CITY OF KEY WEST

ENGINEERING SERVICES DEPARTMENT

January 2024

Meet our Team

Director of Engineering
Gary Volenec, PE

City Engineer
Ian McDowell, PE

Sr. Construction Manager
Eric Augst

Sr. Project Manager
Glynn Meienburg

Project Manager
Keith Bring

Special Projects Designer
Jennifer Perez

Multi-Modal Transportation Coordinator
Ryan Stachurski

Administrative Assistant
Barbara Erlich

What We Do

- **Capital Improvement Projects**
- **Roadway Improvements**
  - **Right-of-Way Improvement Program Invitation to Bid**
- **Traffic Signal and Street Light Management**
- **“Technical Consultant” to Other City Departments**
- **Right-of-Way Permits**

What We Do (cont.)

- **Navy “In-Kind” Project Coordination**
- **Committees/Boards/ Meetings:**
  - Development Review Committee
  - Sustainability Advisory Board
  - Bahama Village Redevelopment Advisory Committee
  - Parks & Recreation Board
  - Transportation Alternatives Team
  - Tree Commission
  - Commissioners’ District Meetings
- **Citizen Issues/Concerns**

Frederick Douglass Community Center

Completion January 2025

John Jones Navigation Center

Start Construction April 2024

Clinton Square Renovation

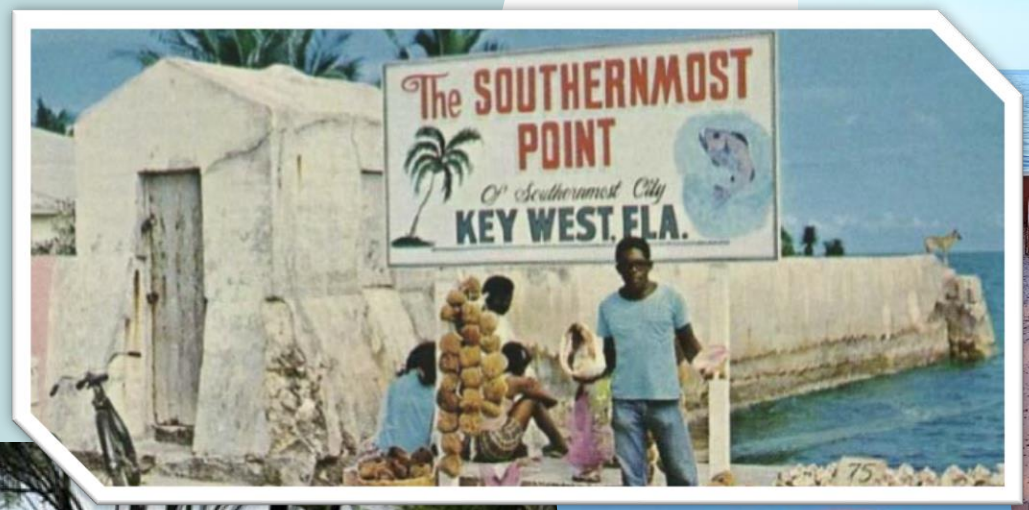
Start Construction March 2024

Southernmost Point Plaza

Design Development
January 2024

TDC Grant Application
April 2024

Target Construction
January 2025



Coffee Butler Amphitheater

Enhanced Facilities/Back of Stage/Restrooms

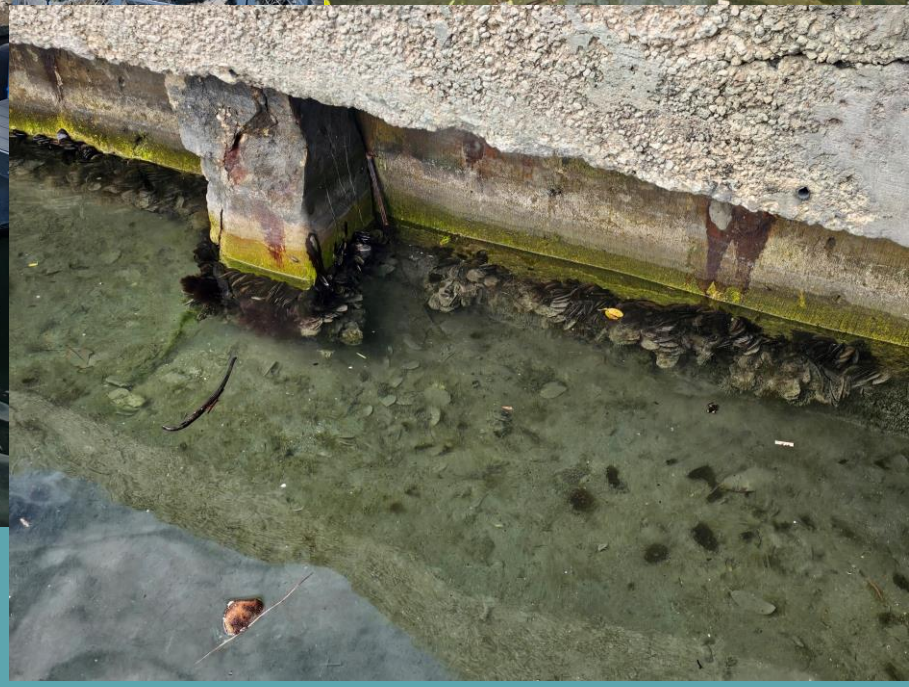
Conceptual Design – January 2024

Beach Nourishment and Monitoring

Smathers Beach
Simonton Beach
Dog Beach
Rest Beach
South Beach

In addition to hurricane damage, ongoing erosion necessitates consistent evaluation for nourishment.

