



BRADENTON

TRANSFORM
TOMORROW

Call to Order and Confirmation of Quorum
-MPO Chair, Mayor Shirley Groover Bryant, City of Palmetto

Invocation and Pledge of Allegiance
-MPO Vice Chair, Commissioner Liz Alpert, City of Sarasota



Welcome and Introductions

-MPO Chair, Mayor Shirley Groover Bryant



Overview

Leigh Holt
Sarasota/Manatee MPO



- Plan for 25 years
- Update every 5 years
- Cost feasible plan
- Project priorities



2045 Long Range Transportation Plan



2045 Long Range Transportation Plan REQUIREMENTS



- National Goals
- Federal Planning Factors
- FL Statutory Mandates
- FDOT Emphasis Areas
- MPO Goals and Objectives



National Goals and Planning Factors

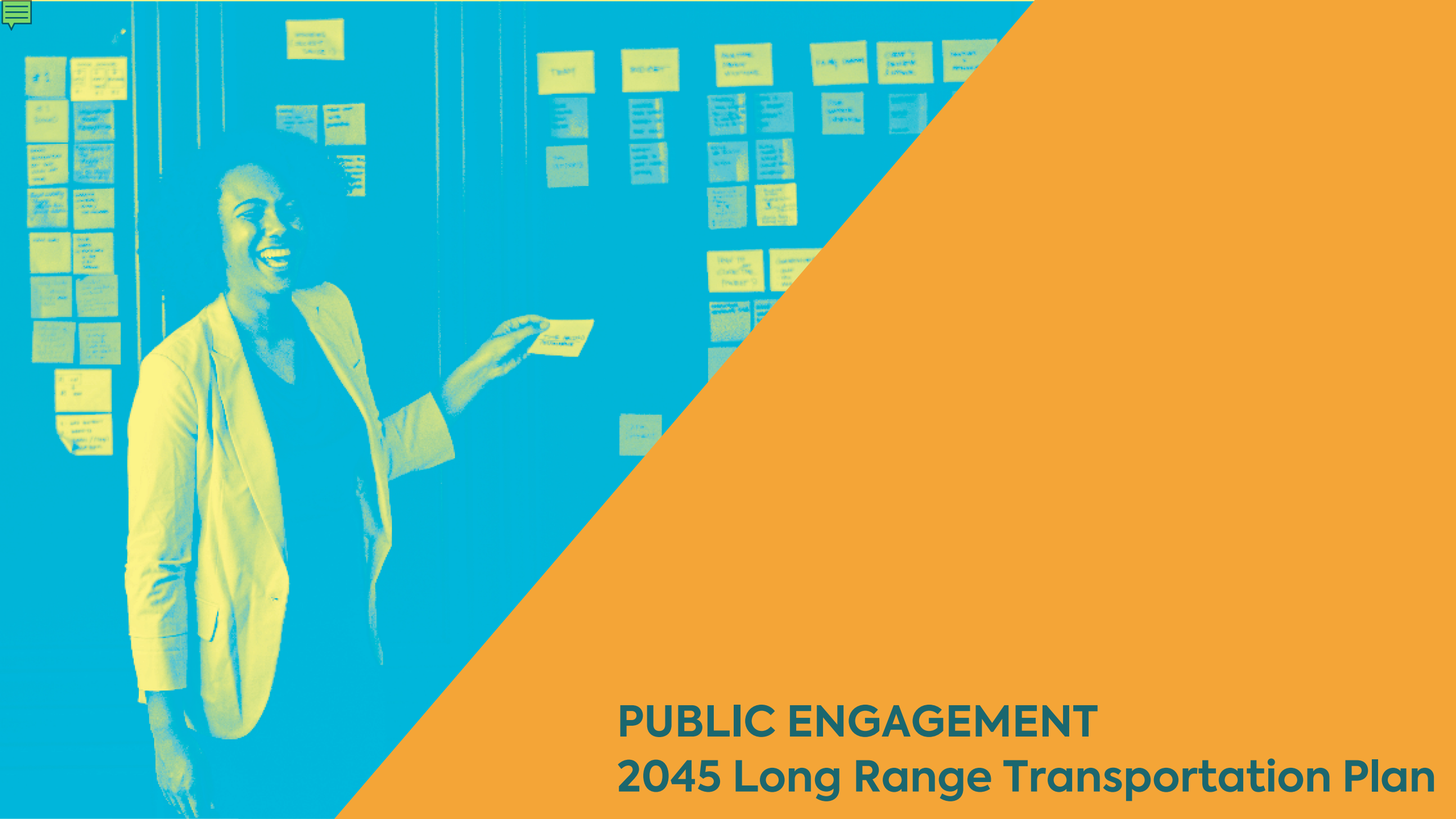
Safety	Infrastructure Condition	Congestion Reduction	System Reliability	Freight & Economic Vitality	Environmental Sustainability	Reduce Project Delivery Delays
Significant reduction in traffic fatalities and serious injuries on all public roads. <ul style="list-style-type: none">• Increase the safety of the transportation system for motorized and non-motorized users• Increase the security of the transportation system for motorized and non-motorized users	Maintain highway infrastructure in a state of good repair. <ul style="list-style-type: none">• Emphasize the preservation of the existing transportation system• Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation	Significant reduction in congestion. <ul style="list-style-type: none">• Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight	Improve efficiency of surface transportation system. <ul style="list-style-type: none">• Promote efficient system management and operation	Improve national freight network, strengthen rural communities' access to national and international trade markets, support regional economic development. <ul style="list-style-type: none">• Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency• Enhance travel and tourism	Enhance performance of the system while protecting and enhancing the natural environment. <ul style="list-style-type: none">• Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns• Increase the accessibility and mobility of people and freight	Reduce project costs, promote jobs and the economy, expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices.

MPO 2045 L RTP Goals and Objectives

Safety Security	Infrastructure Resiliency	Mobility Reliability	Technology Autonomy	Economy Tourism	Environment Conservation	Equity Livability	Project Delivery
>Decrease vehicle crashes at hazardous locations >Reduce crashes and conflicts between all users and modes >Improve safety for vulnerable users >Improve system for evacuation and recovery >Provide education to increase safety and security	>Preserve and maintain the existing transportation system >Retrofit and replace aging bridges to include multi modal options >Identify and mitigate the effect of extreme weather events on the system	>Promote projects that reduce travel time >Expand transportation options to reduce auto use >Identify and expand connectivity in the regional network >Use best practices to reduce congestion	>Improve operating efficiency using intelligent transportation systems >Identify infrastructure needed for Autonomous/ Connected/Electric /Shared-Use technology	>Stimulate economy in enterprise or economic development zones and opportunity zones >Maintain the regional freight network >Improve access to major tourist destinations	>Reduce vehicle miles traveled >Safeguard critical habitat, wetlands, and endangered species >Support green infrastructure, energy conservation, and natural redevelopment >Achieve climate appropriate tree cover, community-wide >Promote environmental and public health >Increase infill development to reduce urban sprawl	>Increase access to bus stops and transfer stations; and availability of park-n-rides. >Expand access to essential services and affordable housing >Improve access for persons with disabilities >Ensure equity in all transportation decisions	>Analyze project readiness and monitor progress to reduce delay >Prioritize projects with local match and/or public/private partnership >Implement projects recommended from plans, studies, and L RTP

State Planning Emphasis Areas





PUBLIC ENGAGEMENT
2045 Long Range Transportation Plan



PUBLIC ENGAGEMENT AND INVOLVEMENT

- **13** Community Partners
 - Counties, cities, towns, air and sea ports
 - **11** Comprehensive Plans and **2** Master Plans
- **2000+** Online Survey Responses
 - Statistically valid demographic and geographic sample
- **4** TransForums
 - Florida Economy and New Technology
 - Walking, Bicycling, and Transit
 - Land Use, Smart Growth, Resiliency, and Equity
 - Scenarios: Economic Diversity, Environmental Health, and Vibrant Places





The VISION

*you work on today will
determine the direction of the*

2045 Long Range Transportation Plan

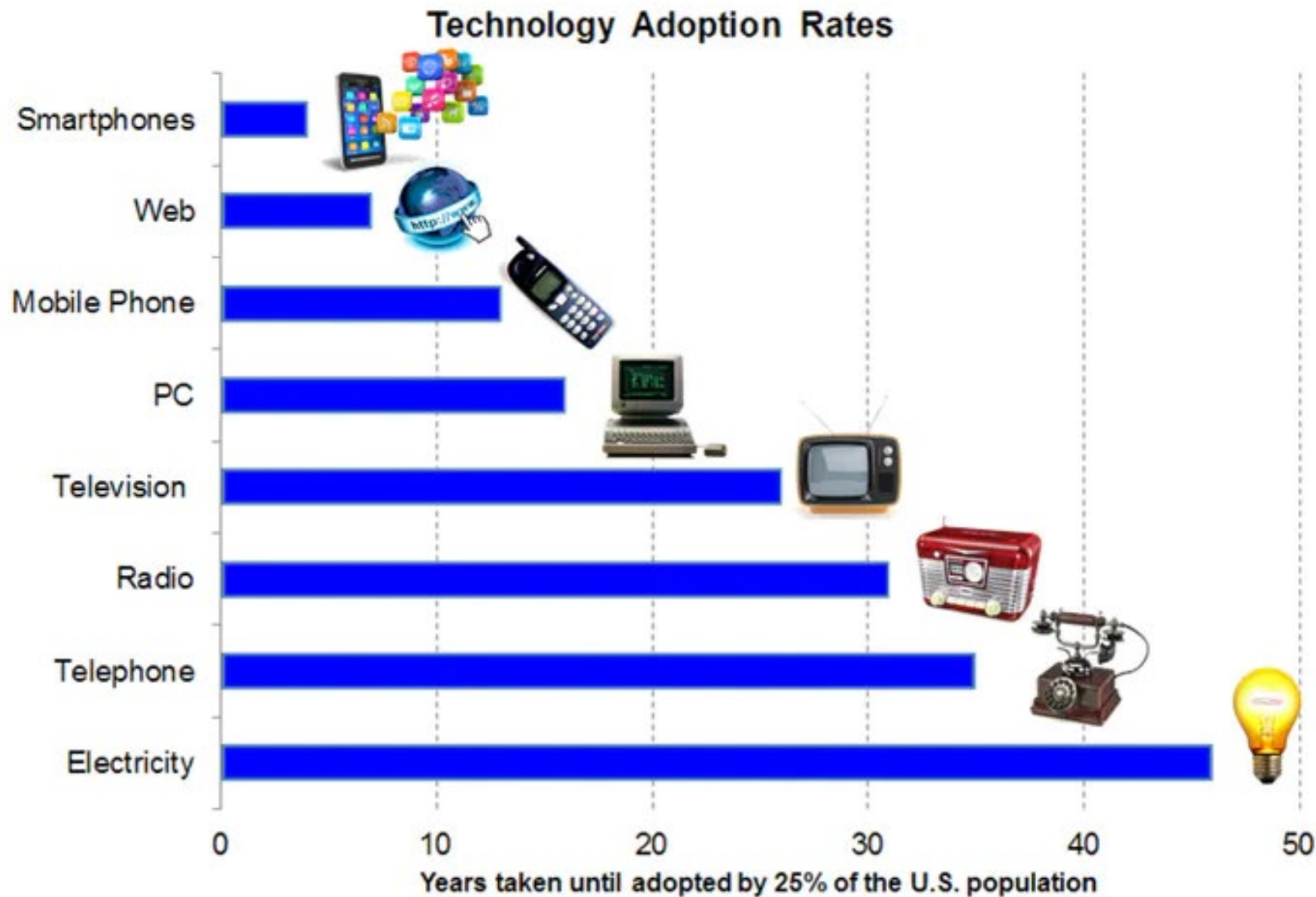
BACK TO THE FUTURE



BACK TO THE FUTURE



BACK TO THE FUTURE



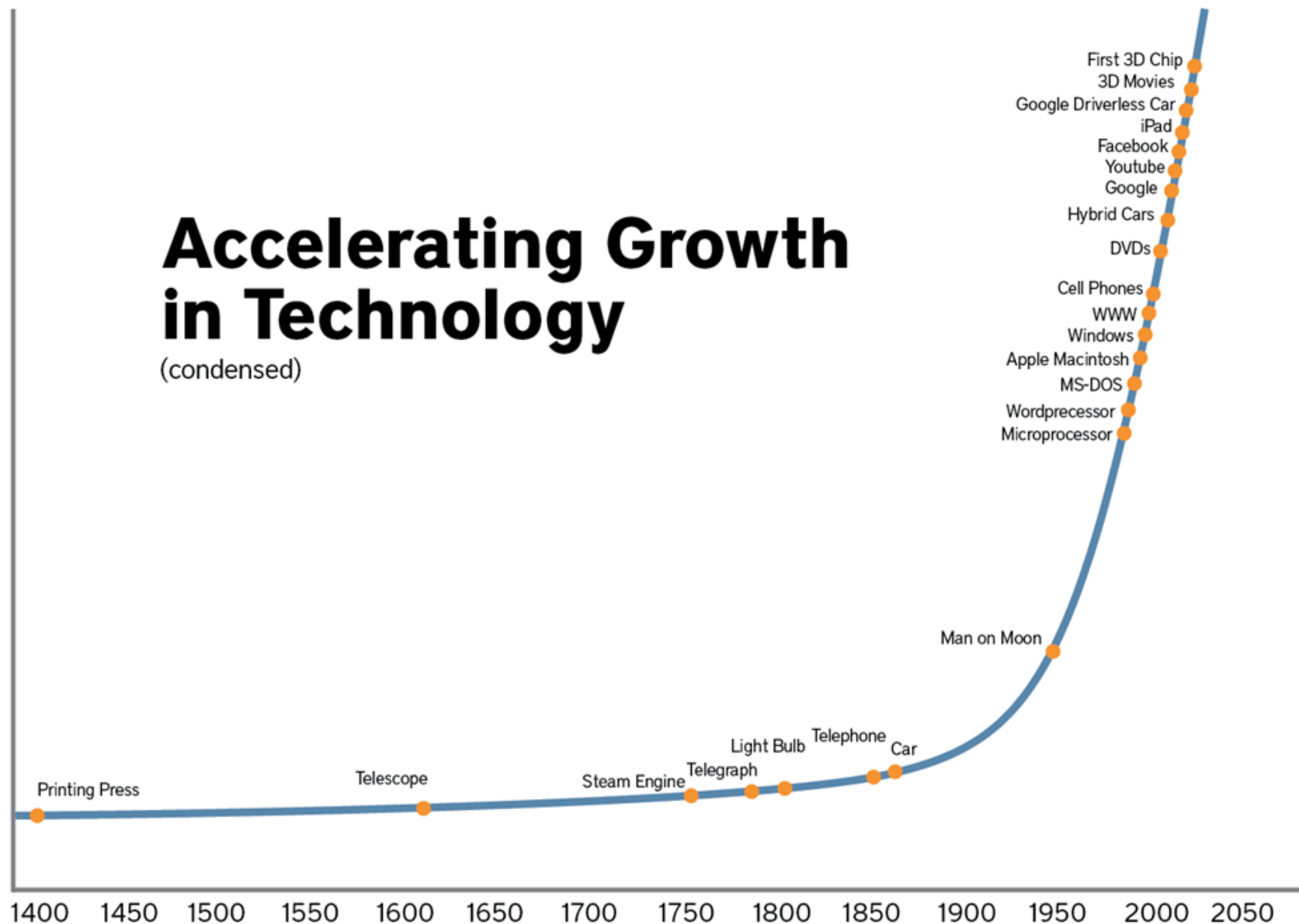
Market Realist

Source: U.S. Census, Wall Street Journal



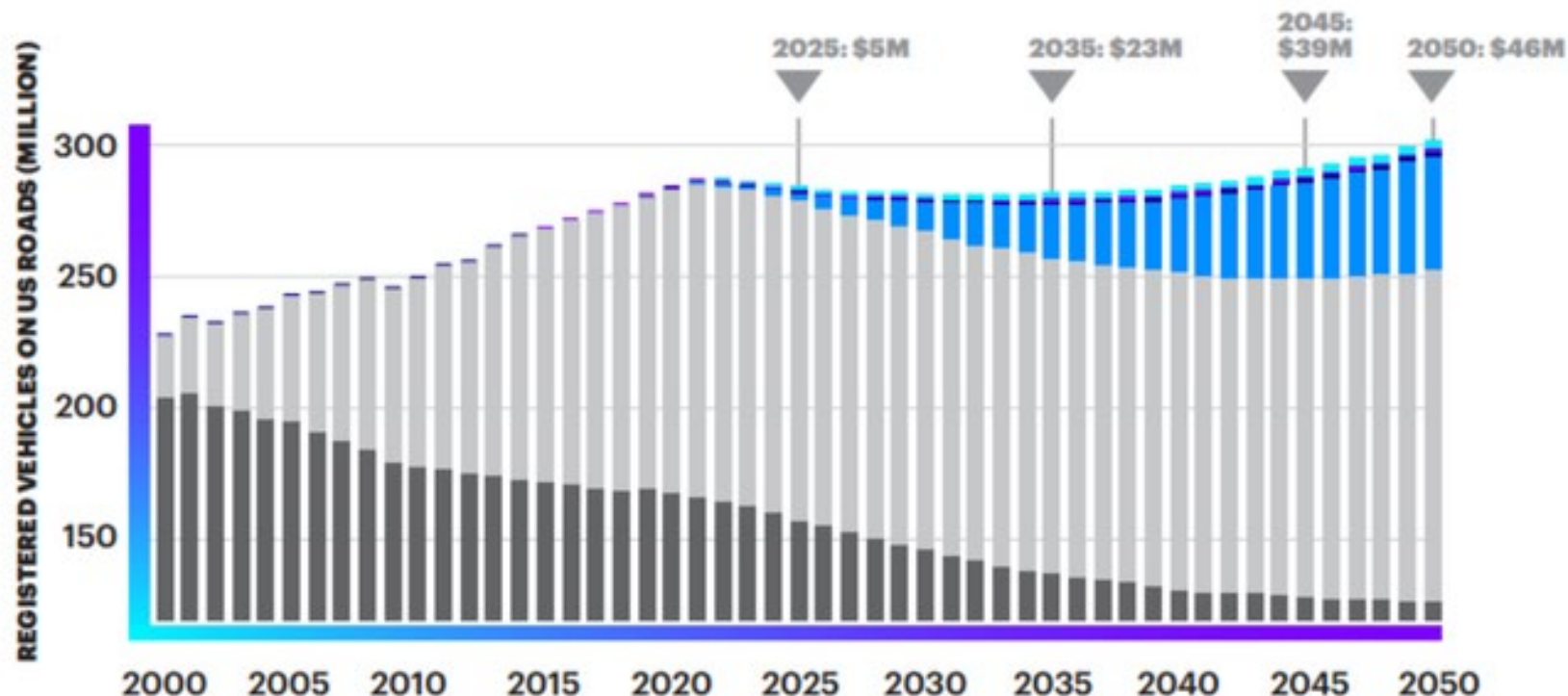
Accelerating Growth in Technology

(condensed)





AUTONOMOUS VEHICLE ADOPTION FORECAST



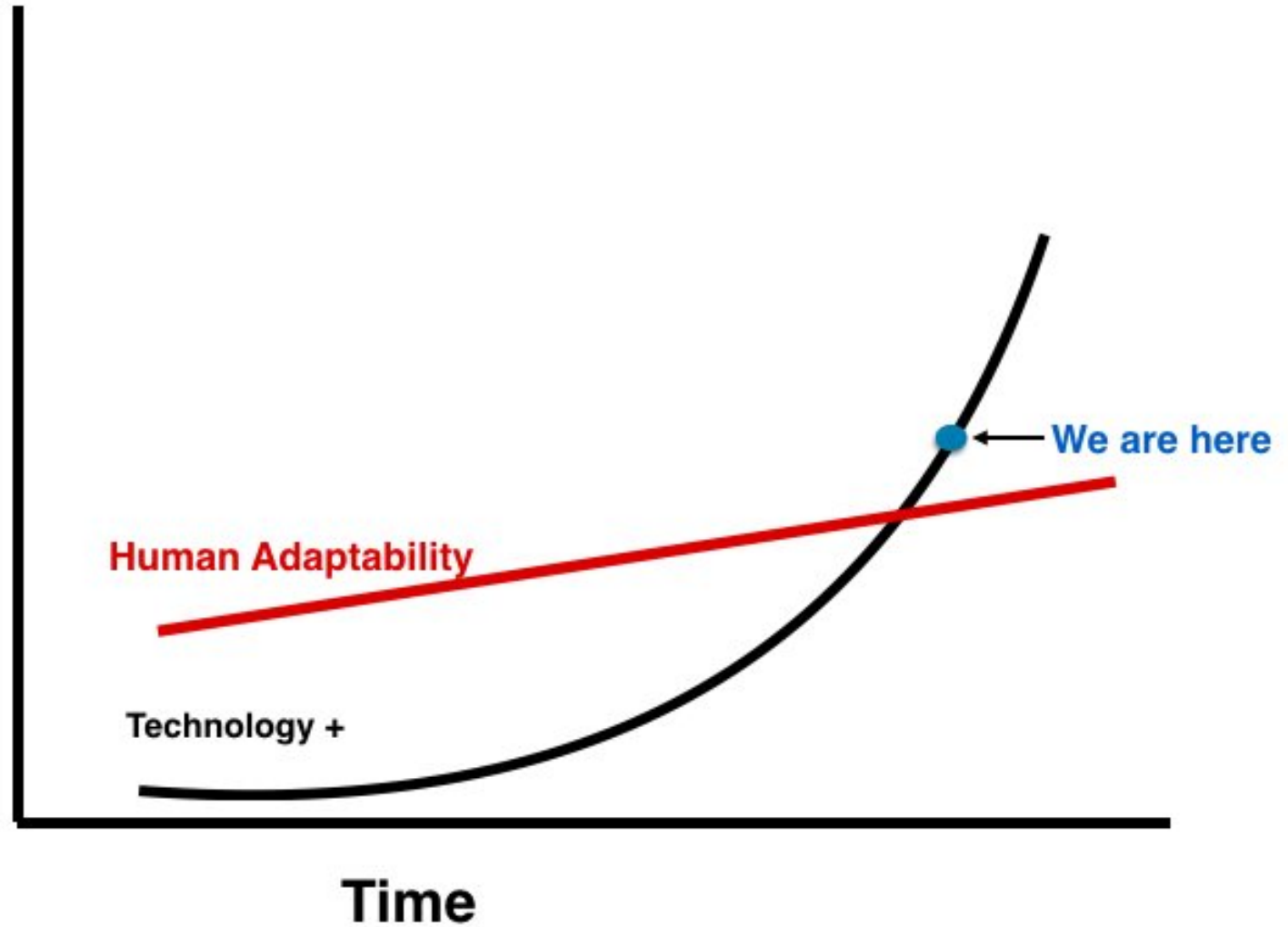
*Are Driverless Cars
A Threat Or
Opportunity For
Auto Insurers?*

