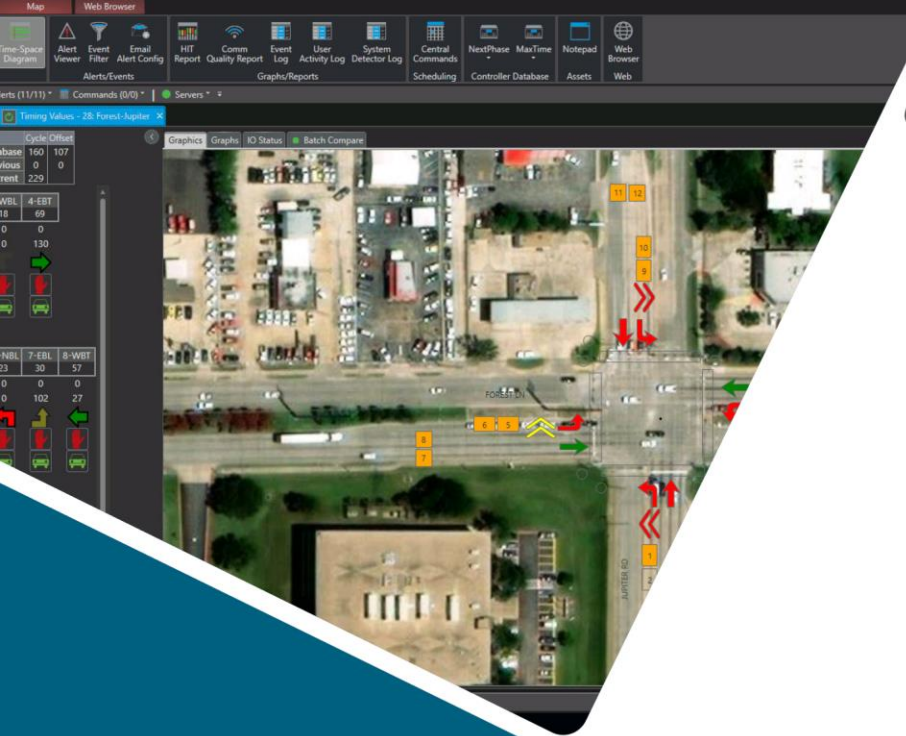




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# NCTCOG Freight Optimization System

»»KITS

A Kimley-Horn Software Solution

»»Kadence

A Kimley-Horn Software Solution

»»Traction

A Kimley-Horn Software Solution

- Tom Bamonte – Senior Program Manager, Transportation Technology & Innovation



## **North Central Texas Council of Governments**

# Freight Optimization System

- 500 Traffic Signals
- API processing capacity for 5,000 trucks simultaneously
- Implies regional truck fleets of 50,000++ trucks
- Up to 10 jurisdictions
- Freight Signal Priority
- EcoDrive app
- KPI dashboards

