

WORKSHOP ON MODERN DAY “PEOPLE MOVER” AND ARLINGTON TRANSIT CONCEPTS RESULTING FROM HIGH-SPEED RAIL

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www.nctcog.org/trans/committees/rtc/previous.asp

BACKGROUND: START AGAIN

Connections

Renew Potential GM Pilot System/Test Track

Dallas Hospital District

East of Galleria (Midtown)

Las Colinas: Upgrade?

Dallas/Fort Worth International Airport Connections

Arlington: University of Texas Arlington, Downtown Arlington,
Entertainment District, and Beyond

Others

WHY START AGAIN?

Options

- Technology Advances Related to Driverless Vehicles

 - Driverless Vehicle in an Elevated Corridor

- Potential Opportunities to Move People and Goods

 - Innovative Funding Opportunities in Which Goods

 - Movement Pays a Significant Portion of the Investment

Considerations

- Who Will Build Structures, Who Will Operate Facilities, Private Sector?

- Single Technology Specifications for Region/Industrial Construction

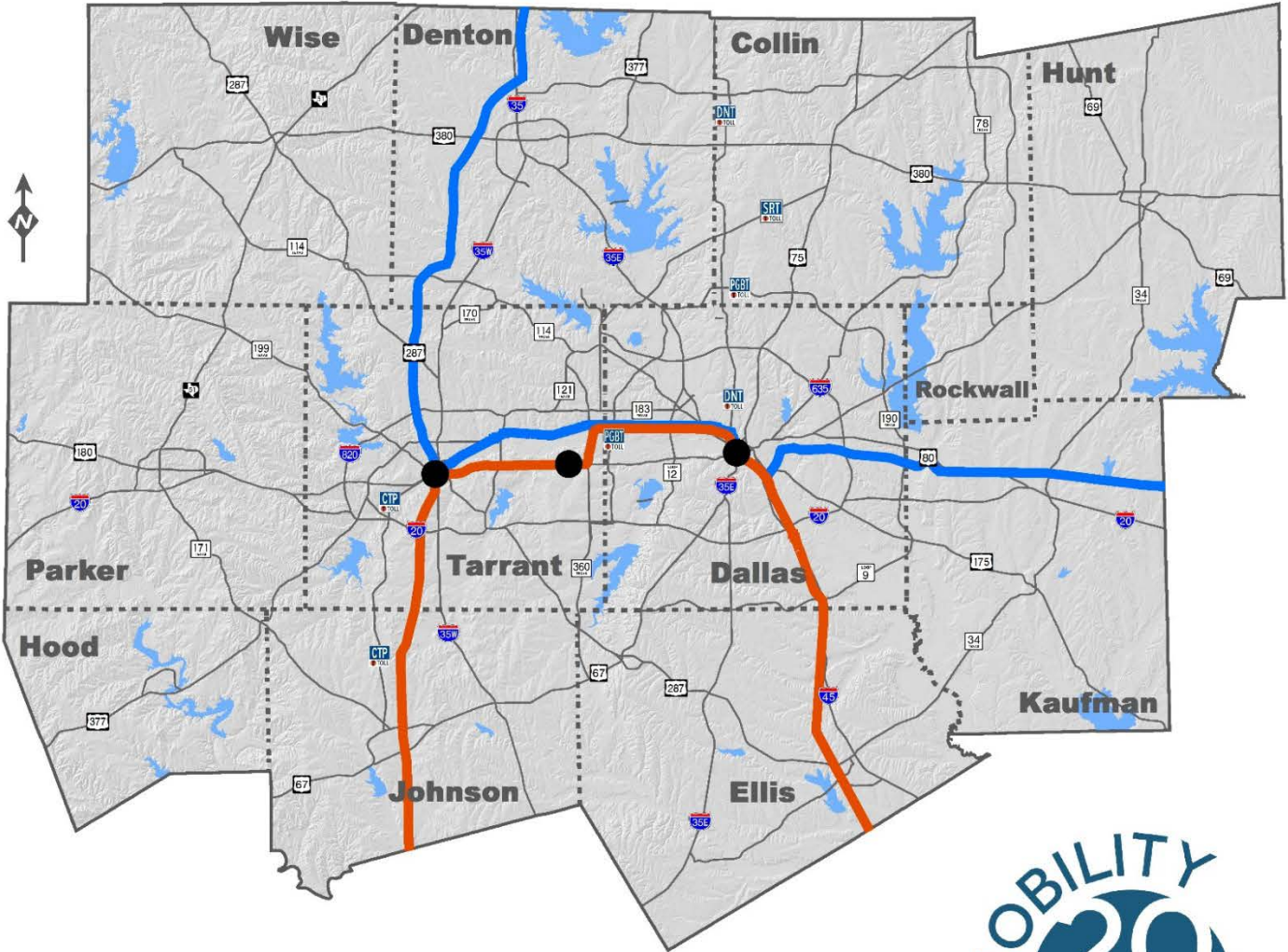
- Solve for Engineering Cost Optimization

