

Southeast Volusia Coastal Projects Update

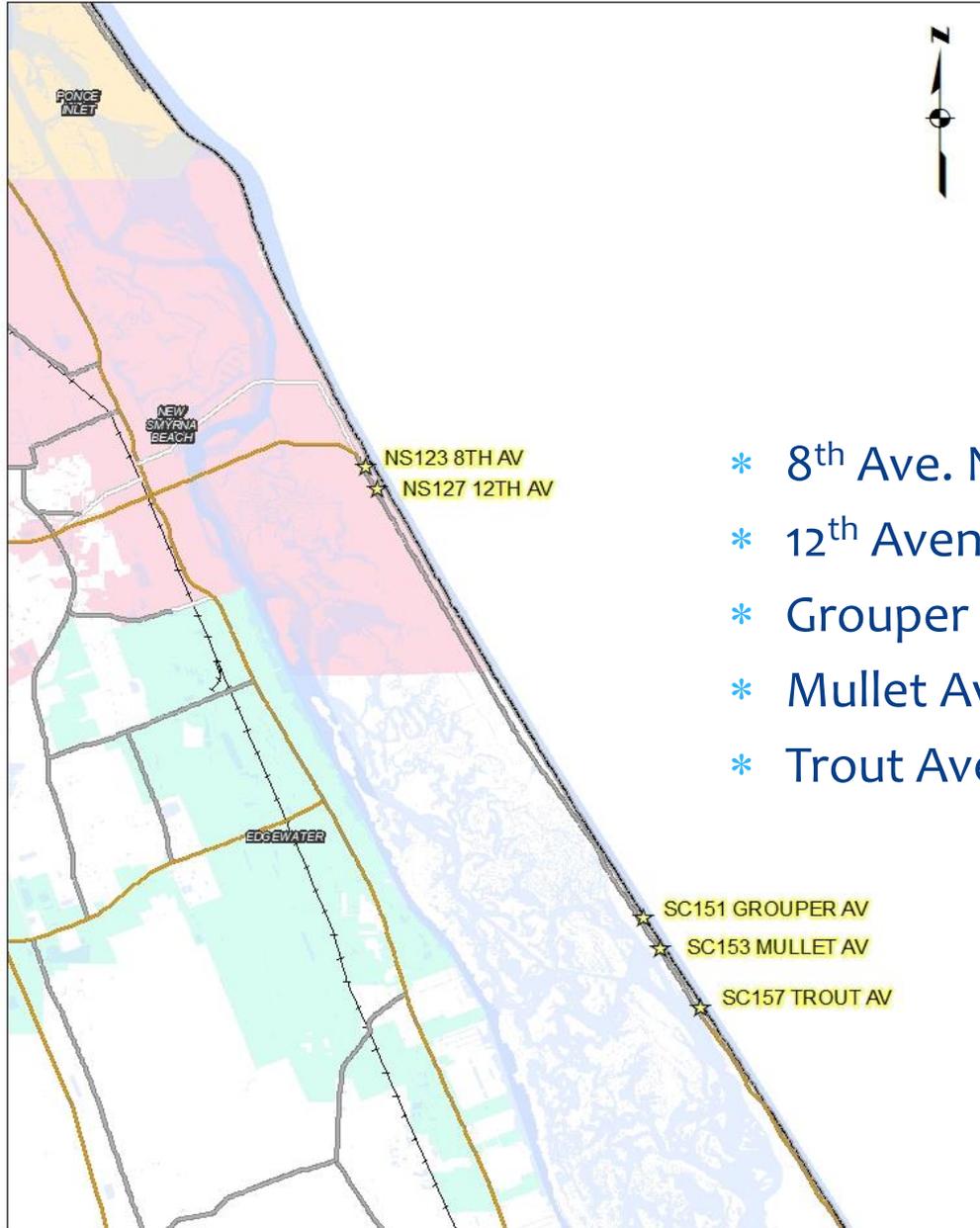
Public Works Department
Coastal Division

