

CITT Municipal Workshop

October 28, 2024



SMART Program – North Corridor



Project Scope



9.8 miles Corridor



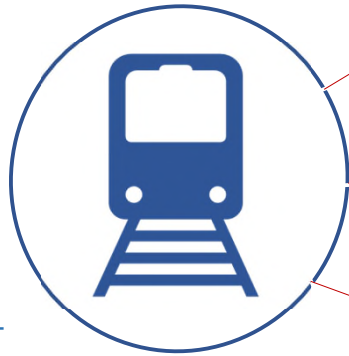
Heavy Elevated Rail



8 Stations & 7 Park-and-Rides



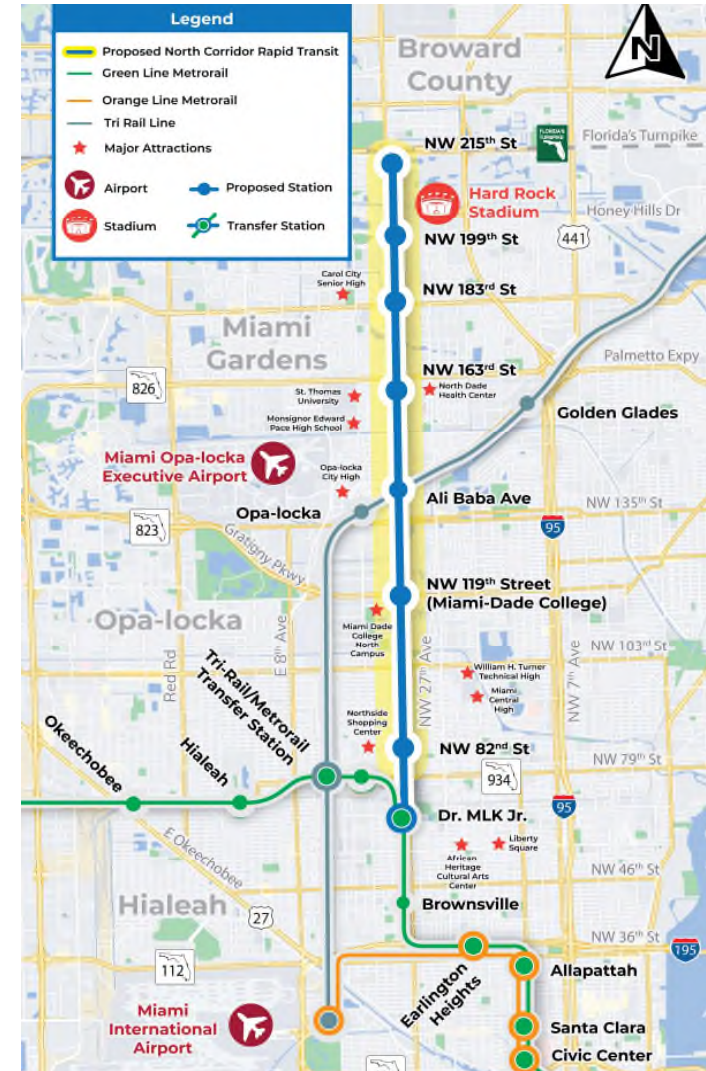
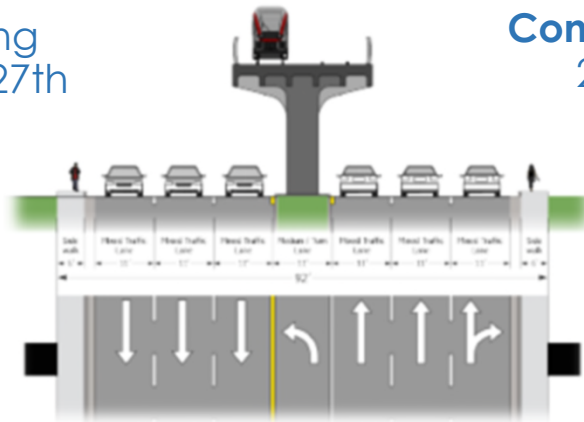
Connection to existing Metrorail along NW 27th Ave