Kimley»Horn



TRAFFIC  
TECHNOLOGY  
SERVICES

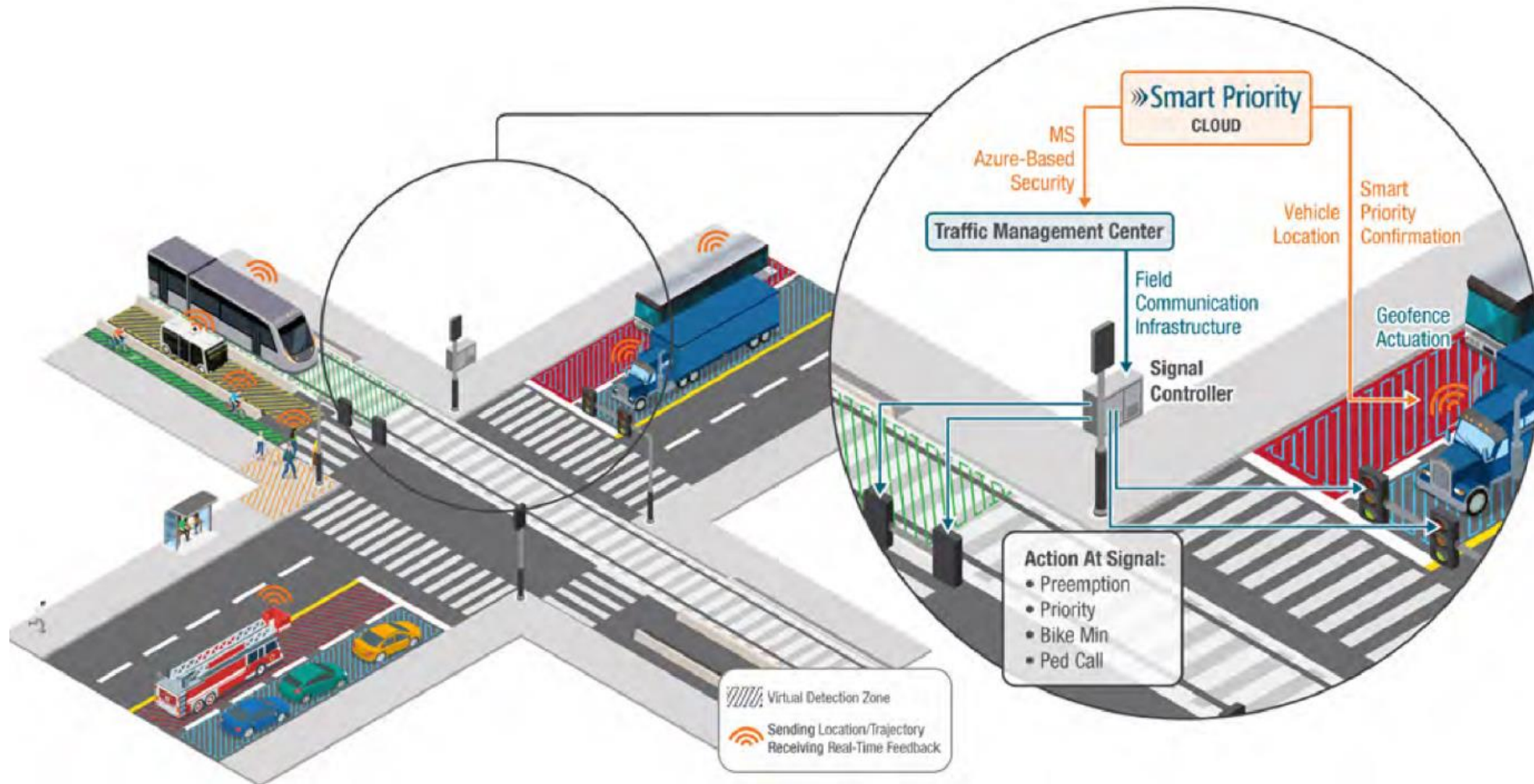


INNOCITY PARTNERS