Accenture

June 1, 2017

BACK TO THE FUTURE

Rate of
change



Eric Teller, in Thomas Friedman,
Thank You for Being Late



Building the Vision

Chris Sinclair
Renaissance Planning

Transformum Themes



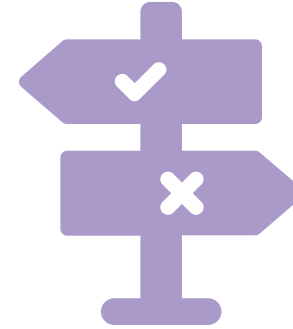
Promote opportunities

- Full range of jobs
- Safe and efficient access to jobs and services
- Affordable housing and transportation



Preserve what is important

- Sustainability over generations
- Resiliency from storms and flooding



Provide choices

- Where to live (neighborhood types)
- Where to work and shop (center types)
- How to travel (modes)

Theme based scenarios



Promote opportunities

- Full range of jobs
- Safe and efficient access to jobs and services
- Affordable housing and transportation



Economic Diversity

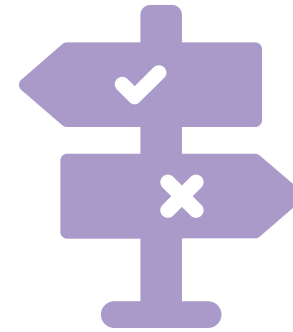


Preserve what is important

- Sustainability over generations
- Resiliency from storms and flooding



Environmental Health

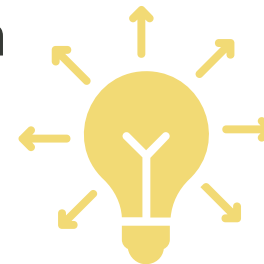


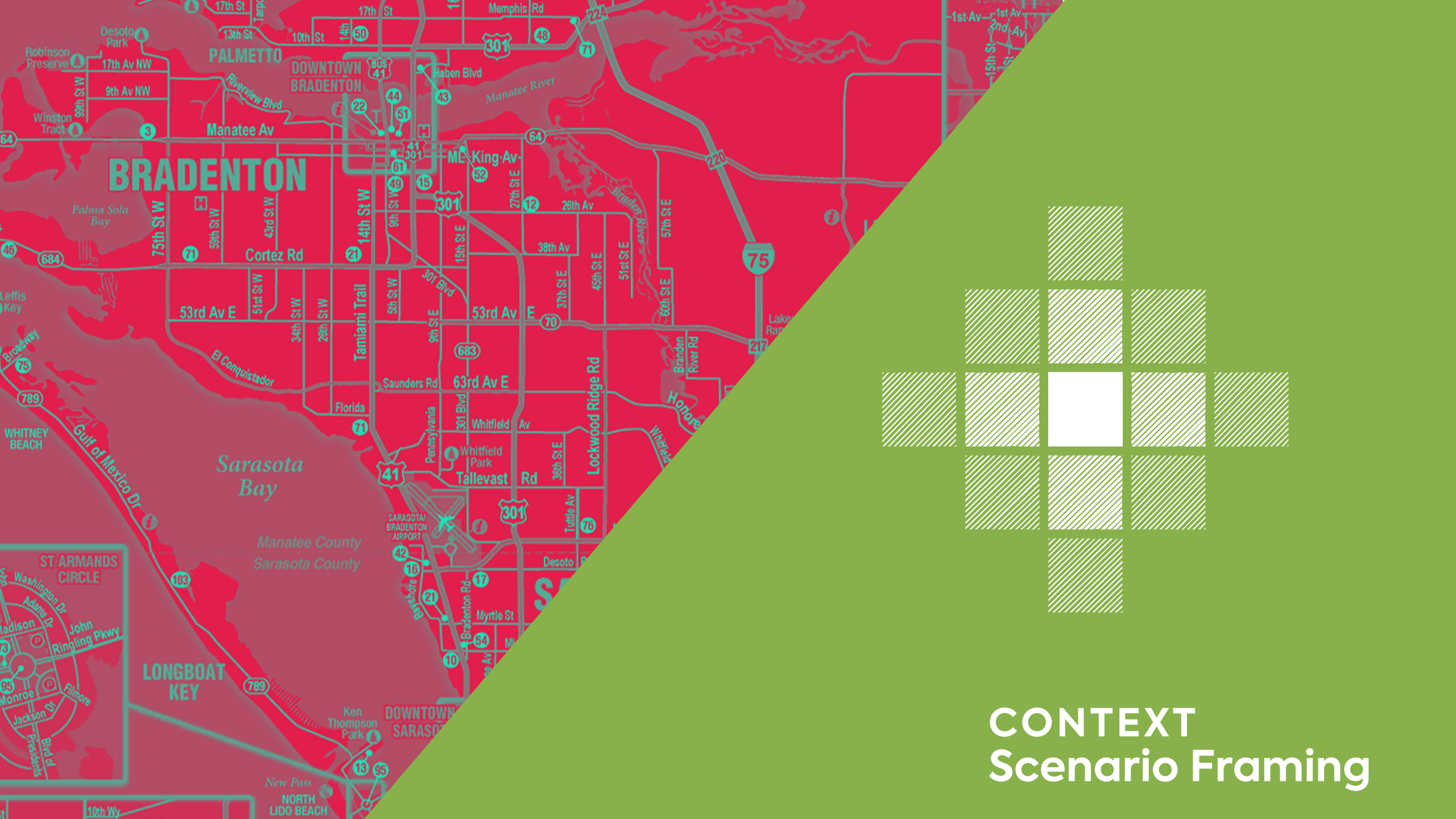
Provide choices

- Where to live (neighborhood types)
- Where to work and shop (center types)
- How to travel (modes)



Vibrant Places





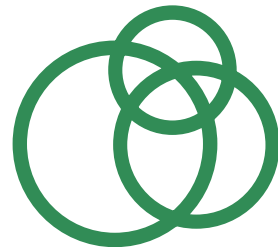
CONTEXT Scenario Framing

Where and how scenario stories play out



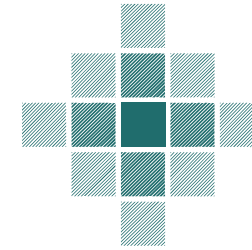
Systems

- Economic
- Environment
- Growth management
- Transportation



Place types

- Urban centers
- Urban corridors
- Urban neighborhoods
- Suburban centers
- Suburban neighborhoods
- Rural



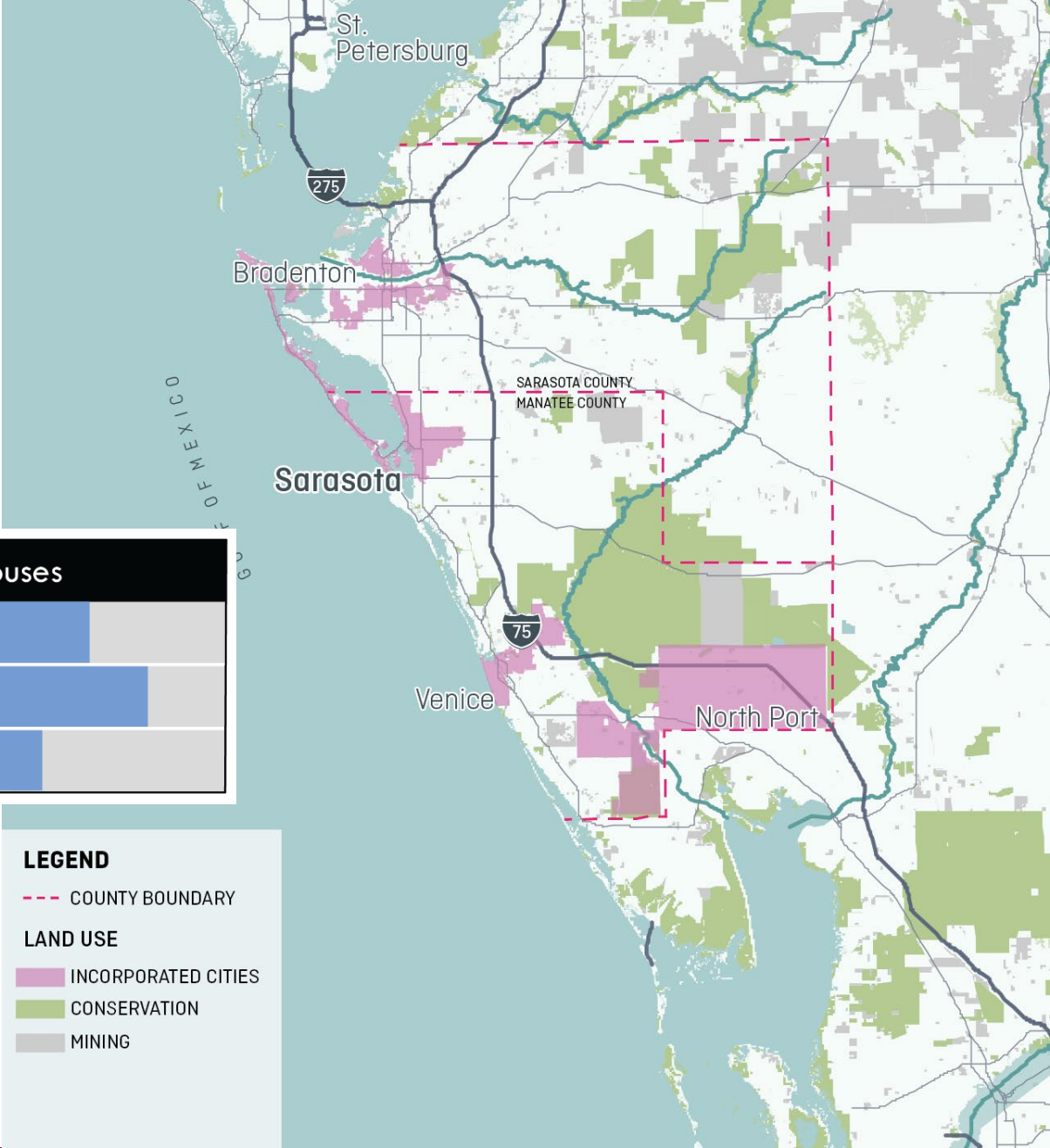
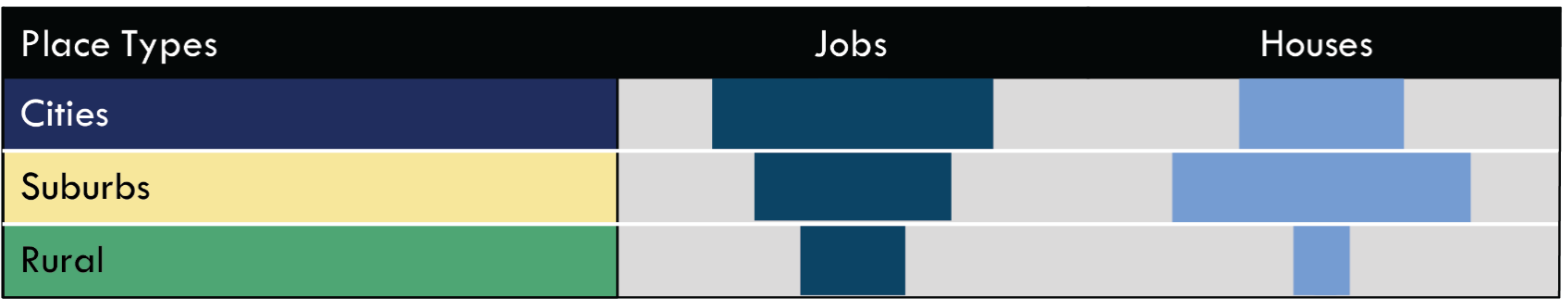
Contexts

- Coastal
- Urban corridor
- Suburban interior
- Suburban corridor
- Suburban exterior
- Rural

Who's here now?

OCTOBER 2019

Allocation of jobs and houses to place types

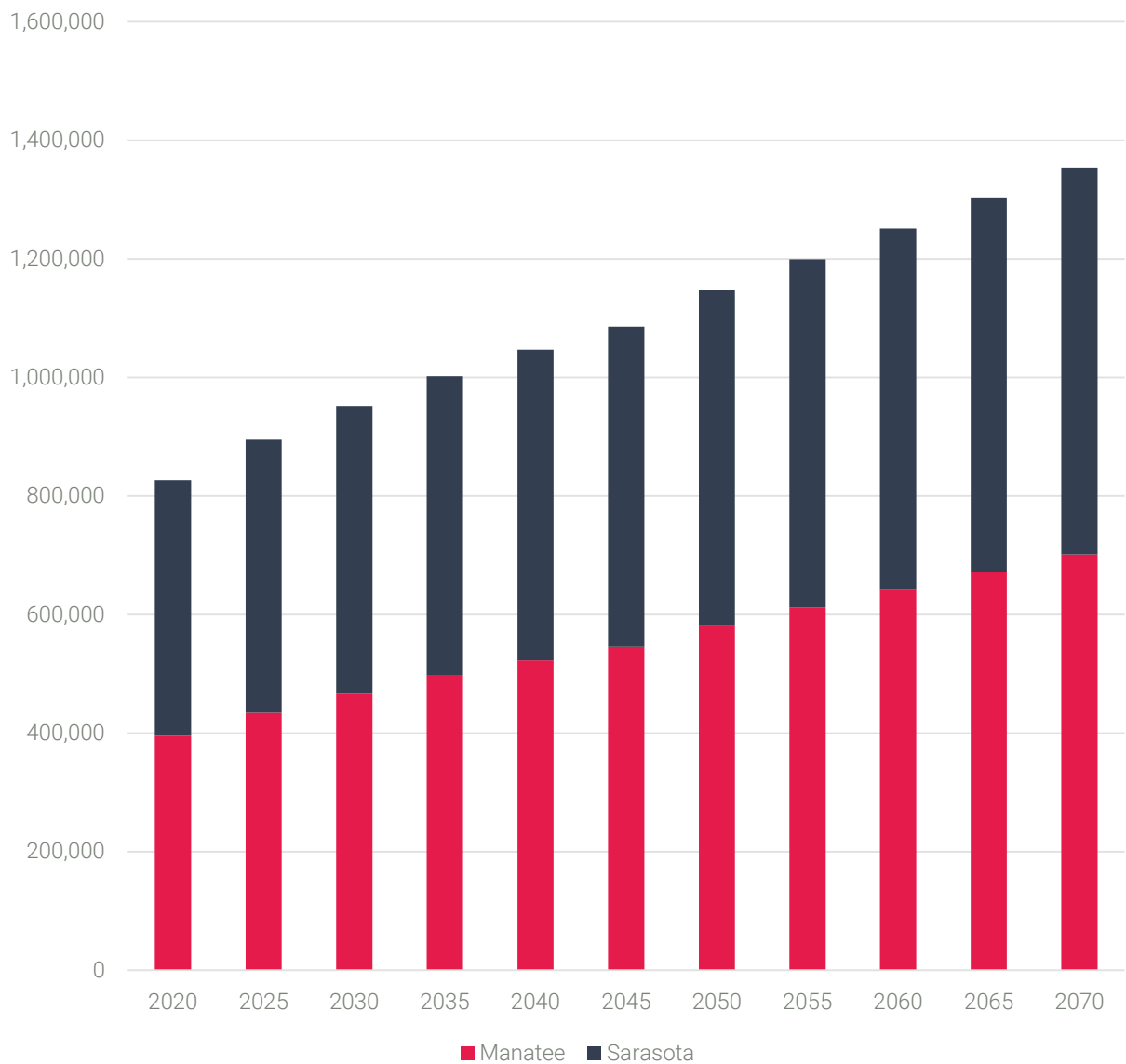


Who may be coming by 2070

Bureau of Economic and Business Research (BEBR) forecasts to 2045, extrapolated to 2070

Net increase of over 500,000 new residents (64% increase)

