RAPID

NORTHWEST BRT PRESENTATION - MARCH







Agenda

- System Summary
- 2. Station Rendering
- 3. Heat Maps
- 4. Transit Signal Priority
- 5. Route
- Station Review
- 7. Budget
- 8. Schedule

System Summary



Technology

Transit Signal
Priority / Real Time
Arrival Signs



Lanes

Mixed Traffic /
Dedicated
Pull off lanes



Frequency

12 minutes/ 20 minutes





Vehicles 40' low/no

emission



Platforms

Enhanced
Platforms with
Added Amenities



Corridor

9.5 miles (one-way), 30+ stops, 1 Park and Ride

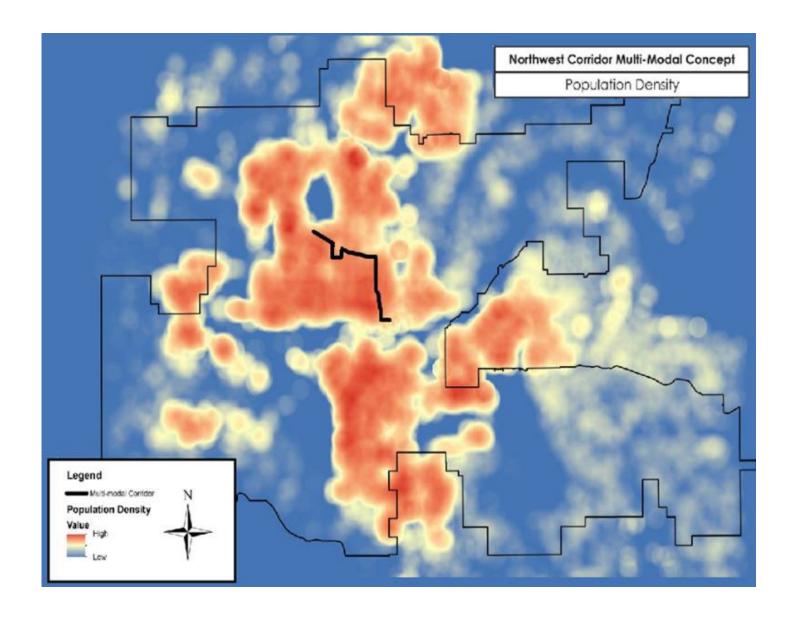






HEAT MAP

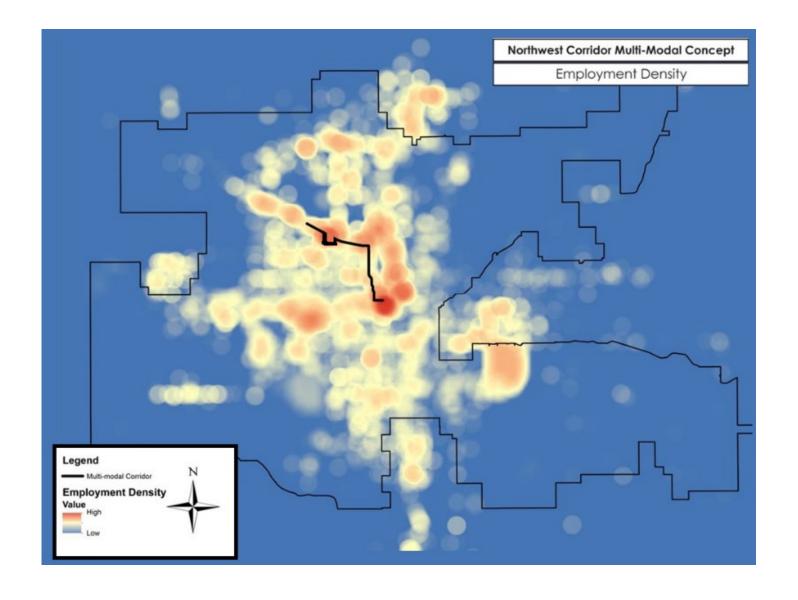
POPULATION DENSITY ALONG ROUTE





HEAT MAP

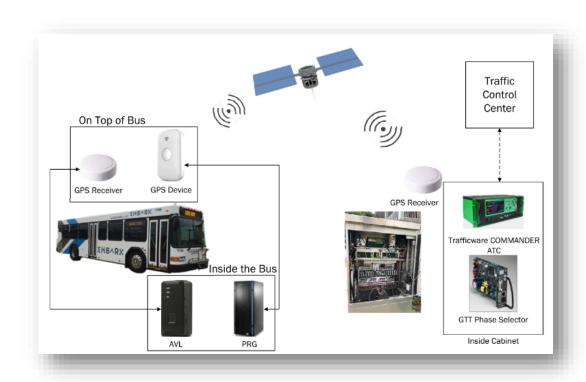
EMPLOYMENT DENSITY ALONG ROUTE



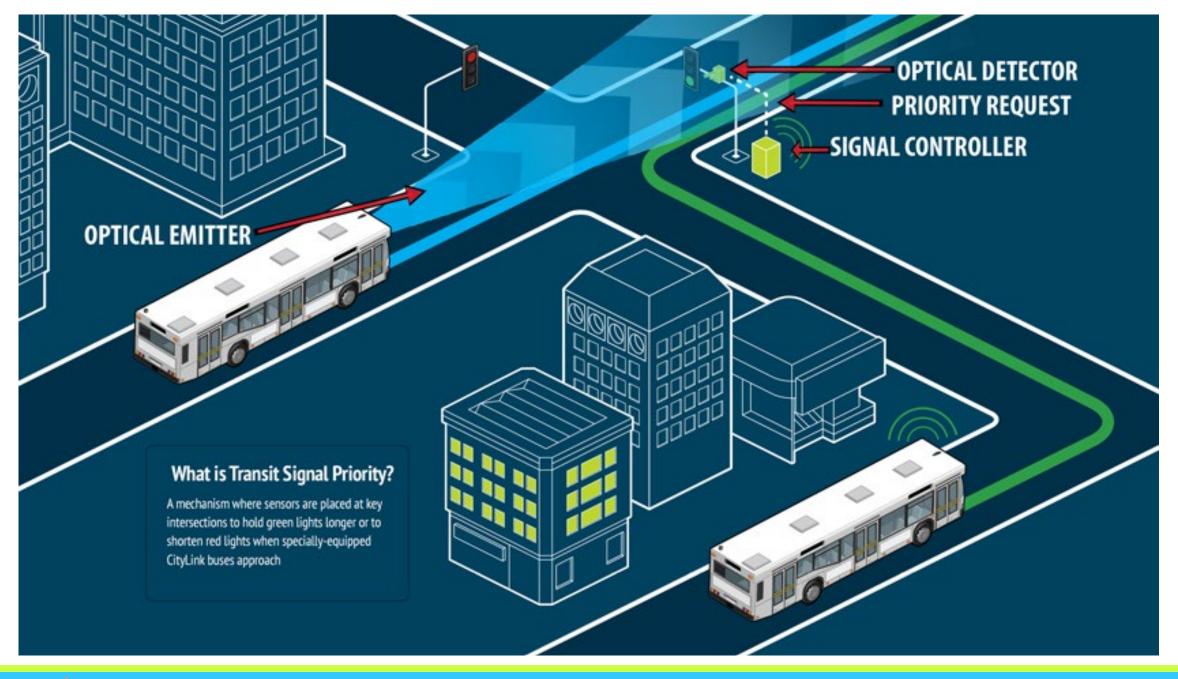


Transit Signal Priority

- >TSP Goals:
 - Reduction of round-trip travel time to reduce operations cost
 - Reduce excessive transit delay at congested intersections
 - Improve travel time reliability (schedule adherence and headway management)
- Centralized TSP System that will integrate with existing OKC Streetcar TSP
- TSP will upgrade all signalized intersections in the corridor using GPS which communicates to the vendor's equipment connected to the controller
- Green extension (15 seconds), early green (20 seconds), all-red hold, and bus-only queue jumps will all be TSP strategies implemented for this project