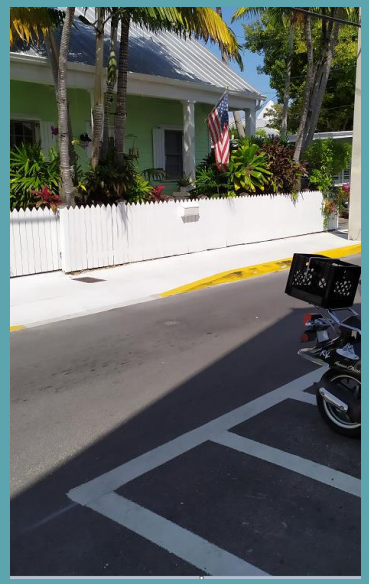
Southernmost Point Seawall



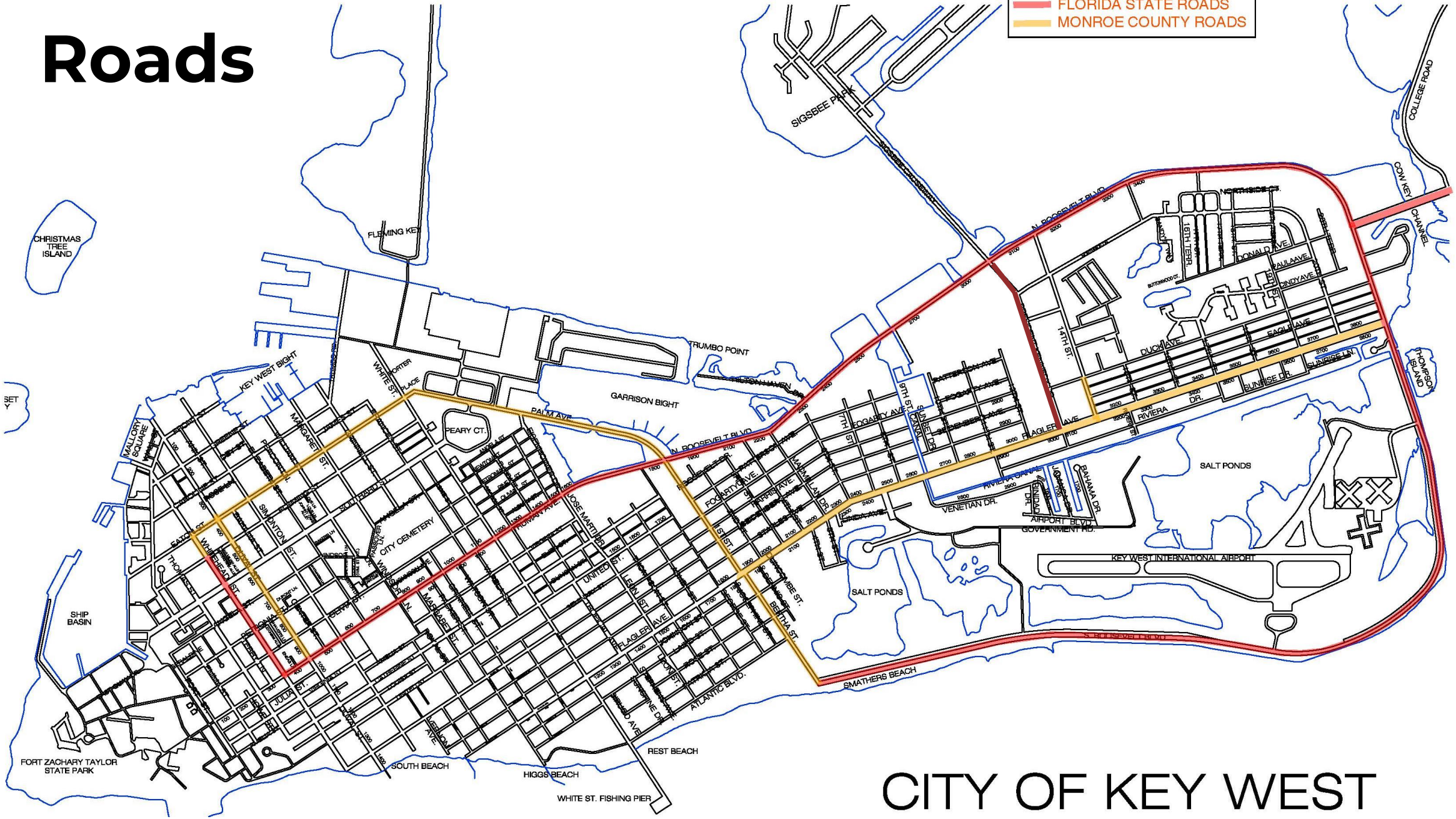
Spencer’s Boatyard

Marine Piers & Seawalls

Right of Way Improvements



Roads



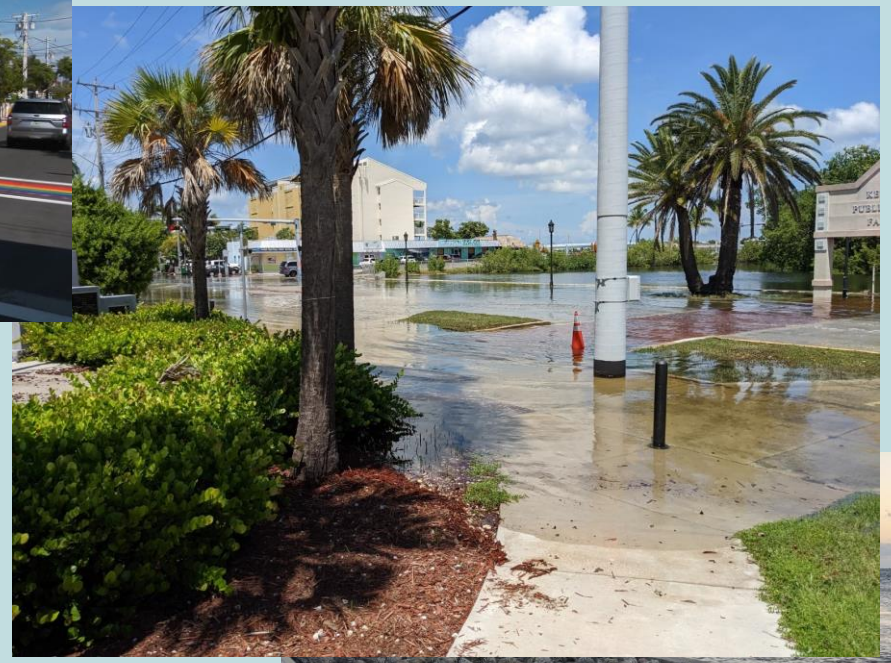
CITY OF KEY WEST

