



# **BIKE WALK HAMPTON**

A Strategic Bicycle & Pedestrian Plan  
Community Plan Amendment 16-00002

City Council  
December 14, 2016



# PROPOSAL

Amend the Hampton Community Plan to include the *Bike Walk Hampton Plan*

# WHAT?

## Hampton's First Bicycle & Pedestrian Plan

Focus Area: Seven Master Plan Areas

Many User Groups: Competitive, Recreation, & Transit

Program & Policy Recommendations

30+ Miles of Facility Recommendations

Prioritization & Implementation Criteria



# WHAT?

Hampton's First Bicycle & Pedestrian Plan

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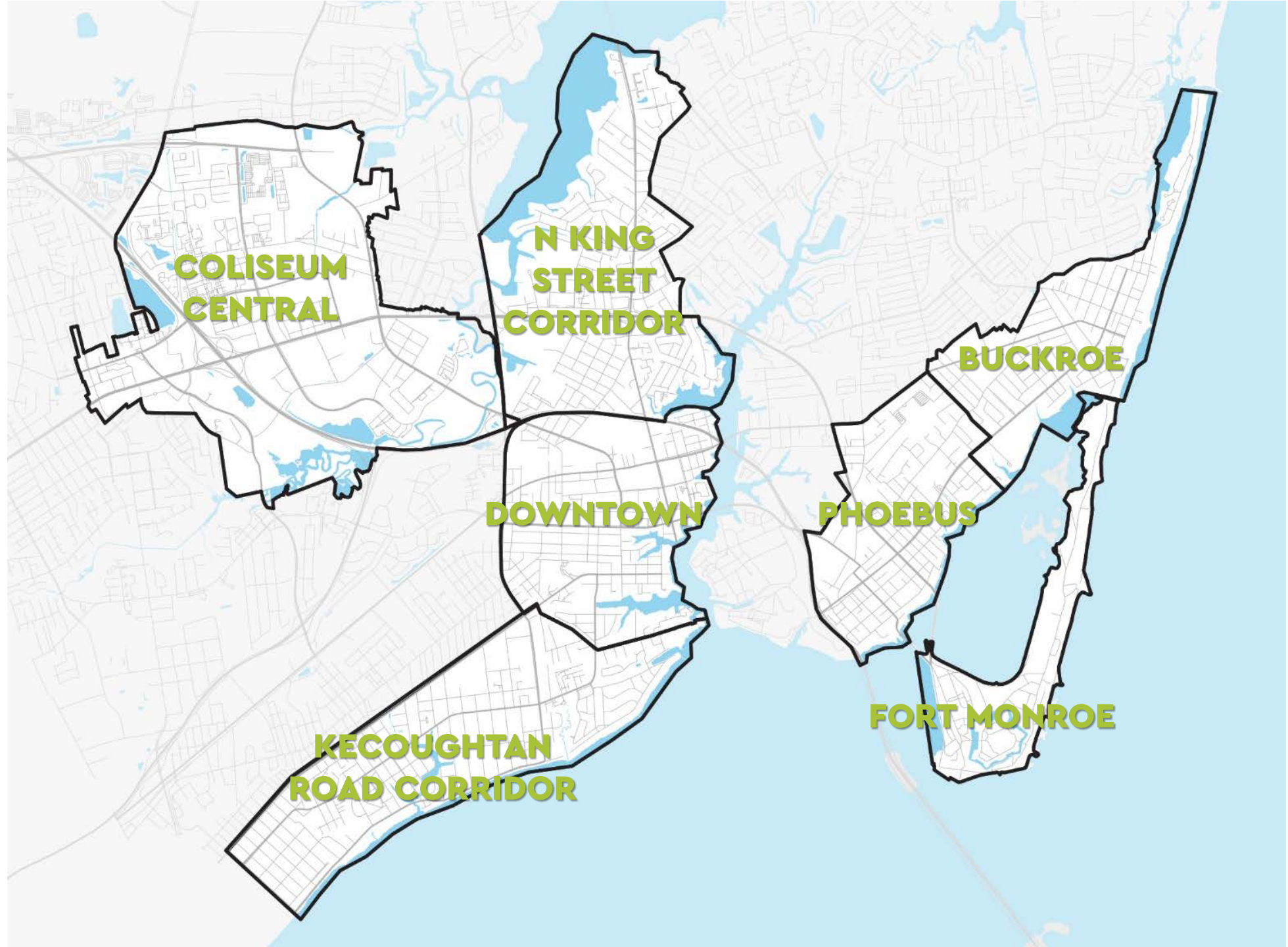
Program & Policy Recommendations

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# MASTER PLAN AREAS



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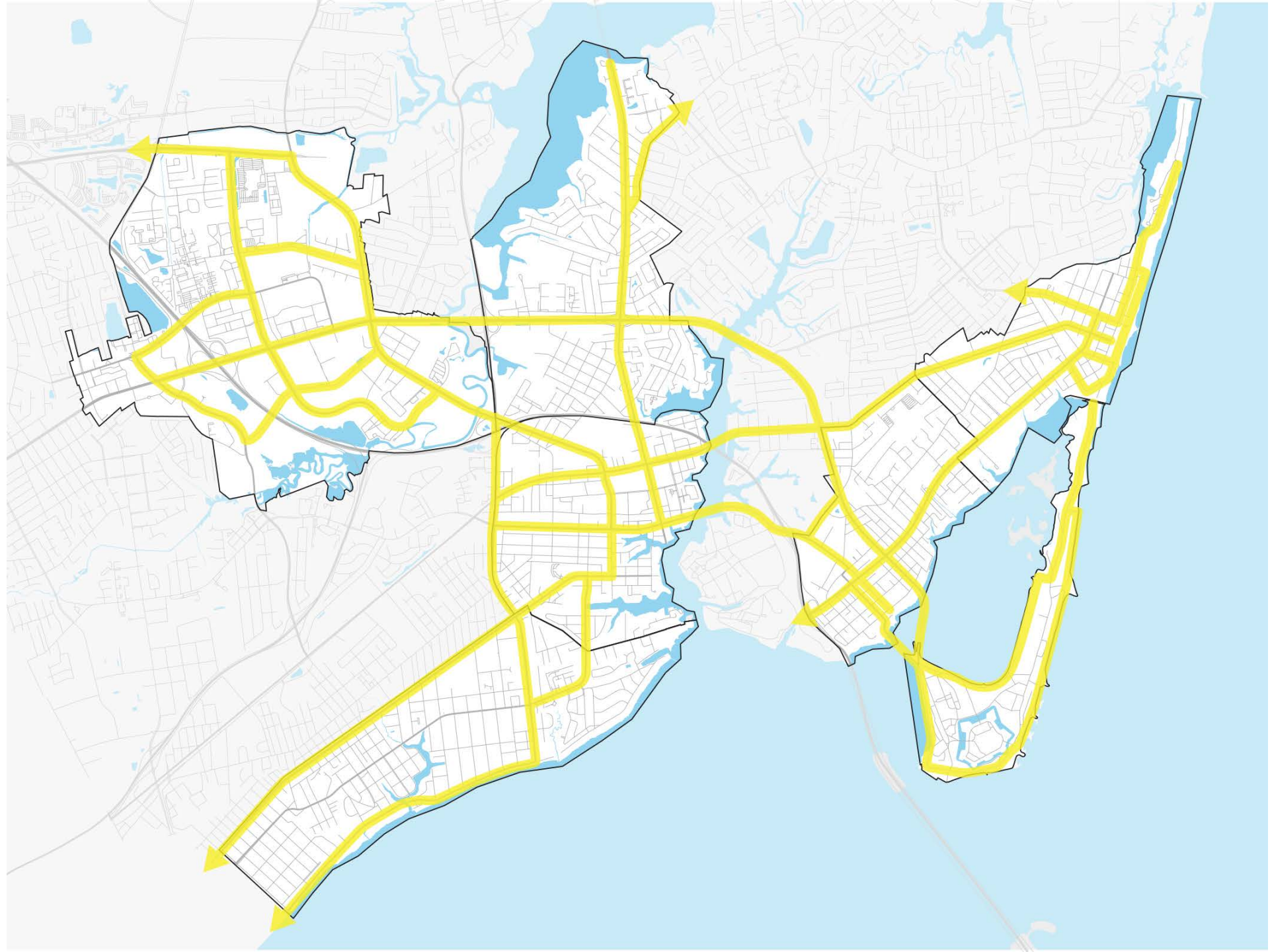


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# STRATEGIC CORRIDORS



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**Prioritization & Implementation Criteria**



# WHY?

**ECONOMIC BENEFITS**  
Property Values  
Transportation Savings

**ENVIRONMENTAL  
BENEFITS**

**HEALTH BENEFITS**

**Plus, it's fun.**



# GOALS

- 1** **Create a plan** utilizing community input and expertise to meet the need of **all user groups**.
- 2** **Connect local and regional destinations** and resources with active transportation options.
- 3** Design a **framework of strategic corridors** for the future development of safe and connected bicycle and pedestrian infrastructure in and between the City's seven Master Plan areas.
- 4** Provide direction and guidance on **appropriate bicycle and pedestrian facilities** in distinct settings.
- 5** **Develop programs and policies** to respond to changing needs of the public.
- 6** **Prioritize project recommendations** for achieving implementation.