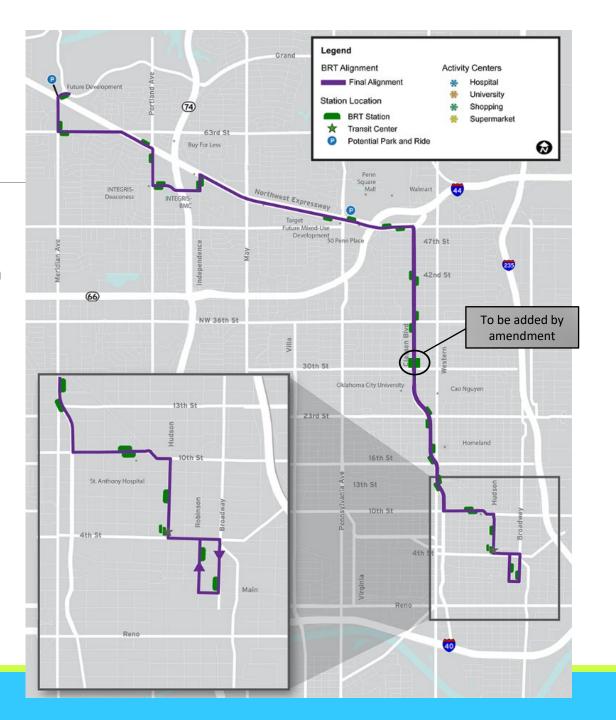




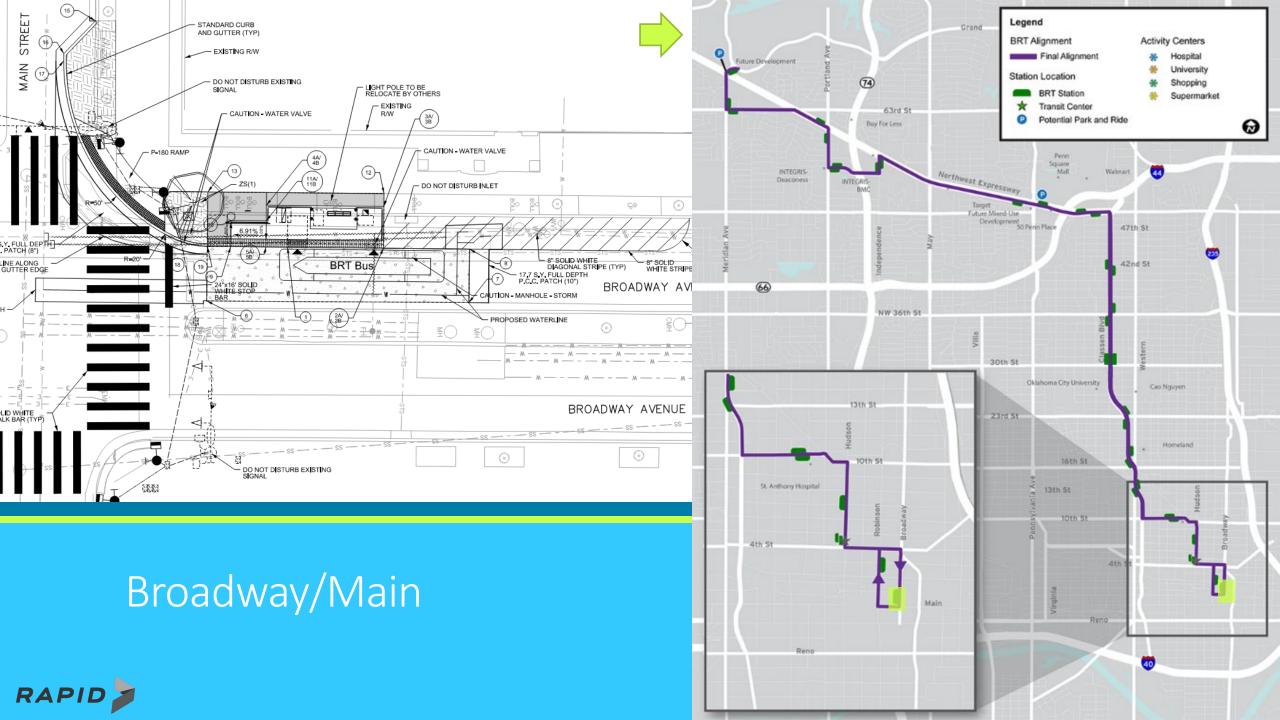
Route

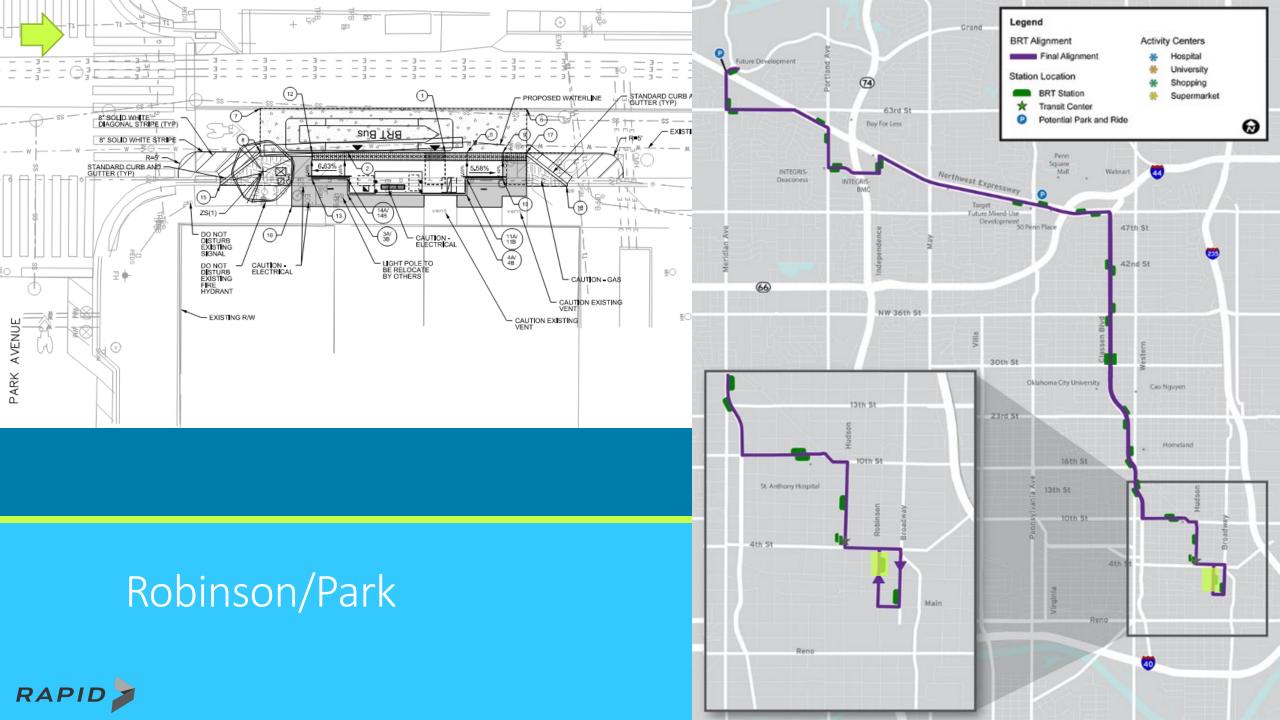
- Broadway/Main
- Robinson/Park
- Downtown Transit Center
- Hudson/8th Street
- 10th Street/Lee Ave.
- Classen/13th Street
- Classen/18th Street
- Classen/23rd Street
- Classen/31st Street To Be Added by Amendment
- Classen/36th Street

