



THE FUTURE OF  
TRANSPORTATION

# Welcome

Downtown Tampa / East Tampa Community Working Group  
September 25, 2017

Tina Fischer

Collaborative Labs

St. Petersburg College



# Welcome to those viewing by webinar

## LISTENING OPTIONS

- Your listening options are provided in the “Audio” pane of your Control Panel.
- Telephone (Phone number, access code, and audio pin provided under “Audio”)
- Computer or VoIP (Must have speakers)
- You will join the webinar in listen-only mode for the duration of the session



## **For those attending in-person**

- Please be considerate of web-viewers by limiting outside conversations and shuffling paper during the webinar.
- Place cell phones in quiet mode and leave the room to take calls.



# Our agenda this evening

- Tonight will include presentations about ongoing and upcoming activities from the Florida Department of Transportation (FDOT) District Seven, the Hillsborough County Metropolitan Planning Organization and an update on the Regional Transit Feasibility Plan.
- The first half of the meeting will be presentations that can be viewed online or in-person.
- The second half of the meeting will be breakout sessions with FDOT, Hillsborough County Metropolitan Planning Organization, HART and the Regional Transit Feasibility Plan for those who are attending in-person.



## **Questions Will Be Addressed During and After Breakout Sessions**

- We have a lot of information to share with you tonight. In order to get through all the presentations, we will address questions during the breakout sessions.
- FDOT leadership and staff will be available after the breakout sessions if you have additional questions or would like further discussion.



## Webinar Questions

- For those viewing online, please utilize the **chat bar** on the right side of your screen to send questions to the Tampa Bay Next team.
- Online questions will be collected and addressed by topic experts.
- Responses will be posted on TampaBayNext.com next week.
- An email notification will be sent to those registered online and those in the TampaBayNext outreach list once questions and responses have been posted.



# Real Time Record

- The Real Time Record will include the first half of tonight's agenda. Due to the format of the breakout sessions, all comments and discussions cannot be recorded.
- If you would like to have your comment included in the Real Time Record, please submit a written comment on one of the comment cards provided, submit your comment via TampaBayNext.com, or submit a comment via the webinar tonight.

TampaBayNext.com  
(813) 975-NEXT  
[TampaBayNext@dot.state.fl.us](mailto:TampaBayNext@dot.state.fl.us)

 TampaBayNext  @TampaBayNext



us

**Your input matters. Your ideas help  
shape the Tampa Bay Next program.**

Now on to our presentations





## FDOT District Seven

Bill Jones and Ed McKinney



# Welcome Elected Officials



# You Talked. We Listened.

## What you said you want to see:

- Hub System for Transit
- Multimodal Options
- Technology Solutions
- Neighborhood Preservation
- Prioritize Safety
- Education/Explain Transportation
- More Online & Recorded Meetings
- Intermodal Center Study
- Funding Next Phase of Project Development for RTFP
- Formed Tech Team; Working with City and County to Maximize Existing Pavement
- Advanced the Heights Study; Created New Downtown Interchange Concepts
- Complete Streets; Working on Improved Road Geometry; Tech Solutions to Enhance Safety
- Developed Citizens Transportation Academy
- Utilizing Webinars and Posting Recordings Online



Embrace collaboration and innovation

Prepare for the future

Modernize infrastructure

**Tampa Bay Next  
is a program and  
process of working with  
the community to come  
up with an action plan  
for transportation.**



# Tonight's Topics

- Howard Frankland Bridge Project
- Operational Improvements for SR 60/Veterans Expressway Southbound
- Operational Improvements to I-275
- Westshore Interchange Reconstruction Concept (SEIS)





## HOWARD FRANKLAND BRIDGE DESIGN UPDATES

You talked. We listened.

**The community has made it  
clear that they want:**

- ◆ **infrastructure that can accommodate transit,**  
with flexibility across modes
- ◆ **safety to be a top priority,** including **incident management** and **evacuation preparedness**
- ◆ **transportation improvements that anticipate future demand** and are **cost effective**
- ◆ **more bicycle and pedestrian options** across the entire region

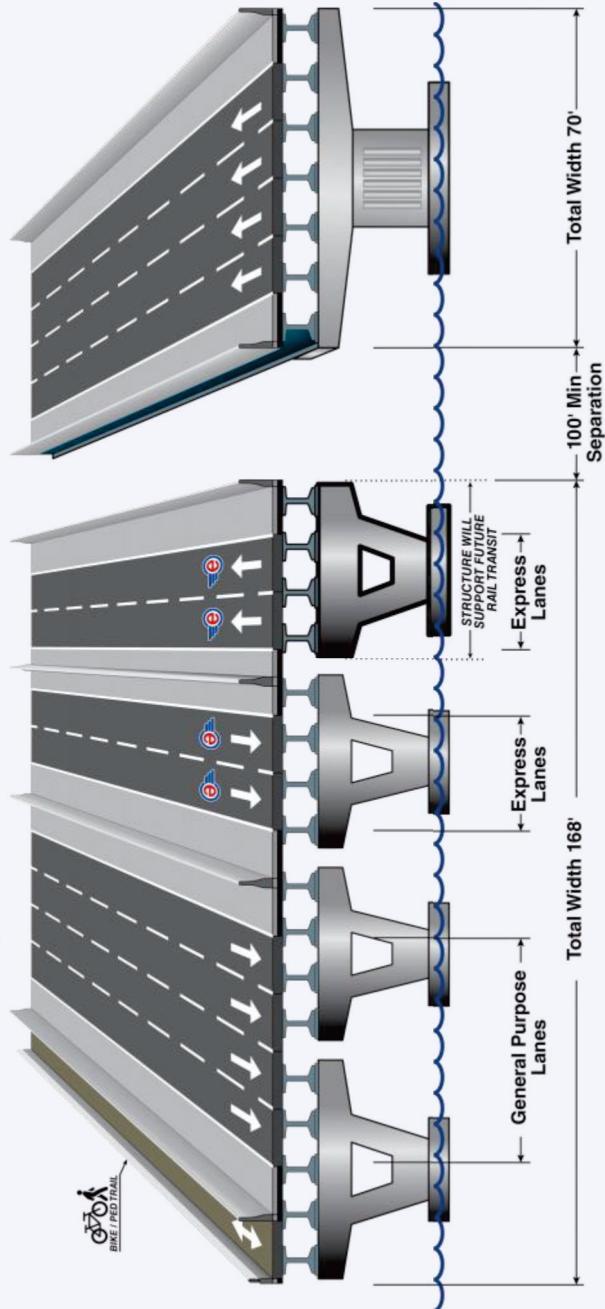


## Howard Frankland Bridge

**Howard Frankland Bridge**  
**This is what we are proposing to build in 2020.**

New Bridge with Bike/Ped Trail on the Outside and  
2 Express Lanes in each Direction

Existing Southbound  
Converts to Northbound

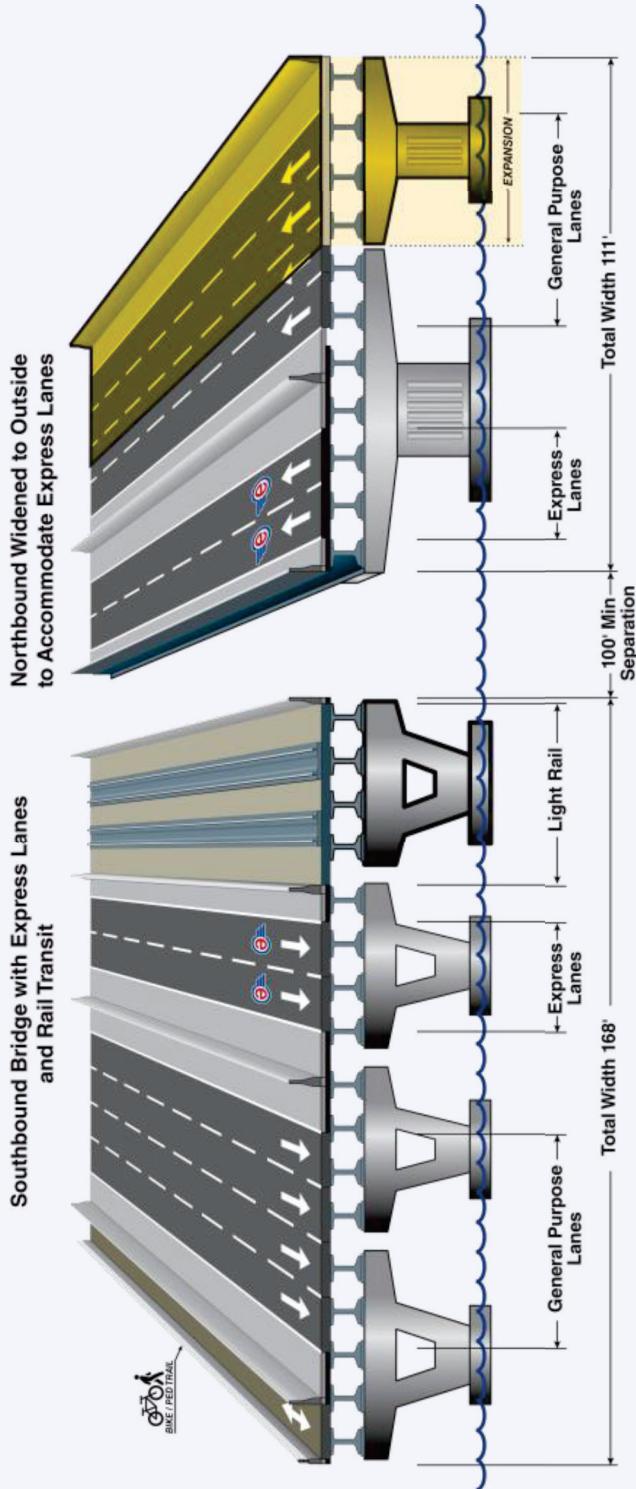


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**FDOT**

# Howard Frankland Bridge

**Howard Frankland Bridge**  
**This is how we would accommodate rail transit in the future.**



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## New Design Benefits

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- Improves **incident management** and **hurricane evacuation**
- Improves operations of **Express Bus Service** and accommodates **future transit**
- Includes **bicycle/pedestrian trail**
- **Eliminates the need** for a third bridge
- Accommodates **future demand**
- Prepares bridge for **autonomous vehicles**

