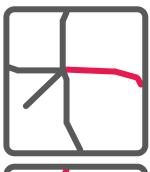


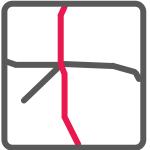


Agenda



East Corridor Updates

Findings Recap LPA Recommendation



North/South Corridor Updates

Corridor Update LPA Recommendation



Project Updates

LPA Engagement Campaign Next Steps

Transit System Plan Goals & Objectives

Mobility & Connectivity

Objective:

Increase regional transportation choices by connecting activity centers with high-capacity transit that is fast and reliable.









Equity & Accessibility

Objective:

Implement a safe and accessible system for all people that creates a community with options.







Land Use & Economic Development

Objective:

Develop a transit system that inspires economic development to promote growth in the region and national competitiveness.







Sustainability & Viability

Objective:

Provide a costeffective and sustainable system that invests resources responsibly.









Alternative Analysis (AA) Process





DISCOVER

- Define all reasonable alternatives
- Screen against goals & objectives

Many Options



REFINE

- Advance remaining alternatives
- Perform detailed technical analysis

Fewer Options

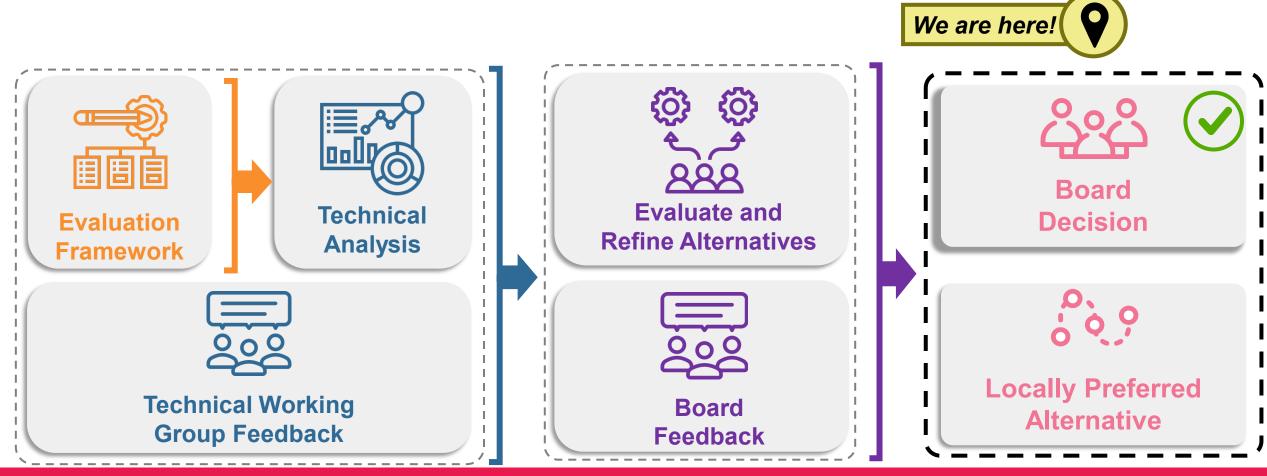
1 LPA per corridor

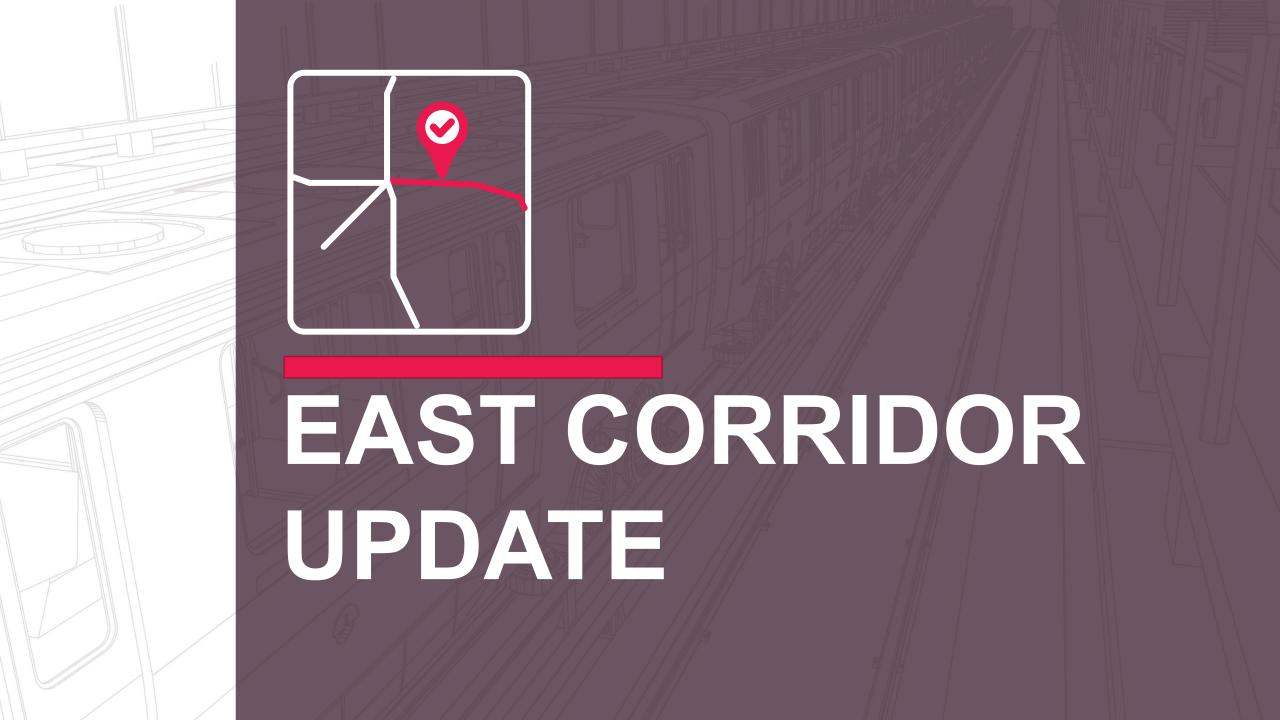


Regional Transportation Authority of Central Oklahoma



Refine and Select Phase Process





Key Findings: Reno-Eastern



Reno-Eastern



Serves a diverse population



Provides access to large planned developments

