

BUCKROE BOARDWALK

Repairs, Renovation, & Extension

11 September 2019

OVERVIEW

- Current conditions + scope
- Design options + costs
 - Overall plan + common design features
 - 3 Options for existing boardwalk
 - 3 Options for southern section/extension
- Recommendations
- Next Steps
- Questions

current CONDITIONS



current CONDITIONS



SCOPE

- Repair items identified by Hampton Public Works
- Evaluate structural integrity of seawall
- Repairs to seawall, boardwalk, and masonry planters
- Extend boardwalk south to James T. Wilson Fishing Pier
- Provide ADA accessible design improvements
- Provide increased seating options along boardwalk
- Evaluate lighting
- Design to reduce sand buildup on boardwalk
- Identify planting opportunities & low-maintenance plantings
- Evaluate option for removing existing seawall and building raised boardwalk

DESIGN: overall plan

Buckroe Beach Boardwalk Renovation and Extension Conceptual Design



September 2019



DESIGN: *amenities*



Proposed
Boardwalk Bench



Proposed Boardwalk
Garbage Bin



Proposed LED
Lighting

DESIGN: *plantings*



Shade Tree
Live Oak



Evergreen Tree
Japanese Black Pine



Flowering Tree
Crepe Myrtle



Ornamental Grass
Salt Meadow Hay

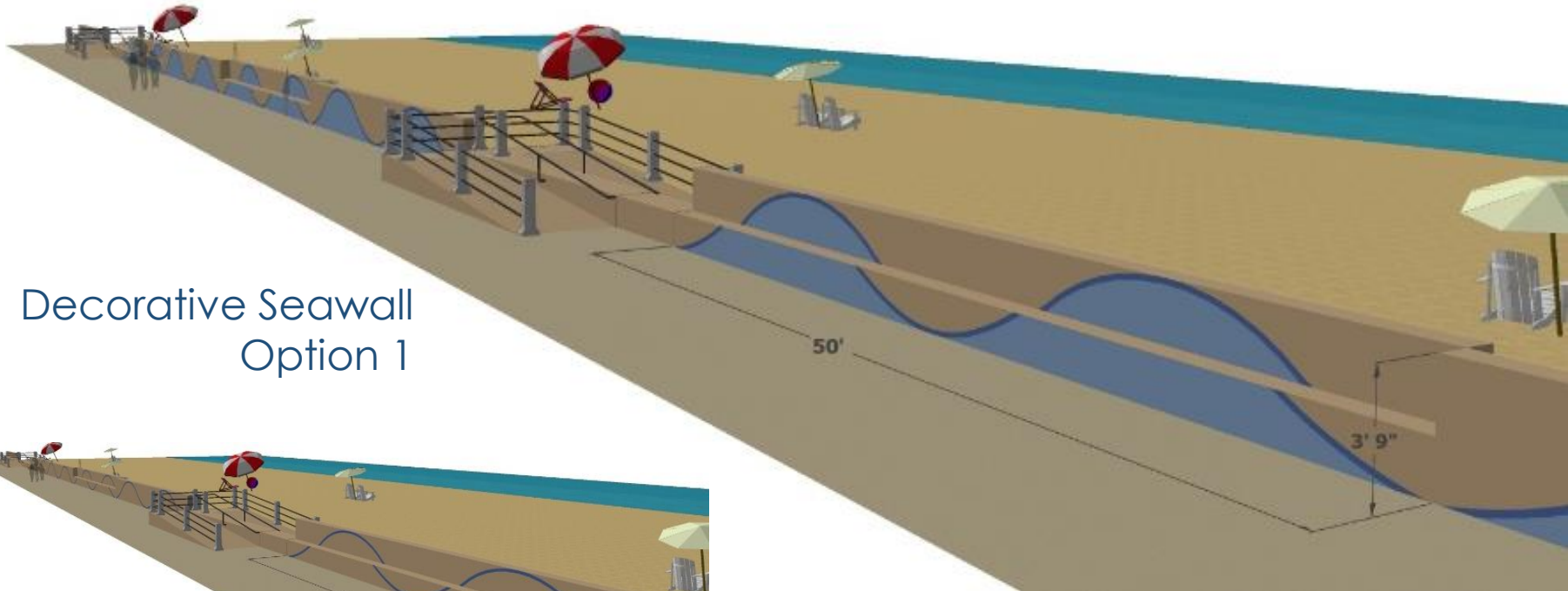


Ornamental Grass
Blue Switchgrass

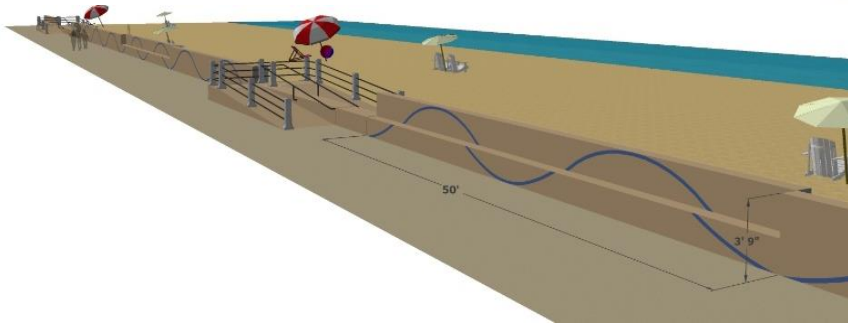


Ornamental Grass
Coastal Panic Grass

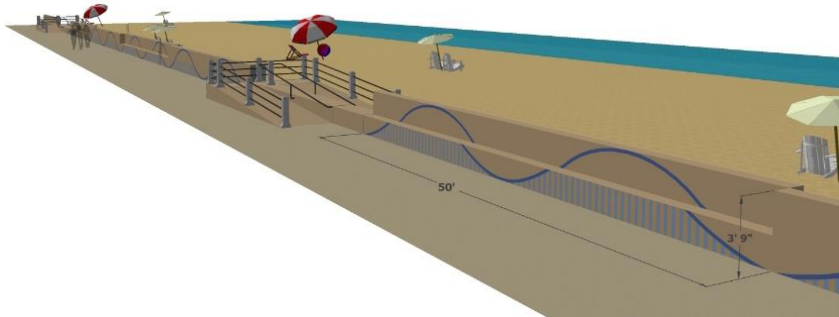
DESIGN: seawall



Decorative Seawall
Option 1

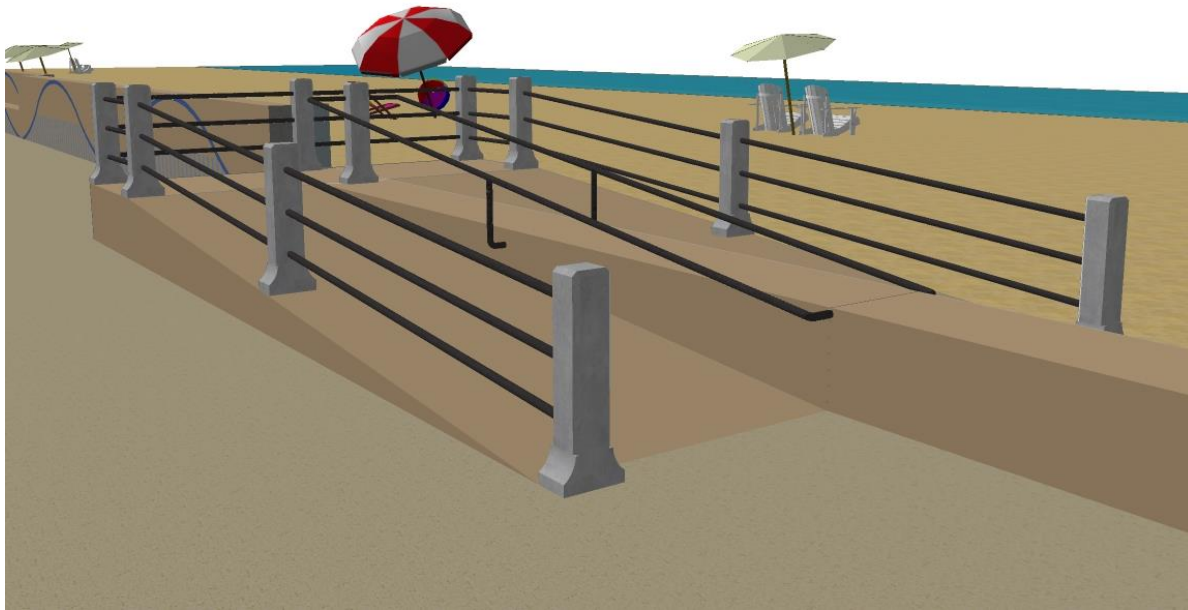


Decorative Seawall
Option 2



Decorative Seawall
Option 3

DESIGN: *pedestrian beach access*



Proposed Pedestrian Access Ramp
Placement = every 200'



Existing Steps

DESIGN: *options*

Existing boardwalk

- Repair
- Reconstruction
- *Raised**

Southern section/extension

- Streetscape
- Composite
- Seawall + streetscape

DESIGN: *northern section*



Repair Option



Reconstruction Option



DESIGN: *buckroe park section*



Repair & Reconstruction Option



COSTS

northern & buckroe park sections

Repair	\$3,675,000	30 yrs
Reconstruction	\$6,000,000	50 yrs

Includes improvements to concrete seawall (+ seating), boardwalk surface, planters, ADA accessibility, replacement of lighting, plantings

Major cost difference between 'Repair' & 'Reconstruction' is the concrete seawall cap & the boardwalk surface reconstruction

