

Bayfront Advisory Commission Capital Improvement Projects Briefing



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Department of Public Works

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Overview

- I. Recent Accomplishments
- II. Under Design
- III. Under Construction
- IV. FY18-23 Projects

Recent Accomplishments

Completed Projects FY 17

Shore Drive Bike Facilities CIP 2-300.101

- EB & WB On road bike lanes from Diamond Springs Road to Northampton Boulevard, approx. 3 miles.
- Completed February 2017
- Total Project Cost: \$4.4M

Crab Creek & Long Creek Dredging CIP 8-011

- Spot dredging to address shoaling
- Completed February 2017
- Total Project Cost: \$285K

Lynnhaven Inlet Maintenance Dredging CIP 8-013

- Minor dredging to address shoaling
- Completed August 2016
- Annualized Payments to USACE - \$363K

Under Design

Chesapeake Beach Restoration CIP 8-409



- Major beach restoration project proposed with periodic maintenance
- Critical for coastal protection and resiliency, most erosive section City's coastline without a funded nourishment project in place
- VIMS sand search completed
- Favorable court ruling in 2017 that public interest in beach does exist
- Design and Permitting : 65% Complete
- Construction : January 2018 – June 2018
- Total project cost : \$4.82M
- FY 18-23 program cost is \$7.47M includes first cycle and periodic nourishment in 2023

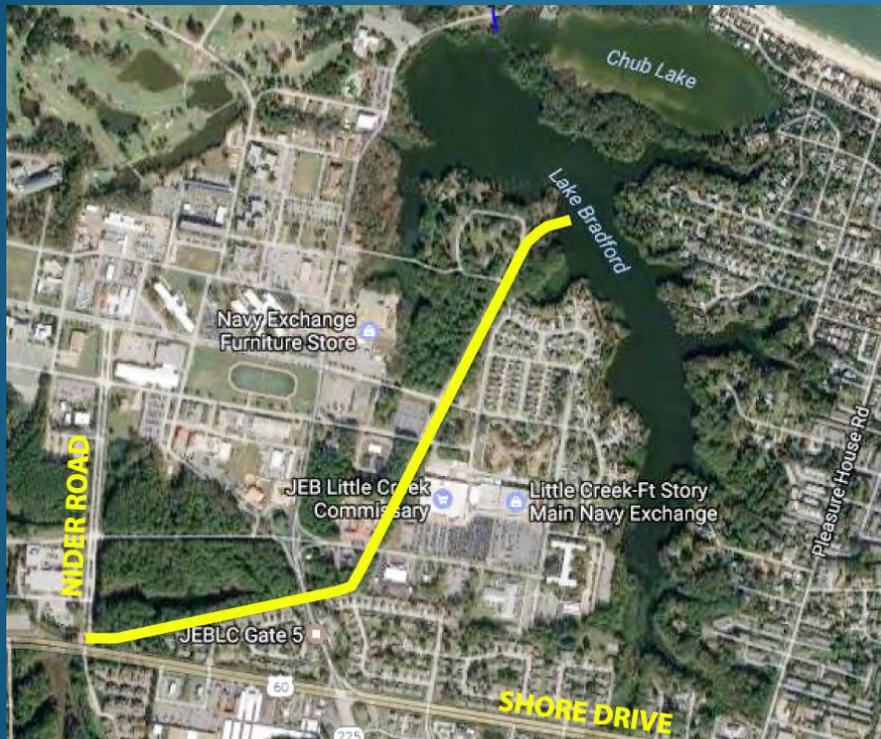
Bay Beaches Resiliency CIP 8-020



- Initiates preliminary planning, design, and permitting framework necessary for a programmatic shore protection and beach management strategy for Cape Henry and Ocean Park beaches
- Determines need and level of protection required
- Provides an “engineered beach” required for eligibility for federal disaster relief funds
- Project scope and fee is being finalized
- Basis of Design study to start July 2017
- FY 18-23 program cost : \$4.13M