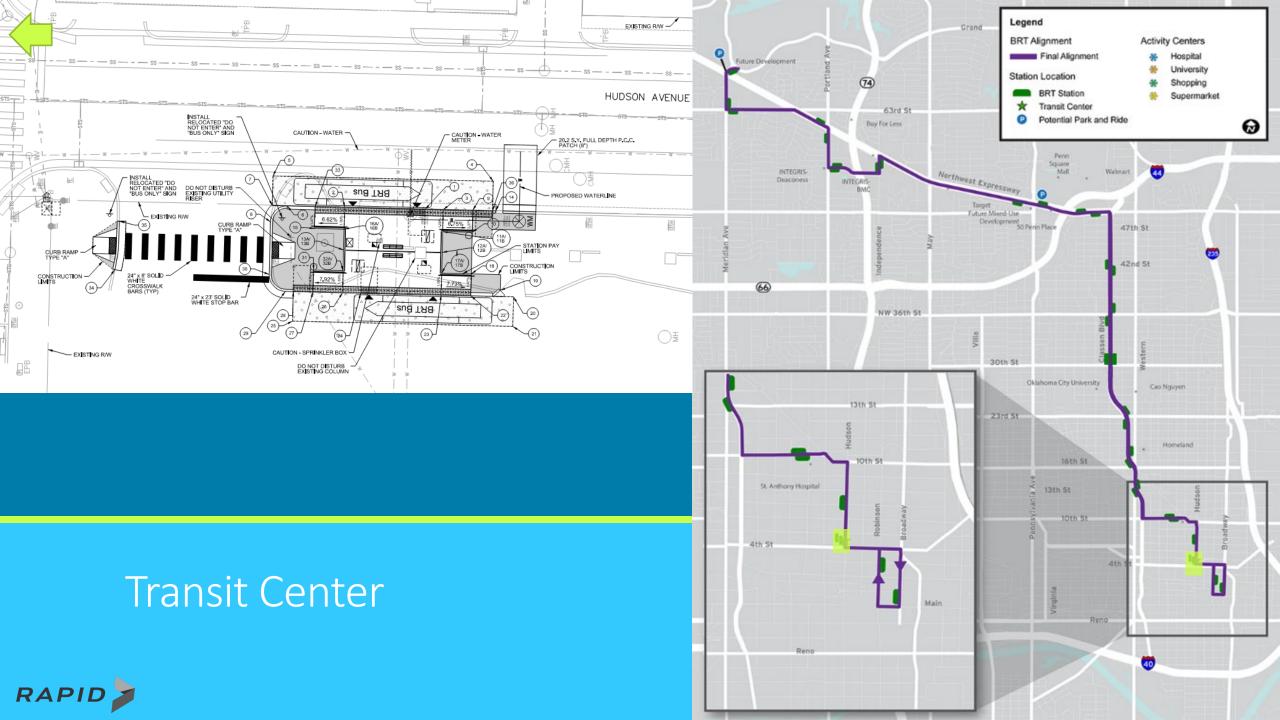
- Classen/42nd Street
- NW Expressway/Blackwelder
- NW Expressway/Pennsylvania
- Independence/56th Street
- Portland/56th Street
- NW Expressway/Portland
- Meridian/63rd Street
- NW Expressway/Meridian