Howard Frankland Bridge

# HOWARD FRANKLAND BRIDGE

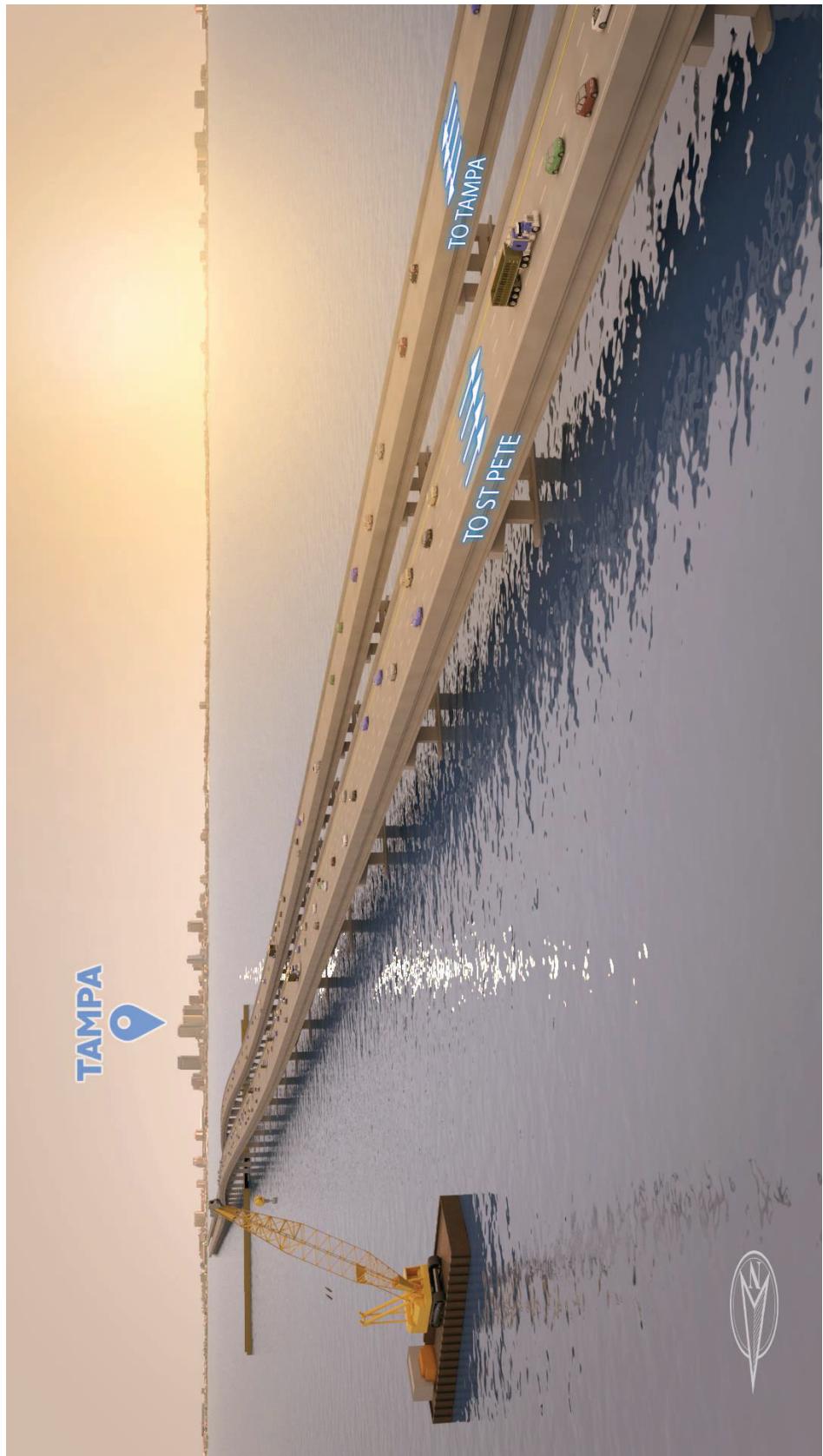
Construction Sequence for 2020

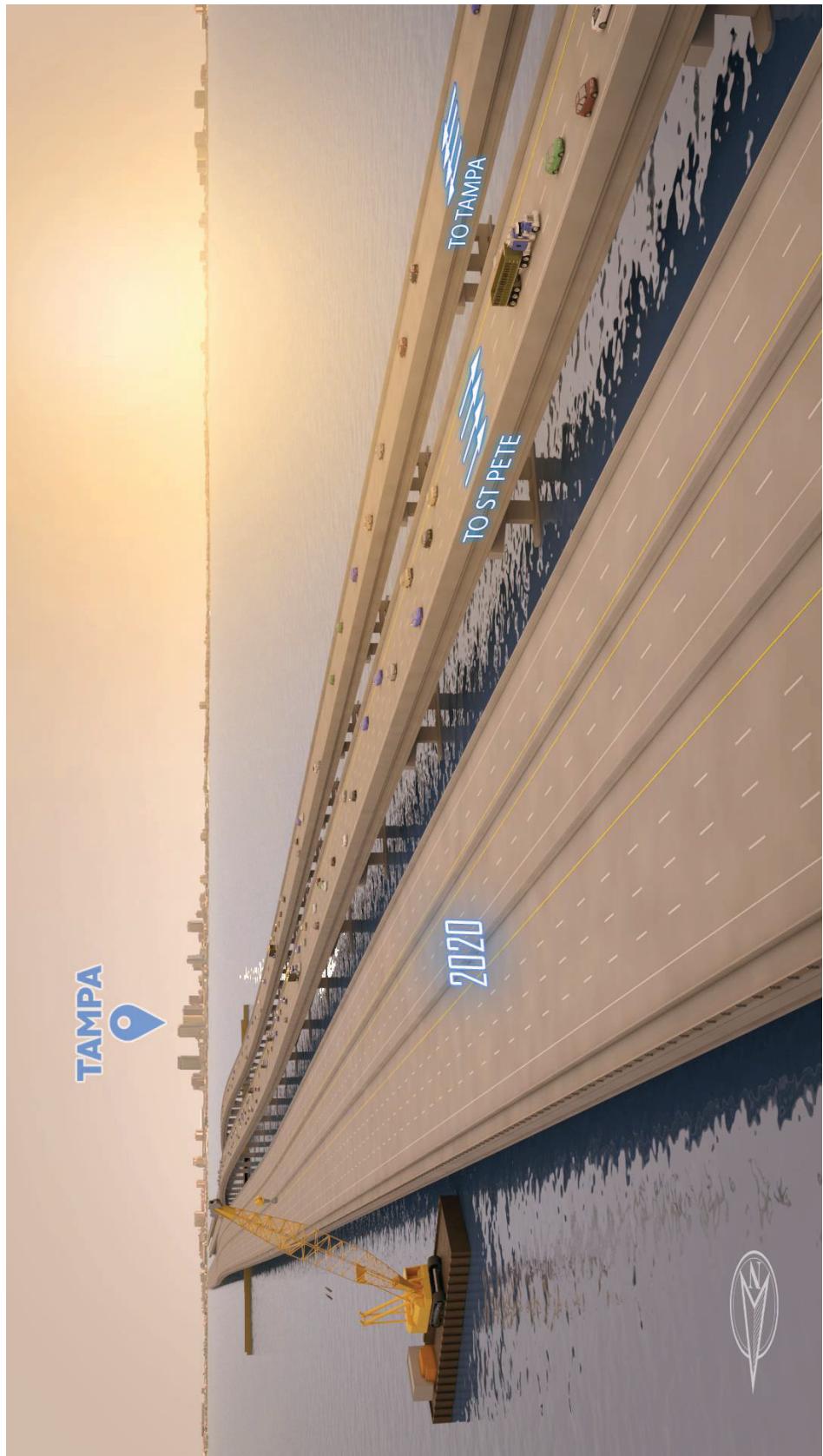


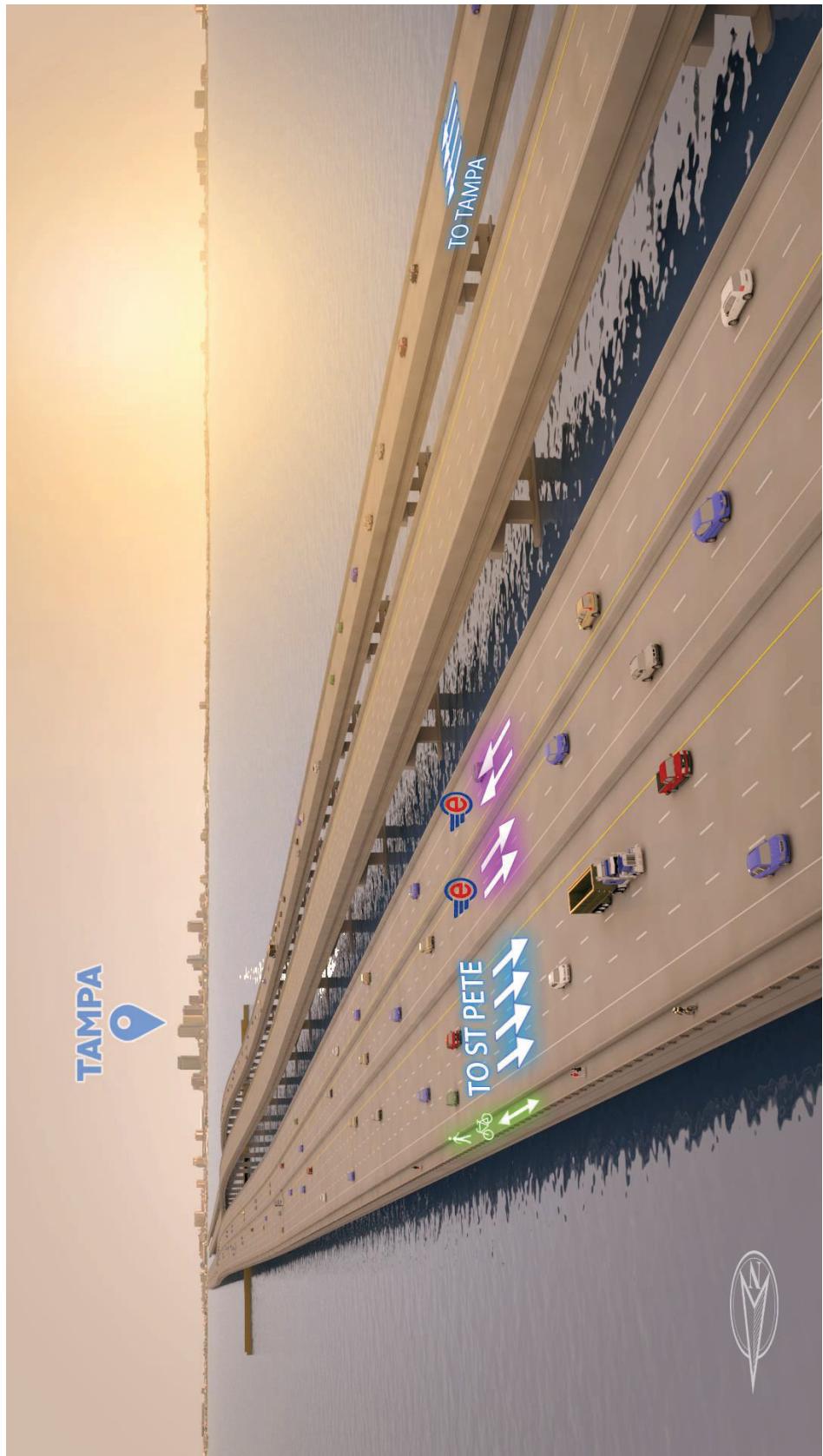


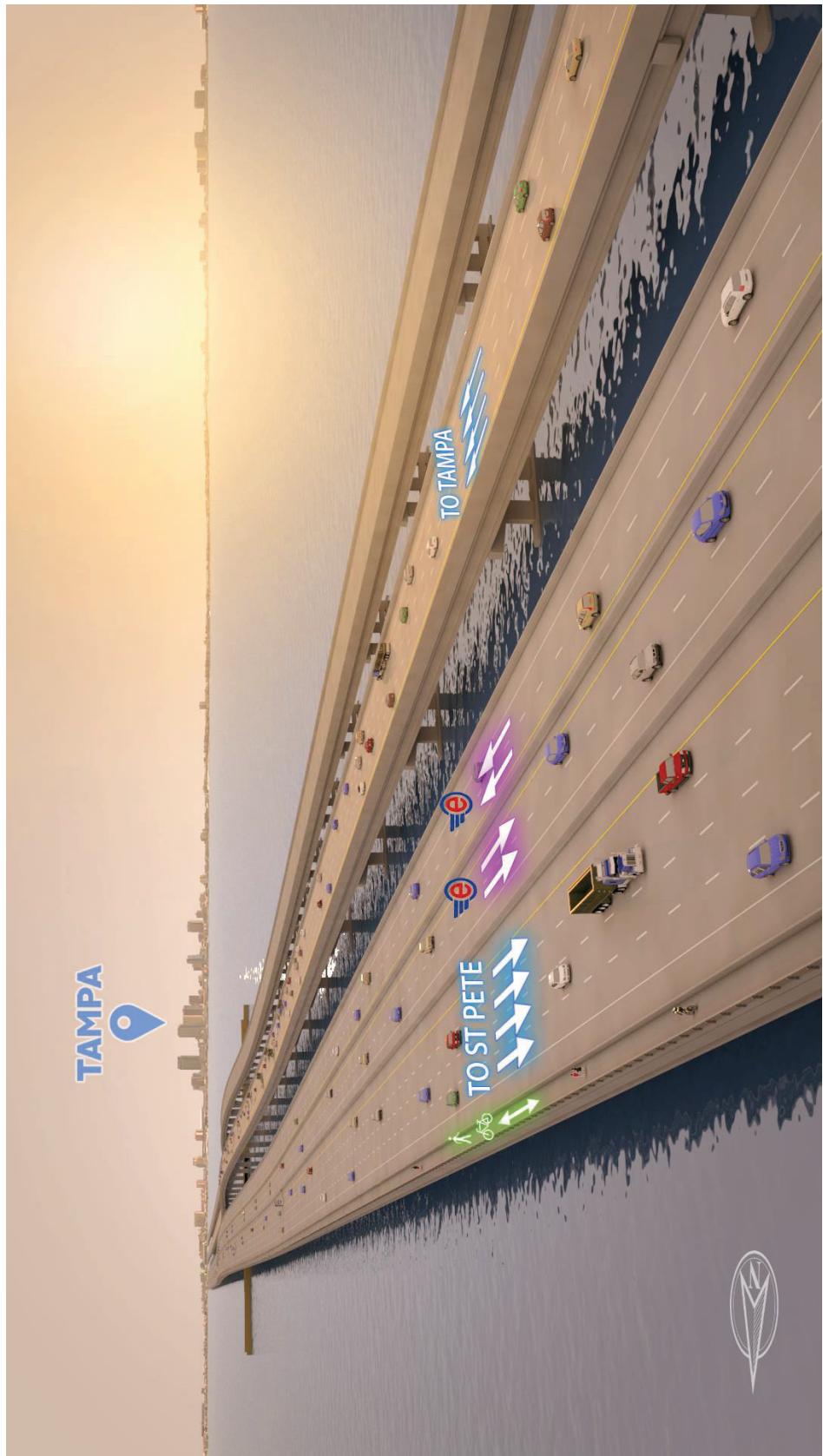


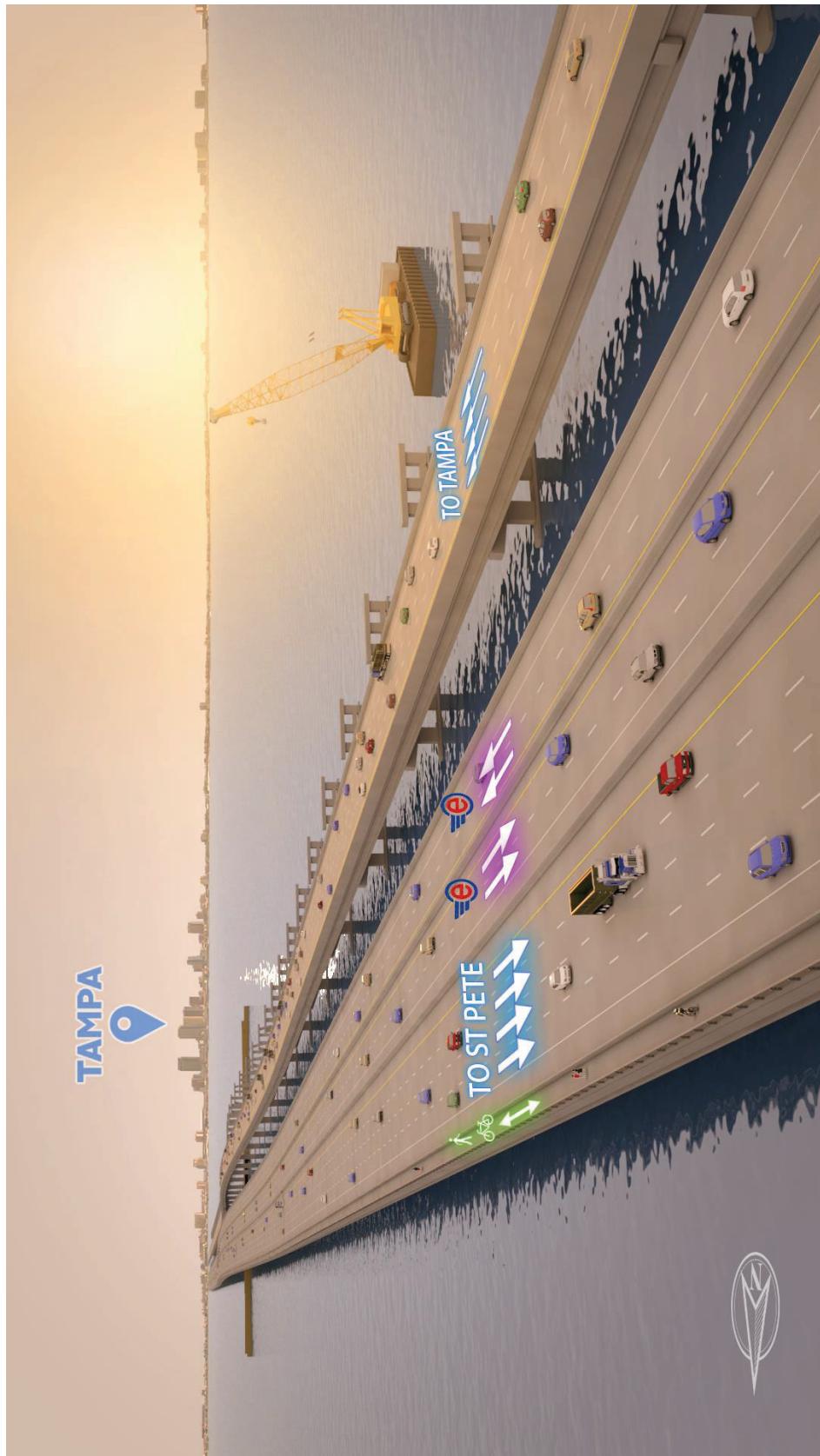
TAMPA  

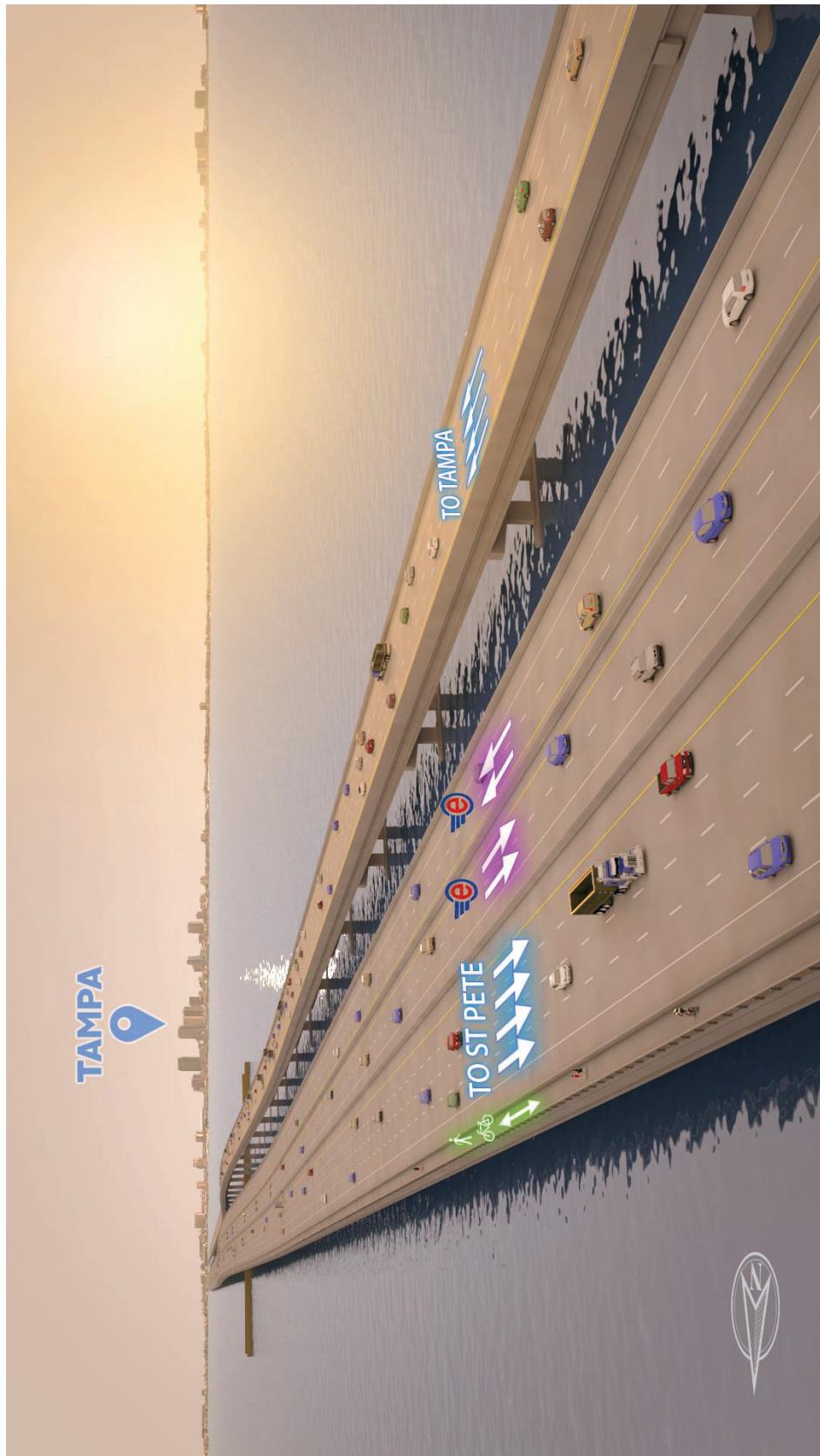















**SOUTHBOUND SR 60/VETERANS EXPRESSWAY  
OPERATIONAL IMPROVEMENTS**

## Project Overview

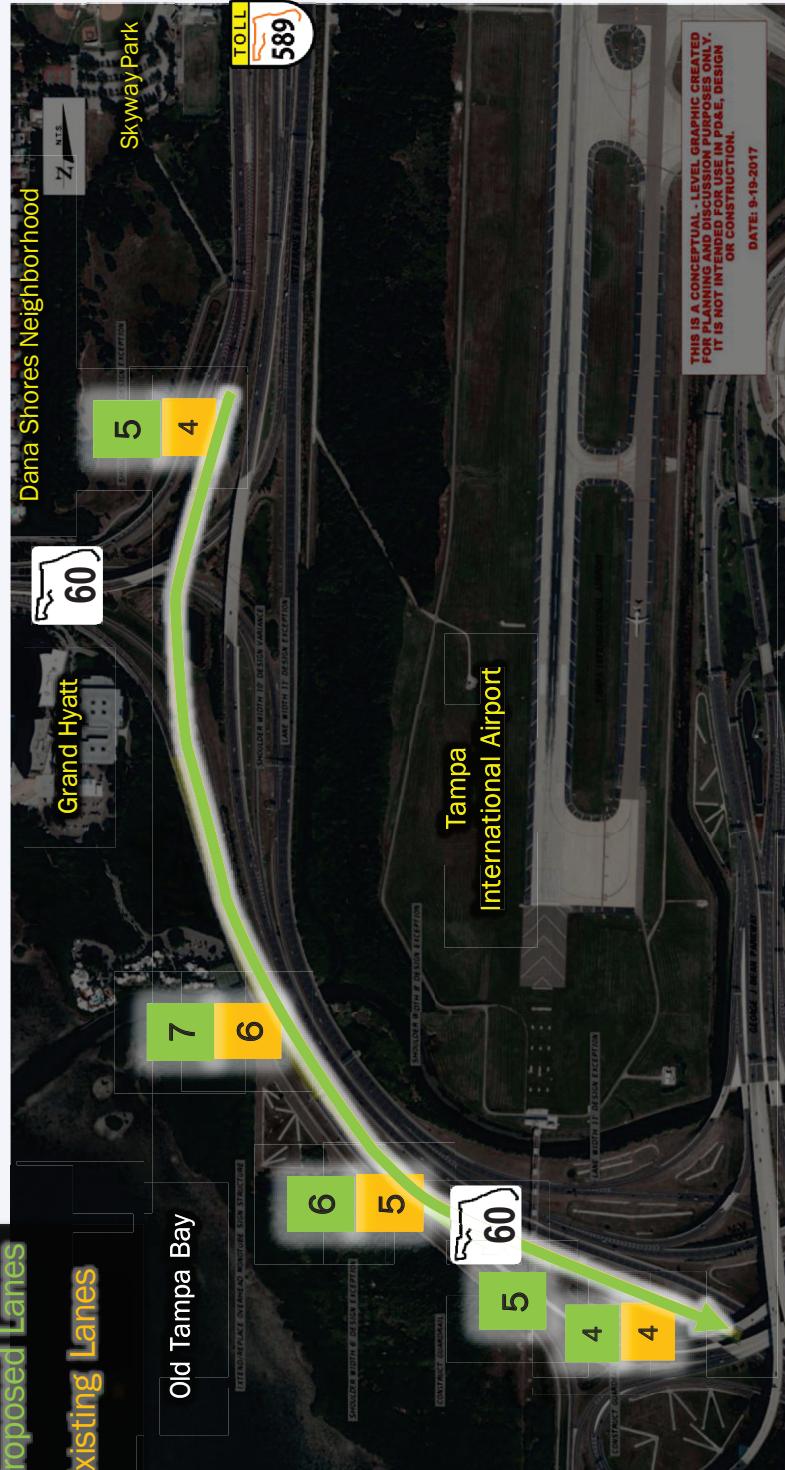
- FPIID: TBD
- Construction Estimate: \$2.9M
- Design/Build NTP: 2018
- No ROW required
- Description: Improves transition from Veteran's Expressway to SR 60 and Tampa Airport Interchange



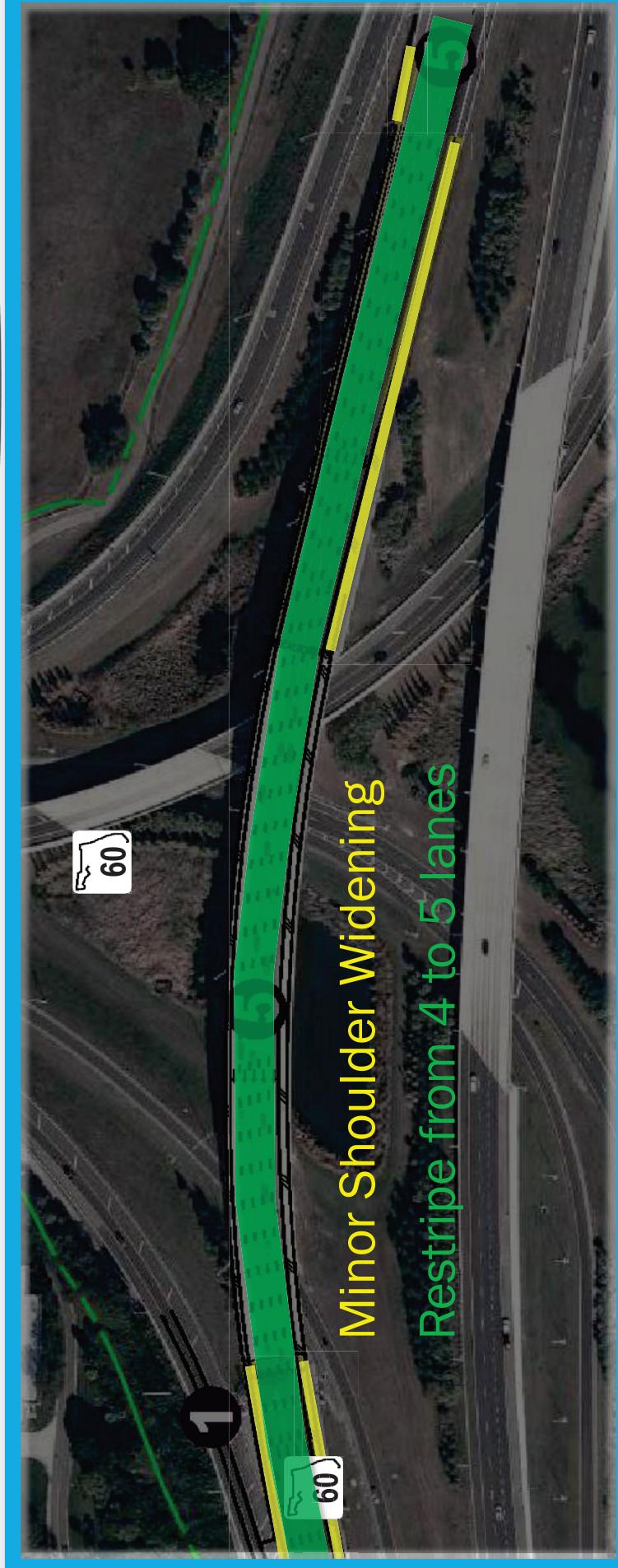
## Southbound SR 60/Veterans Expressway Operational Improvements



## Southbound Lanes



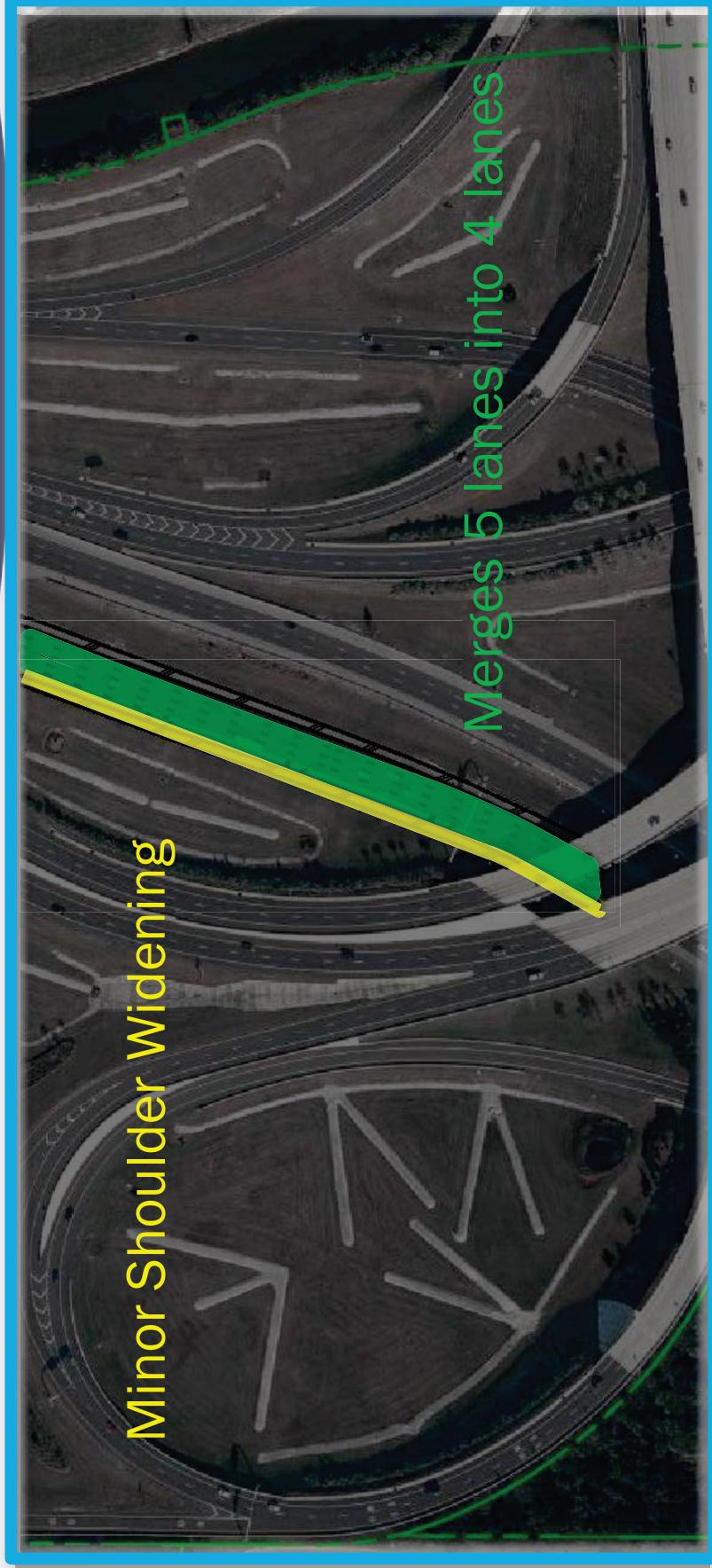
## SR 60 and Veteran's Expressway



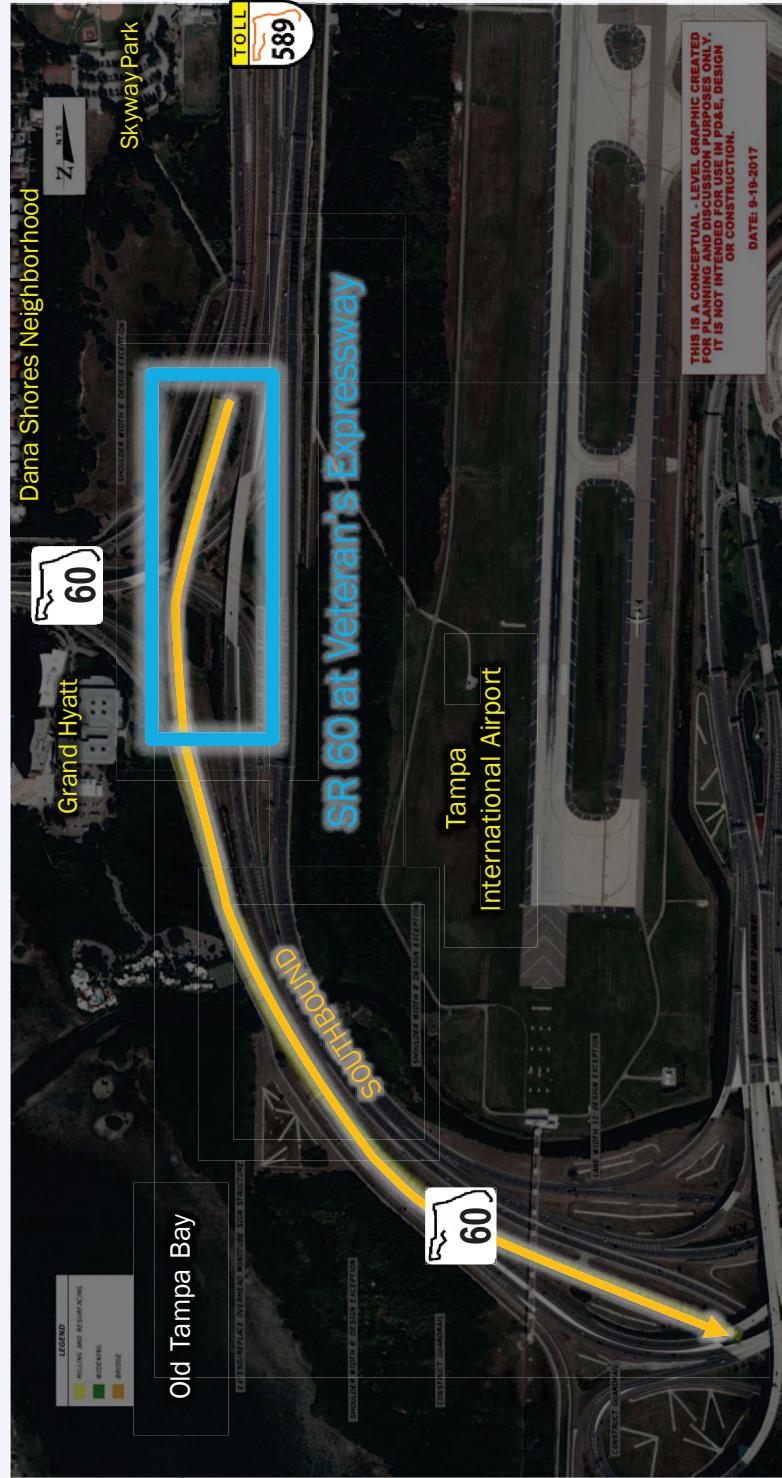
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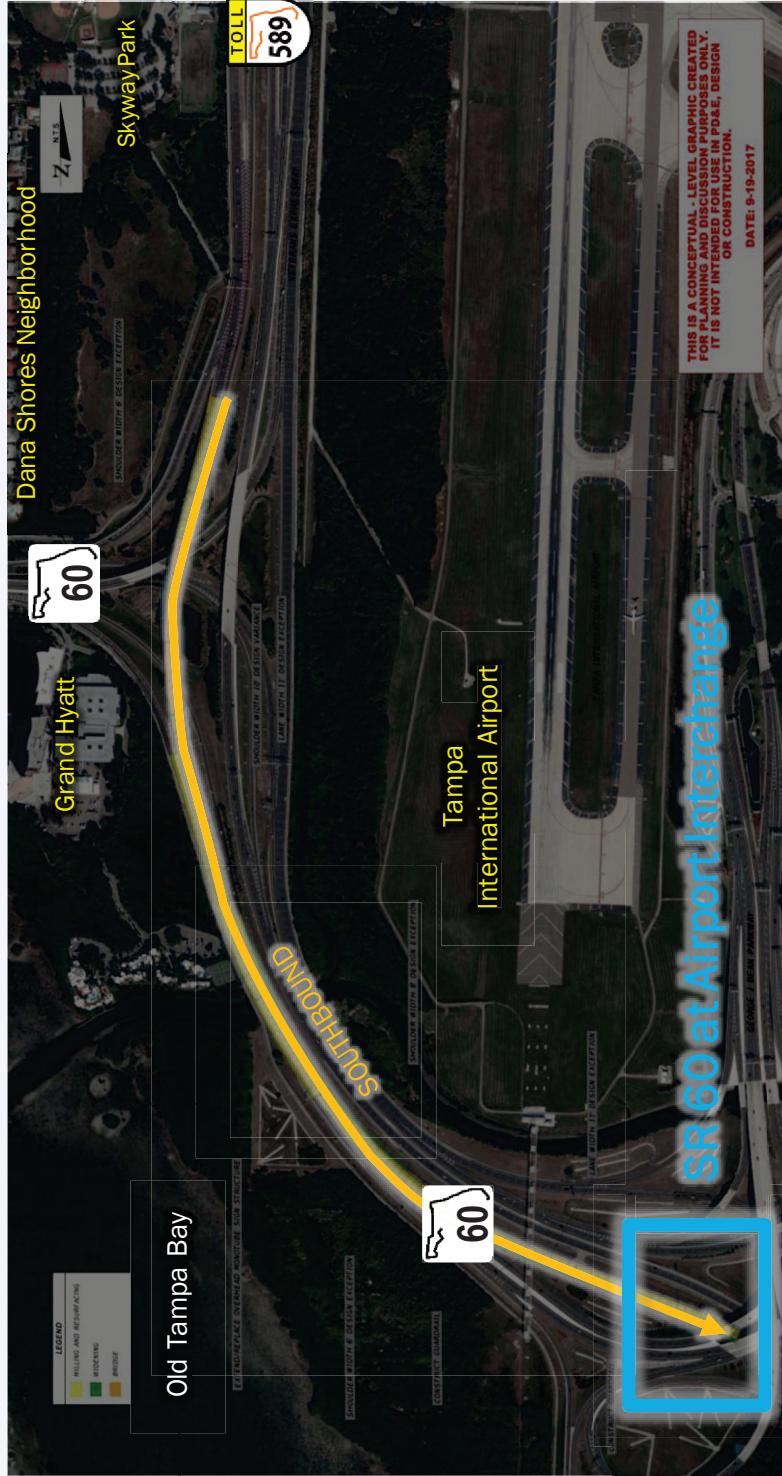
## SR 60 at Airport Interchange



