

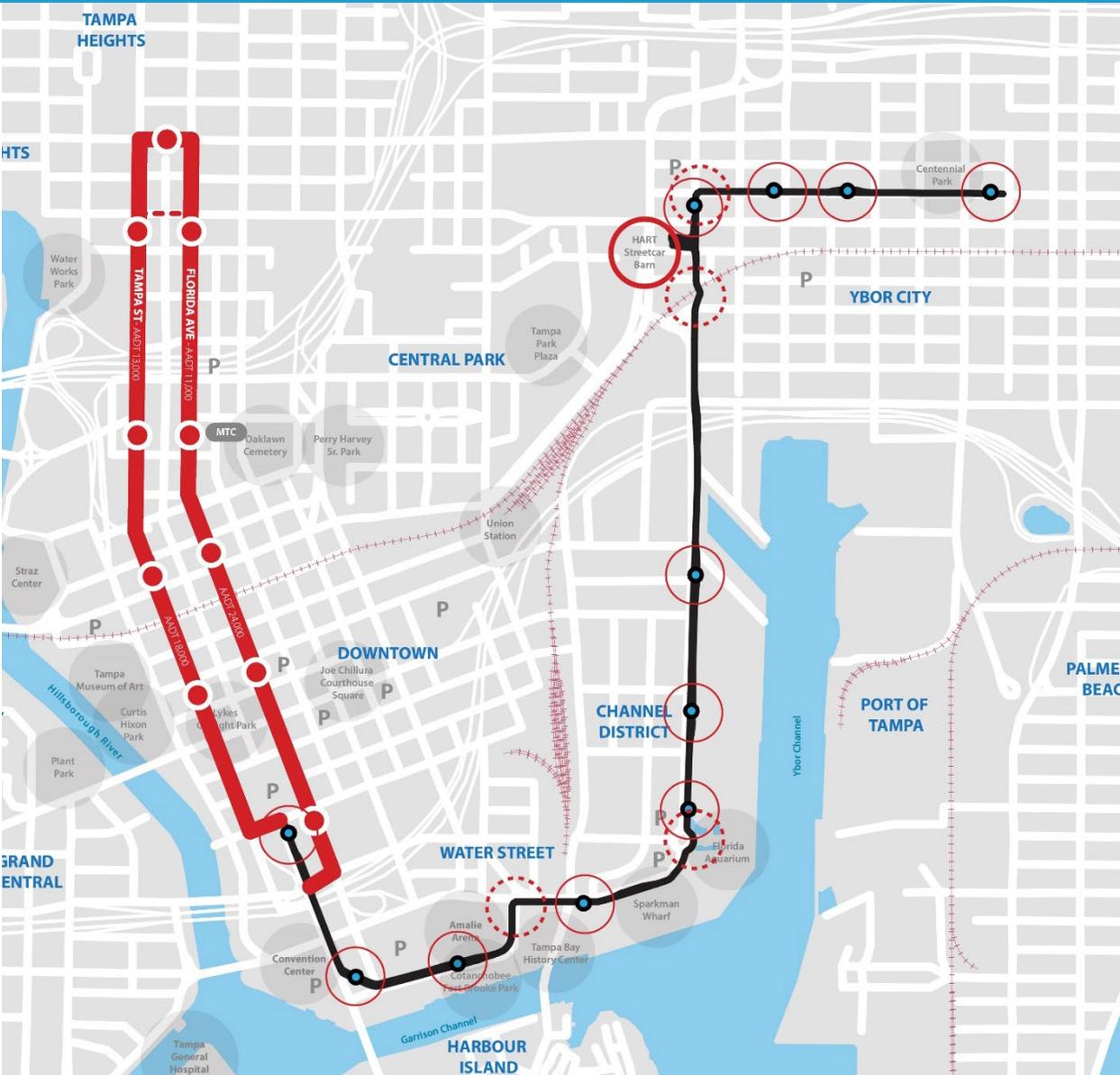
INVISION:   
TAMPA STREETCAR  
TRANSFORMING TAMPA'S TRANSIT

Project Recommendations  
**OPEN HOUSE**

The River Center @ Julian B. Lane Riverfront Park  
December 12, 2018



# GOALS FOR TONIGHT



## LEARN ABOUT THE PROJECT

- » Extension Alignment and Guideway
- » Station Locations and Concepts
- » Vehicle Technology
- » Modernization Improvements

## DISCUSS RECOMMENDATIONS

- » Review presentation and displays
- » Talk to team members
- » Share your thoughts and ideas

# Project Basics



Define an enhanced transit solution that supports the City's vision for a livable, connected, and competitive Downtown.

- » Define strategies for system modernization and extension.
- » Evaluate vehicle technologies, project costs, benefits, and impacts.
- » Closely coordinate with related planning efforts and initiatives.
- » Allow for future extensions to the system.
- » Engage the public and key stakeholders.

# SPONSORS & TEAM MEMBERS

A Joint Project Agreement between the City of Tampa and FDOT



STUDY SPONSOR



OWNER



OPERATOR



LEAD CONSULTANT

with Kimley-Horn & Associates, Inc.,  
B2 Communications, Boothe Transit  
Consulting and others.