\$2.2B*
Capital Cost

Funding Approach
Federal, State, Local

Anticipated Completion
2036



2 *To Be Updated Upon PD&E Completion

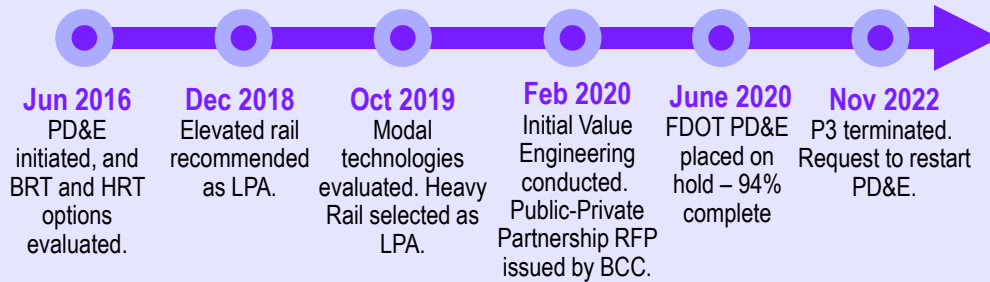
SMART Program – North Corridor

Anticipated Funding Structure & Project Costs (based on 2018 costs)

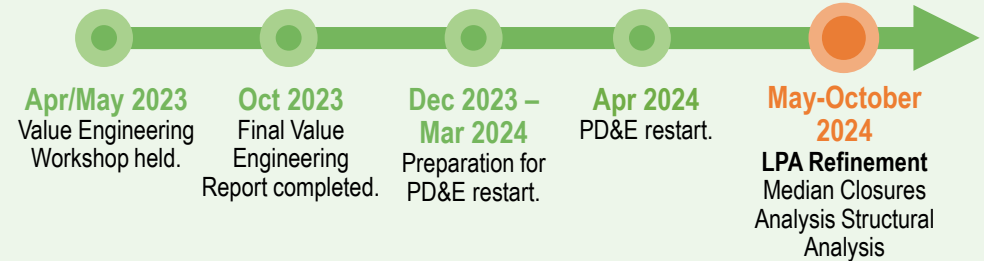
Total Capital Cost (\$YOE):	\$2.2 Billion	
Local Match (\$YOE):	\$440 Million (20%)	40%
State Match (\$YOE):	\$440 Million (20%)	
New Starts Section 5309 (\$YOE):	\$1.32 Billion (60%)	60%

SMART Program – North Corridor Timeline*

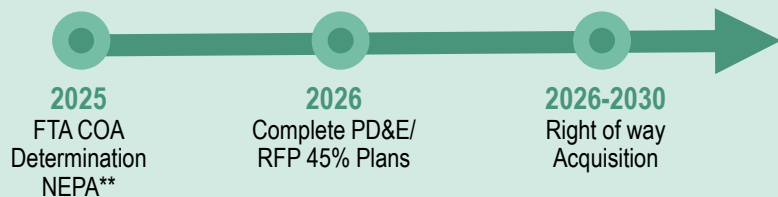
PROJECT HISTORY (2016-2022)



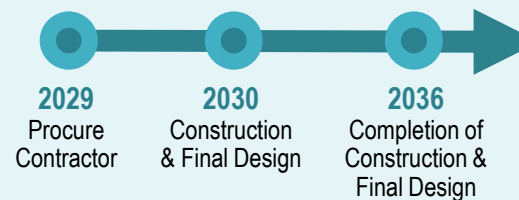
PD&E PHASE (2023-2024)