# EXISTING CONDITIONS

## CHALLENGES TO BIKE & PED TRANSPORTATION



NARROW BRIDGES



LACK OF CONNECTIVITY



LACK OF AMENITIES



HIGH TRAFFIC ROADWAYS



LACK OF CLARITY



# EXISTING CONDITIONS

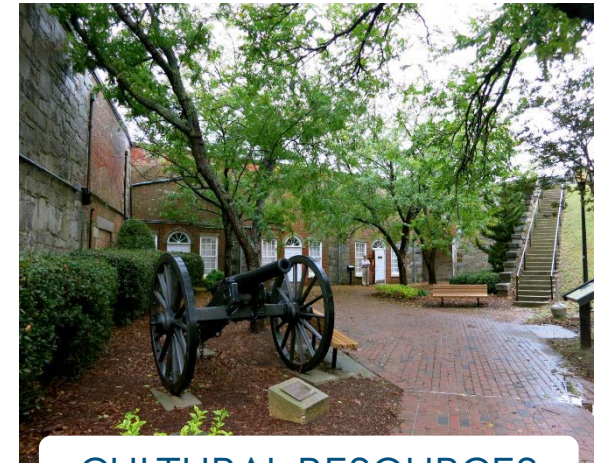
## OPPORTUNITIES FOR BIKE & PED TRANSPORTATION



NEIGHBORHOODS & ACTIVITY CENTERS



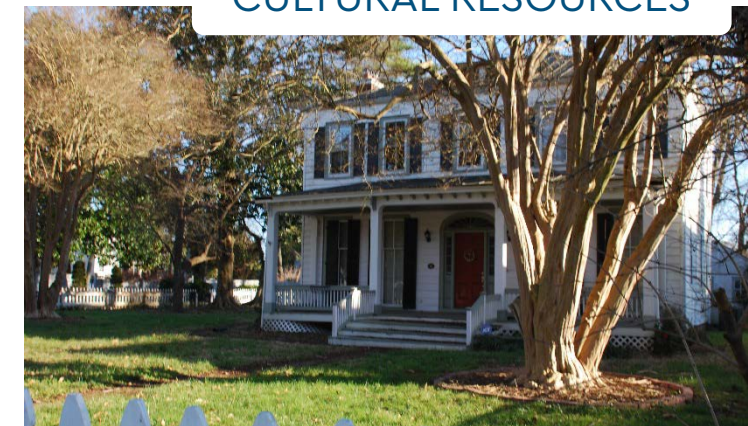
REGIONAL ATTRACTIONS



CULTURAL RESOURCES



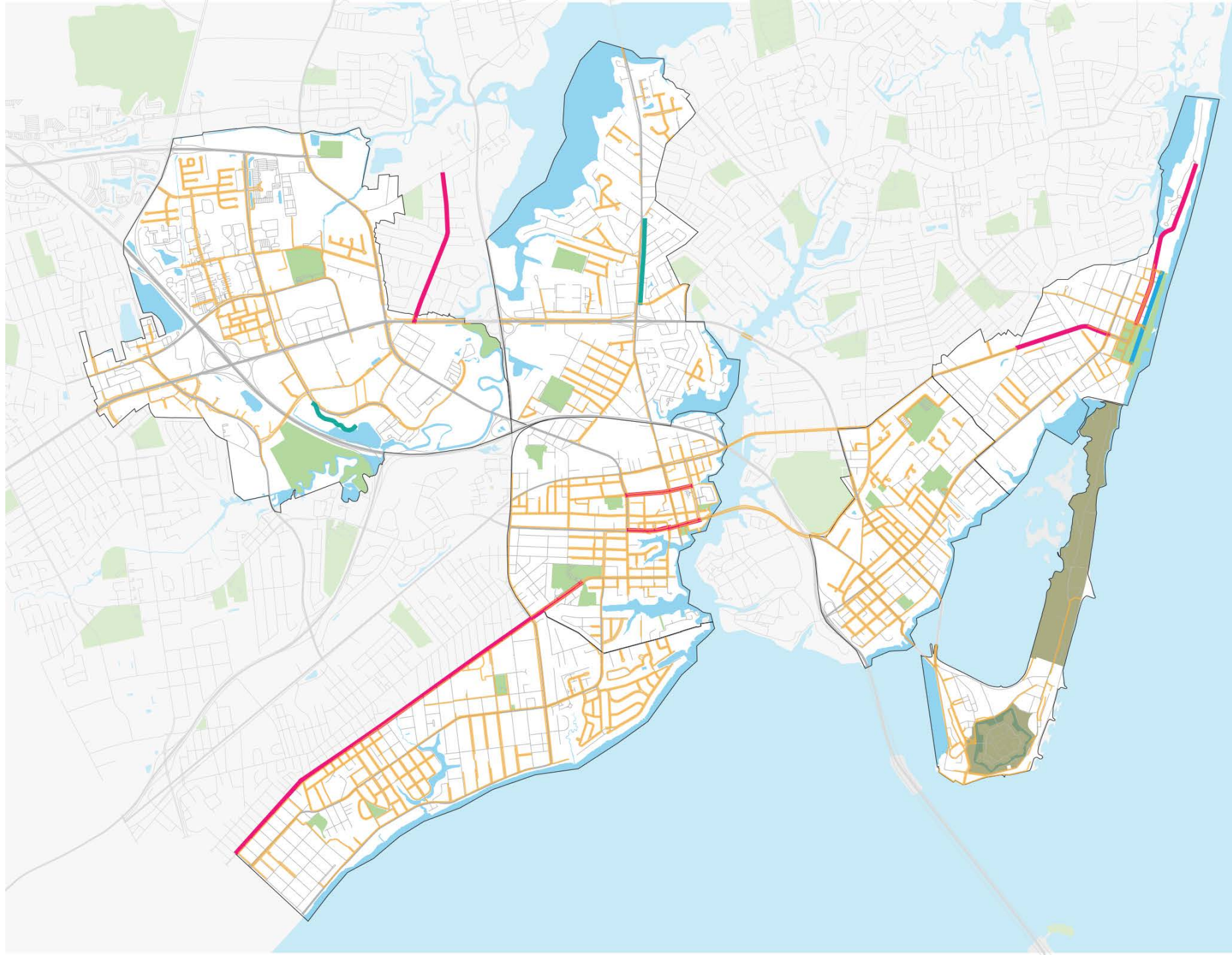
NATURAL RESOURCES



# EXISTING CONDITIONS

## EXISTING FACILITIES

- Existing Bike Lanes
- Existing Two-way Cycle Track
- Existing Shared Use Path
- Existing Sidewalk



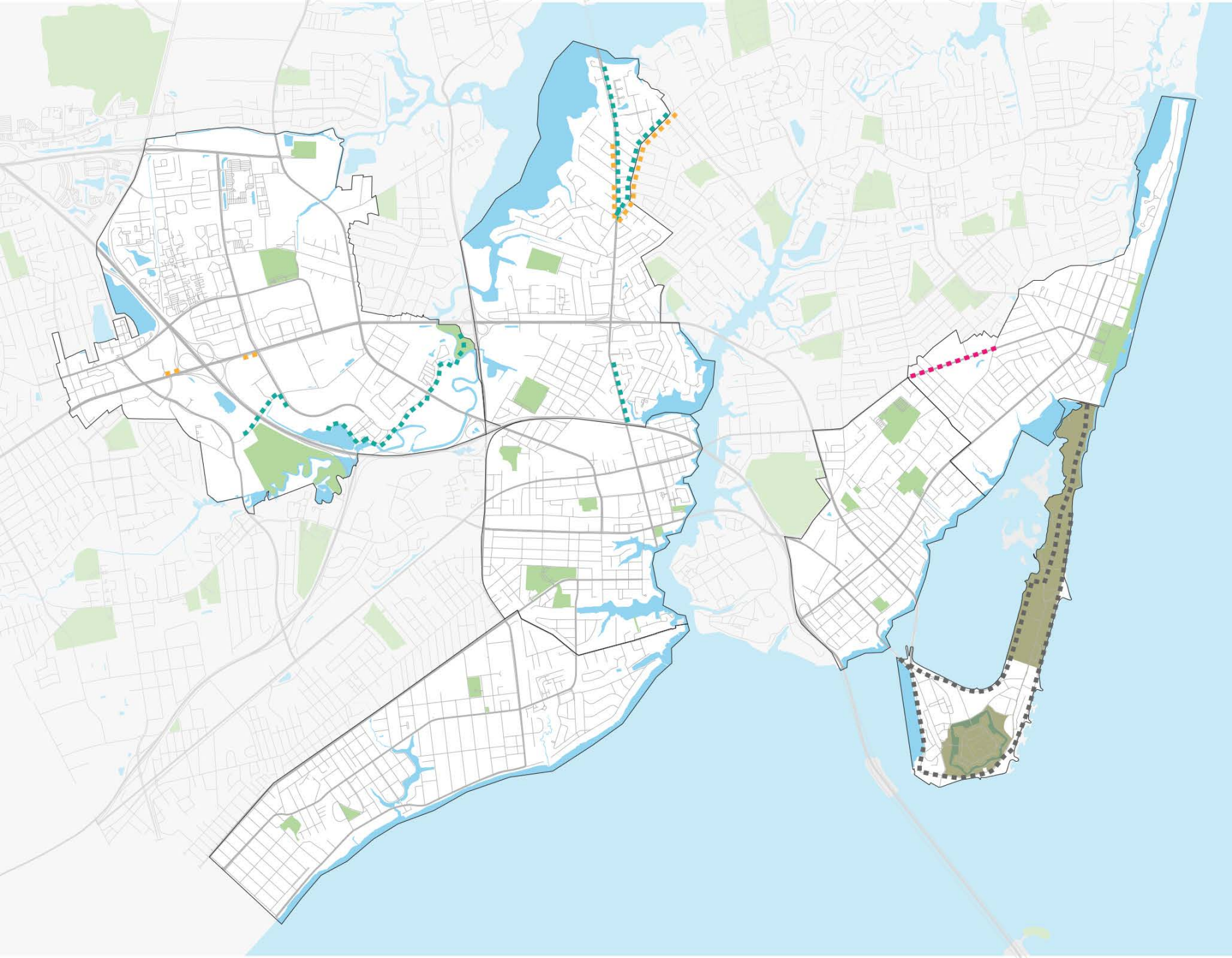
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# EXISTING CONDITIONS

