



Fort Monroe Authority

Capital Improvement Plan Fiscal Years 2013 Through 2019

December 2015

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National Park Service

Project Cost Summary - Five Year CIP

Project	Status	Funding Source	Appropriations To Date	Unappropriated Subsequent Years						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
FY 2016										
1-007		MARS Access Ramp Repair	Design	VPP	131,600	131,600				
2-003	(yr 1 of 2)	Outer Moat Wall Repairs	Design	VPP	50,000	50,000	500,000			
2-004		Bridge Repairs	Design	VDOT	350,000	350,000				
3-007	(yr 1 of 2)	Mercury Blvd Water Improvements	Design	VPP	250,000	250,000	2,250,000			
3-010		Main Gate Water Line Replacement	Design	VPP	490,000	490,000				
4-007		Sewer SSES Plan	Design	VPP	115,000	115,000				
4-008	(yr 1 of 2)	Sump Pump Discharge Improvements	Design	VPP	100,000	100,000	900,000			
6-005		Stormwater Model & Master Plan	Design	VPP	150,000	150,000				
8-009A		HVAC Replacements 96,7,12,134 and 201)	Construction	DGS	875,000	875,000				
8-018		Replace Roof (7, 10, 24, 87, 117, 159)	Construction	VPP	1,120,110	1,120,110				
8-022	(yr 1 of 2)	B141/142 roof/railing replacements	Design	DGS	60,000	60,000	325,000			
8-026	(yr 1 of 2)	Structural Repairs to Buildings	Design	VPP	218,000	218,000	2,178,200			
8-027		Building 96 Roof Replacement	Design	VPP	400,000	400,000				
8-029		Building Exterior Stair/Ladder Assessment	Design	VPP	75,000	75,000				
Subtotal FY 2016					4,384,710					
FY 2017					FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
2-003	(yr 2 of 2)	Outer Moat Wall Repairs	Design	VPP	50,000	500,000				
1-004	(yr 1 of 3)	ADA Ramp/Sidewalk/Curbing Replacement - Phase 2		VDOT		220,000	220,000	220,000		
3-007	(yr 2 of 2)	Mercury Blvd Water Improvements	Design	VPP	250,000	2,250,000				
4-008	(yr 2 of 2)	Sump Pump Discharge Improvements	Design	VPP	100,000	900,000				
8-022	(yr 2 of 2)	B141/142 roof/railing replacements	Design	DGS	60,000	325,000				
8-024		Building repairs for non-residential		VPP		300,000				
8-025		HVAC Repairs (24, 77, 20, 21,37,138)	Design	VPP		750,000				
8-026	(yr 2 of 2)	Structural Repairs to Buildings	Design	VPP	218,000	2,178,200				
Subtotal FY 2017						7,423,200				
FY 2018					FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
1-004	(yr 2 of 3)	ADA Ramp/Sidewalk/Curbing Replacement - Pha		VDOT		220,000	220,000	220,000		
4-006	(yr 1 of 2)	Pump Station 256 & Force Main Replacement		VPP			60,000	600,000		
6-001	(yr 1 of 3)	Stormwater Outfall Backflow Preventers	On Hold	USACOE/FMA			100,000	450,000	1,570,000	
6-003	(yr 1 of 2)	103 PMP Coastal Flood Study	On Hold	USACOE/FMA			476,000	1,300,000		
8-020		Replace Roof (B138, B161, B201, B218, B221, B27a)		VPP			1,055,146			
8-009		B100 Repairs (Bathroom Add/Renovations)	On Hold	DGS			250,000			
Subtotal FY 2018							2,161,146			
FY 2019					FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
1-004	(yr 3 of 3)	ADA Ramp/Sidewalk/Curbing Replacement - Phase 2		VDOT		220,000	220,000	220,000		
4-003	(yr 1 of 2)	Pump Station 184 & Force Main Replacement		VPP				250,000	2,500,000	
4-006	(yr 2 of 2)	Pump Station 256 & Force Main Replacement		VPP			60,000	600,000		
8-021		Replace Roof (B171)		VPP				327,565		
6-001	(yr 2 of 3)	Stormwater Outfall Backflow Preventers	On Hold	USACOE/FMA			100,000	450,000	1,570,000	
Subtotal FY 2019								1,847,565		
FY 2020					FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
1-005	(yr 1 of 3)	Sign and Pavement Marking Replacement - Phase 2		VDOT					150,000	150,000
4-003	(yr 2 of 2)	Pump Station 184 & Force Main Replacement		VPP				250,000	2,500,000	
4-004	(yr 1 of 2)	Pump Station 58 & Force Main Replacement		VPP					200,000	2,000,000
8-028		Replace Roof (B105, B116, B134)		VPP					311,395	
6-001	(yr 3 of 3)	Stormwater Outfall Backflow Preventers	On Hold	USACOE/FMA			100,000	450,000	1,570,000	
Subtotal FY 2020									4,731,395	
FY 2021					FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
1-005	(yr 2 of 3)	Sign and Pavement Marking Replacement - Phase 2		VDOT					150,000	150,000
4-004	(yr 2 of 2)	Pump Station 58 & Force Main Replacement		VPP					200,000	2,000,000
Subtotal FY 2021										2,150,000