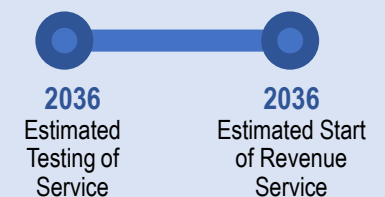
PROJECT DEVELOPMENT/ENGINEERING PHASE



CONSTRUCTION PHASE



SERVICE

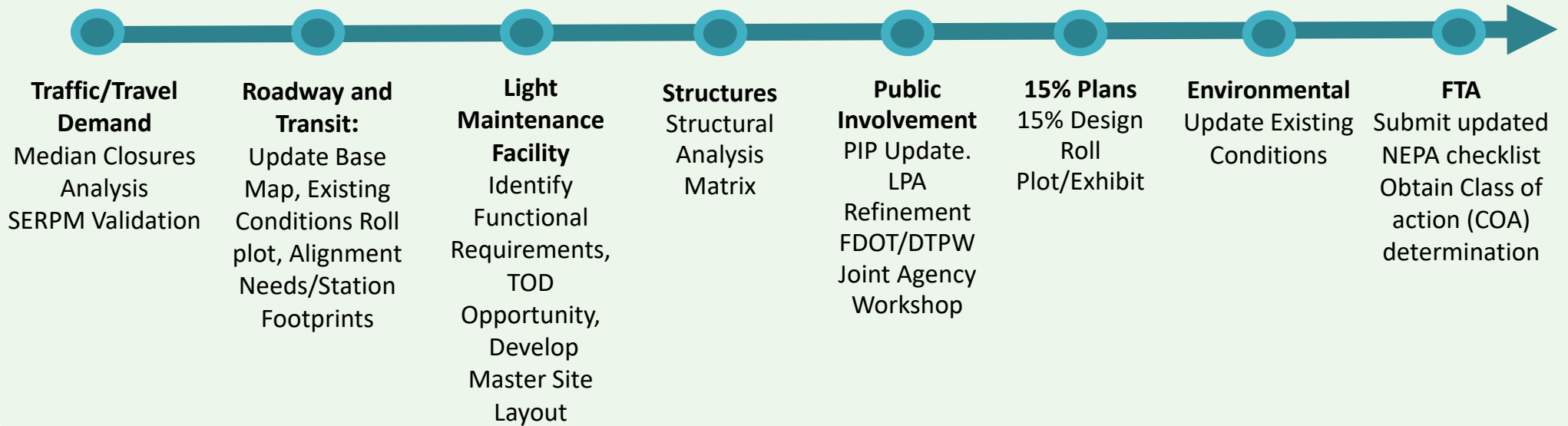


* Timeline subject to availability of state and local funding

** Dependent on FTA's approval

SMART Corridor – North Corridor 12 Month Look-Ahead

PD&E Phase



SMART Program – North Corridor VE Recommendations

- ✓#1 – Adjust Railway and Stations Alignment
- ✓#2 – Modify Railway Design Speed to Improve Operations
- ✓#3 - Use Innovative Roadway Design Strategies
- ✓#4 - Adjust Bus Routes and Stations/Stops Locations
- ✓#5 - Partner with Private Industries to Generate Revenue
- ✓#6 - Re-engage with Broward County for Rail Extension
- ✓#7 - Utilize Alternative Drainage Strategies
- ✓#8 - Improve Light Maintenance/Cleaning Operations
- ✓#9 - Resize and Relocate Parking Areas
- ✓#10 - Locate a Rail Pocket Track
- ✓#11 - Utilize Alternative Superstructure and Substructure Strategies
- ✓#12 - Use Packaged Power Substations
- ✓#13 - Deploy a Hybrid Operating Model for Express Service
- ✓#14 - Generate and Use Solar Energy
- ✓#15 - Maintain Operations while maintaining railway
- ✓#16 - Apply Roadway Speed Management Strategies
- ✓#17 - Overlap PD&E and Design Phases
- ✓#18 - Create a Con-Ops & Ops-Con Outline
- ✓#19 - Create an MOA/MOU Outline