## PLANNED FACILITIES

- ■ ■ ■ Bike Lanes
- ■ ■ ■ Shared Use Path
- ■ ■ ■ Sidewalk
- ■ ■ ■ Future Facilities per Fort Monroe Master Plan

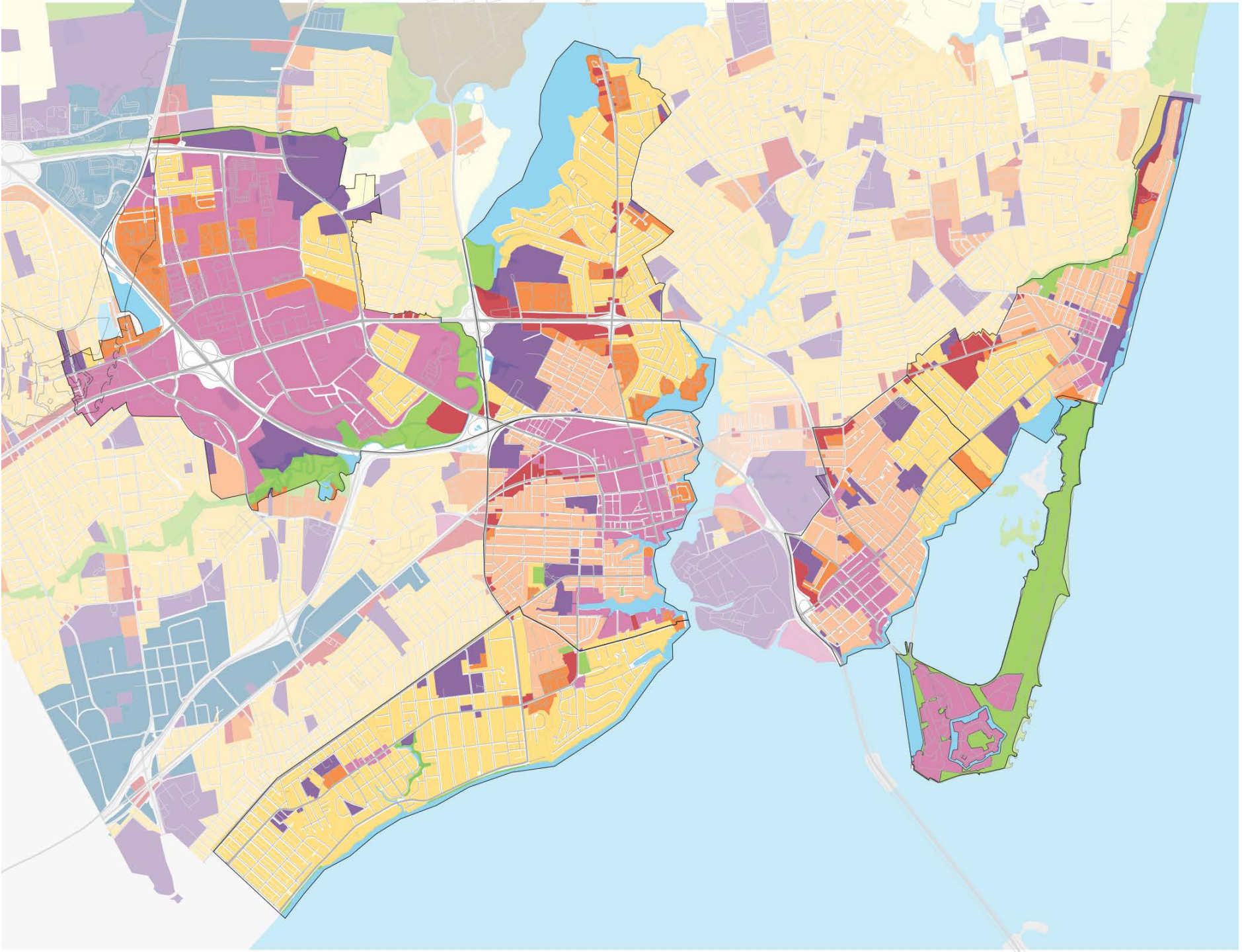


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# EXISTING CONDITIONS

## LAND USE

- Low Density Residential
- Medium Density Residential
- High Density Residential
- Business/Industrial
- Commercial
- Military
- Mixed Use
- Open Space
- Public/Semipublic

