

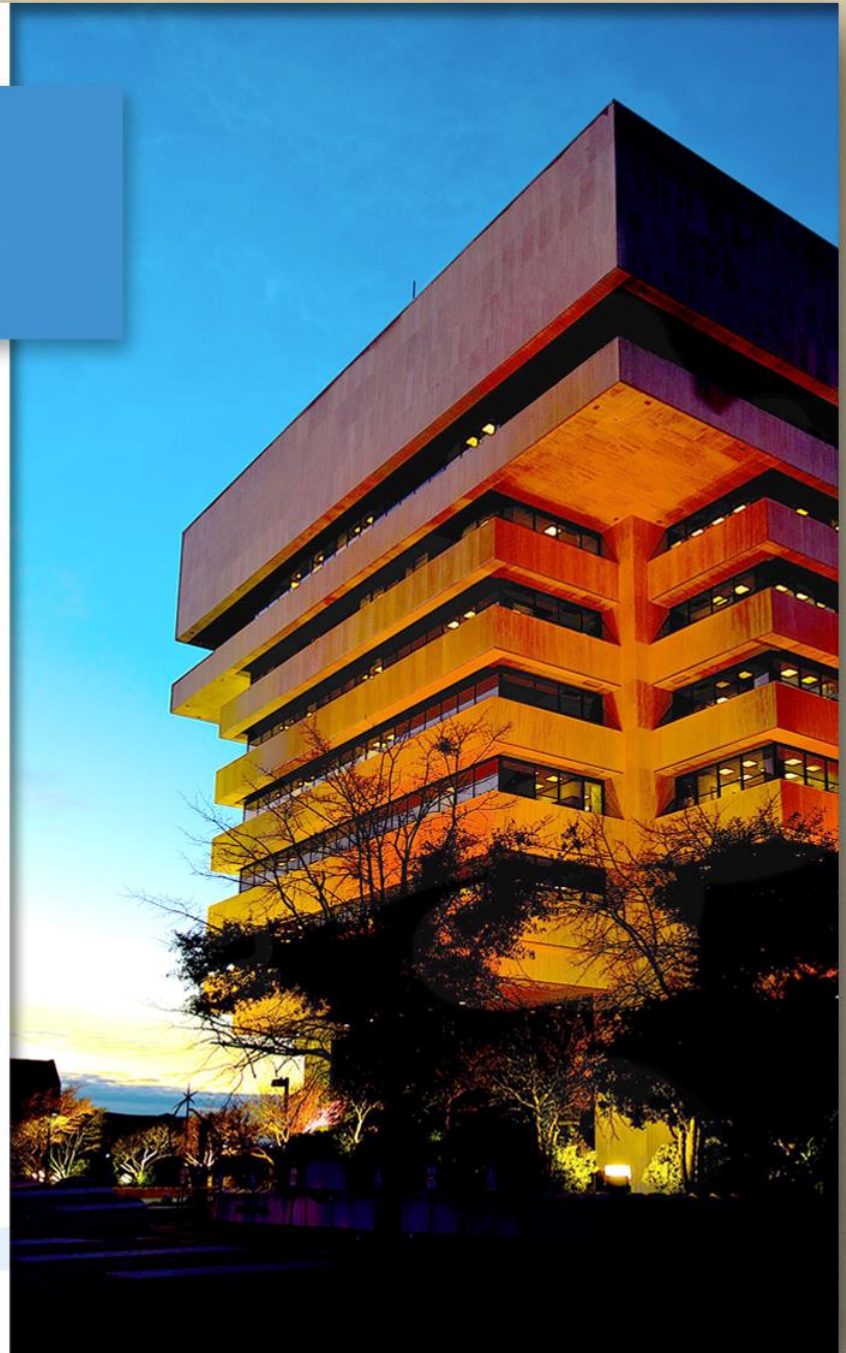
HAMPTON VA

Public Works

FY20

Accomplishments

September 23, 2020



Hampton Public Works

Public Works mission is to build and maintain the City's infrastructure at the highest level in order to provide our community with a safe and clean environment to live, work, and play.