- Chickasaw Nation Development
- Development pressure from Bricktown moving east

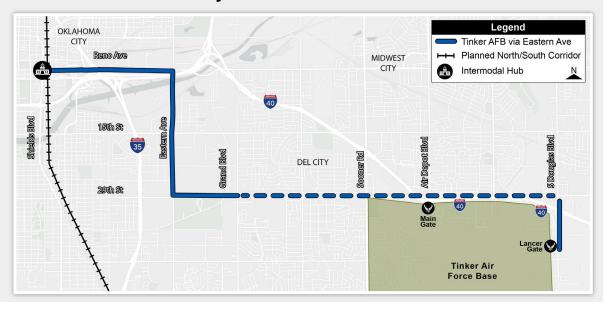


Room for growth - large future market potential



High capacity for TOD

- Large vacant parcels available for development
- Underutilized industrial land adjacent to corridor



Key Findings: Shields-29th



Shields-29th



Serves existing transit markets

Slightly higher ridership projections



Potential overlap with MAPS 4 BRT Project



Challenges to TOD

- Smaller parcels discourage vertical development
- Fragmented ownership
- Fewer catalytic sites



Mix of existing land uses

 Residential, commercial, and light industrial





Alignment Comparison

Reno-Eastern



Access to planned developments



High capacity for TOD



Room for growth - large future market potential

Shields-29th



Serves existing transit markets



Challenges to TOD



Potential overlap with MAPS 4

Modal Considerations



Mixed Traffic BRT



Less than 50% Dedicated ROW



Center-Running Dedicated Guideway BRT LRT



More than 50% Dedicated ROW





100% Dedicated ROW



Key Findings: Light Rail



Low Ridership

 Existing and future ridership market would be below peers



Cost

 Light rail presents significantly higher cost



Lack of Available ROW

 Midwest and Del City right of ways present challenges to construction of LRT



Recommendation:

Proceed with BRT alternatives













What is a Locally Preferred Alternative?