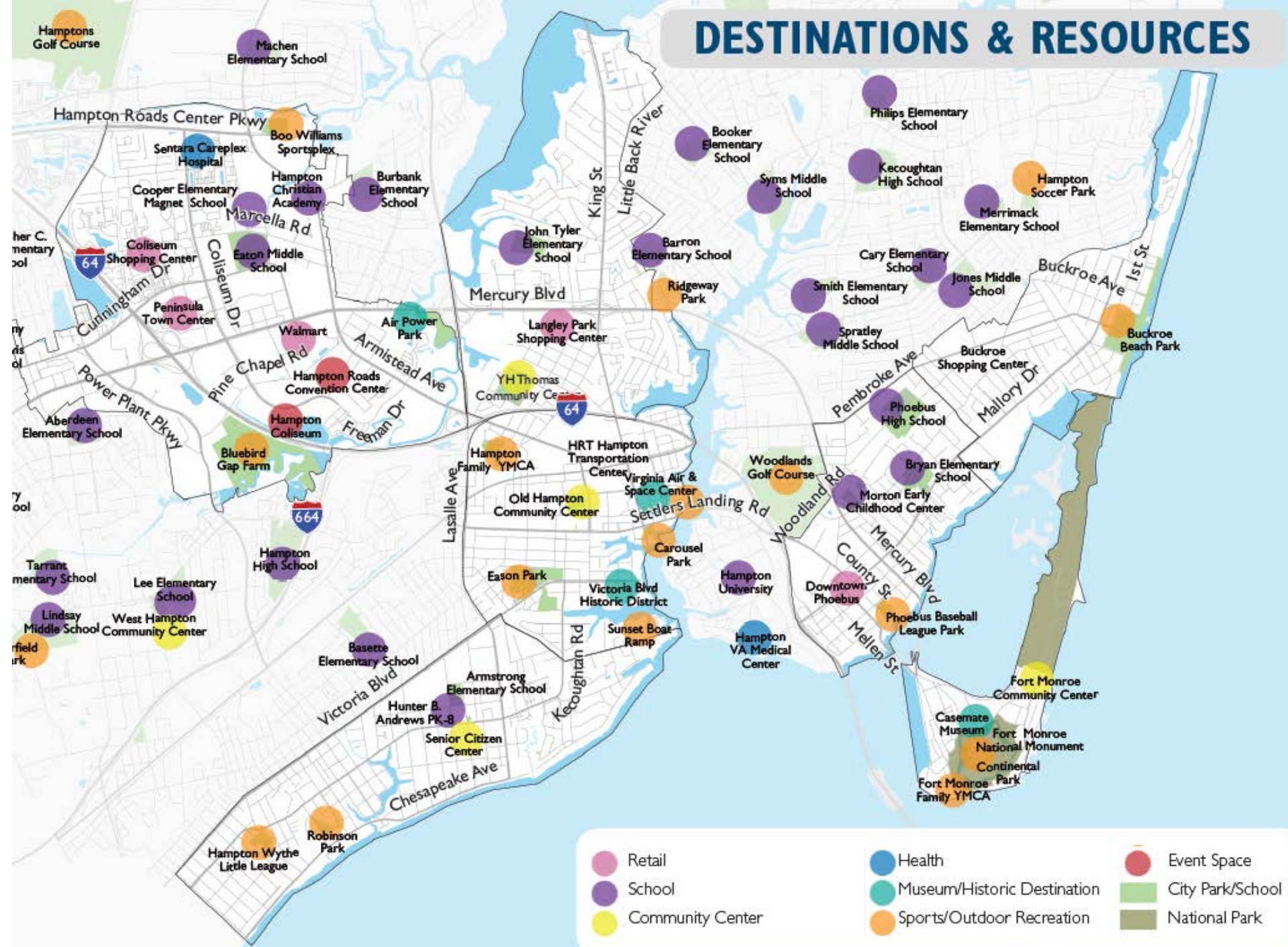


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# EXISTING CONDITIONS

## DESTINATIONS & RESOURCES

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# EXISTING CONDITIONS

## CRASH DATA

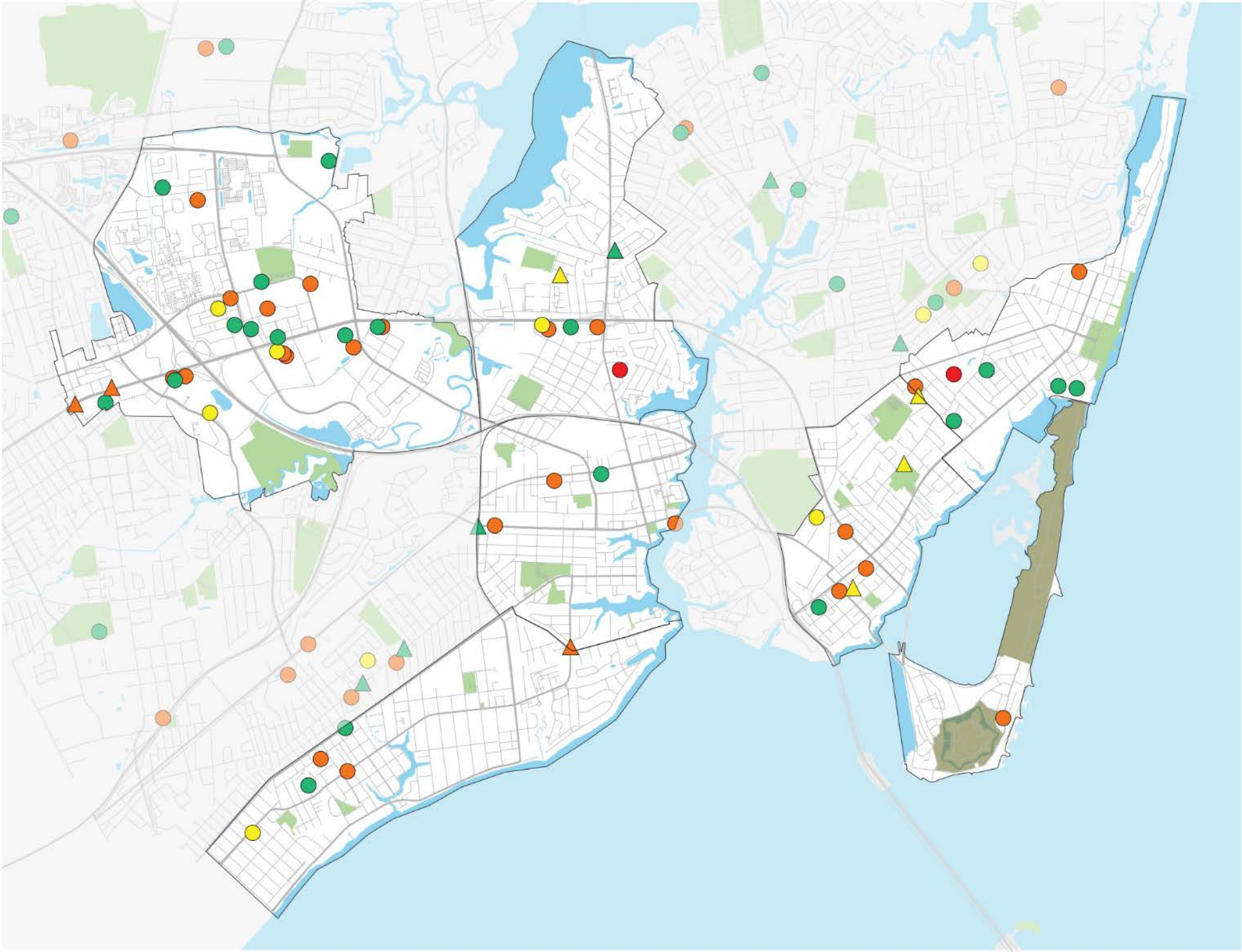
Bicycle  
(2014)



Pedestrian  
(2014-2015)



- Fatal Injury
- Incapacitating Injury
- Non-Incapacitating Injury
- Non-Visible Injury

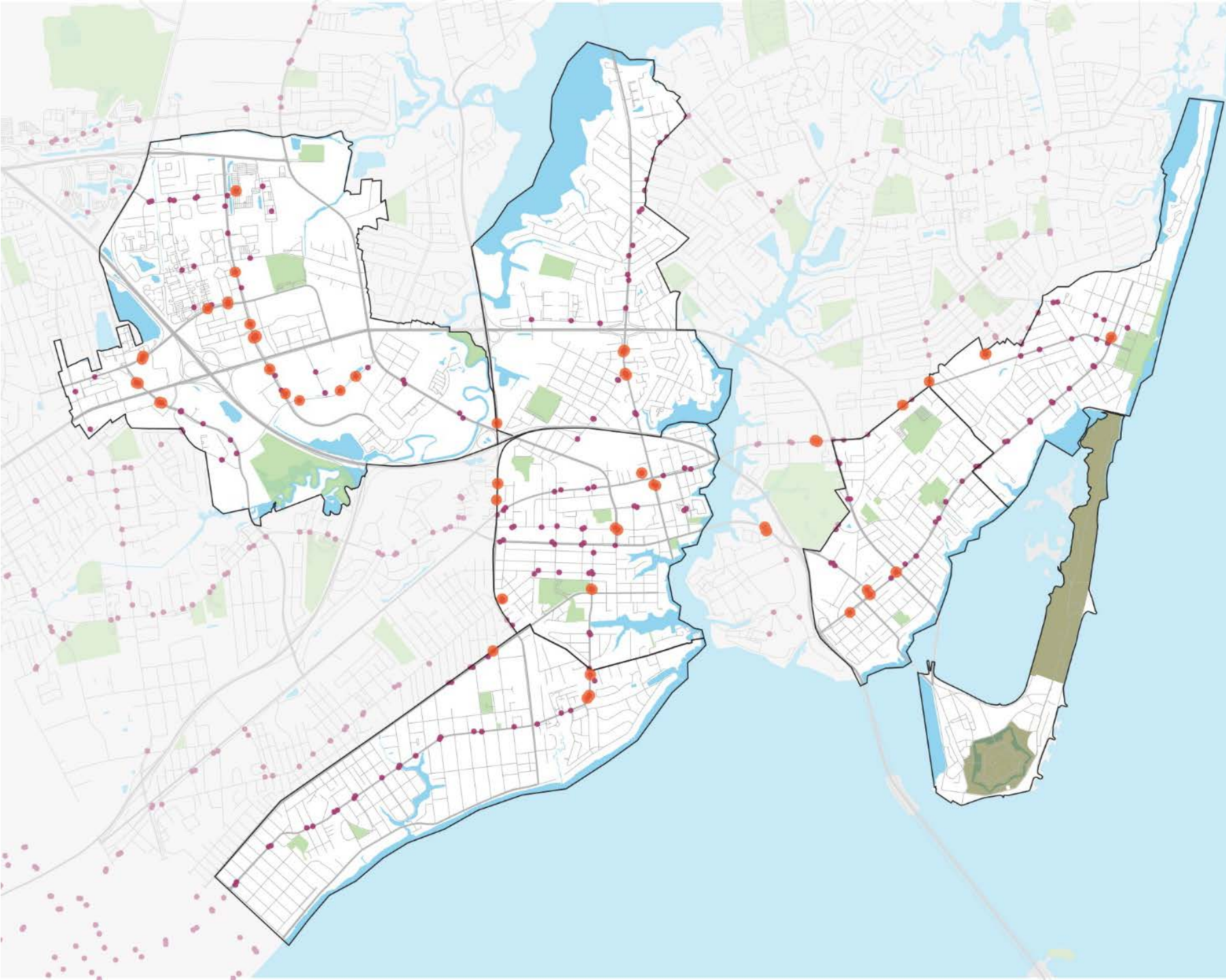


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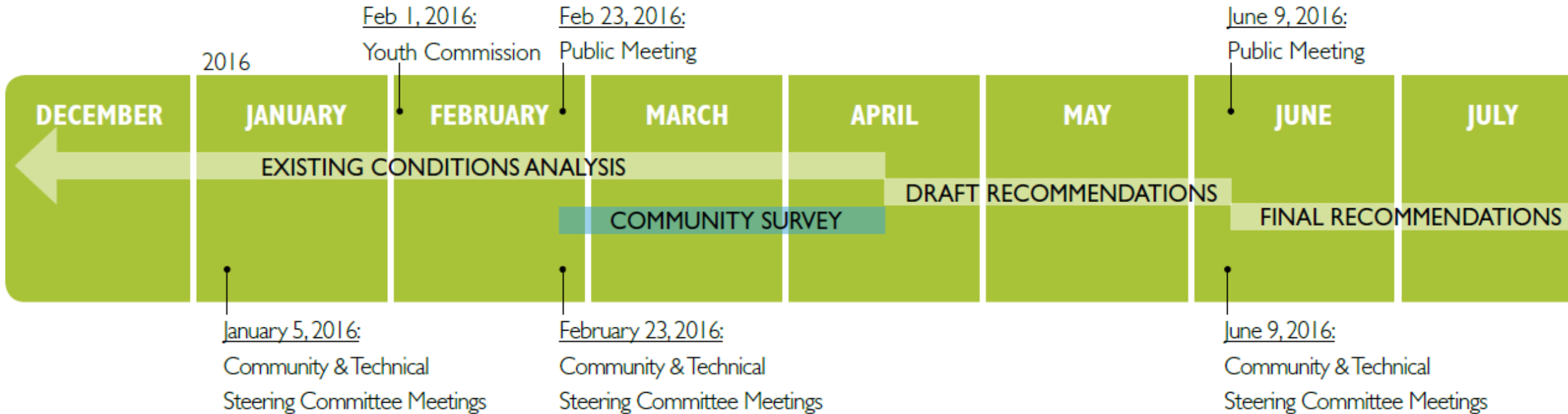
## BUS STOPS

- HRT Bus Stop
- HRT Bus Stop in highest 25% of city-wide ridership (on Strategic Corridors only)