Population Forecast

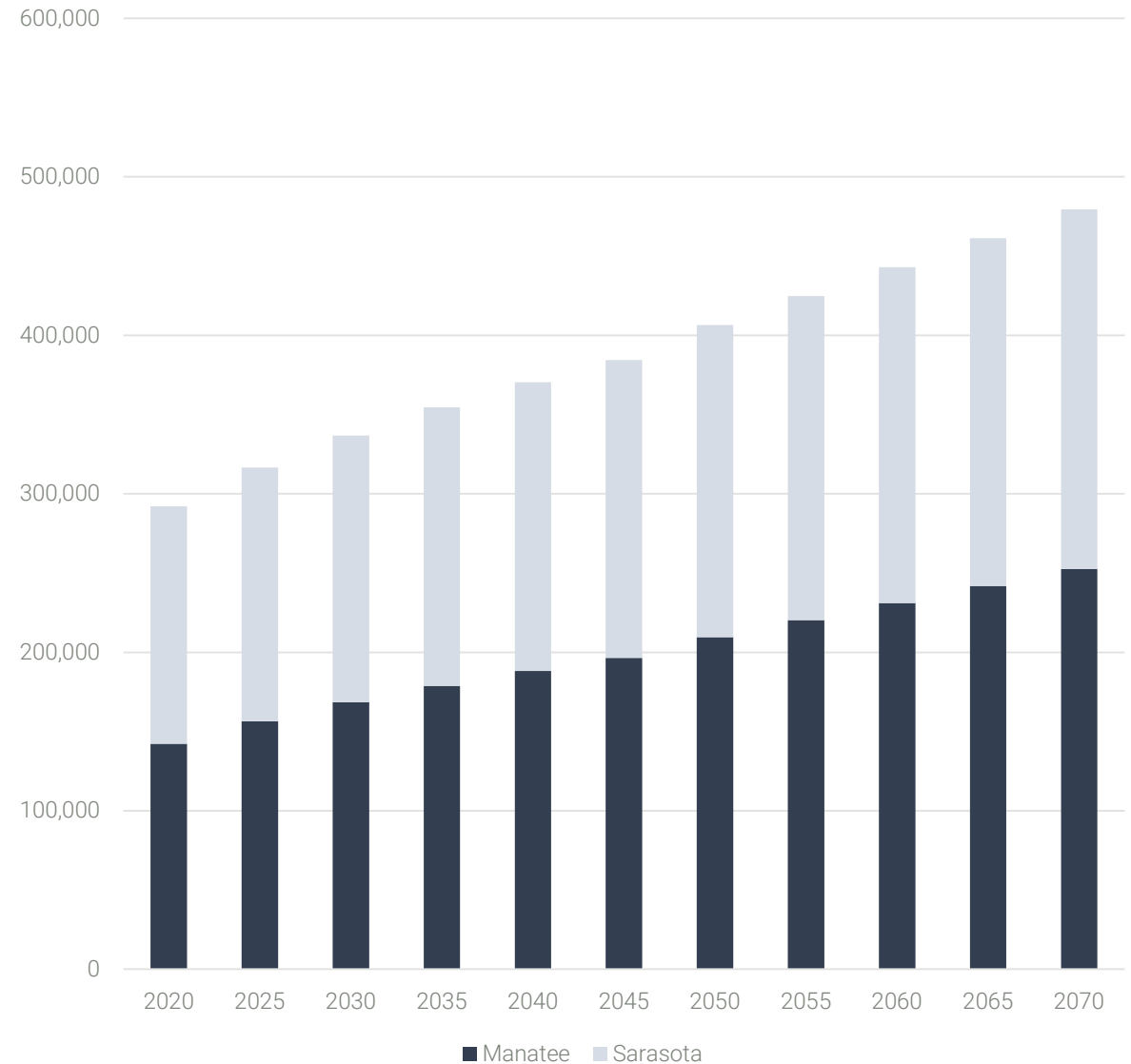


Who may be coming by 2070

Based on current population / jobs ratio

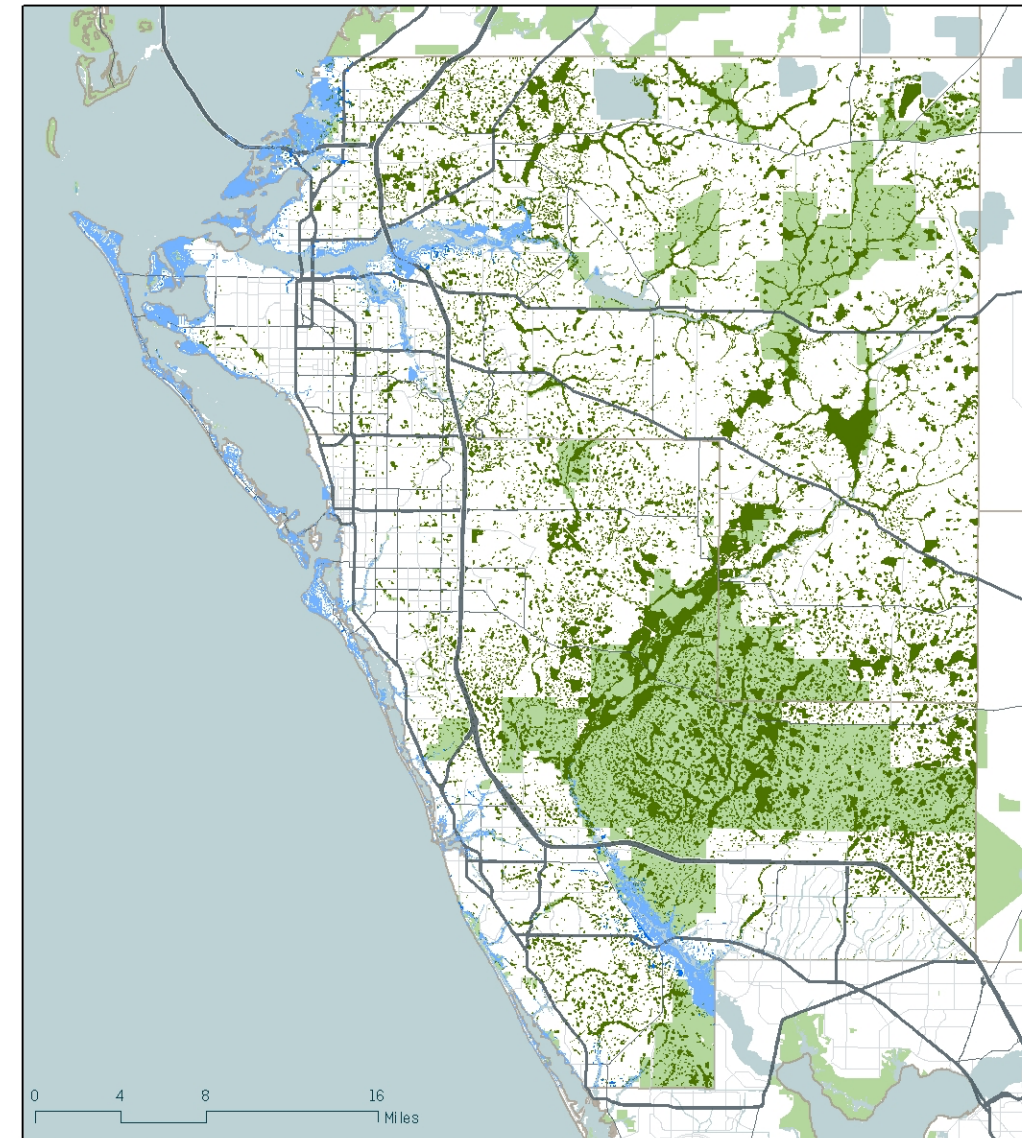
*Net increase of nearly 200,000 jobs
(64% increase)*

Jobs Forecast



Off-limit lands

- Protected lands
 - Wetlands
 - Purchased conservation
- At risk lands
 - Sea level inundation (coast)
 - Flood prone (river valleys)

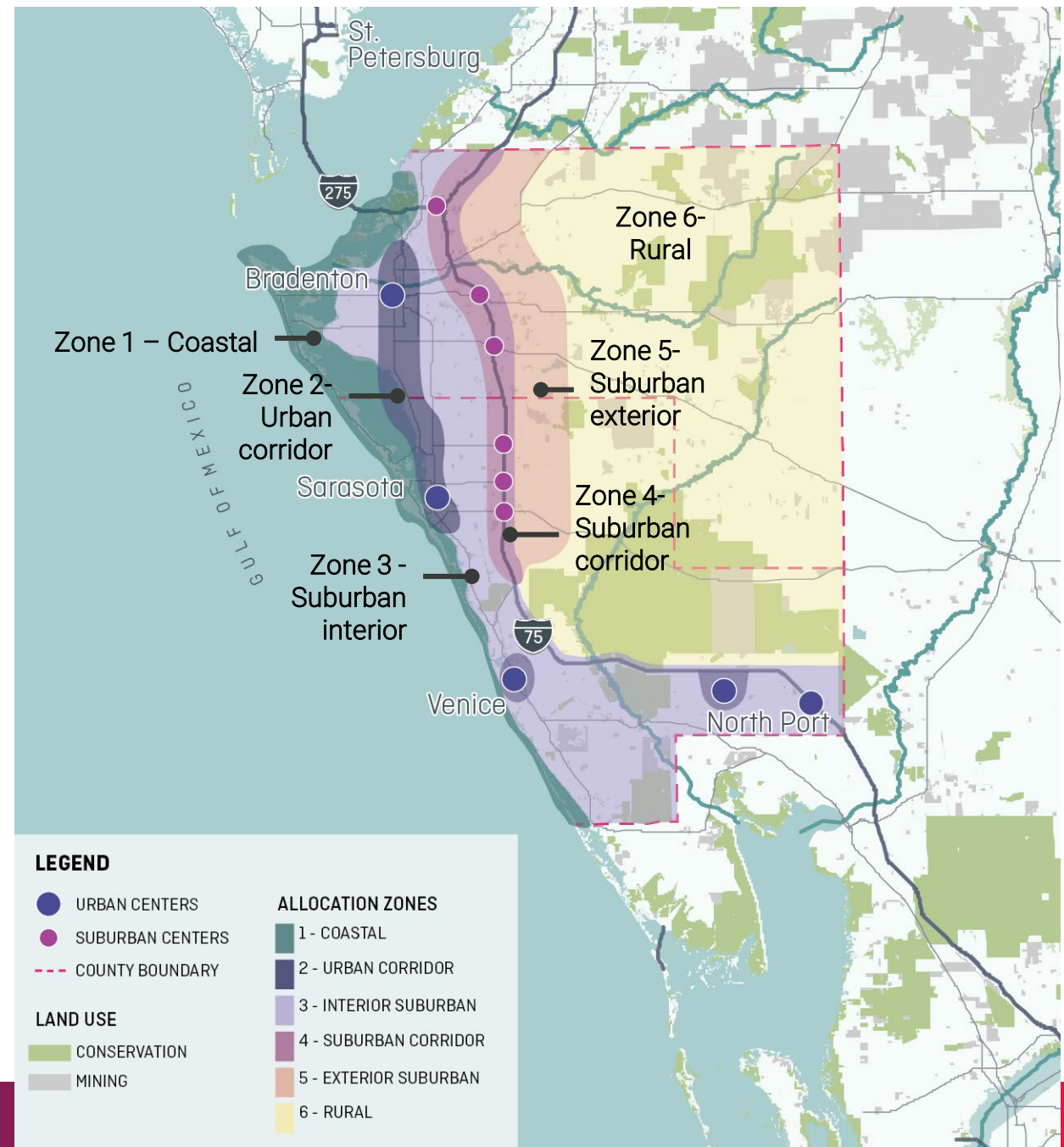


LEGEND

- 4-foot SLR - Inundation impacts (NOAA)
- 4-foot SLR - Low-lying areas (NOAA)
- Wetlands (Florida Land Cover Classification System)
- Protected Areas (USGS Protected Areas Database)

Allocation zones

- *Zone 1 – Coastal*
- *Zone 2 – Urban corridor*
- *Zone 3 – Suburban interior*
- *Zone 4 – Suburban corridor*
- *Zone 5 – Suburban exterior*
- *Zone 6 - Rural*



Allocation place types



Conservation



Rural agriculture



Suburban neighborhoods



Suburban office and retail



Urban neighborhoods

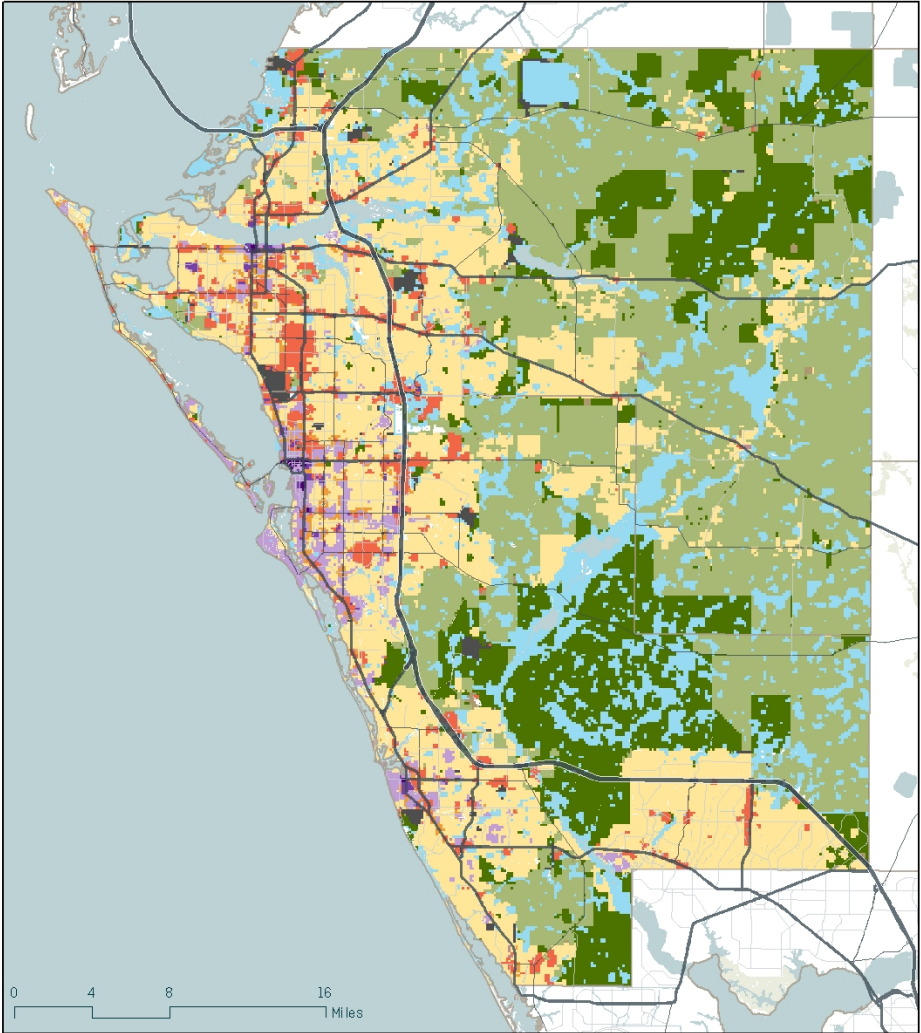


Urban corridors



Urban centers

PLACE TYPE SCENARIO | BASE



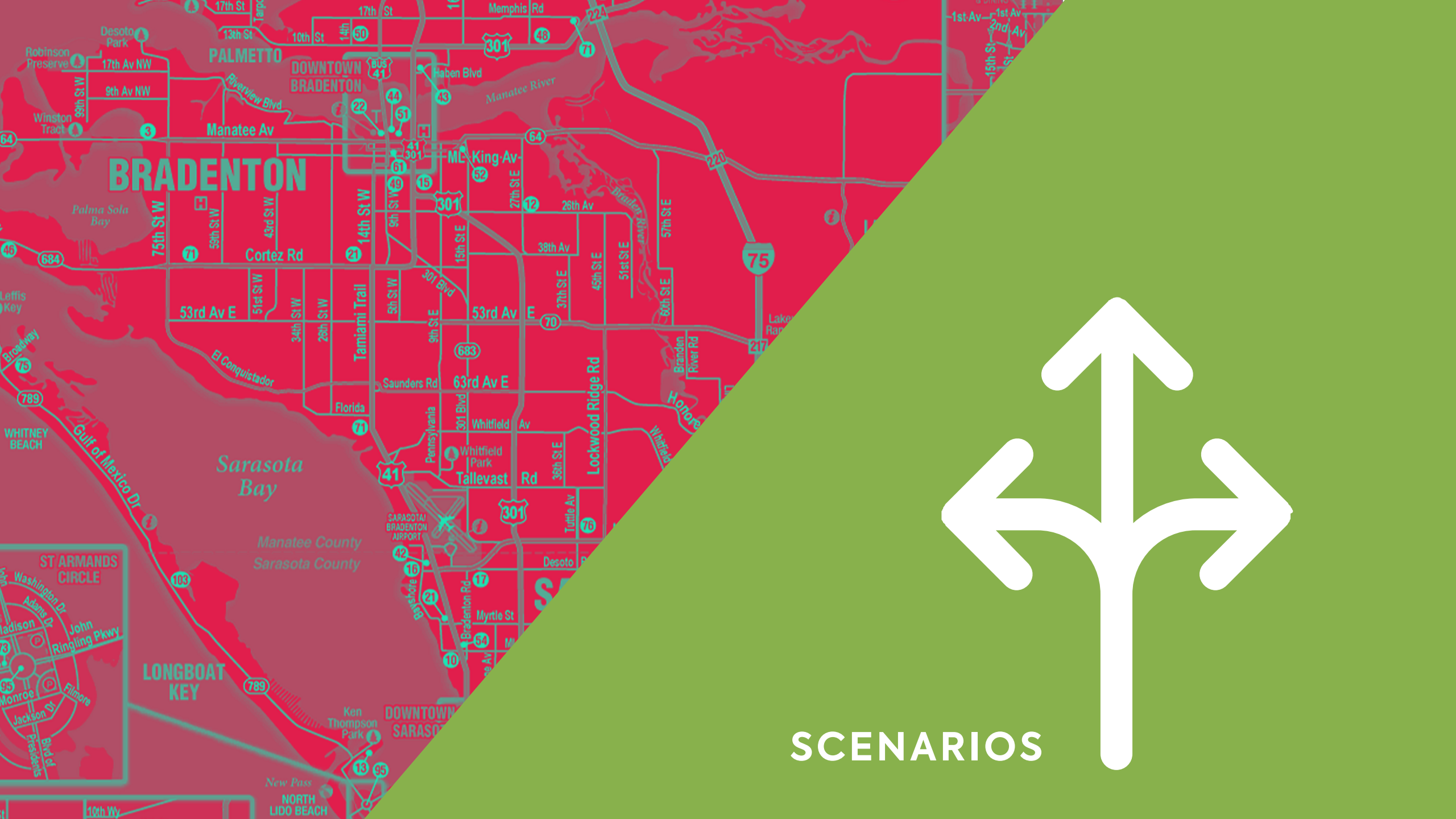
LEGEND

Base Place Type

- Urban Center
- Urban Employment
- Urban Mixed
- Suburban Employment

- Suburban Mixed
- Suburban Residential
- Village
- Rural Ag
- Rural Industrial

- Rural Open Spaces and Rec
- Transportation and Utilities
- Water and Wetlands

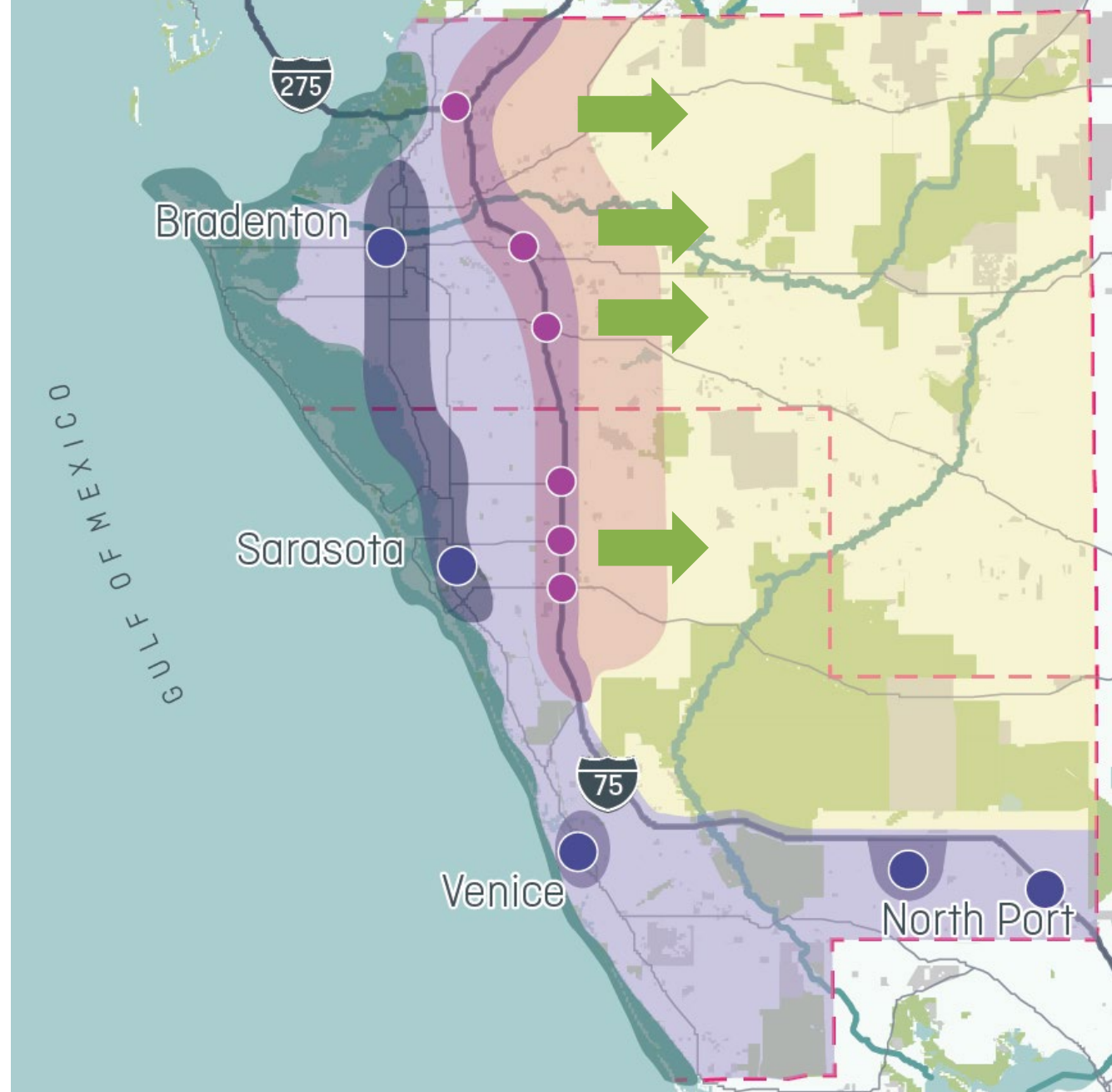


SCENARIOS

Trend

CONTINUE PAST DEVELOPMENT PATTERNS

- **Economic development**
 - Continued reliance on tourism / retirees
- **Environment**
 - Meet wetland and flood zones requirements
- **Growth management**
 - Growth in existing urban centers (market trends)
 - Planned communities east of I-75
- **Transportation**
 - Auto oriented, with focus on road improvements east of I-75
 - Transit, walk, and bike improvements in urban centers