Nider Ditch

CIP 7-023



- Maintenance of the \pm 5,000-ft outfall ditch from Lake Bradford, through the Little Creek/Fort Story Joint Expeditionary Base, south to Shore Drive.
- Improvements will include removal of accumulated sediment and debris, tree trimming, bank stabilization and culvert stabilization.
- Preconstruction Notification filed with USACE : 90 Days
- Construction : September 2017- December 2017
- Total Project : \$350K

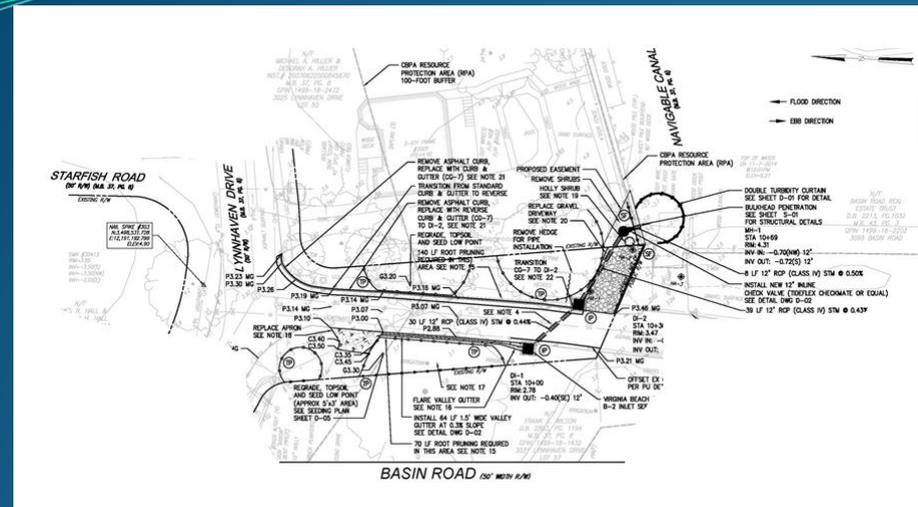
Eastern Shore Drive Drainage

CIP 7-151

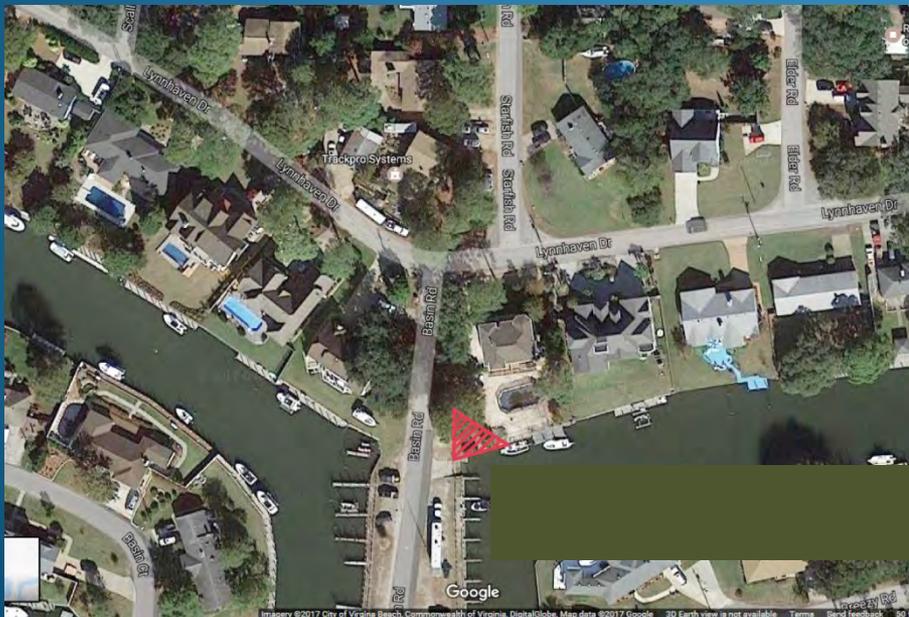


- Three Project Sections Programmed
- Improvements will Include tide gates, pump stations, canal improvements, drainage system improvements, and a stormwater management facility
- 3 Interim Tide Gate Installations Completed @ W Great Neck Road and Admiral Road : July 2017 - \$1.5M
- Design I & II : 25% complete
- Construction I & II : July 2018 - July 2029
- Total Project Cost I & II : \$64.2M
- Total Project Cost I-III B : \$83.2M
- BTC - Beyond FY18-23 : \$17.5M