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	6 Year Total
Yearly Totals	4,384,710	7,423,200	2,161,146	1,847,565	4,731,395	2,150,000	22,698,016
Anticipated Funding Sources							
DGS	935,000	325,000	250,000	-	-	-	1,510,000
VDOT	350,000	220,000	220,000	220,000	150,000	150,000	1,310,000
VPP	3,099,710	6,878,200	1,115,146	1,177,565	3,011,395	2,000,000	17,282,016
USACOE/FMA	-	-	576,000	450,000	1,570,000	-	2,596,000
TOTAL	4,384,710	7,423,200	2,161,146	1,847,565	4,731,395	2,150,000	22,698,016

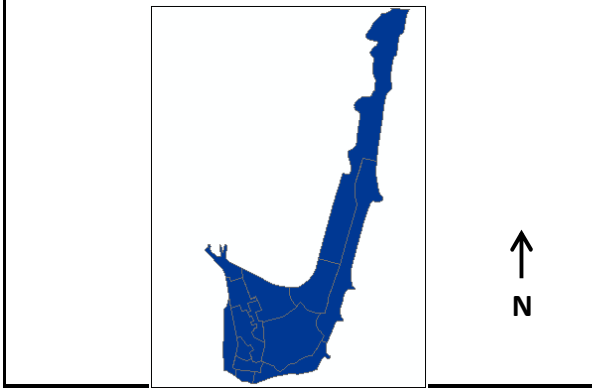
Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 1-004		ADA Ramp/Sidewalk/Curbing Replacement - Phase 2				
Project Type:			Parcelization District:			
Roadway			All			
Programmed Funding						
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding			
			FY 2017	FY 2018	FY 2019	FY 2020
	\$ -	\$ -	\$ 220,000	\$ 220,000	\$ 220,000	

Means of Funding		Description and Scope				
Funding Source	Amount	<ol style="list-style-type: none"> 1. Installation of ADA curb ramps where missing. 2. Removal and replacement of noncompliant curb ramps per ADA standards. 3. Removal and replacement of sidewalk and curb given a moderate defect rating in the 2010 report. 				
VDOT	\$220000/yr					

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



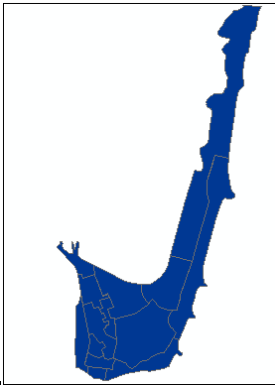

Purpose and Need

To improve safety of pedestrians, the physically disabled, and motorists, and to comply with ADA standards.

History and Current Status

Project defined and recommended in the roadway section of the Fort Monroe Infrastructure Condition Assessment Report prepared by Kimley-Horn and Associates dated June 2010.

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 1-005			Sign and Pavement Marking Replacement - Phase 2				
Project Type:			Parcelization District:				
Roadway			All				
Programmed Funding							
Status	Appropriated to	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
	Date		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
	\$ -	\$ -				\$ 150,000	\$ 150,000
Means of Funding			Description and Scope				
Funding Source		Amount	<p>1. Removal and replacement of all nonregulatory signs in poor condition and all regulatory or nonregulatory signs in fair condition per MUTCD design standards. Nonregulatory signs are classified as signs that do not give notice of traffic laws or regulations. Signs in good condition are not included in this project.</p> <p>2. Removal and replacement of pavement markings given a fair or good condition rating in the 2010 report, including street and parking lines, crosswalks, stop bars, directional arrows, and island markings.</p> <p>Project consists of the replacement of approximately 325 signs and 48,000 feet of pavement markings.</p>				
VDOT		\$150000/yr					
Schedule of Activities			<p>Project consists of the replacement of approximately 325 signs and 48,000 feet of pavement markings.</p>				
Project Activity	From - To	Amount					
Parcelization District Key			<p align="center">Purpose and Need</p> <p>To improve safety for pedestrians and motorists and to comply with MUTCD standards.</p>				
							