# Entering from Veteran's Expressway



## Exiting to Westshore



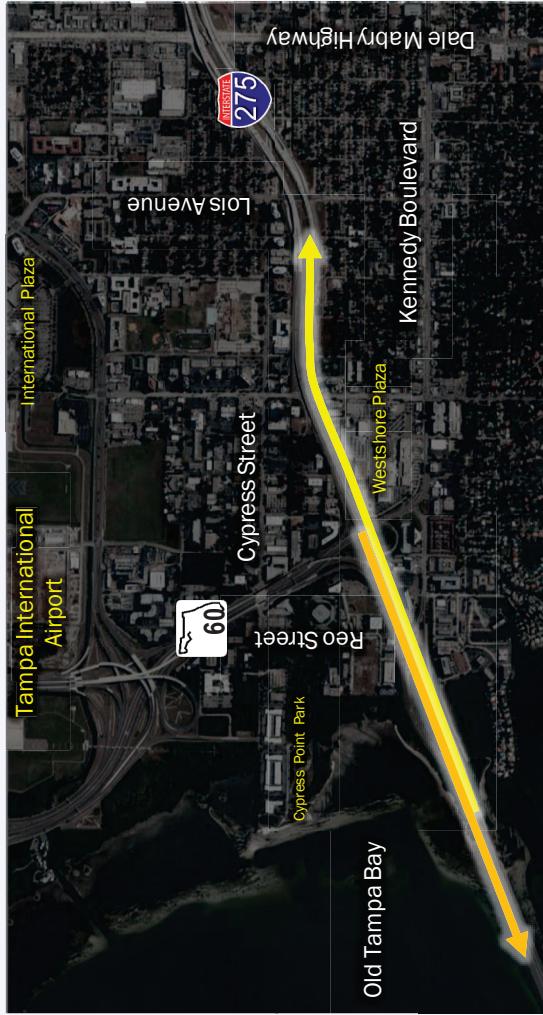


## I-275 OPERATIONAL IMPROVEMENTS

From North of the Howard Frankland Bridge to West of Lois Avenue

## Project Overview

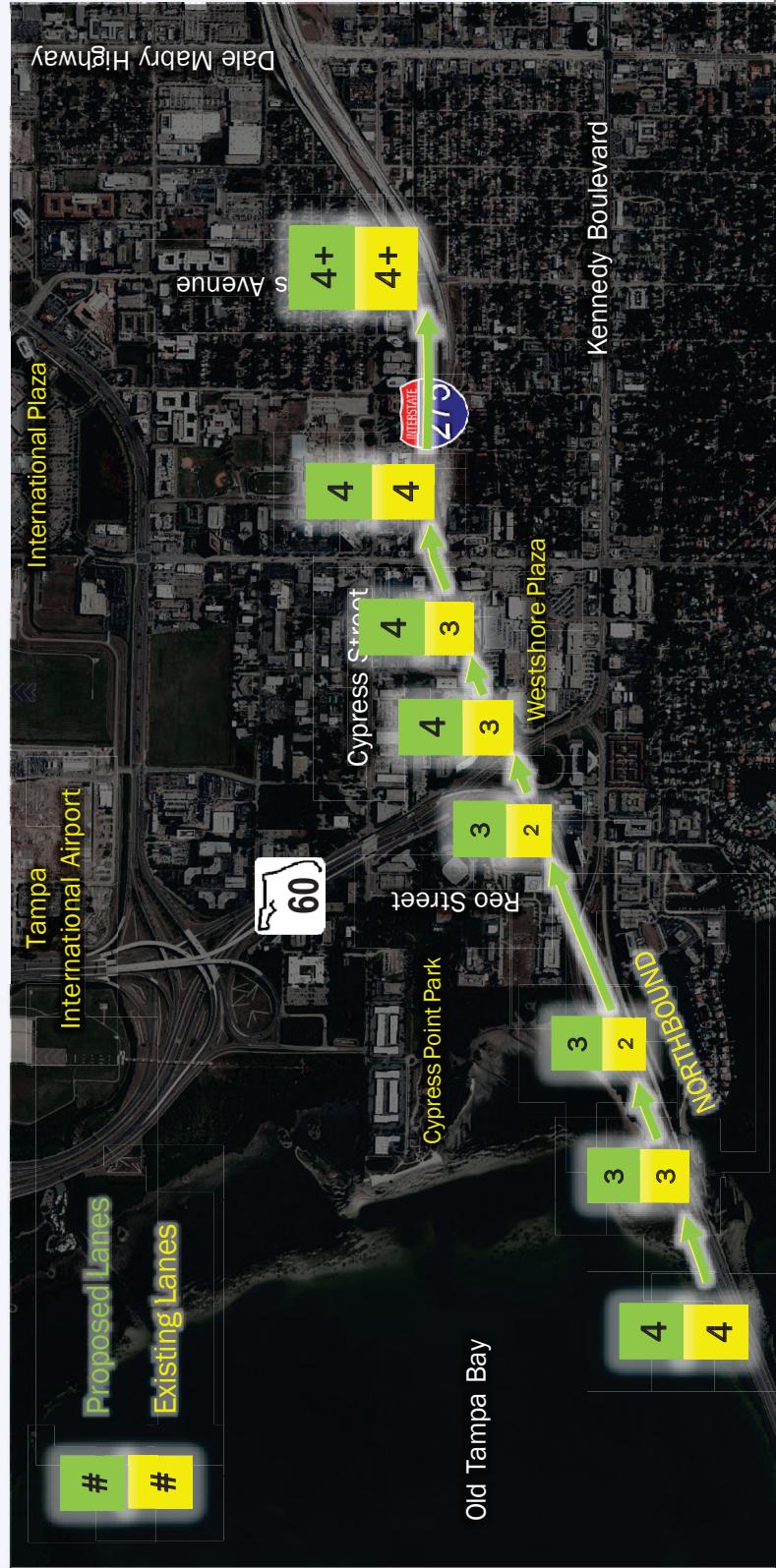
- FPIID: 441111-1
- Construction Estimate: \$25M
- Design/Build Notice To Proceed: 2019
- No ROW required
- To be completed prior to Howard Frankland Bridge project
- Description: Adds one additional general purpose lane to I-275 northbound and southbound to alleviate congestion entering and exiting Howard Frankland Bridge



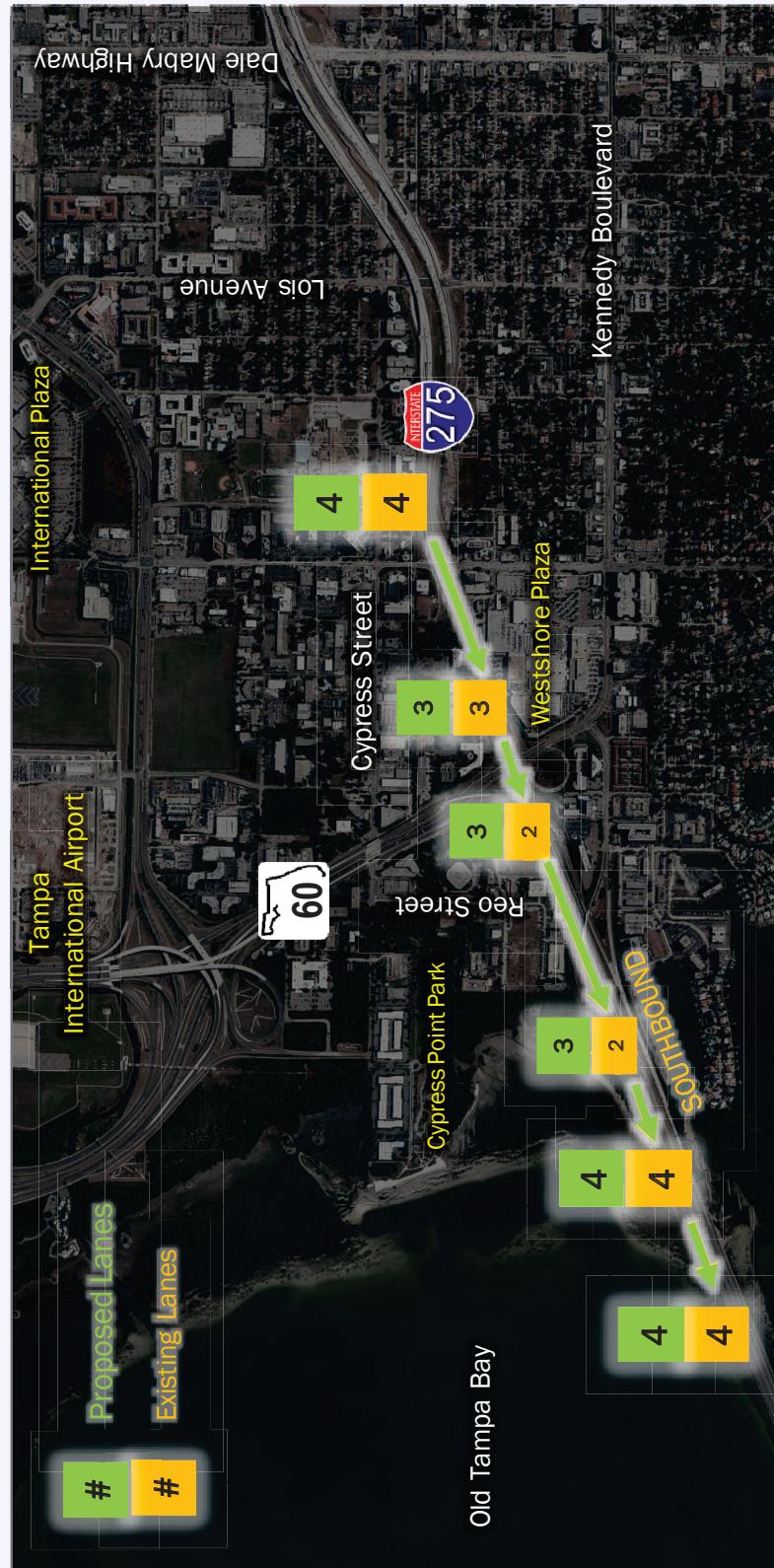
## I-275 Operational Improvements



# I-275 Operational Improvements Northbound Lanes

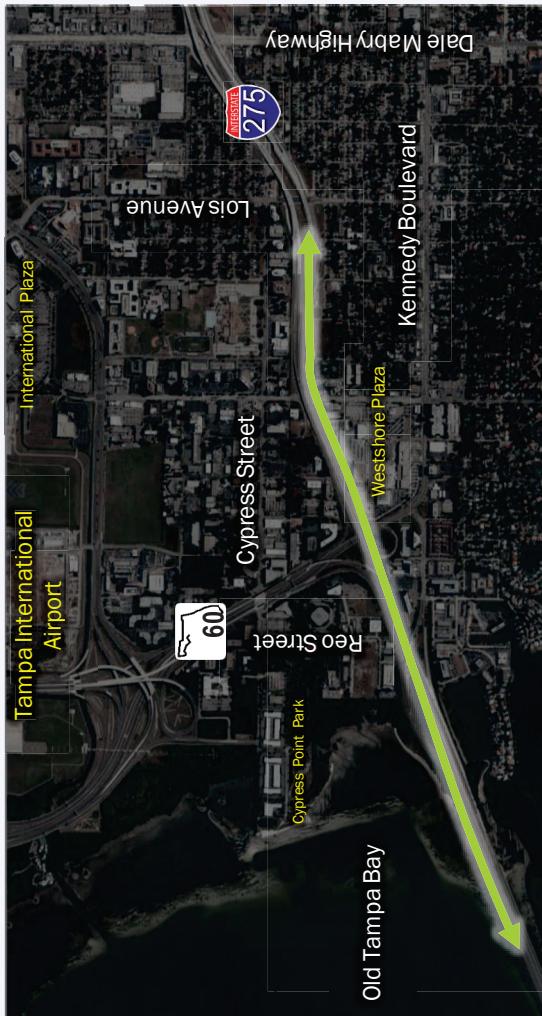


## I-275 Operational Improvements Southbound Lanes



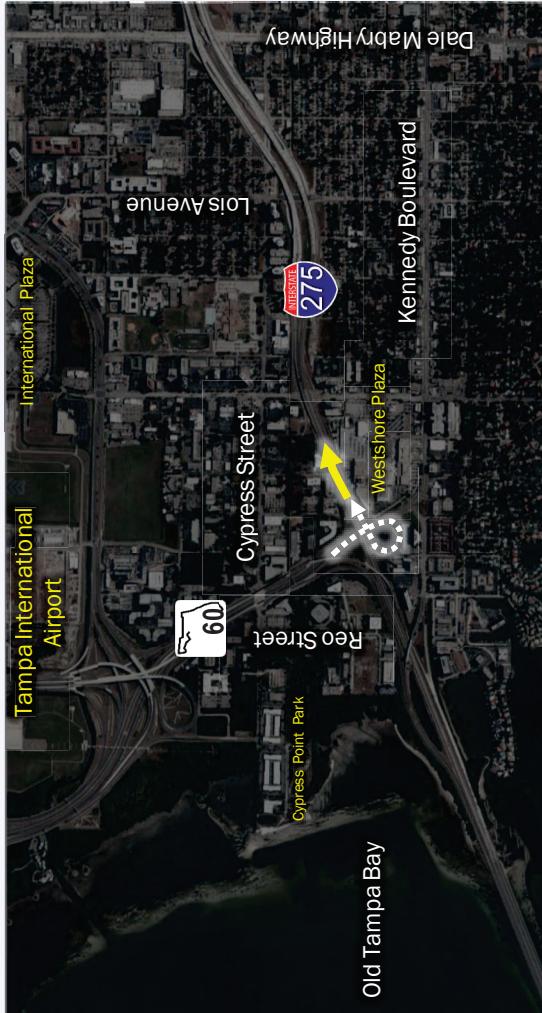
## I-275 Operational Improvements Benefits

- Alleviates congestion entering and exiting Howard Frankland Bridge by adding one non-tolled lane to the existing condition
- Provides a minimum of 3 lanes in each direction through the interchange



## I-275 Operational Improvements Benefits

- Alleviates congestion entering and exiting Howard Frankland Bridge by adding one non-tolled lane to the existing condition
- Provides a minimum of 3 lanes in each direction through the interchange
- Provides additional lane to receive traffic from the SB SR 60/Veterans Expressway loop ramp to NB I-275

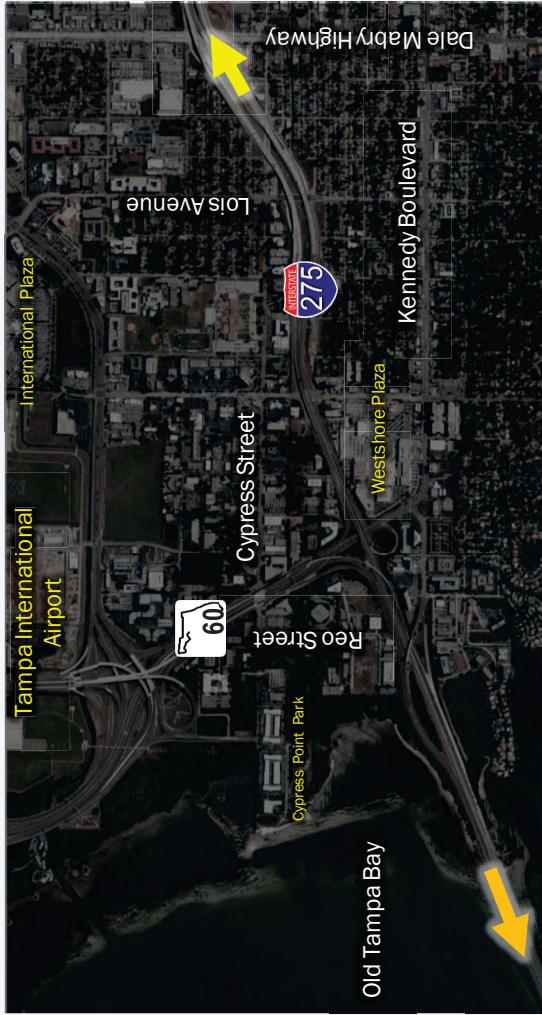


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## I-275 Operational Improvements Benefits

- Alleviates congestion entering and exiting Howard Frankland Bridge by adding one non-tolled lane to the existing condition
- Provides a minimum of 3 lanes in each direction through the interchange
- Provides additional lane to receive traffic from the SB SR 60/Veterans Expressway loop ramp to NB I-275
- Provides the needed lane capacity in anticipation of the HFB construction



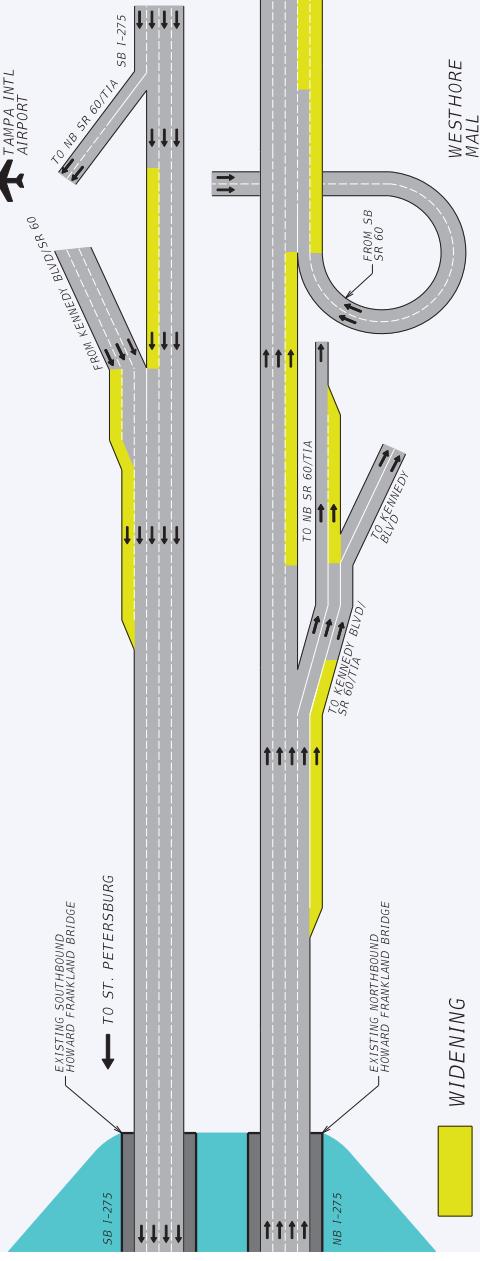
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# I-275 Operational Improvements

This is our upcoming project to  
reduce congestion on I-275 at SR 60.  
Construction Scheduled 2019-2020

NOT TO SCALE



Westshore Area Lane Additions  
and Transitions



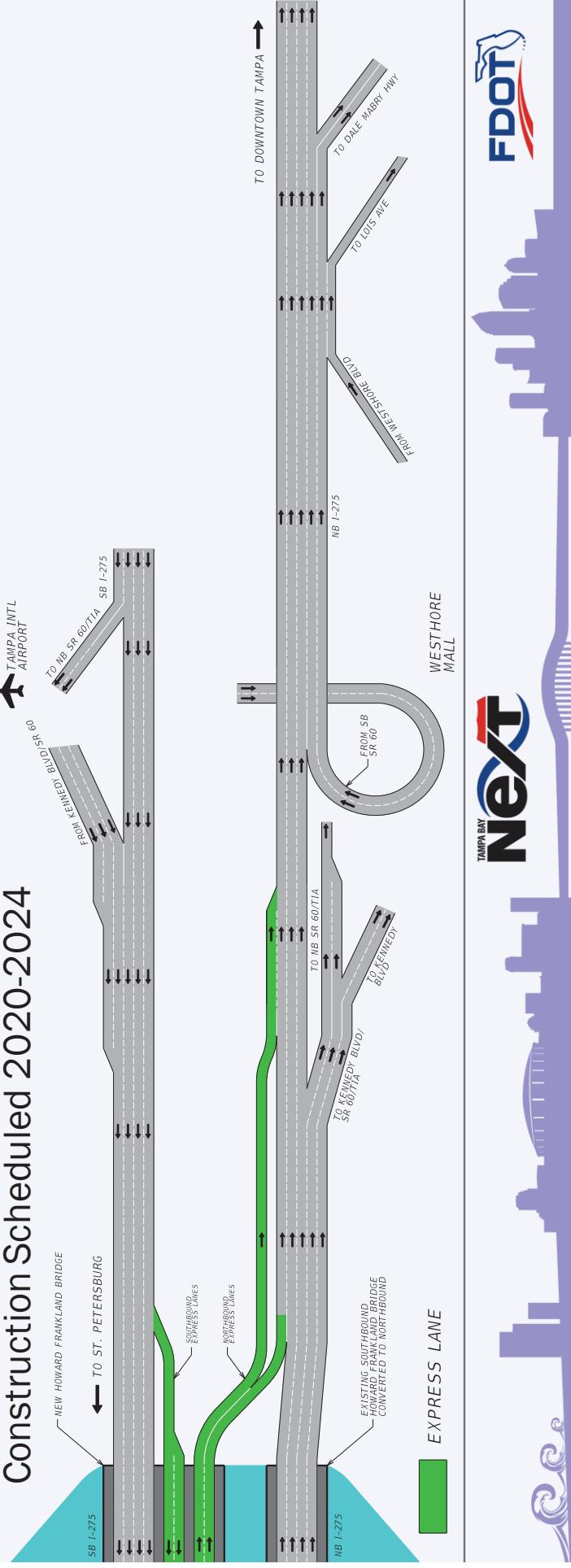
# Howard Frankland Bridge Project

This is how express lanes will transition into the Westshore area after the new bridge is built.  
Construction Scheduled 2020-2024

Construction Scheduled 2020-2024

TAMPA INT'L  
AIRPORT

NOT TO SCALE



## I-275 Operational Improvements

### What the improvement does:

- ✓ Improves I-275 mainline capacity through the Westshore interchange
- ✓ Alleviates congestion on/off Howard Frankland in Westshore
- ✓ Provides additional lane to receive traffic from the SB SR 60/Veterans Expressway loop ramp to NB I-275

### What the improvement doesn't do:

- 🚫 Provide underpasses at ReO, Occident, or Trask Streets
- 🚫 Fix all interchange's geometric and operational issues
- 🚫 Require right of way

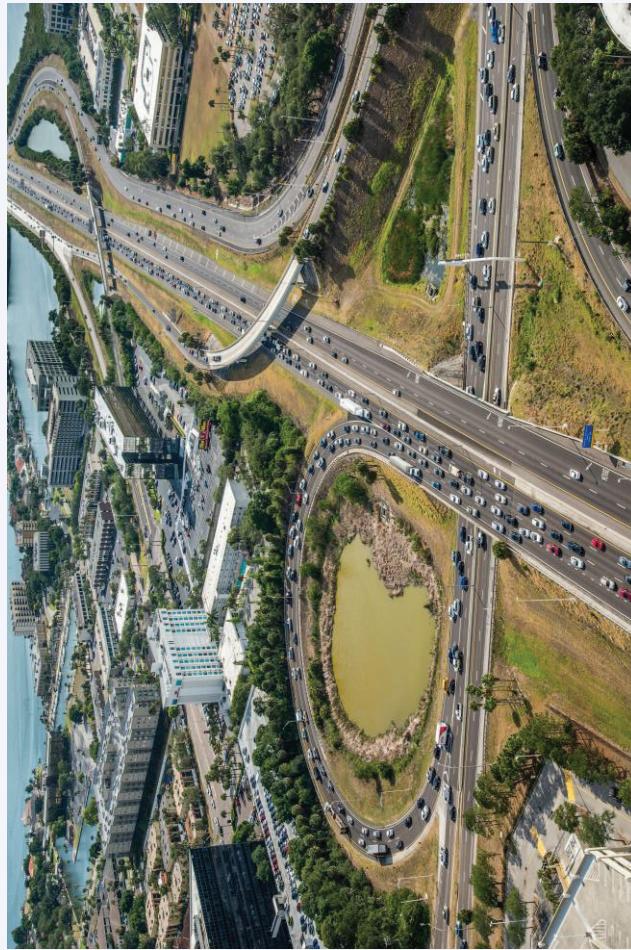




## WESTSHORE INTERCHANGE RECONSTRUCTION

## Full Reconstruction

- Ultimate Westshore Area Interchange reconstruction is still under study as a part of the Tampa Interstate Study SEIS
- SEIS to be completed by 2019
- Concept plans available to review during breakout session



## Westshore Interchange Reconstruction

# Himes/MacDill Access Options

- Options for West Tampa access points
- Want community feedback during breakout session
- Visit the engineering and planning team during breakout session



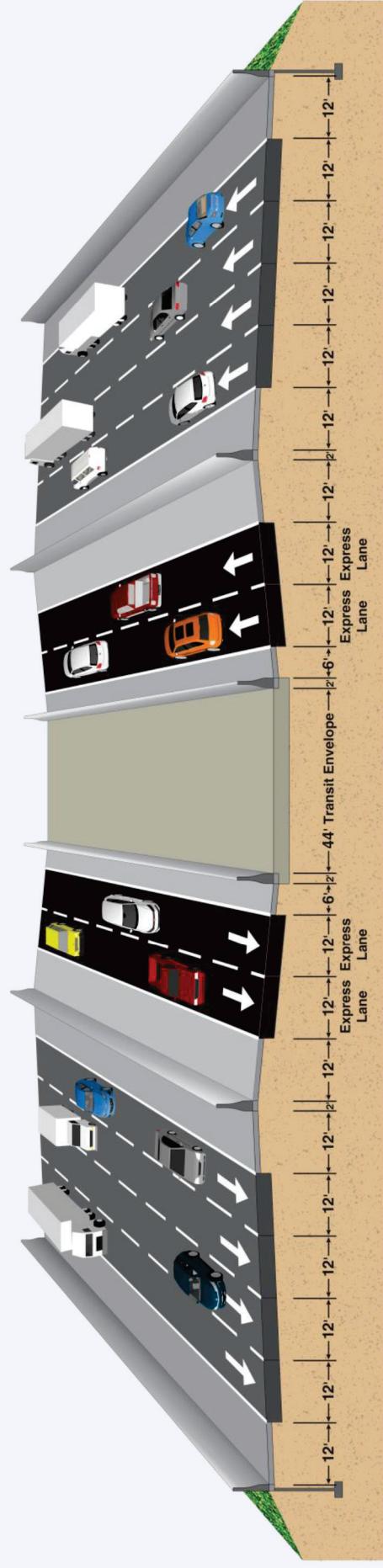
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## Transit Envelope in Median