Community's preferred mode and alignment that meets identified goals and objectives

LPA identifies:

- Feasible alignment
- Mode
- ✓ Planning level information (i.e., cost and ridership estimates)

LPA does not:

- Result in a fully designed system
- Preclude modifications to alignments, modes, and stations

East Corridor LPA Recommendation







Recommended Alternative

Mode: Bus Rapid Transit

Alignment: Santa Fe Depot with Lancer Gate via Reno Avenue,

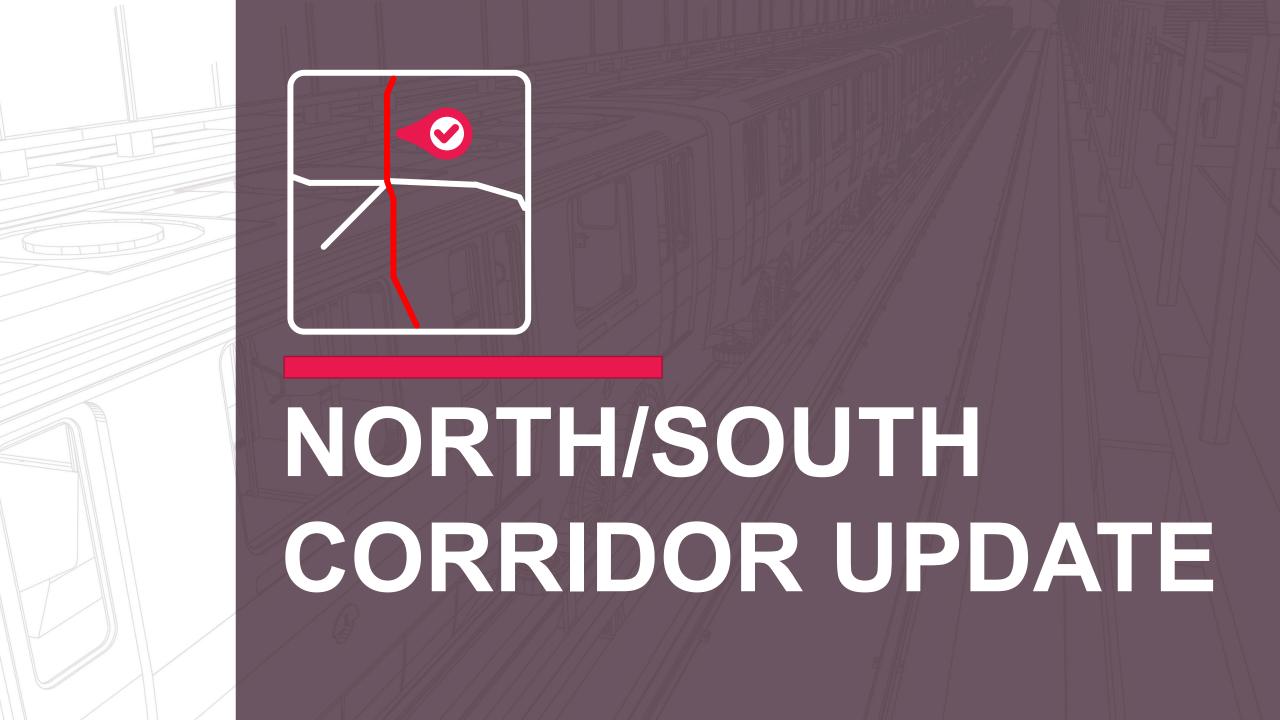
Eastern Avenue, 29th Street, and Douglas Boulevard