Project Map			<p align="center">History and Current Status</p> <p>Project defined and recommended in the roadway section of the Fort Monroe Infrastructure Condition Assessment Report prepared by Kimley-Horn and Associates dated June 2010.</p>				
							

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 1-007 **MARS Access Ramp Repair**

Project Type: Roadway **Parcelization District:** E

Programmed Funding

Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 131,600.00	\$ 131,600.00					

Means of Funding **Description and Scope**

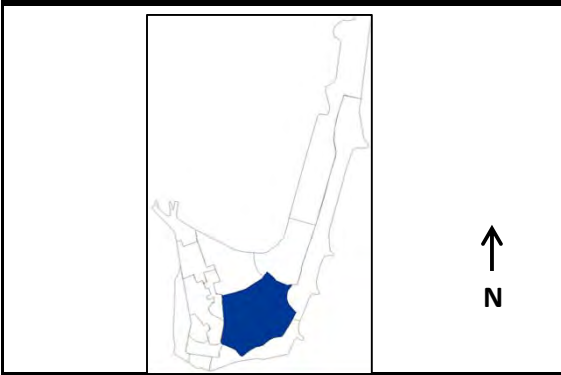
Funding Source	Amount
VPP	\$ 131,600

Remove asphalt pavement overlay on access ramp to MARS Tower due to failure of stone retaining structure and restore proper drainage. Investigate alternative resurfacing options.

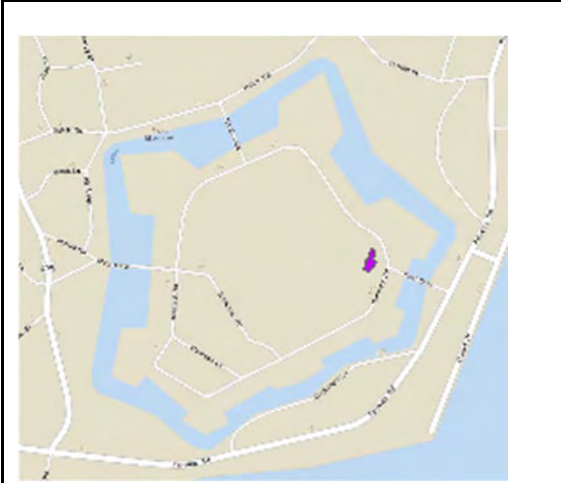
Schedule of Activities

Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

Current pavement is failing and in need of repair.

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 2-003 **Outer Moat Wall Repairs**

Project Type: Bridges **Parcelization District:** E

Programmed Funding

Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 50,000.00	\$ 50,000.00	\$ 500,000				

Means of Funding

Funding Source	Amount
VPP	\$ 550,000

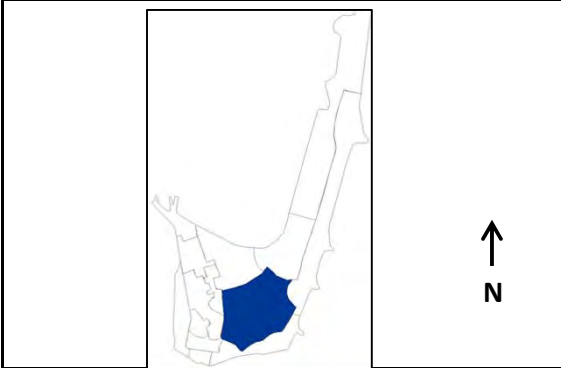
Description and Scope

Design and construct necessary repairs to the historic moated fortress walls

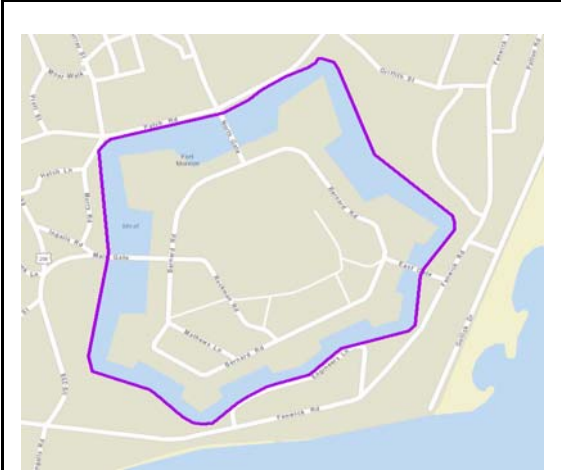
Schedule of Activities

Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

Current outer moat wall is damaged and in need of repair.