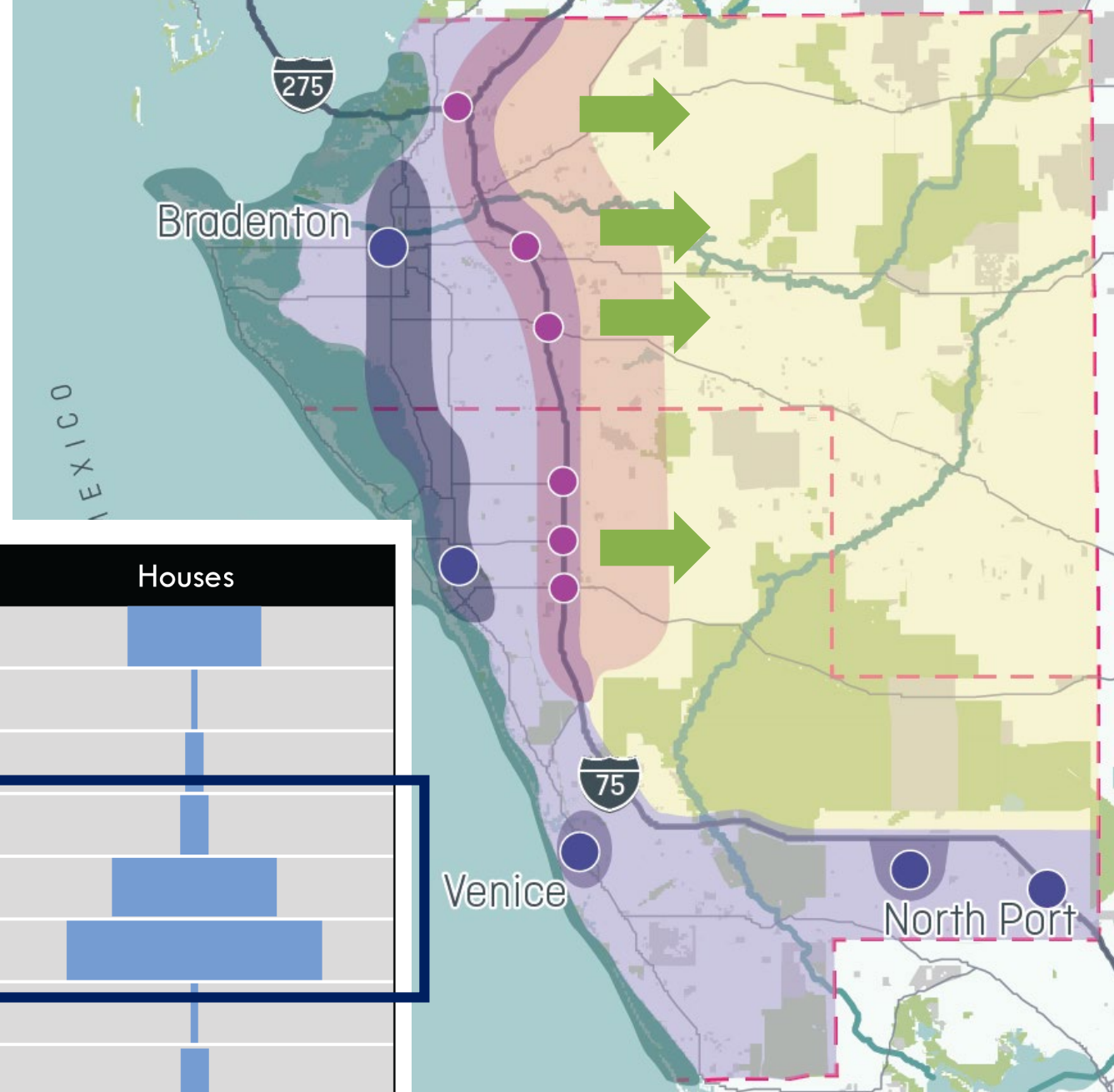


Trend

CONTINUE PAST DEVELOPMENT PATTERNS

Allocation of jobs and houses to place types

Place Types	Jobs	Houses
Urban centers		
Urban corridor		
Urban neighborhood		
Suburban jobs / retail		
Suburban high density residential		
Suburban low density residential		
Rural village		
Rural jobs / agricultural		
Rural residential		



Economic diversity

PROMOTE OPPORTUNITIES

- **Economic**

- Attract high tech businesses and employees
- Enhance education (grade school to universities) with a focus on USF / New College

- **Environment**

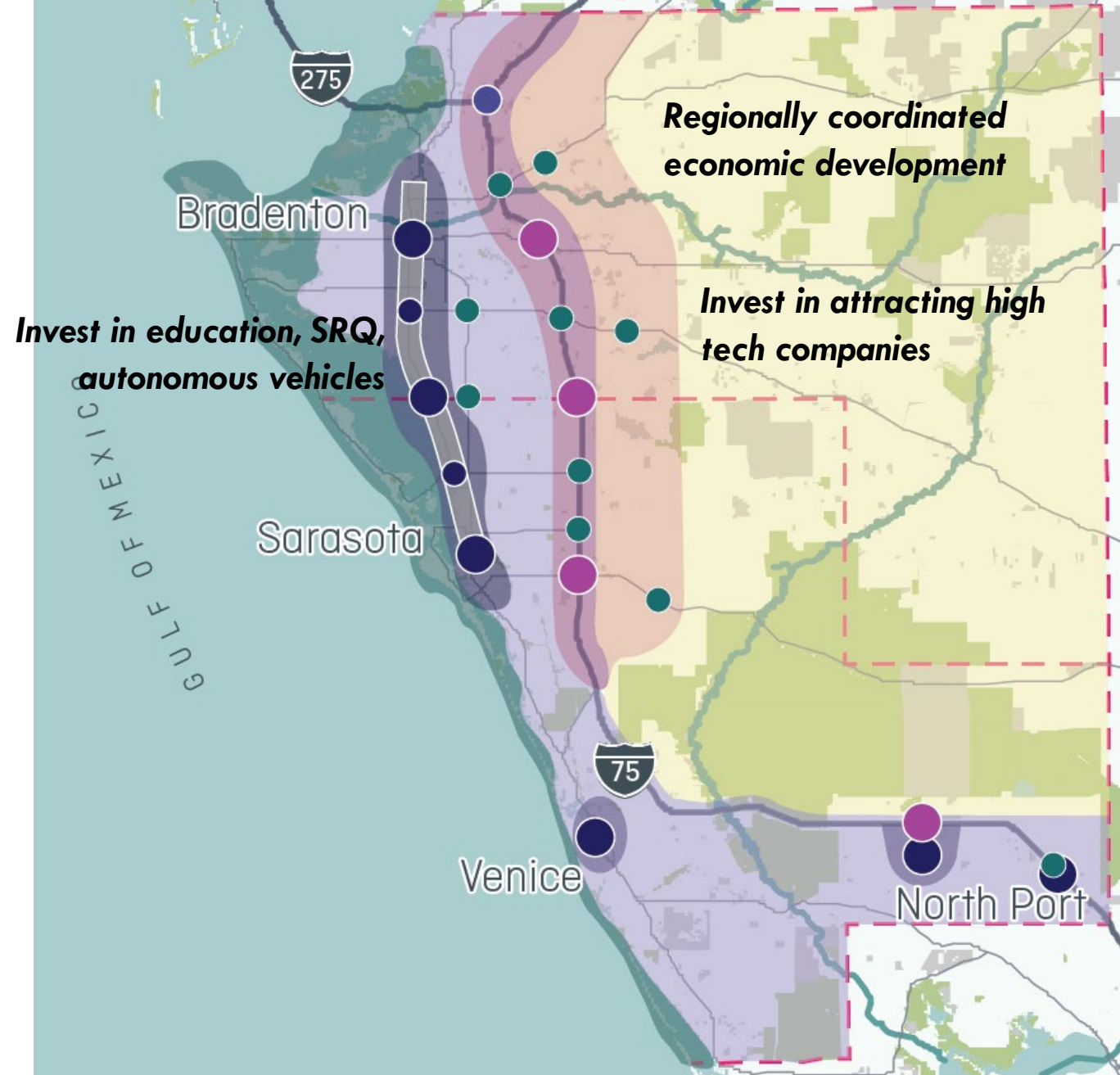
- Meet wetland and flood zone protection requirements

- **Growth management**

- Enhance and plan new mixed-use centers for high tech businesses on US 41
- Develop high quality communities for high tech employees

- **Transportation**

- New high-tech roads and cars providing access to job centers
- Fixed bus transit, walk and bike enhancements in job centers

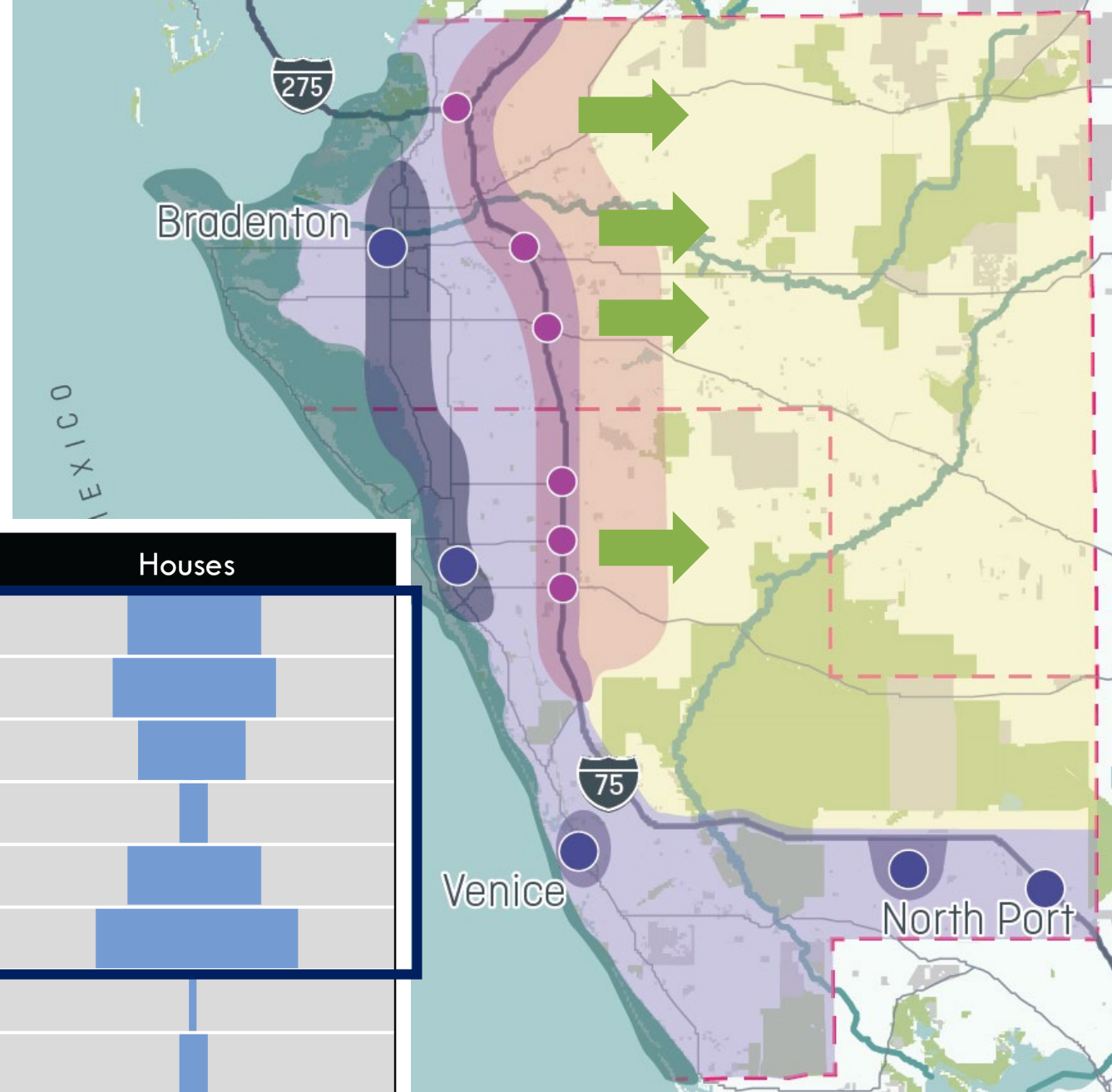


Economic diversity

PROMOTE OPPORTUNITIES

Allocation of jobs and houses to place types

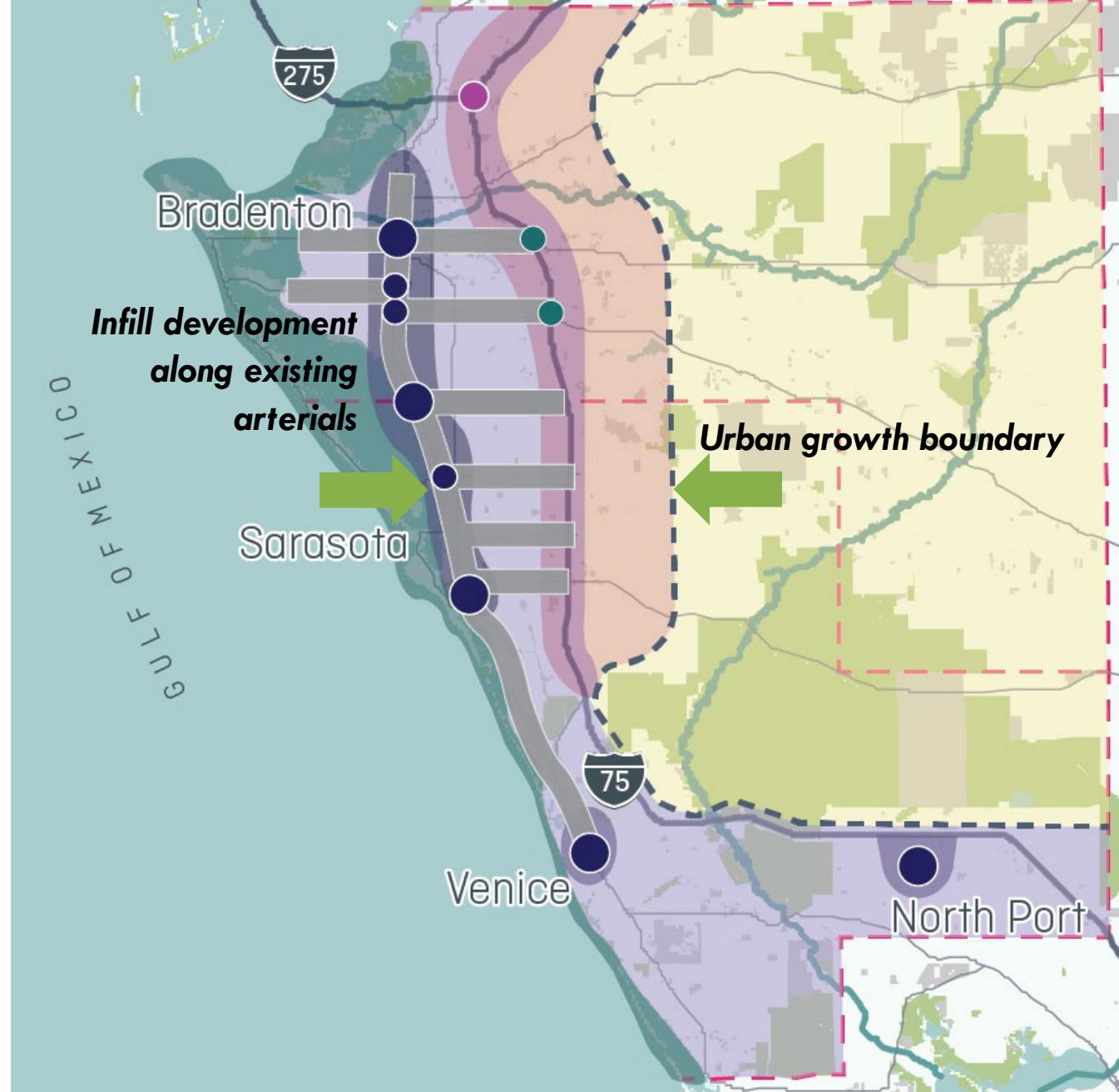
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Urban centers				
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Suburban jobs / retail				
Suburban high density residential				
Suburban low density residential				
Rural village				
Rural jobs / agricultural				
Rural residential				



Environmental health

PRESERVE WHAT IS IMPORTANT

- ***Economic***
 - Ensures economic development and population growth at sustainable levels
- ***Environment***
 - Enhance estuary protection
 - Enhance upland / wetland habitat protection
 - Reduce carbon emissions
- ***Growth management***
 - Create and enforce urban growth boundary east of I-75
 - Focus on infill and redevelop existing parcels
- ***Transportation***
 - Increased fixed bus transit service / bike lanes
 - No new roads

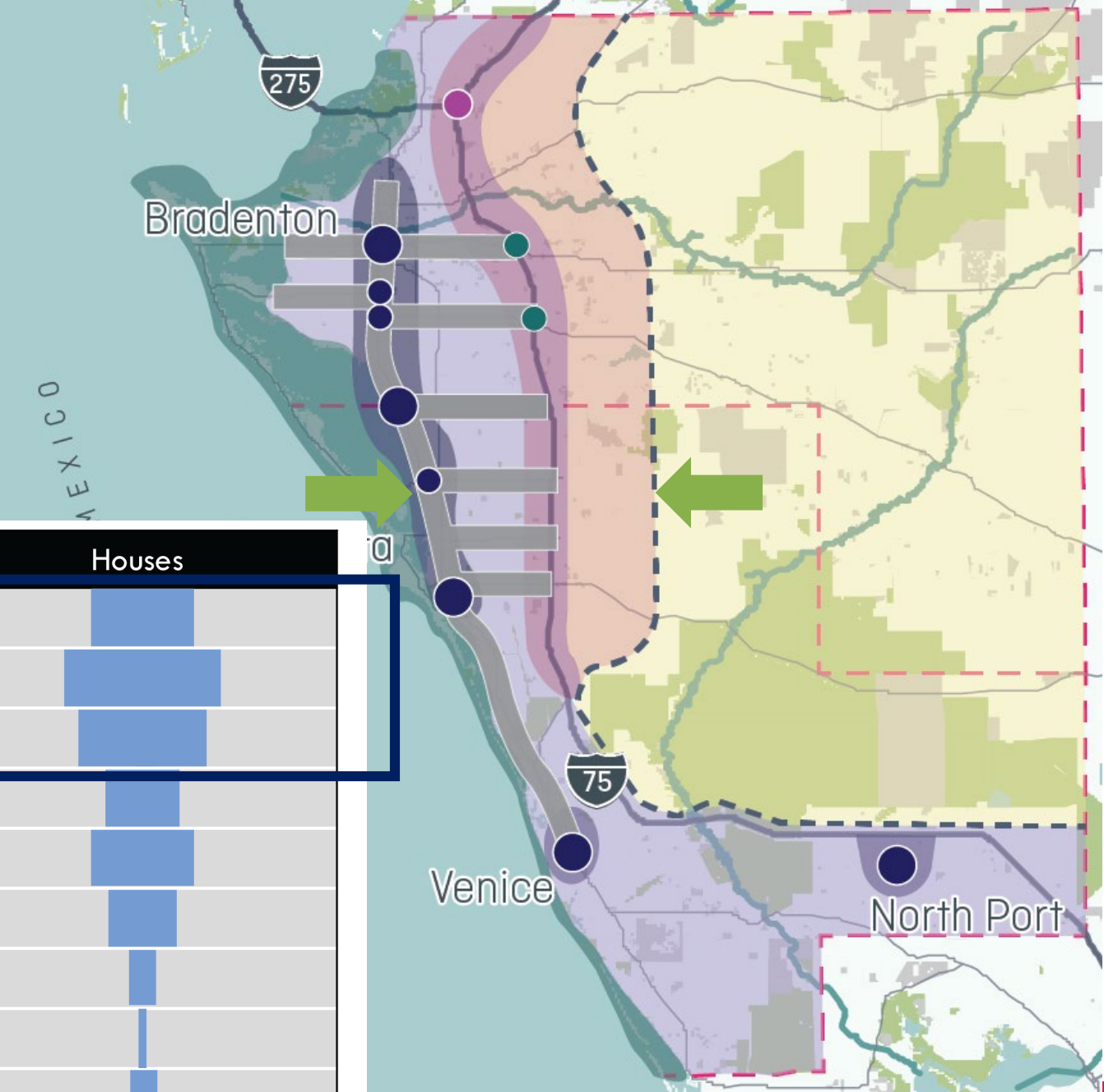


Environmental health

PRESERVE WHAT IS IMPORTANT

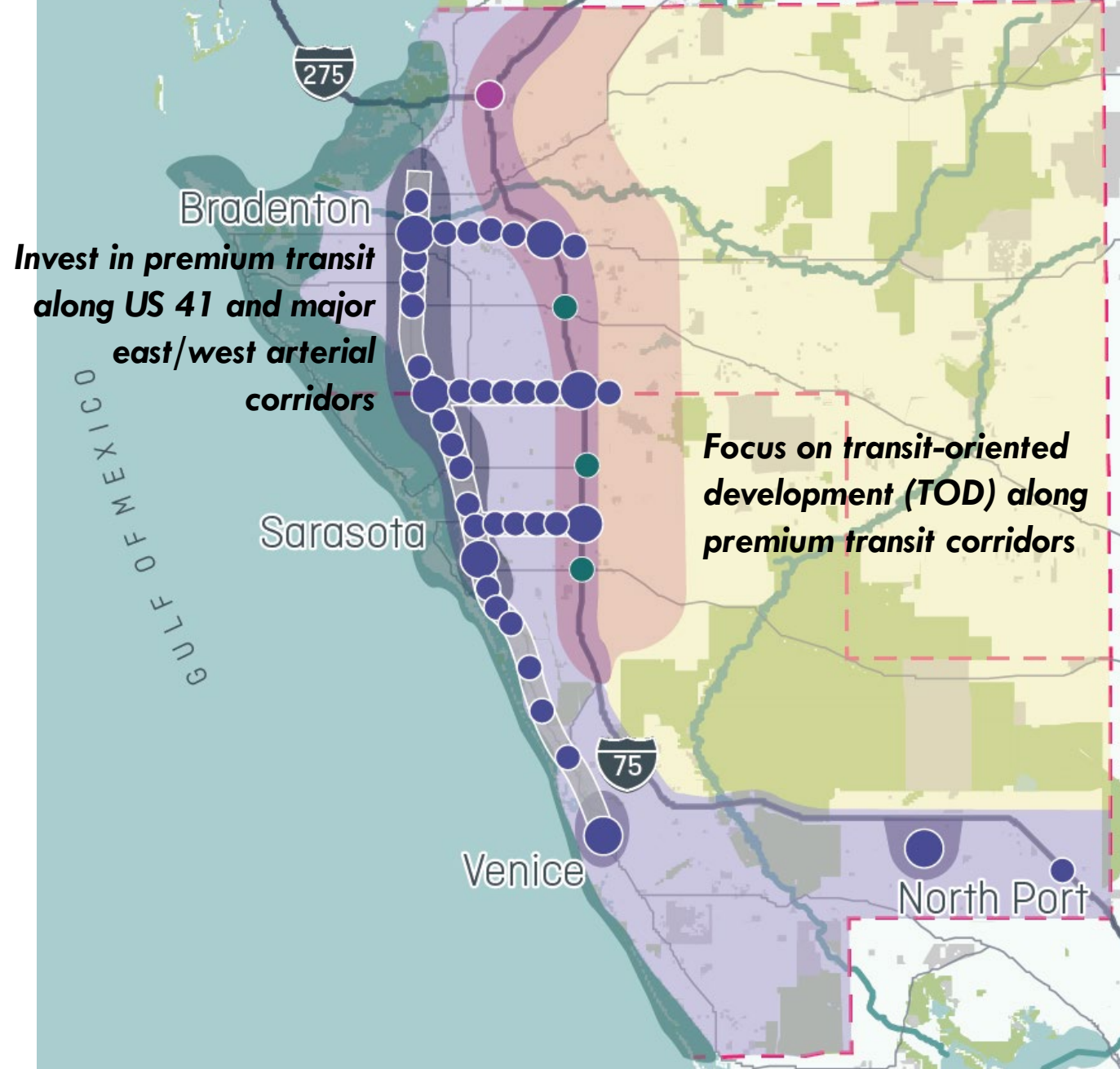
Allocation of jobs and houses to place types

