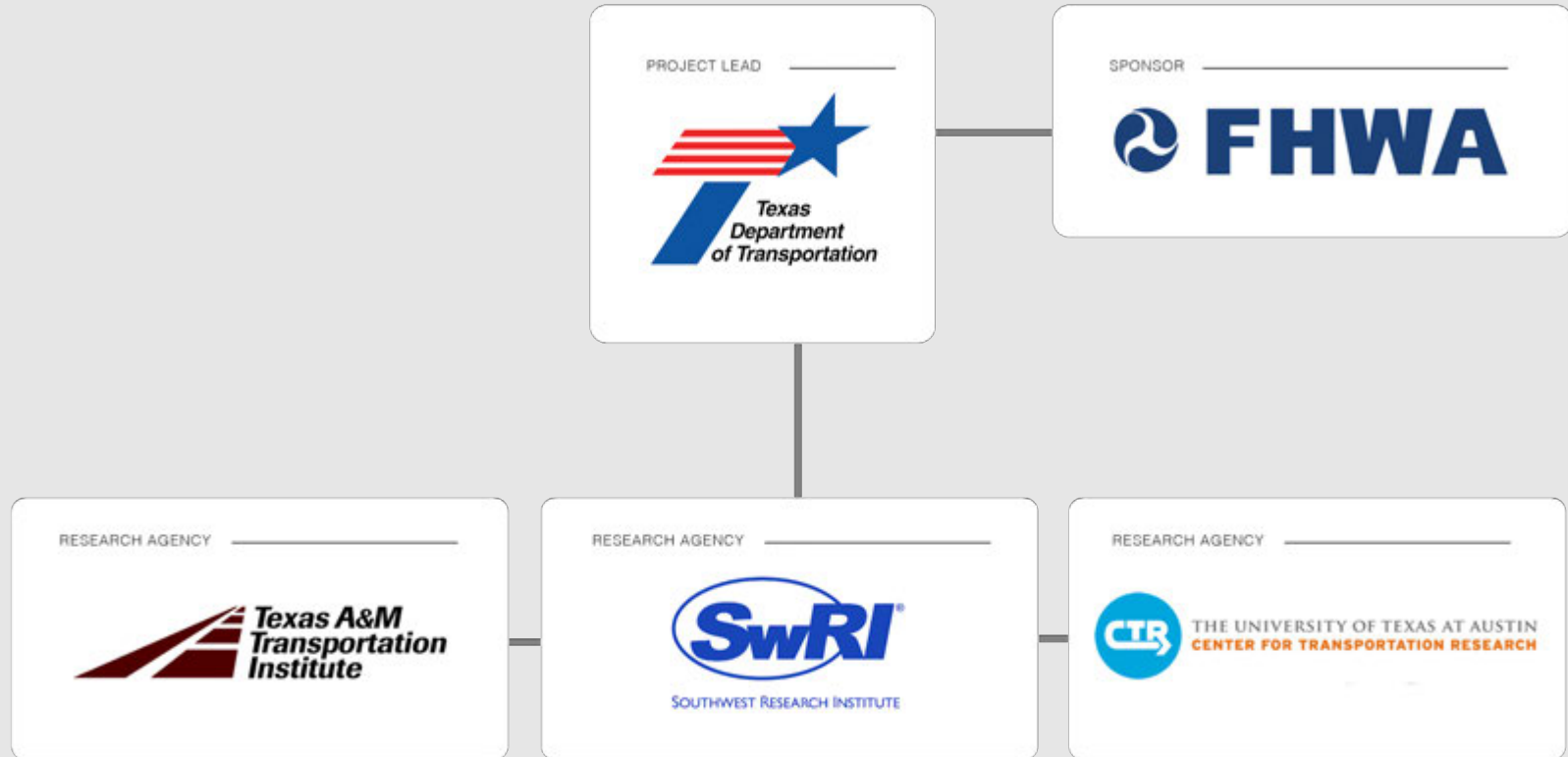
Transportation Tomorrow: Safety Technologies &
Open Research Questions

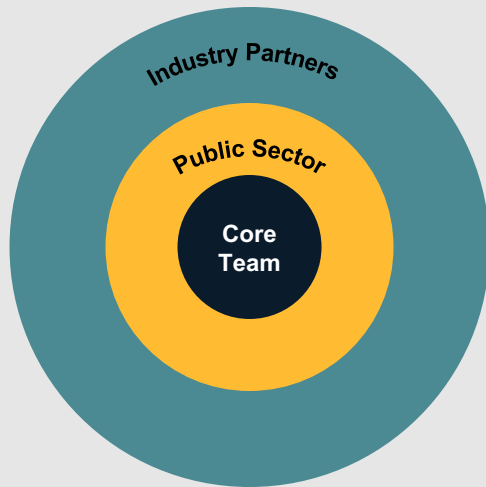
Vision

“Implementing connected vehicle technology to enable safe and efficient goods movement through key freight corridors in the Texas Triangle.”