# PROJECT STATUS

## PHASE 1 - PROJECT FEASIBILITY

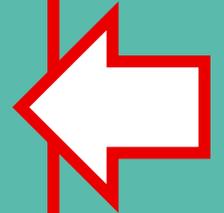
Spring 2017 to Summer 2018

- » Context & Assessment
- » Public Outreach
- » Purpose & Need
- » Alignment Evaluation
- » Preferred Alignment & Modernization
- » Funding & Implementation
- » Request to FTA for Entry into Project Development

## PHASE 2 - PROJECT DEVELOPMENT

Summer 2018 to Summer 2019

- » Alignment Planning & Design
- » System Modernization
- » Transit Technology Evaluation
- » Public Outreach
- » Costs & Ridership
- » Impact Assessment
- » Funding & Implementation



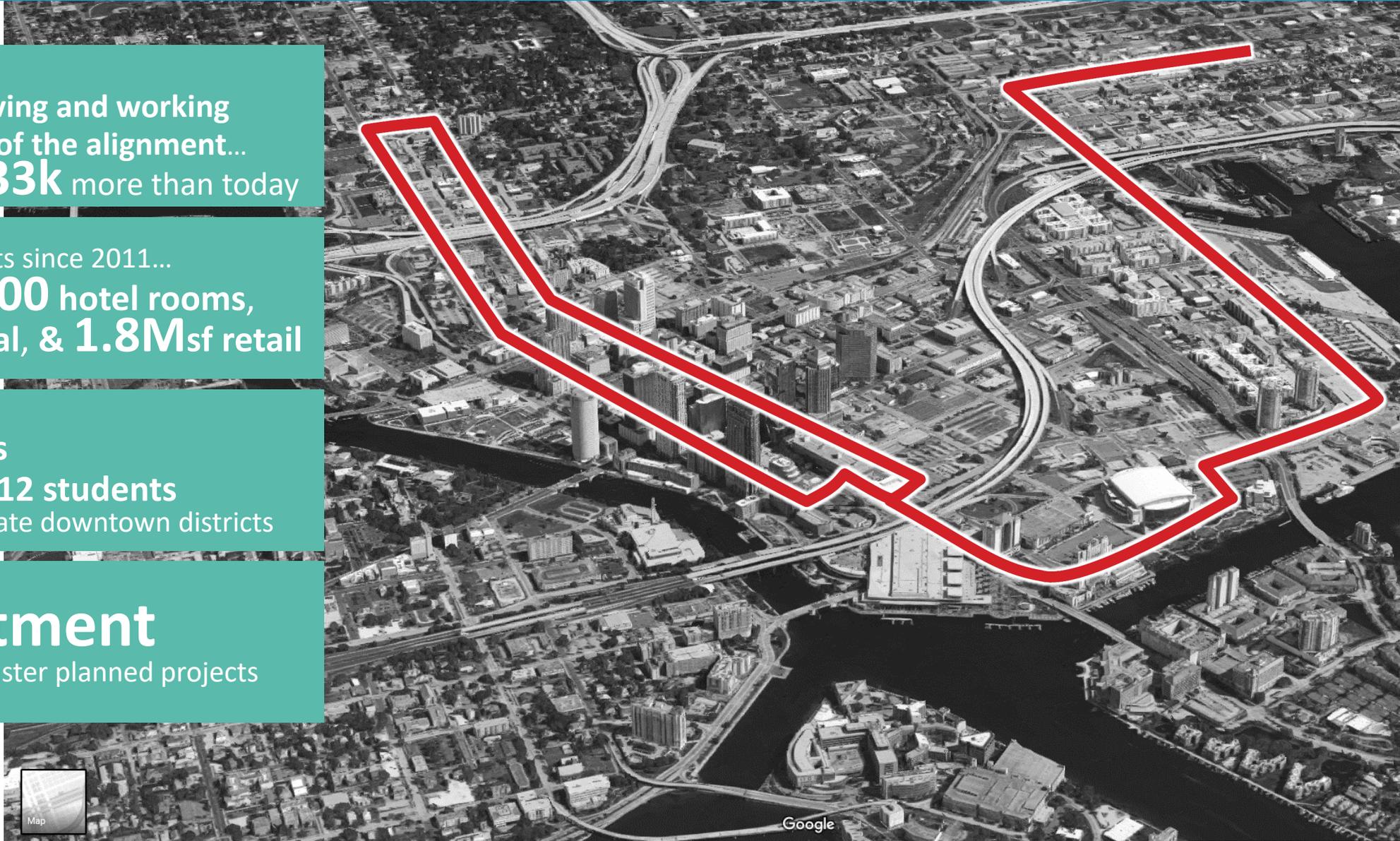
# CONTEXT

by 2040, **100k** people living and working  
in walking distance of the alignment...  
**33k** more than today

completed & planned projects since 2011...  
**15k** residences, **2,100** hotel rooms,  
**3Msf** commercial, & **1.8Msf** retail