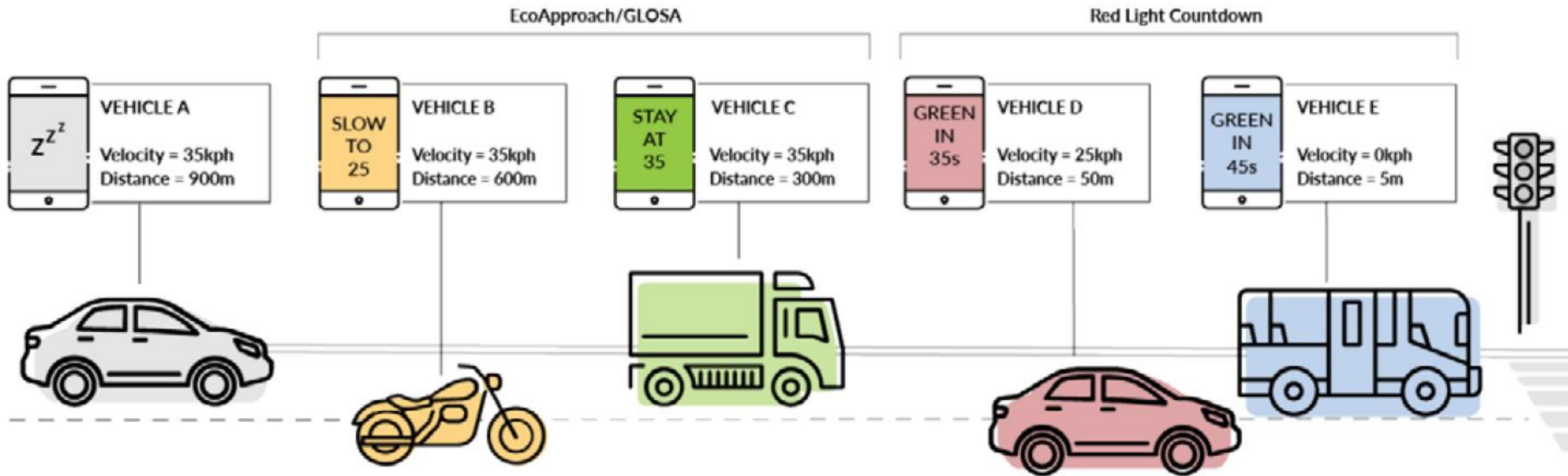


TECHNOLOGY FORUM

# HOW IT WORKS

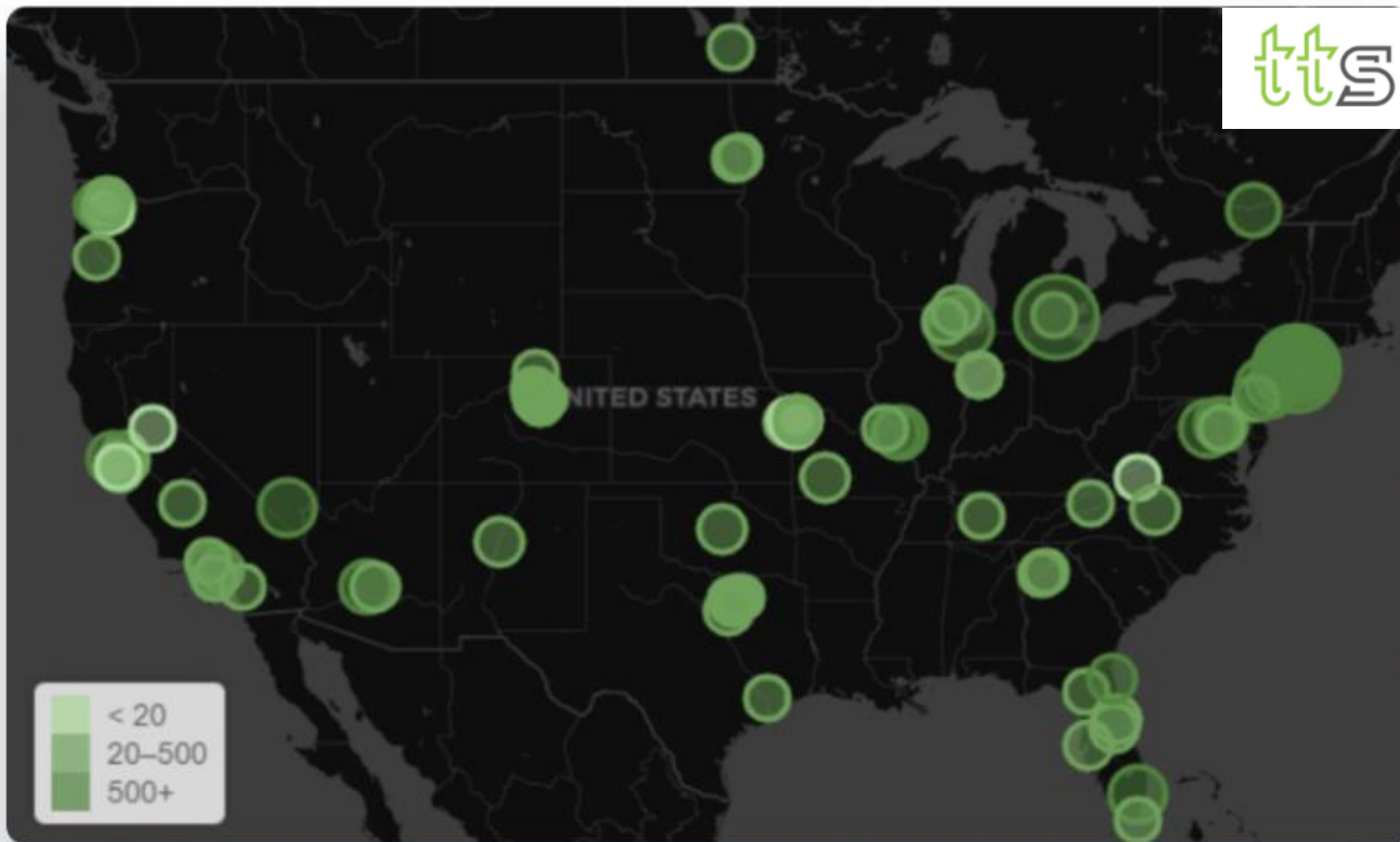