Basin Road Project CIP 7-416.029



- This project provides drainage improvements for the area of Basin Road near its intersection with Lynnhaven Drive.
- Improvements will consist of new drainage inlets and piping.
- Design : Completed
- Construction : October 2017 - December 2017
- Total Project Cost - \$184 K

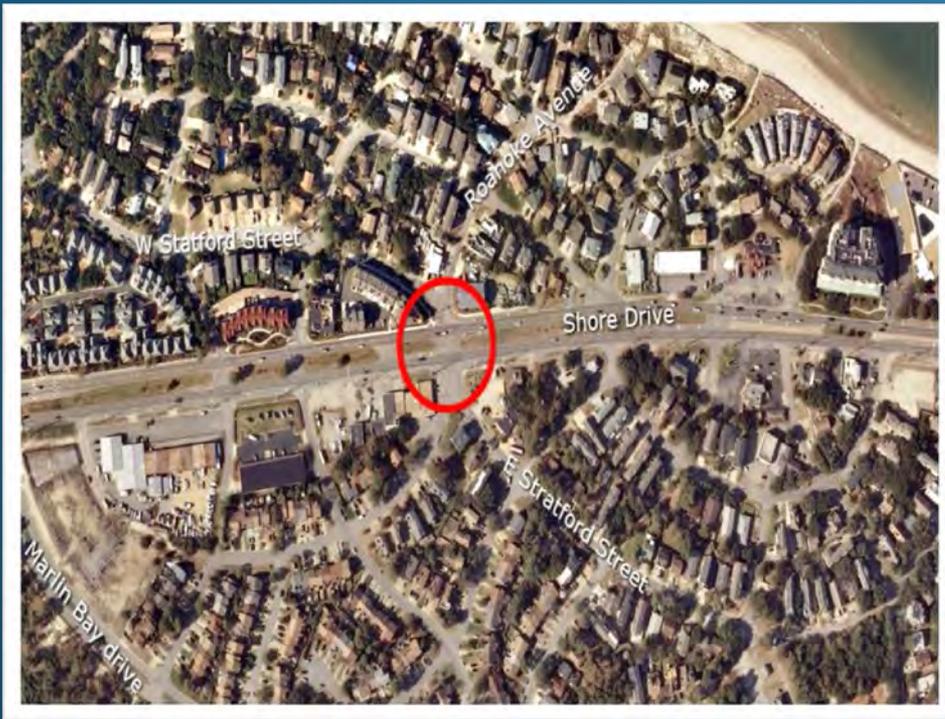


Kendall Street Sidewalk CIP 2-300.005



- 5-ft Sidewalk along the West side of Kendall Street from Admiral Drive to the Cape Henry Trail
- 5-ft Sidewalk along East side of Kendall Street from Cape Henry Trail to Shore Drive
- Approximately 0.20 miles
- Includes curb ramps, tree removal, driveway replacement and a stormwater management facility
- Design : 90% complete
- Construction : October 2017- January 2018
- Total Project Cost : \$480K