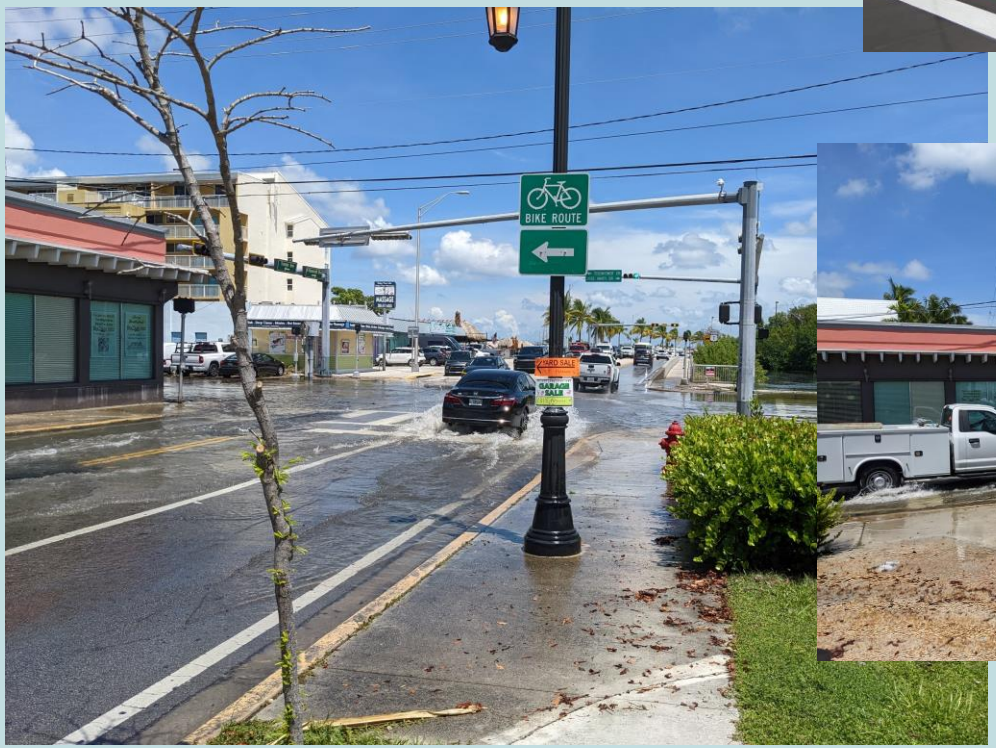
Road Improvements

P.C.I. – Pavement Condition Index


RMT
ROADS
IAN MCDOWELL
ADDRESS SEARCH
ROAD FILTERS
HYBRID VIEW
RMT Knowledge Center
Havana Cabana Key West
Hogfish Bar & Grill
DoubleTree Resort by Hilton Hotel Gra...
US Coast Guard Sector Key West
Sunset Celebration at Mallory Square
Truman Little White House
Smathers Beach
Google
Keyboard shortcuts
MAP DATA ©2024 IMAGERY ©2024 AIRBUS, CNES / AIRBUS, MAXAR TECHNOLOGIES, U.S. GEOLOGICAL SURVEY
TERMS
REPORT A MAP ERROR