Place Types	Jobs		Houses	
Urban centers				
Urban corridor				
Urban neighborhood				
Suburban jobs / retail				
Suburban high density residential				
Suburban low density residential				
Rural village				
Rural jobs / agricultural				
Rural residential				



Vibrant places PROVIDE CHOICES

- **Economic**
 - Economic diversification to support urban centers and enhance urban neighborhoods
- **Environment**
 - Meet wetland and flood zone protection requirements
 - Reduce carbon emissions
- **Growth management**
 - Premium transit investments supported with transit oriented development (TOD)
- **Transportation**
 - Invest in premium transit and bike and pedestrian improvements
 - Minimal roadway improvements

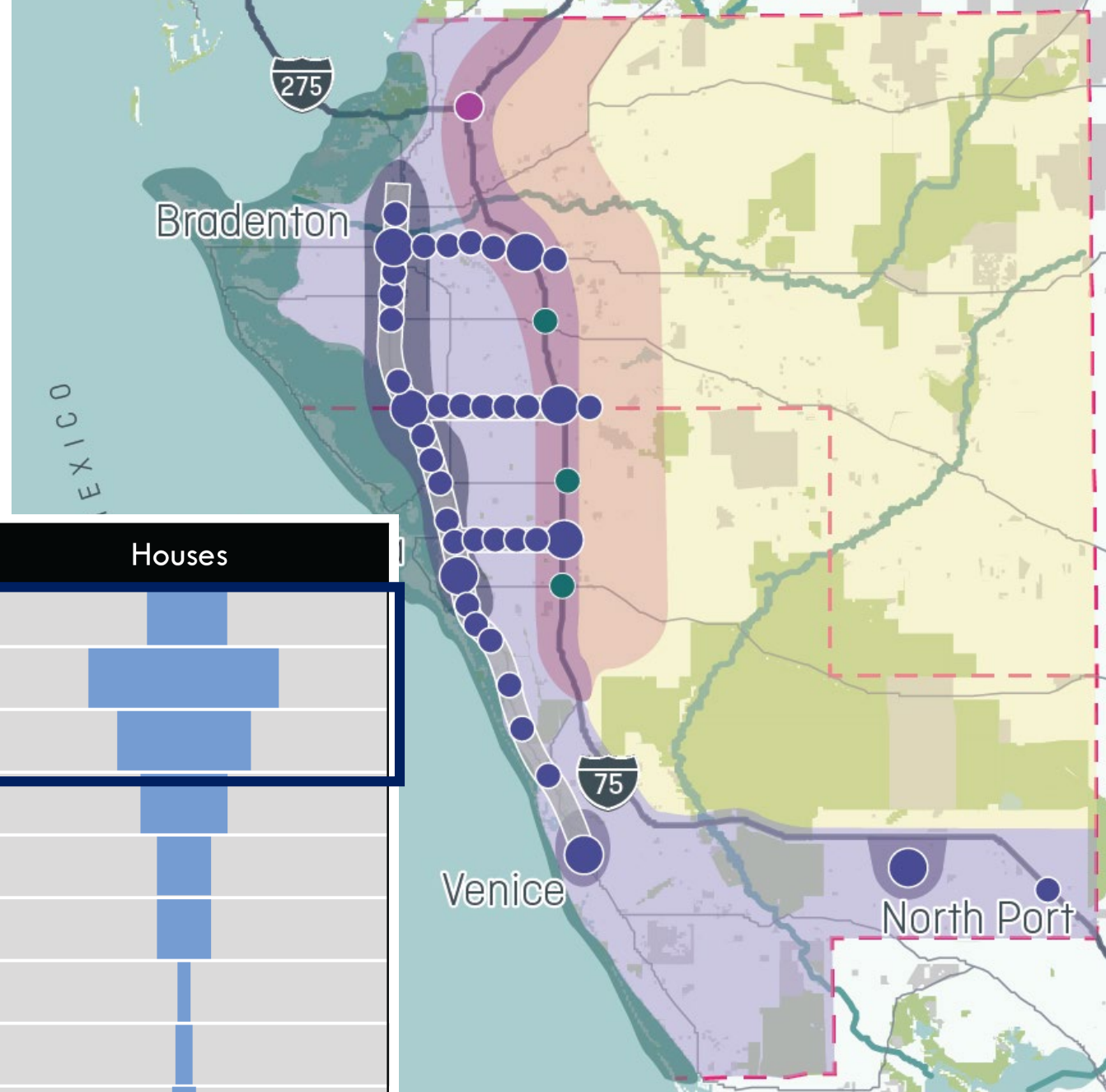


Vibrant places

PROVIDE CHOICES

Allocation of jobs and houses to place types

Place Types	Jobs	Houses
Urban centers	<div></div>	<div></div>
Urban corridor (TOD)	<div></div>	<div></div>
Urban neighborhood	<div></div>	<div></div>
Suburban jobs / retail	<div></div>	<div></div>
Suburban high density residential	<div></div>	<div></div>
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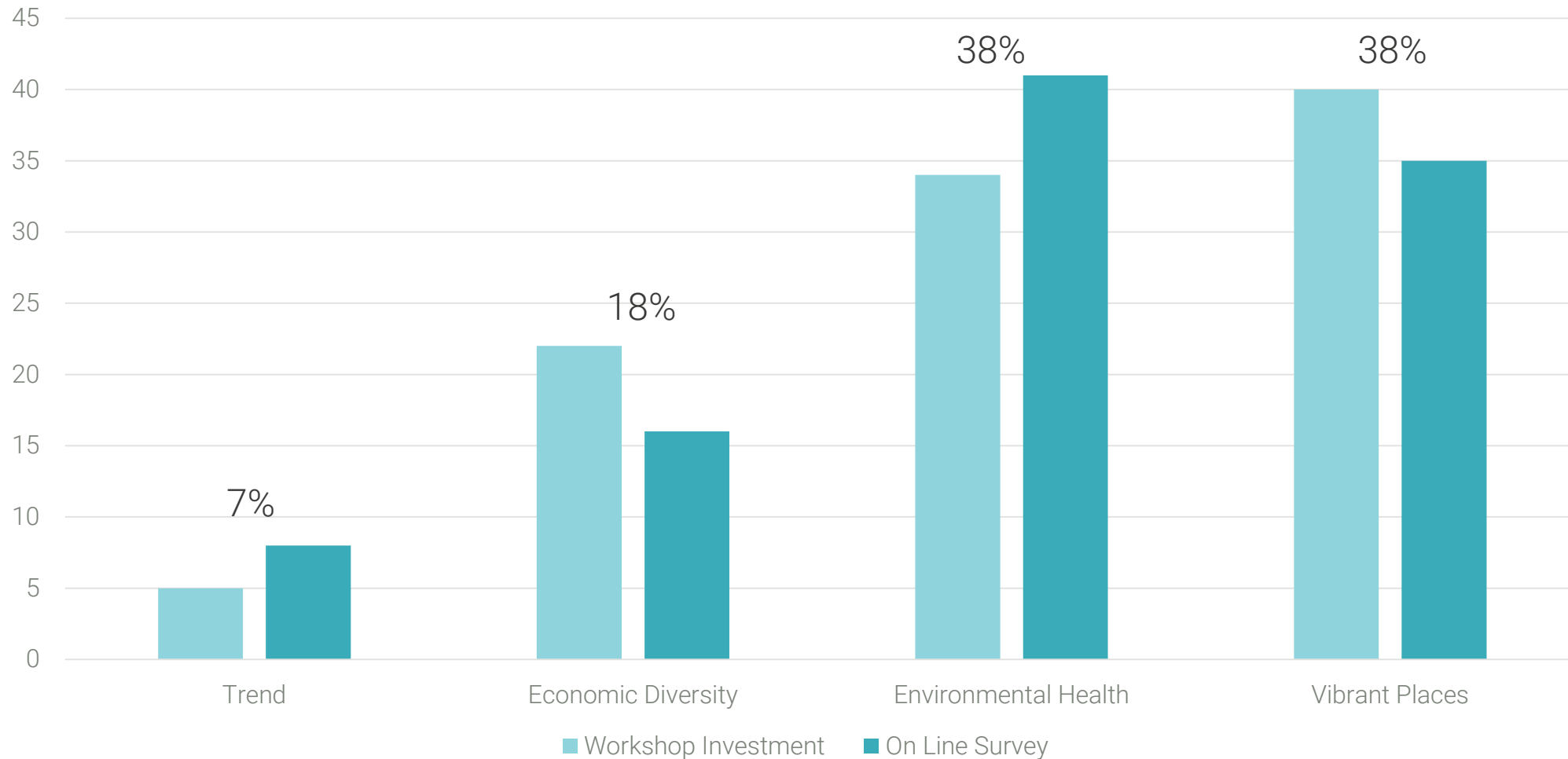




SCENARIO REACTIONS Workshop and Online Survey

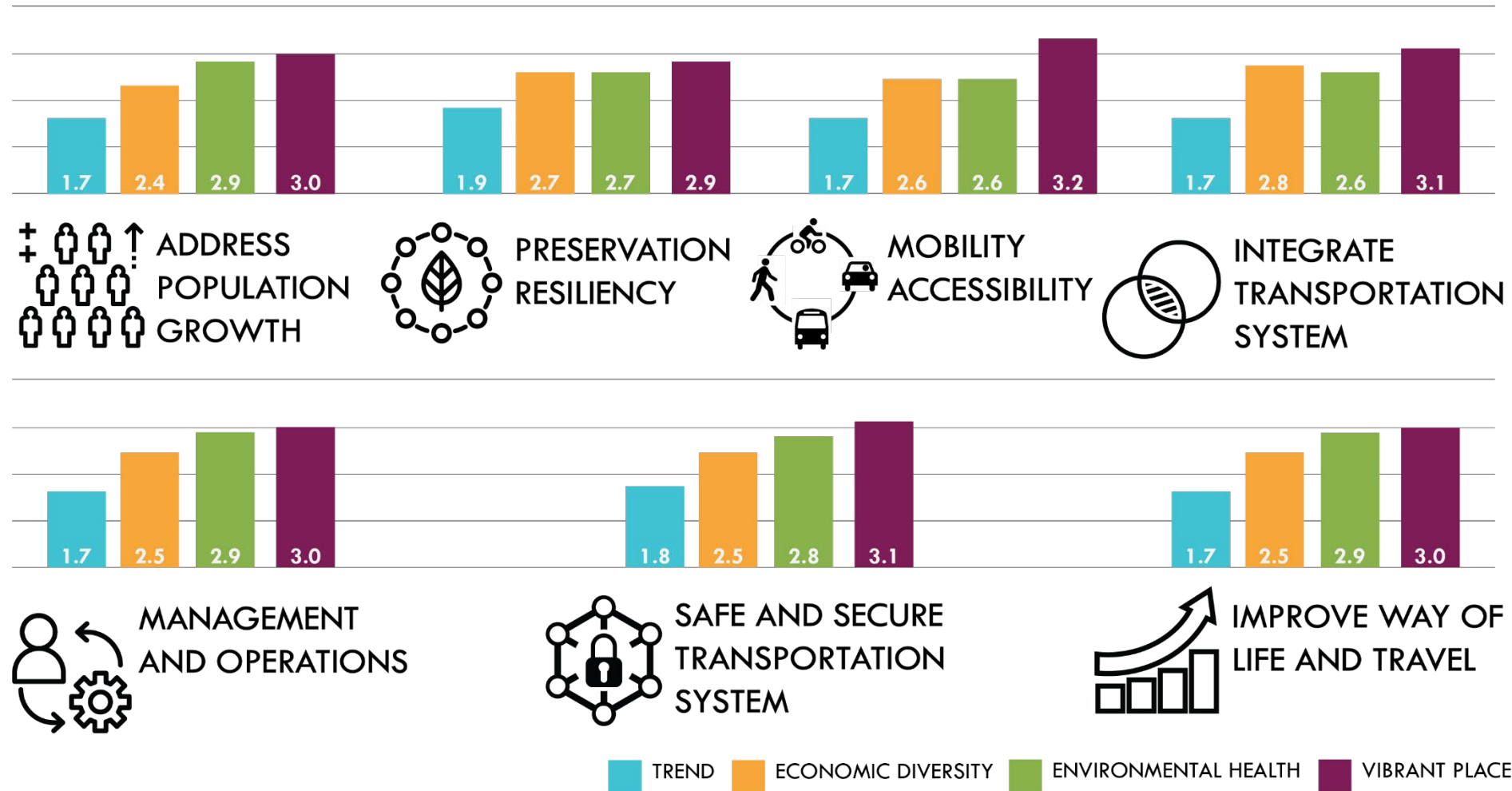
Workshop and on-line survey preferences

Average preference percentage



Survey results

1 least preferred, 2 somewhat preferred, 3 preferred, 4 most preferred



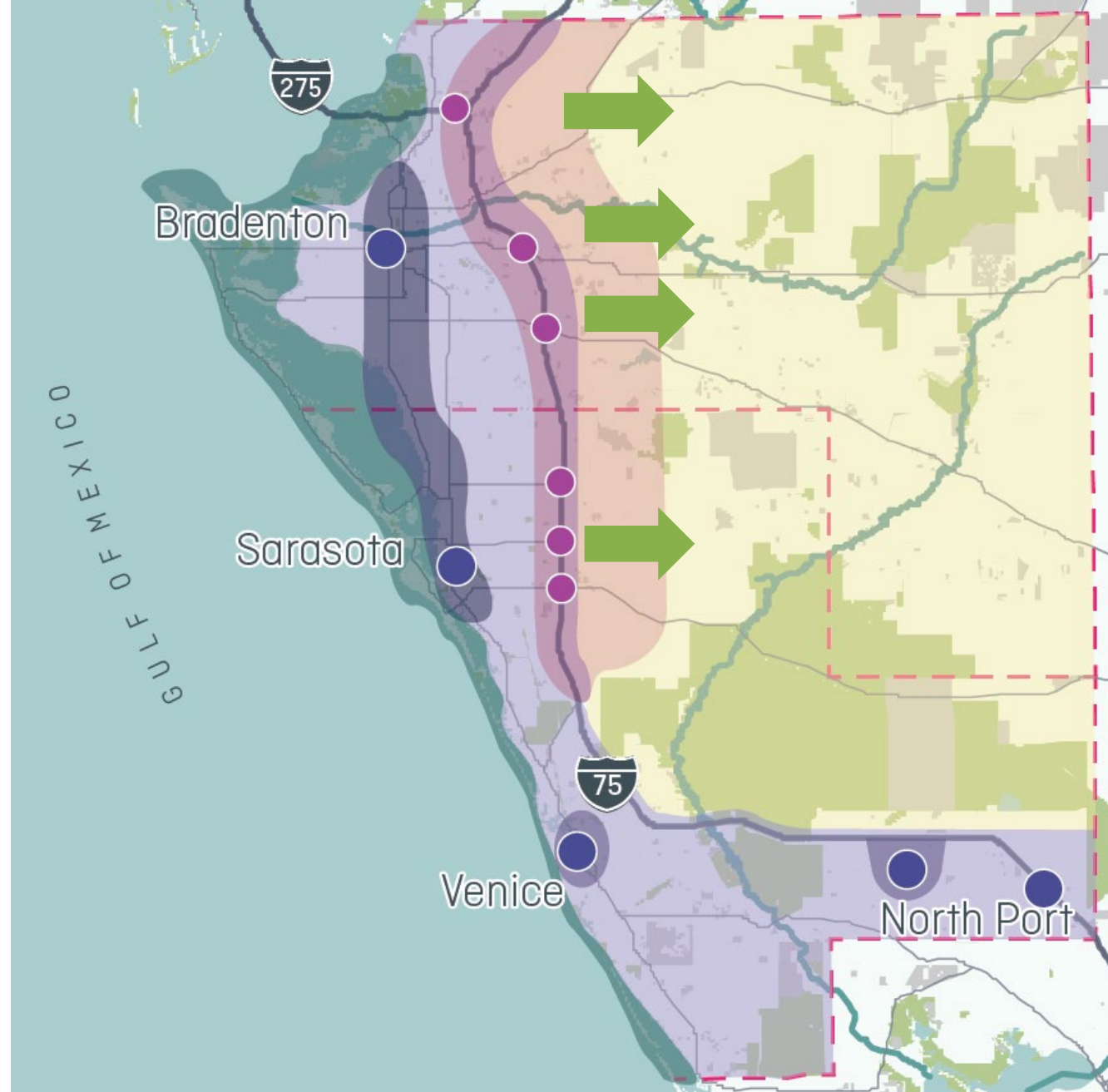
Trend comments

- ***Like most***

- Maintains status quo, comfortable
- Reliance on tourism

- ***Like least***

- Reliance on tourism and retirees
- Reliance on auto and congestion from planned communities
- Sprawl east of I-75
- No strategy for growth, reactive rather than proactive



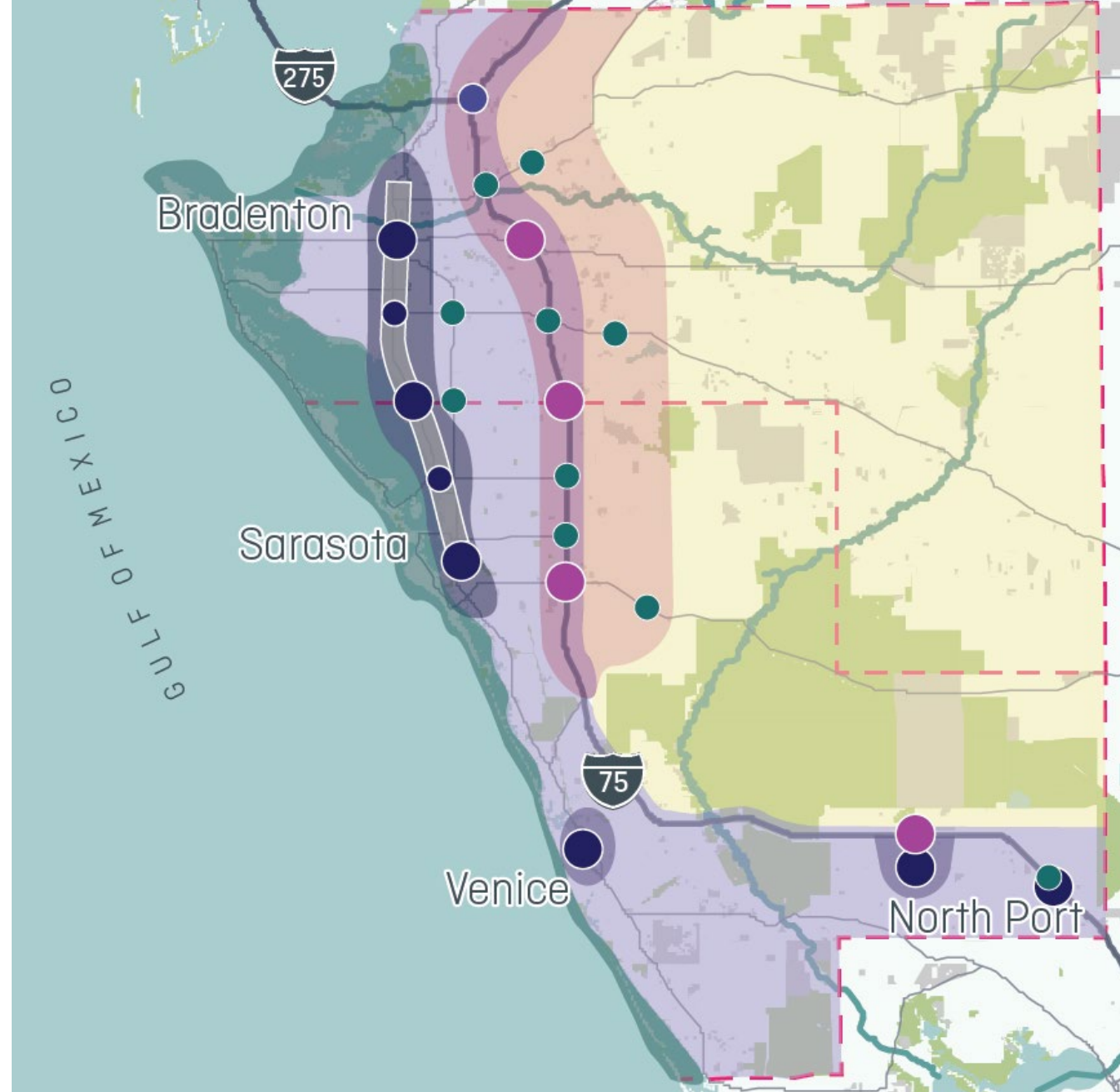
Economic diversity comments

- *Like most*

- Diversity of economy, change in economic drivers
- Support for education and jobs for younger people
- Emphasis on active transportation
- Forward thinking