- Could connect Pinellas and Hillsborough
- Flexibility for different transit modes

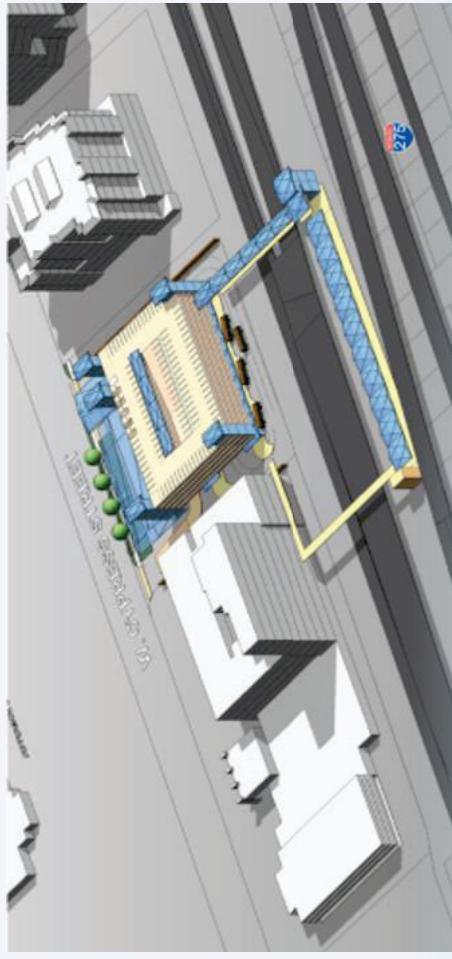
Westshore Transit Opportunities



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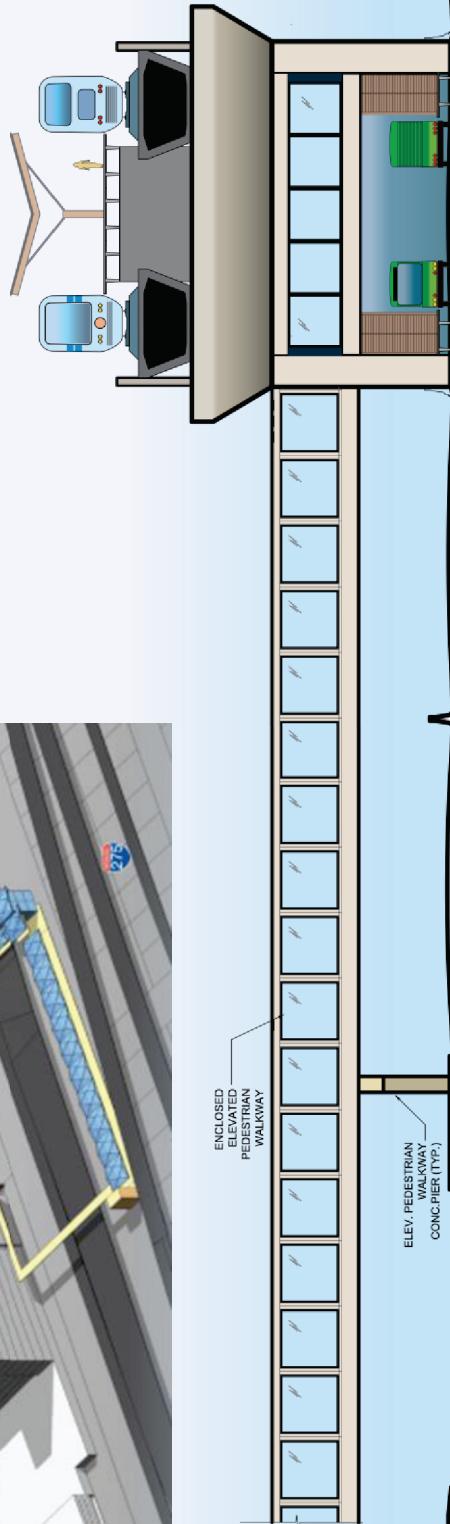
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## Westshore Intermodal Center



Westshore Transit Opportunities

FDOT purchased the site in 2016.



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# When is all this going to happen? How much will it cost?

## **SR 60 Operational Improvements**

Cost estimate

**\$2.9 million**

Anticipated start date

**2018**

## **I-275 Operational Improvements**

Design/Build  
Notice To Proceed

**2019**

Cost estimate

**\$25 million**

## **Howard Frankland Bridge**

Cost estimate

**\$750 million**

Design/Build

**2020**

## **Westshore Interchange**

In the SEIS Process  
Anticipated Design/Build

**TBD**

Cost estimate

**\$800 million - \$1 billion**



# Tampa Interstate Study Supplemental Environmental Impact Statement (SEIS) Public Workshop

*October 9:*  
Westshore Marriott  
4-7 p.m. (open house style)

*October 10:*  
Hilton Downtown Tampa  
4-7 p.m. (open house style)



**WE ARE HERE**

## **Screening**

- Purpose & Need
- Critical Issues
- Alternatives Screening and Analysis
- Input - Public, Agencies, Stakeholders
- Community Workshops
- Tier 1 & Tier 2 Screening

## **Prepare Draft SEIS**

- Alternatives Analysis
- Technical environmental studies
- Input - Public, Agencies, Stakeholders
- Community Workshops
- Tier 3 Screening

## **Publish Draft SEIS**

- Public, Agencies, Stakeholders
- Review and Comment
- Public Hearing

## **Select Preferred Alternative**

- Public and Agency Comments Reviewed and Addressed
- Preferred Alternative Selected
- FEIS/ROD To Be Undertaken
- Document Project Commitments





FORWARD  
PINELLAS



Together

Moving Forward

Hillsborough MPO  
Metropolitan Planning  
for Transportation



# Next Steps



Date	Time	Event Name	Location
Thursday, October 5	5:30 p.m. – 7:30 p.m.	Westshore/West Tampa/South Tampa Community Working Group Meeting #2	Centre Club, 8th Floor 123 S. Westshore Blvd, Tampa, FL 33609
Friday, October 6	12:00 p.m.	Citizens Transportation Academy	Online Webinar (or attend at FDOT) 11201 McKinley Drive, Tampa, FL 33612
Monday, October 9	4:00 p.m. – 7:00 p.m.	Tampa Interstate Study, SEIS Public Workshop - Westshore	Marriott Westshore 1001 N. Westshore Blvd, Tampa, FL 33607
Tuesday, October 10	4:00 p.m. – 7:00 p.m.	Tampa Interstate Study, SEIS Public Workshop - Downtown Tampa	Hilton Downtown Tampa 211 N. Tampa Street, Tampa, FL 33602
Friday, October 13	12:00 p.m.	Citizens Transportation Academy	Introduction to Transportation Project Development Online Webinar (or attend at FDOT) 11201 McKinley Drive, Tampa, FL 33612
Friday, October 20	12:00 p.m.	Citizen Transportation Academy	Introduction to Transit: Transit Modes and How They Work Online Webinar (or attend at FDOT) 11201 McKinley Drive, Tampa, FL 33612
Friday, October 27	12:00 p.m.	Citizen Transportation Academy	How Transportation Projects are Funded Online Webinar (or attend at FDOT) 11201 McKinley Drive, Tampa, FL 33612
Thursday, November 2	12:00 p.m.	Citizen Transportation Academy	Congestion Management Strategies Online Webinar (or attend at FDOT) 11201 McKinley Drive, Tampa, FL 33612
Tuesday, November 14	5:30 p.m. – 7:30 p.m.	Howard Frankland Bridge Public Hearing	Tampa Marriott Westshore 1001 N. Westshore Blvd., Tampa, FL 33607
Thursday, November 16	5:30 p.m. – 7:30 p.m.	Howard Frankland Bridge Public Hearing	Hilton-St. Pete Carillon Park 950 Lake Carillon Dr., St. Petersburg, FL 33716

## WEBINAR COURSES

### September 22

Regional Transportation Roles and Responsibilities

### October 6

Metropolitan Planning Process

### October 13

Introduction to Transportation Project Development

### October 20

Introduction to Transit: Transit Modes and How They Work

### October 27

How Transportation Projects are Funded

### November 2

Congestion Management Strategies

*Note: There will be no session on Sept. 29 due to the TMA Leadership Meeting*



# Instructions for Poll Everywhere

Before the presentation, log in:

[www.polleverywhere.com](http://www.polleverywhere.com)

User Name: fuentesl@plancom.org

P/W: Happy001

When you get to the question slides, click on the link.

When the page opens, click the “make poll active” button (2<sup>nd</sup> button from the top) and then the full-screen button.

When done with the question, click the lock button. Click the arrow button to move to the next question, or go to the next slide and click the link there.



# Exploring a TMA-Wide 2045 Long Range Transportation Plan \* Regional Scenario Planning \*



September 2017

Hillsborough MPO  
*Metropolitan Planning  
for Transportation*



# Why does the Long Range Plan Matter?

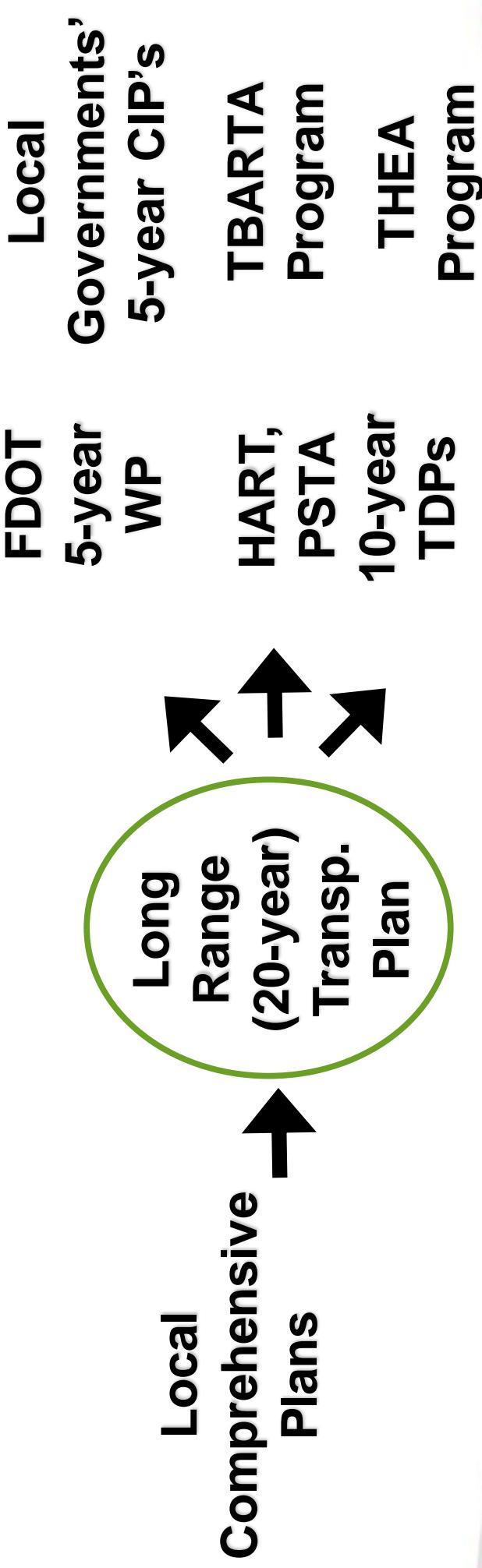
- Identifies priority projects now being funded, for example:
  - Howard Frankland Bridge
  - I-275/SR 60 Interchange
  - Replacement Buses
  - Advanced Traffic Management Systems
  - South Coast Greenway & other trails
- Conveys our priorities for federal & state funding to Washington, DC & Tallahassee

# How does it fit with other efforts?

*Where will facilities will growth be?*

*What facilities will be needed?*

*Who builds or operates what, & starting when?*



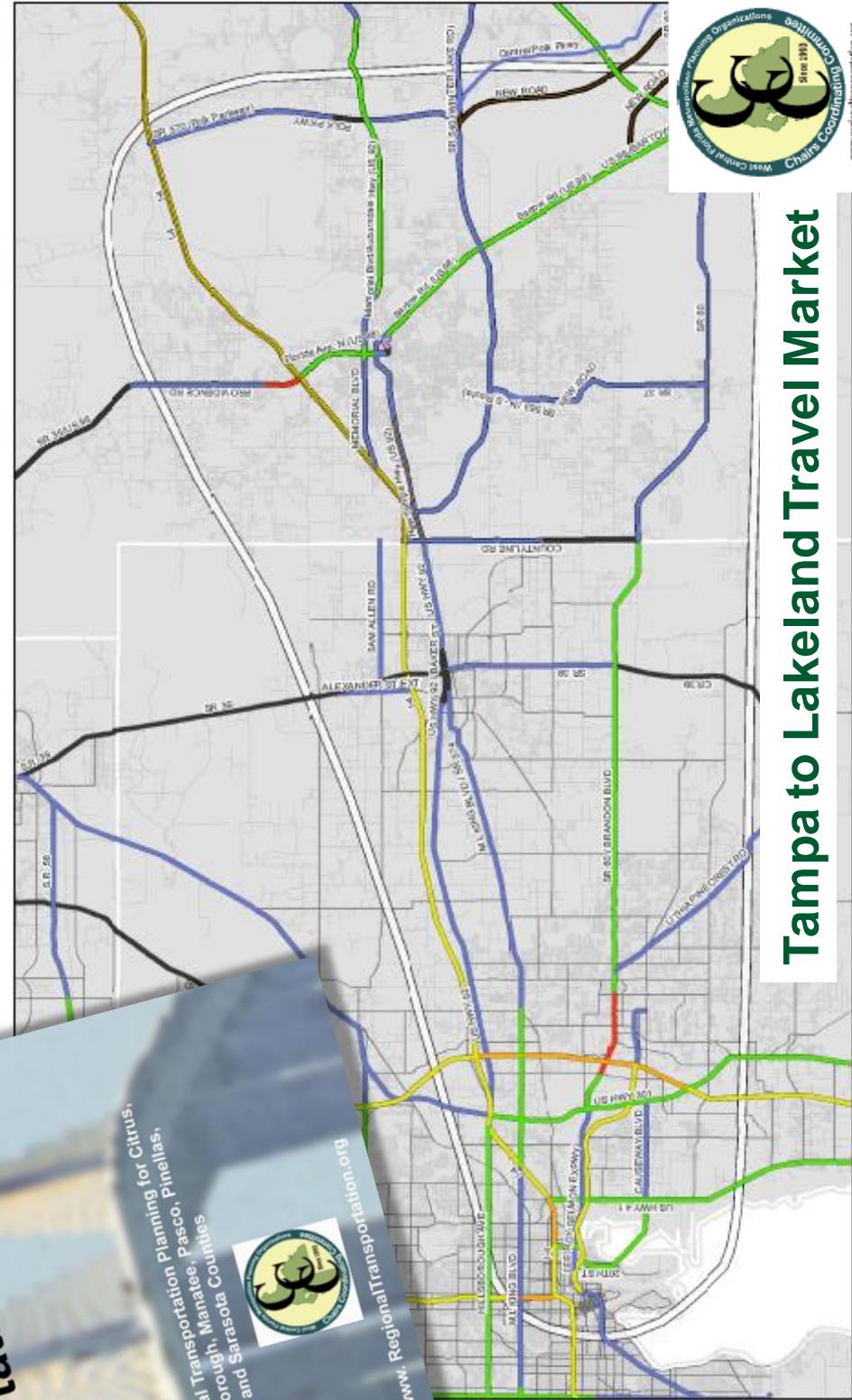
# How is it coordinated across the region?



Planning for Citrus,  
Hillsborough, Manatee,  
Pasco, Pinellas,  
Hernando, Polk and Sarasota Counties



[www.RLRT.org](http://www.RLRT.org)



## Regional Travel Needs

Studied by MPO  
Chairs  
Coordinating  
Committee



**2035 LRTTP**

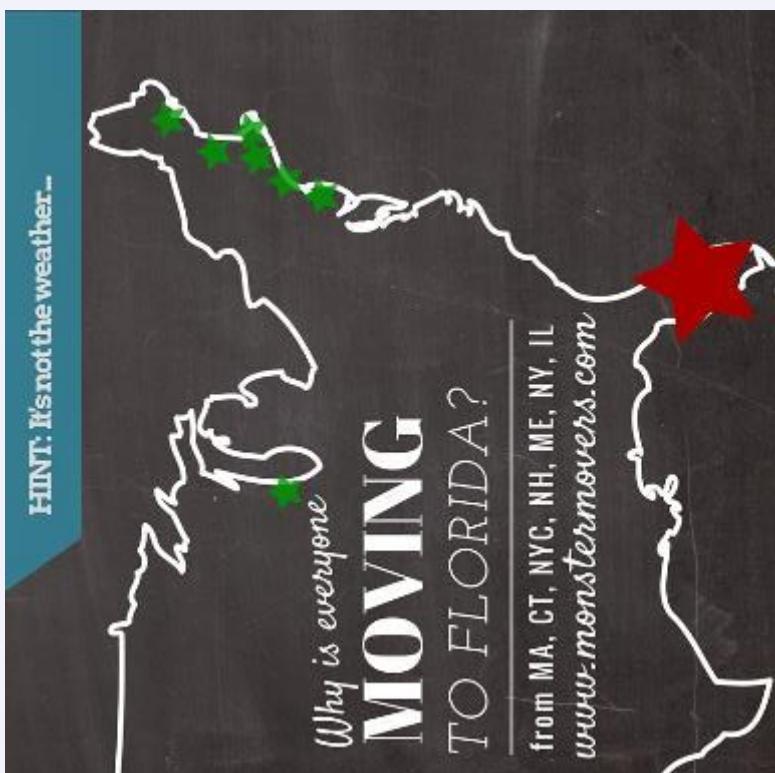
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# What trends will shape what Tampa Bay looks like in 2045?

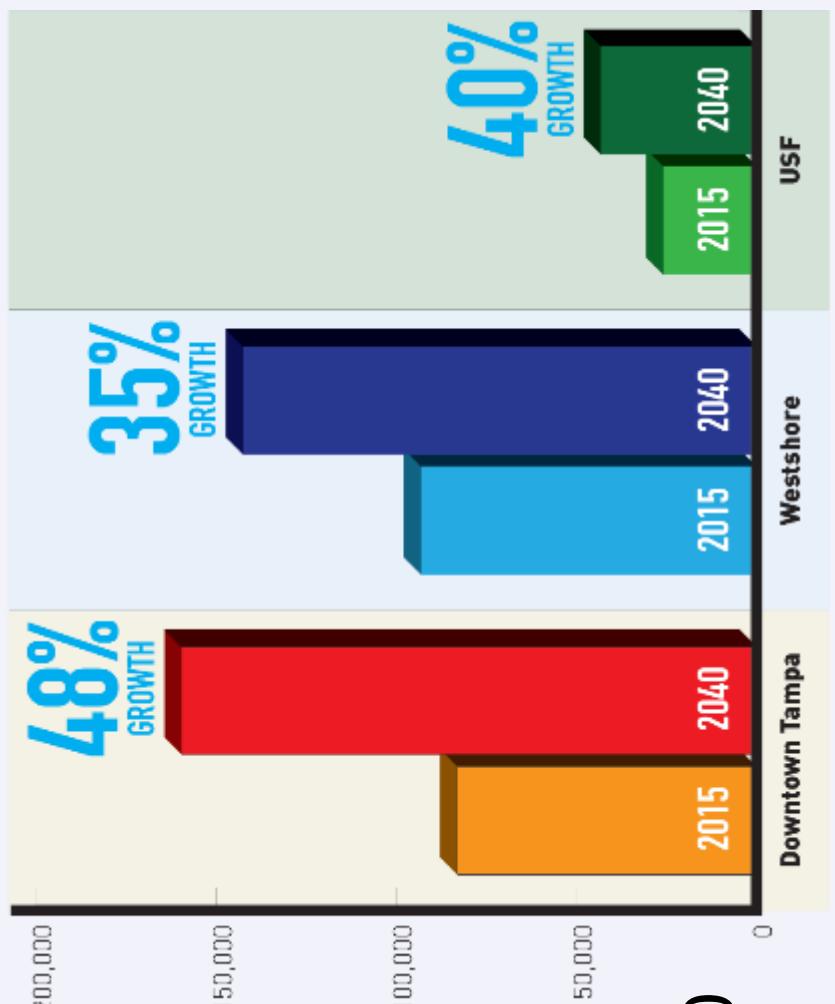


Key drivers of change for the Atlanta Region

# Defining the Problem



## ECONOMIC DISTRICTS: Workforce



Source: Tampa Bay Regional Planning Model

Tampa Bay is the 5<sup>th</sup> fastest growing metro area in the U.S., with almost 5,000 people per month moving here in 2016.



**Tampa Bay Next  
is a process of working  
with the community to  
come up with an action  
plan for transportation.**



# The Program Includes:

Interstate Modernization



Transit



Bicycle/Pedestrian Facilities



Complete Streets



Transportation Innovation



Freight Mobility



# Interstate Modernization

Project	Public Hearing	Preferred Alternative
Howard Frankland Bridge	Fall 2017	Express Lanes (4 non-tolled)
Westshore Area Interchange (SEIS)	Early 2019	Evaluating Express Lanes and other concepts
Westshore to Downtown Corridor (SEIS)	Early 2019	Evaluating Express Lanes and other concepts
Downtown Interchange (SEIS)	Early 2019	Evaluating Express Lanes and other concepts
I-275 Innovation Corridor	Early 2019	Evaluating Express Lanes and other concepts
I-4 and Connector	October 2015	Express Lanes
I-75 Operational Improvements	TBD	TBD



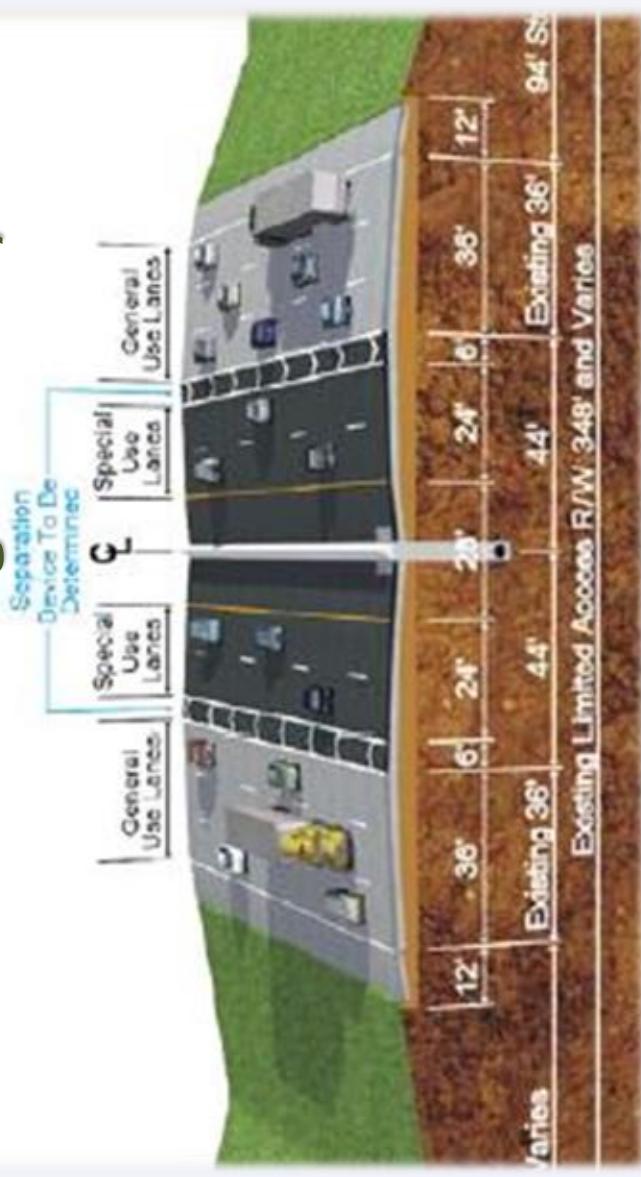
# Interstate Modernization

## Other Concepts Being Evaluated

- Converting I-275 to a Boulevard north of Downtown Tampa
- Beltway
- Trench
- Elevated Lanes
- Reversible Lanes
- Other Mgd. Lane Options
- Transit Options