Shore Drive & Stratford Street Intersection Improvements CIP 2-300.119



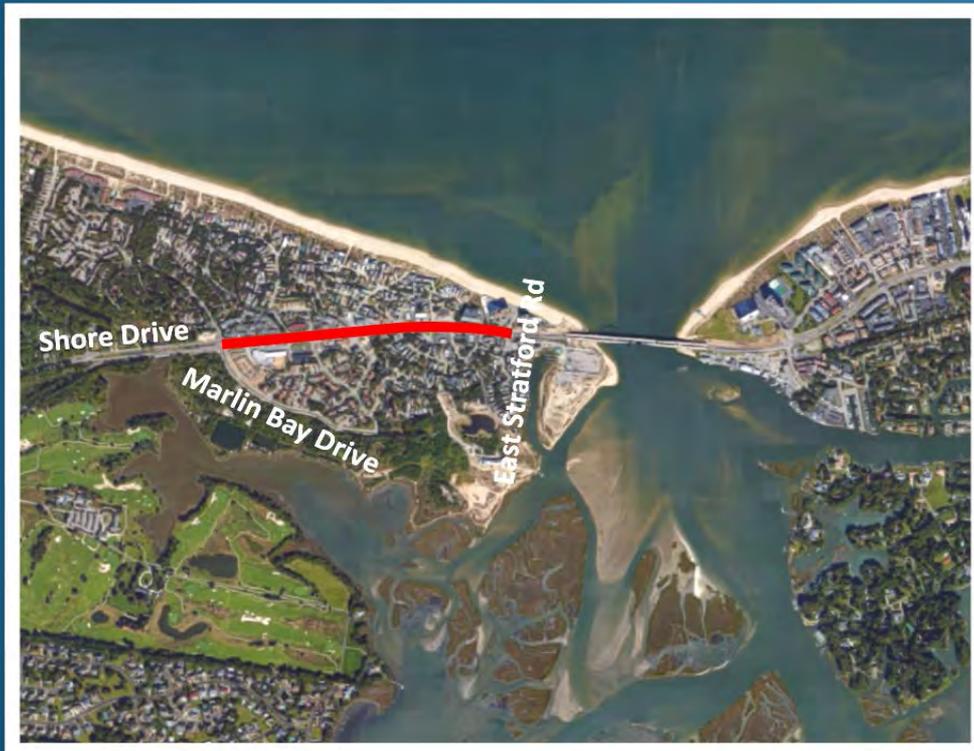
- Traffic Signal with Pedestrian Crossing Signals and Crosswalks
- Improve Traffic Safety
- Design : 60% Complete
- Construction : January 2018 - May 2018
- Total project Cost : \$600K

Shore Drive Corridor Improvements Phase III CIP 2-117



- No capacity expansion - Retains four lanes from Vista Circle to N. Great Neck Road
- Improve safety and vehicular/ pedestrian traffic flow
- Includes drainage improvements, edge treatments, multi-use path and HRSD FM adjustments/relocation
- Utility Relocations - Overhead; undergrounding at signalized intersections
- Design : 90% complete
- Construction : August 2019 - August 2020
- Total Project Cost : \$22.3M

Shore Drive Corridor Improvements Phase IV CIP 2-118



- No capacity expansion - retains four lanes from Marlin Bay Drive to East Stratford Road
- Includes safety improvements, edge treatments, and multi-use paths
- Design : 30% complete
- Construction: Beyond FY18-23
- Total Project Cost : \$13M
- BTC : \$12M

Pleasure House Point Mitigation

8-408



- Wetland Restoration and mitigation bank project on City owned property
- Identified in the Pleasure House Point Management Plan
- Potential use for stormwater, roadway, navigation dredging and other municipal projects requiring wetland impact mitigation
- Includes public water access and parking improvements
- Design : 60% Complete
- Construction : June 2018 - December 2018
- Total project cost : \$3.02M

Under Construction



Greenwell Road Sidewalk CIP 2-300.016

- 8-ft Asphalt Path along West side of Greenwell Road from First Court Road to Delco Road & 5-ft Concrete Sidewalk from Delco Road to Shore Drive, approx. 0.5 miles.
- Started Construction : April 2017
- Approximately 15% Complete
- Complete Construction : October 2017
- Total Project Cost - \$538K