**100k** weekly visitors  
**26k** post K-12 students  
activate downtown districts

**>\$6B investment**  
in 5 master planned projects



# PURPOSE & NEED

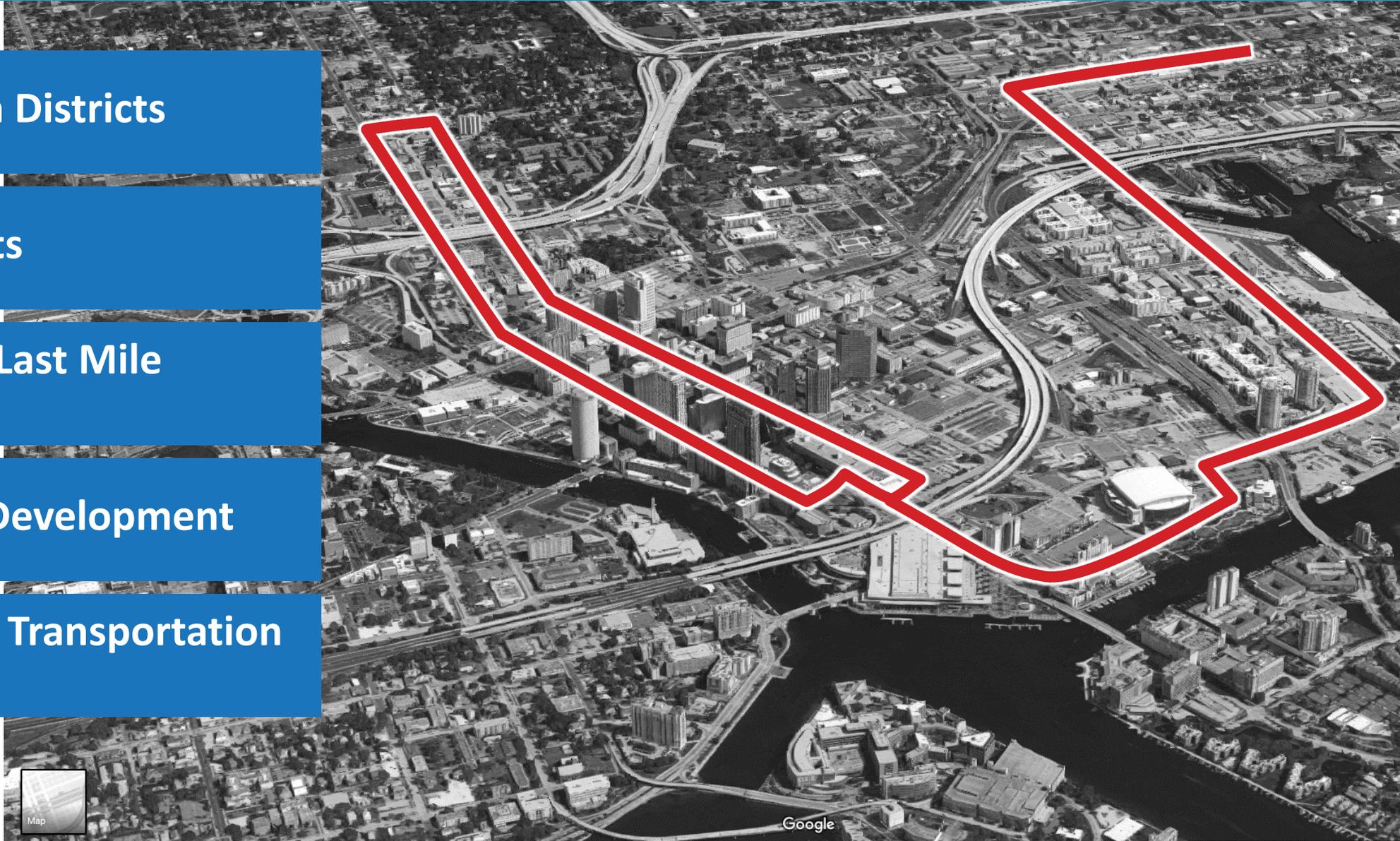
Connect Downtown Districts

Serve Travel Markets

Improve First Mile/Last Mile Connections

Support Economic Development

Expand Sustainable Transportation Options



# PHASE 1 - CORRIDOR SELECTION

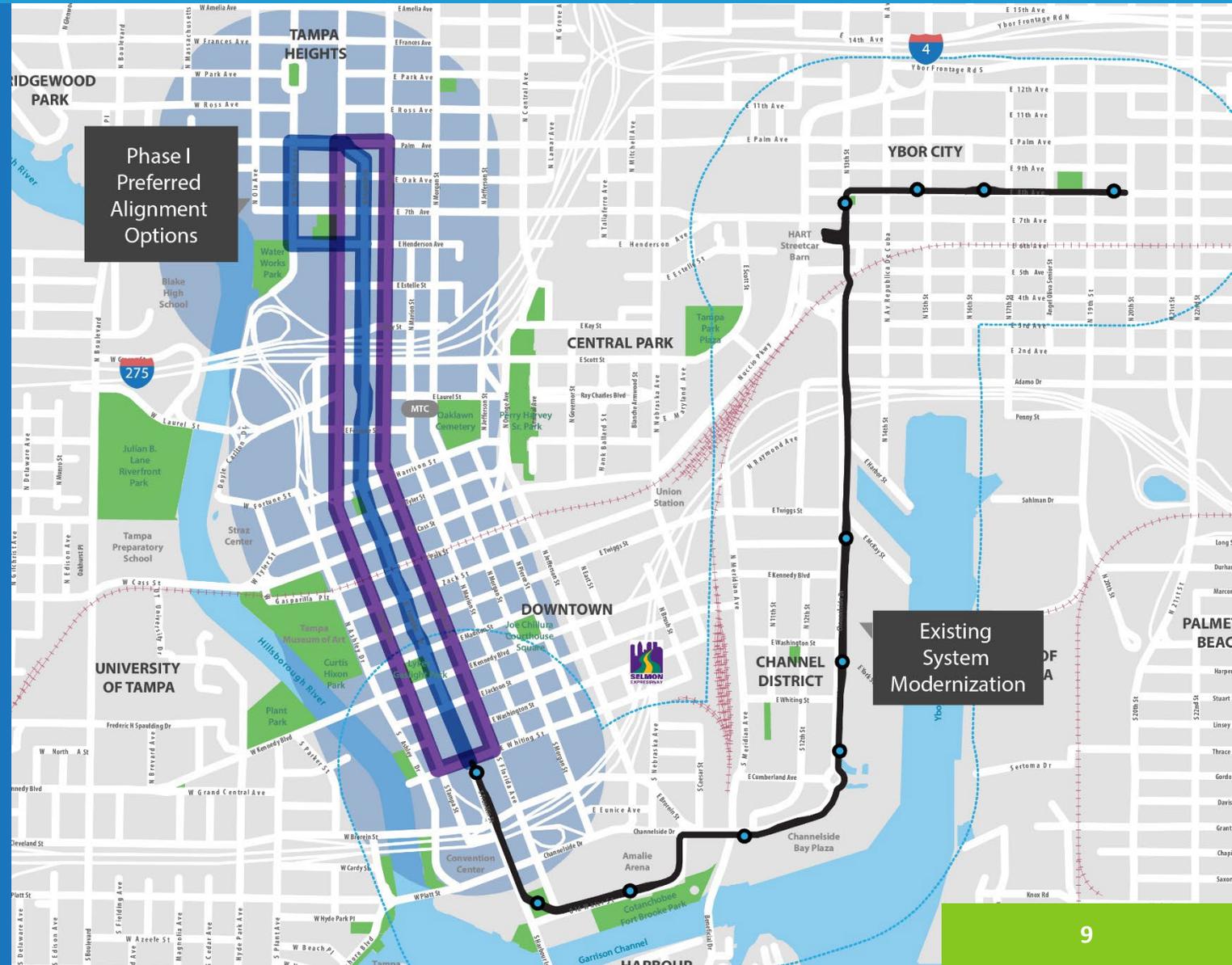
## SELECTED EXTENSION OPTION

- » 1.3 mile through Downtown Core
- » Serves 16,000 jobs and 5,500 residents (extension only)
- » Links to local and regional transit
- » Connects key destinations and venues
- » Cost: \$99.7 - \$102.6 Million\*

## SYSTEM MODERNIZATION

- » Conversion for modern streetcar vehicles
- » Upgrades track and stations
- » Improved service and extended hours
- » Expand HART Streetcar Barn
- » Cost: \$69.6 Million\*