- *Like least*

- Too much of a stretch
- Impacts on cost of living, affordable housing, and access to jobs
- Congestion on US 41 and I-75
- Not enough emphasis on culture and nature in attracting high tech businesses
- Emphasize Port Manatee more



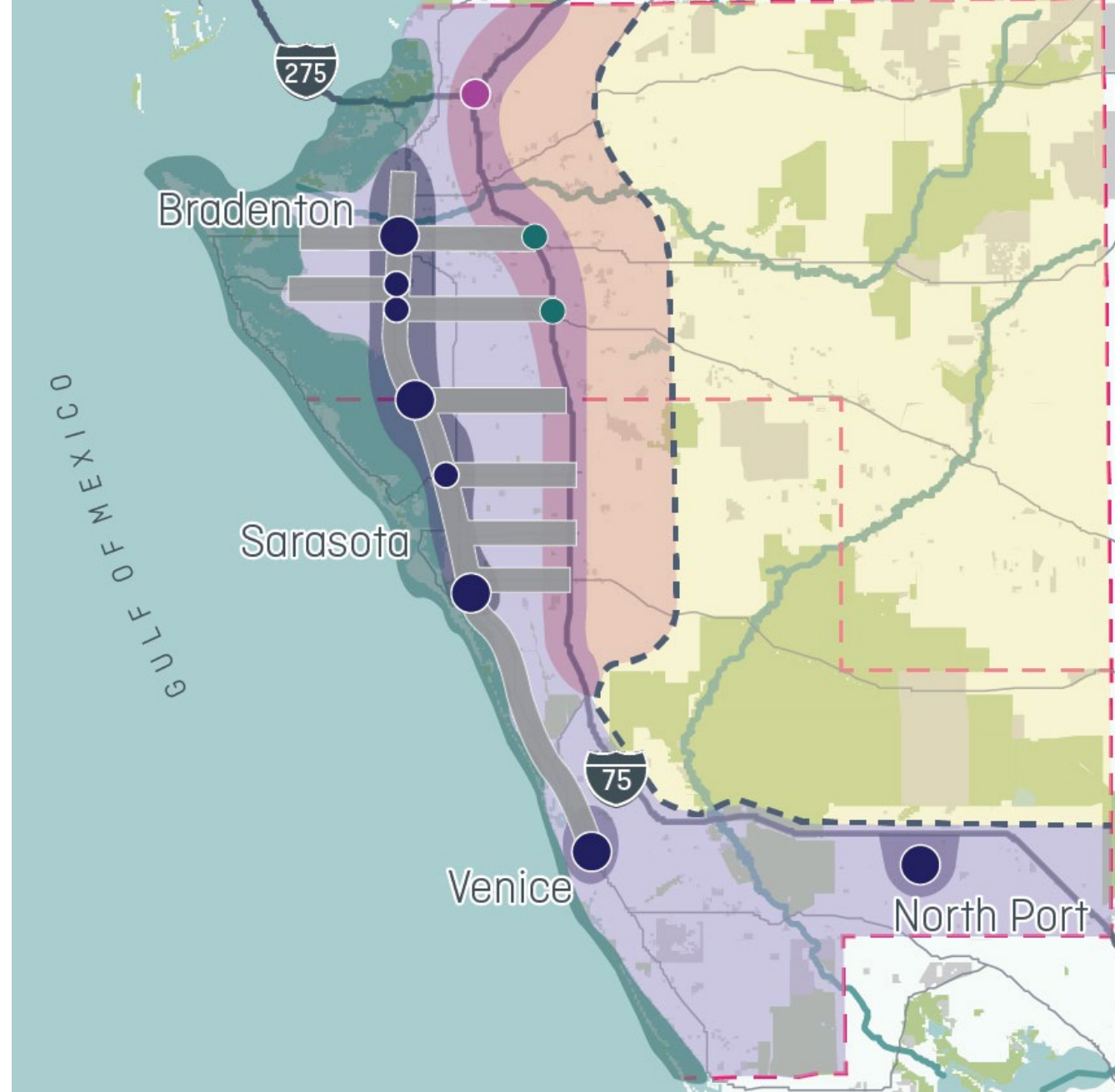
Environmental health comments

- *Like most*

- Sustainability, protection of habitat, reduced carbon emissions
- No new roads and alternative transportation
- Growth management with focus on infill
- Proactive and holistic approach

- *Like least*

- No new roads
- Eastern growth boundary
- Challenges to status quo, tends toward fanaticism
- Will NIMBYs allow more density?
- Inhibit economic diversification
- Costs too much



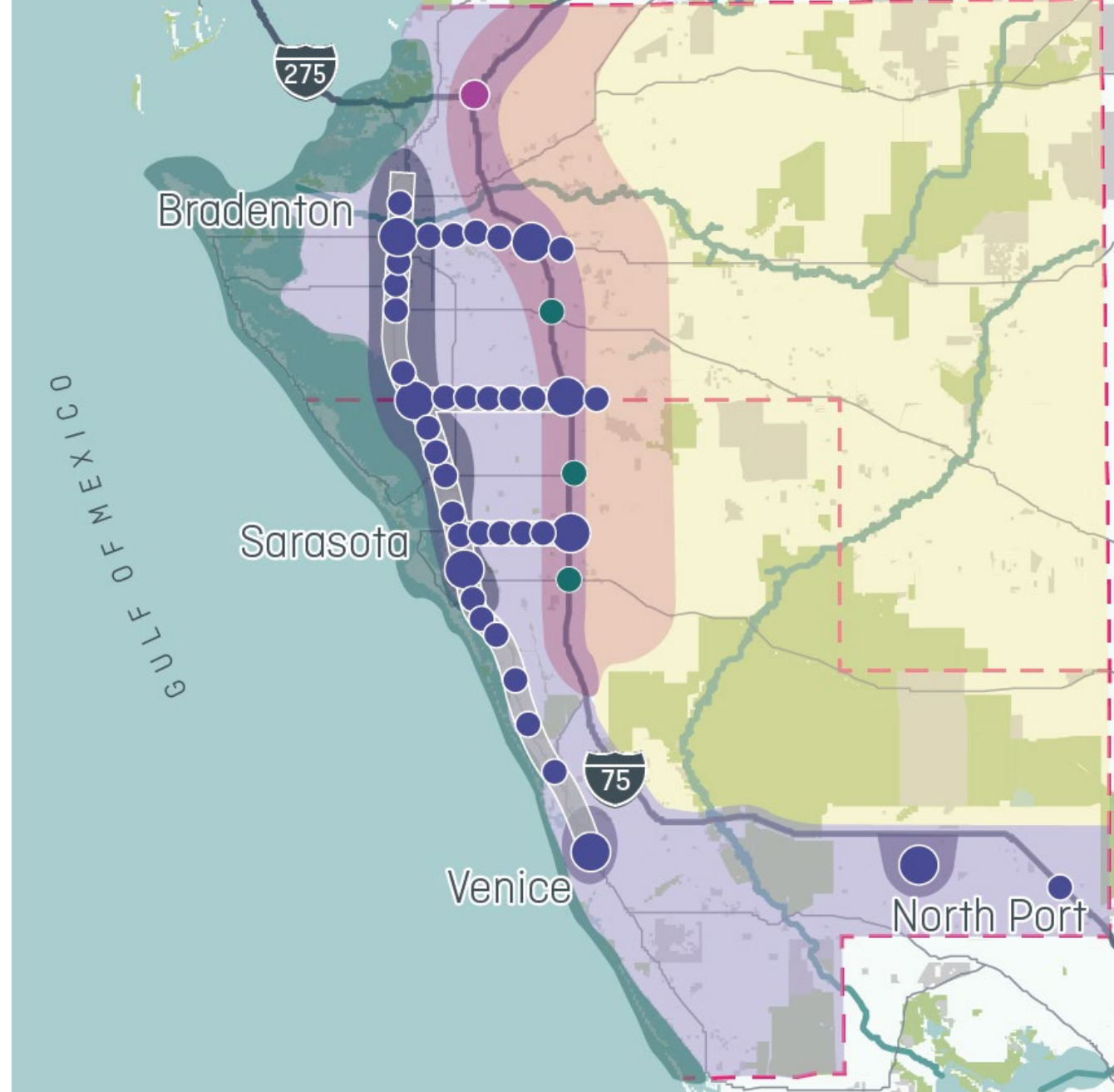
Vibrant places comments

- ***Like most***

- Investment in transit and transit oriented development
- Urban centers
- Enhancement of neighborhoods
- Maximizes land use efficiency
- Integrated planning, strong vision

- ***Like least***

- Cost, feasibility of transit
- Unrealistic, enough political courage?
- North Port not included
- Limits on growth east of I-75





SCENARIOS TO VISION Story and Strategies

TransForum Themes



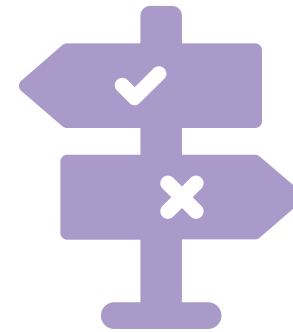
Promote opportunities

- Full range of jobs
- Safe and efficient access to jobs and services
- Affordable housing and transportation



Preserve what is important

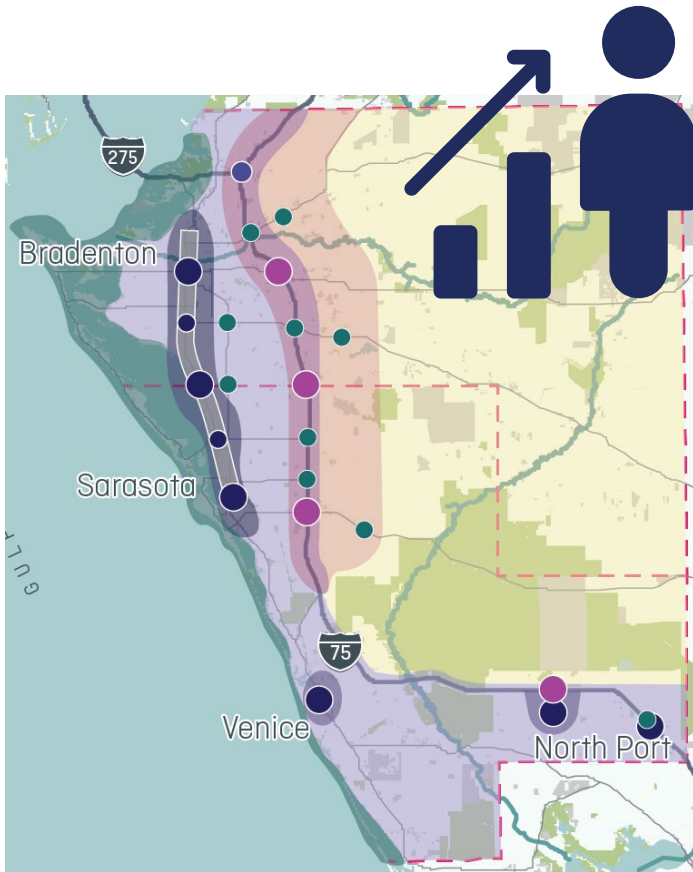
- Sustainability over generations
- Resiliency from storms and flooding



Provide choices

- Where to live (neighborhood types)
- Where to work and shop (center types)
- How to travel (modes)

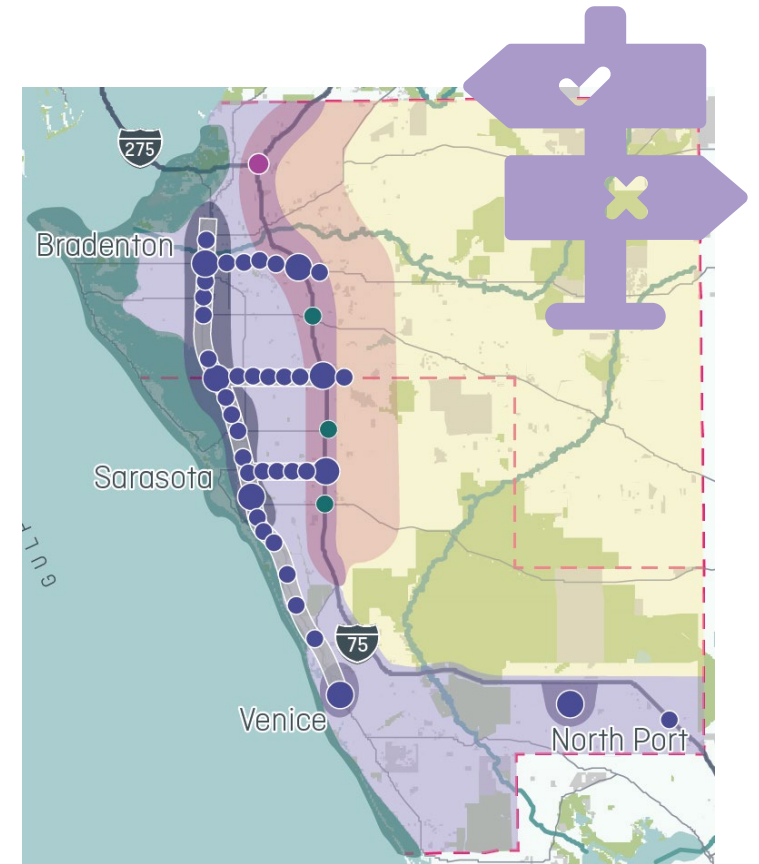
Themes to Scenarios to Vision



Economic Diversity



Environmental Health



Vibrant Places



Environmental Health

- **Theme: Preserve what is important**
 - Sustainability over generations
 - Resiliency from storms and flooding
- **Vision strategies**
 - Limit urban service area expansions beyond those currently contemplated
 - Limit development in coastal zone





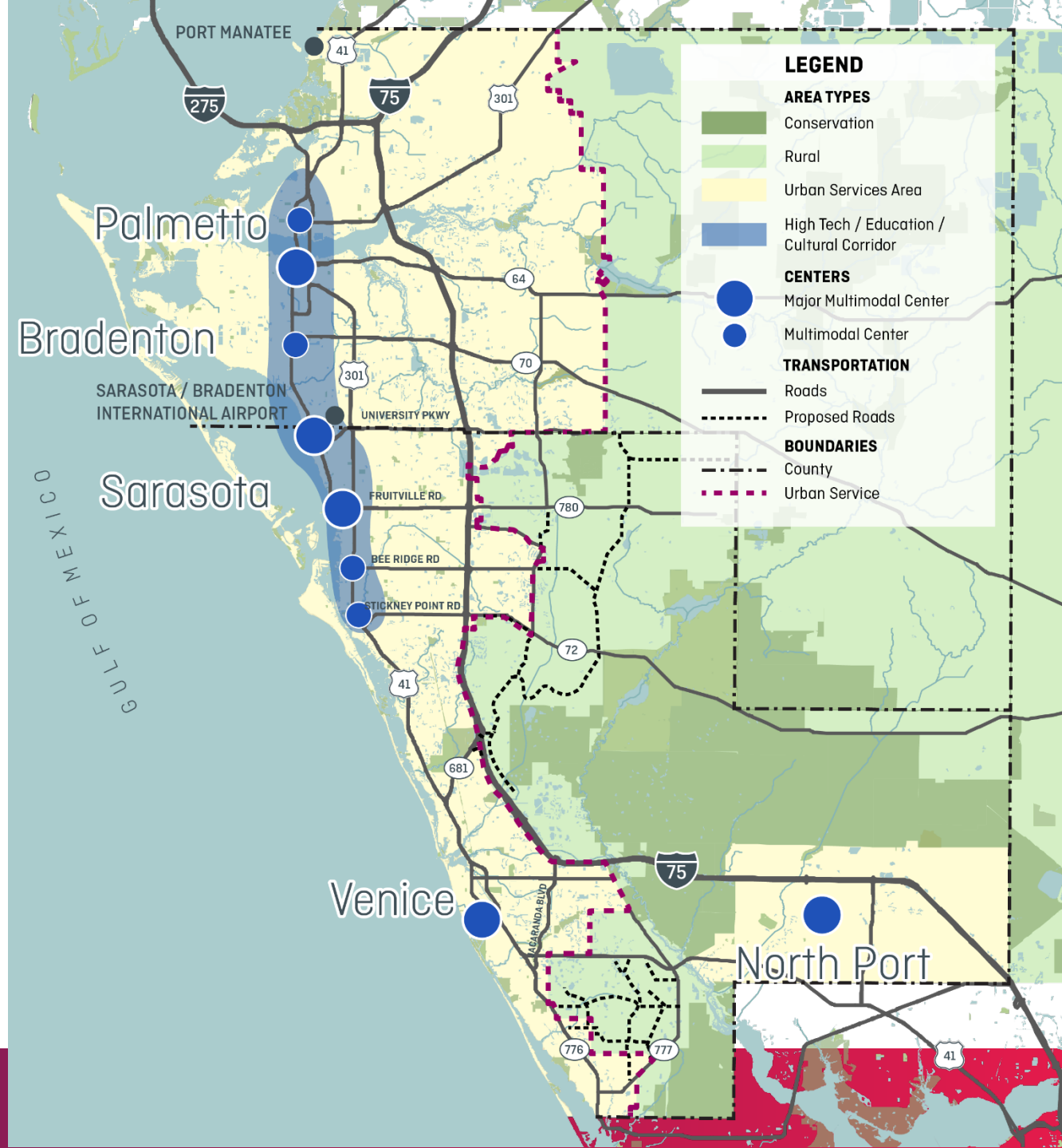
Economic Diversity

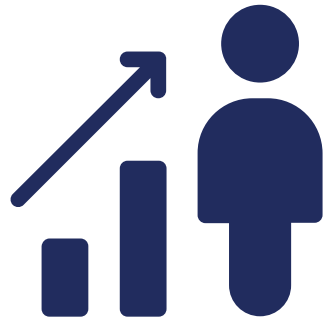
- **Theme: Promote opportunities**

- Full range of jobs
- Safe and efficient access to jobs and services
- Affordable housing and transportation

- **Vision strategies**

- Brand and plan for the “high tech / educational / cultural corridor” along US 41
 - Downtown Bradenton and Sarasota
 - New high tech, educational center west of Sarasota Bradenton International Airport
- Continues long standing MPO policy





Economic Diversity

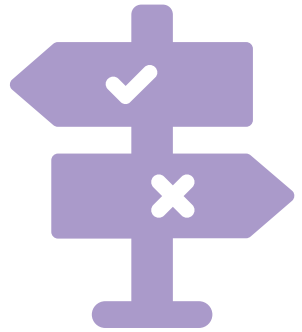
- **Theme: Promote opportunities**

- Full range of jobs
- Safe and efficient access to jobs and services
- Affordable housing and transportation

- **Vision strategies**

- Brand and plan for the “regional employment corridor” along I-75
 - Port Manatee to North Port
 - Multimodal employment centers
- Access to Port Manatee
- Access to Sarasota Bradenton International Airport





Vibrant Places

- **Theme: Provide choices**
 - Where to live (neighborhood types)
 - Where to work and shop (center types)
 - How to travel (modes)
- **Vision strategies**
 - Transportation investments
 - Premium transit corridors
 - Multimodal corridors
 - Intercity rail (Virgin Trains)
 - Connected roadway network east of I-75
 - Place investments
 - Multimodal centers
 - Transit oriented development
 - Walkable neighborhoods



2070 Vision

- **Promote opportunities**

- Full range of jobs
- Safe and efficient access to jobs and services
- Affordable housing and transportation

- **Preserve what is important**

- Sustainability over generations
- Resiliency from storms and flooding

- **Provide choices**

- Where to live (neighborhood types)
- Where to work and shop (center types)
- How to travel (modes)



BREAK OUT



Economic Diversity



Environmental Health



Vibrant Places

PUBLIC ENGAGEMENT
2045 Long Range Transportation Plan





How strongly do you agree that the 2070 VISION for Sarasota/Manatee addresses the following goal statement?



Promote Economic Diversity: Attract high tech businesses and employees, focus on port centers as economic engines, brand and plan for the higher education/cultural corridor on US 41, prepare infrastructure for new technology.

Strongly agree

Moderately agree

Somewhat agree

Do not agree

Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app



How strongly do you agree that the 2070 VISION for Sarasota/Manatee addresses the following goal statement?



Preserve Environmental Health: Safeguard treasured environmental assets, plan for resiliency from storms and flooding, balance protection and land use, increase density and decrease auto dependency.