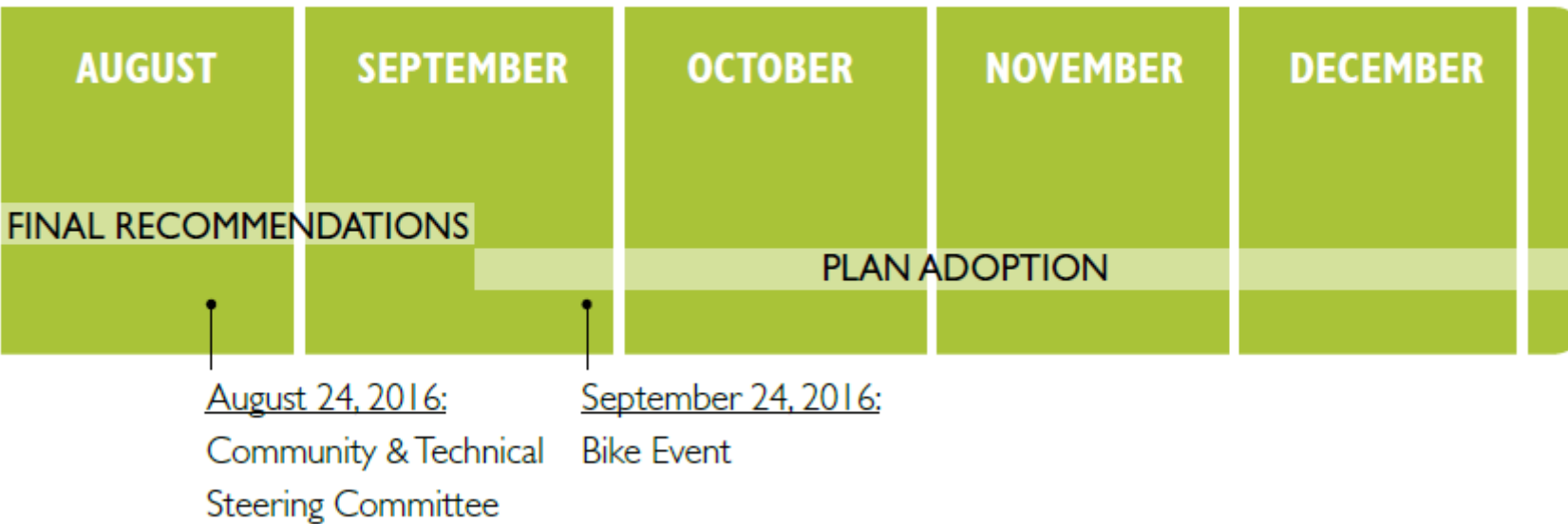


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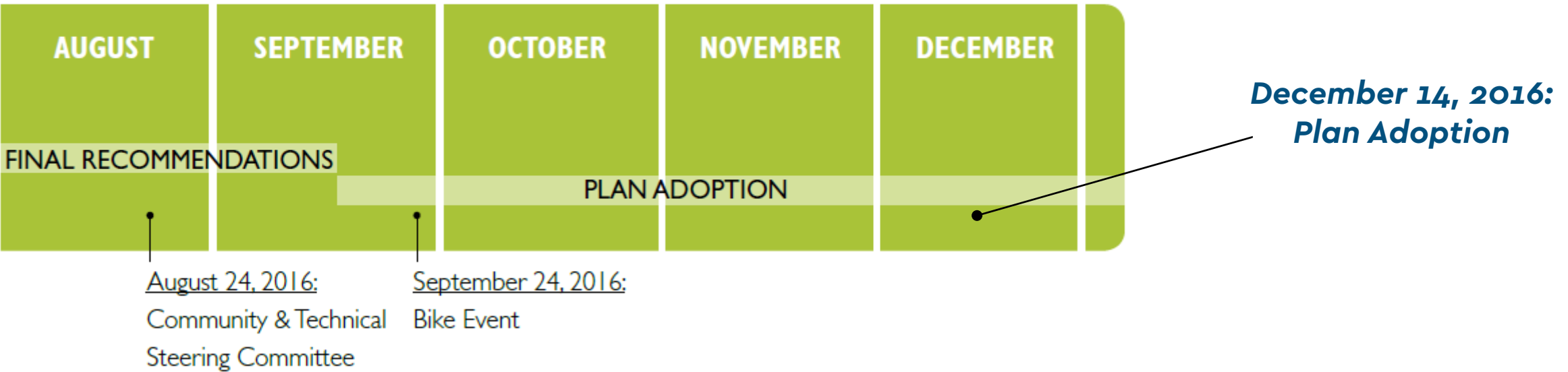
# COMMUNITY ENGAGEMENT



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August 24, 2016:  
Community & Technical  
Steering Committee

September 24, 2016:  
Bike Event





# POLICY RECOMENDATIONS

Establish Bicycle & Pedestrian Advisory Committee

Review Existing Ordinances

Inventory Residual Right-of-Way for Connections

Develop Partnerships with Community Institutions

Evaluate Existing Bicycle Routes

Achieve Bicycle Friendly Community Status

Ensure Compatibility with Regional Plans

Inventory Existing Pedestrian Facilities

Support Bicycle & Pedestrian Related Legislation

Connect to Neighboring Localities

Formalize Existing Bicycle Lanes

Adopt Complete Streets Policy



# PROGRAM RECOMENDATIONS

Develop Public  
Safety & Awareness  
Campaign

Implement Bike  
Share Program

Provide Bicycle &  
Pedestrian Amenities

Develop Signature  
Path/Trail





# TOOLKIT

## of user types and facilities



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CPA 16-00002

# BICYCLE USER TYPES



(Source: City of Chicago)

**STRONG & FEARLESS  
(EXPERIENCED)**



(Source: San Francisco Examiner)

**ENTHUSED & CONFIDENT  
(MODERATE)**



(Source: Steigerwaldt)

**INTERESTED BUT  
CONCERNED (BEGINNER)**



(Source: Rhodeside & Harwell)