\* costs are in 2017 dollars and assume modern streetcar technology



# Extension Alignment & Guideway

# ALIGNMENT OBJECTIVES



## High Quality, Accessible Service

- » One-seat trip from end to end
- » High capacity vehicles
- » Full day, frequent service
- » Quality stops with level boarding
- » Design guideway and stops for use by other transit vehicles

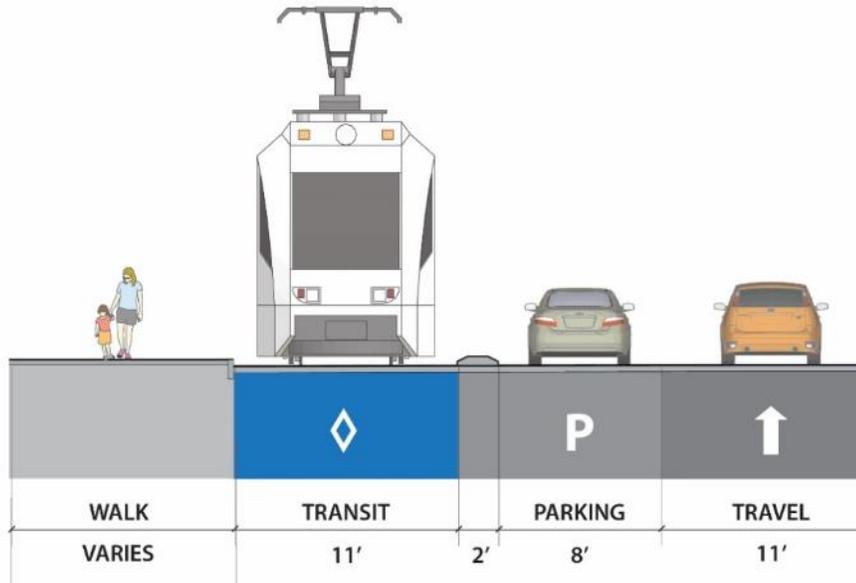
## Maximize Exclusive Guideway Operations

- » Avoid congestion (maximum travel time reliability)
- » Avoid parking and turning queue conflicts

## Minimize Impacts

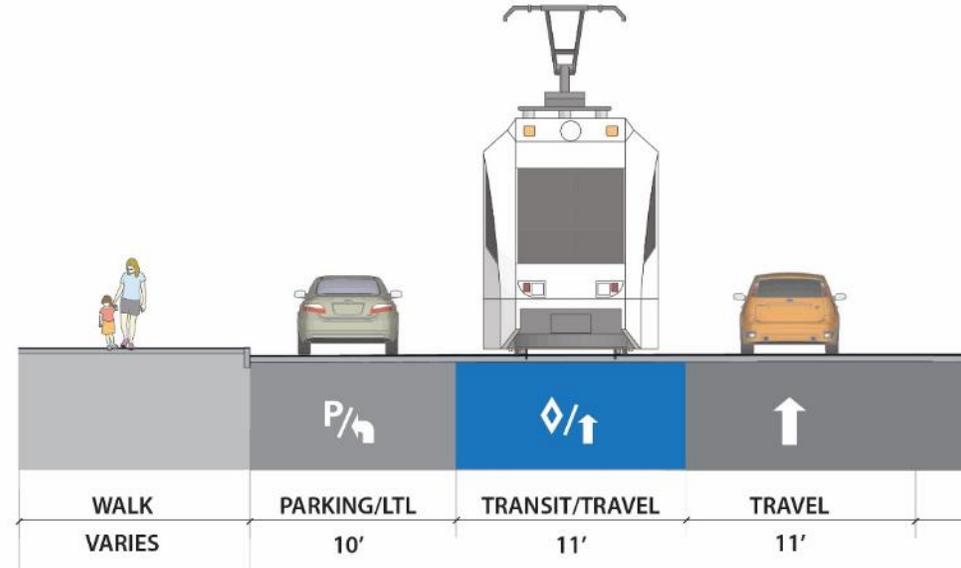
- » Maintain roadway capacity
- » Minimize parking impacts
- » Minimize impacts on sidewalks and public spaces

# GUIDEWAY OPTIONS



## Exclusive Transit Lane

- » Bypasses corridor congestion
- » Limits potential for blocked guideway
- » Displaces parking & bike lanes
- » Potential for shared transit use & right side stops