- Administration
- Engineering
- Fleet Services
- Facilities Maintenance
- Solid Waste
- Steam Plant
- Stormwater
- Streets & Bridges
- Traffic
- Wastewater

Public Works: Good Government

- Projects aligned with City Council's Strategic Priorities:
 - Right of Way Cleaning (Roadside Maintenance)
 - Fox Hill Neighborhood Center Renovations
 - Old Hampton Neighborhood Center
 - Freeman Dr. Construction
 - Phoebus & Settler's Landing Traffic Improvements



Public Works: Safe & Clean Community

- Projects aligned with City Council's Strategic Priorities:
 - Downtown Hampton Street Lighting
 - Lasalle & Kecoughtan Intersection Improvements
 - Settler's Landing Parking Garage Improvements



Engineering Services Division

Our Engineering Services Division manages all capital improvement projects for the City of Hampton to include:

- Improving waterways
- Stormwater improvements to reduce flooding
- Renovations and repairs of city buildings
- Virginia Department of Transportation Programs (VDOT)
 - New infrastructure
 - Intersection improvements
 - Multi-use paths
 - Roadway safety improvements
 - Road extensions

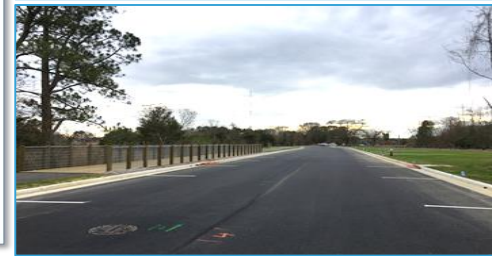
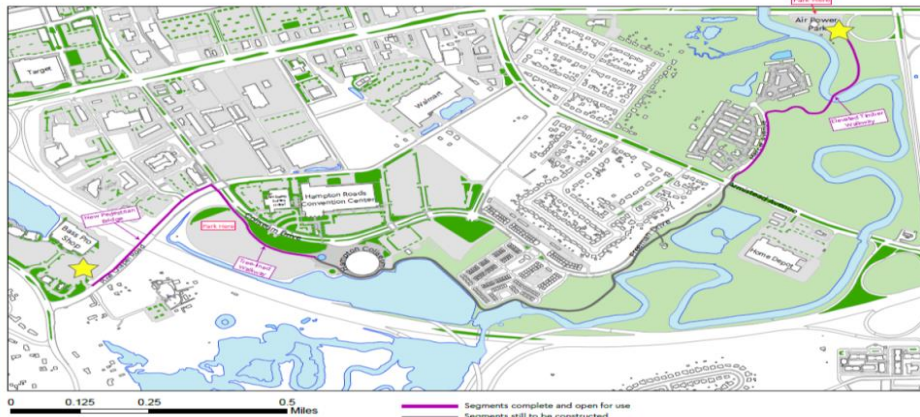
VDOT Projects

- Engineering managed 4 SGR projects in FY20; two on Armistead Ave., one on Mercury Blvd. and one on Magruder Blvd.
- VDOT & CSX Railroad Signal Upgrade
- Citywide Flashing Yellow - Installing flashing yellow left turn arrows on various intersections throughout the entire city.
- Upcoming VDOT Projects: SMART SCALE Applications
 - □ Coliseum Drive Extension Phase B: Consistent with the Coliseum Central Master Plan, this project will continue the northern extension of Coliseum Drive by building a new 4-lane divided roadway and shared-use path from Butler Farm Road to Magruder Blvd to connect the Coliseum Central area to Hampton Roads Center North. This project will also provide relief for the proposed closure of Armistead Ave adjacent to Langley Air Force Base.
 - □ North Campus Parkway Bicycle & Pedestrian Improvements: This project will install a shared-use path south of Commander Shepard Boulevard to connect to the Matteson Trail and eventually to the Coliseum Central area (via the proposed Coliseum Drive Extension). This project will also install missing sidewalk sections north of Commander Shepard Boulevard, along North Campus Parkway and Floyd Thompson Drive.
 - □ North King Street Corridor Improvements Segment 5: Consistent with the North King Street Master Plan, this project will install the last segment of a continuous shared-use path between Downtown and the Langley Air Force Base gate. This project will improve safety and provide access to the existing bus stops along the east side of North King Street.