August 15, 2016



2016 Dune Walkover Re-Decking Program

Completed Dune Walkovers South End



- * 8th Ave. New Smyrna Beach*
- * 12th Avenue, New Smyrna Beach
- * Grouper Avenue, New Smyrna Beach
- * Mullet Avenue, New Smyrna Beach
- * Trout Avenue, New Smyrna Beach



2016 Dune Walkover Re-Decking Program

NS-123 8th Avenue, New Smyrna Beach



June 2016

- Material: \$ 7,500
- Labor: \$ 18,719
- Total: \$ 26,219
- Length: 147ft
- Removed & Replaced
 - Support posts
 - Handrails
 - Decking
 - Stairs
 - Hardware
- Installation of composite top cap
- Walkover is ADA compliant
- *Labor Performed By Contractor

NS-127 12th Avenue, New Smyrna Beach



March & April 2016

- Material: \$ 2,700
- Length: 37 ft
- Removed & Replaced:
 - Decking
 - Handrails
 - Stairs
 - Hardware
- Installation of 2" x 8" composite top cap

SC-151 Grouper Ave, New Smyrna Beach



May 2016

- Material: \$ 1,500
- Length: 42 ft
- Removed & Replaced
 - Handrail
 - Decking
 - Hardware
- Installation of composite top cap

SC-153 Mullet Ave, New Smyrna Beach



May 2016

- Material: \$ 2,400
- Length: 48 ft
- Removed & Replaced
 - Handrail
 - Decking
 - Hardware
- Installation of composite top cap

SC-157 Trout Ave, New Smyrna Beach



May 2016

- Material: \$ 3,200
- Length: 71 ft
- Removed & Replaced
 - Handrail
 - Decking
 - Hardware
- Installation of composite top cap

