

# Mini-budget Workshop Coastal Projects

Public Works Department  
Coastal Division

July 16, 2015



# Mini-budget Workshop – Coastal Projects

## Coastal Infrastructure

- 99 dune walkovers
  - 9 beachfront parks
  - 2 inlet parks
  - 11 inlet park dune walkovers
  - 20 public restroom facilities (1 new restroom facility under way)
  - 19 off-beach parking lots (7 new lots to be developed)
  - 41 beach ramps (21 w/public parking 20 w/out)
  - 28 beach port-a-lets
  - 30 toll booths
  - 37 on-beach showers
- 439 beach garbage collections points
  - 1 boat ramp
  - 2 fishing piers (1 new pier to be developed)
  - 1 jetty deck
  - 1 beachfront boardwalk (TBD)

**Dispersed over 35 miles of coastline.**

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## Coastal Maintenance Program

- Deferred maintenance during economic downturn
- Aging infrastructure
- Harsh environmental conditions
- Vandalism
- Adding new assets

### FY 14/15

- Reorganized
- Funded four previously unfunded positions
- Began assessment of coastal infrastructure
- Developing annual maintenance plan
- Began repairs to safety and access issues
- Grant applications for major renovation projects

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## Walkover Rehabilitation Program

- 99 wooden dune walkovers
- Aging infrastructure
- Harsh environmental conditions
- Major storm events have driven walkover rebuilding/rehabilitation in the past



No storms in 10 yrs; many structures built at the same time are now failing at the same time.





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## Walkover Rehabilitation Program

99 wooden walkover structures

North: 57 structures totaling 5,745 linear feet

South: 43 structures totaling 6,460 linear feet

Approx half to be rebuilt; remaining to be rehabilitated

Total estimated program cost of \$1.5-\$2.0M

5-yr program proposed

20 structures a year @ \$300,000-\$400,000

Potential cost saving measures:

- Review walkover spacing
- Alternative design



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## Coastal Maintenance Program

Going forward -

FY 15/16

- Finalize assessment of coastal infrastructure
- Develop prioritized maintenance list
  - Public safety
  - Routine maintenance
  - Environmental protection
  - Public access
  - Aesthetics

Issues

- Budget

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## Coastal Capital Projects

### Revenue sources:

Beach capital	\$700,000/yr.
Inlet district	\$350,000/yr.
Grants	ECHO, FIND

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## Purpose

Improve and expand coastal public access.

Improve infrastructure appearance and function.

Environmental resource protection

## Priorities

Renovation of existing assets.

Expanding access at existing facilities.

New construction (parking & pedestrian facilities)

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## Projects

Restroom and beach ramp renovations

Beach Safety/Ocean Rescue infrastructure

Beach sign and way-finding improvements

Beach and inlet park renovations

Off-beach parking lot development

Waterway and boating access

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## Recent Projects

Toronita off-beach parking



Wilbur Boathouse pier





# Mini-budget Workshop – Coastal Projects

## Recent Projects



Riverview Boulevard  
restroom

Dahlia Avenue  
off-beach park



# Mini-budget Workshop – Coastal Projects

## Recent Projects



Lifeguard base towers



Beach & Coastal Dunlawton facility



Toll booths

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## Recent Projects

Signs and way-finding markers



Ramp gates





# Mini-budget Workshop – Coastal Projects

## FY15-16 Projects



CONCEPTUAL SITE PLAN

SCALE 1" = 10'



PROPOSED RESTROOM BUILDING  
NORTH ELEVATION

SCALE 1/4" = 1'-0"



PROPOSED RESTROOM BUILDING  
EAST ELEVATION

SCALE 1/4" = 1'-0"

 HAWKINS, HALL & OGBLE ARCHITECTS, INC. 300 N. W. 10th St., Suite 100 Fort Lauderdale, FL 33304-1000 TEL: (954) 561-1000 FAX: (954) 561-1001	
OFF-BEACH PARKING HILES BOULEVARD NEW SMYRNA BEACH, FLORIDA	
NO. 1	REVISION SUBMISSIONS (DATE)
BY: TITLE: CONCEPTUAL SITE PLAN / ELEVATIONS SCALE: 1/4" = 1'-0"	
DESIGN: JB	DATE: 08/11/15

### Project elements

Restrooms  
Landscaping  
Addtnl. parking  
Improved crosswalk  
Expanded h-cap parking

### Funding

Beach capital: \$241,990  
ECHO grant: \$302,925  
Total \$544,915

## Hiles Boulevard off-beach lot expansion and renovation

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## FY15-16 Projects



### Project elements

New entrance columns and signage

Two additional picnic pavilions

Pedestrian pass throughs

**Funding** \$150,000

**Sources** Beach Capital





# Mini-budget Workshop – Coastal Projects

## FY15-16 Projects



### Project elements

Boardwalk renovation / widening  
Entrance improvements  
Fishing pier  
Additional parking  
Sanitary sewer connection

### Funding

Phase I (15/16)	\$2,016,392
Phase II (16/17)	\$2,127,500
Total	\$4,143,892

### Sources

Inlet district  
FIND grant  
ECHO grant

## Smyrna Dunes Park renovations



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## FY15-16 Projects



Nearshore reef buoy system

# Mini-budget Workshop – Coastal Projects

## FY15-16 Projects





# Mini-budget Workshop – Coastal Projects

## Off-beach Parking Lot Development



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## Off-beach Parking Lot Development\*

1. Westin	97 spaces	\$1,358,000
2. 726 N. Atlantic	90 spaces	\$1,260,000
3. Argosy	56 spaces	\$ 784,000
4. Jasmin	83 spaces	\$1,162,000
5. 3167 S. Atlantic	130 spaces	\$1,820,000
6. Cardinal	135 spaces	\$1,890,000
Total	591 spaces	\$8,274,000

\*estimates only; \$14,000/space

# Mini-budget Workshop – Coastal Projects

Capital Improvement Plan 313 Beach Capital and 114 Inlet District Funds	Fiscal Year				
	2015-16	2016-17	2017-18	2018-19	2019-20
Off-beach Parking Development	\$500,000	\$350,000	\$791,792	\$835,086	
Beach Safety Ocean Rescue Infrastructure	\$116,625	\$160,000	\$145,000	\$125,000	\$125,000
Beach Restroom Renovation	\$210,000	\$250,000			
Beach Ramp Renovation	\$546,000	\$267,500	\$395,000	\$30,000	\$700,000
Public Access Facilities	\$2,178,060	\$575,000	\$100,000		
Inlet Dredging	\$440,000	\$150,000	\$150,000	\$150,000	\$150,000
Inlet Parks Renovation	\$150,000	\$2,527,500			
Boating & Waterway Access	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000
<b>GRAND TOTAL</b>	<b>\$4,315,685</b>	<b>\$4,455,000</b>	<b>\$1,756,792</b>	<b>\$1,315,086</b>	<b>\$1,150,000</b>

# Mini-budget Workshop – Coastal Projects

## Considerations

Funding

Long-term maintenance costs



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## Discussion