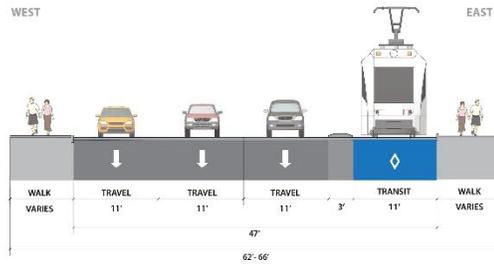


## Shared Lane

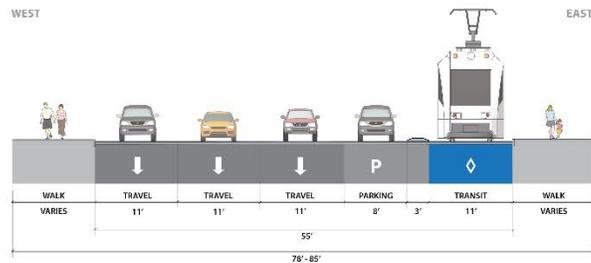
- » Impacted by corridor congestion
- » Minimal impact on parking & bike lanes
- » Potential for blocked guideway
- » Right side stops on right side only

# ALIGNMENT/GUIDEWAY RECOMMENDATIONS

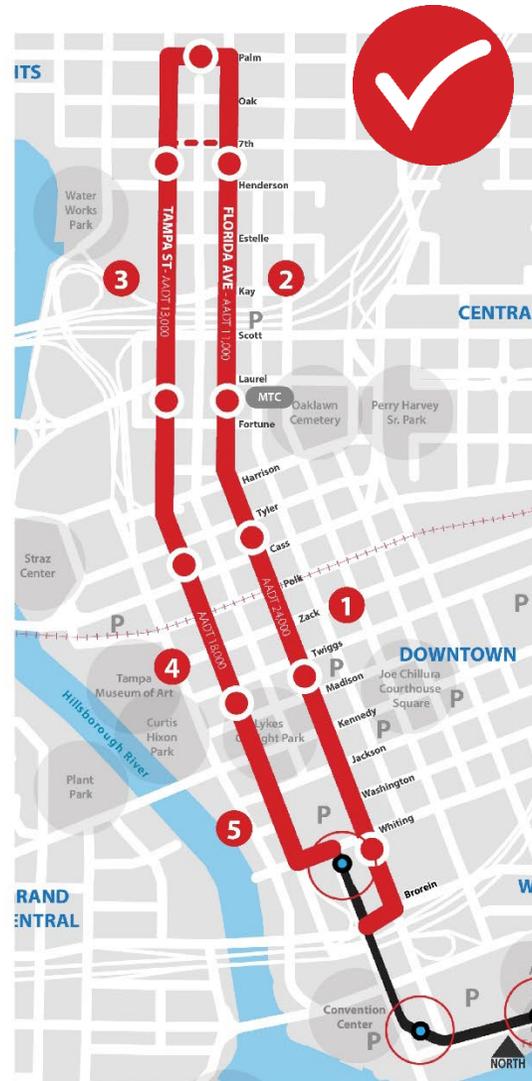
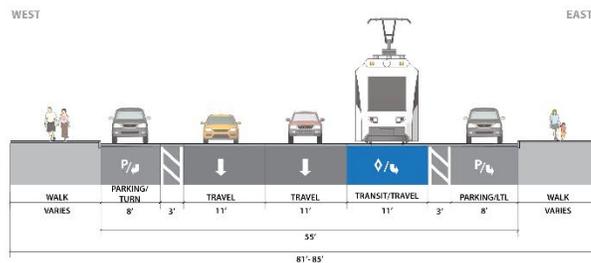
**3** Tampa Street from Palm Avenue to Tyler Street  
 East Side Running in Exclusive **Transit Lane**



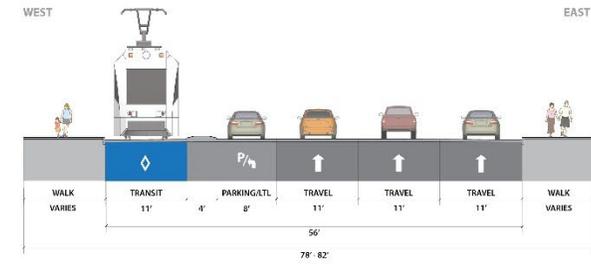
**4** Tampa Street from Tyler Street to Kennedy Boulevard  
 East Side Running in Exclusive **Transit Lane**



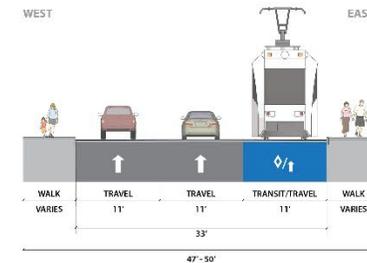
**5** Tampa Street from Kennedy Boulevard to Whiting Street  
 East Side Running in **Shared Lane**



**1** Florida Avenue from Brorein Street to Harrison Street  
 West Side Running in Exclusive **Transit Lane**



**2** Florida Avenue from Harrison Street to Palm Avenue  
 East Side Running in **Shared Lane**



## RECOMMENDED GUIDEWAY NOTES

- » All typical sections are within existing right-of-way.
- » Franklin Street alignment is not recommended.

