



What are the projects to be built?



(Emphasis of the Regional Transit Feasibility Plan)



How is it funded?



Who is responsible for building and maintaining it?

PLAN PURPOSE

- O Define and validate a regional transit vision.
- Identify a catalyst that begins building the vision
- Identify a catalyst that has the greatest potential to be built (compete for state and federal grants)

THE PLAN IS NOT

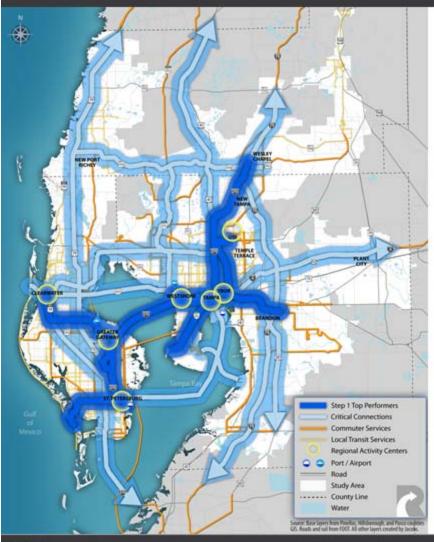
- Another study for the shelf
- A replacement for the Long Range Transportation Plan or a Transit Development Plan

THE CATALYST IS NOT

- A replacement for future transit projects
- X The only transit recommendation for Tampa Bay

REGIONAL TRANSIT VISION

THE TOP PERFORMERS AND CRITICAL REGIONAL CONNECTIONS WOULD SERVE THE FOLLOWING WITHIN 1/2 MILE OF EACH CONNECTION BY 2040





SERVES APPROX.

6 IN 10 JOBS (2040)

5 IN 10 RESIDENTS (2040)



SERVES APPROX. 2,100

JOBS PER MILE (2040)

SERVES APPROX. 3,000

RESIDENTS PER MILE (2040)





SERVES APPROX.

6 IN 10

RESIDENTS WITHOUT CARS

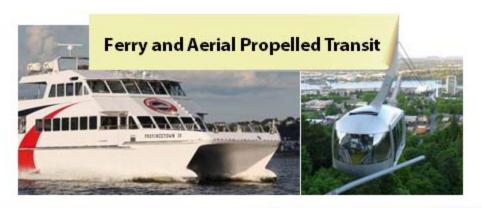
(2040)



VISION - STEP 1 RESULTS

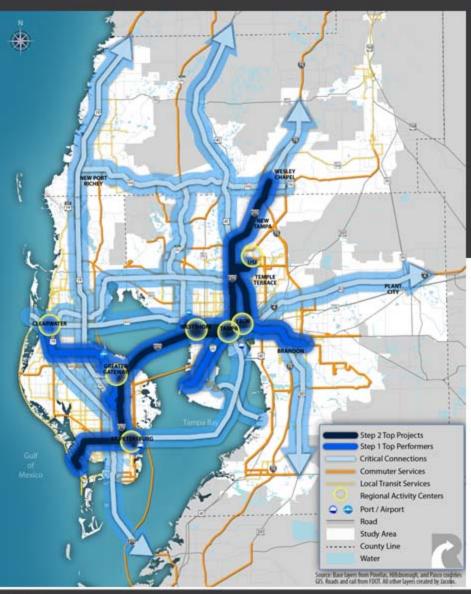
CHOOSING MODES

Understanding the travel needs of riders along and near each of the top connections illustrates which modes best serve that need.





STEP 3 EVALUATION: FIVE ALTERNATIVES



- **I-275** Rubber Tire
- 🧭 **I-275** Urban Rail
- 🕜 CSX Rubber Tire
- **CSX** Urban Rail
- 🕜 CSX Commuter Rail