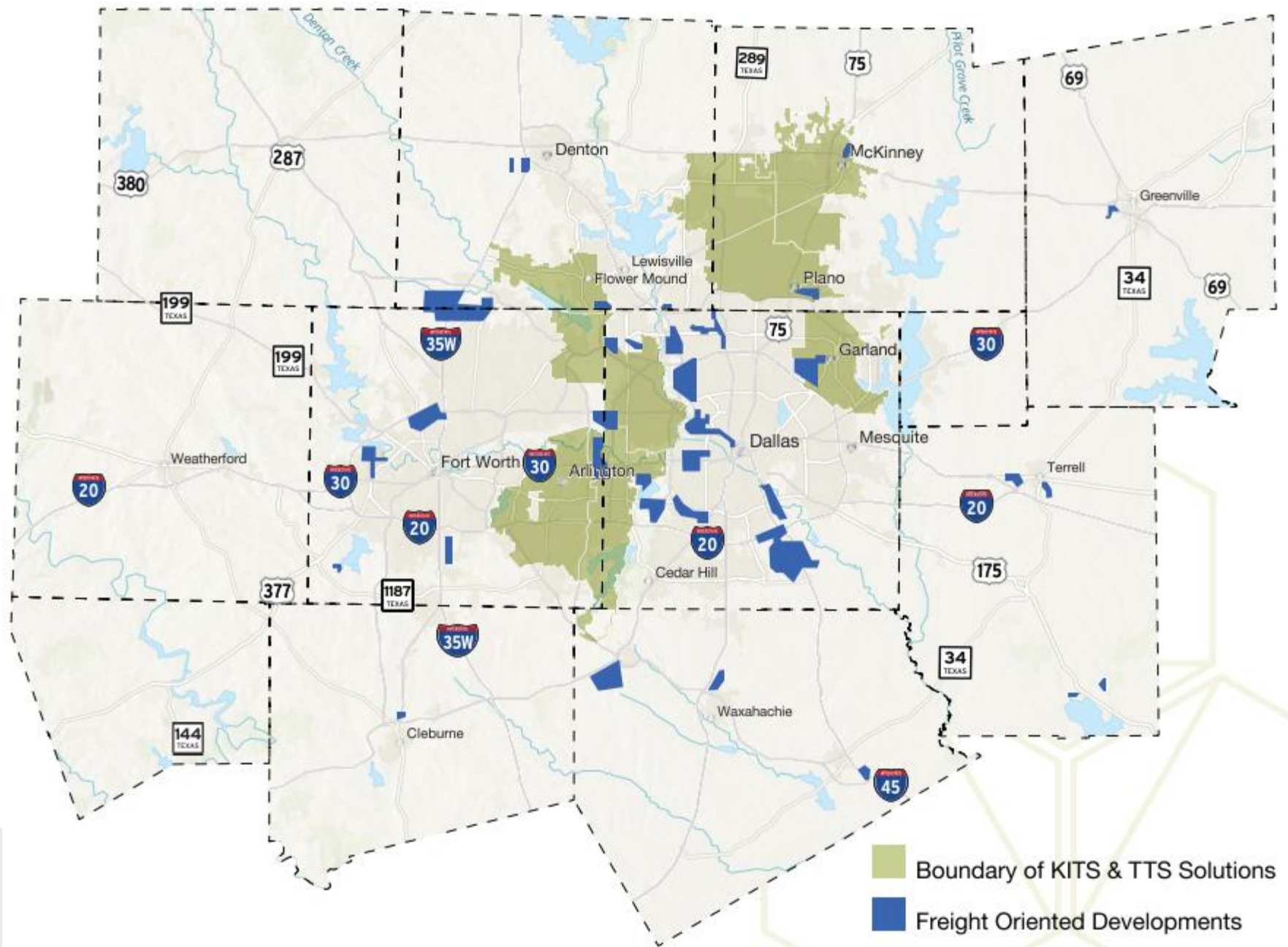
# EcoDrive





TRAFFIC  
TECHNOLOGY  
SERVICES







Currently Viewing

Signalized Intersections

Legend

- City Boundaries
- Initial Recommended NCTCOG Intersections
- Existing NCTCOG Intersections
- City Boundaries