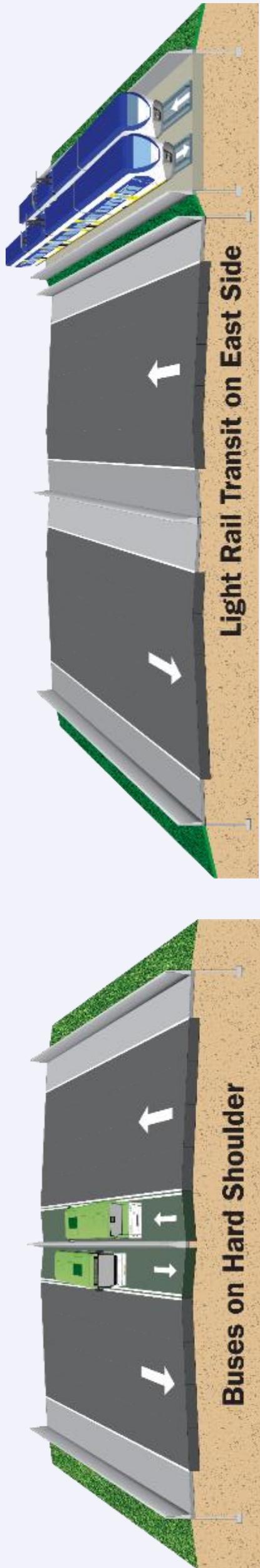
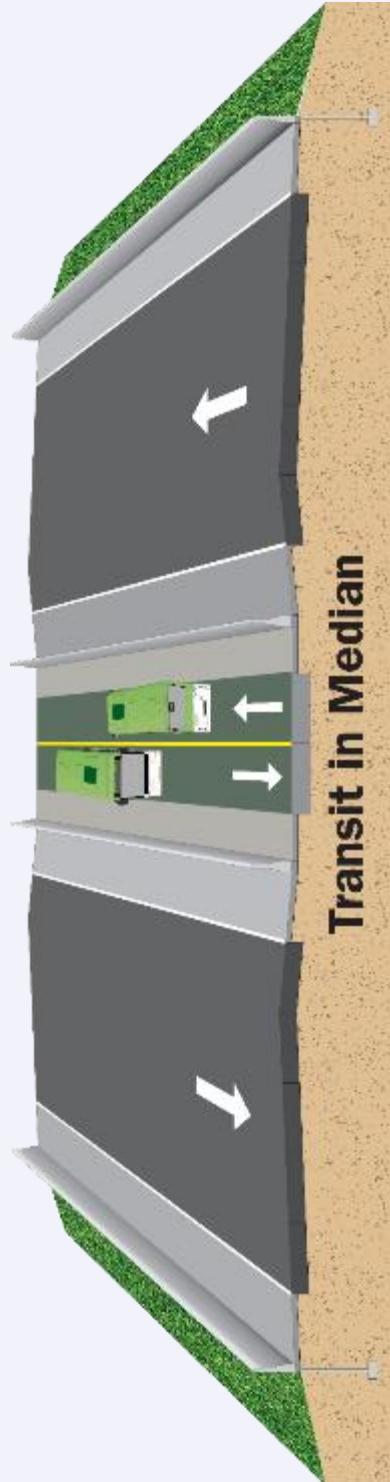
## MPO Chairs' Coordinating Committee High Priorities (2012)

### #1: I-75 Managed Lanes w/ Transit



# Transit

## Options for Premium Transit in Interstate ROW



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**Next**

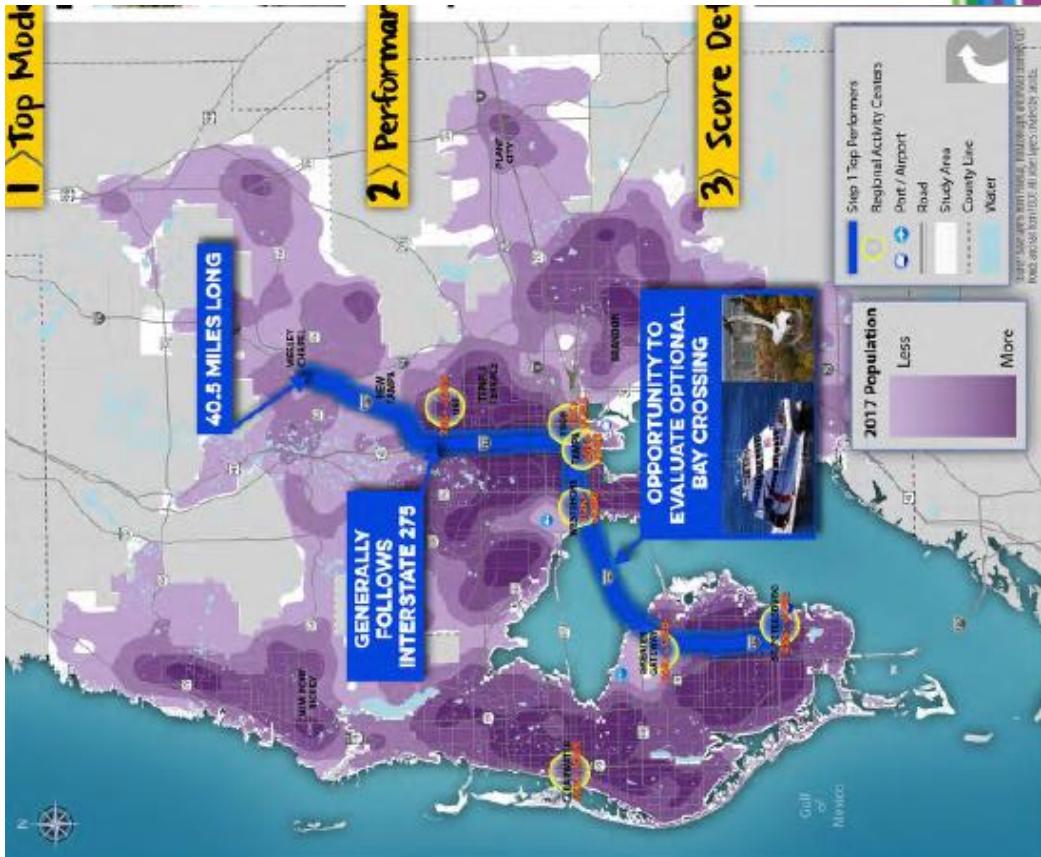
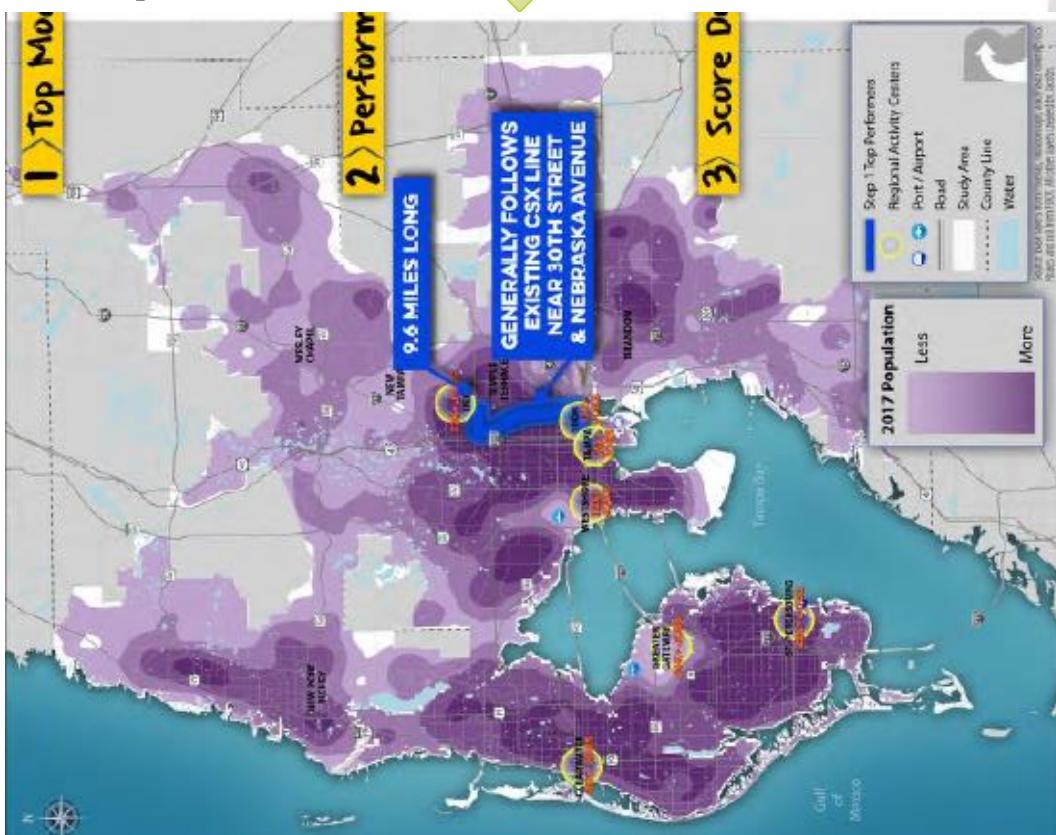
**FDOT**

# Regional Transit Feasibility Plan

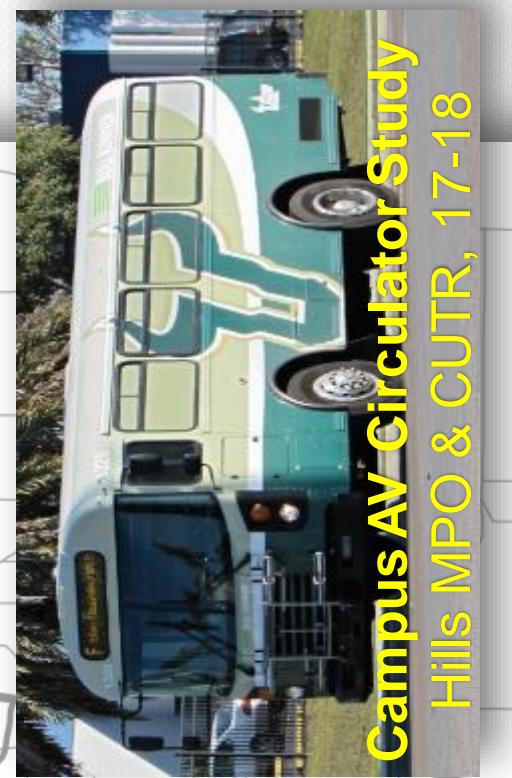
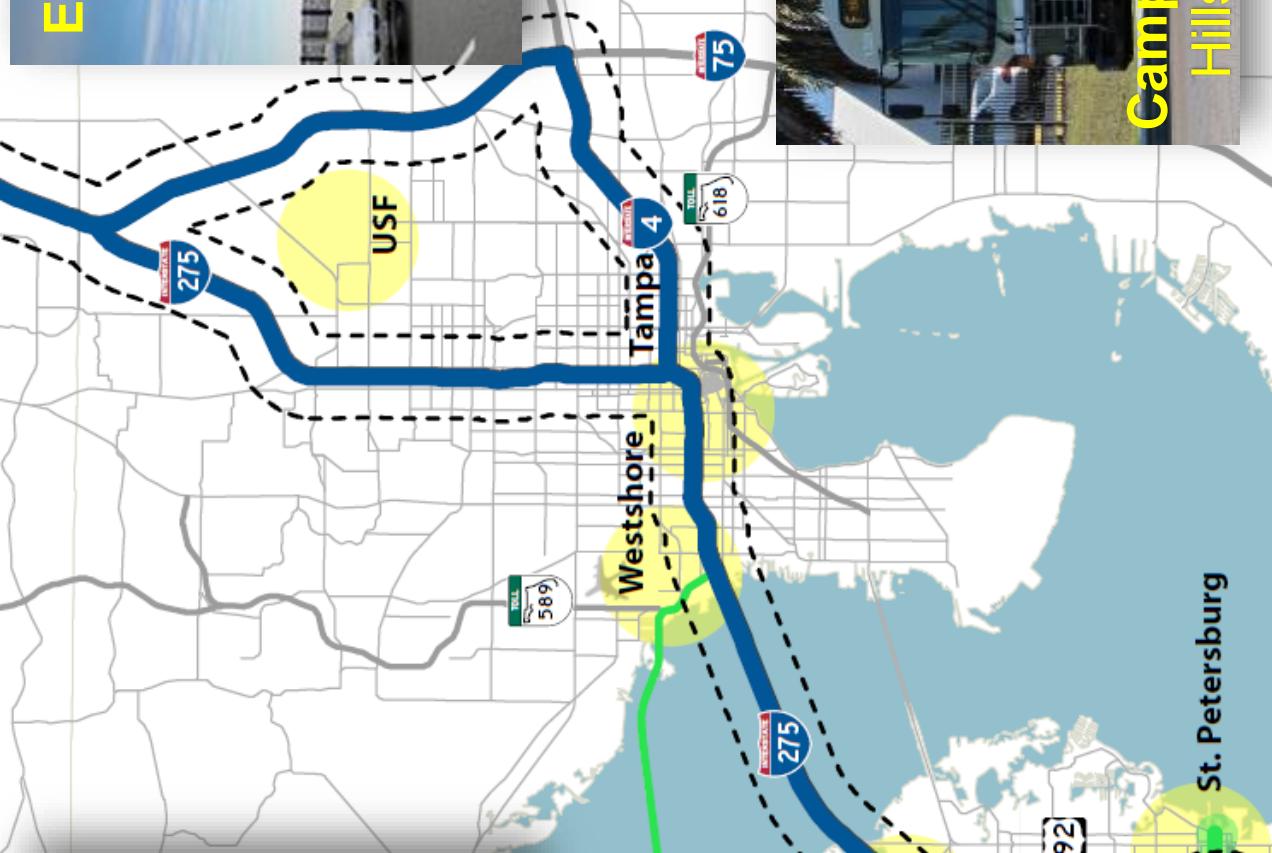
**Top 2 Potential Corridors  
Have Been Identified per  
Federal Criteria:**

USF to Downtown Tampa  
(CSX Corridor)

Wesley Chapel to St Pete  
(Interstate Corridor)

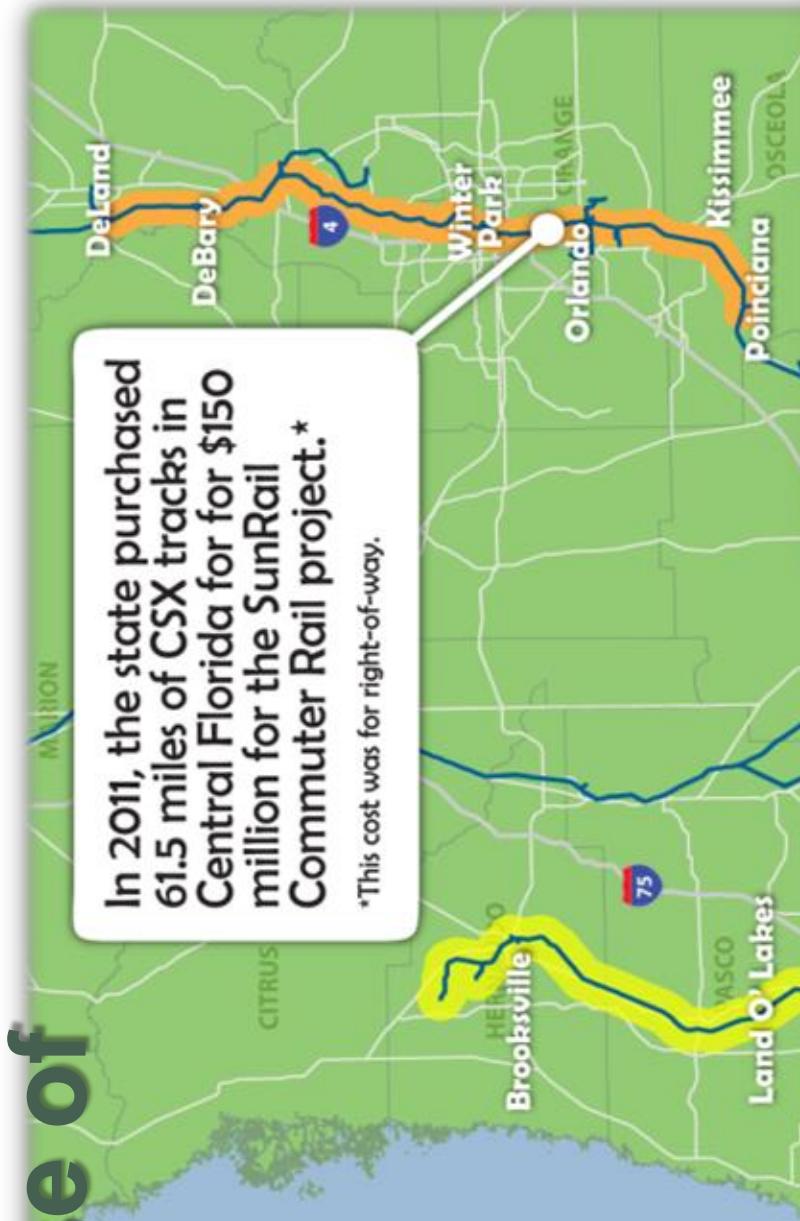


# Bus Rapid Transit & Automation

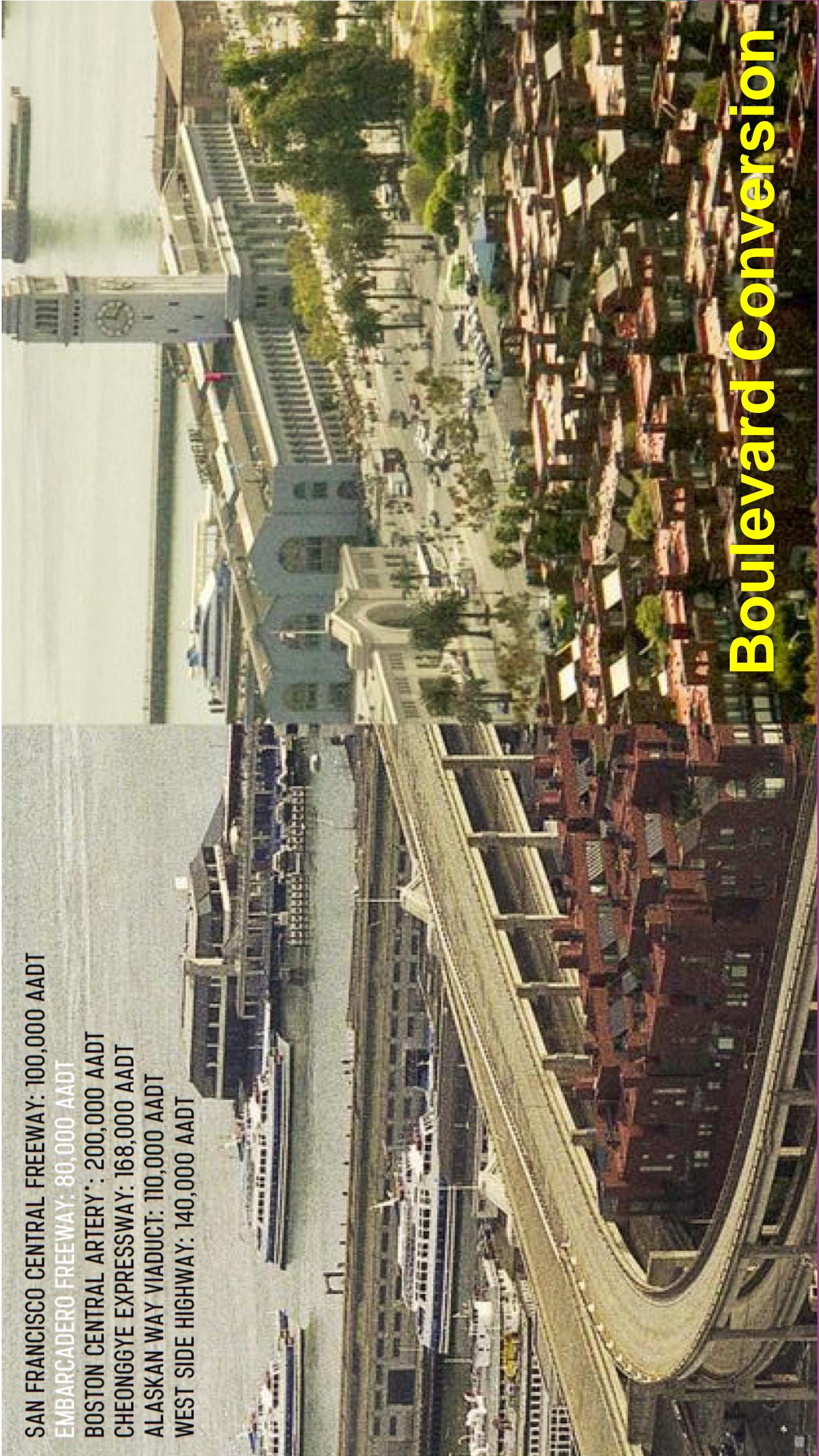


# Reuse &/or Joint Use of CSX Rail Corridors

- More than 100 miles of low-use CSX track in Tampa Bay
- Potential for expansion to Clearwater, St Pete, Land O Lakes, Brooksville, So. Tampa
- SunRail- FDOT bought 61.5 miles of tracks from CSX for \$150 million plus track refurbishing where freight was to be re-routed
- CSX was operating up to 30 freight trains/day on the SunRail corridor, ~6 times the volume as our dead-end line



# Boulevard Conversion



SAN FRANCISCO CENTRAL FREEWAY: 100,000 AADT

EMBARCADERO FREEWAY: 80,000 AADT

BOSTON CENTRAL ARTERY\*: 200,000 AADT

CHEONGGYE EXPRESSWAY: 168,000 AADT

ALASKAN WAY VIADUCT: 110,000 AADT

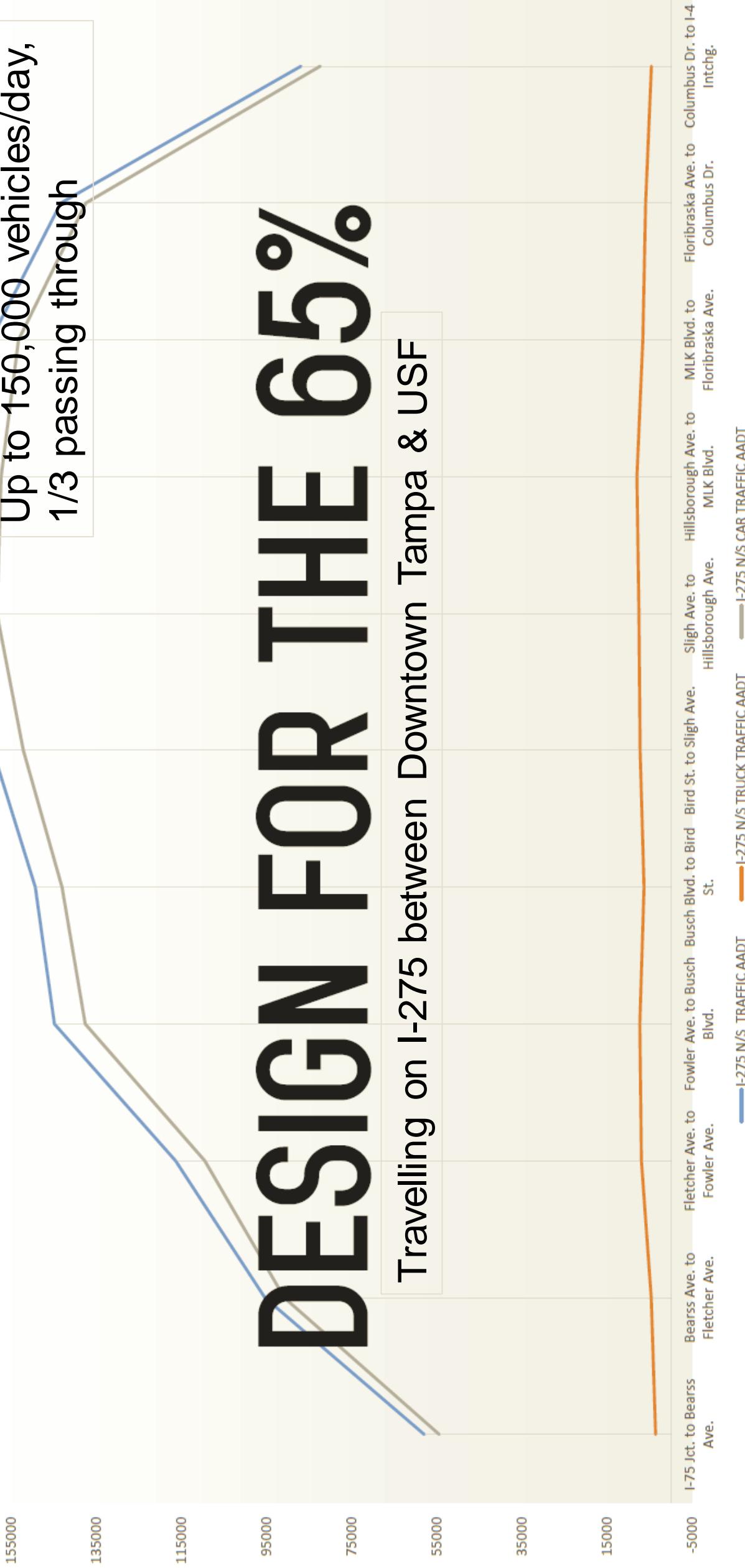
WEST SIDE HIGHWAY: 140,000 AADT

# Boulevard Conversion

Up to 150,000 vehicles/day,  
1/3 passing through

# DESIGN FOR THE 65%

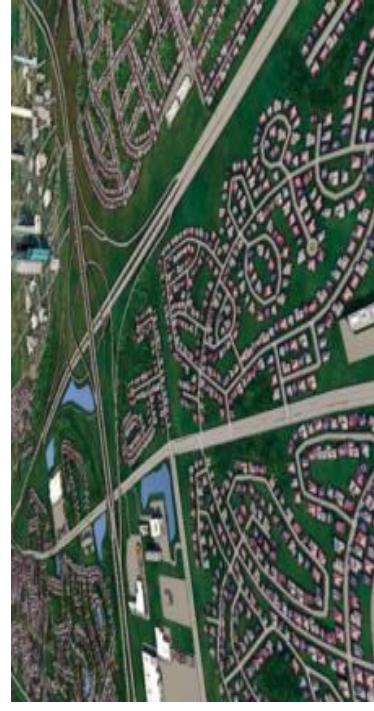
Travelling on I-275 between Downtown Tampa & USF



# Playing out some very different futures . . .

Hillsborough's *Imagine 2040* Scenarios were a combo of transportation & development decisions

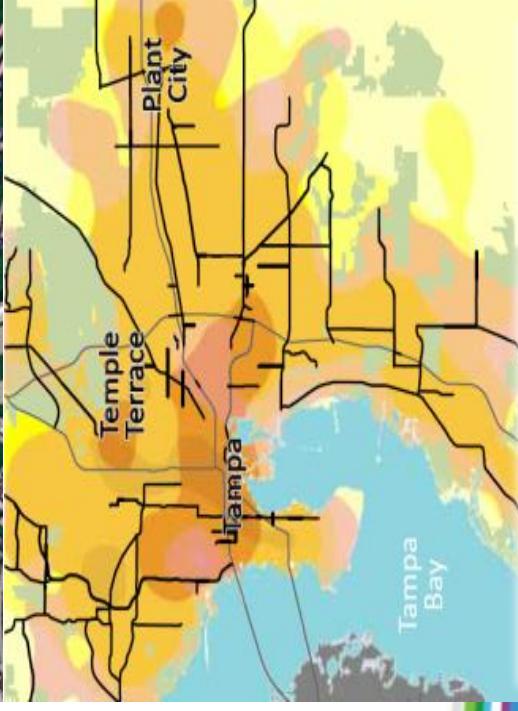
A. "Suburban Dream" (Trend)



B. "Bustling Metro" (Rail & TOD)



C. "New Corporate Ctrs." (on Exp. Lanes)



Expand the growth boundary to make room for new suburbs. Extend roads & water lines, rebuild major intersections.