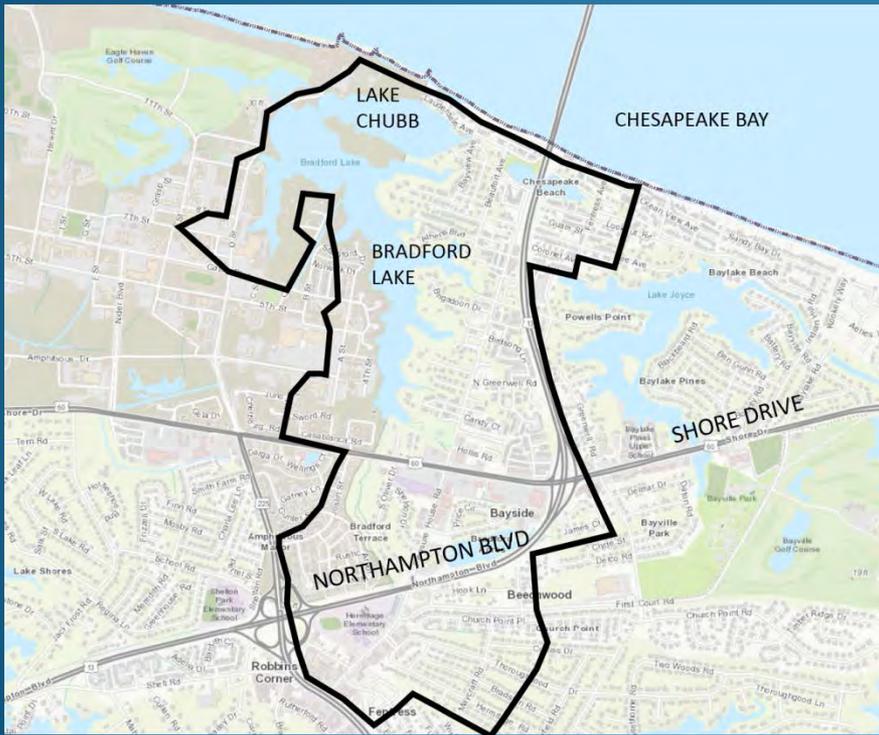


Lesner Bridge Replacement CIP 2-168

- New WB Bridge Complete and Carrying Traffic
- Started Construction - June 2014
- Approximately 70% Complete
- Complete Construction : May 2018
- Total Project Cost : \$538K

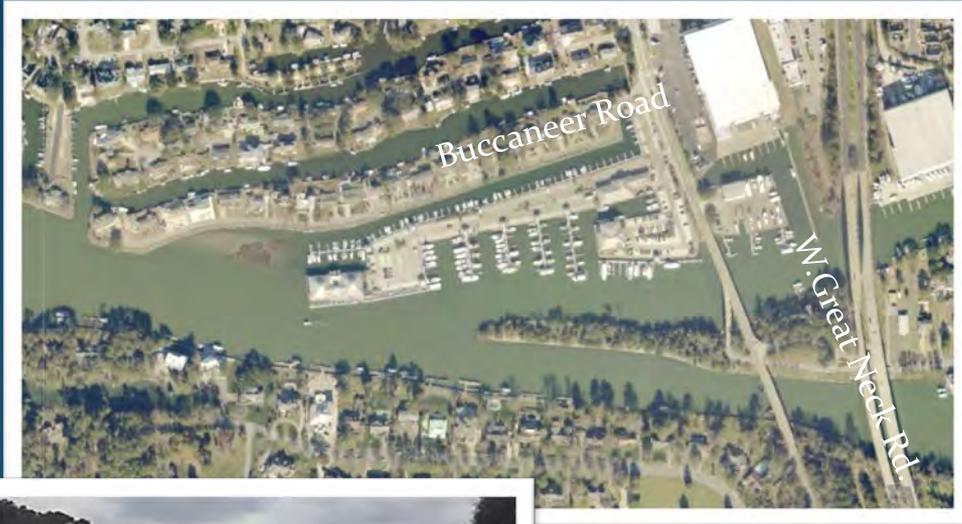
FY18-23 Projects

Lake Chubb / Bradford Lake - Partial CIP 7-053



- Improvements to Address Severe Structural and Roadway Flooding
- Includes Channel / Ditch, Tide Gate and Drainage System Improvements
- Begin Preliminary Engineering Analysis & Report : August 2017
- Design Start : May 2018
- Construction Start : May 2020
- Total Project Cost : TBD
- FY18-23 Funding : \$6.5M

Buccaneer Road Bulkhead Replacement CIP 2-130



- Replace 2,100 feet of aluminum bulkhead built in 1983 with coated steel sheet pile system
- 50 feet replaced in 2010
- 50 feet replaced in September 2016
- 100 feet failed mid-December 2016; interim repairs underway
- Design Complete
- Construction : October 2017 - July 2018
- Total Project Cost : \$4.5 M