Inlet Channel Shoal Markers

Ponce de Leon Inlet

Markers relocated May 2016



Smyrna Dunes Park Fishing Pier

Fishing Pier Smyrna Dunes Park

New Smyrna Beach

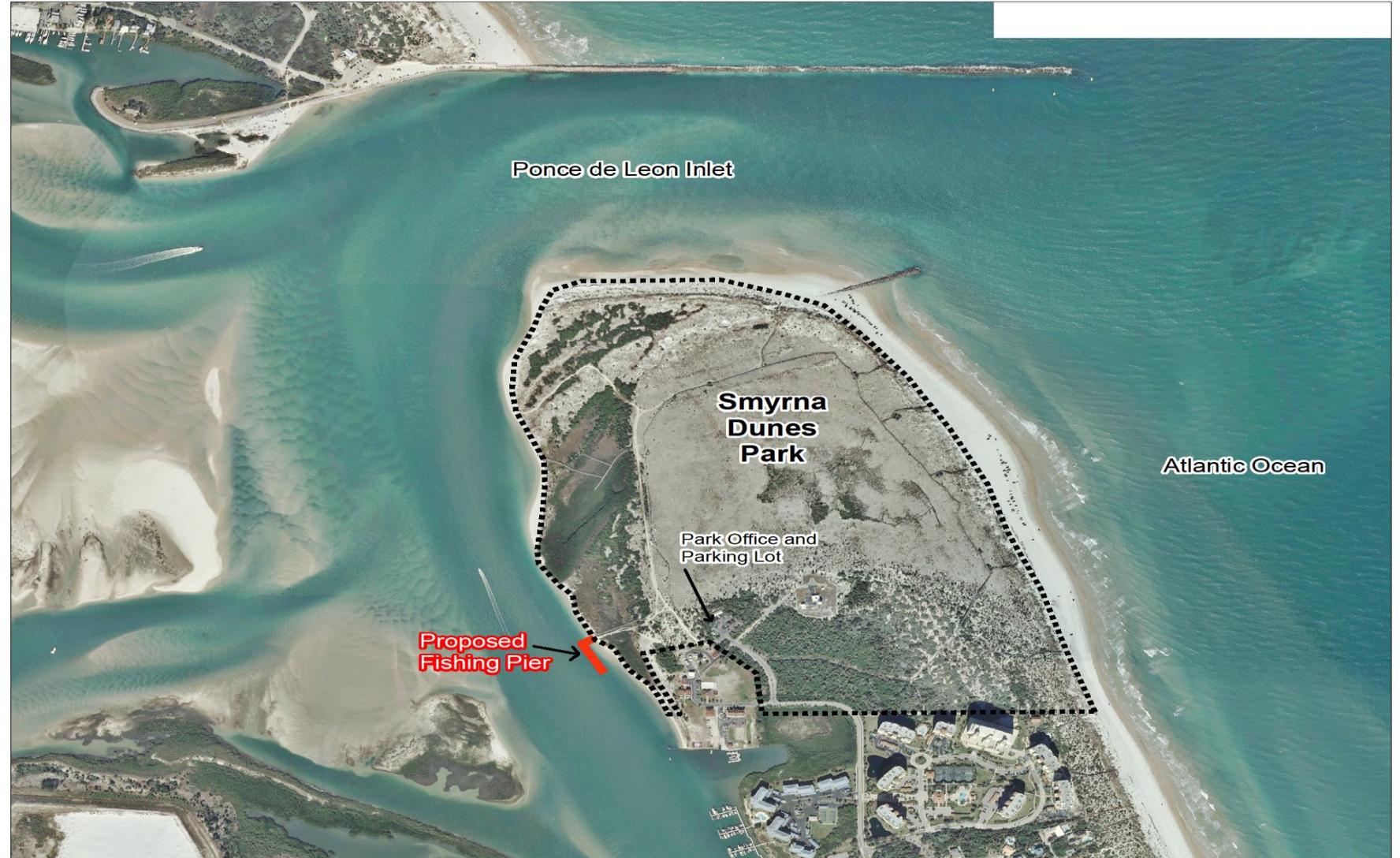


Key to Features

-  Fishing Pier
-  Park Boundary



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Smyrna Dunes Park Fishing Pier