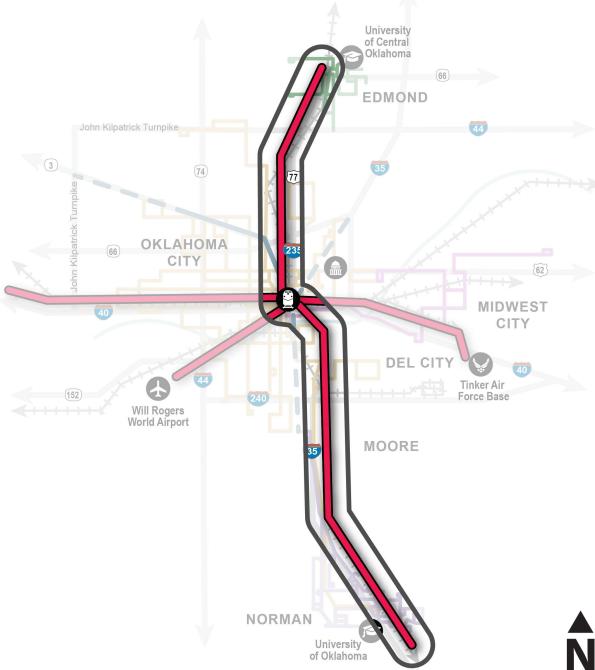
Next Steps

Refine Assumptions for Guideway and Operating Plan





LEGEND Potential Regional Transit Corridor Initiatives by Others (Under Design) Initiatives by Others (Under Study) **Edmond Existing** Fixed-Route Bus System **OKC** Existing Fixed-Route Bus System Midwest City Existing Fixed-Route Bus System Norman Existing Fixed-Route Bus System Major Roads **Existing Railroad** Oklahoma River





North/South Corridor

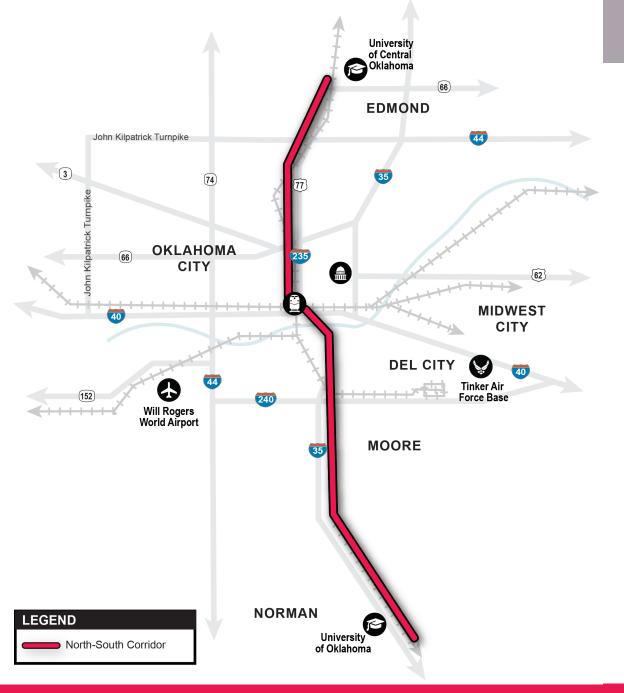
- Identified in previous study
- Significant analysis completed previously
- Previous analysis still applicable