2017 LAND USE

- Employment
- Population density

2017 MOBILITY AND CONGESTION

- New riders
- Annual ridership

2017 ENVIRONMENTAL BENEFITS
2017 COST EFFECTIVENESS

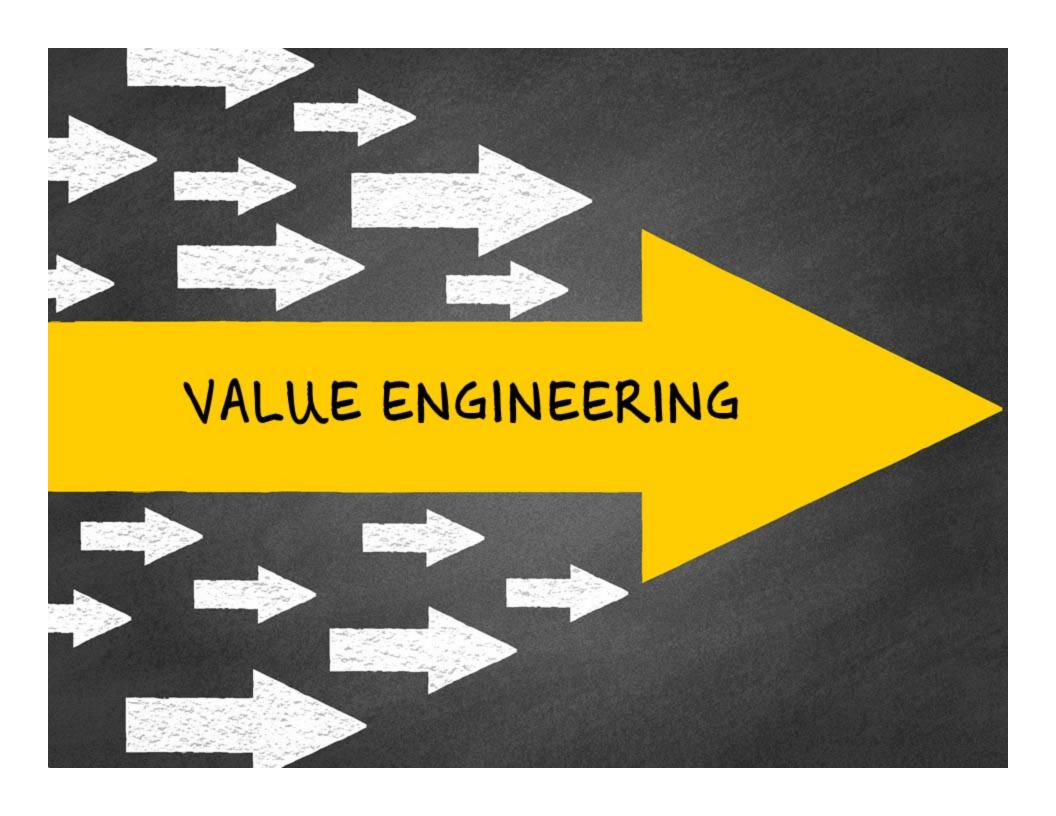


FTA COST EFFECTIVENESS (New Starts Medium Rating) \$10 OR BETTER

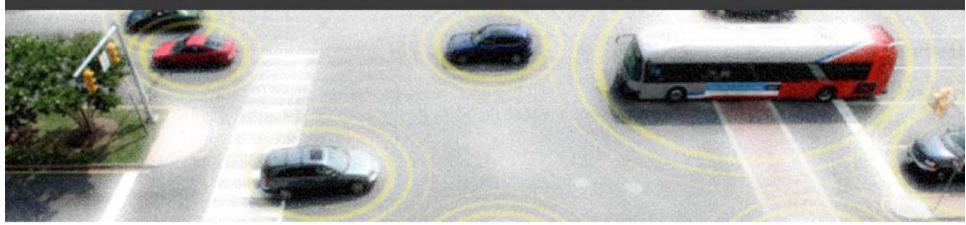
Not Final Recommendations	2017 TOTAL PROJECT CAPITAL	2017 COST PER TRIP
I-275 RUBBER TIRE	\$2.3B - \$2.9B	\$45
I-275 URBAN RAIL	\$3.9B - \$5.1B	\$51
CSX RUBBER TIRE	\$340M - \$420M	\$11
CSX URBAN RAIL	\$800M - \$1B	\$17
CSX COMMUTER RAIL	\$520M - \$650M	\$21

Estimates are calculated in 2017 dollars and do not include inflation or financing. These are planning level cost estimates that are subject to change as the project moves towards implementation.





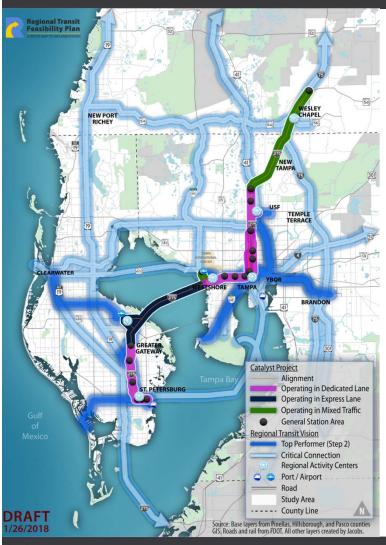
VALUE ENGINEERING: PROJECT COSTS



How much capital investment does the ridership support?