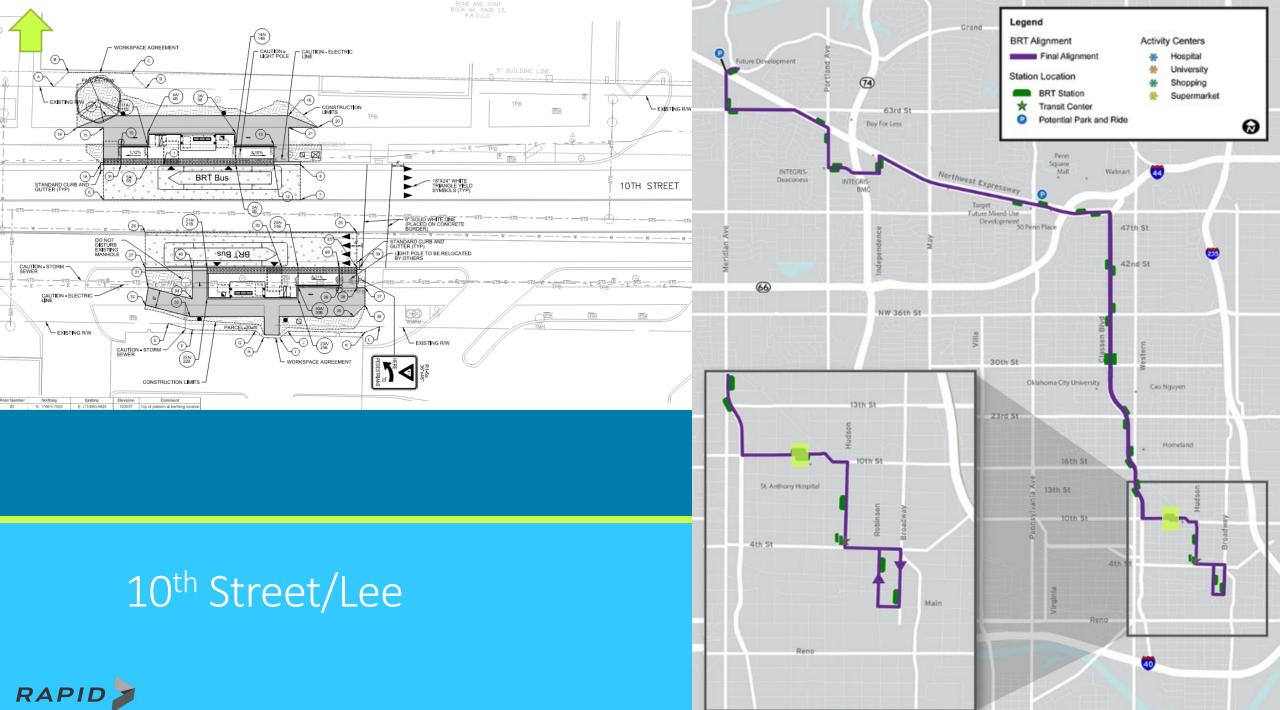




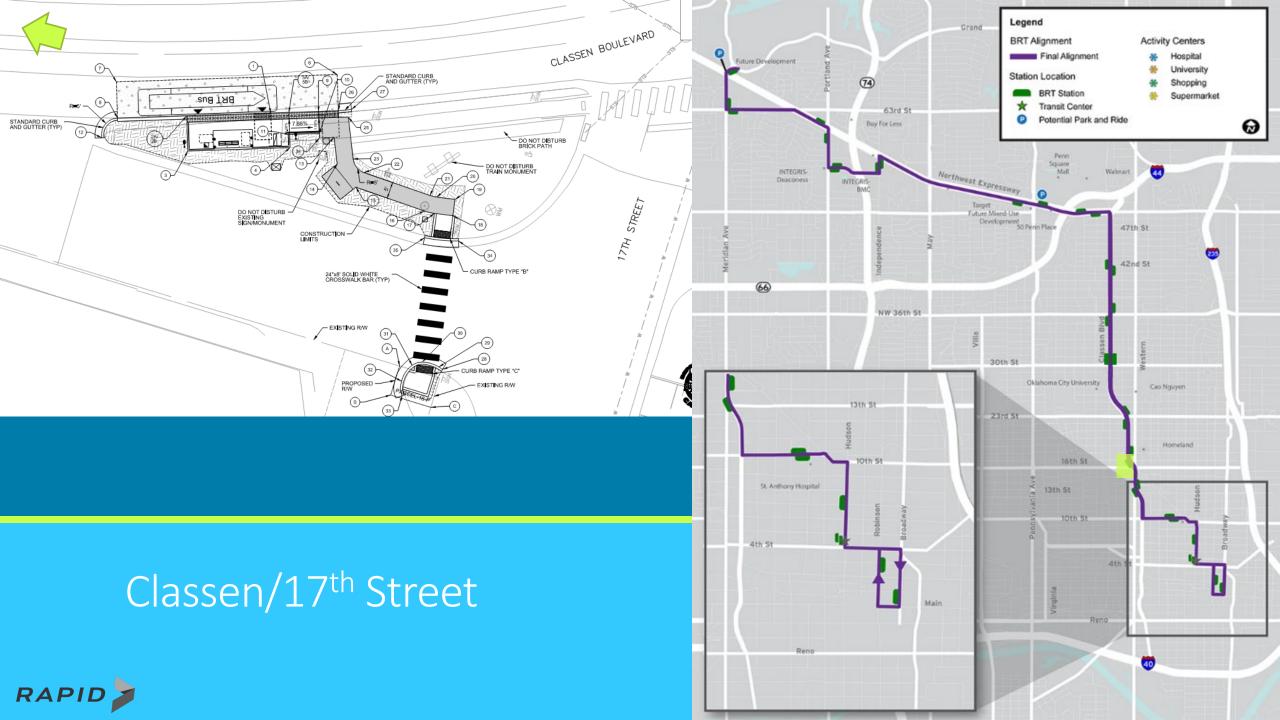


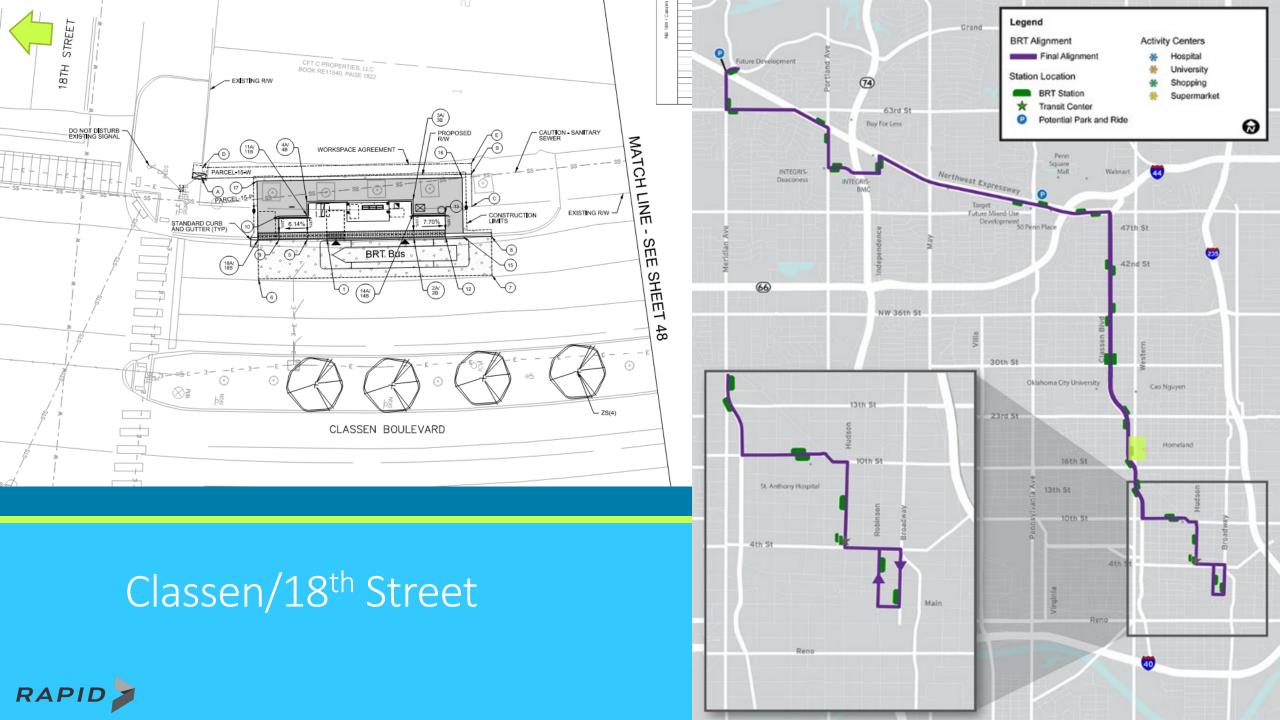






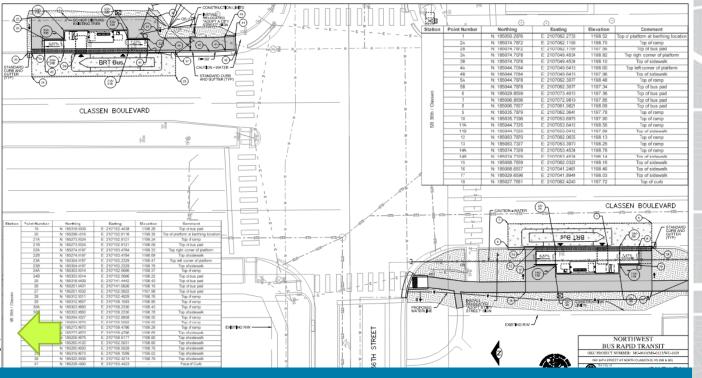






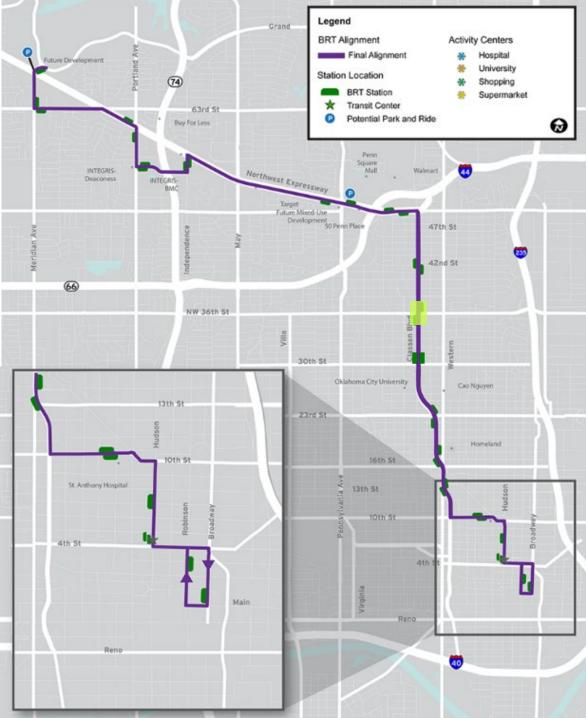




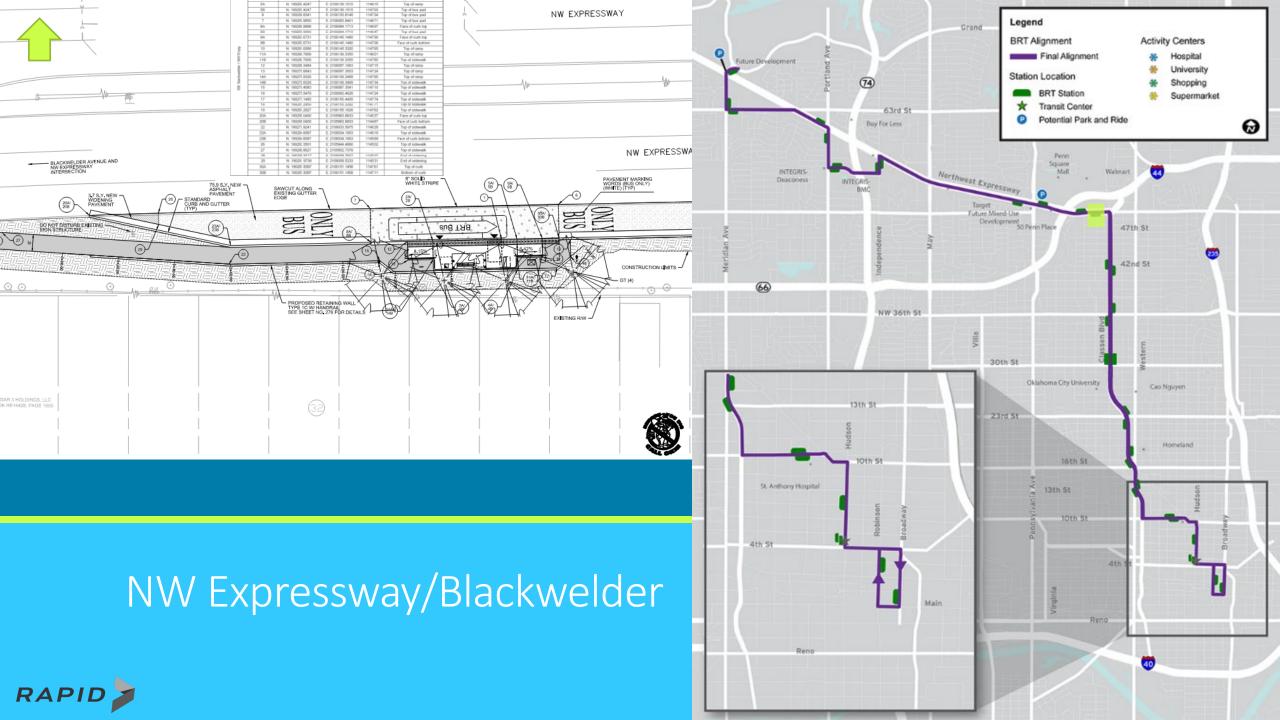


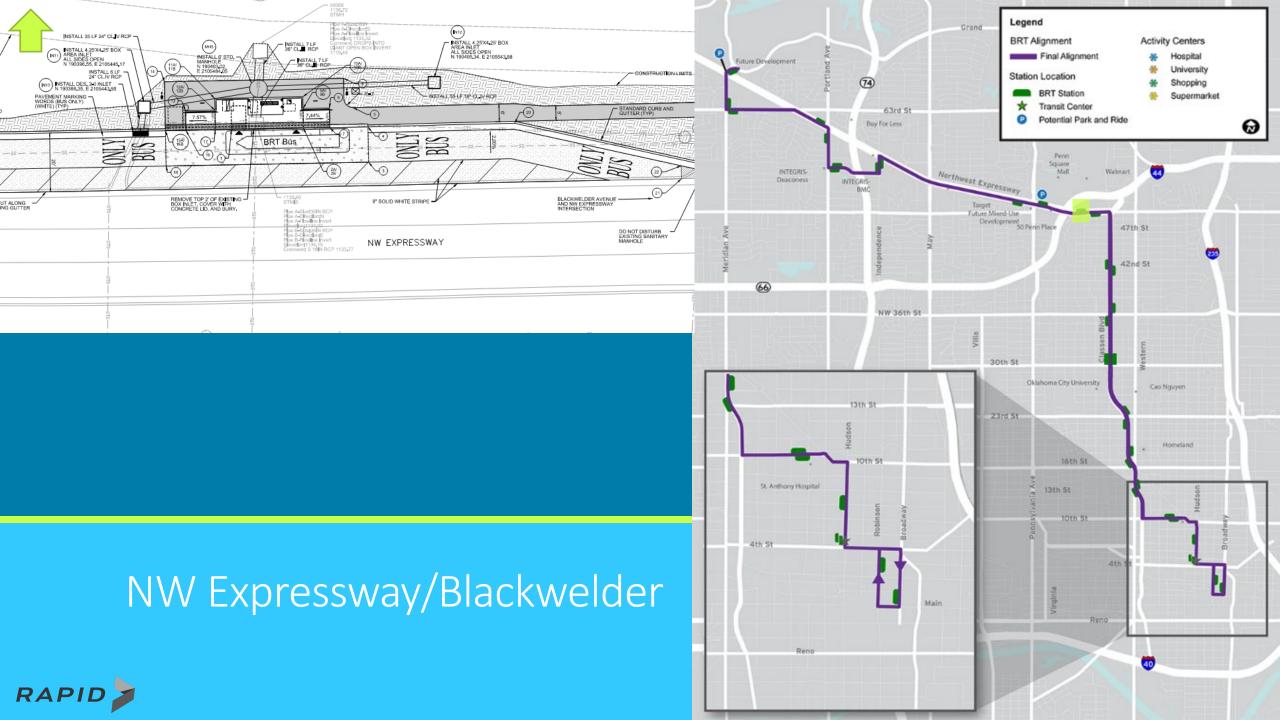
Classen/36th Street

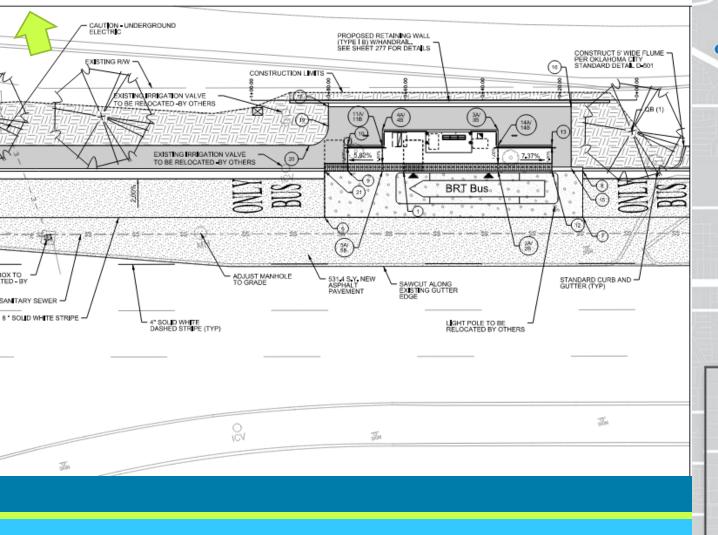