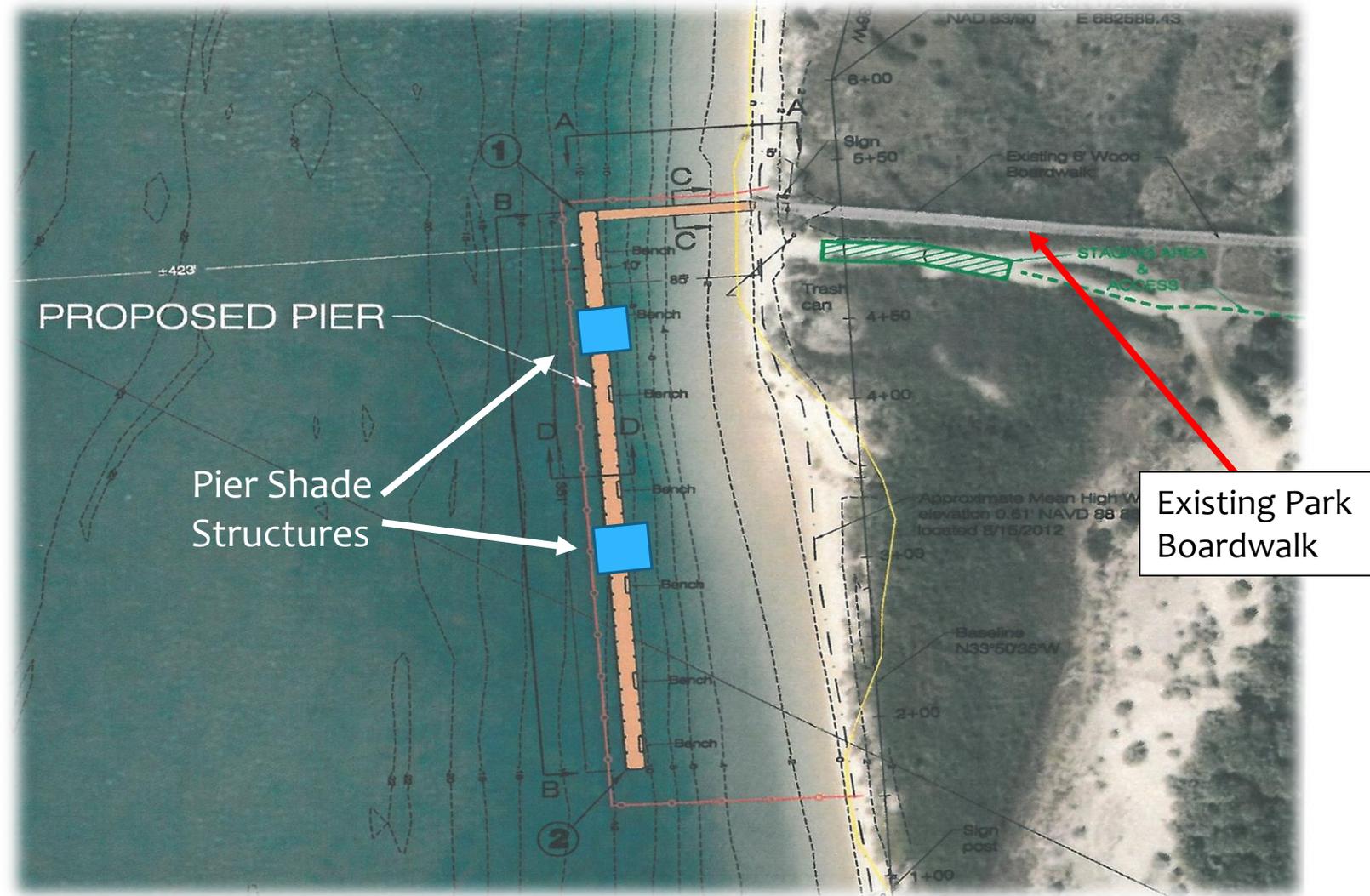
Wilbur Boat House Fishing Pier



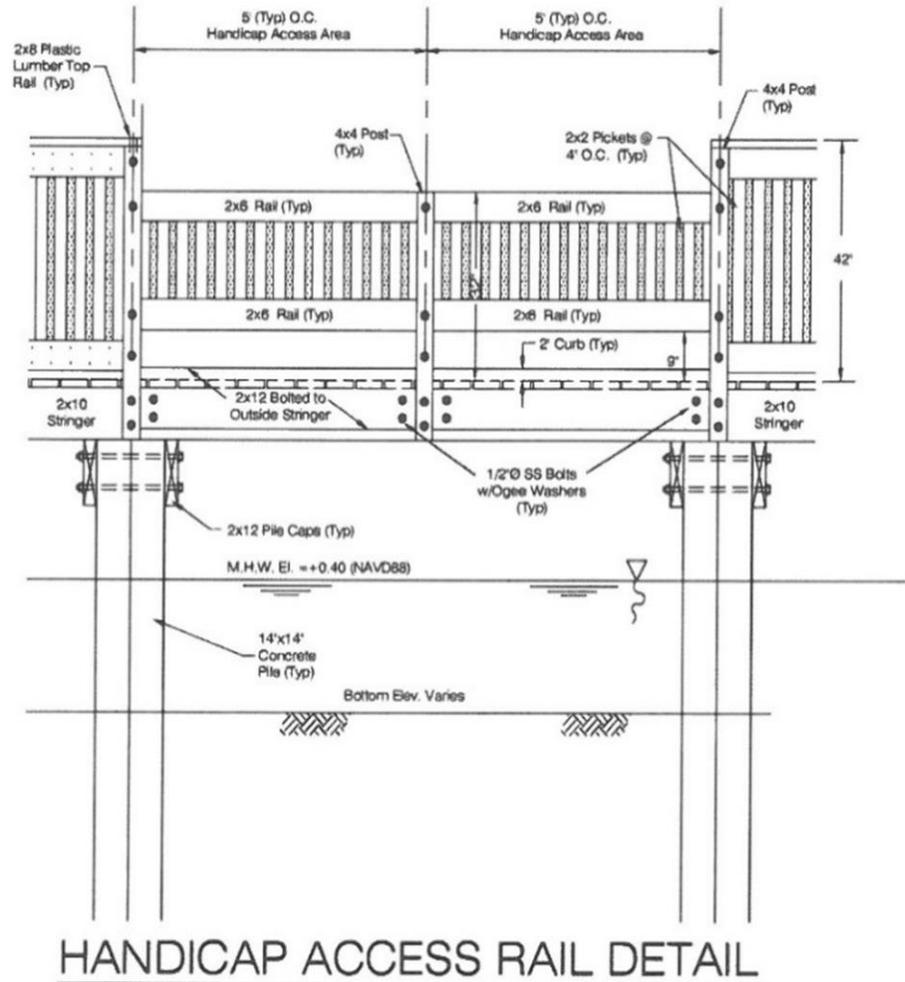
Project Elements

- ADA accessible
- Multiple benches
- 350' long and 10' wide
- Concrete piling supports
- Composite (recycled plastic) decking and handrail
- Two (2) Shade Structures with Benches
- Fishing Depth-approximately 15ft.

Smyrna Dunes Park Fishing Pier



Smyrna Dunes Park Fishing Pier



0 2
Scale in feet

Project Timeline

Funding authorization – April 2016

Eng./design & permitting – April 2016

Construction NTP – September 2016

Project completion – March 2017