Project Team





PUBLIC SECTOR

TxDOT Districts:

Austin, Bryan, Dallas, Fort Worth, Houston, Laredo, San Antonio, Waco, Yoakum

Regional Agencies:

North Central Texas Council of Governments, Houston TranStar, City of Austin, City of San Antonio, Department of Public Safety (DPS)



PRIVATE SECTOR

Retailers:

H-E-B, Coca-Cola, PepsiCo

Carriers:

Crete Carriers

CAV Trucking Companies:

Kodiak Robotics, TuSimple

Third-Party Data Services:

Drivewyze

Applications

TIERS

01

Work
Zone
Warning



Queue
Warning



Wrong-
Way
Drivers



Advanced
Traveler
Information
System (ATIS)



02

Freight
Signal
Priority



Road
Weather
Warning



Truck
Parking
Availability



Bridge
Height
Warning



03

Emergency
Electronic
Brake Light



Pedestrian
& Animal
Warning



Eco-
Dynamic
Routing



Border
Wait
Times



= Highlighted applications selected for development

Operation Example – Work Zone Warning



Cab View



TMC Operator



Operation Example – Work Zone Warning



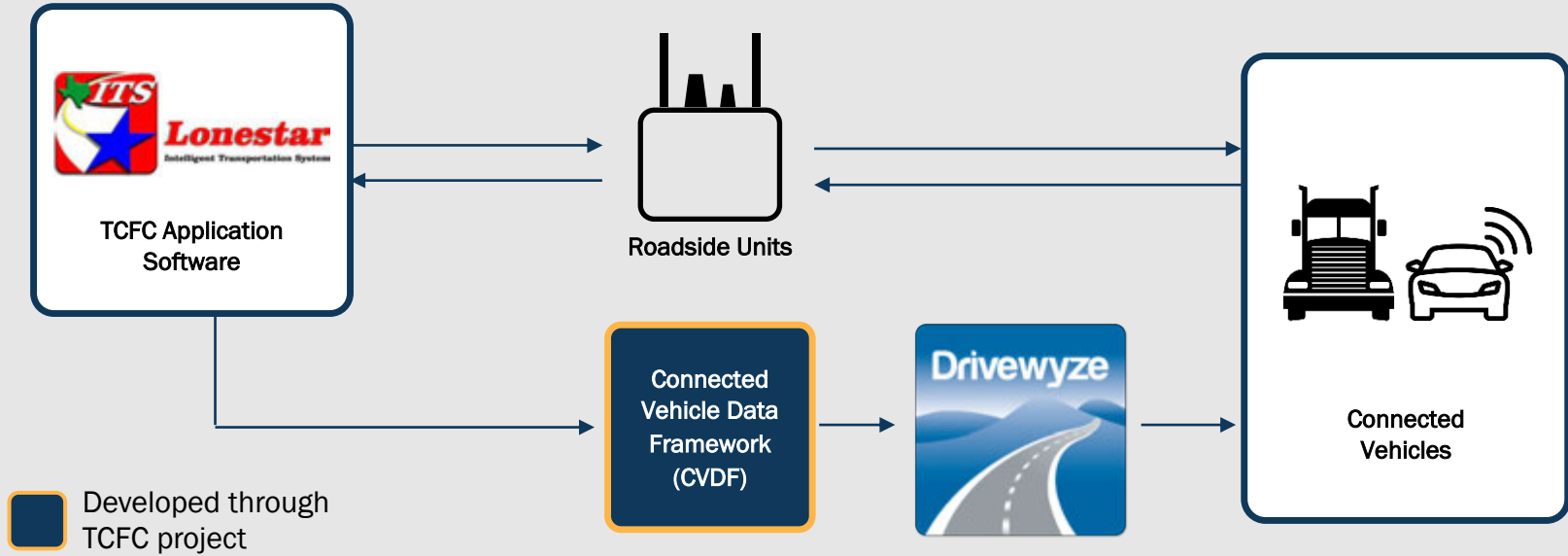
Cab View



TMC Operator



Third-Party Data Partnership



How can external partnerships be leveraged to make Texas roadways safer?