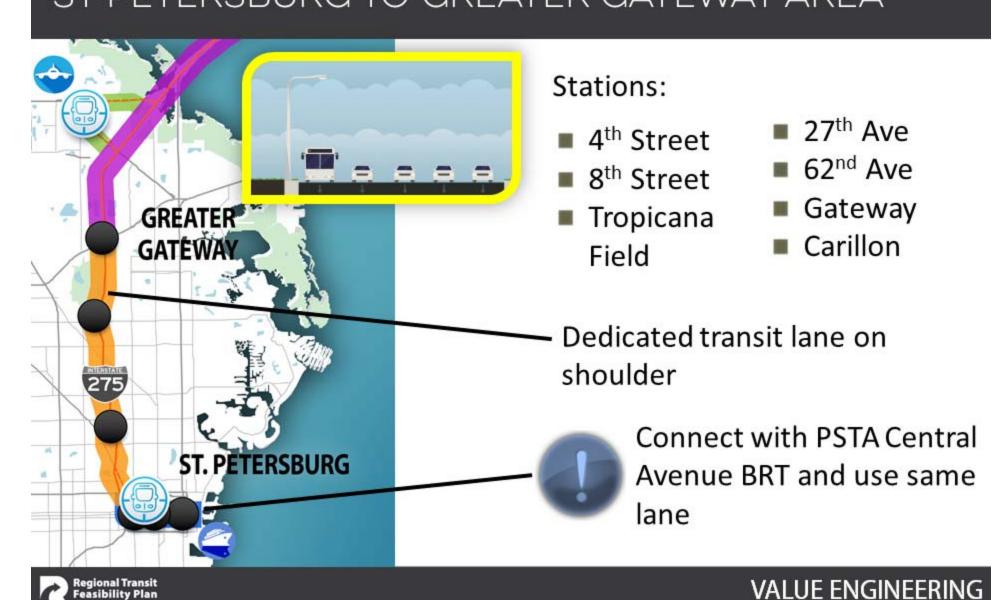
COST PERTRIP =
Annual capital + operations
Annual ridership

WESLEY CHAPEL TO ST. PETERSBURG



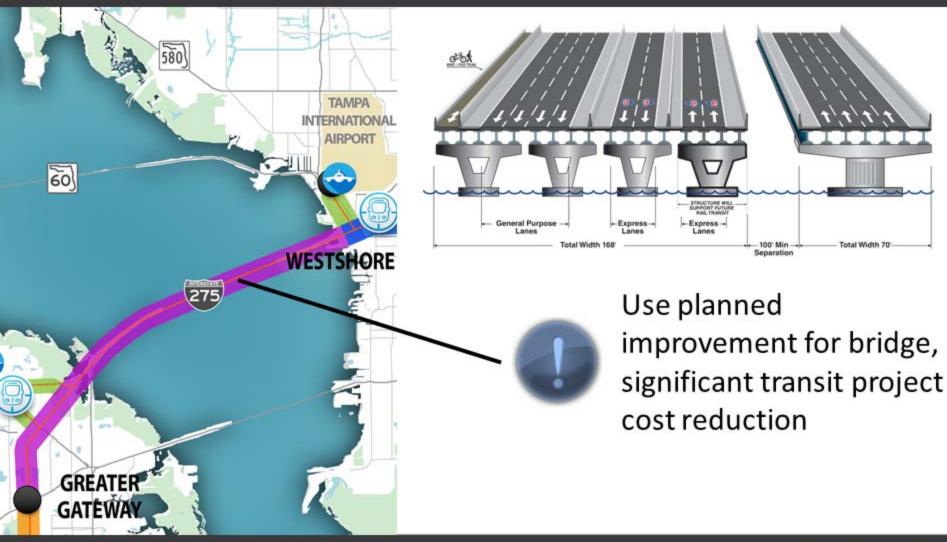
- Combination of dedicated transit lane and mixed traffic operations
- NO RIGHT-OF-WAY NEEDED (except stations)
- 21 stations (19 at-grade/street level, 2 elevated)
- 80-95 minutes to travel from Wesley Chapel to St. Petersburg