# Station Location & Concepts

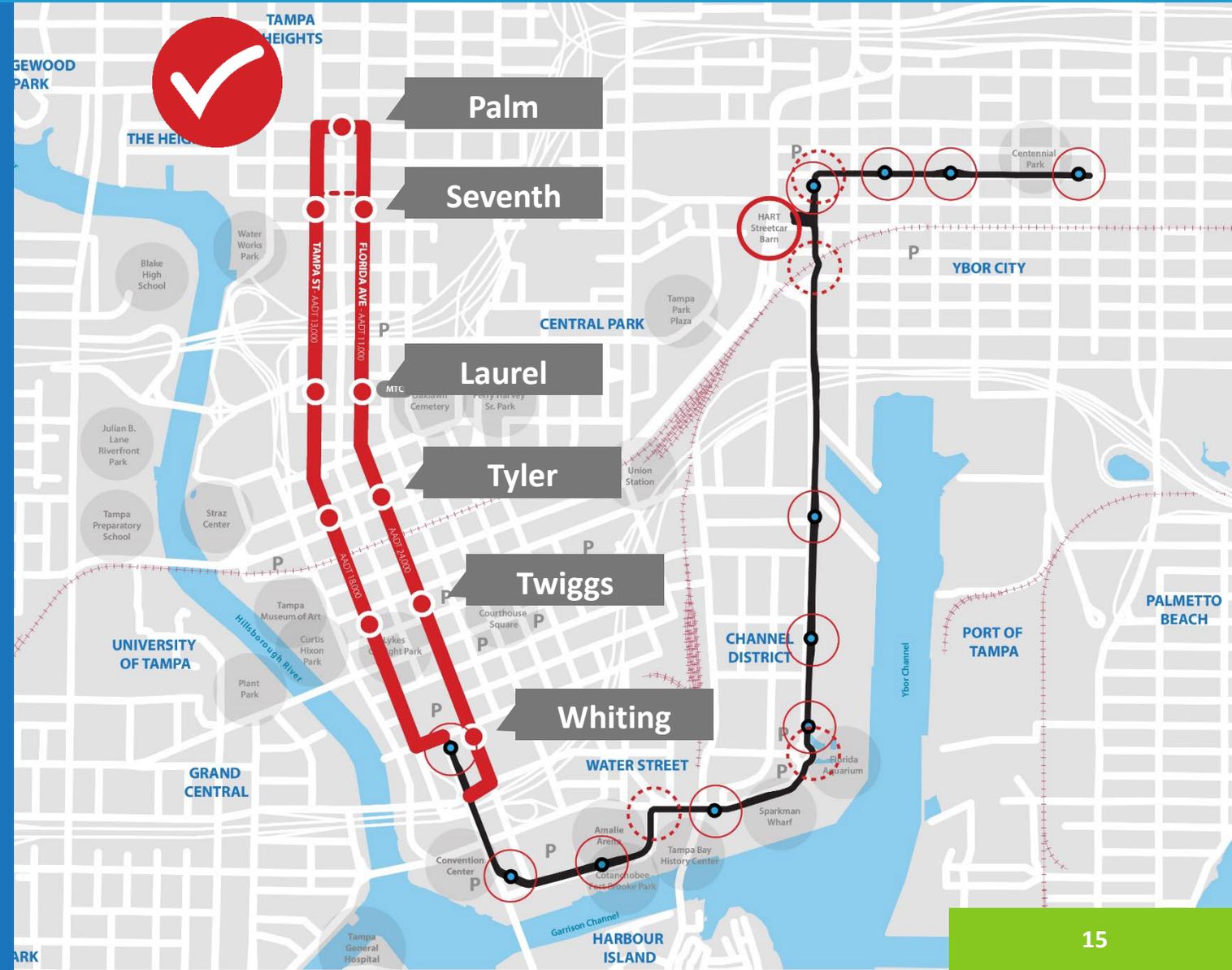
# STOP LOCATIONS & CONCEPTS

## LOCATIONS

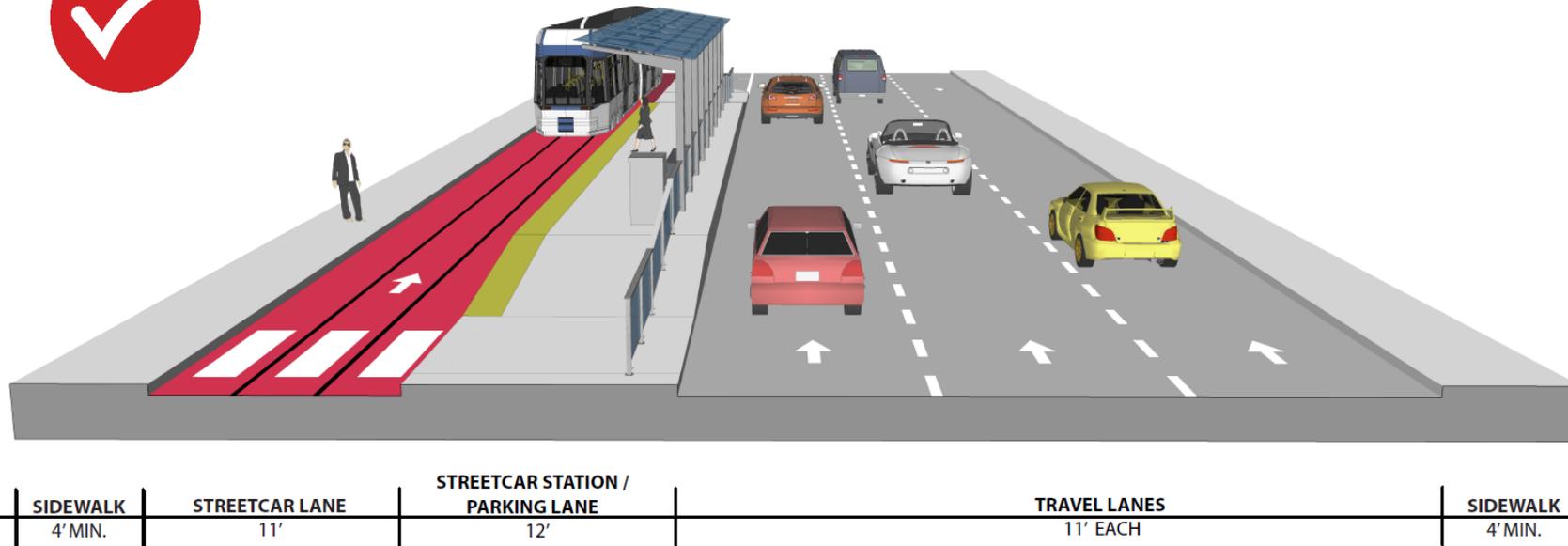
- » Every 4-5 blocks
- » Easy walking distance to destinations