**NO WAY, NO HOW!**



# ON-ROAD FACILITIES



SHARROW



BIKE LANE



BIKE LANE WITH PARKING



BUFFERED BIKE LANE



# OFF-ROAD FACILITIES



SHARED USE PATH



SIDEWALKS



# INTERSECTION TREATMENTS



ENHANCED MARKINGS



BIKE BOXES



BIKE SIGNALS



# INTERSECTION TREATMENTS



RAMPS



REFUGES



CROSSWALKS



BUMP OUTS



SIGNAL TIMING



ACCESSIBLE SIGNALS



SIGNAGE





# BUS STOP TREATMENTS



LANE MARKINGS



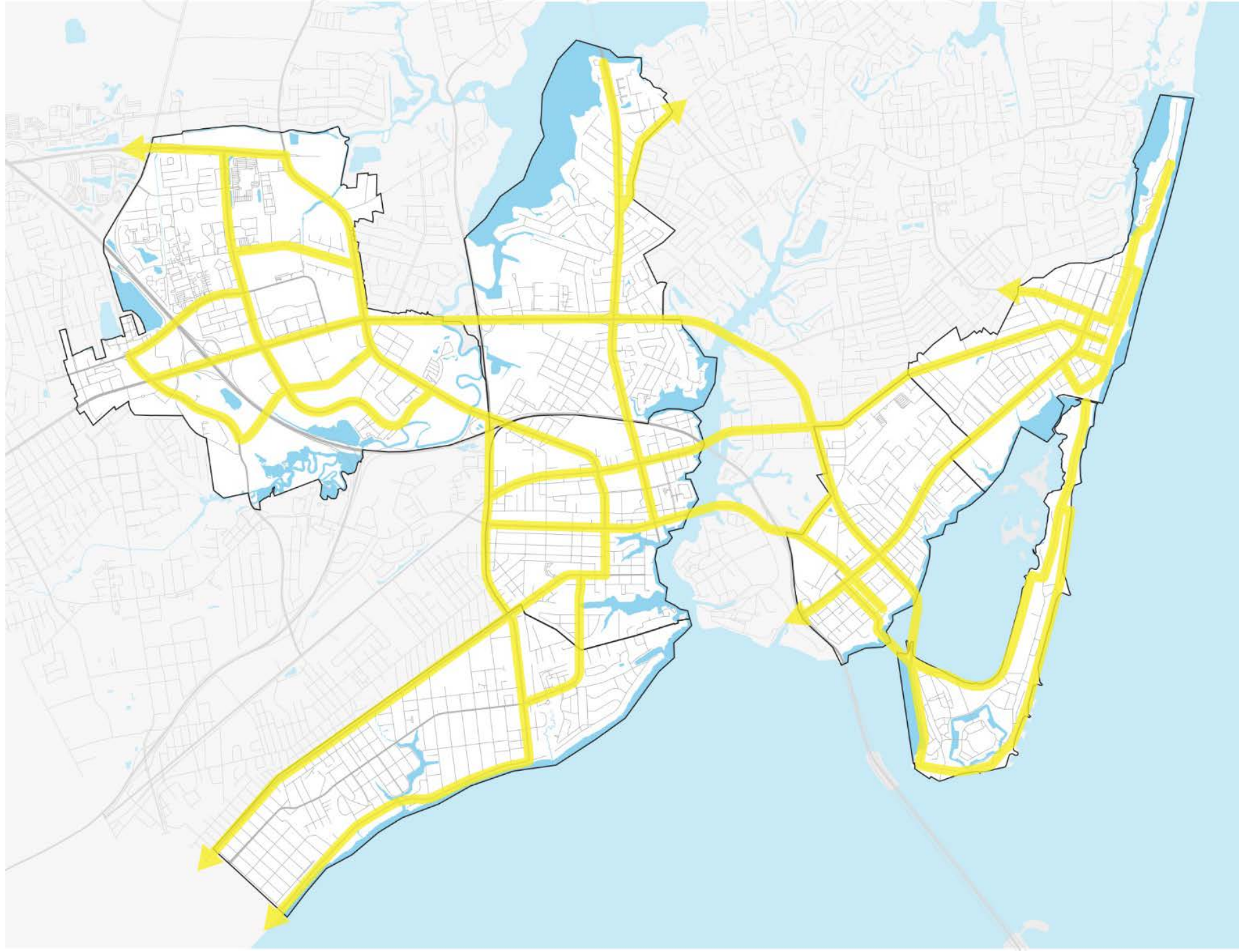
SEPARATE LANE





# PROJECT RECOMMENDATIONS

## STRATEGIC CORRIDORS





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# PROJECT RECOMMENDATIONS

## FACILITIES






### Existing Facilities:

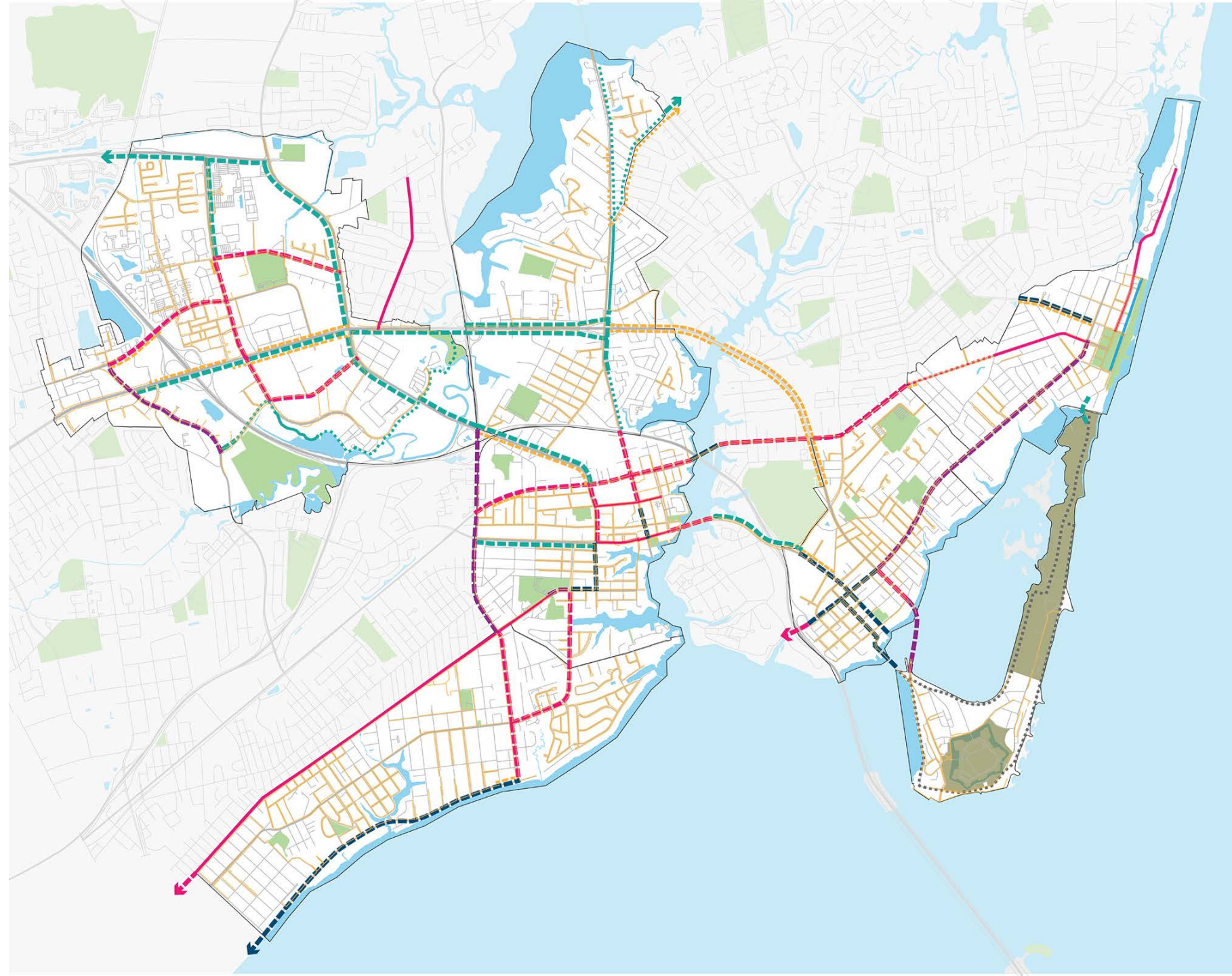
-  Bike Lanes
-  Two-way Cycle Track
-  Shared Use Path
-  Sidewalk

### Planned Facilities:

-  Bike Lanes
-  Shared Use Path
-  Sidewalk
-  Future Facilities per Fort Monroe Master Plan

### Recommended Facilities:

-  Sharrows
-  Bike Lanes
-  Buffered Bike Lanes
-  Shared Use Path
-  Sidewalk



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# PROJECT RECOMENDATIONS

CORRIDOR	MASTER PLAN	SEGMENT	RECOMMENDATION	FACILITY TYPE	USER ADDRESSED
<b>ARMISTEAD AVENUE</b>					
	Downtown	<i>Victoria Blvd. to Settlers Landing Rd.</i>	<ul style="list-style-type: none"> <li>Add shared lane markings</li> </ul>	Sharrows	Bicyclist
	Downtown	<i>Settlers Landing Rd. to Pembroke Ave.</i>	<ul style="list-style-type: none"> <li>Reduce number of vehicular lanes to two travel lanes; add bike lanes; add parking lanes (per Downtown Master Plan)</li> </ul>	Bike Lanes	Bicyclist
	Downtown	<i>Pembroke Ave. to Lasalle Ave.</i>	<ul style="list-style-type: none"> <li>Add shared use path on E/N side</li> </ul>	Shared Use Path	Bicyclist/ Pedestrian
			<ul style="list-style-type: none"> <li>Add sidewalk on S/W side</li> </ul>	Sidewalk	Pedestrian
	Coliseum Central	<i>Lasalle Ave. to Freeman Dr./Mercer Ave.</i>	<ul style="list-style-type: none"> <li>Add shared use path on N side</li> </ul>	Shared Use Path	Bicyclist/ Pedestrian
	Coliseum Central	<i>Freeman Dr./Mercer Ave. to Convention Center Blvd.</i>	<ul style="list-style-type: none"> <li>Add shared use path on S side</li> </ul>	Shared Use Path	Bicyclist/ Pedestrian
	Coliseum Central	<i>Convention Center Dr. to Mercury</i>	<ul style="list-style-type: none"> <li>Add shared use path on S/W side</li> </ul>	Shared Use Path	Bicyclist/ Pedestrian
	Coliseum Central	<i>Mercury Blvd. to Marcella Rd.</i>	<ul style="list-style-type: none"> <li>Add shared use path on W side</li> </ul>	Shared Use Path	Bicyclist/ Pedestrian
	Coliseum Central	<i>Marcella Rd. to Tide Mill Ln.</i>	<ul style="list-style-type: none"> <li>Add shared use path on S/ W side (requires further study)</li> </ul>	Shared Use Path	Bicyclist
Coliseum Central	<i>Tide Mill Ln. to Hampton Road Center Pkwy.</i>	<ul style="list-style-type: none"> <li>Add shared use path on S/ W side</li> </ul>	Shared Use Path	Bicyclist/ Pedestrian	
<b>BUCKROE AVENUE</b>					
	Buckroe	<i>Old Buckroe Rd. to Mallory St.</i>	<ul style="list-style-type: none"> <li>Add sidewalk on S side</li> </ul>	Sidewalk	Pedestrian
			<ul style="list-style-type: none"> <li>Add shared lane markings; formalize on street parking</li> </ul>	Sharrows	Bicyclist
<b>COUNTY STREET</b>					
	Phoebus	<i>Woodland Rd. to Mallory St.</i>	<ul style="list-style-type: none"> <li>Add sidewalk on N side where missing</li> </ul>	Sidewalk	Pedestrian
			<ul style="list-style-type: none"> <li>Add shared lane markings</li> </ul>	Sharrows	Bicyclist
	Phoebus	<i>Mallory St. to Willard Ave.</i>	<ul style="list-style-type: none"> <li>Add shared lane markings</li> </ul>	Sharrows	Bicyclist
<b>CHESAPEAKE AVENUE</b>					