DESIGN: southern section/extension



Streetscape Concept



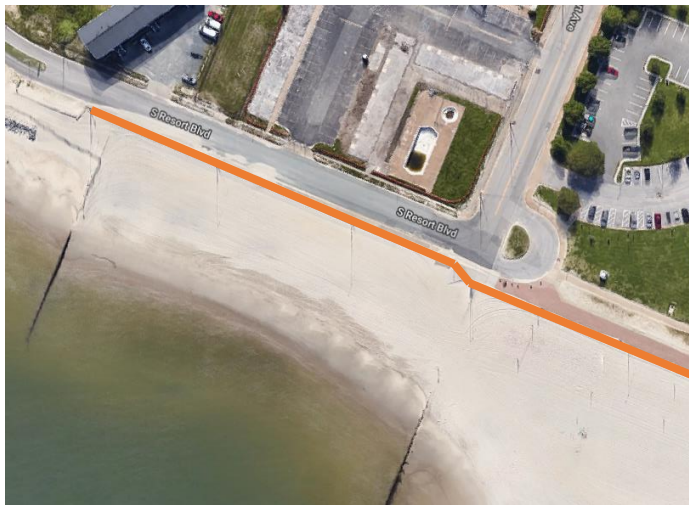
Composite Concept



COSTS

southern section/extension

Streetscape	\$400,000
Composite	\$525,000
Seawall + Streetscape	\$1,100,000



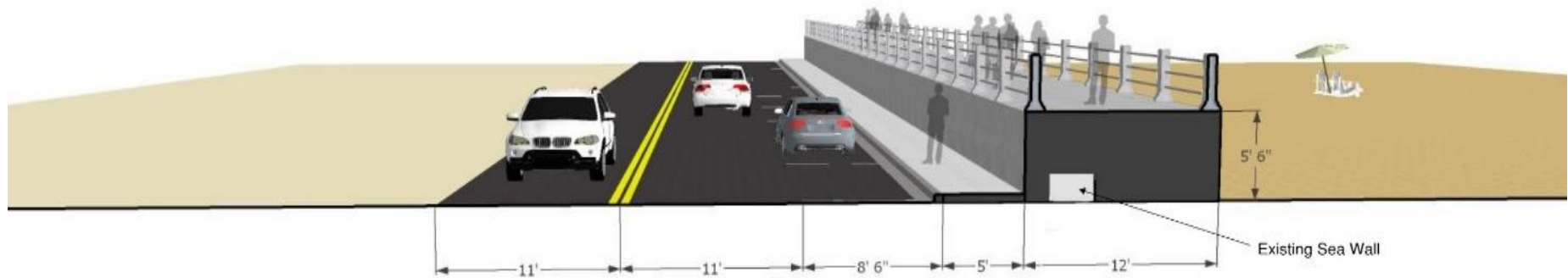
Realignment of seawall will take approx. 6' – 8' of beach

DESIGN: *raised boardwalk*

Northern Section (*below*)



Buckroe Park Section
(*above*)



Southern Section (*above*)

COSTS: *raised boardwalk*

Raised | \$18,400,000 | 75 yrs

- Raised approx. 5'6" above ground level, with additional 3' railing on top
- Width ranges from 12' – 41' dependent upon section
- Access onto and off of is more challenging
- Creates visual barrier between park and beach

planned FUNDING

Capital Funding for 'Enhanced Park Maintenance & Buckroe Boardwalk'

FY 20	\$1,000,000
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FY 21	\$3,000,000
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FY 22	\$2,000,000
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\$6,000,000

for total project

- Can shift funding to necessary fiscal year
- Can supplement with PRLS capital funding

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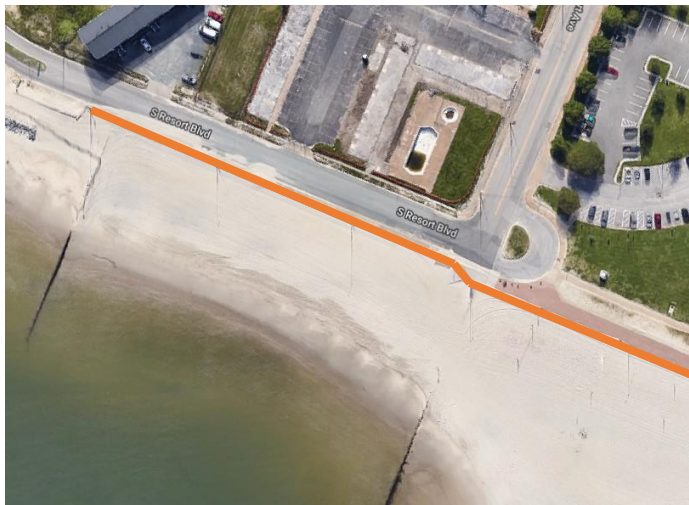
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RECOMMENDATION

Reconstruction	\$6,000,000	50 yrs
Seawall + Streetscape	\$1,100,000	75 yrs
	\$7,100,000	
	<i>for total project</i>	

- Structural, aesthetic, and accessibility improvements
- Consistent with character of neighborhood, uniform look and enhanced durability
- Divvied out into 2 components for permitting purposes if choosing to realign seawall
- \$1.1 million over the allotted funding/augment with PRLS maintenance funds

NEXT STEPS

Meet with Community
Phasing Plan for Construction
Phase 1: Buckroe Park
Future Phases: Construction
Document Prep
& *Permitting*
ITB for Construction
Contract Complete
Phase 2: Construction begins

Tentative September 2019

November 2019

Complete Pre Summer 2020

December 2019 – May 2020

June 2020

August 2020

September 2020

Questions?