PROJECT CONCEPT: I-275 RUBBER TIRE ST PETERSBURG TO GREATER GATEWAY AREA

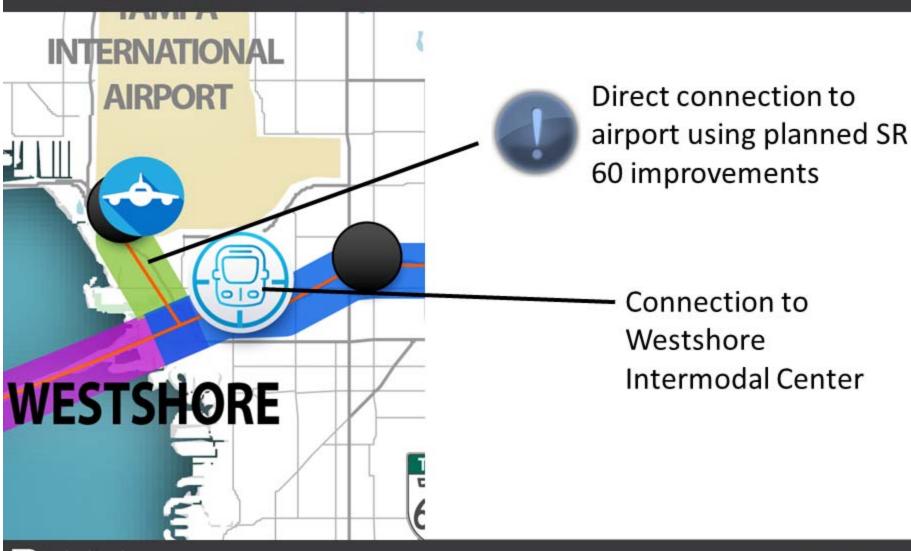


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HOWARD FRANKLAND BRIDGE



AIRPORT AND WESTSHORE



WESTSHORE TO TAMPA



Elevated Stations:

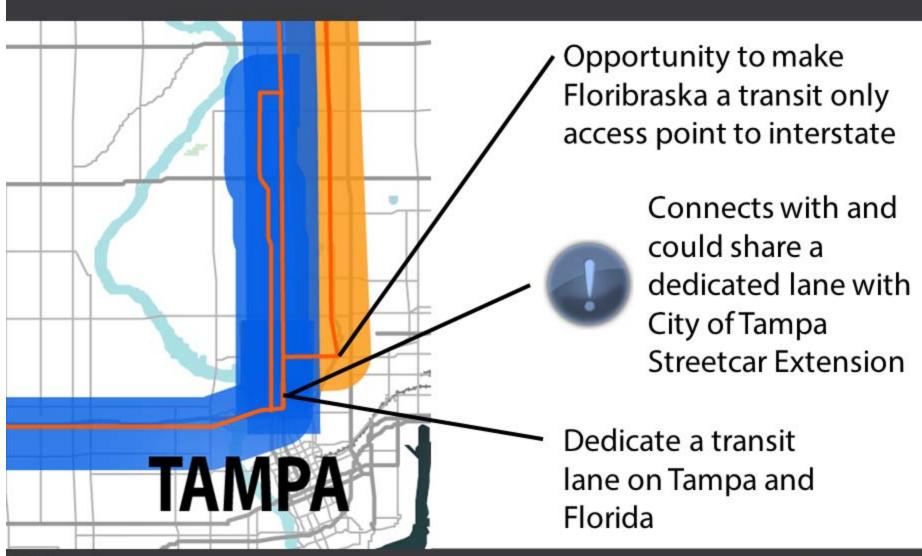
- Westshore
- Howard Armenia

Street Level Stations:

- Himes
- North Blvd.
- Tampa

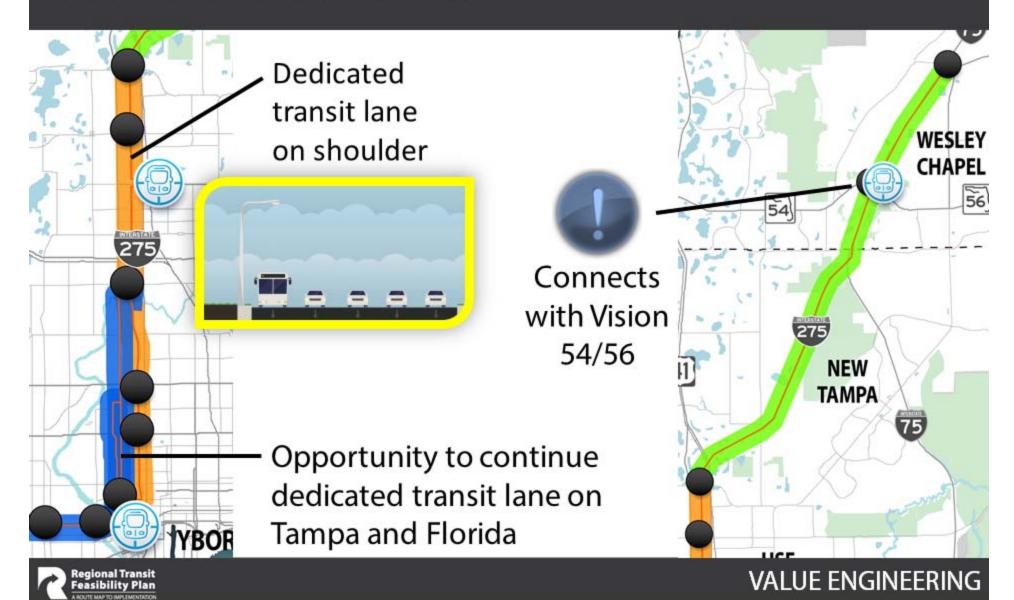
Use preserved transit corridor for median running dedicated transit lane