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 2-004 **Bridge Repairs**

Project Type: Bridges **Parcelization District:** E

Programmed Funding

Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 350,000.00	\$ 350,000.00					

Means of Funding

Funding Source	Amount
VDOT	\$ 350,000

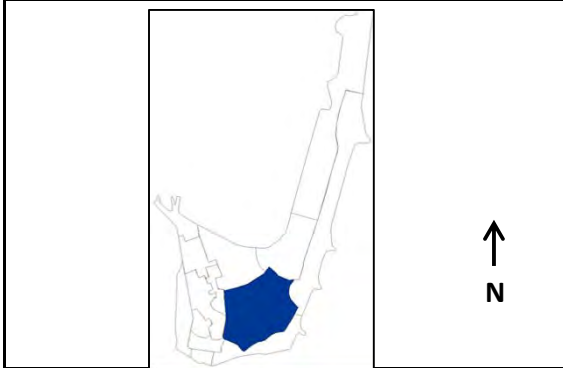
Description and Scope

Bridge maintenance repairs as outlined in the 2014 & 2015 bridge inspection reports.

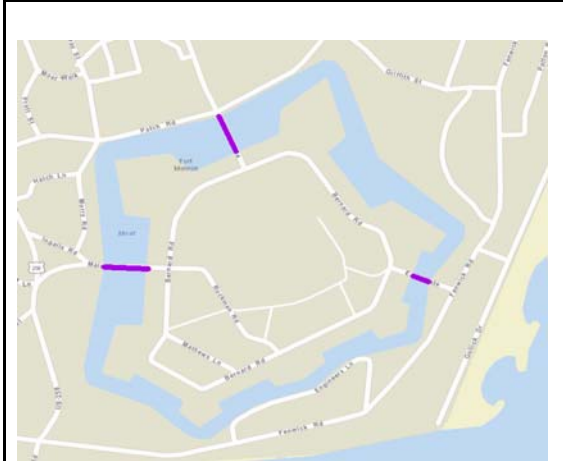
Schedule of Activities

Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

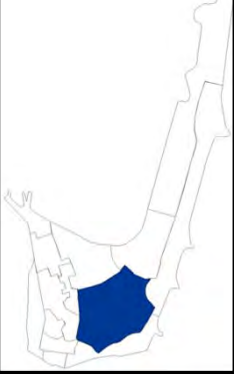


Bi-annual bridge inspection reports have identified various improvements and repairs required to meet VDOT and FHWA standards.

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 3-007			Mercury Boulevard Water Improvements				
Project Type:			Parcelization District:				
Water			N/A				
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 250,000.00	\$ 250,000.00	\$ 2,500,000				
Means of Funding			Description and Scope				
Funding Source		Amount	Replace approximately 1 mile of 14" water main and relocate the Fort Monroe master meter to the property entrance. Design in accordance with NNWW standards and line to be transferred to NNWW following construction.				
VPP		\$ 2,500,000					
Schedule of Activities							
Project Activity	From - To	Amount					
Parcelization District Key							
N/A							
Purpose and Need							
To replace one of the two water supply lines with historical break concerns.							
History and Current Status							
Project defined and recommended in the water section of the Fort Monroe Infrastructure Condition Assessment Report prepared by Kimley-Horn and Associates dated June 2010. Water main was repaired and partially replaced between 2004 and 2009.							
Project Map							

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 3-010			Main Gate Water Line Replacement				
Project Type:			Parcelization District:				
Water			E				
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 490,000.00	\$ 490,000.00					
Means of Funding			Description and Scope				
Funding Source		Amount	Replace 10" water main on Main Gate Bridge crossing with two 12" horizontally directional drilled mains in accordance with 2015 PER developed by Kimley-Horn.				
VPP		\$ 490,000					
Schedule of Activities							
Project Activity	From - To	Amount					
Parcelization District Key							
							
Purpose and Need							
In February 2015, the existing 10" water main serving the inner fortress broke in several places due to freezing conditions on the Main Gain Bridge. The water main has been isolated, however, the inner fortress lacks appropriate fire flow and pressure for adequate protection.							
Project Map							
							
							
History and Current Status							

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 4-003		Pump Station 184 & Force Main Replacement					
Project Type:		Parcelization District:					
Wastewater		C-2					
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
	\$ -	\$ -			\$ 250,000	\$ 2,500,000	

Means of Funding		Description and Scope
Funding Source	Amount	
VPP	\$ 2,750,000	

Replace sewer pump station #184, which includes installation of a SCADA system and by-pass pumping assembly.