Items Not Recommended to Move Forward After VE Study

Item #19 Being Addressed Separately By FDOT and DTPW



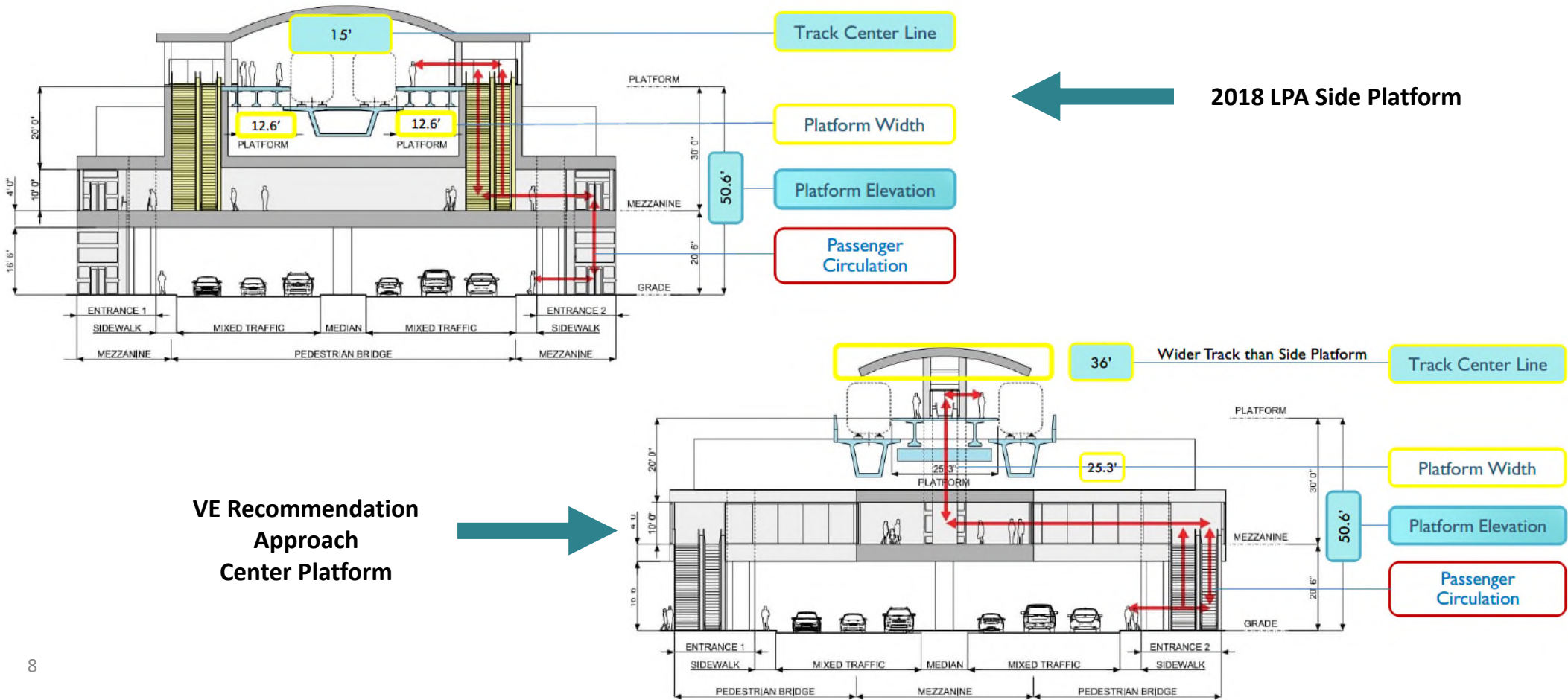
SMART Program – Addressing VE Recommendations