- Strongly agree
- Moderately agree
- Somewhat agree
- Do not agree



Start the presentation to see live content. Still no live content? Install the app or get help at PolleEv.com/app





How strongly do you agree that the 2070 VISION for Sarasota/Manatee addresses the following goal statement?



Create Vibrant Places: Increase housing and transportation choices, provide more multimodal options including safe walking and bicycling, preserve corridors for future premium transit to connect urban centers.



Strongly agree

Moderately agree



Somewhat agree

Do not agree

Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app



What do you like **BEST** about the 2070 VISION for Sarasota/Manatee? Please list up to three:



Start the presentation to see live content. Still no live content? Install the app or get help at Pollev.com/app



What do you like LEAST about the 2070 VISION for Sarasota/Manatee? Please list up to three:



Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app



FROM VISION TO REALITY

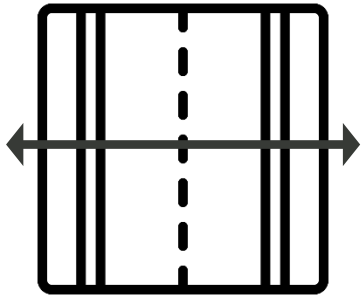
Integrated Planning and Design



Chris Sinclair
Renaissance Planning

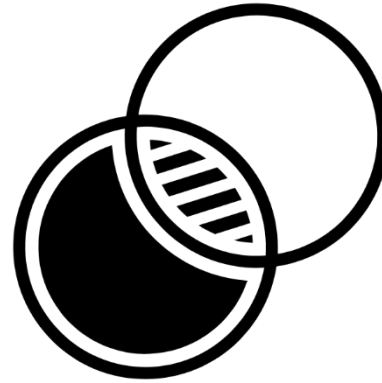
Focus on corridors

Objective 1: Protect right of way (mobility bandwidth) for multimodal options



- General purpose lanes
- Exclusive transit lanes
- Autonomous vehicle lanes
- Bike lanes
- Pedestrian paths

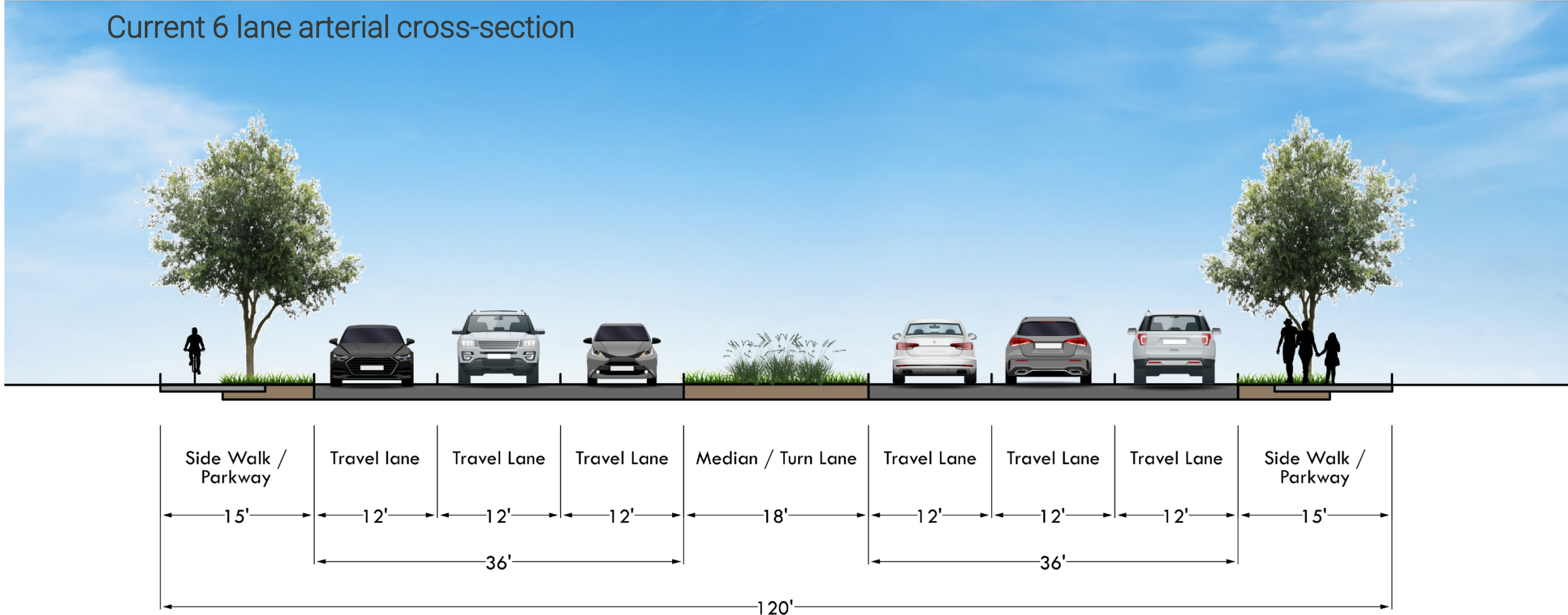
Objective 2: Integrate and coordinate land use and transportation



- Land use / urban design overlays supporting transportation objectives / bandwidths
- Coordinated phasing and timing of transportation with land use changes

Cross section phasing illustration

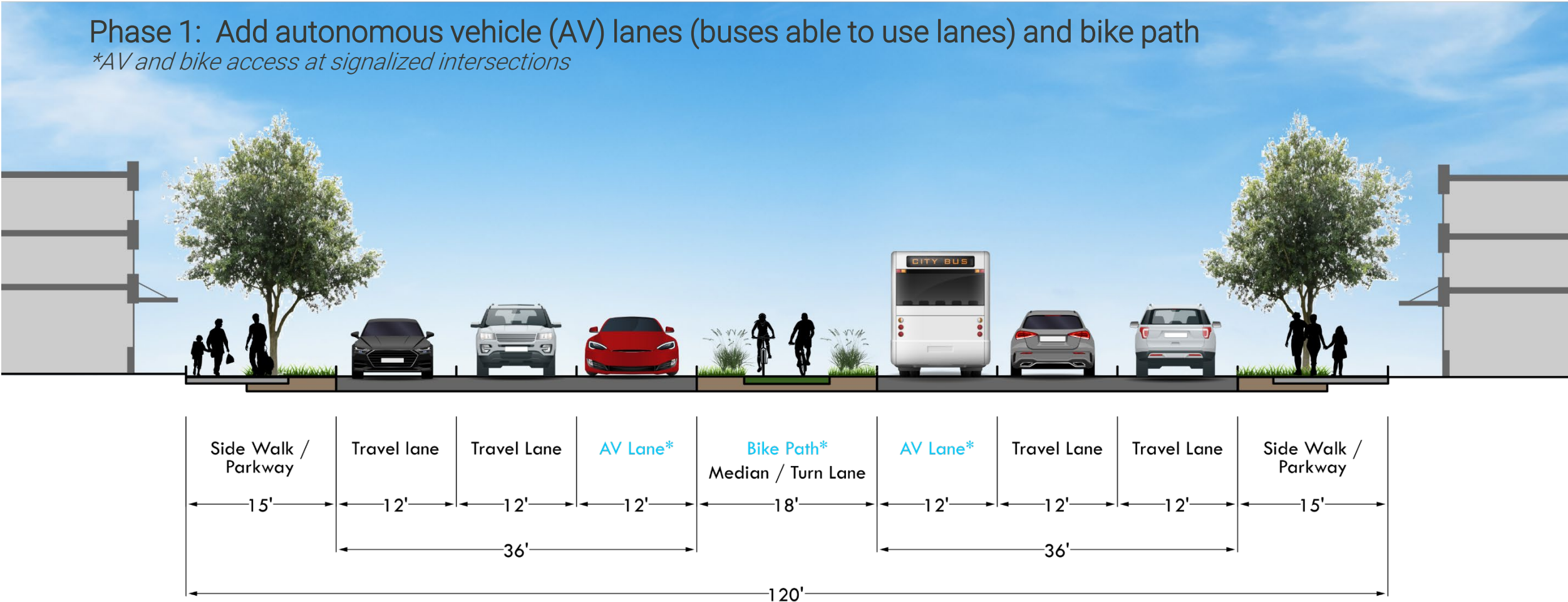
Current 6 lane arterial cross-section



Cross section phasing illustration

Phase 1: Add autonomous vehicle (AV) lanes (buses able to use lanes) and bike path

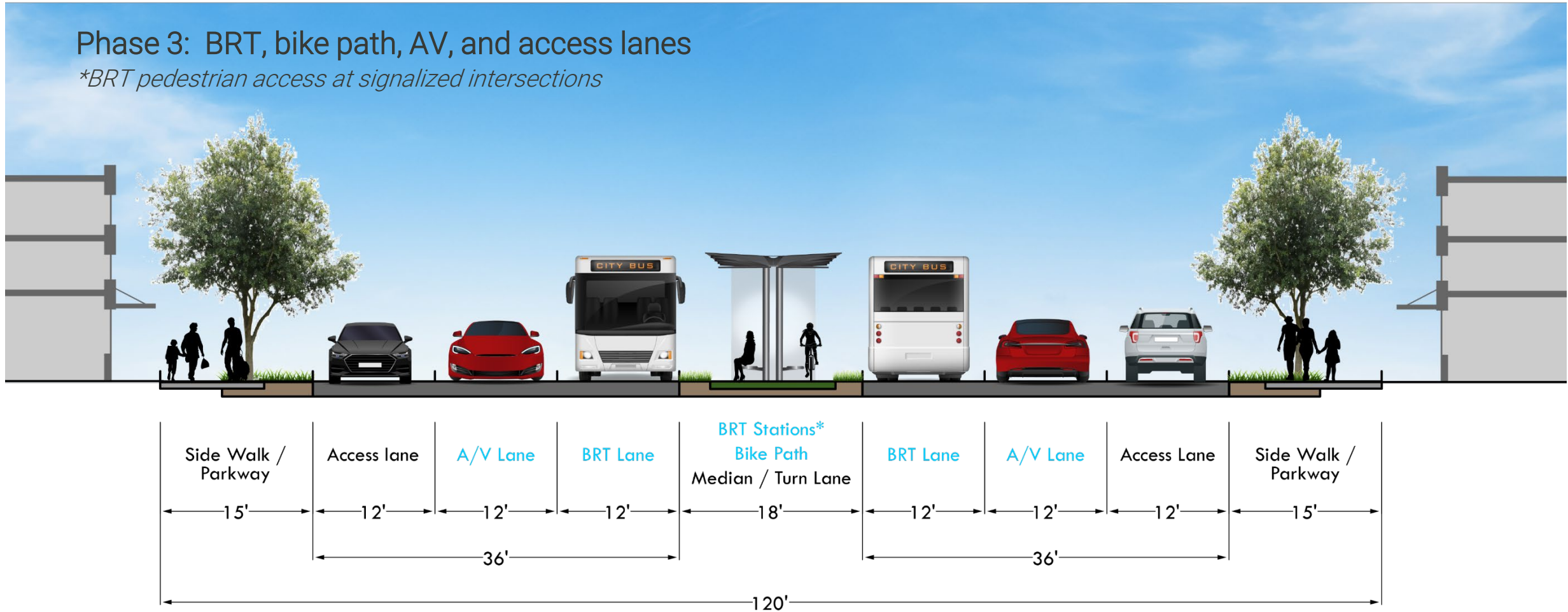
**AV and bike access at signalized intersections*



Cross section phasing illustration

Phase 3: BRT, bike path, AV, and access lanes

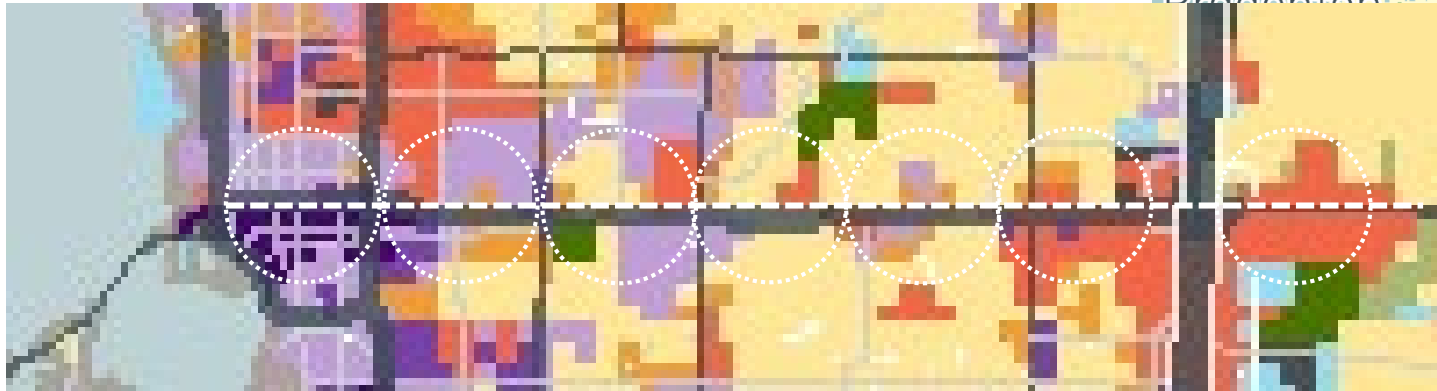
**BRT pedestrian access at signalized intersections*



Corridor transition illustration

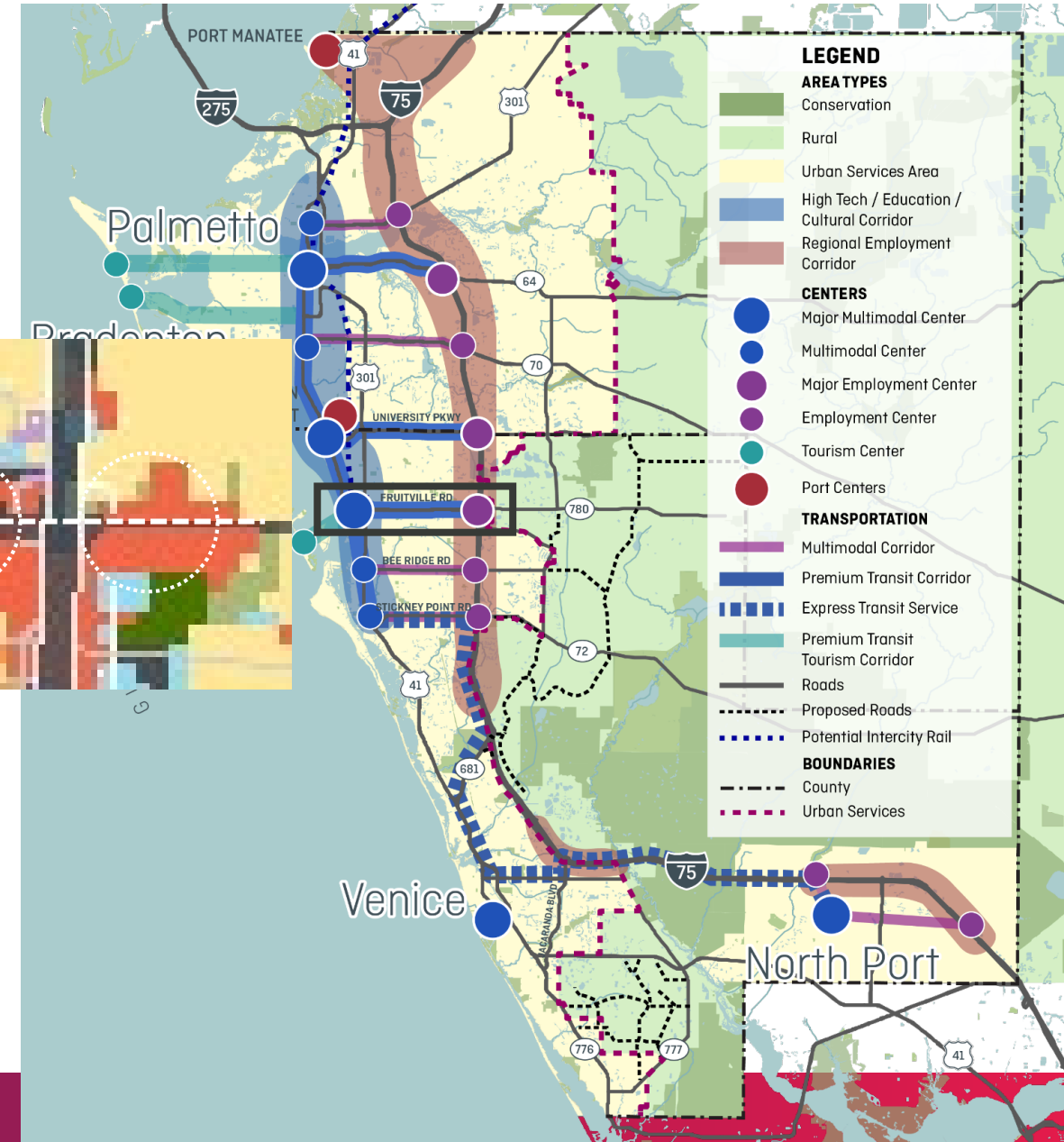
Step 1: Set Premium Transit targets

7 miles



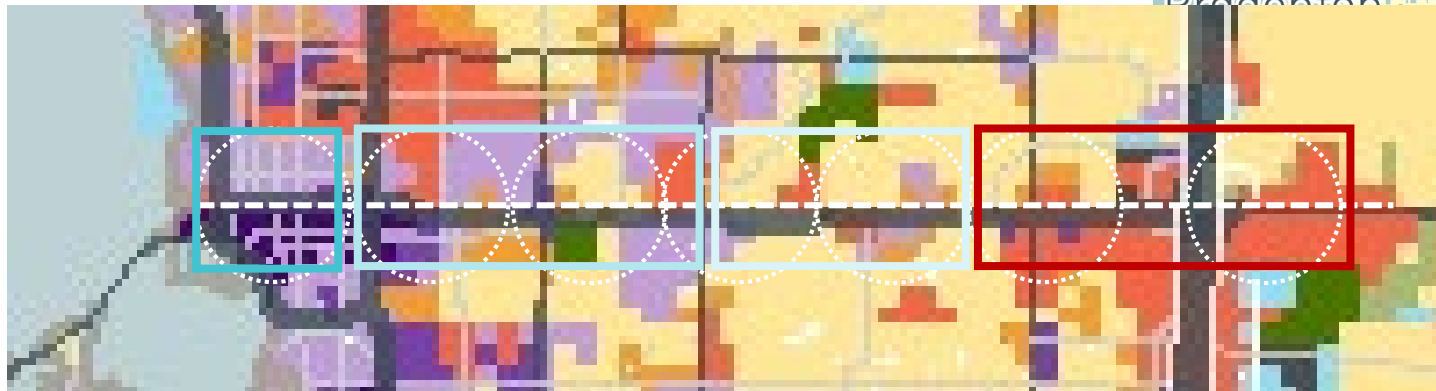
Operating speed = 30 mph
1- mile station spacing target = 7 stations