## STOP DESIGN CONCEPTS

- » Raised platform for level boarding
- » Shelter, seating, and lighting
- » Located to minimize impact on sidewalks
- » Designed for sharing with buses and other transit vehicles
- » Existing stops upgraded to meet new standards



# STOP LOCATIONS & CONCEPTS



Examples from Kansas City, Missouri

## Streetcar Stop in Parking Lane

- » Transit guideway along curb line
- » Stop located in parking lane
- » No right-of-way required along sidewalk
- » Can be shared with buses (right side stops)

# Vehicle Technology

# VEHICLE TECHNOLOGY



Replica Streetcar



Premium Bus



Modern Streetcar

## Assessment Factors

Vehicle Operations & Costs

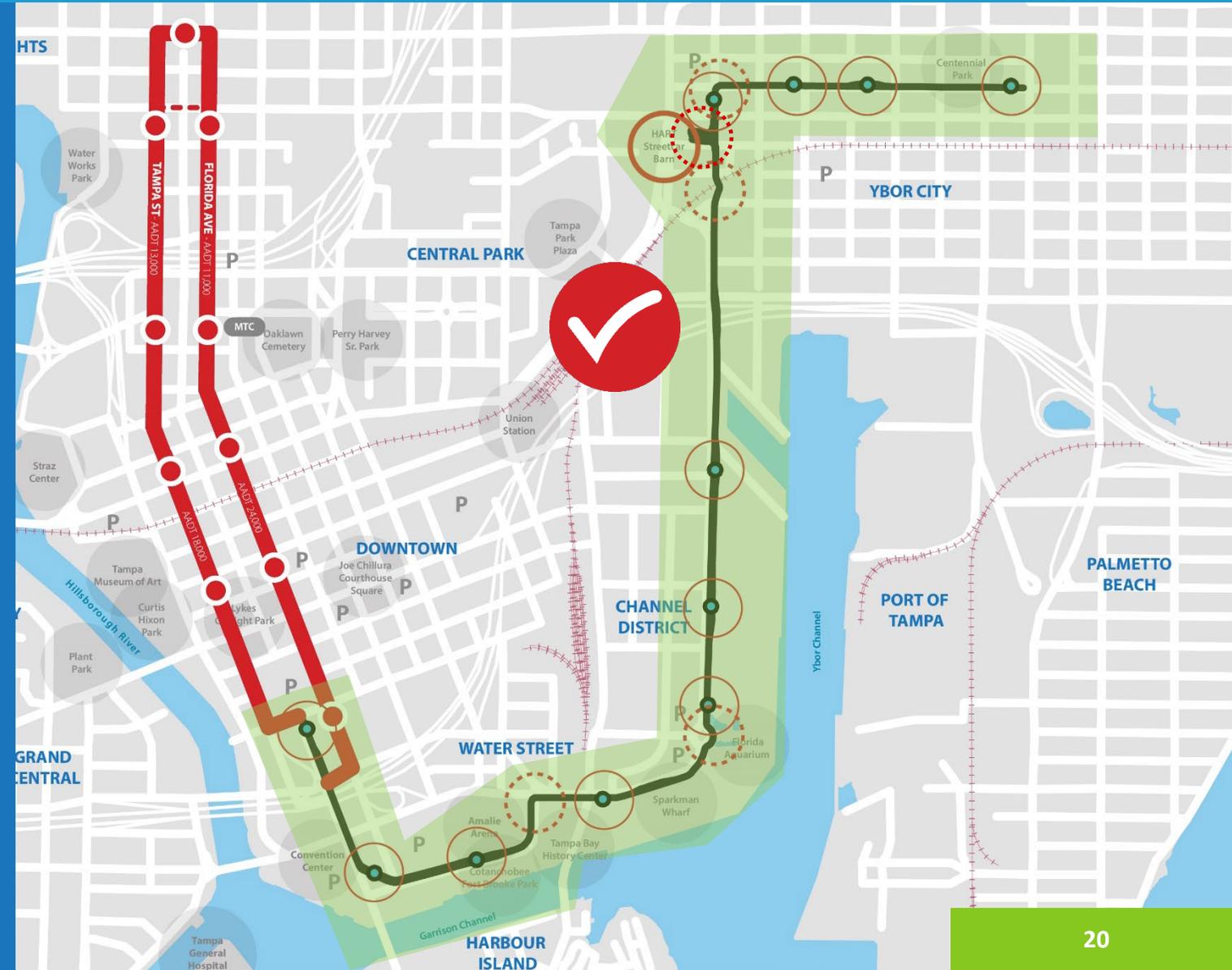
Rider Experience

Economic Development Impact

# Modernization Concepts

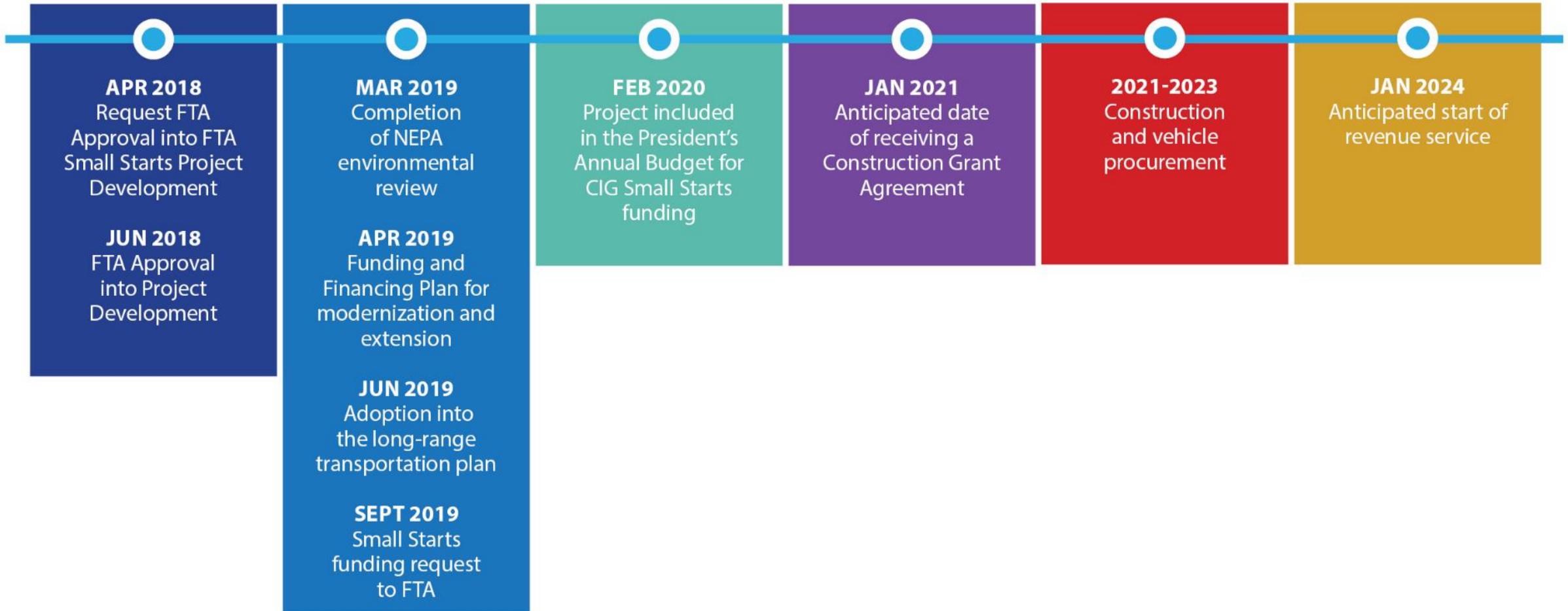