VDOT Projects



Waterwalk at Central Park

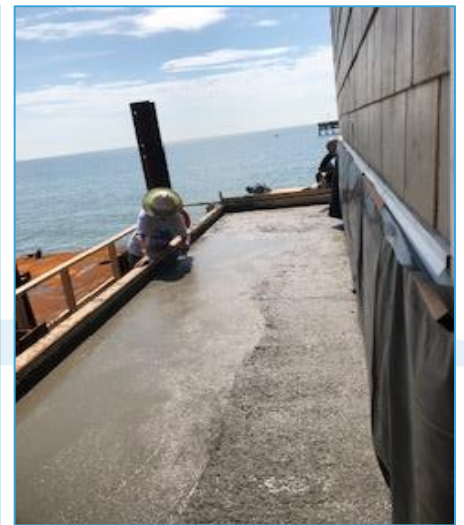
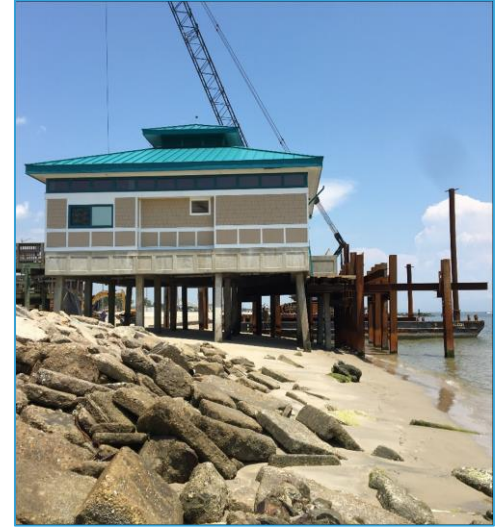


Renovations and Repairs

- War Memorial Stadium
- James T. Wilson Fishing Pier Repair
- Boo Williams Stormwater BMP/Parking Lot



James T. Wilson Fishing Pier Repair



Boo Williams Parking Lot

Improved a 4.5 acre site adjacent to the Sportsplex by adding 400+/- parking spaces and a stormwater management facility



Buckroe Beach Improvements



Sand Nourishment - Relocated from Dredging Projects

Other Major Projects

- HRT Temporary Bus Transfer Station on Franklin Street.
- Northampton Area Drainage Improvements - Improvements to the storm sewer system serving the Berkshire Terrace area.
- Pembroke Avenue Phase III - Reconstruction of curb and gutter, sidewalks, crosswalks and lighting to increase user safety.



Facilities

Maintains 88 buildings to include:

- Security
- Lighting
- Electrical
- Mechanical
- Plumbing
- Custodial



COVID-19 Preparedness & Response

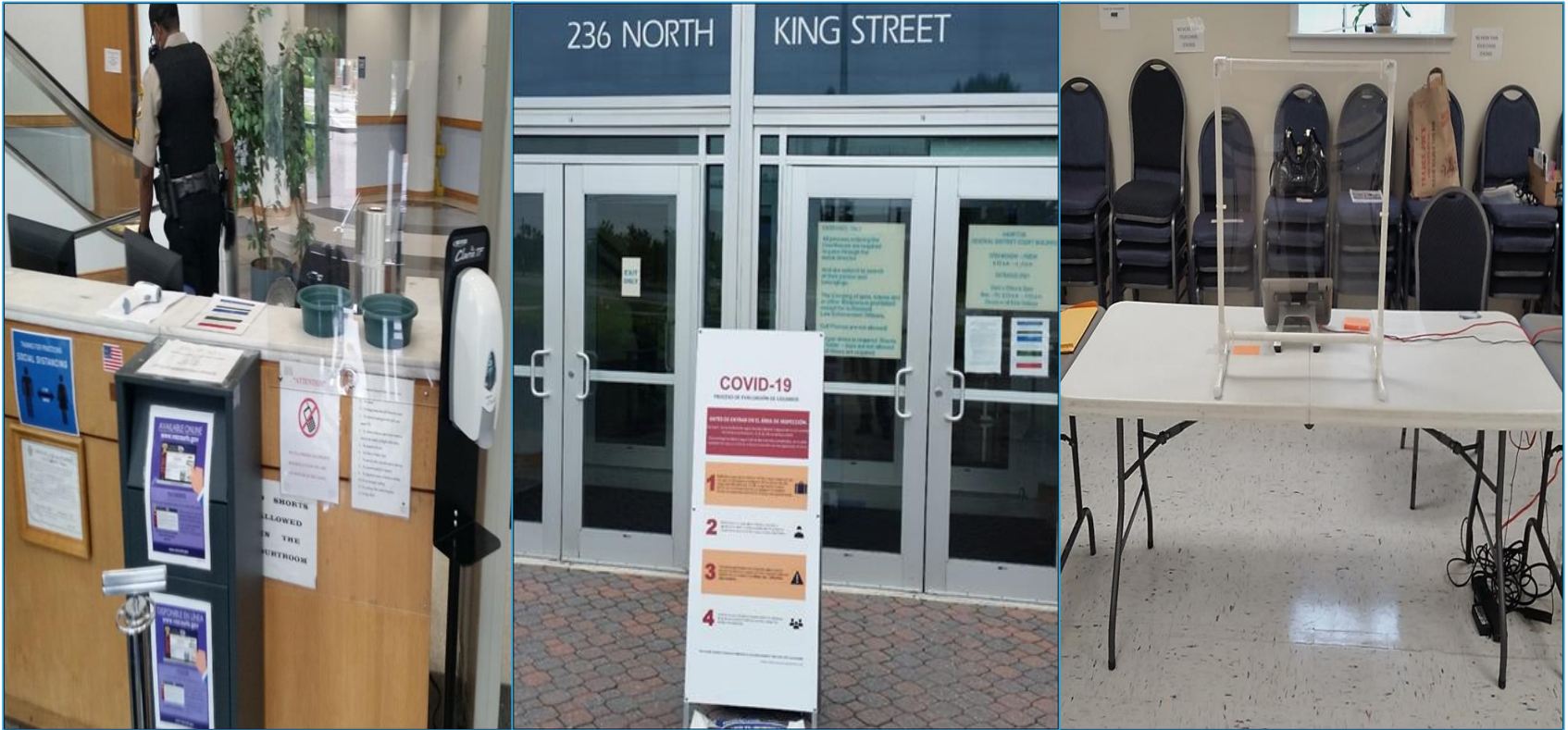
COVID Preparedness and Response



COVID-19 Preparedness & Response



COVID-19 Preparedness & Response



HVAC Upgrades



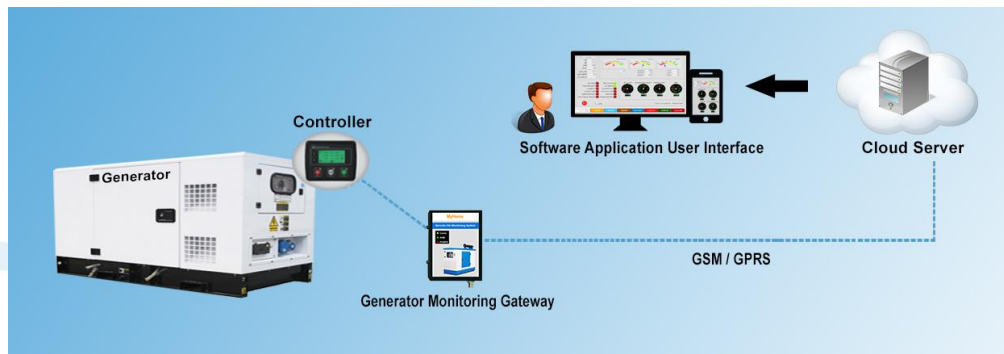
Repair & Replace HVAC
systems at City Hall, Main
Library, New Court
Building, & Safety
Building

Building Improvements



Renovations of Human Services Kitchen & Upgrade of LED lighting at Fort Monroe Community Center, Fox Hill & Old Hampton Neighborhood Centers & North Phoebus Community Center

New Roof, ADA Restrooms Upgrades, New HVAC System and Flooring at Fox Hill Neighborhood Center



Install 10 New Generator Remote Monitoring Systems

Fleet Services



Fleet is an internal service that serves all city departments and several boards and organizations. They manage vehicle maintenance and repairs, acquisitions, disposals, rentals and provide 24 hour fueling.