Duval Duval Street Economic Corridor Resiliency & Revitalization Plan





Climate Vulnerability Assessment and Adaptation Plan

Sea Level Rise

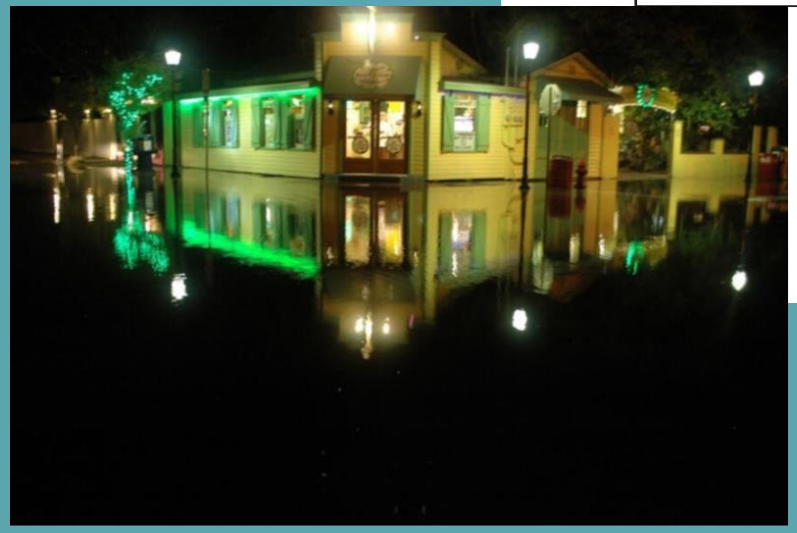
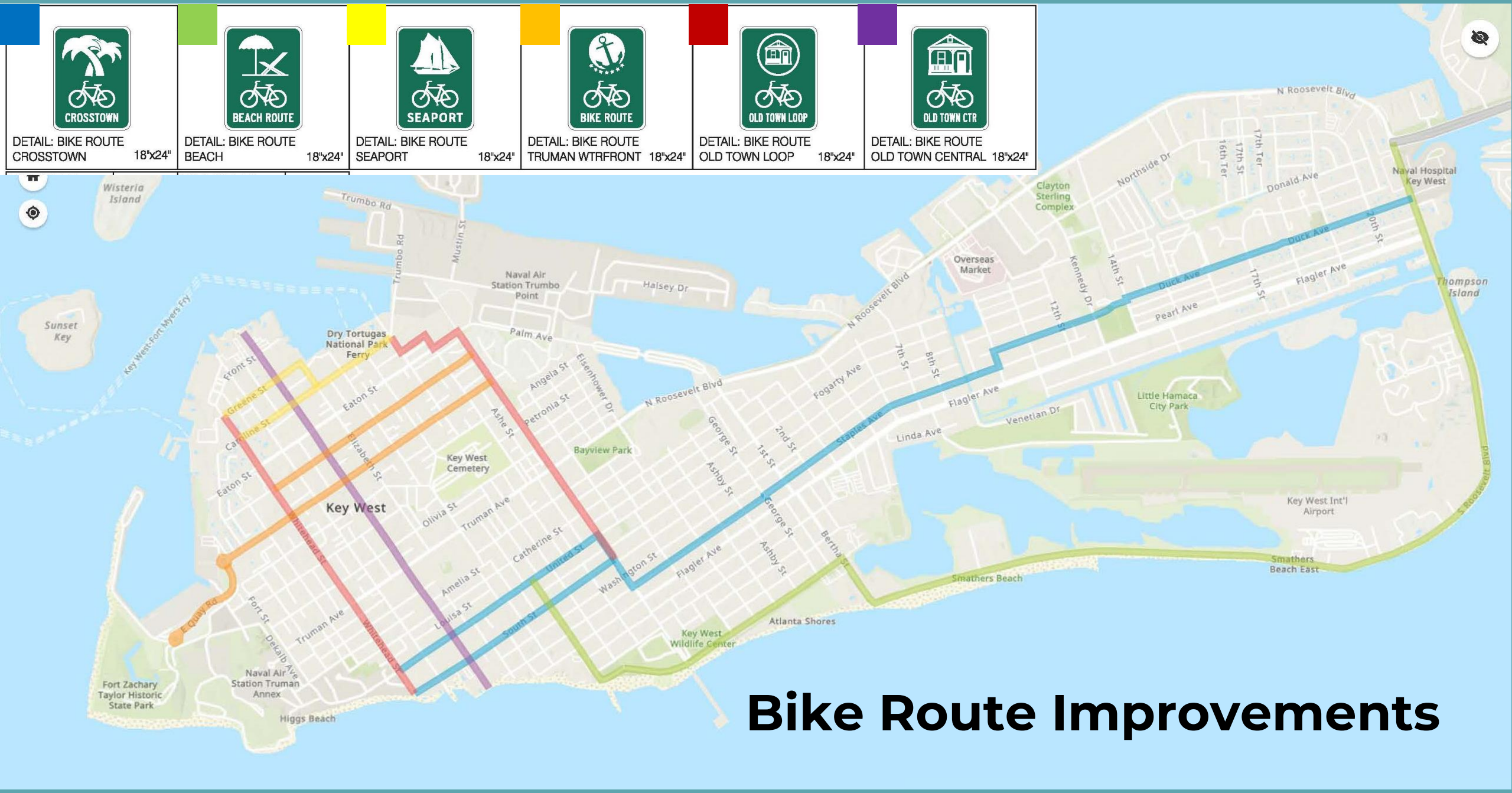