# SYSTEM MODERNIZATION

-  **TRACK RECONSTRUCTION**
  - » Reconstruct track to increase radius at tight corners
-  **STATION IMPROVEMENTS**
  - » Removal of high block for ADA access
  - » Platform reconstruction and lengthening
-  **STREETCAR BARN EXPANSION**
  - » Expansion required to fit modern streetcar vehicles and maintenance equipment
  - » Preliminary analysis is positive



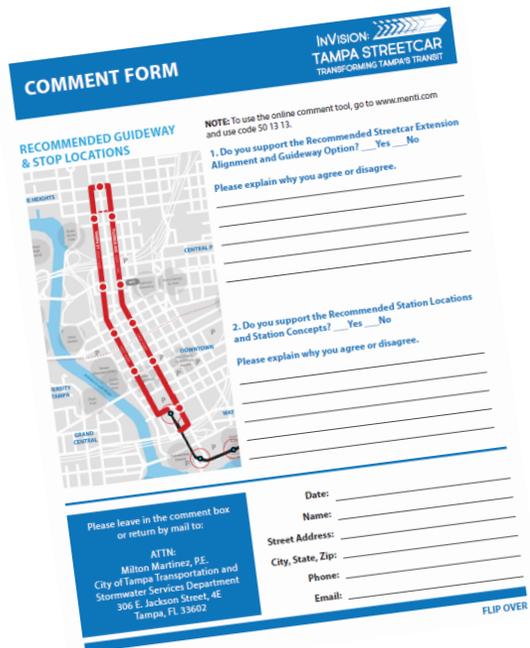
# Next Steps

# NEXT STEPS - SCHEDULE



# Open House

## Complete a Comment Sheet



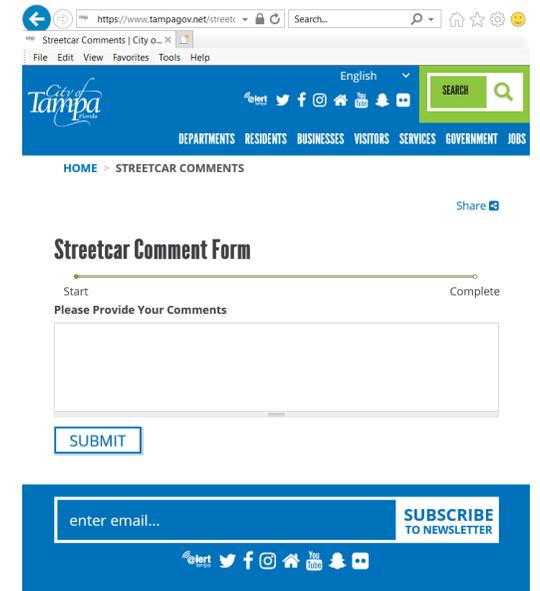
## Comment on a Smartboard



## Access the Menti Questionnaire



## after the Open House... Submit Comments on the Project Web Page



# THANK YOU!

<http://www.tampagov.net/streetcar>  
[streetcar@tampagov.net](mailto:streetcar@tampagov.net)