Create new town centers in older commercial areas. Add rapid bus, rail, circulator shuttles, walk/bike connections.

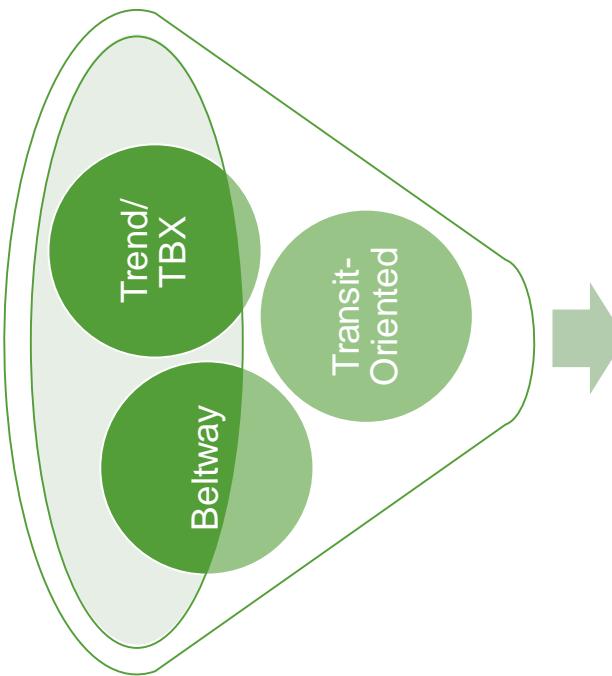
Create new corporate parks along major highways. Add new express toll lanes in the interstates (I-4, I-75, I-275) through

# Tampa Bay TMA Role

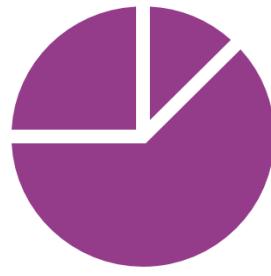
**Build 2045 Growth Scenarios**

**Create Public Survey Tools**

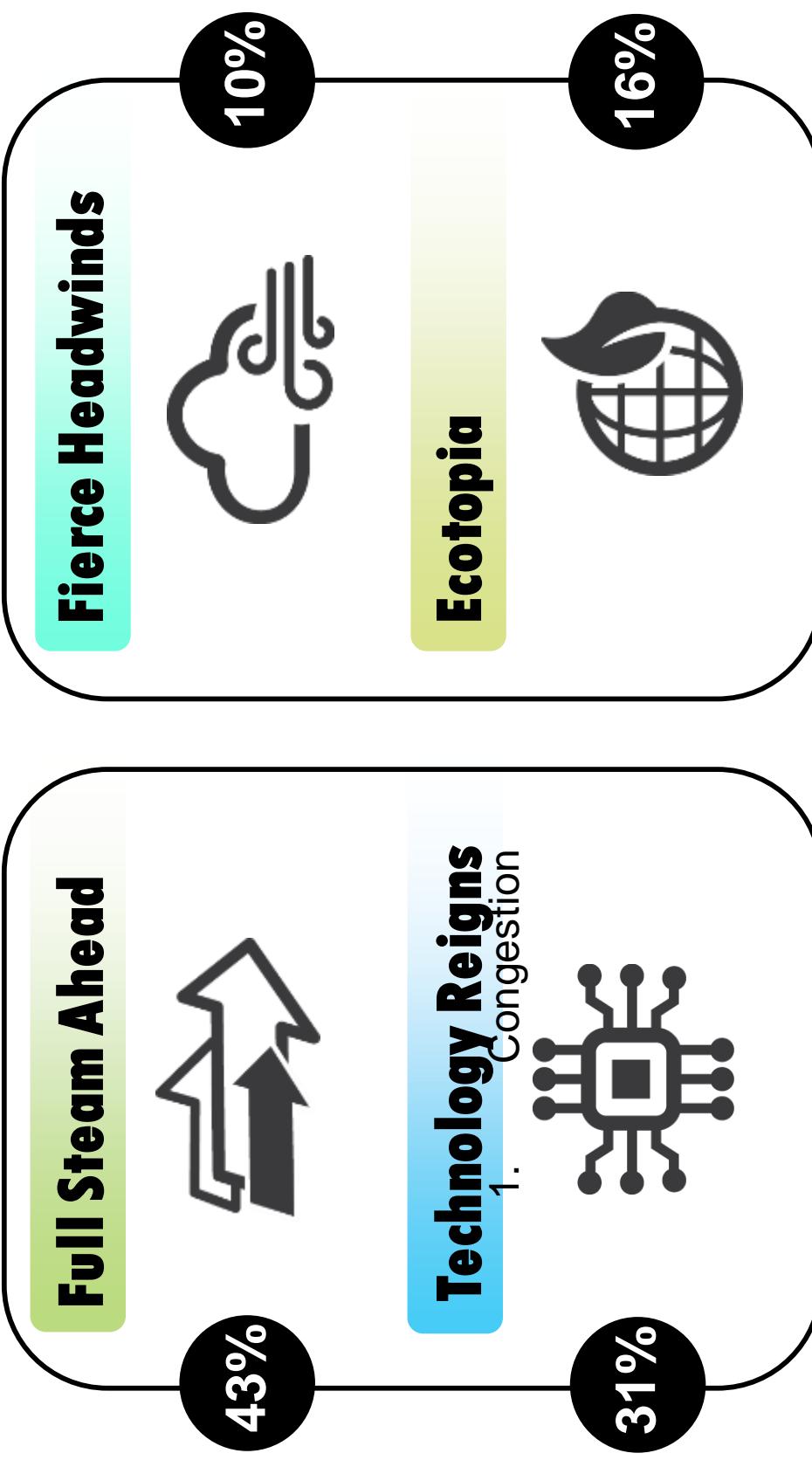
**Develop Funding & Cost Sharing Strategies for Hybrid Scenario**



**Hybrid Scenario**



# Atlanta Region's Plan: online gaming beta test results



*What might  
scenarios  
for the  
Tampa Bay  
TMA look  
like?*

**MORE LIKELY**  **LESS LIKELY**



Hillsborough MPO  
Metropolitan Planning  
for Transportation

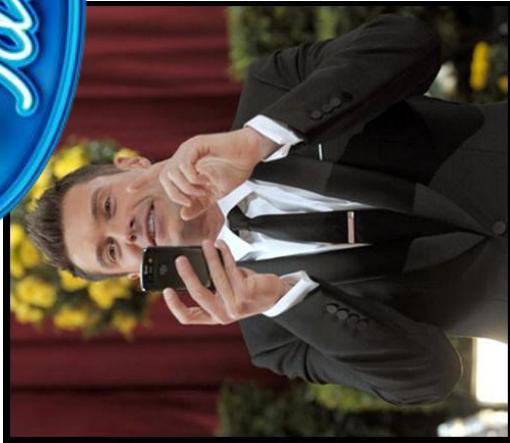


# Moving Forward Together

- Playing out some very different futures ....
- Trend Plus Technology?
  - Boulevard Plus Beltway?
  - Rail Reuse Plus Max T.O.D.?
  - What else?



# Give us your thoughts by text!



To get started, text the word **PLANCOM** to the number **22333**.



# Question 1: What “big ideas” or drivers of change could most affect how & where we grow? (Select 3)

1. Vacant land availability
2. Declining gas tax, more reliance on tolls & fees
3. Dramatic traffic growth
4. Deferred maintenance
5. Investing in fixed transit
6. Automated vehicles
7. Shared mobility services
8. Aging population
9. Income inequality
10. Access to job centers
11. Tourism industry strength
12. Freight/logistics industry strength
13. Climate change

## Question 2: What are the best strategies to accommodate population growth? (Select 2)

1. Redevelop cities & older suburbs at higher densities
2. Redevelop older commercial strip corridors as townhomes & apts.
3. Re/develop around new fixed-guideway transit stations
4. Develop agricultural land as needed
5. Develop new towns in outlying areas
6. Develop along interstate hwy & expressway corridors
7. Don't accommodate it
8. Other

# Question 3: For our future populations' needs, how should we focus transportation resources? (Select 3)

1. Add lanes to interstate hwys
2. Build more elevated hwys
3. Widen 4-6 lane rds to 6-8 lanes
4. Innovative intersections & interchanges
5. Advanced traffic management systems & AV/CV readiness
6. Maintain pavement & bridges
7. Better bus service in counties
8. Transit connecting counties
9. First commuter/light rail line
10. Walk & bike facilities
11. Step up safety improvements & traffic calming
12. Better freight rail & truck routes
13. Other

# Closing Questions

What is your home zip code?

[https://www.pollevewhere.com/free\\_text\\_polls/Ps32w047uVW068w](https://www.pollevewhere.com/free_text_polls/Ps32w047uVW068w)

Are there any additional things we should consider?

[https://www.pollevewhere.com/free\\_text\\_polls/7kgAvB2LfzXUD7e](https://www.pollevewhere.com/free_text_polls/7kgAvB2LfzXUD7e)



# 2045 Long Range Transportation Plan

Whit Blanton, FAICP  
Executive Director

## The Integration of Land Use and Transportation

- It's a new plan!
- The Long Range Transportation Plan will be first since merging of Metropolitan Planning Organization and Pinellas Planning Council under Forward Pinellas umbrella
- Economic sustainability and resilience central to the new plan

**Adapt – Build – Connect**



# Framework for Regional Long Range Transportation Plan

## One Long Range Plan for the Tampa Bay Area – “Three Ring Binder”

### Regional

- Regional Element – requires Hillsborough, Pasco and Pinellas to agree upon regional investments and revisions to those investments
- Scenarios for the future

### Hillsborough

- Local Elements – provides autonomy to local MPOs to set priorities for local projects and supporting policies

### Pasco

- These local elements may be changed without approval from the full region



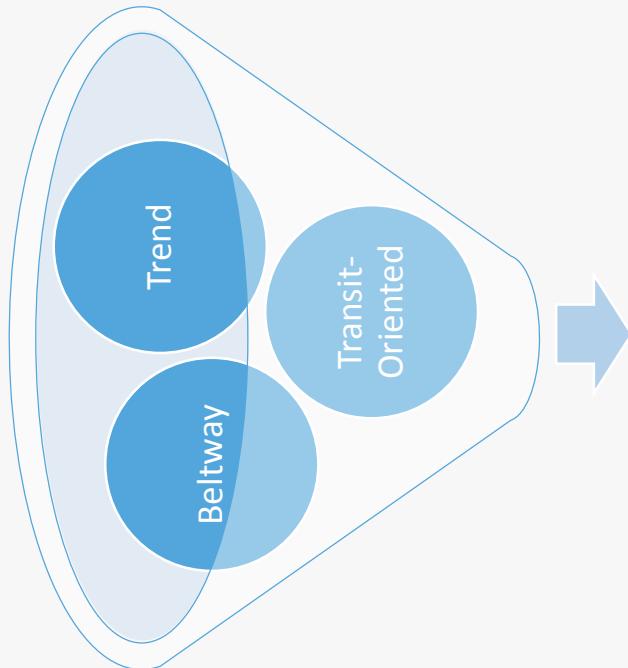
Pinellas

# Tampa Bay Regional Scenarios

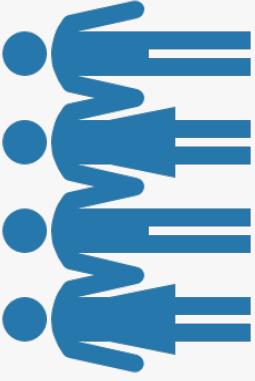
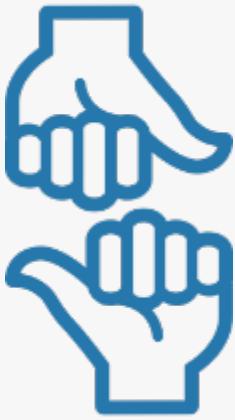
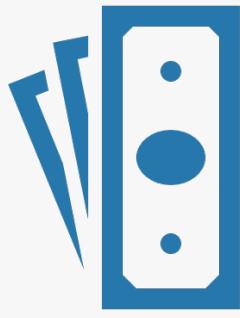
Build 2045 Growth Scenarios

Create Public Survey Tools

Develop Funding & Cost Sharing Strategies for Hybrid Scenario



**Hybrid Scenario**



# Tampa Bay Next

## Interstate Modernization



## Transit



## Bicycle/Pedestrian Facilities



## Complete Streets



## Transportation Innovation



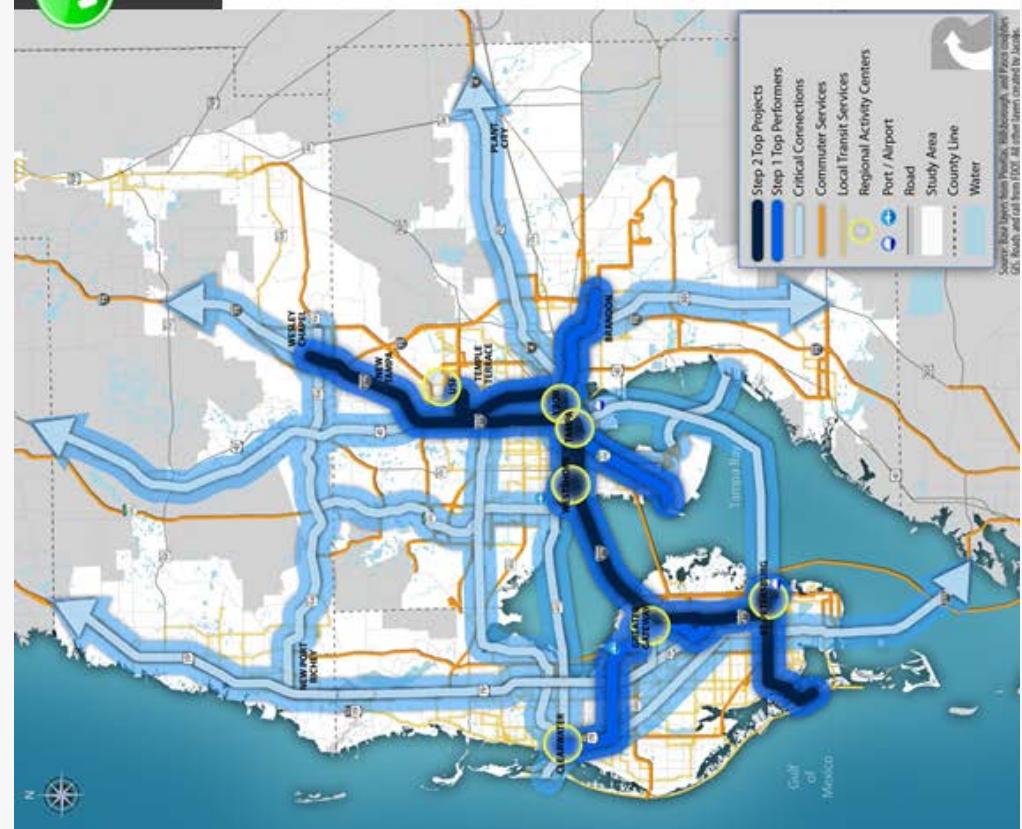
## Freight Mobility



# Regional Transit Feasibility Plan

- Top Performing Projects

- Supporting corridors



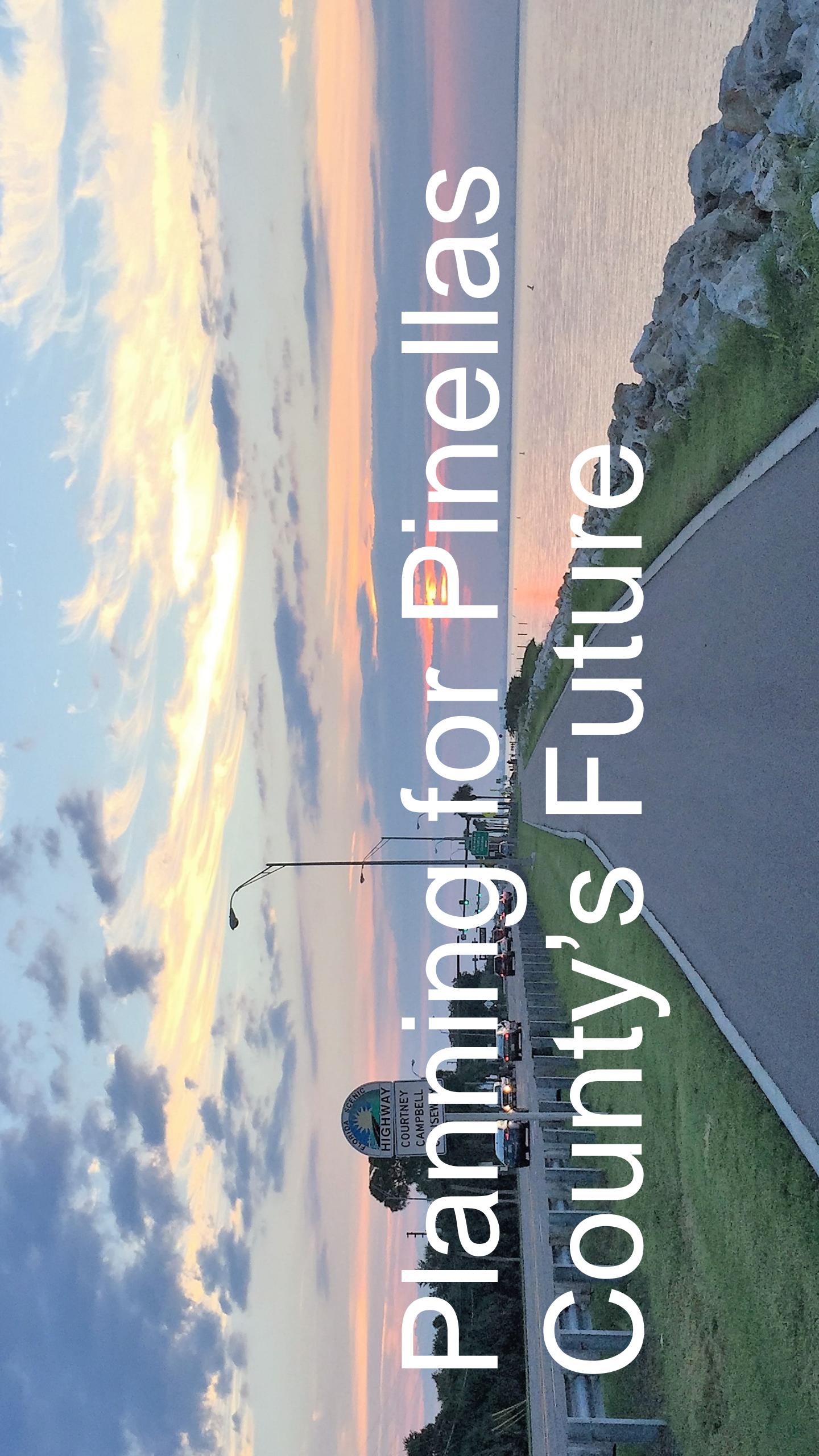
Projects that have the greatest potential to be funded (compete for state and federal grants)

## Preliminary **Medium** FTA Rating:

- (I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg

- (CSX North) Downtown Tampa to USF





planning for Pinellas  
County's Future



## Adapt Means ...

- Responding to a shifting economic market
- Planning for changing demographics
- Recognizing vulnerability to environmental factors
- Embracing technology
- Understanding a changing policy environment



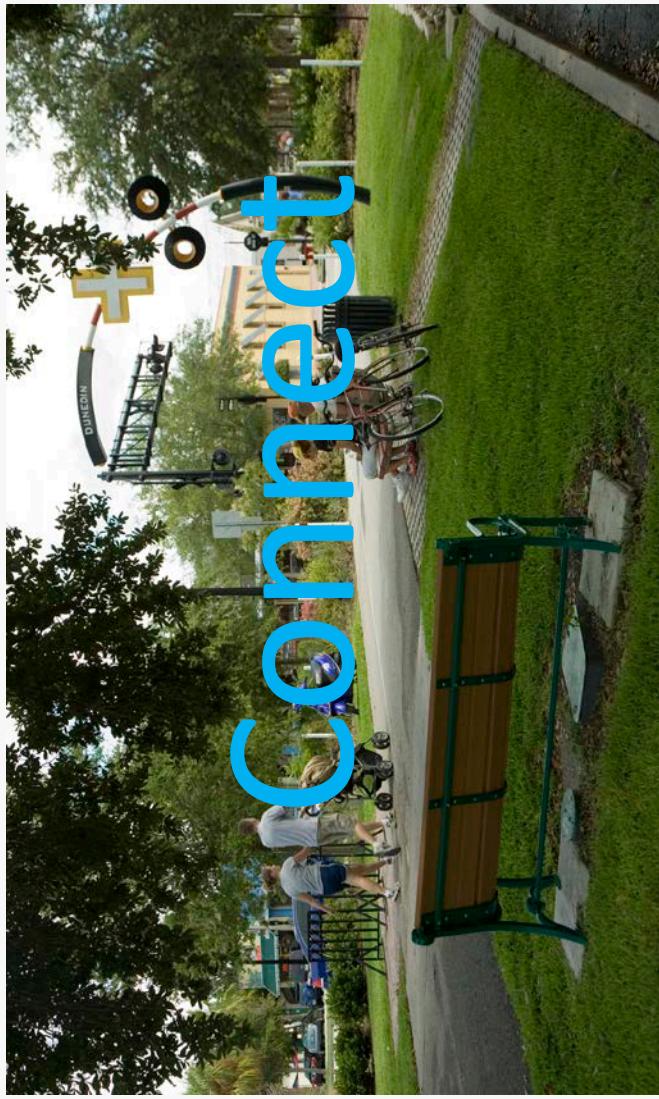
## Build Means ...

- Guiding planned growth to right locations
- Building community and building capacity
- Building trust in the process through greater transparency
- Building connected networks



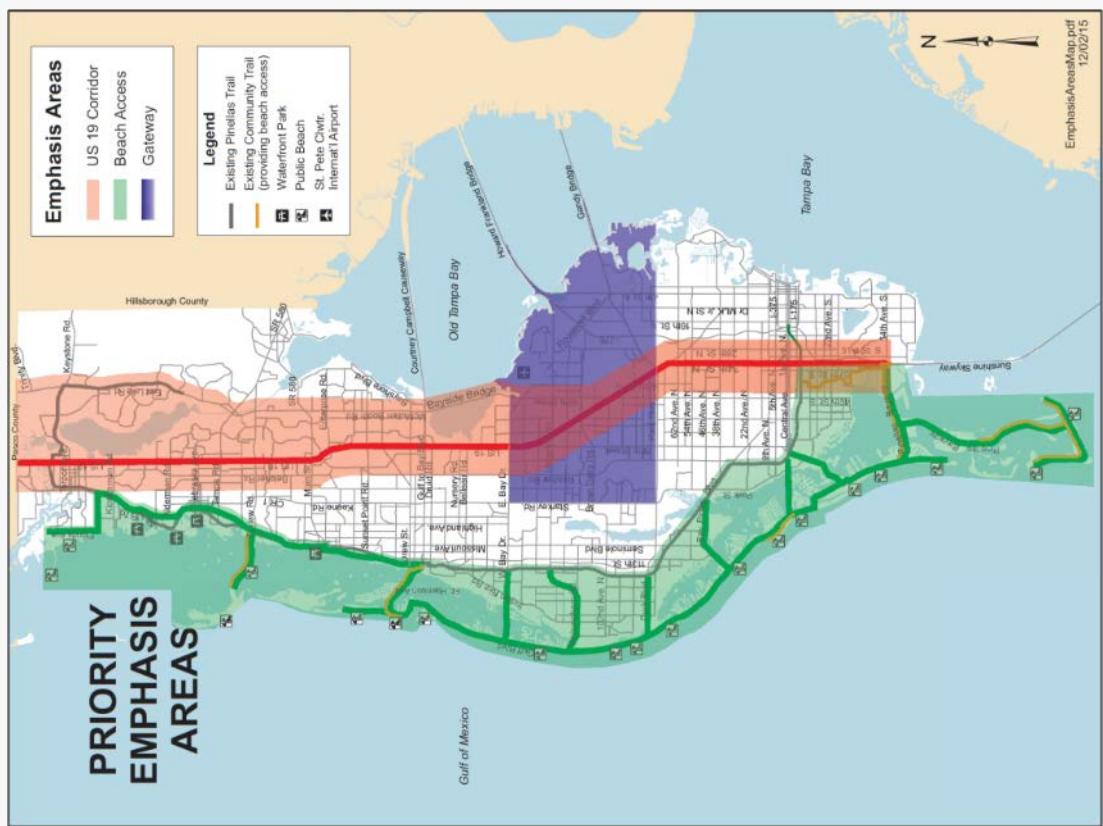
## Connect Means ...