TAMPA



TAMPA TO WESLEY CHAPEL

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TAMPA TO WESLEY CHAPEL



Stations:

- Downtown Tampa
- Floribraska
- MLK
- Hillsborough
- Waters
- Fowler
- Fletcher
- Bearss
- SR 56
- SR 54



SHOULDER RUNNING DEDICATED TRANSIT LANE

Serves three counties

COST

I-275 END TO END MEDIAN RUNNING RUBBER TIRE	\$2.3B- \$2.9B	
I-275 SHOULDER RUNNING CONCEPT	\$1.3B- \$1.6B	
I-275 SHOULDER RUNNING CONCEPT INTERGRATED WITH FUTURE INTERSTATE MODERNIZATION PLANS	\$380M - \$455M	



Source: Sweden, Super Bus, Wikipedia

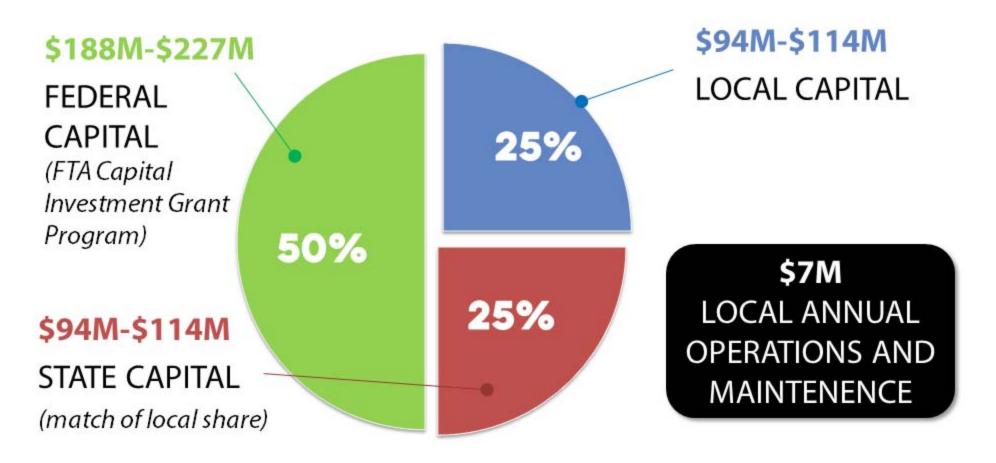


Estimates are calculated in 2017 dollars and do not include inflation or financing.

These are planning level cost estimates that are subject to change as the project moves towards implementation.



2017 CAPITAL COST BREAKDOWN

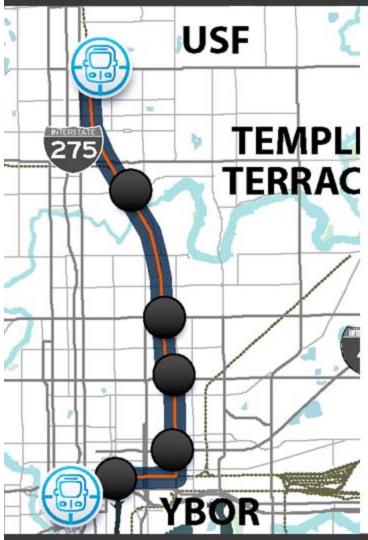


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PROJECT CONCEPT: CSX URBAN RAIL

DOWNTOWN TAMPA TO USF



Electric/Diesel Multiple Unit

Stations:

- Tampa
- 21st Street
- MLK
- Hillsborough
- Waters
- Fowler



Germany Courtesy of Bombardier)



New Jersey
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Texas

[By Mic hael Barera, CC BY-SA 4.0, https://com.mors.wikimedia.org)