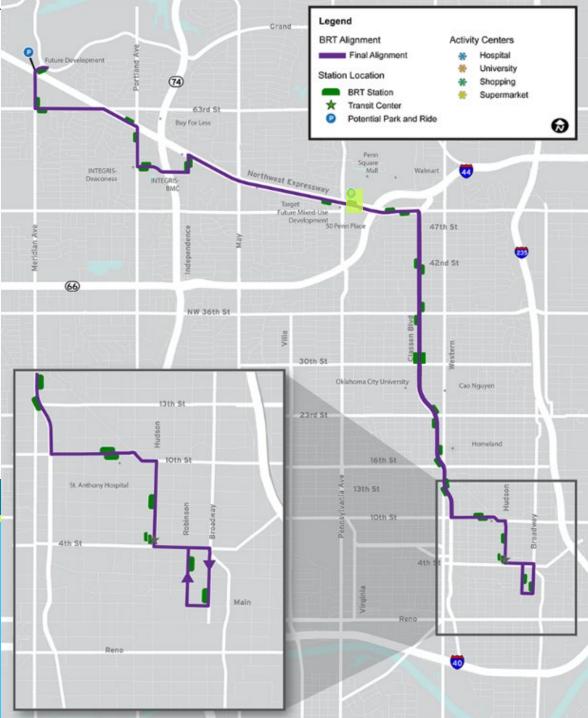


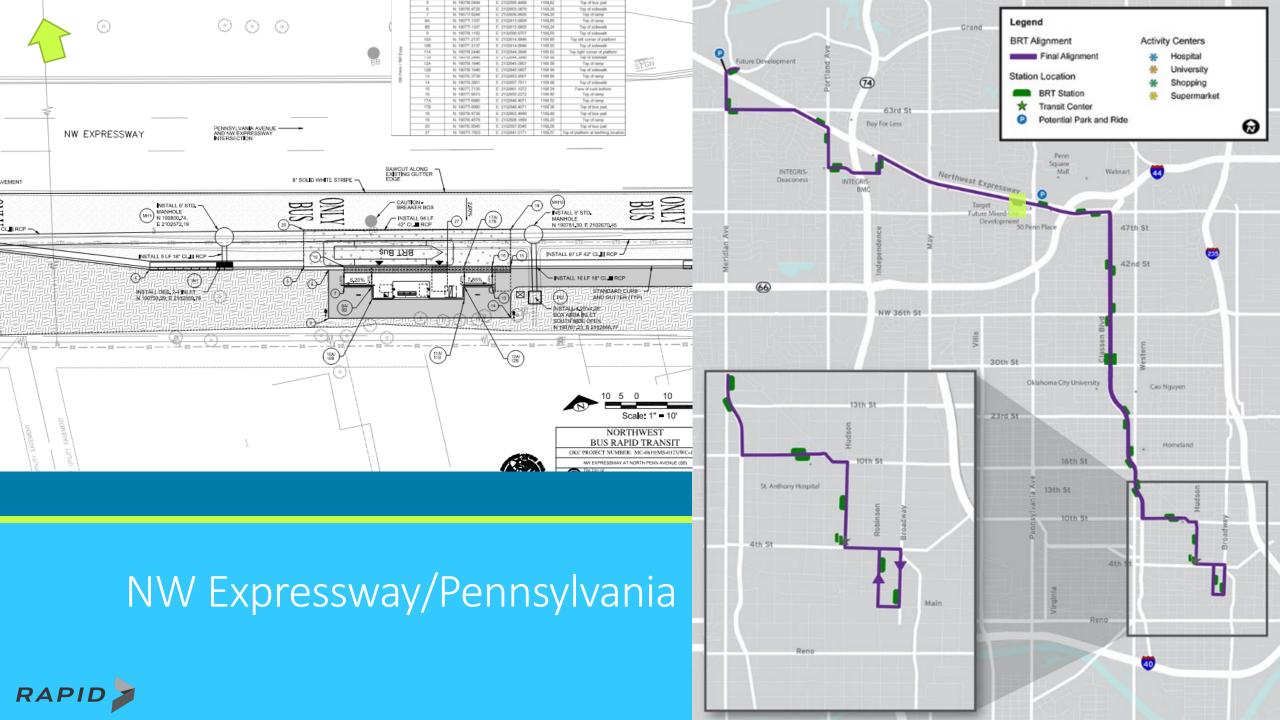


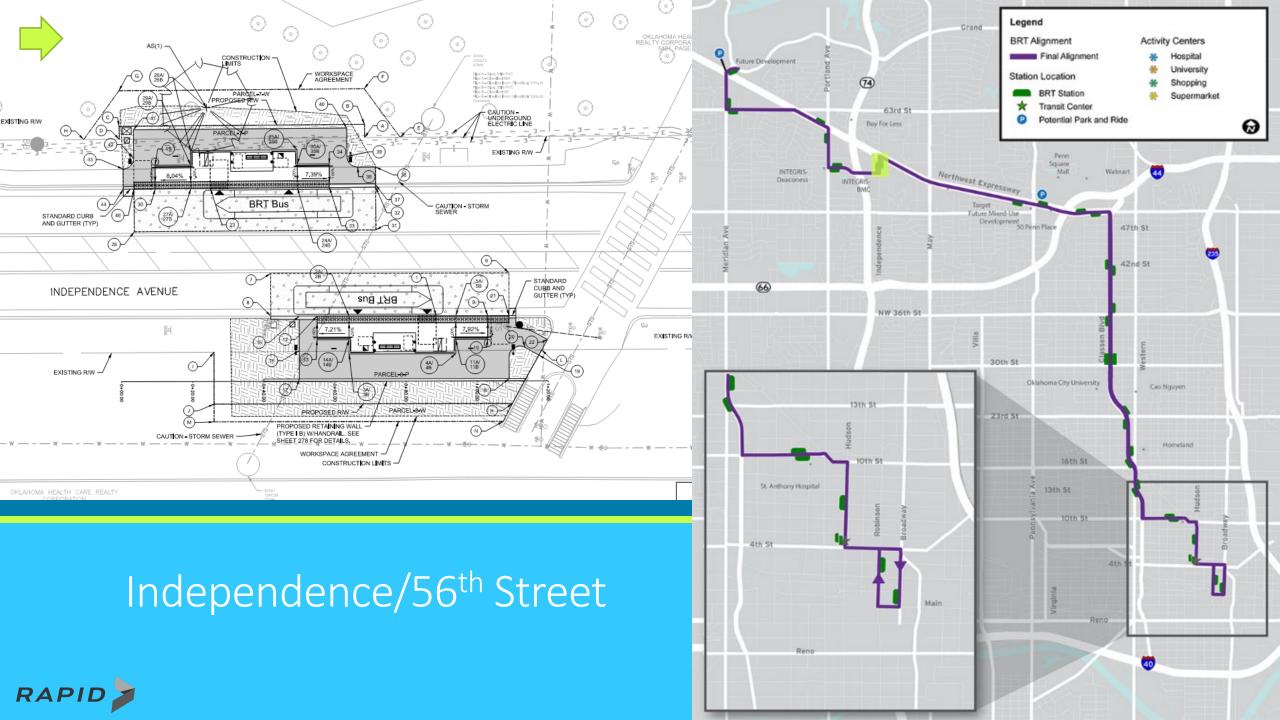


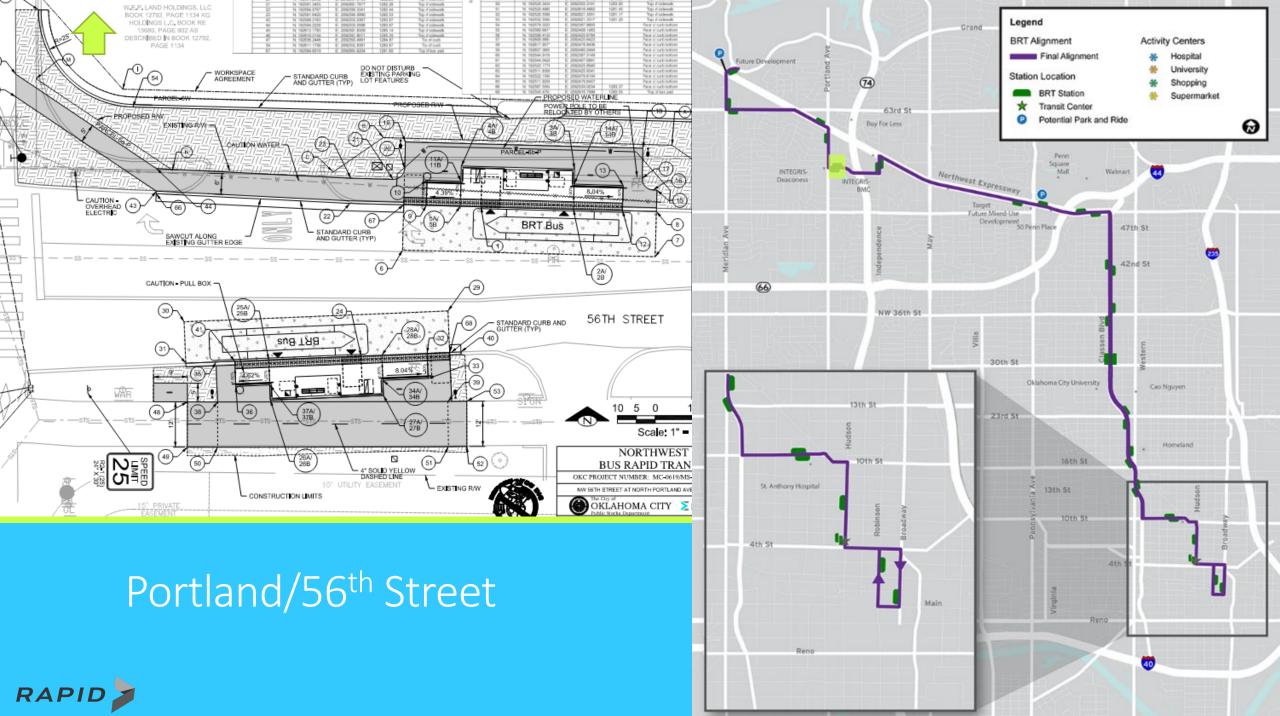
NW Expressway/Pennsylvania

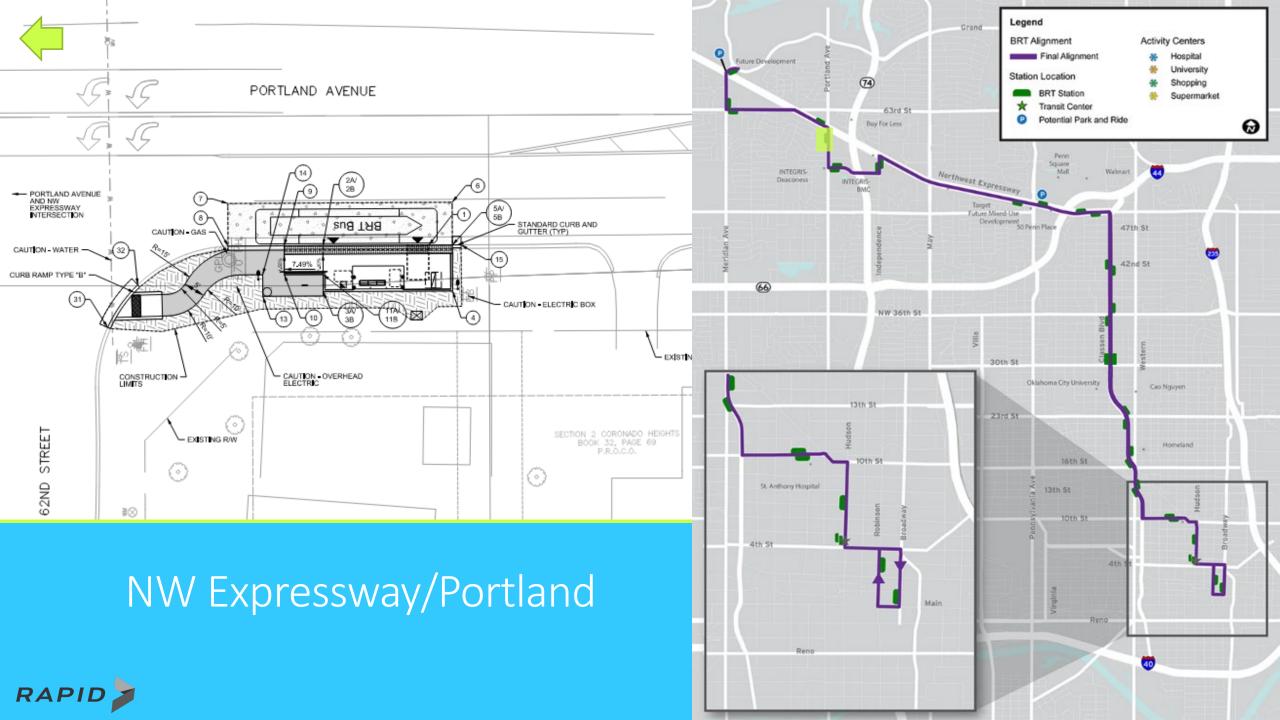


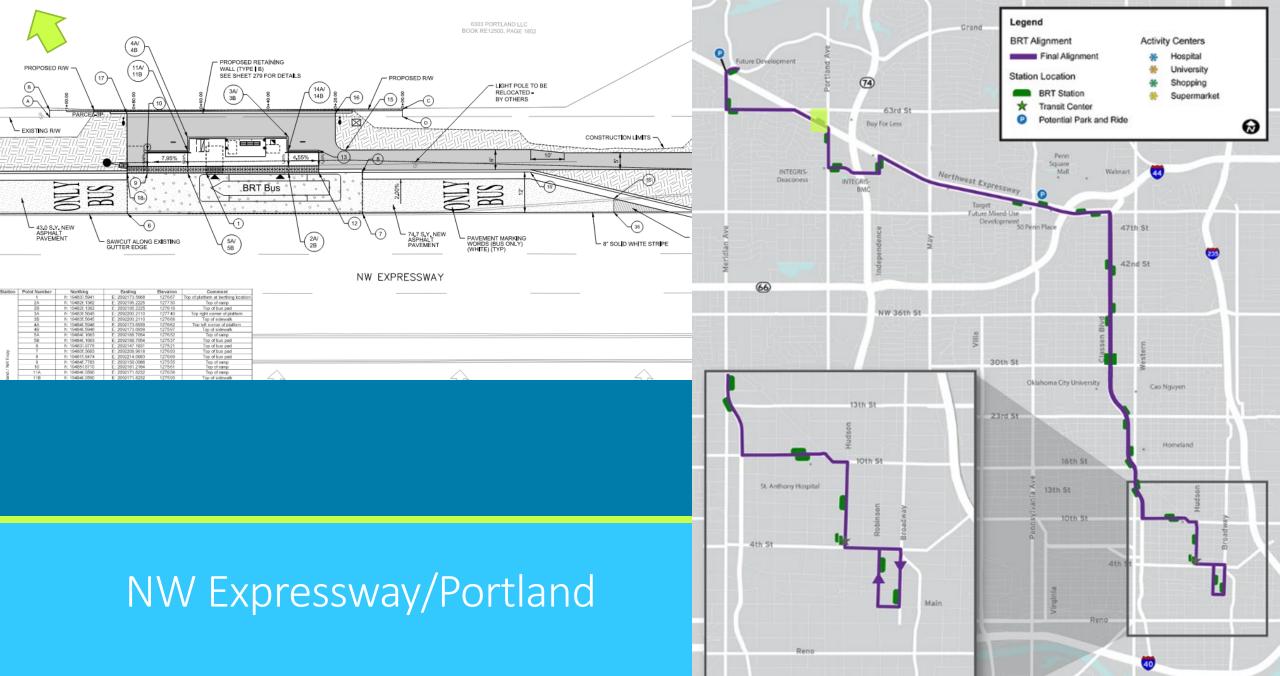




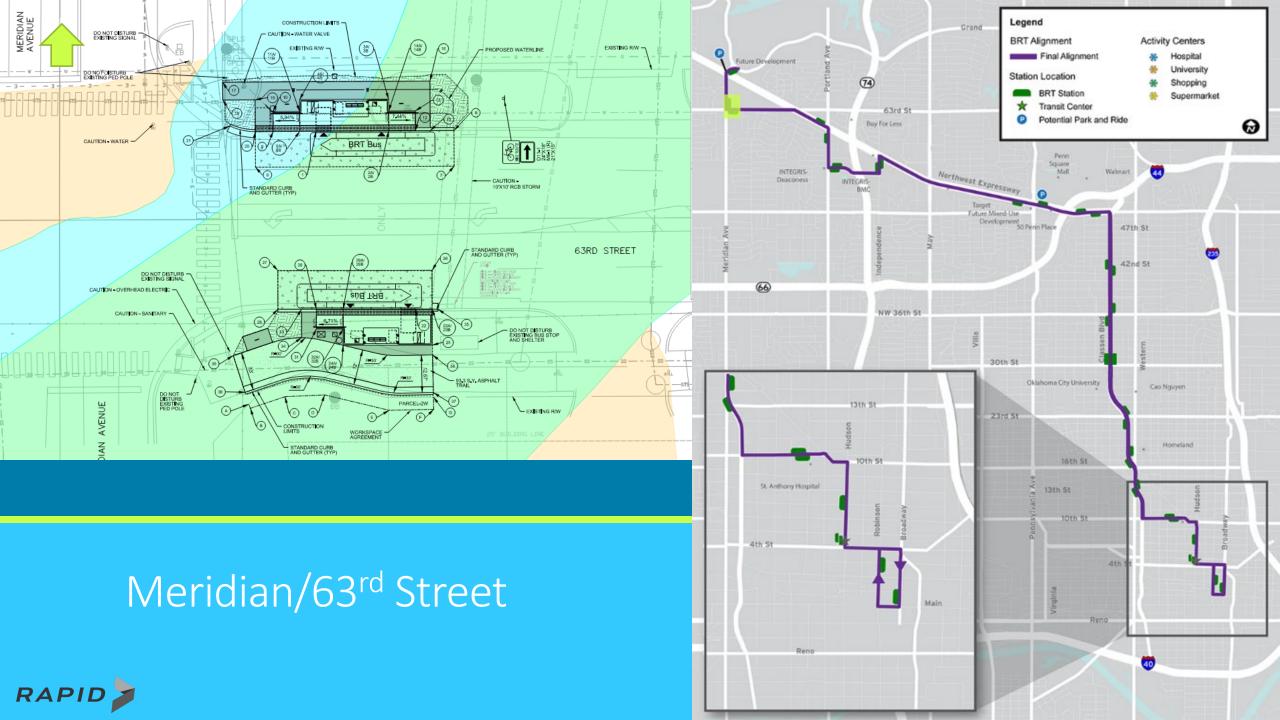


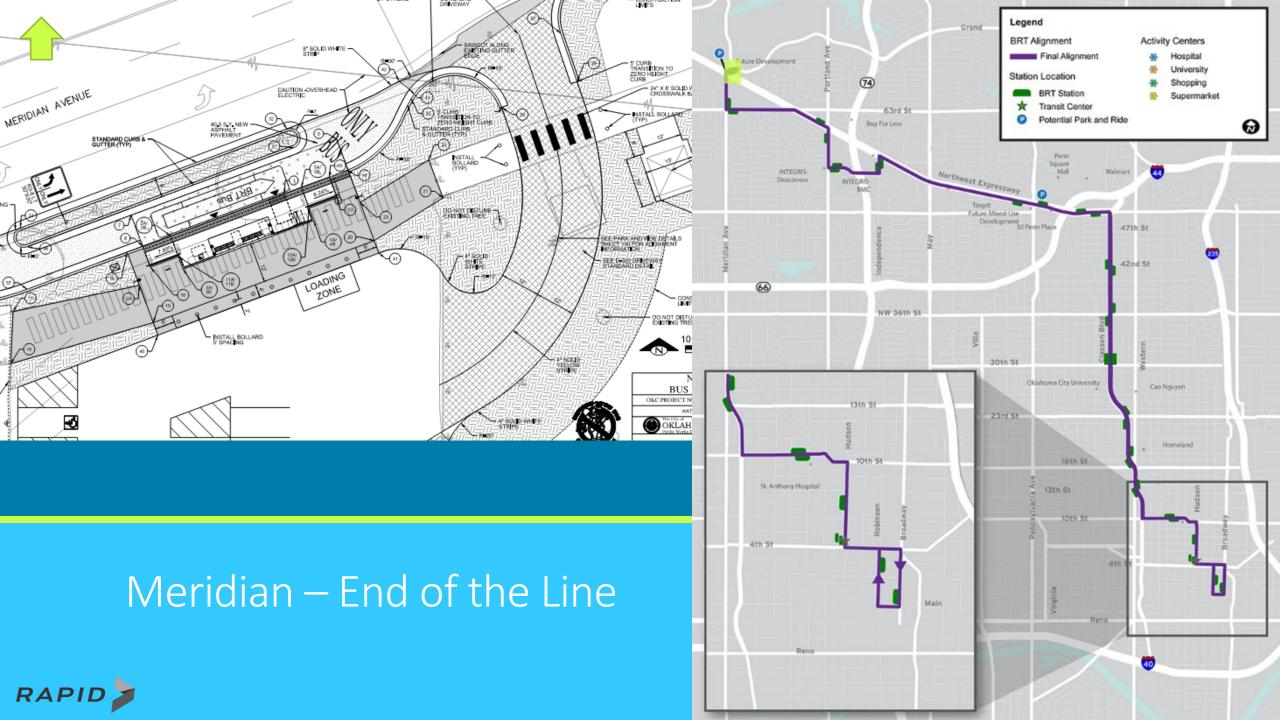