- Other Market Opportunities

- Phased Implementation

DFW High-Speed Rail Projects

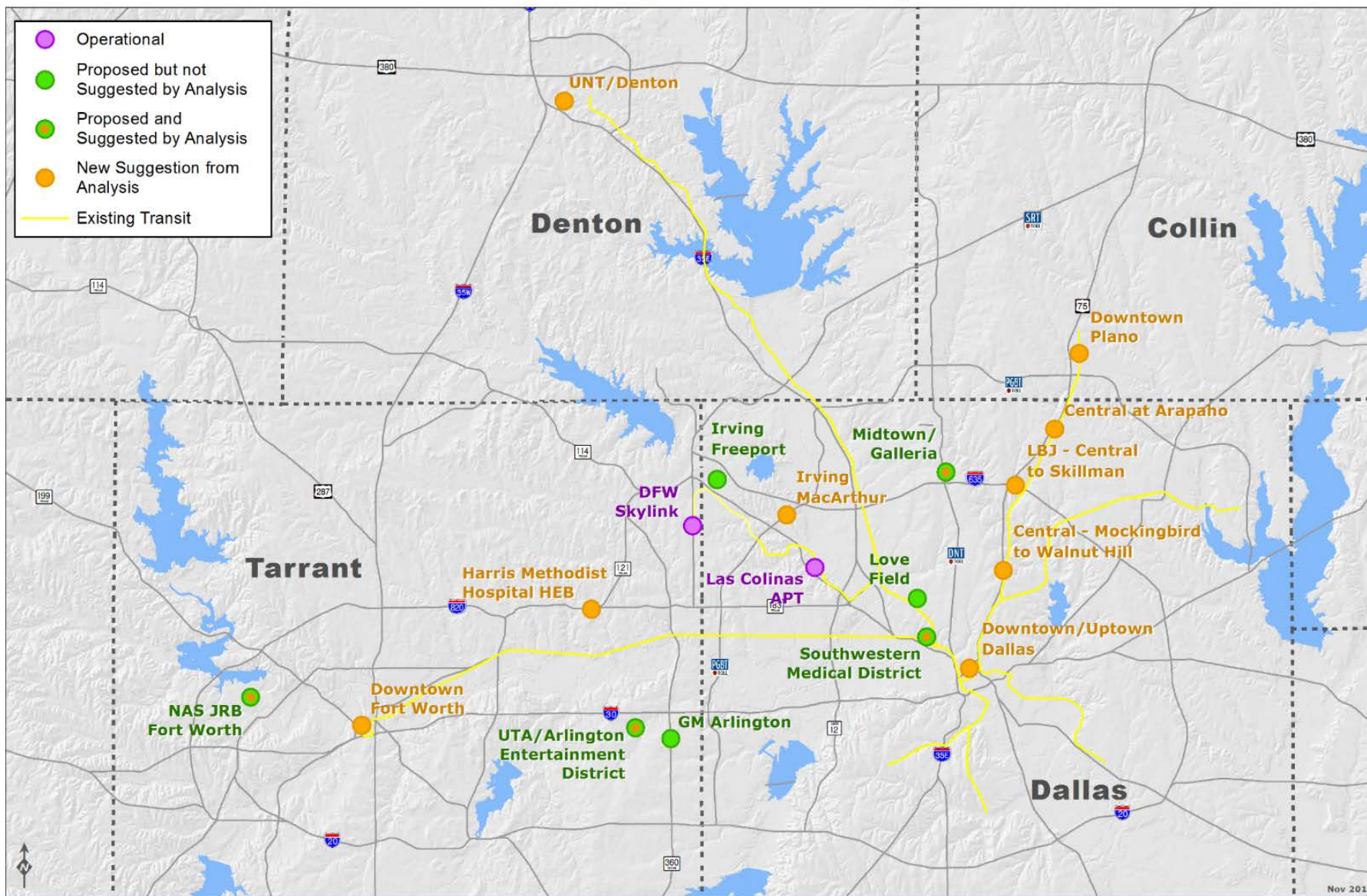
- At Grade
- Grade Separated
- Station Locations
- Major Roadways



Corridor-specific alignment, design, and operational characteristics for the intercity passenger, regional passenger, and freight rail systems will be determined through capacity evaluation and ongoing project development. Refined rail forecasts are necessary to determine technology and alignment in future rail corridors.



Candidate People Mover Systems



TRADITIONAL PEOPLE MOVERS

Fixed, Closed Guideways

Limited to One Vehicle Type per System

Difficult to Scale

Few Deployments Outside of Airports/Entertainment Districts

People Only

Can Be Expensive

Can Have Slow Traveling Vehicles

WHAT IS NEW?

Everything

Driverless

Battery

Includes Goods Movement

Engineering Construction Optimization and Construction

Multiple Funders

Not People Movers

Collection-Line Haul-Distribution Operation

AUTOMATED VEHICLE FREIGHT/PEOPLE MOVER

Carries Both Freight and People

Accommodates Multiple Vehicle Types?

Dedicated ROW Good Early Deployment Environment
for Automated Vehicles

Existing Streets Become Collectors

As Automated Vehicle Technology Matures, Collector
System Grows

Lower Cost

AUTOMATED VEHICLE OPTIONS: MOVING FREIGHT



Automated Delivery
of Pods

WHO

All of Us or Go Alone?

WHAT

Whole Elephant...For Now?

Come Back Next Month With Approval
to Seek RFI

WHEN

Now:

Early Deployment
and

More Planning for Next Mobility Plan

WHERE

Grass Roots Identification

WHY

Economies of Scale

Outside Revenue

Advance “Last Mile”

Advance “Joint Use” Corridors

We Can Lead the Way...Again

HOW

Working Together

Not All Corridors Need Goods
Movement Options