Table ES-1. Recommended Infrastructure Design Criteria for Key West

Asset Type	State Regulation	Current Ordinance/Policy	Design Elevation Equations (may be adjusted for future projects)	Recommended Minimum Design Elevations (NAVD88)*
Reference High Water Event (for comparison)	MHHW (average annual daily high tide) based on current 19-year epoch			**0.26 ft**
	Seasonal High Water (average of Sept.-Oct. high water) based on recent 10-year record			**1.0 ft**
	Hurricane Wilma storm surge (2005)			**3.2 ft**
Stormwater Boundary Cond.	n/a	MHHW boundary condition 0.05 ft NAVD	Seasonal High Water (1.0 ft) + 30-yr SLR (int. high) 1.7 ft	Future Tidal Boundary Condition = **2.7 ft**
Roads	n/a	none	Seasonal High Water (1.0 ft) + 20 yr SLR (int-high) (1.2 ft) + 1.0 ft road thickness	**3.2 ft** (edge of pavement) (Road hardening is anticipated on all City roads)
Tidal barriers	n/a	none	Seasonal High Water (1.0 ft) + 50 yr SLR (int-high) 3.0 ft + 1.0 ft freeboard	**5.0 ft** (top of wall elev.)
Pump Stations (sanitary & storm)	BFE +1 ft for non-critical equipment (2-ft for V-zones & critical facilities)	Adoption of State Regulations	BFE + 2.0 ft for all critical facilities and equipment sensitive to flooding (addition of SLR optional)	**Elev. = BFE + 2.0 ft** (Varies by location)
Wastewater treatment				

Resiliency, Vulnerability Assessment



Bike Route Improvements

In Summary...

The Engineering Services Department provides planning and design services, as well as engineering and construction management for the City’s Construction Projects. These projects include buildings, parks, beaches, roads and sidewalks. The Department is also tasked with the responsibility for right-of-way permitting functions, which help to improve the cleanliness and beauty of the City's rights-of-way.

Questions?

Engineering
Services
Department

Gary Volenec – gary.volenec@cityofkeywest-fl.gov (305) 809-3828