Project Funding

Inlet & Port District

Florida Boating Improvement

Florida Inland Navigation District (FIND)

Smyrna Dunes Park



Boardwalk Improvements

- Boardwalk renovation / widening
- Composite (recycled plastic) decking and handrail
- ADA accessibility
 - Boardwalk
 - fishing pier
 - ocean beaches
- Pedestrian access maintained during construction

Smyrna Dunes Park

Federal & State Interagency Coordination

Federal Agencies

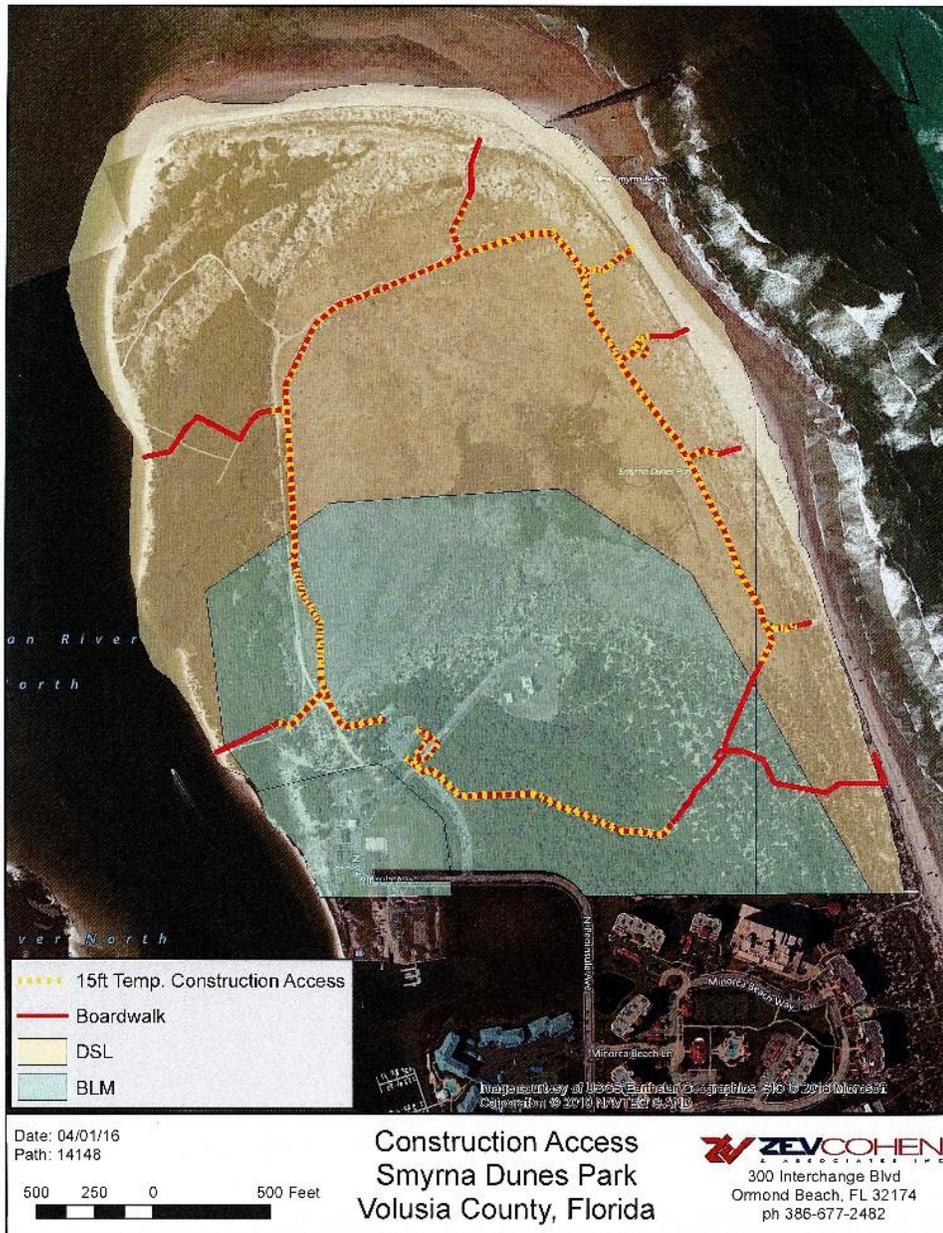
Bureau of Land Management
U.S. Fish & Wildlife Service
U.S. Army Corps of Engineers
U.S. Coast Guard