VALUE ENGINEERING



PROJECT CONCEPT: CSX URBAN RAIL

ELECTRIC/DIESEL MULTIPLE UNIT

Uses existing freight rail corridor

COST

DOUBLE TRACKED URBAN RAIL

\$800M - \$1B

EMU/DMU URBAN RAIL SINGLE TRACK WITH SIDINGS

\$490M - \$620M

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France

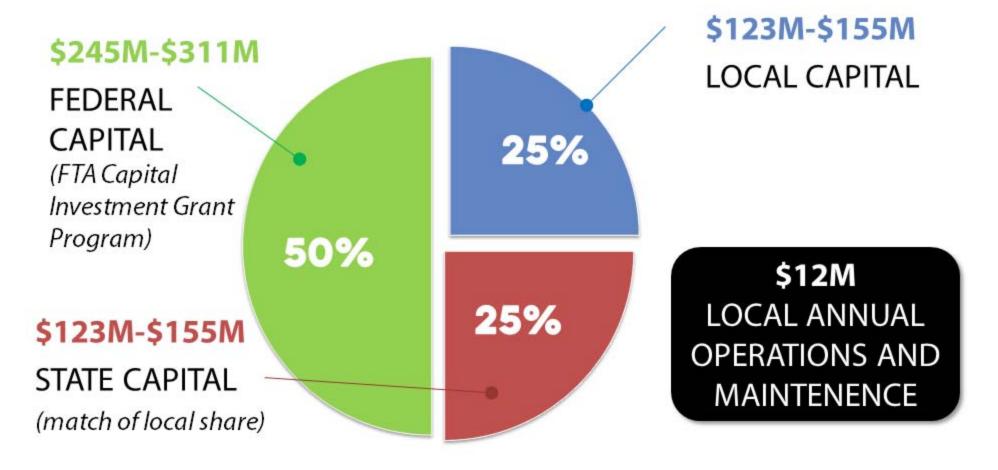


I EX & S (By Michael Barera, CC BY-SA 4.0, https://commors.wikimedia.org)

Regional Transit Feasibility Plan **VALUE ENGINEERING**

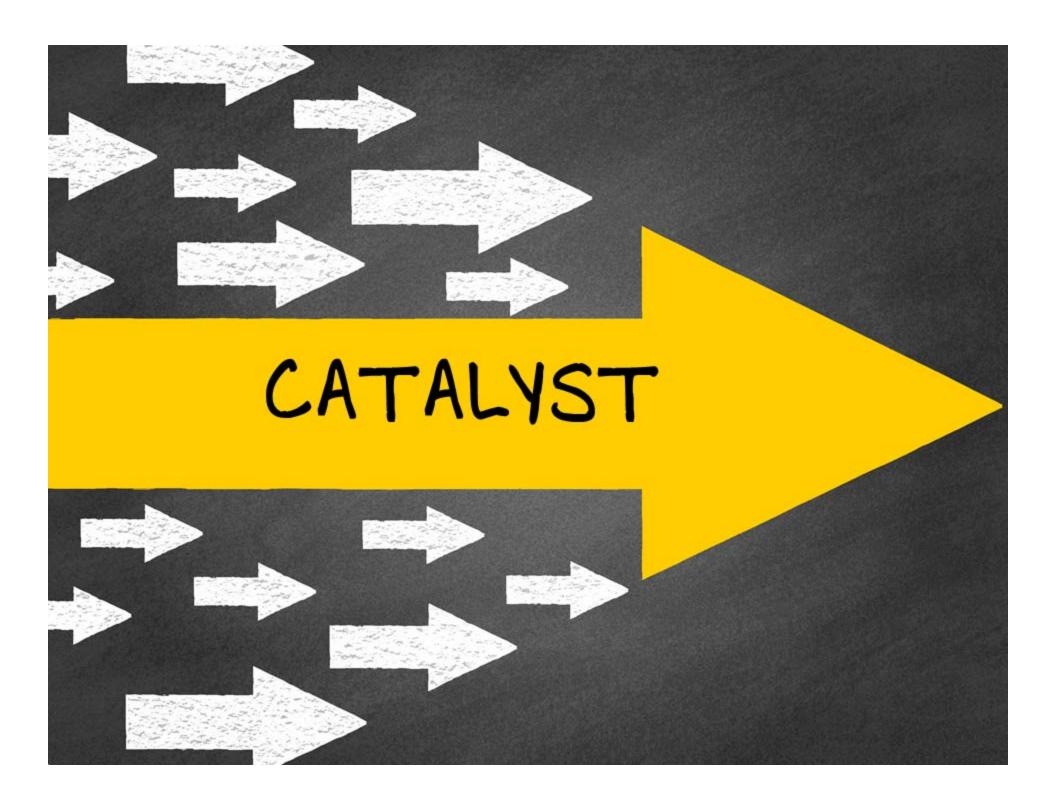
PROJECT CONCEPT: CSX URBAN RAIL

2017 CAPITAL COST BREAKDOWN



Estimates are calculated in 2017 dollars and do not include inflation or financing. These are planning level cost estimates that are subject to change as the project moves towards implementation.