Alternative Superstructure and Substructure Strategies



SMART Program – Addressing VE Recommendations

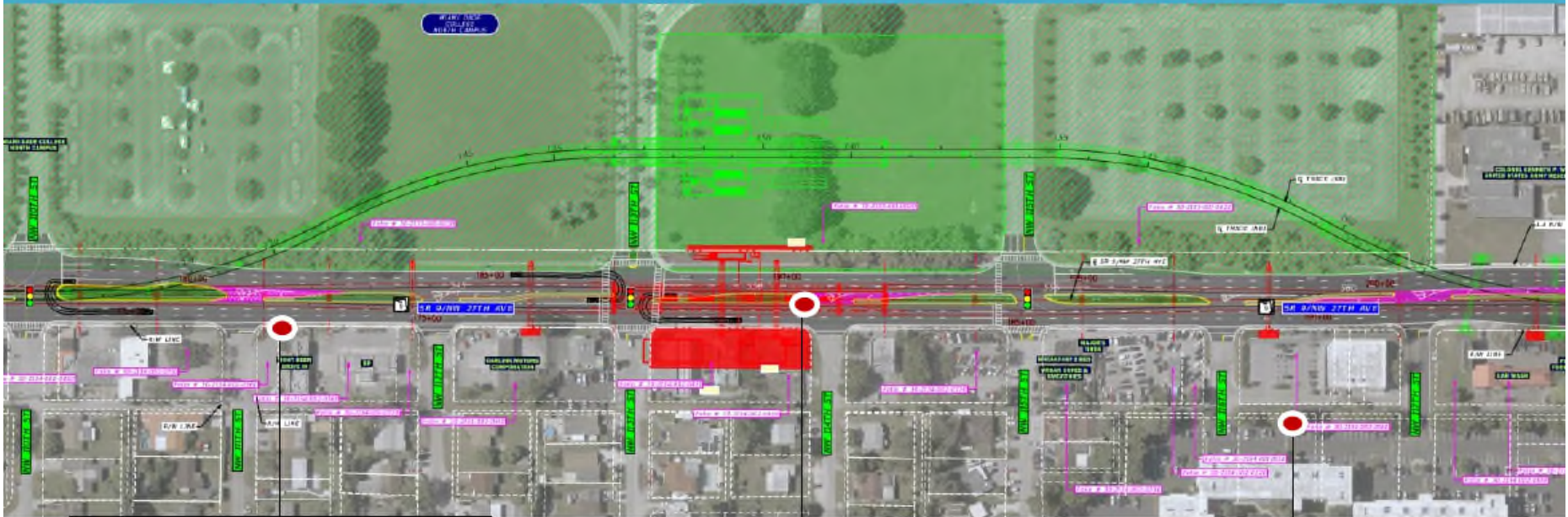
Center Platforms Stations



**VE Recommendation
Approach
Center Platform**

SMART Program – Addressing VE Recommendations

Miami-Dade College



Decreases number of Piers
22 to 18 (Segmental & Steel)

Decreases ROW take
6.3 to 0.45 acres (Segmental & Steel)

3 Median Closures to
minimize 5 of Straddle Bents

SMART Program - Flagler Corridor Feasibility Study



(7.A - Board Member Reports)





Board Member Eileen Higgins requested the Florida Department of Transportation place the Bus Rapid Transit Flagler Street Project Development and Environment feasibility study in abeyance and use the funds to initiate a study to evaluate an elevated fixed guideway system along Flagler Street from Downtown to Florida International University to provide direct or intermodal connectivity to the existing transit system.

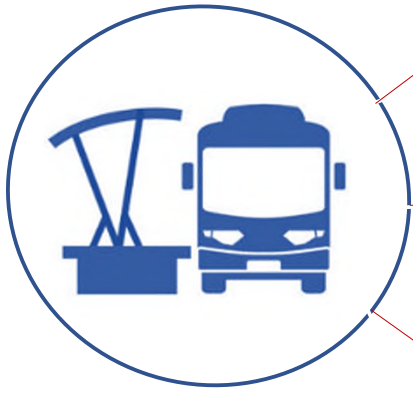
TPO Governing Board Meeting – 01/25/2024 Board Directives

The feasibility study will evaluate alternatives for an elevated fixed guideway system along Flagler Street from Downtown Miami to Florida International University (FIU).



SMART Program – Flagler Demonstration

- Project Scope**
-  2.1 miles Corridor
 -  Bus Rapid Transit Lanes
 -  Utilizing existing Bus Stops/Routes
 -  Demonstration for upcoming Flagler PD&E