State Agencies

Department of Environmental Protection
Division of State Lands

Timeline

Interagency kickoff meeting – April 11, 2016
DRAFT biological assessment – May 2016
Section 7 consultation complete – August 2016



Smyrna Dunes Park



Legend:
MHNL
CCOL
Wetlands
SESM Habitat

ZEVO COHEN
Environmental Consultants
Smyrna Dunes Park
Environmental Exhibit
Top Down Construction Sequence
Aerial Exhibit

SE AUDUBON
PUNTA ISABELA
Smyrna Dunes Park
Environmental Exhibit
Top Down Construction Sequence
Aerial Exhibit

Environmentally Sensitive Habitat

Southeastern Beach Mouse protection

- Top-down construction in sensitive areas
- Advance burrow surveys during construction
- Exclusion fencing around construction areas
- Daytime only operations
- No vehicles in sensitive habitat areas

Sea Turtle protection

- Daytime only construction operations
- No on-beach construction during nesting season

Gopher Tortoise protection

- Exclusion fencing around construction areas
- Advance burrow surveys during construction
- Relocation of animals only if unavoidable

Smyrna Dunes Park



Project timeline - Boardwalk Improvements

Conceptual site planning initiated – Dec 2015

DEP & USACE – ERP application – April 2016

CCCL permit application submitted – May 2016

Solicit Design / Build team – August 2016

Construction NTP – Jan. 2017

Project completion – August 2018

Total Estimated Cost: \$5,400,000

ECHO and Inlet & Port District Funded

Hiles Blvd. Off-beach Parking



CONCEPTUAL SITE PLAN

SCALE: 1" = 30'



PROPOSED RESTROOM BUILDING
NORTH ELEVATION

SCALE: 1/4" = 1'-0"



PROPOSED RESTROOM BUILDING
EAST ELEVATION

SCALE: 1/4" = 1'-0"

Project Notes:

Acquired: December 2014

Features: Restroom, shower, bike rack, perimeter landscaping, four (4) additional handicapped parking spaces, approx. 75 space overflow lot, W and N boundary fencing

Funding:

ECHO

Beach Capital

Const. Schedule: Bid - Winter 2016-17

Award – Spring/Summer 2017

Complete – Spring 2018

Status: Design 75% complete

Nearshore Artificial Reef System



Project Notes:

Four (4) reef deployments planned in August 2016

Coordinates: www.volusia.org/reefs



Derelict Vessel Removal



Sailboat at Marker 57 - Edgewater



Sponson Race Boat at Shotgun Creek – Oak Hill



**Abandoned Vessels along River Road
Oak Hill and North Causeway NSB**

Questions