- Work as one region to unite our communities and districts through transportation
- Strengthen our transportation networks for all modes to provide real choices
- Reinforce a sense of identity and attachment to place
- Provide avenues for productive and meaningful dialogue



# Pinellas SPOTlight Initiative

- Strategic emphasis topics that feed directly into the Long Range Plan
  - Economic analyses
  - Land use visioning
  - Evaluation of access to transit
  - Identification of key transportation investments
  - Application of Complete Streets principles

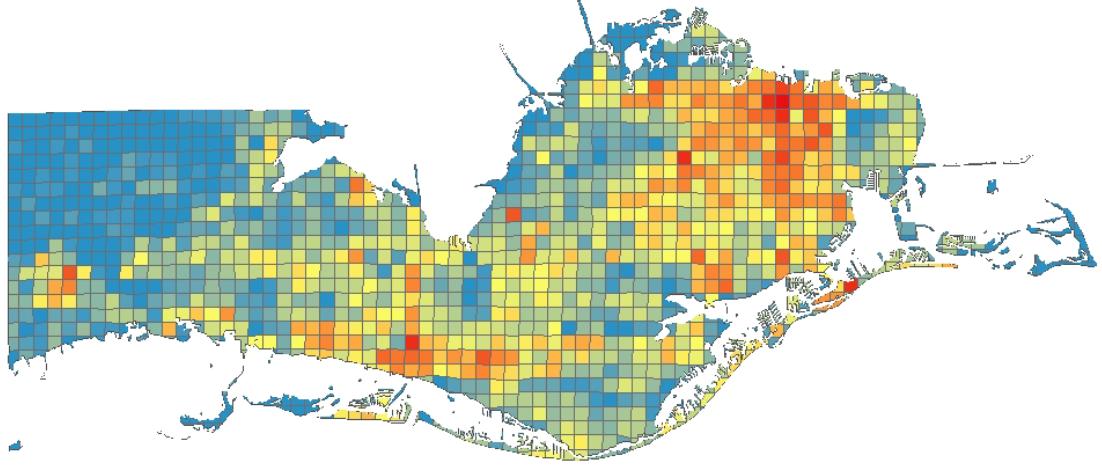


# The 2045 Long Range Transportation Plan

- Advances transportation projects that support the countywide land use vision
  - Projects future growth and travel trends
  - Sets transportation funding priorities
  - Defines a policy framework



# Key Objectives for the LRTP



- One integrated plan that addresses corridor modal priorities
  - PSTA Community Bus Plan
  - Bicycle and Pedestrian Master Plan
  - Complete Streets screening and selection
  - Intelligent Transportation Systems
- Role of emerging technology on plan outcomes
- Resilience strategy for land development and infrastructure
  - Funding strategy for transit investment



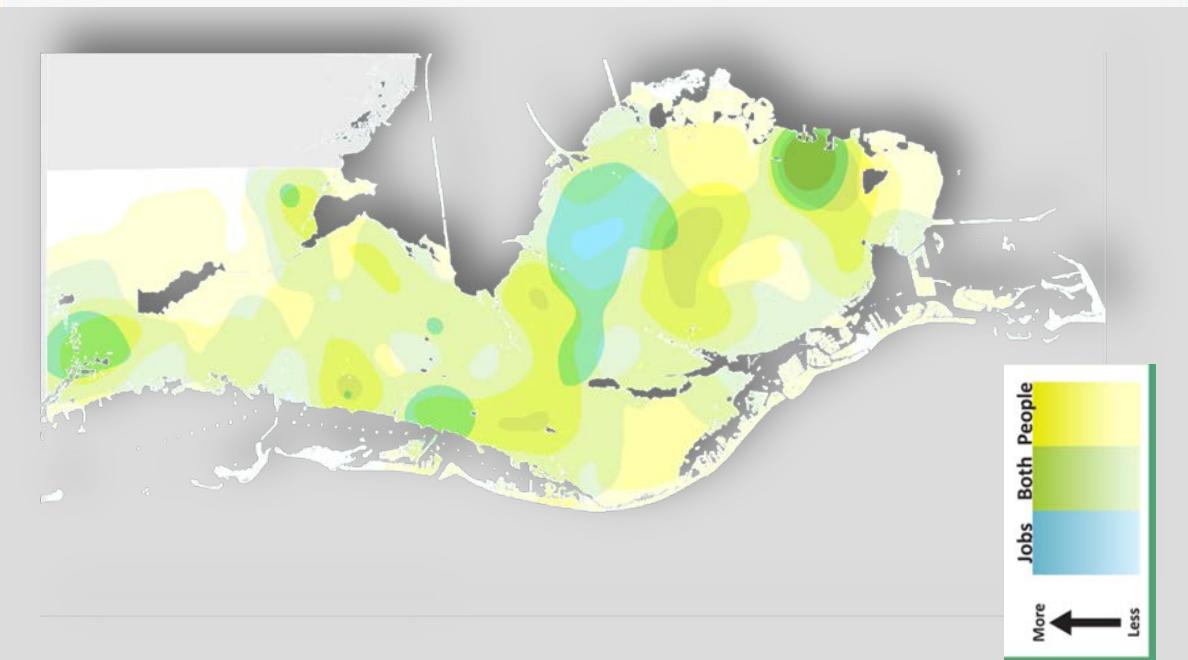
# Adapt • Build • Connect – the planning process



# Phase I: Data Development

Through mid-2018

- Project population & employment growth
- Identify demographic changes
- Focus Group 1 – What are the key issues?
- Statistically valid survey of the public
- Coordination with PSTA
  - On board survey of transit riders



## Phase II: Alternatives Development and Analysis

2018

- Focus Group #2 – What are our needs and how should we best satisfy them?

- Identify and test various scenarios to meet those needs

- Development/Redevelopment
- Transportation Investments
- Impact on Land Use
- Impacts of Technology
- Collaboration with PSTA & regional partners

- Complete streets screening

- Bicycle/pedestrian master plan



## Phase III: Financial Implications and Priorities

Late 2018 – early 2019

- Identify revenues available for transportation improvements
- Prioritize investments to support the land use vision
- Match revenues with priorities – what can we reasonably assume we can fund by 2045?

- Focus Group #3 – Did we get it right?



## Phase IV: Vision Strategy

- June – November 2019
- Defining policy & developing messages
- Broad and targeted outreach
- Explaining the outcomes of the Plan to the public
- Garnering support to move forward
- Plan adoption





Hillsborough MPO  
Metropolitan Planning  
for Transportation



Moving Forward  
Together



# Questions / Discussion

*wblanton@forwardpinellas.org*

727-464-8250





# Regional Transit Feasibility Plan

A ROUTE MAP TO IMPLEMENTATION

**What is the project to be built?**



**Regional Transit  
Feasibility Plan**

A ROUTE MAP TO IMPLEMENTATION

(Emphasis of the Regional  
Transit Feasibility Plan)

**How is it funded?**

**Who is responsible for building and  
maintaining it?**

**1**

**2**

**3**

## Traveling to Our Regional Centers in 2040...

Source: Adopted MPO Long Range Transportation Plans (Hillsborough, Pasco, and Pinellas)



### More Miles Traveled

Cost Feasible in Long Range Plans



### More Miles of New Lanes

Cost Feasible in Long Range Plans



219%

### Increase in Delay Due to Congestion

Cost Feasible in Long Range Plans

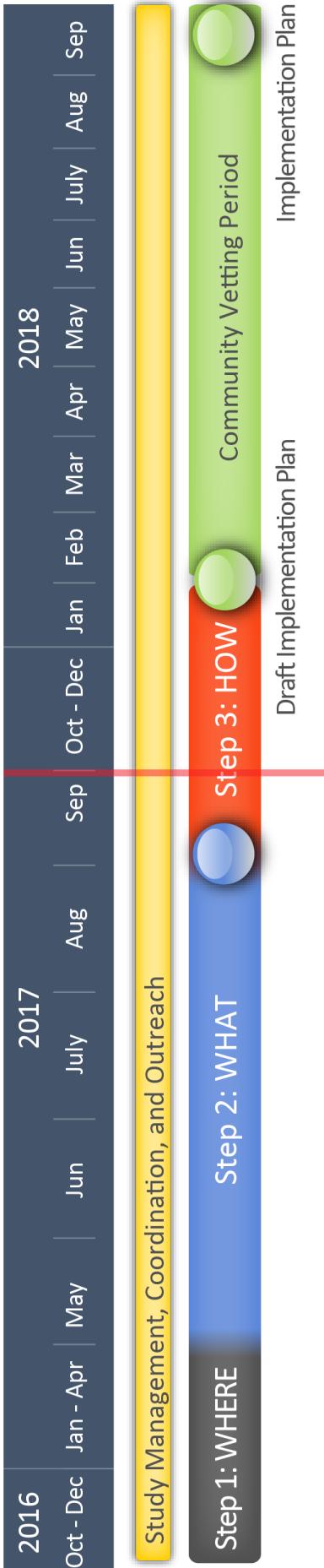
# Number of Projects Over the Past 30+ Years in Tampa Bay



## Purpose of the Plan

- Projects that have the greatest potential to be funded (compete for state and federal grants) and implemented
- Projects that are the most forward thinking and make the best use of today's technology
- Projects that best serve our region today while supporting tomorrow's growth

# SCHEDULE AND OUTREACH



-  **90+** Presentations/meetings
-  **600+** Participants
-  **7,000+** Website visits
-  **500+** Social media posts
-  **14+** New Articles
-  **450+** Comments Received

# WHAT WE'VE HEARD

- “Autonomous vehicles are a no brainer”
- “Need frequent rail transit”
- “Need a connection to the airport”
- “Use CSX”
- “Focus on economic growth”
- “Stop talking, start building”
- “Rethink oil roads”
- “Shift to electric vehicles or mass transit”
- “We left the oil roads behind”

**STEP 1:** WHERE ARE THE TOP  
PERFORMING  
CONNECTIONS?

**STEP 2:** WHAT ARE THE BEST  
PROJECTS?

**STEP 3:** HOW AND WHEN ARE  
PROJECTS BUILT?

# Purpose of the Plan



Projects that have the greatest potential to be funded (compete for federal grants) and implemented

## Step One Evaluation Criteria

- Most studied
- Activity centers served
- Trips to activity centers
- Jobs and population per mile
- Amenities
- Transit Oriented Development (TOD) policies and
- Community Reinvestment Areas (CRAs) served
- Resiliency

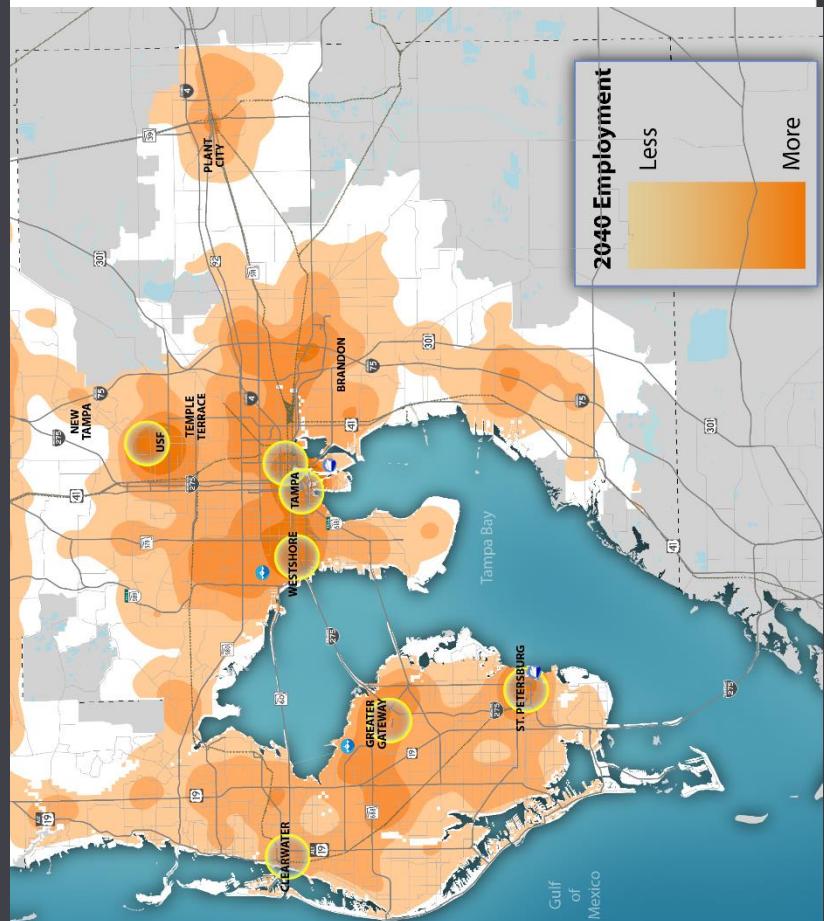


# Purpose of the Plan

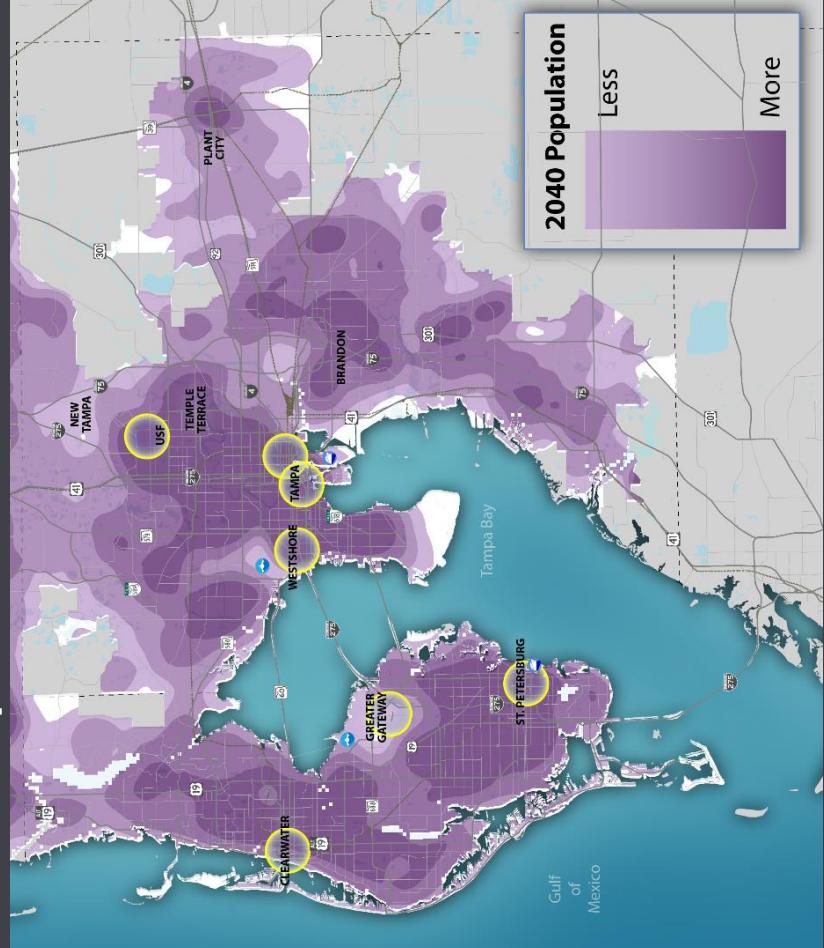


Projects that best serve our region today while supporting tomorrow's growth

## Job Centers

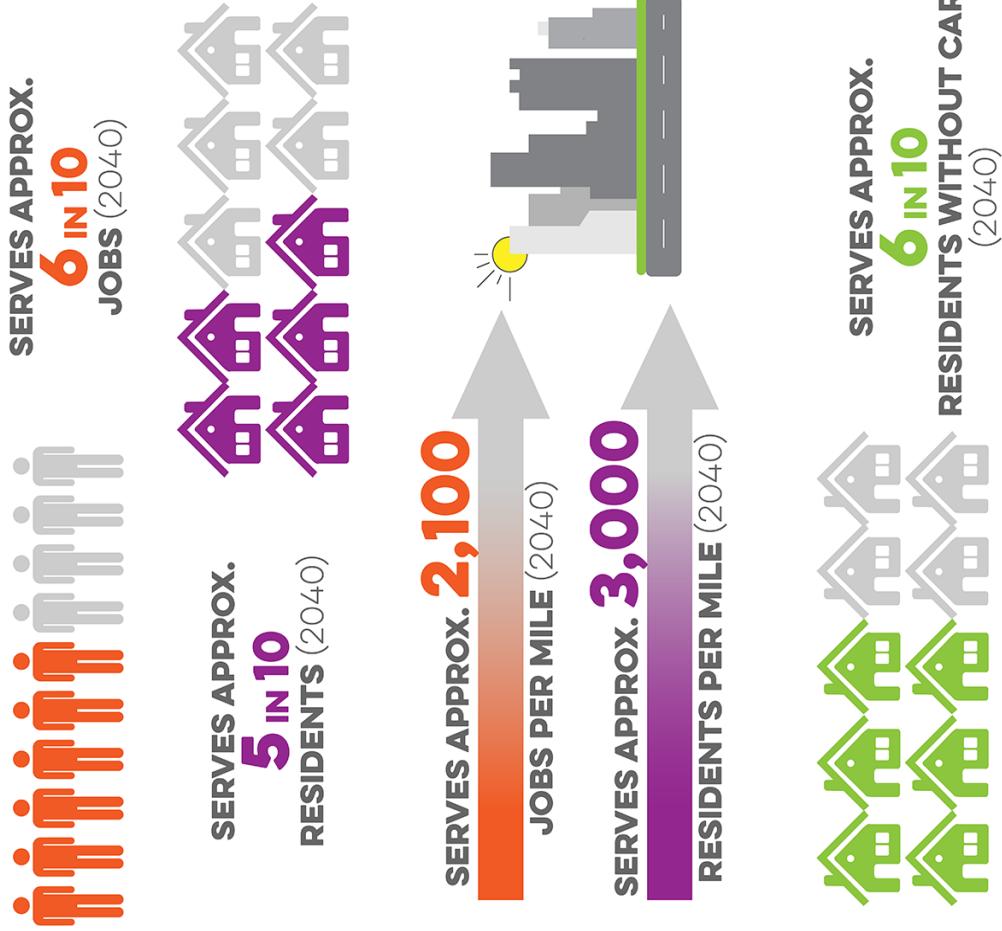
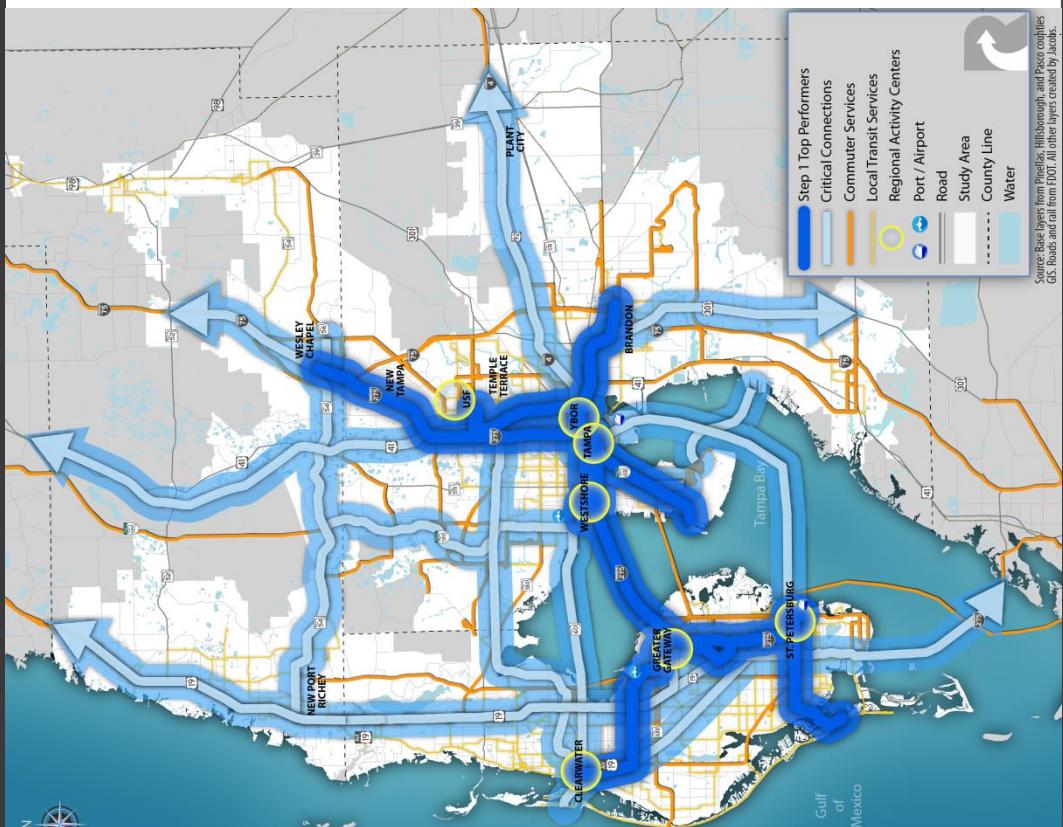


## Population Centers



# REGIONAL TRANSIT VISION

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

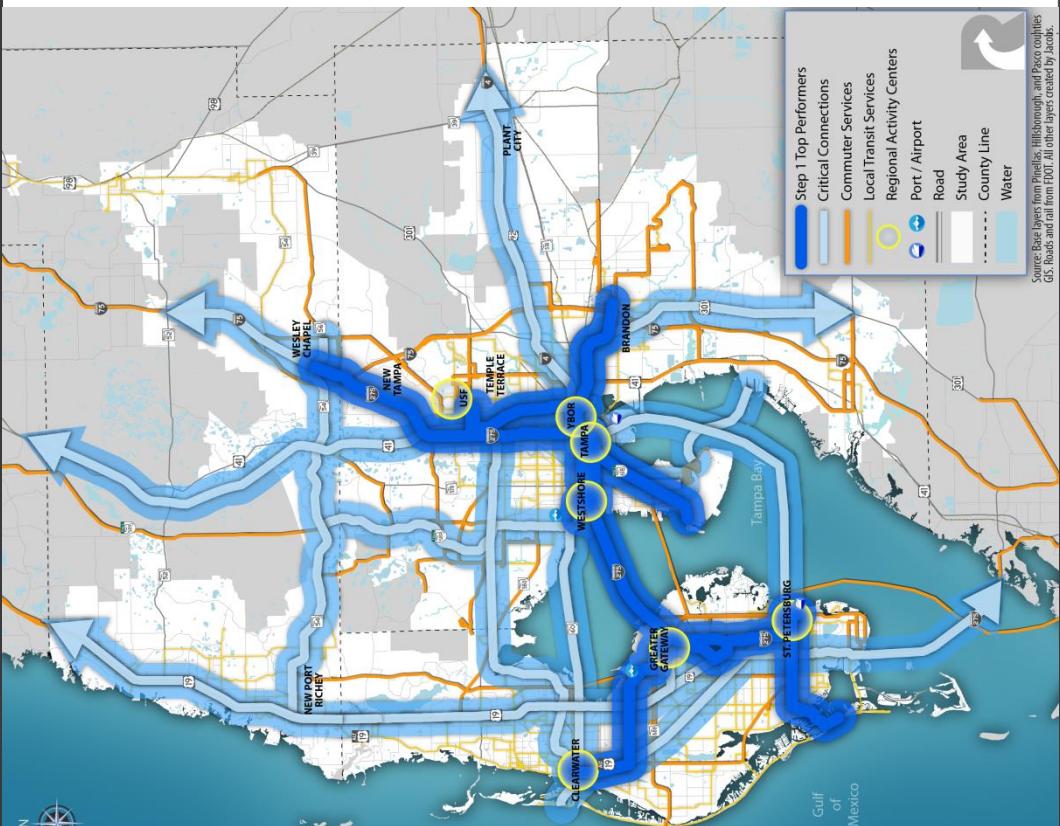


# REGIONAL TRANSIT VISION

## Vision for Tampa Bay region and for all stakeholders

“What about our gateway connection or connection to our urban centers?”