Filter Comments



Add Comment

Add Comment



Add Line Comment

Clear

Freight route



Add Point Comment

Clear



Frequent Freight Left Turn



Freight Oriented Development (FOD) feature



Truck Issue



Recommended Signal

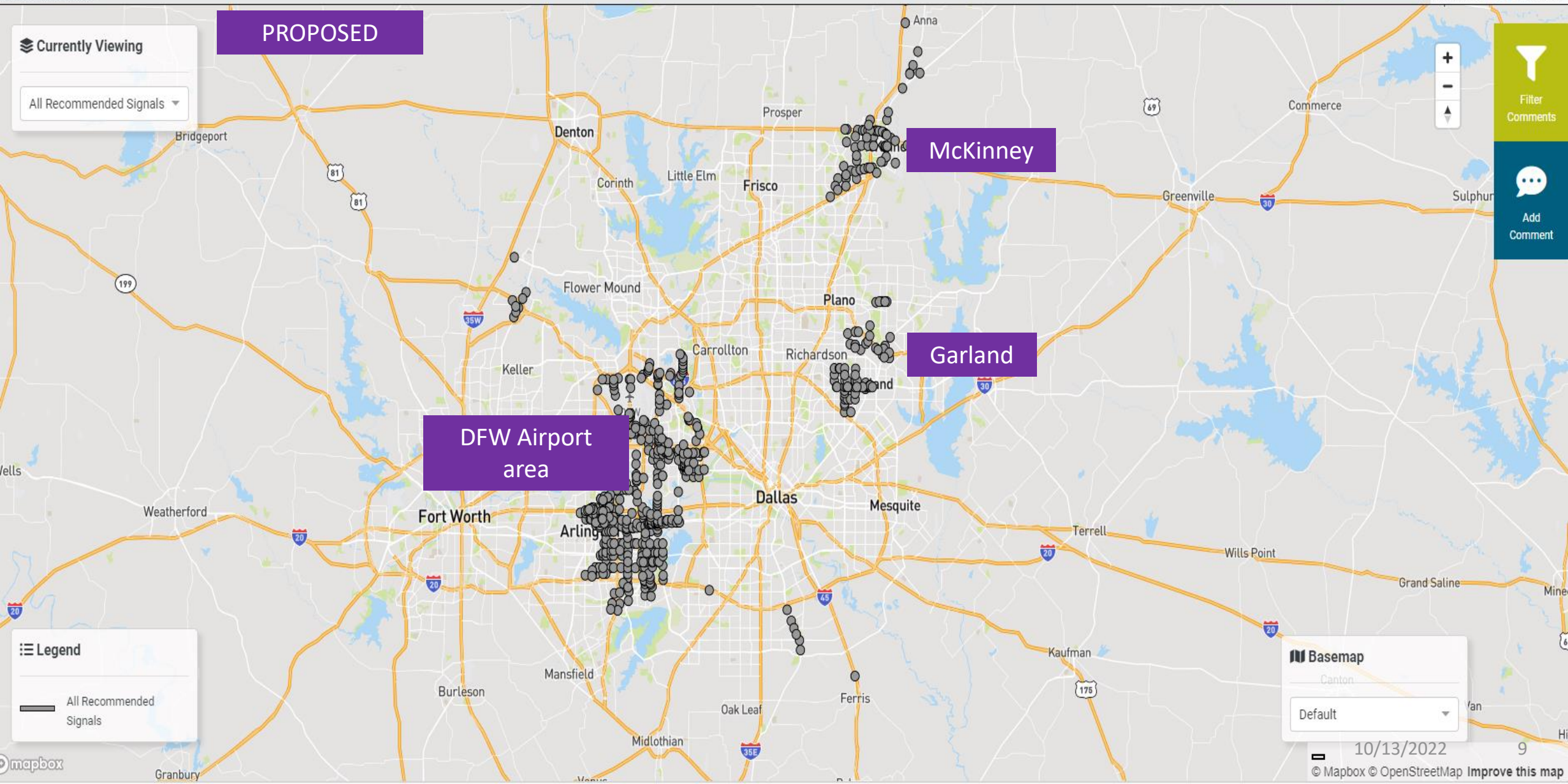


Freight Oriented Development



Basemap

Default



Currently Viewing

PROPOSED

All Recommended Signals

McKinney

Garland

DFW Airport  
area

Legend

All Recommended  
Signals

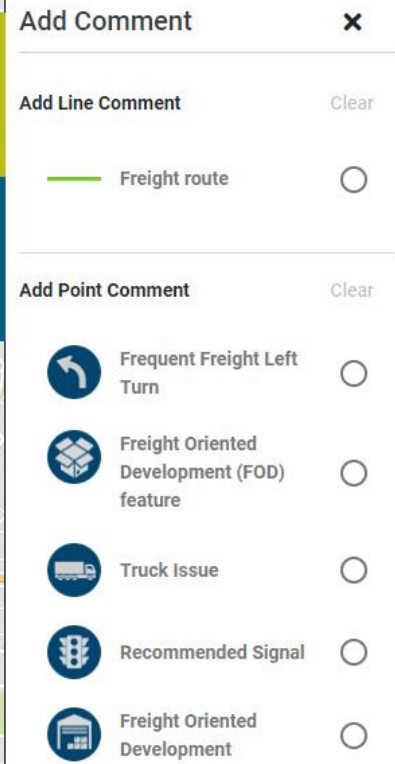
Basemap

Canton

Default

10/13/2022

9



# Project Status / Schedule

- Started in July 2022, ramping up...
- NOW: City participation outreach, IT coordination, freight outreach
- ~March 2023 – first signals & trucks online
- ~December 2023 – 500 signals and substantial truck fleets
- Operations through 2028
- Cumulative benefits to trucks (delay, travel time, fuel) expected to exceed project cost in 2-3 years
- [www.freightpriority.com](http://www.freightpriority.com)



Questions