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

To meet Department of Environmental Quality (DEQ) system reliability requirements, and improve wastewater system performance.

History and Current Status

Project defined and recommended in the wastewater section of the Fort Monroe Infrastructure Condition Assessment Report prepared by Kimley-Horn and Associates dated June 2010.

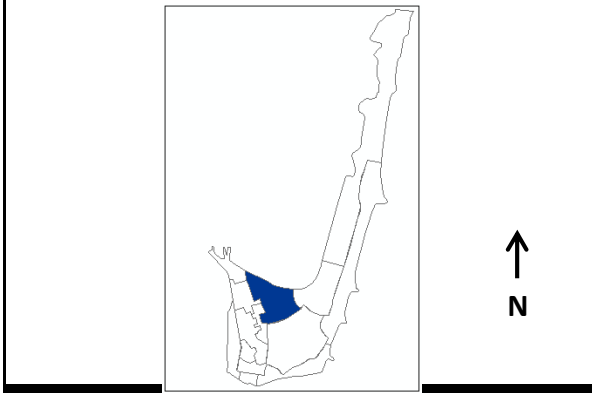
Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 4-004			Pump Station 58 & Force Main Replacement				
Project Type:			Parcelization District:				
Wastewater			C-1				
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
	\$ -	\$ -				\$ 200,000	\$ 2,000,000

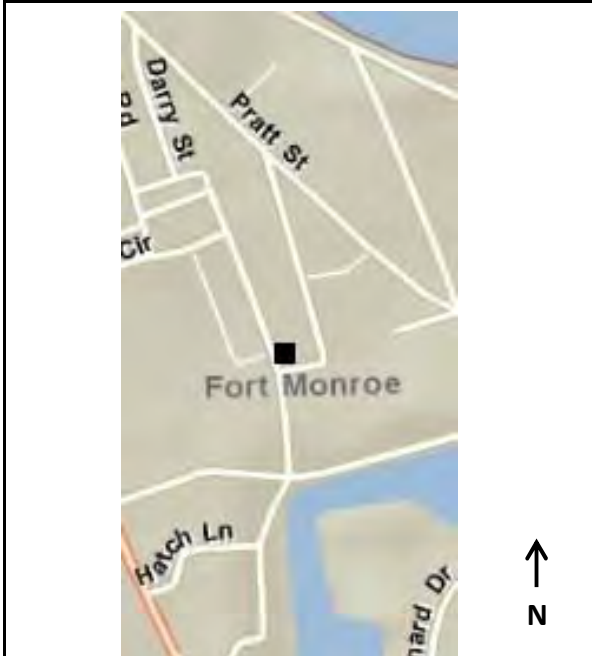
Means of Funding		Description and Scope				
Funding Source	Amount	Replace sewer pump station #58, which includes installation of a SCADA system and by-pass pumping assembly.				
VPP	\$ 2,200,000					

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

To meet Department of Environmental Quality (DEQ) system reliability requirements, and improve wastewater system performance.

History and Current Status

Project defined and recommended in the wastewater section of the Fort Monroe Infrastructure Condition Assessment Report prepared by Kimley-Horn and Associates dated June 2010.

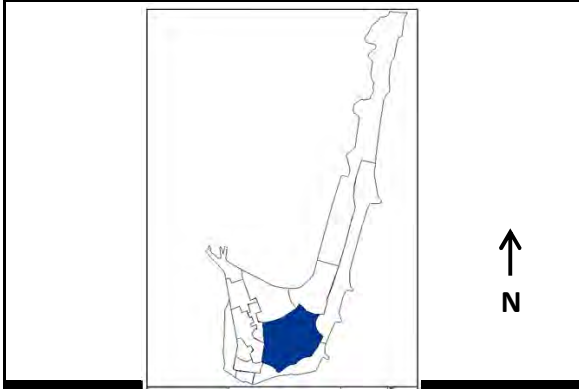
Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 4-006		Pump Station 256 & Force Main Replacement						
Project Type:		Parcelization District:						
Wastewater		E						
Programmed Funding								
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding					
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
	\$ -	\$ -		\$ 60,000	\$ 600,000			

Means of Funding		Description and Scope		
Funding Source	Amount	Replace sewer pump station #256.		
VPP	\$ 660,000			

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

To meet Department of Environmental Quality (DEQ) system reliability requirements, and improve wastewater system performance.