“St. Pete to Tampa is where we live and work”



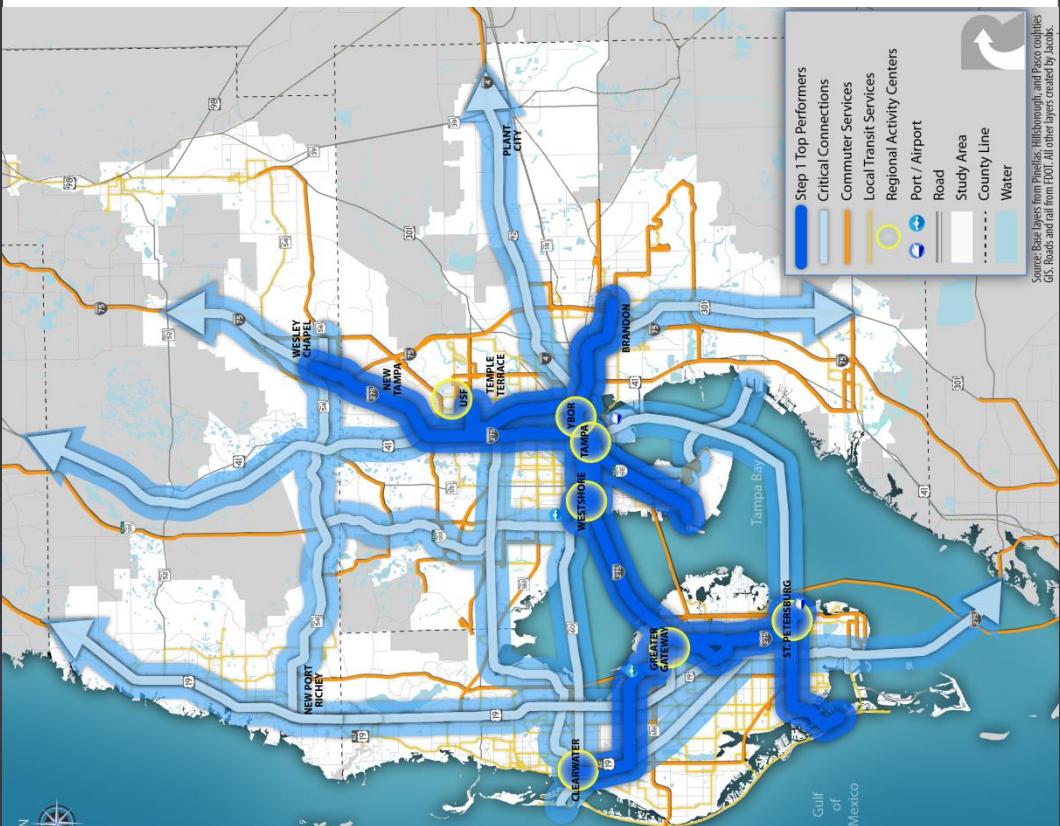
# REGIONAL TRANSIT VISION

## REGIONAL TRANSIT VISION

Top Performing Connections

Top Performing Projects

Implementation Plan



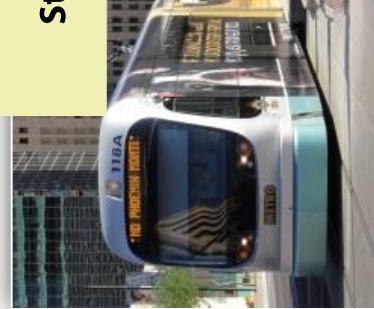
# CHOOSING MODES

- Understanding the travel needs of riders along and near each of the top connections illustrates which modes best serve that need, such as:
  - Capacity
  - Average Trip Distance
  - Type of Work Trips
  - Population Characteristics

## Ferry and Aerial Propelled Transit



## Steel Wheel or Rail Transit



## Rubber Tire Rapid Transit



# EMERGING AUTONOMOUS SOLUTIONS

- ✓ Projects that have the greatest potential to be funded (compete for state & federal grants) and implemented
- ✓ **PROJECTS THAT ARE THE MOST FORWARD THINKING AND MAKE THE BEST USE OF TODAY'S TECHNOLOGY**
- ✓ Projects that best serve our region today while supporting tomorrow's growth

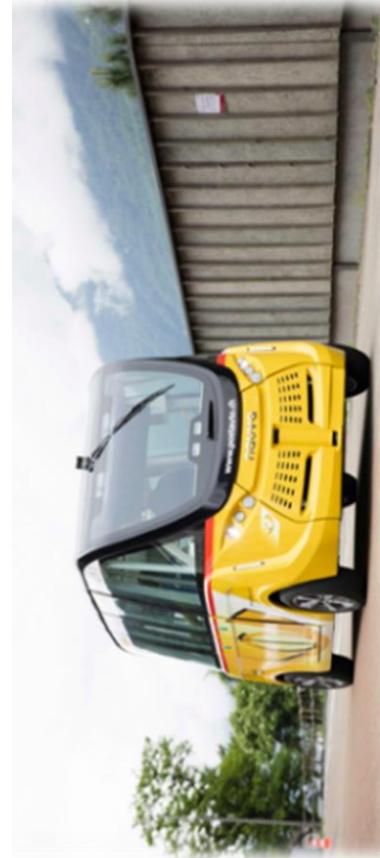


## Autonomous Solutions

- Rail
- Rubber Tire

# EMERGING AUTONOMOUS SOLUTIONS

**NAVYA ARMA SHUTTLE** Operating in Switzerland and France



**EASYMILE** Operating in the Netherlands, Australia, Singapore



**MITSUBISHI** Delivered to Tampa International Airport



**2GETTHERE** Operating in Netherlands



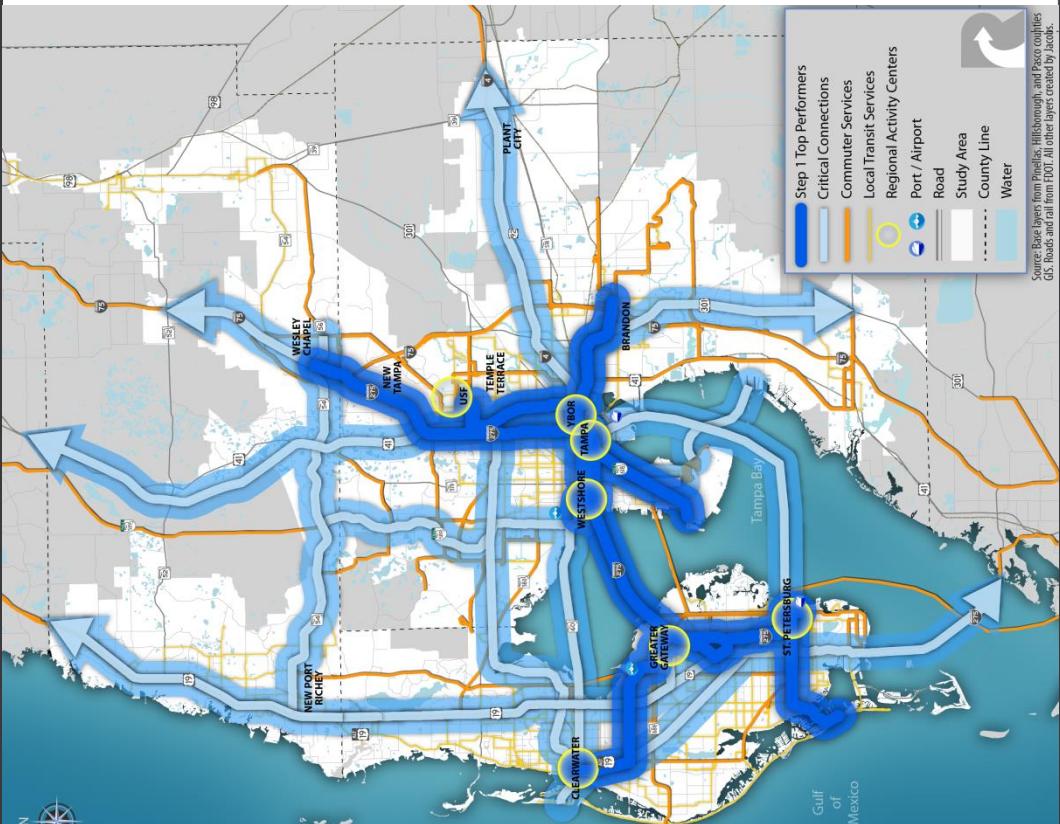
# REGIONAL TRANSIT VISION

## REGIONAL TRANSIT VISION

Top Performing Connections

Top Performing Projects

Implementation Plan



# STEP 2 “WHAT”: TOP PERFORMING PROJECTS



5 connections

65+ connections

3 projects  
in order

Best serves our region  
today while supporting  
tomorrow's growth

Compete for state  
and federal grants

## PRELIMINARY FTA RATING

Mobility, environmental benefits, congestion relief, cost effectiveness, and land use

## RETURN ON INVESTMENT

Annual crash reduction cost, farebox, energy savings, greenhouse gas and air quality, increased revenue compared to annual capital and operating costs

## IMPACTS

Utility, noise, natural, and cultural resource impacts

## BENEFITS

Serves employment and population growth (2040), elderly, low income, and minority populations

## PUBLIC OPINION

Workshops and website survey



# STEP 2 PROJECTS: TECHNICAL RANKING

Rank	Connection	Mode
<b>1</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Rubber Tire in Exclusive Lane
<b>1</b>	(CSX North) Downtown Tampa to USF	Rubber Tire in Exclusive Lane
<b>3</b>	(CSX North) Downtown Tampa to USF	Light Rail
<b>4</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Light Rail
<b>5</b>	Westshore to Brandon	Rubber Tire in Exclusive Lane
<b>6</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Rubber Tire in Toll Lanes
<b>6</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Commuter Rail
<b>6</b>	(CSX North) Downtown Tampa to USF	Commuter Rail
<b>9</b>	Westshore to Brandon	Light Rail
<b>10</b>	(CSX South) South Tampa to Downtown Tampa	Light Rail
<b>11</b>	Clearwater, Gateway, St. Petersburg	Rubber Tire in Exclusive Lane
<b>12</b>	Clearwater, Gateway, St. Petersburg	Light Rail
<b>13</b>	Westshore to Brandon	Commuter Rail
<b>13</b>	(CSX South) South Tampa to Downtown Tampa	Rubber Tire in Exclusive Lane
<b>13</b>	(CSX South) South Tampa to Downtown Tampa	Elevated Rail

# STEP 2 PROJECTS: PUBLIC OPINION RANKING

Rank	Connection	Mode
<b>1</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Light Rail
<b>2</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Rubber Tire in Exclusive Lane
<b>3</b>	(CSX North) Downtown Tampa to USF	Light Rail
<b>4</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Commuter Rail
<b>5</b>	Clearwater, Gateway, St. Petersburg	Light Rail
<b>6</b>	(CSX South) South Tampa to Downtown Tampa	Light Rail
<b>7</b>	Westshore to Brandon	Light Rail
<b>8</b>	(CSX North) Downtown Tampa to USF	Commuter Rail
<b>9</b>	(CSX North) Downtown Tampa to USF	Rubber Tire in Exclusive Lane
<b>10</b>	Westshore to Brandon	Rubber Tire in Exclusive Lane
<b>11</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Rubber Tire in Toll Lane
<b>12</b>	Clearwater, Gateway, St. Petersburg	Rubber Tire in Exclusive Lane
<b>13</b>	Westshore to Brandon	Commuter Rail
<b>14</b>	(CSX South) South Tampa to Downtown Tampa	Rubber Tire in Exclusive Lane
<b>15</b>	(CSX South) South Tampa to Downtown Tampa	Elevated Rail

# STEP 2 PROJECTS: PRELIMINARY RANKING

Rank	Connection	Mode
<b>1</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Light Rail
<b>2</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Rubber Tire in Exclusive Lane
<b>3</b>	(CSX North) Downtown Tampa to USF	Light Rail
<b>4</b>	(CSX North) Downtown Tampa to USF	Rubber Tire in Exclusive Lane
<b>5</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Commuter Rail
<b>5</b>	(CSX North) Downtown Tampa to USF	Commuter Rail
<b>7</b>	Westshore to Brandon	Rubber Tire in Exclusive Lane
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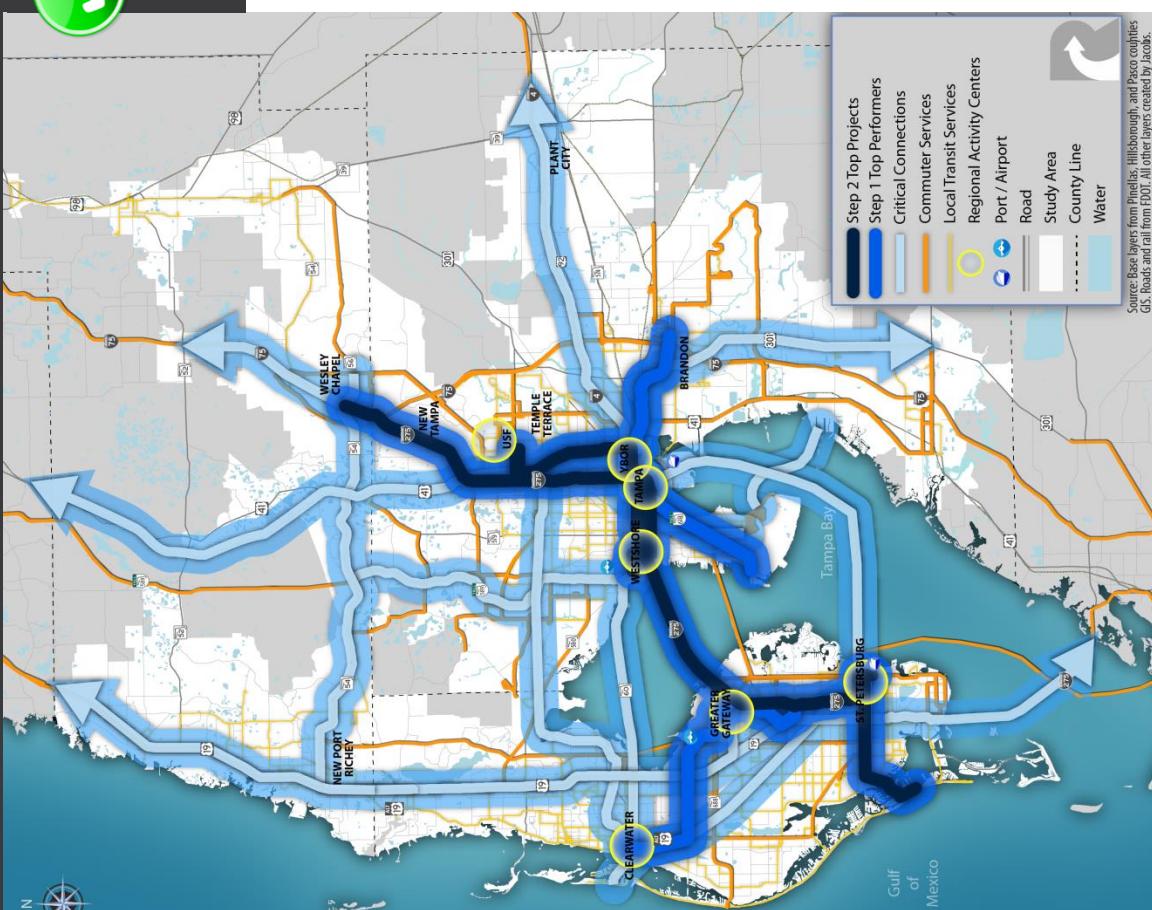
# STEP 2 RESULTS: TOP PERFORMING PROJECTS

Projects that have the greatest potential to be funded (compete for state and federal grants)

## Preliminary Medium FTA Rating:

- (I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg

- (CSX North) Downtown Tampa to USF

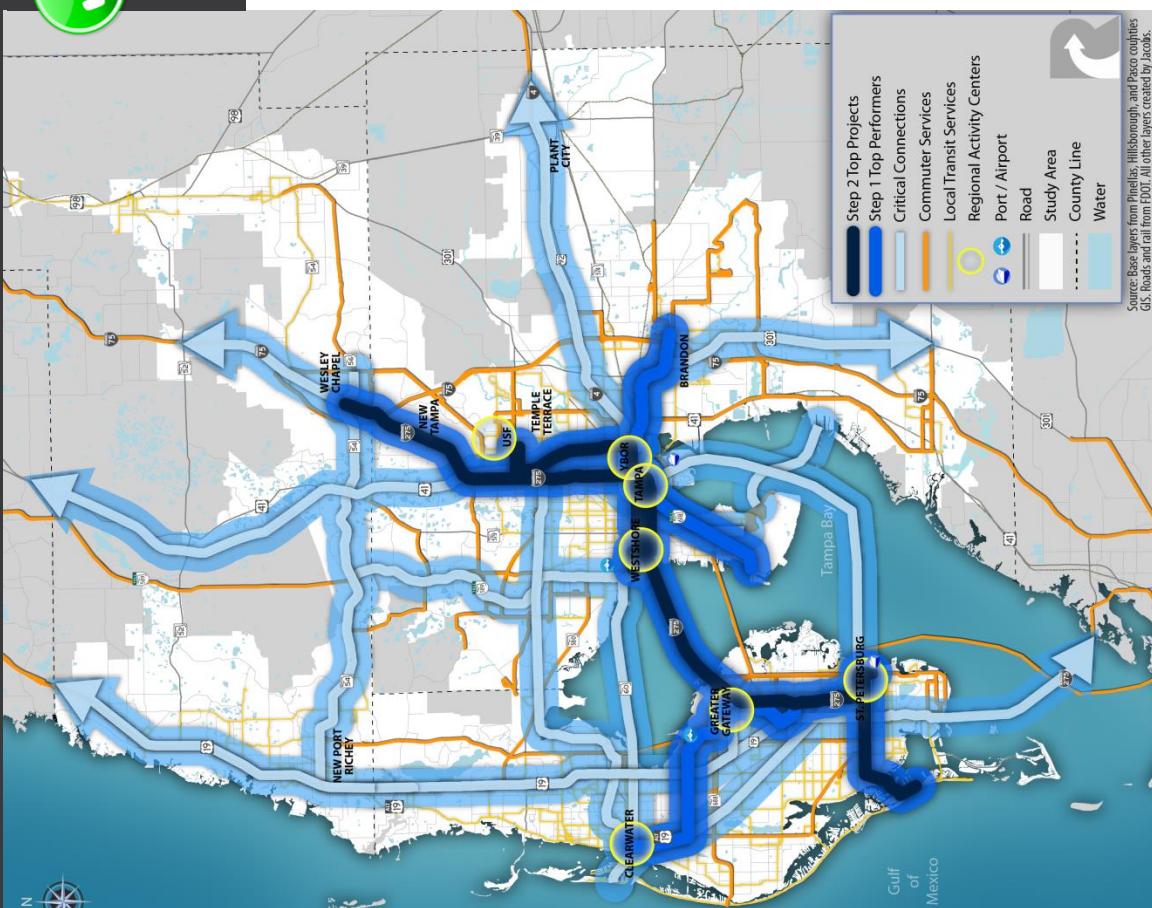


# STEP 2 RESULTS: TOP PERFORMING PROJECTS

Projects that are the most forward thinking and make the best use of today's technology

## Technology:

- All recommendations should consider infrastructure improvements that support autonomy and advanced communication systems



# STEP 2 RESULTS: TOP PERFORMING PROJECTS

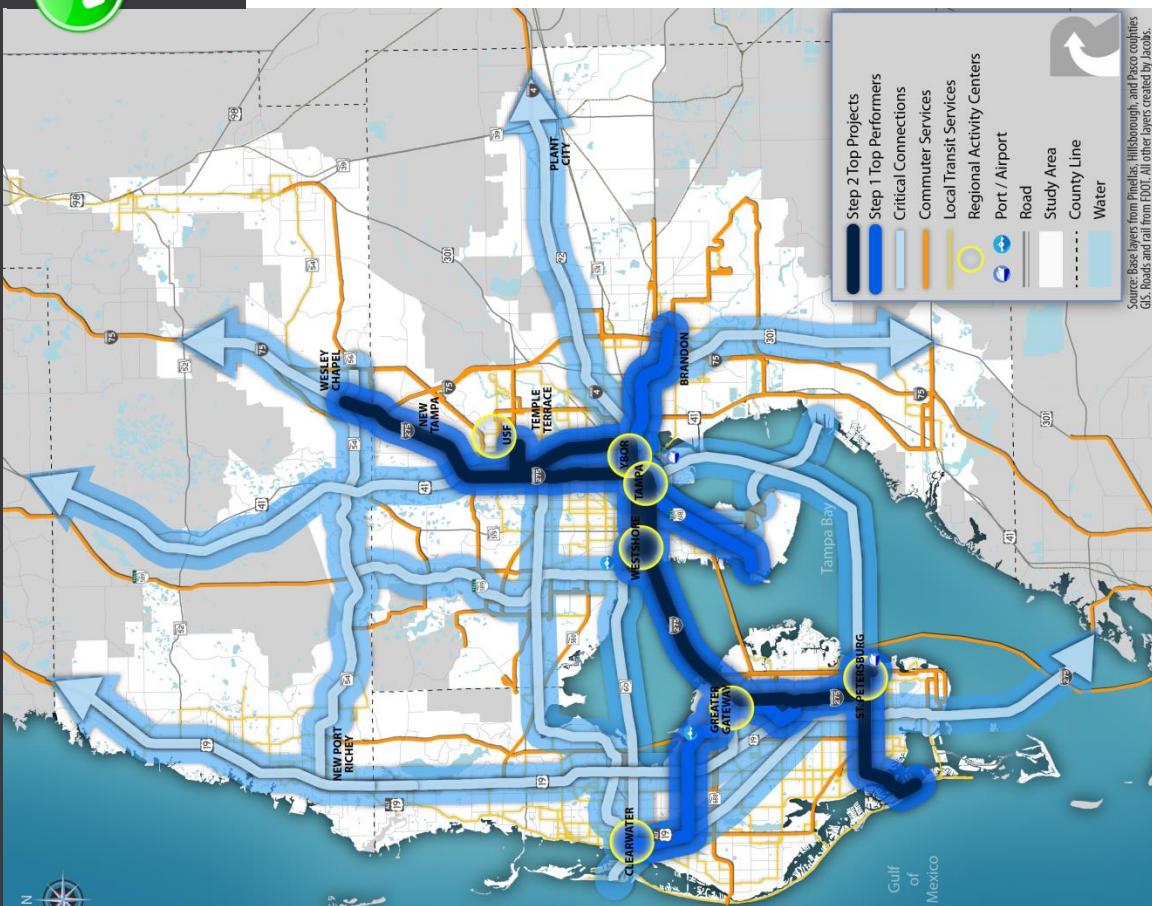


Projects that best serve our region today while supporting tomorrow's growth

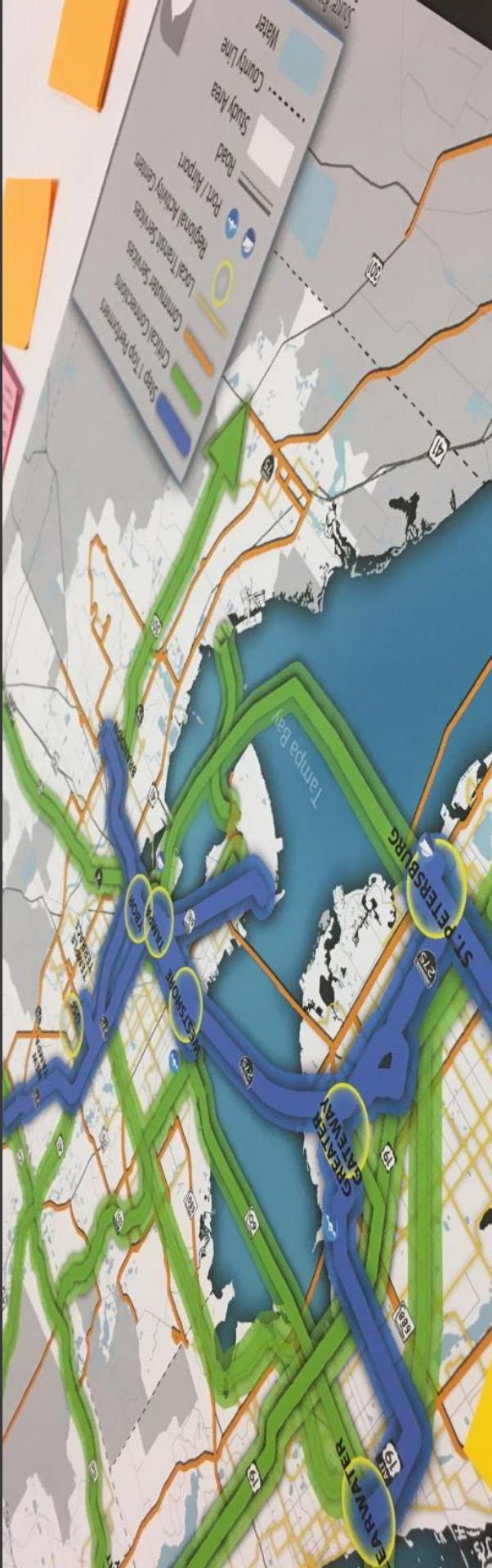
## Projects that provide the greatest community benefits:

- Wesley Chapel, USF, Tampa, Gateway, St. Petersburg

- Downtown Tampa to USF



# NEXT STEPS



- Alignments
- Value Engineering (revisiting performance)
- Phasing
- Prioritizing for implementation



# Regional Transit Feasibility Plan

A ROUTE MAP TO IMPLEMENTATION

# STEP 2 PROJECTS: PUBLIC OPINION BY COUNTY

## Pasco County

Rank	Connection	Mode
<b>1</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Rubber Tire in Exclusive Lane
<b>2</b>	(CSX North) Downtown Tampa to USF	Commuter Rail
<b>3</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Light Rail
<b>3</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Commuter Rail

## Hillsborough County

Rank	Connection	Mode
<b>1</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Light Rail
<b>2</b>	(CSX North) Downtown Tampa to USF	Light Rail
<b>3</b>	(CSX South) South Tampa to Downtown Tampa	Light Rail

## Pinellas County

Rank	Connection	Mode
<b>1</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Light Rail
<b>2</b>	Clearwater, Gateway, St. Petersburg	Light Rail
<b>3</b>	(I-275) Wesley Chapel, USF, Tampa, Gateway, St. Petersburg	Rubber Tire in Exclusive Lane