Completed Services

- 3,635 repair work orders
- 2,012 preventative maintenance work orders
- 162 road side assistance calls
- City Used 440,665 gallons of unleaded fuel
- City Used 628,140 gallons of diesel fuel
- Processed 46 pieces of equipment for replacement
- Processed 43 pieces of equipment for disposal

Solid Waste & The Steam Plant

Provides waste collection and disposal to all residential customers in Hampton to include:

- Weekly refuse
- Weekly bulk
- Bi-weekly recycling
- Yard waste drop off site at the landfill six days a week



The Steam Plant converts the waste to energy in order to produce steam that powers NASA and reduces the waste sent to the landfill.



Environmental Impact



We collected 127,869 tons



We completed 17,340 requests

Processed 68,000 tons
of refuse



COVID-19 & Solid Waste



- Solid Waste bulk collections saw an average of 23% increase over the first 4 months.
- Over 2,000 tons more taken to the Landfill from February to May 2020 v/s 2019.

Streets & Bridges

Maintains and repairs all City owned:

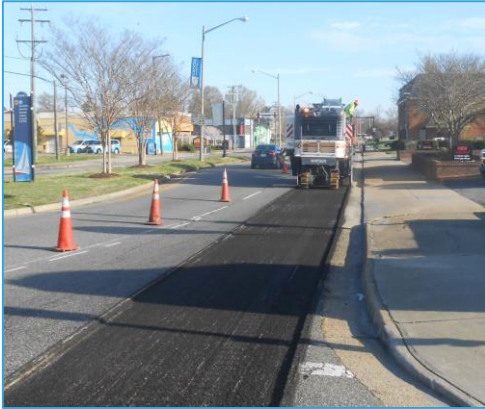
- Streets
- Bridges
- Sidewalks
- Curb and Gutters
- City owned parking lots



Provides monthly street sweeping services, conduct emergency pothole repairs, and inspections of public infrastructure for:

- Capital improvement projects
- Site and subdivision development
- Permitted right-of-way activity

Street & Bridge Maintenance



49,685 tons
of asphalt
resurfacing



524 LF
of curb & gutter
3,659 LF of
sidewalk



Construction Projects & Inspection Services

Managed 57 construction projects within the city providing inspection services



Performed 3,600 right-of-way inspections

List of Projects

- Placed 49,685 tons of asphalt on roadways
- Repaired / replaced 524 linear feet of curb and gutter
- Repaired / installed 3,659 linear feet of sidewalk
- Managed 57 construction projects
- Inspected all City maintained bridges
- Provided street sweeping services for all city-maintained streets and removed 4,369 tons of debris
- Performed 3,600 right-of-way inspections
- Patched 2,730 residential potholes
- Responded to 1,851 citizen requests



Traffic Operations

Maintains and repairs the city's transportation network to include:

- Signals
- Lights and poles
- Control cabinets
- Cameras
- Vehicle detection
- Signage
- Pavement markings
- Guardrails
- Fiber optic network