RAPID





Description	MC-0619/WC-1029	MS-0123/WC-1029	WC-1029
Civil	\$ 5,573,482.00	\$ 550,357.00	
Signals	\$ 1,246,135.00	\$ 660,384.00	
Stations	\$ 3,636,000.00		
Waterline	\$ 339,884.00	\$ 185,955.00	\$ 156,615.00
Transit Signal Priority	\$ 1,000,000.00		
Ticket Vending Machine	\$ 150,000.00		
Utility Relocations	\$ 400,000.00		
Right of Way	\$ 200,000.00		
Contingency (25%)	\$ 3,136,375.00	\$ 349,174.00	\$ 39,154.00
Totals	\$ 15,681,876.00	\$ 1,745,870.00	\$ 195,769.00

Engineer's Estimate

Schedule

Feb 2020 -Start **Preliminary** Engineering

Nov 2020 -Submit **Preliminary** Design Report

Jan 2021 -Start Final Engineering

Mar 2022 – **Submit Final** PS&E

Construction

documents to be

advertised, bids

opened, and

contractor awarded

contract.

June 2022 – Start Construction

> Winning contractor to build stations and improvements.

June 2023 – End Construction, **Begin Testing**

Service EMBARK will be

October 2023

– Start of

Revenue

testing, confirming the project meets safety, security, and operational requirements prior to revenue service.





Questions?