# PROJECT RECOMMENDATIONS

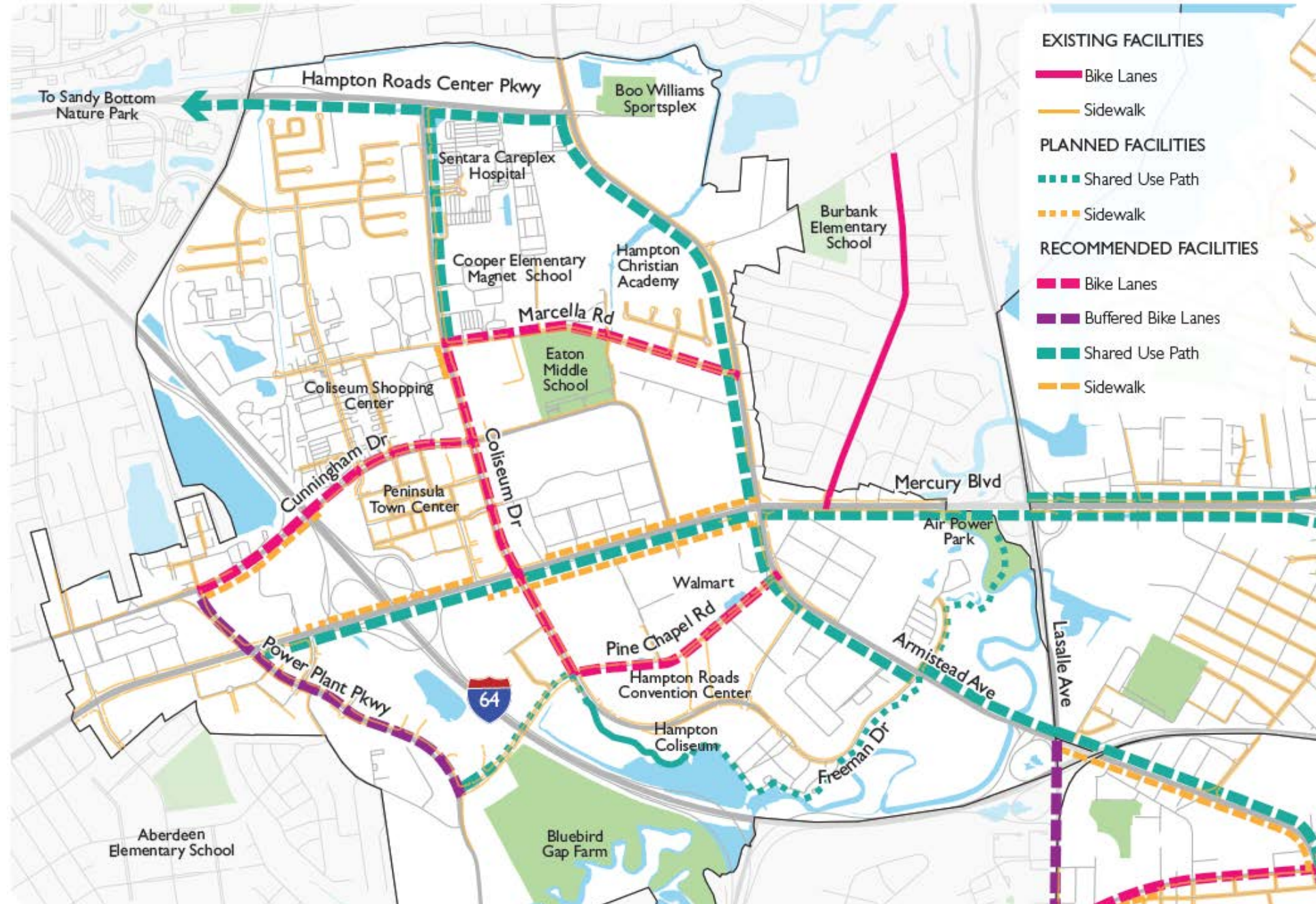
## FACILITIES COLISEUM CENTRAL

### Opportunities:

- Connections to Central Park Shared Use Path
- Policies supporting mixed-use & walkability

### Challenges:

- High volume roadways
- Highway interchanges



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# PROJECT RECOMMENDATIONS

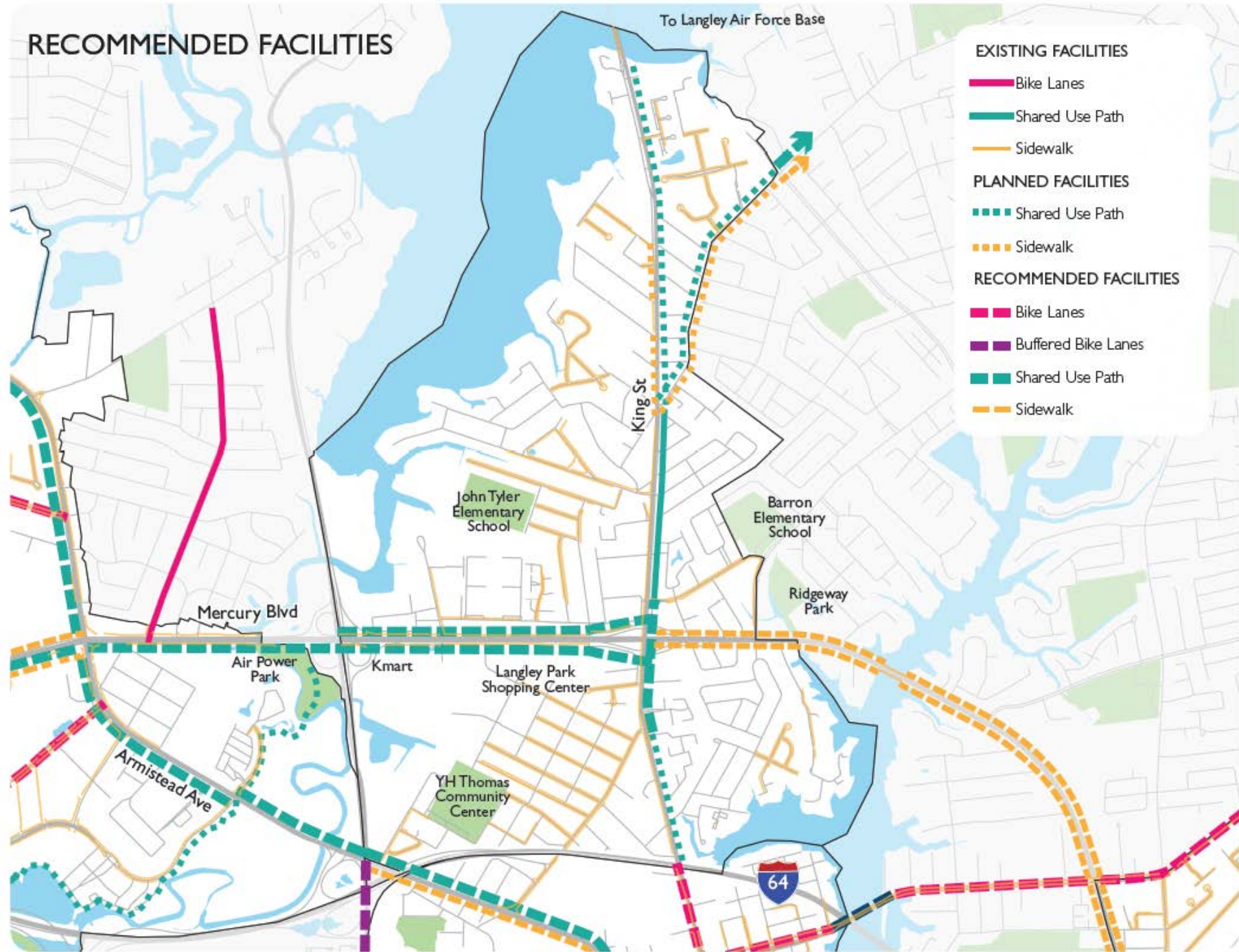
## FACILITIES N KING ST CORRIDOR

### Opportunities:

- Extension of Shared Use Path
- Connection to several neighborhoods
- Enhance gateway to Langley AFB

### Challenges:

- Challenging road configuration at Mercury Blvd & King St
- High volume roadways



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# PROJECT RECOMMENDATIONS

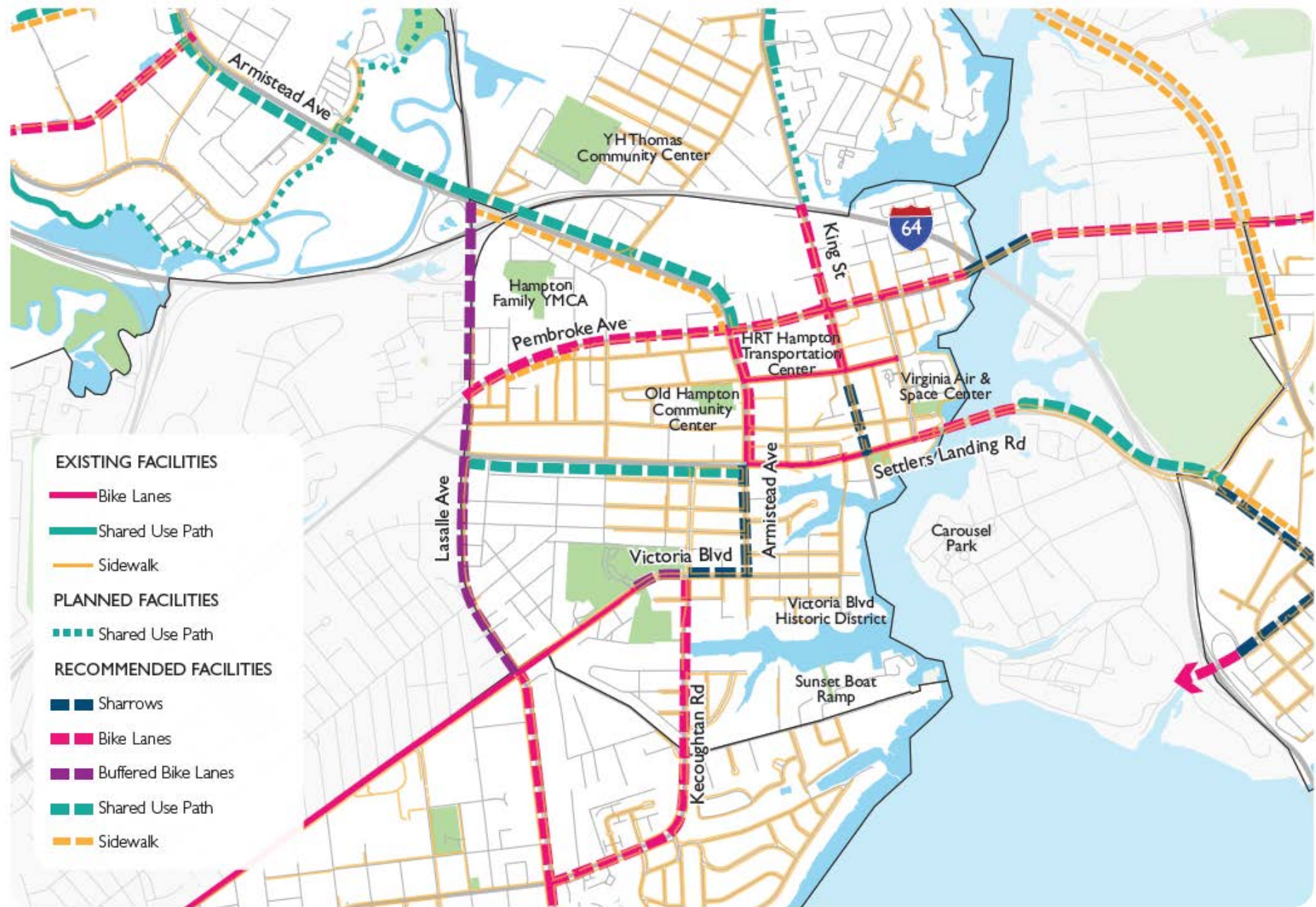
## FACILITIES DOWNTOWN

### Opportunities:

- Mix of uses (destinations, residences, employment)
- Low speed streets with clear grid pattern