History and Current Status

Project defined and recommended in the wastewater section of the Fort Monroe Infrastructure Condition Assessment Report prepared by Kimley-Horn and Associates dated June 2010.

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 4-007			Sewer SSES Plan				
Project Type:			Parcelization District:				
Wastewater			All				
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 115,000.00	\$ 115,000.00					

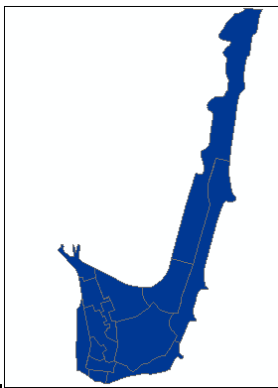
Means of Funding	
Funding Source	Amount
VPP	\$ 115,000

Description and Scope

Develop an SSES Plan in accordance with the Hampton Roads Regional Technical Standards. Information from the SSES plan will be used to develop a capital improvements plan for the sanitary sewer system to reduce inflow/infiltration and maximize hydraulic efficiency in the system.

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Purpose and Need

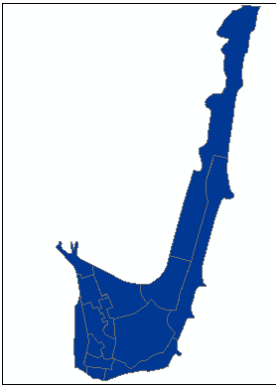

The FMA sewer system is currently in poor condition which results in significant inflow/infiltration. The FMA developed Utility Master Plans related to expected development on the property and would like to prioritize improvements based on SSES Plan recommendations.

Project Map



History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 4-008		Sump Pump Discharge Improvements				
Project Type:		Parcelization District:				
Wastewater		All				
Programmed Funding						
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding			
			FY 2017	FY 2018	FY 2019	FY 2020
Design	\$ 100,000.00	\$ 100,000.00	\$ 900,000			
Means of Funding			Description and Scope			
Funding Source		Amount	Develop construction documents and construct improvements to disconnect basement sump pump discharge piping from the sanitary sewer system to the storm drainage system.			
VPP		\$ 1,000,000				
Schedule of Activities						
Project Activity	From - To	Amount				
Parcelization District Key						
						
Project Map						
						
<p align="center">↑ N</p>						
Purpose and Need						
In order to reduce inflow into the sanitary sewer system, basement sump pumps should be connected to the storm drainage system.						
History and Current Status						

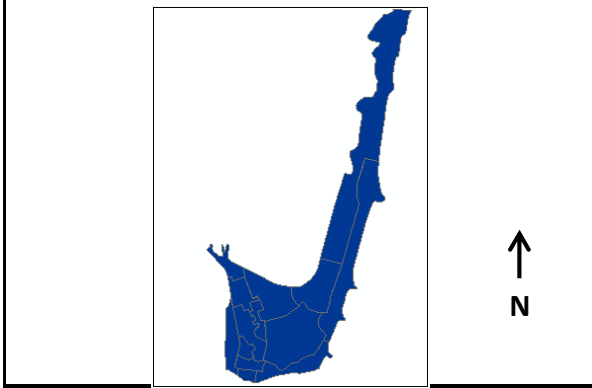
Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 6-001		Stormwater Outfall Backflow Preventers			
Project Type:		Parcelization District:			
Flood Protection/Coastal		All			
Programmed Funding					
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding		
			FY 2017	FY 2018	FY 2019
On Hold	\$ -		\$ 100,000	\$ 450,000	\$ 1,570,000