I-275 SHOULDER RUNNING RUBBER TIRE			CSX URBAN RAIL
COMPETETIVE FOR FEDERAL & STATE FUNDS		YES	YES
COST PER TRIP	_	\$8-\$10	\$11-\$13
TOTAL CAPITAL COST	CATALYST	\$380M - \$455M	\$490M - \$620M
RIGHT-OF-WAY NEEDED	CAT	NO (EXCEPT FOR STATIONS)	YES (CSX CORRIDOR)
TIME TO CONSTRUCT		~5 YRS	~10 YRS"

^{*}NOTE: Would be impacted by interstate modernization plans



^{**}NOTE: Would require negotiations with CSX

Estimates are calculated in 2017 dollars and do not include inflation or financing. These are planning level cost estimates that are subject to change as the project moves towards implementation.

I-275 SHOULDER RUNNING RUBBER TIRE CSX URBAN RAIL				
LENGTH	41 MILES, 3 COUNTIES	9 MILES, 1 COUNTY		
2017 CAPITAL COST PER MILE	\$9.3M - \$11.1M PER MILE	\$54.4M - \$68.9M PER MILE		
ANNUAL LOCAL OPERATIONS & MAINT.	\$7M	\$12M		
2017 JOBS (Jobs within ½ mile of project)	83,500	42,300		
2017 POPULATION (Households within ½ mile of project)	65,000	34,800		

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INVEST IN THE FUTURE



Source: 2GetThere



SUPPORTS AND NEEDS SUPPORT FROM LOCAL SERVICES AND PLANS

- PSTA Central Avenue BRT
- City of Tampa Streetcar Extension and Modernization
- USF and Westshore Circulators
- Wesley Chapel, USF, Tampa, Westshore, Gateway, and St. Petersburg Intermodal Centers Study





SCHEDULE

- Community vetting of Draft Plan
- Incorporate public comment to finalize Plan

Spring/Summer '18

Summer/Fall '18



GET INVOLVED

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WATCH OUR VIDEO: TRANSIT MODES

This video highlights the transit modes being considered for the Regional Transit Feasibility Plan. They include rubber tire, steel wheel, water, air, and autonomous solutions!

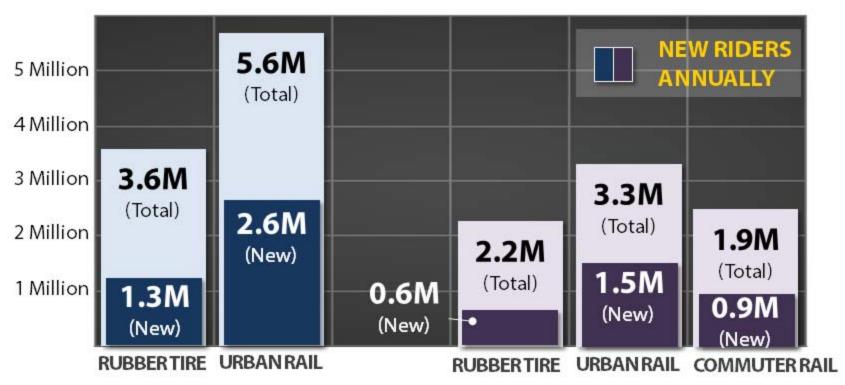
Check it out here!



2017 TOTAL AND NEW RIDERS ANNUALLY

Using FTA STOPS model by mode

(Source: FTA STOPS model, total ridership weighted per FTA guidance)