Leverage past study conclusions Advance to service and operations analysis







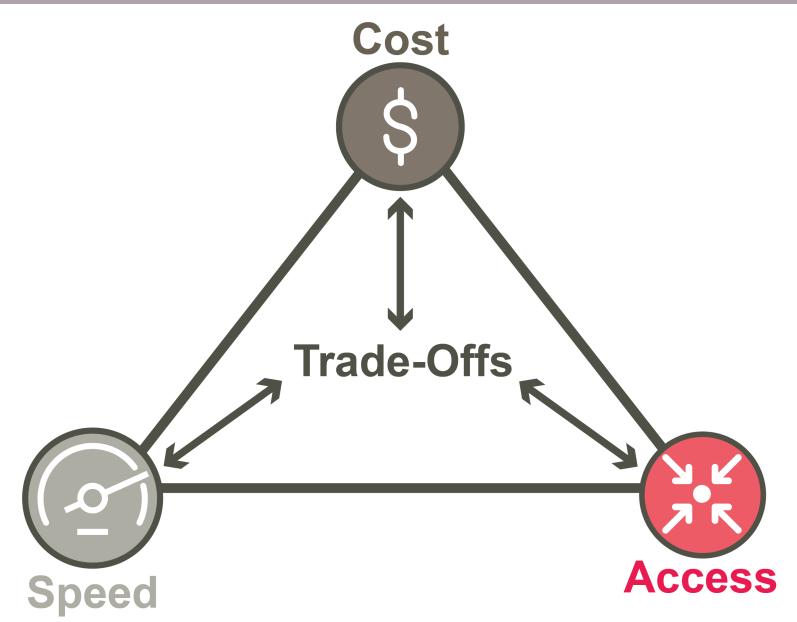
What is being studied?



Commuter Rail Service & Operations

Service Planning Tradeoffs





Where does ridership come from?



Traditional 9-5 Commuters:

- Downtown oriented
- Peak direction oriented

- Peak hours (5am-9am & 3pm-7pm)
- Weekday



All Day Travelers:

- Many origins & destinations
- Bi-directional service

- Frequent all day service for flexible travel
- Weekdays & weekends

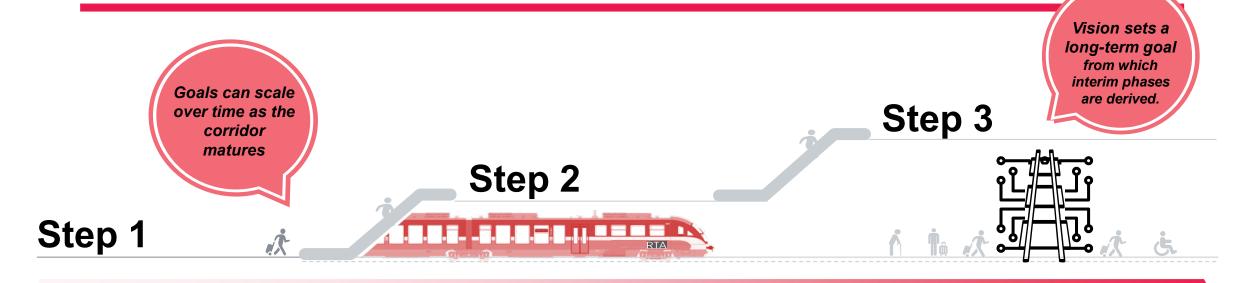


Special Event Attendees:

- To and from major stadiums, arenas, venues
- Pre- and post-event travel
- Evenings and weekends



The RTA Board determines the *strategic policy goals* and vision for rail service in the corridor