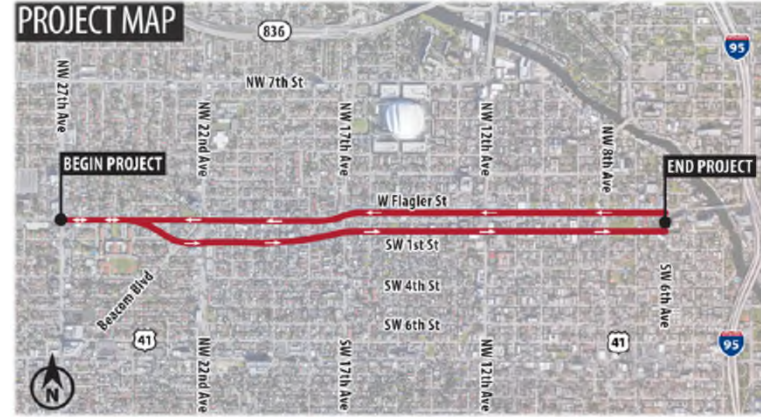



\$7.3M
 Capital Cost

Funding State

Anticipated Completion 2027*

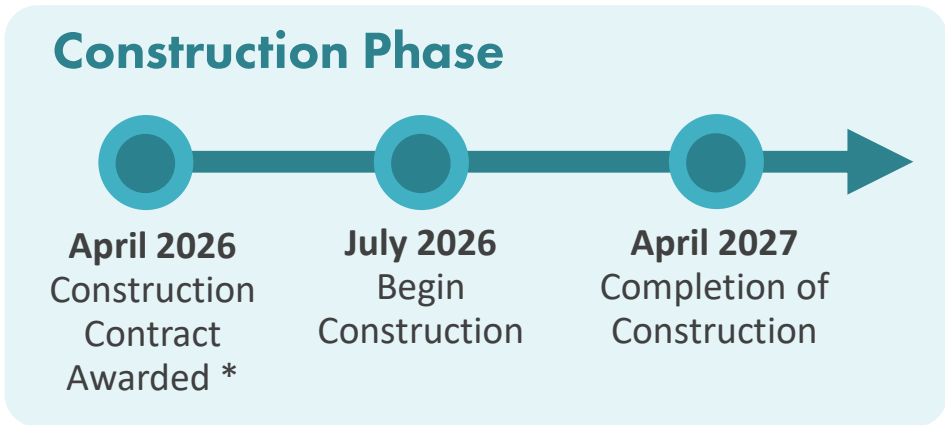
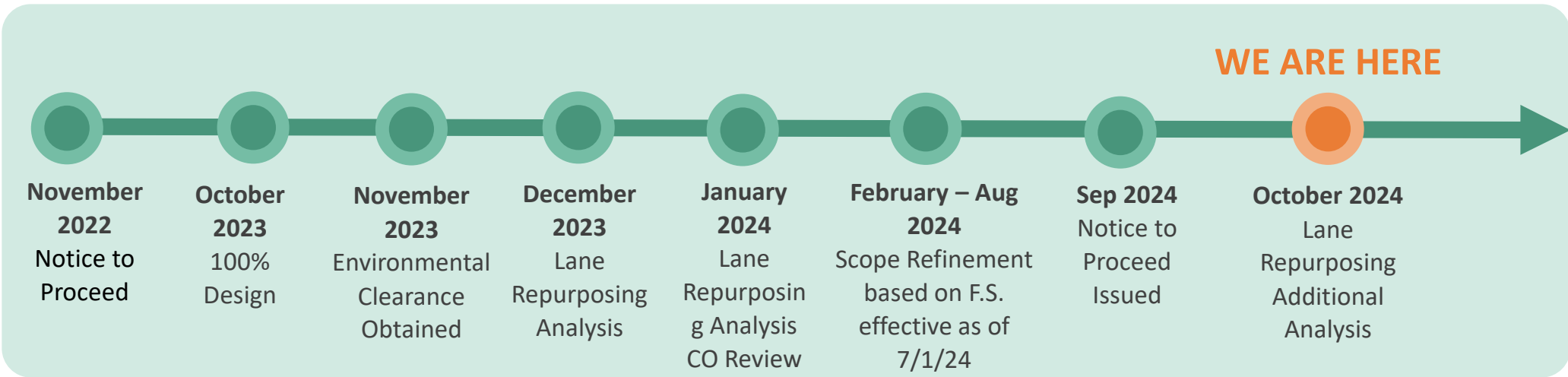
Proposed Flagler Street – Looking West



11 * *Dependent on additional analysis*



SMART Program – Flagler Demonstration



12 * *Dependent on Central Office approval of the Lane Repurposing Analysis*