I-275

Not Final Recommendations

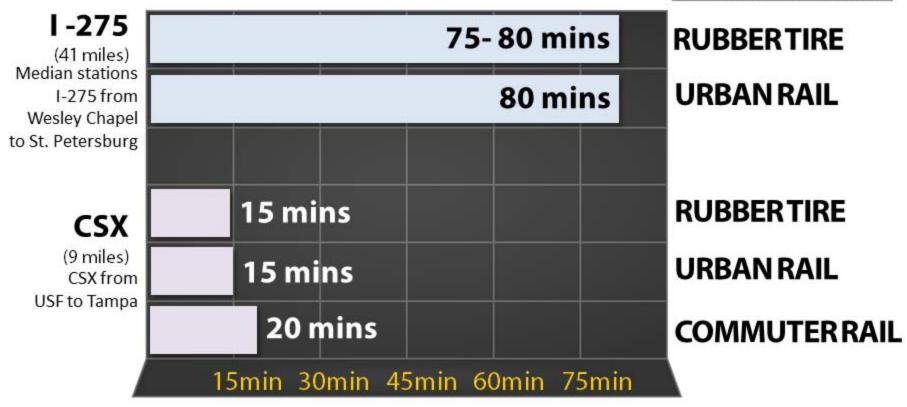
CSX



TRAVEL TIME

Assumes service arrives every 15 minutes during peak commuter periods

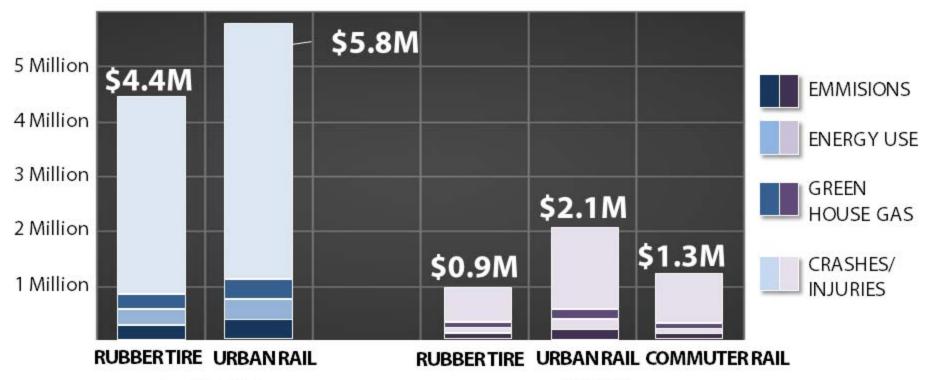
Not Final Recommendations



2017 GROSS PROJECT BENEFITS ANNUALLY(ROI):

Using FTA STOPS model by mode

(Source: FTA STOPS model and VMT Reduction as a result of the project, does not include impact of project)



I-275

CSX

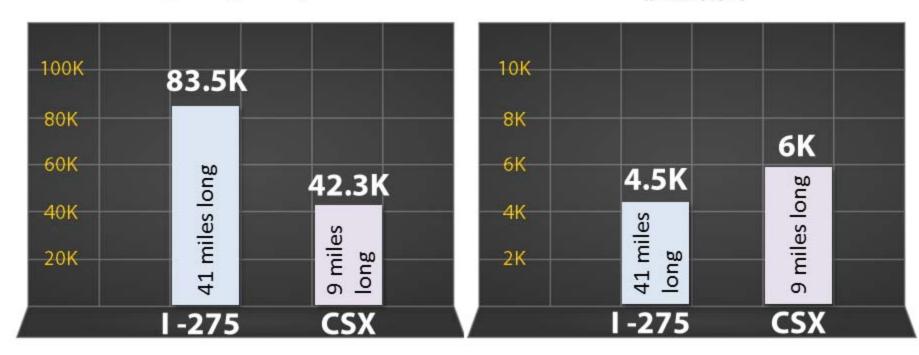


2017 EMPLOYMENT:

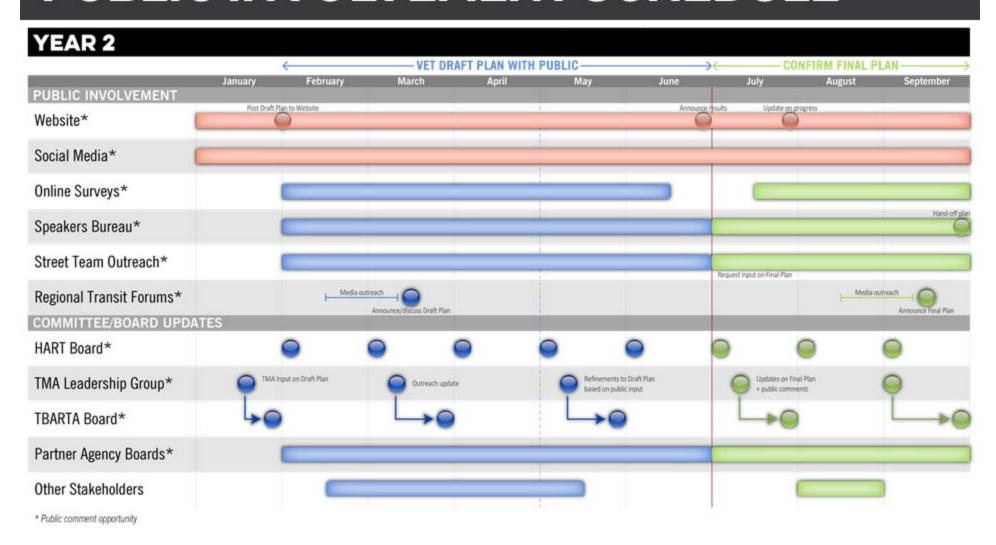
Total employees within ½ mile of corridor (Per FTA guidance)

2017 POPULATION DENSITY:

Station area population density (persons/sqmi)



PUBLIC INVOLVEMENT SCHEDULE



Draft - subject to change