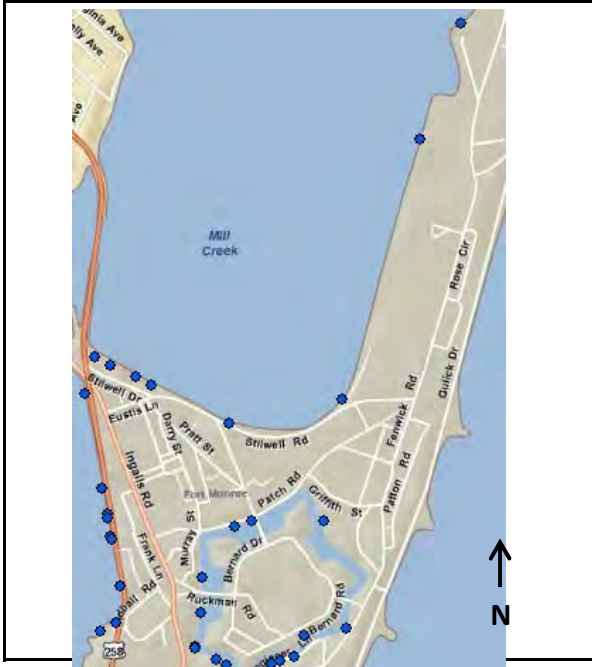
Means of Funding		Description and Scope		
Funding Source	Amount	Install backflow preventers on 31 stormwater outfalls.		
USACOE	\$ 1,590,000			
FMA	\$ 530,000			

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



Install backflow preventers on 31 stormwater outfalls.

Purpose and Need

To help protect Fort Monroe from back flooding through the storm drains during high tides and storm surges.

History and Current Status

The 2005 Flood Evaluation and Protection Study by the Army Corps of Engineers identified storm drains as a significant source of flooding at Fort Monroe during Hurricane Isabel in 2003. Many of the storm drain elevations are below the storm surge level experienced with coastal storms and provide conduits for flooding. Backflow preventers have been installed on a portion of the outfalls and 31 remain to be installed. Project also defined in the flood protection and insurance section of the Fort Monroe Reuse Plan Infrastructure and Flood Protection Report prepared by Kimley-Horn and Associates dated March 2009.

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 6-003 | **103 PMP Coastal Flood Study**

Project Type: | **Parcelization District:**

Flood Protection/Coastal | **A & B-3**

Programmed Funding

Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
On Hold	\$ -			\$ 476,000	\$ 1,300,000		

Means of Funding | **Description and Scope**

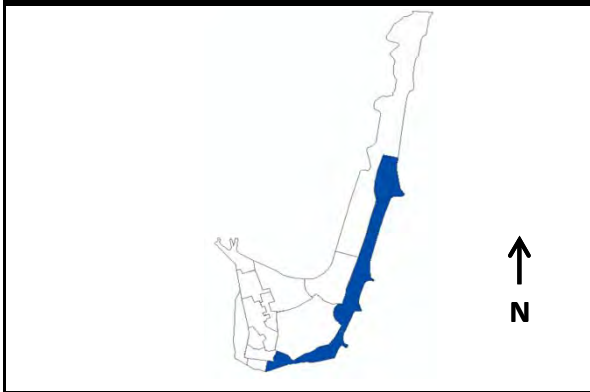
Funding Source	Amount
USACOE	\$ 1,332,000
FMA	\$ 444,000

USACOE grant funds to develop flood protection measures along the Chesapeake Bay portion of the property. The Flood Management Plan for this project will be created as part of the FMA's stormwater master plan under a separate task order.

Schedule of Activities

Project Activity	From - To	Amount

Parcelization District Key



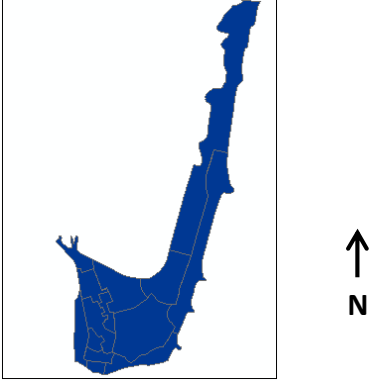

Project Map



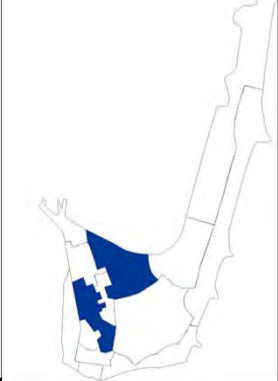

Purpose and Need

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 6-005			Stormwater Model & Master Plan				
Project Type:			Parcelization District:				
Flood Protection/Coastal			All				
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 150,000.00	\$ 150,000					
Means of Funding			Description and Scope				
Funding Source		Amount	Using existing GIS data and mapping, develop a stormwater model for the drainage system serving the property. Work will include validation of data and calibration of the model; development of various scenarios for improved system performance to reduce flooding during storm events, and recommendations for inclusion in the FMA's Capital Improvement Program. The recommendation and report will also include the required flood management plan as part of the Coastal PMP grant recieved from the USACOE.				
Schedule of Activities							
Project Activity	From - To	Amount					
Parcelization District Key			Purpose and Need				
							