10,000 daily riders
75% by walk access from ½ mile station area



Corridor transition illustration

Step 2: Assess TOD readiness

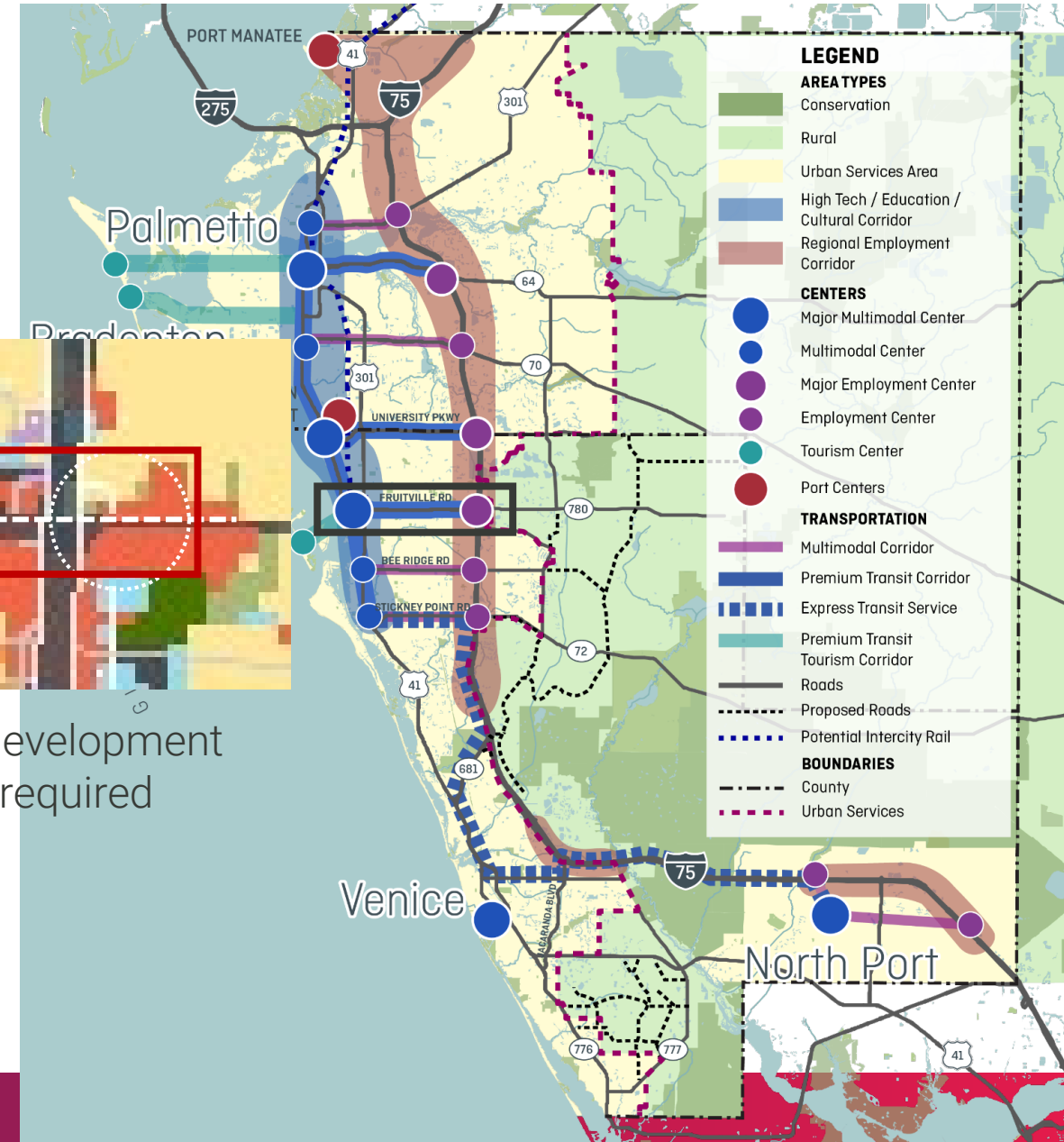


TOD
ready

Moderate
to high
potential

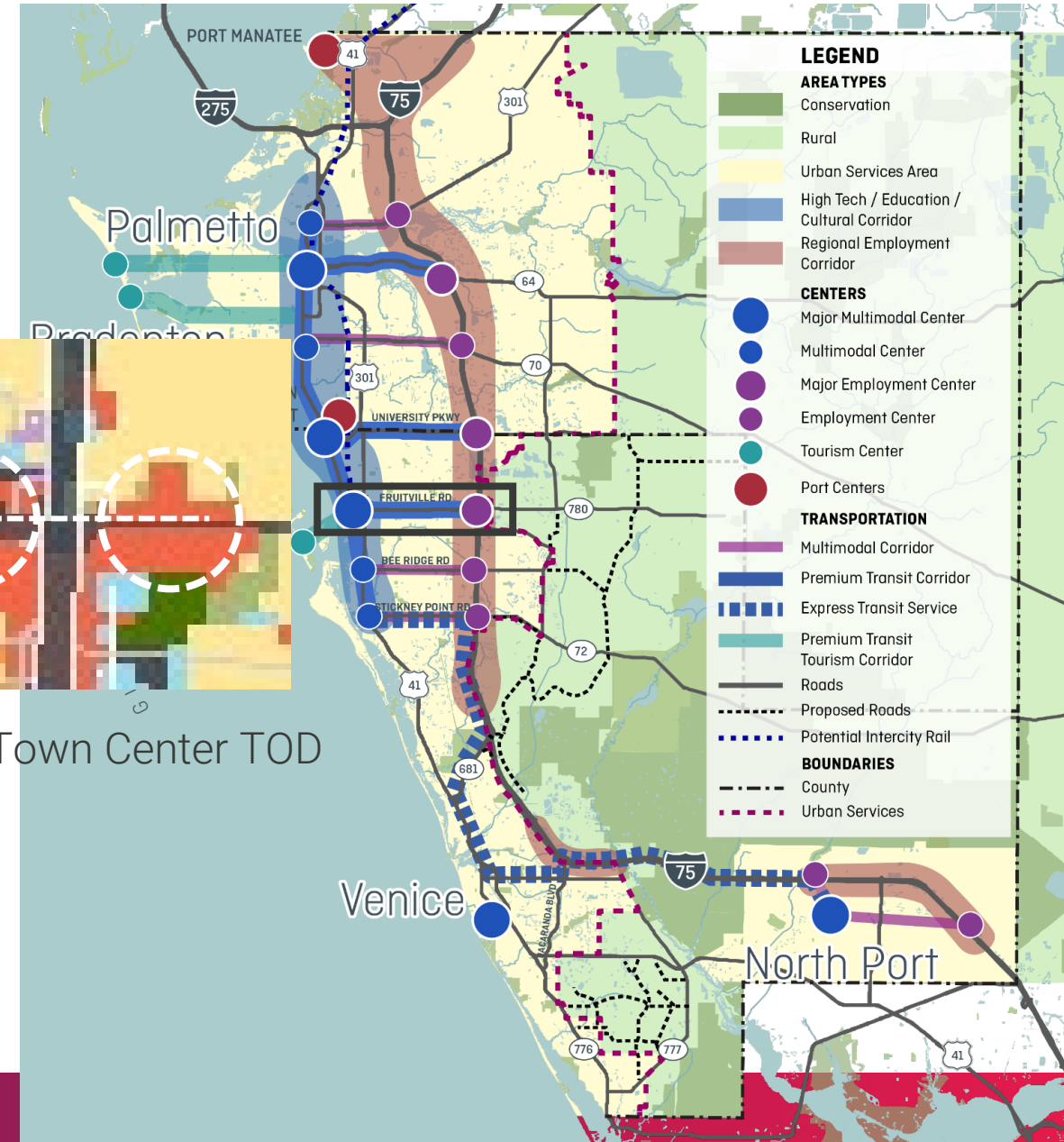
Limited
potential

Redevelopment
required



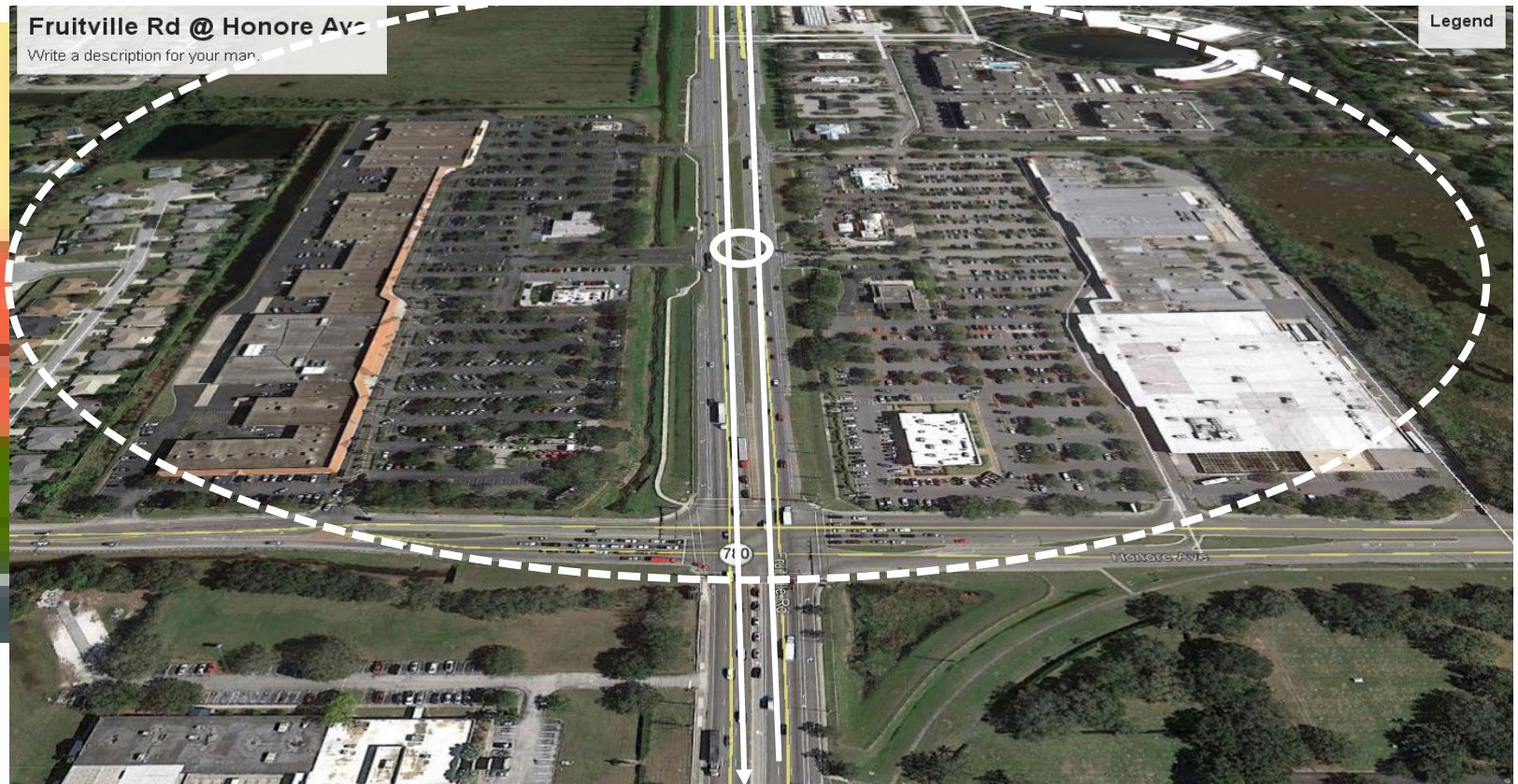
Corridor transition illustration

Step 3: Align operations and TOD



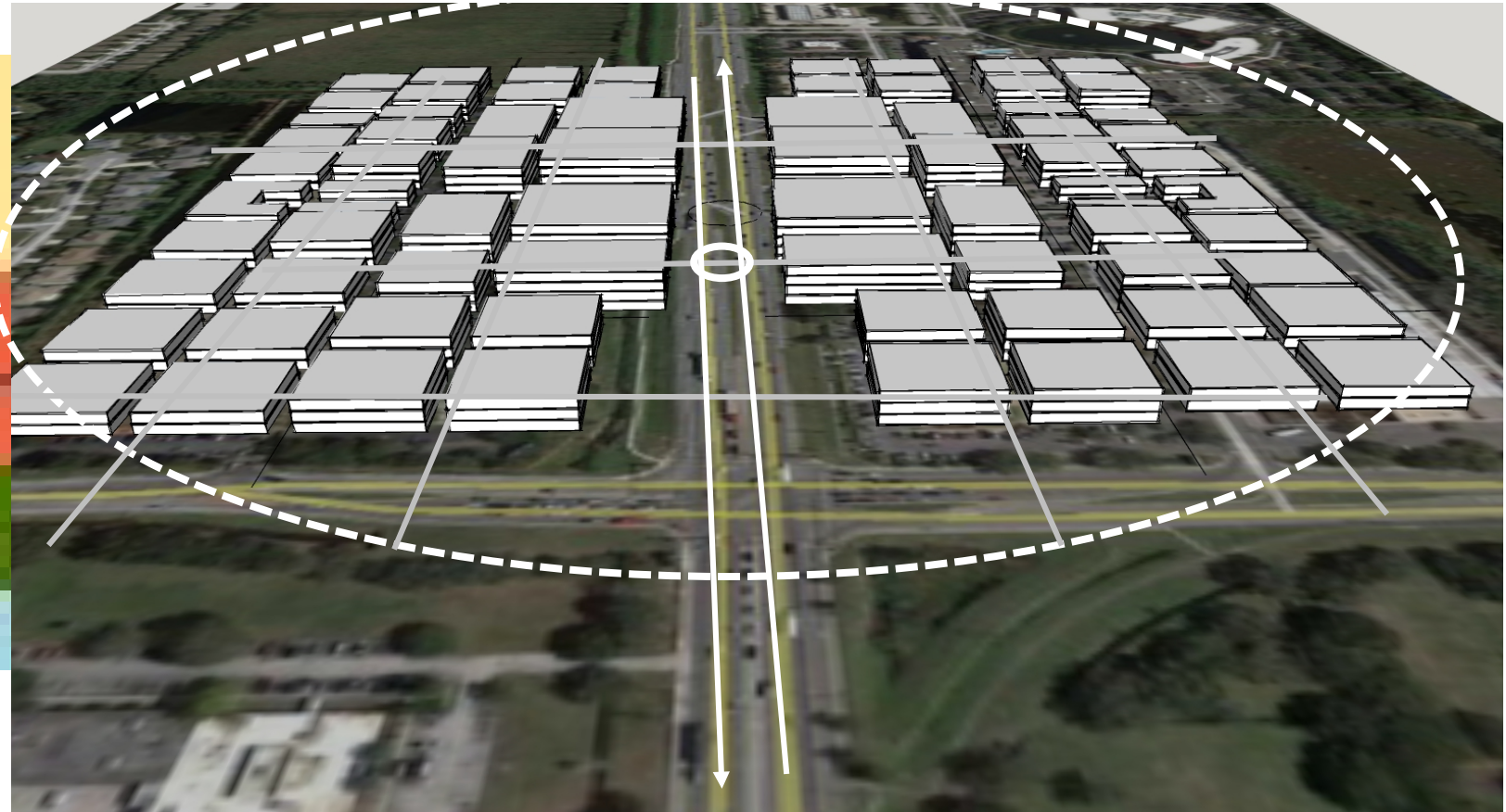
Corridor transition illustration

Step 4: Create TOD Overlay



Corridor transition illustration

Step 4: Create TOD Overlay





The VISION
*you work on today will
determine the direction of the*
**2045 Long Range
Transportation Plan**

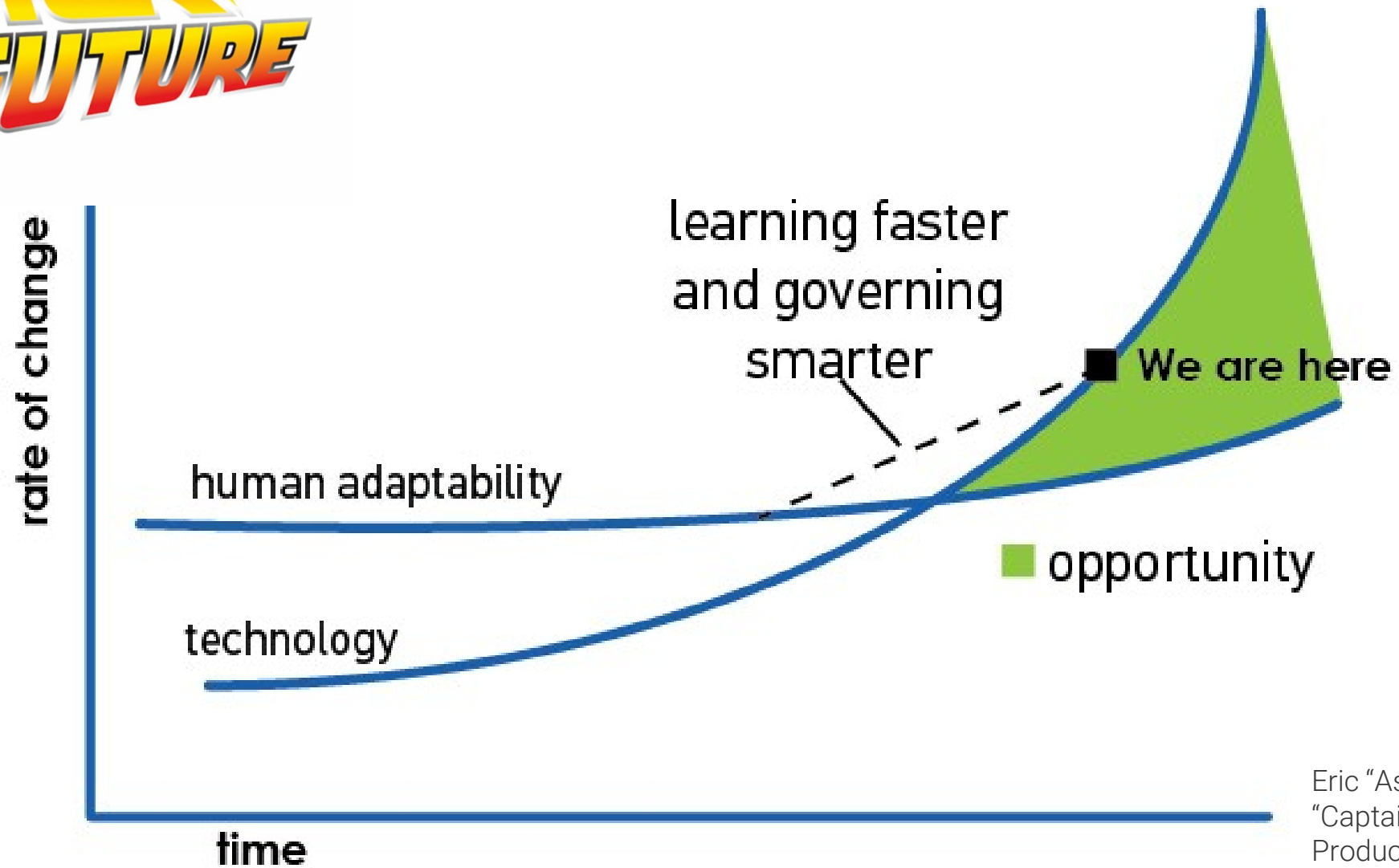
Next Steps

- Provide feedback during today's workshop
- Online feedback through mid-March
- MPO Committee and Board approval at March meetings
- Vision becomes policy and planning framework for Long Range Transportation Plan
- Adopt 2045 Long Range Transportation Plan in September, 2020



To complete the online survey visit, www.mympo.org/TransformTomorrow

BACK TO THE FUTURE



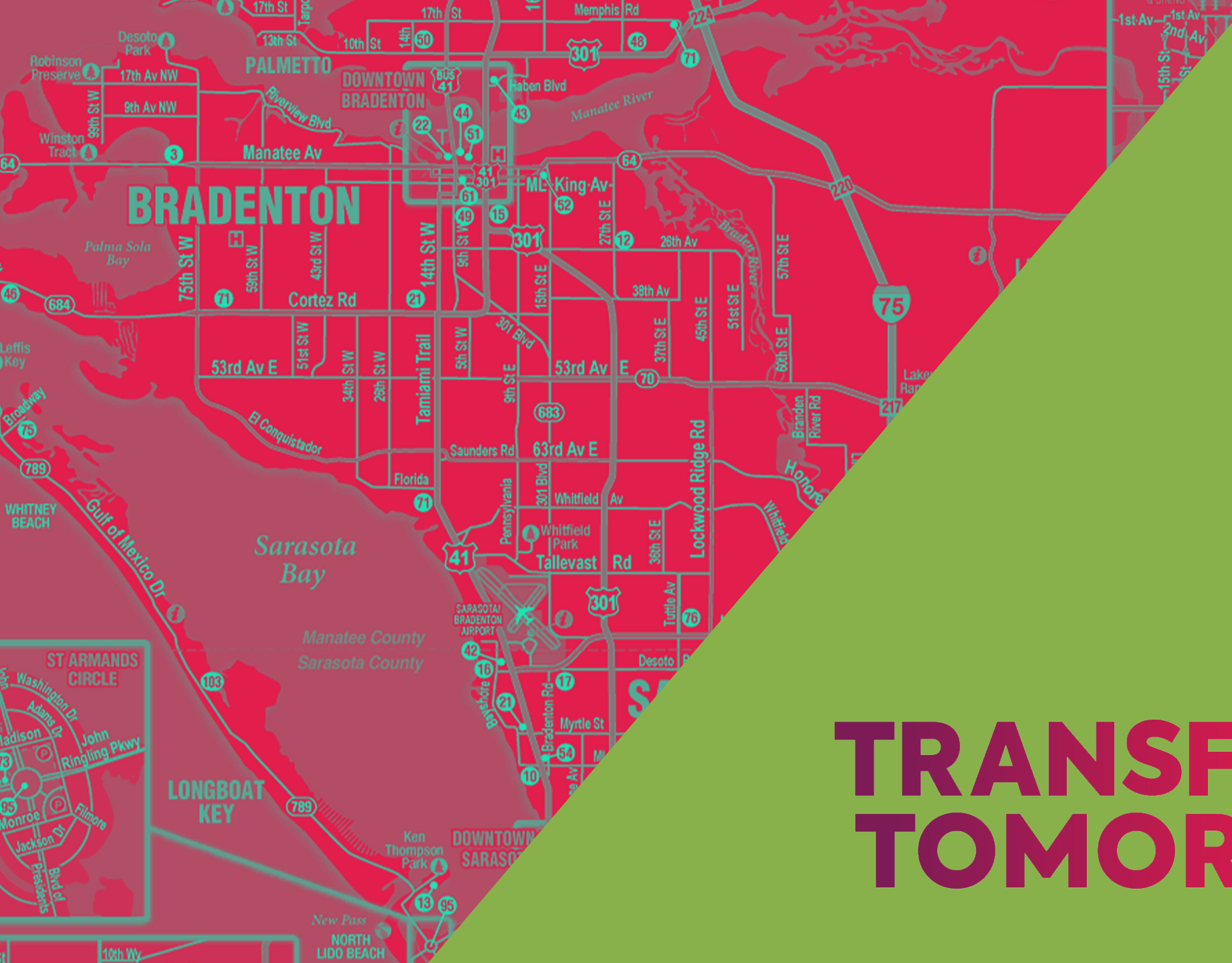
Eric "Astro" Teller, CEO of Google X
"Captain of Moonshots"
Produced Google's self-driving car



Florida Department of Transportation Report -Secretary L.K. Nandam, FDOT District 1



Board Member Comments



**TRANSFORM
TOMORROW** >>>