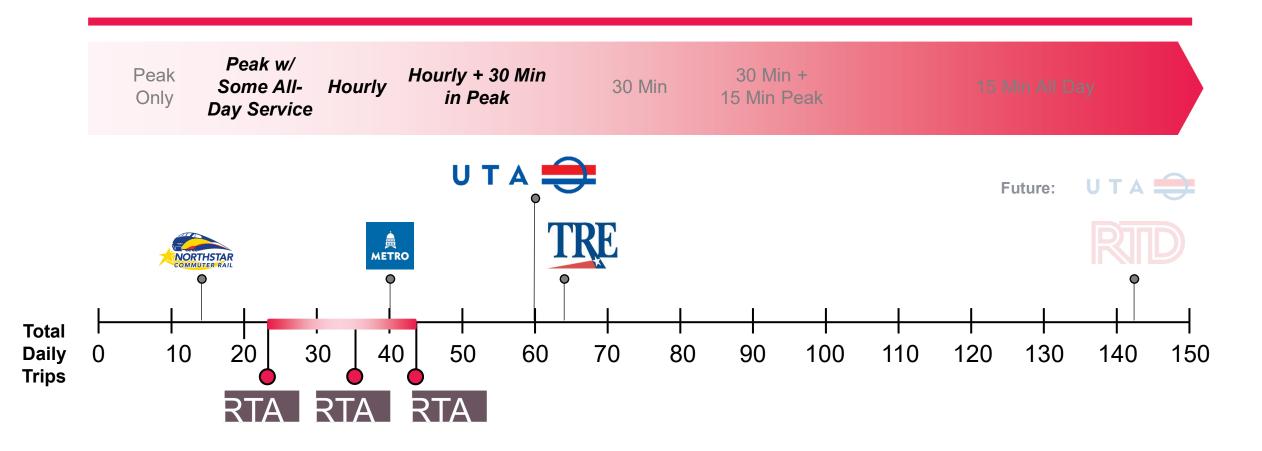
Grow interest in rail

Mode of Choice in Corridor

Fully Integrated Network



RTA Vision for Service



Preparing for Service





Negotiate BNSF Access Agreements and Fees



Station Selection and Development



Develop Capital Infrastructure Program based on BNSF RTC Modeling



Timetable Development



Equipment Maintenance Plan



Service Initiation



Fare Structure/
Customer's Payment



Governance structure to oversee operations

Plan for Vision with Ability to Scale Over Time



What Can the RTA Influence?



Outside RTA's Sphere of Influence

This is the context in which you operate



Population



Population Density



Weekday Addressable Market



Rail Corridor Mileage



Highway Congestion



▶¶**→** Within RTA's Sphere of Influence

These are the levers you can control



Average fares



Service Type: Frequency and Pattern



Travel Time (Competitiveness with auto)



Metro Area Transit Mode Share



Special attractions / Major Events



Influence Transit Oriented Development Policy

Cost Estimating Components

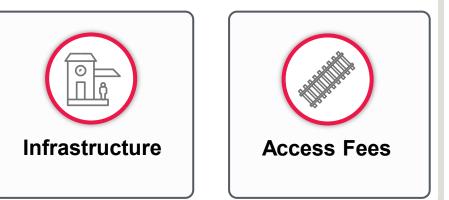


CAPITAL COSTS, FINANCING, AND FEES

OPERATIONS AND MAINTENANCE COSTS

















RTA

- North Edmond Station
- **Downtown Edmond Station**
- John Kilpatrick Turnpike Station
 - 63rd Street Station
 - North OKC Station
 - Santa Fe Depot
 - 29th Street Station

- Tecumseh Road Station
- **Downtown Norman Station**
 - **OU Special Event Station**
 - South Norman Station
 - Regional Collector Station
 - Community Station

Stations

- Identified 11 stations (including 1 special event only)
- Station facility elements include:
 - Platforms
 - Bus loops
 - Parking
 - Development potential



Station Typology



Regional Collector Station:

- Access priority for personal vehicles
- Located with 2 miles of significant residential development and/or adjacent to a major roadway corridor
- Substantial Park & Ride lot
- EV charging, vanpool, and Kiss & Ride amenities
- Larger station footprint



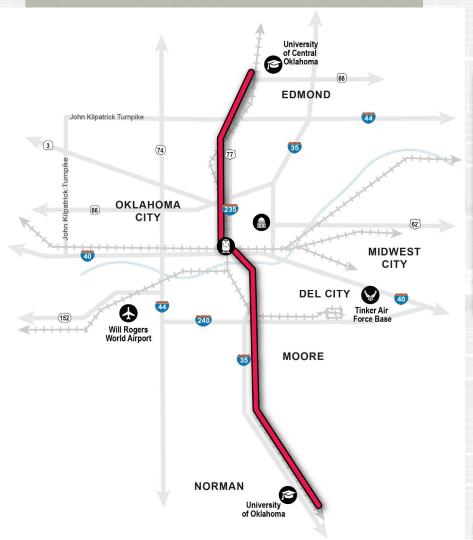
Community Station:

- Access priority for bikes and pedestrians
- Located within walking distance of transit supportive land uses
- Limited/no Park & Ride lot
- Bus transfer facilities
- Smaller station footprint



North/South Corridor LPA Recommendation









Recommended Alternative

Mode: Commuter Rail

Alignment: Santa Fe Depot with North Edmond and South

Norman via the BNSF Corridor



Next Steps

Continued Coordination with BNSF on Infrastructure Investment Package





By the Numbers





In-Person Community Engagement

580
Total Engagements

Total Engagements

Total Engagements



92

Survey Responses

September 2022

June 2022

Virtual Town Hall Engagement



242

Live Zoom Participants



50

Social Media Posts



976

Facebook Live Views



35

Town Hall Views at RTAMoves.com*



Online Engagement at RTAMoves.com



6,619

Total Visits



1,685

Unique Users

*Town Hall recording posted only for June meeting

Key Takeaways



Community partners (Tinker AFB, Norman, Edmond, OKC) are excited about regional transit solutions



Professors and students at universities are interested in more educational outreach efforts



Growth and change in Central Oklahoma is driving interest in regional transportation



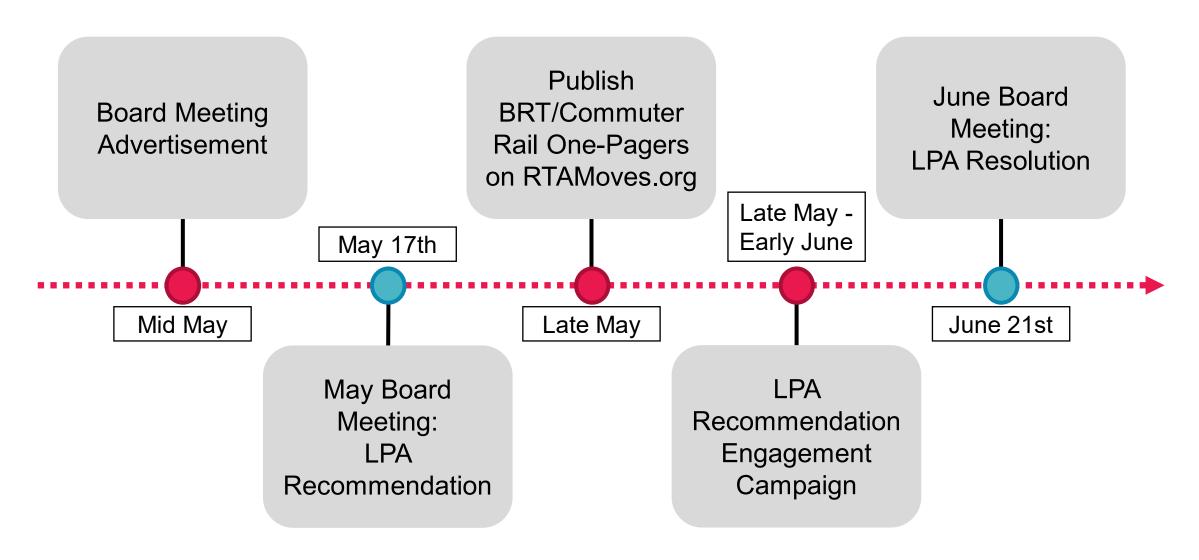
Park-and-ride facilities and real-time passenger information most preferred amenities among respondents





Virtual Engagement Timeline







Work Plan





May 2023



DISCUSSION OF LOCALLY PREFERRED ALTERNATIVES
RECOMMENDATION FOR NORTH/SOUTH AND EAST CORRIDORS

June 2023



BOARD RESOLUTION OF LOCALLY PREFERRED ALTERNATIVES FOR NORTH/SOUTH AND EAST CORRIDORS

July 2023



COMMENCE TASK ORDER 4

EAST CORRIDOR

DETERMINE GUIDEWAY CONFIGURATION AND OPERATING PLAN

NORTH/SOUTH CORRIDOR

CONTINUED COORDINATION WITH BNSF