Traffic Improvements



New LED street lights, traffic signs, and vehicle detection systems

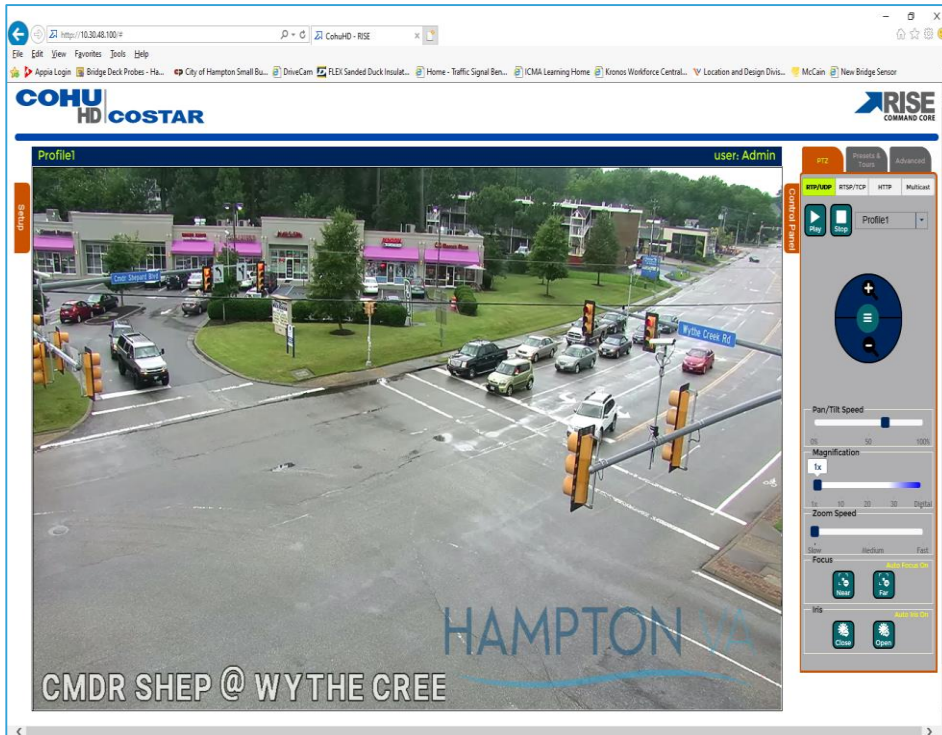


Guardrail repairs



Completed 64 fiber optic repairs

Major Projects



Completed 238 signal
repairs or
replacements

Worked with the Police
Department on CCTV camera
expansion project, installing
48 CCTV cameras



Pavement Markings & Parking Lot Restriping



Applied 39,760 linear feet of roadway traffic restriping
&

Completed restriping of all High School parking lots & 16 Downtown Hampton parking lots



Wastewater

Maintains the city's sanitary sewer system to include:

- 40 miles of pressure pipe
- 420 miles of gravity pipe
- 11,000 manholes
- 48,000 service connections
- 109 Pump stations

Infrastructure Improvements



Replacement of the wastewater pump station in the North King Street Neighborhood

Maintenance & Repairs



- Installed 23 new sewer connections
- Wastewater infrastructure & manhole repairs

Stormwater: Living with Water

Implements environmentally sound practices including the maintenance of stormwater pipes, structures, open ditches, and outfalls in order to:

- Protect the environment
- Reduce flooding to protect people and property
- Support healthy waterways
- Create a healthier and more sustainable community



Stormwater Infrastructure Maintenance



Maintained and Cleaned 3,144,916.00 square feet of
Stormwater Infrastructure in Hampton

Right of Way Program



Pest Control



Mosquito control
through trapping and
removal of breeding
grounds

Set 190 mosquito traps
capturing 47,589
mosquitos for disease
testing.



In Summary

- Managed all capital improvement projects for the city and completed 12 capital projects and 4 additional projects are in the final stages of completion
- Responded to over 22,000 citizen requests
- Completed over 40 major Plumbing, HVAC, and Electrical Building Improvements
- Assisted additional departments including Parks & Leisure Service, Hampton City Schools, Emergency Management and the Hampton Police department
- Completed the extension of the Waste to Energy Agreement with NASA for the Hampton Steam Plant

What We Are Working On?

- Asset Management and Building Assessments
- Automated Vehicle Location & Services Project
- American Public Works National Accreditation (APWA)
- Joint camera project with the Hampton Police Department

Public Works is committed to serving our community with integrity and accountability while fostering an environment that promotes and inspires creative and innovation ideas and actions.

HAMPTON VA

Questions ?