### Challenges:

- Traffic volumes vary with peak hours
- Constrained bridges





# PROJECT RECOMMENDATIONS

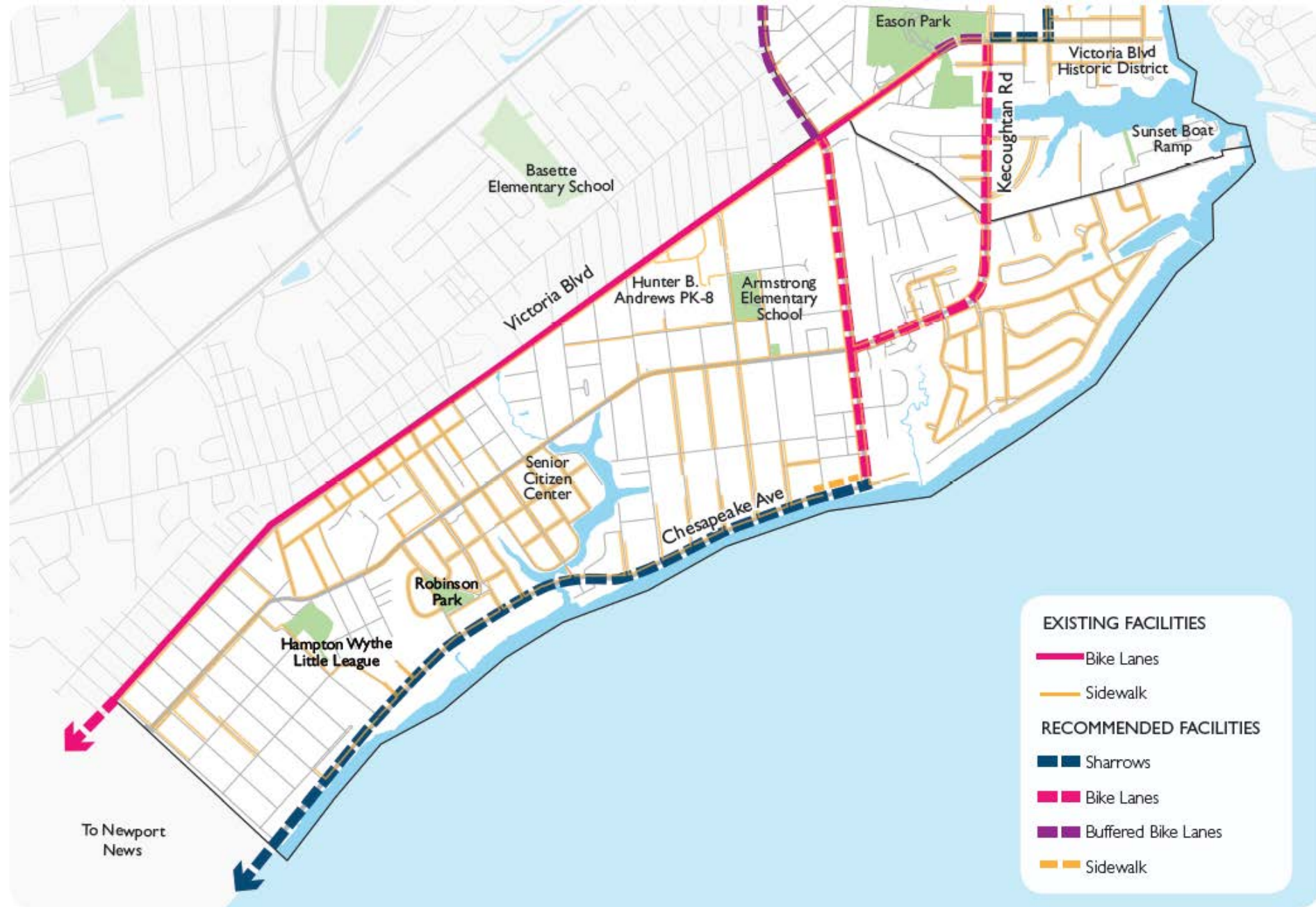
## FACILITIES KECOUGHTAN RD CORRIDOR

### Opportunities:

- Connection to Newport News
- Low speed streets with clear grid pattern

### Challenges:

- Limited right-of-way to add facilities





# PROJECT RECOMMENDATIONS

## FACILITIES PHOEBUS & FT. MONROE

### Opportunities:

- Connections to Fort Monroe & Buckroe Beach
- Connection to HU & VA Medical Center
- Mix of uses (residential, employment)

### Challenges:

- Constrained bridges
- Highway exit ramps



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# PROJECT RECOMMENDATIONS

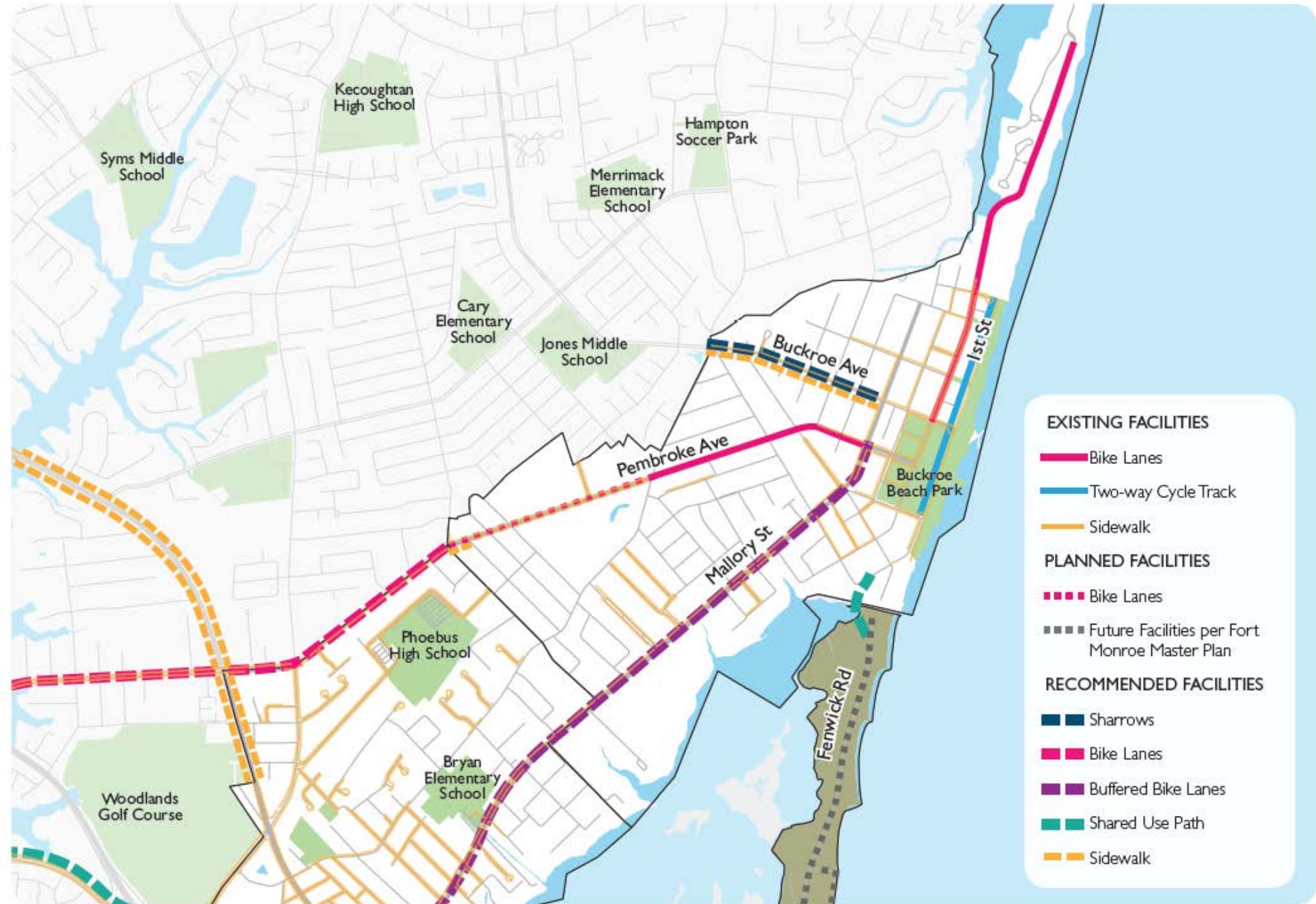
## FACILITIES *BUCKROE*

### Opportunities:

- Connection to Fort Monroe
- Destinations – Beach & Park
- New development

### Challenges:

- No opportunity for overland Fort Monroe route



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# PRIORITIZATION

Included in Master Plan

City Controls Adequate Land

Public Input

Connects to Existing Facility

Cost

Crash/Safety

On transit corridor

Connects to school

Successful as a stand-alone project





# IMPLEMENTATION

Operating Budget

Capital Budget

CMAQ

Surface Transportation  
Block Grant

Smart Scale



# NEXT STEPS & MOVING FORWARD

- Implementation of Program, Policy & Project Recommendations
- Expansion of Bicycle & Pedestrian Plan recommendations to other areas of City
- Explore connections to Capital Trail
- Continue outreach & events to grow bicycle & pedestrian friendly culture



# RECOMMENDATION



STAFF: Recommend **APPROVAL** of CPA 16-00002

PLANNING COMMISSION:  
Recommend **APPROVAL** of CPA 16-00002