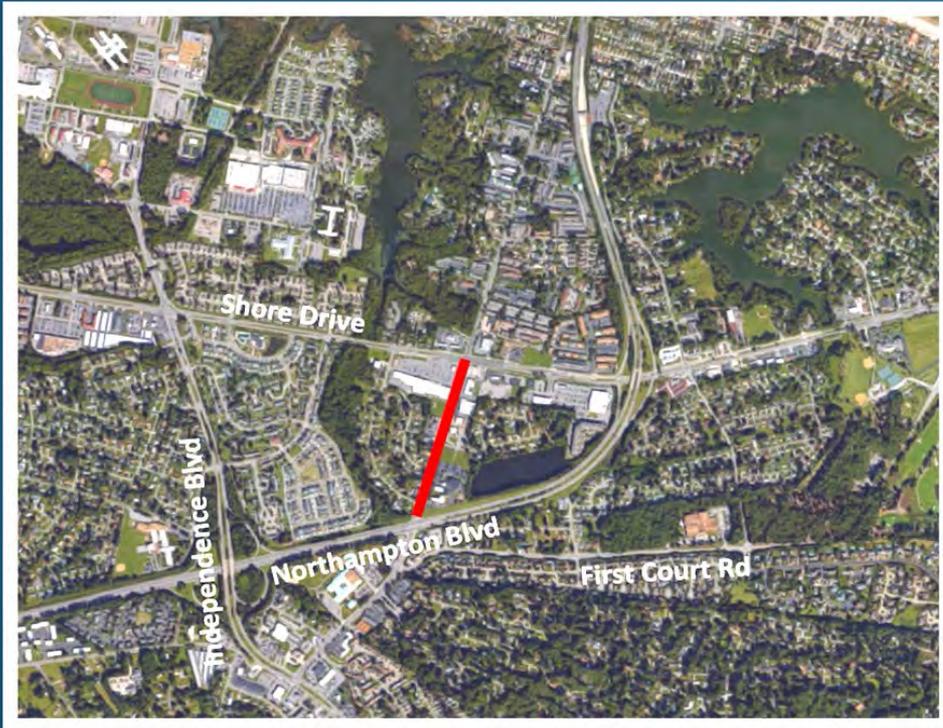
December 2016 Failure



September 2016 Repair

Pleasure House Road Street Improvements Phase I

CIP 2-056



- Street and Safety Improvements from Northampton Blvd to Shore Drive
- New Curb and Gutter
- Pavement Rehabilitation
- Storm Drainage
- Bike Accommodations
- Concrete Sidewalk
- Start Design : July 2020
- Construction : Beyond FY18-23
- Total Project Cost : \$1.3M

Pleasure House Road Street Improvements Phase II

CIP 2-057



- Street and Safety Improvements from Shore Drive to Lookout Road
- Pavement Rehabilitation
- Storm Drainage
- Bike Accommodations
- Concrete Sidewalk
- Start Design : July 2019
- Construction : Beyond FY18-23
- Total Project Cost : \$3.0M

West Great Neck Road Sidewalk CIP 2-120



- 5-ft sidewalk along the west side of West Great Neck Road from Adam Keeling Road to the bridge over Long Creek
- Improve Safety
- Pedestrian Connectivity Project
- Approximately 0.2 miles
- Start Design : June 2017
- Construction : July 2018 - February 2019
- Total Project Cost : \$924K

Lynnhaven Inlet Maintenance Dredging II CIP 8-013



- Periodic maintenance dredging of Lynnhaven Inlet and connecting waterways
- Cost participation with U.S. Army Corp of Engineers
- Three year maintenance cycle
- Last full channel dredging completed December 2013
- Minor dredging completed August 2016
- Next major dredging FY-18 subject to Federal funding
- Annual project cost is approximately \$363K
- FY18-23 program funding is \$2.18M

Various Minor Dredging Projects II

CIP 8-011



- Dredging of navigational channels in various internal waterways located throughout the City
- Crab Creek & Long Creek last completed in February 2017
- Next cycle planned for early 2018
- Annual project cost is approximately \$388K
- FY 18-23 program funding is \$2.33M

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Questions?