Project Map			History and Current Status				
							

Fort Monroe Capital Improvement Plan - Fiscal Years 2012 through 2026

Project No.: 8-009		B100 Repairs (Bathroom Add/Renovations)				
Project Type:			Parcelization District:			
Building Maintenance			C-1 & B-5			
Programmed Funding						
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding			
			FY 2017	FY 2018	FY 2019	FY 2020
On Hold	\$ -			\$ 250,000		
Means of Funding			Description and Scope			
Funding Source		Amount	B100 Repairs: Janitor Room Floor Repair (\$12,225); Roof and Flashing Repairs (\$17,950); Exterior Wall Sealing / Flashing (\$35,500); Repaint Stair Standpipes (\$3,800); Exterior Repairs - Brick Walls & Wood Soffits (\$216,100); Exterior Repairs - Door Stoops, Window Sills, and Exterior Steps (\$41,125); Exterior Repairs - Copings (\$35,360); Interior Mold Remediation (\$5,450)			
DGS		\$ 250,000				
Schedule of Activities						
Project Activity	From - To	Amount				
Parcelization District Key						
			↑ N			
Project Map						
			↑ N			
Purpose and Need						
Improve building 100 for potential lease to commercial tenants.						
History and Current Status						
Comment: Although outside the scope of the current investigation, it was noticed that the floor in the entry vestibule outside the janitor's room is also sagging. It is recommended that this area be further examined as part of the repair project as it would be cost effective to include any repairs to this floor as part of the work to the janitor room floor.						

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 8-009A **HVAC Replacements (96, 7, 12, 134 and 201)**

Project Type: Building Maintenance **Parcelization District:** A, B-8, C-2 & E

Programmed Funding

Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Construction	\$ 875,000.00	\$ 875,000.00					

Means of Funding

Funding Source	Amount
DGS	\$ 875,000

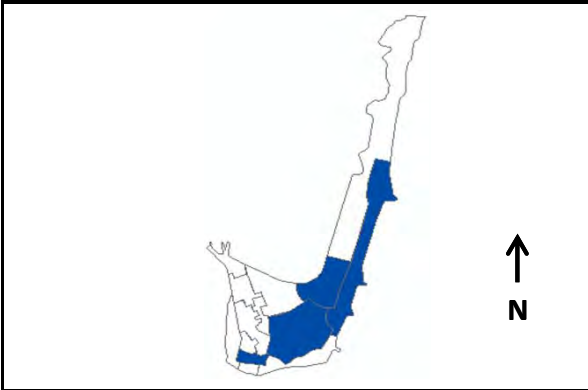
Description and Scope

Replace HVAC units on the following buildings as outlined in the 2014 Building Assessment Report - B7, B12, B96, B134 and B201

Schedule of Activities

Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

Refer to 2014 Building Assessment Report.

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 8-018		Replace Roof (7, 10, 24, 87, 117, 159)					
Project Type:		Parcelization District:					
Building Maintenance		B-7, B-9 & E					
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Construction	\$ 1,120,110.00	\$ 1,120,110.00					

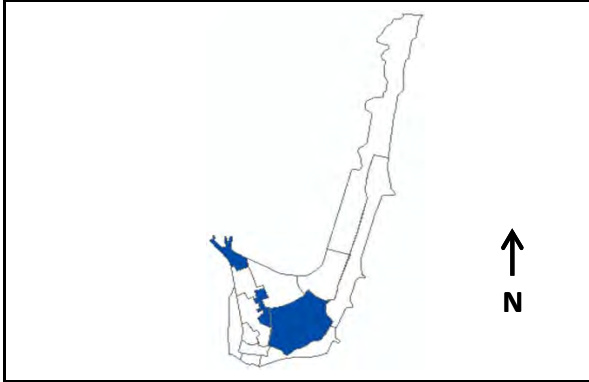
Means of Funding	
Funding Source	Amount
VPP	\$ 1,120,110

Description and Scope

Design and Replace the roofs on the following buildings as recommended by the 2015 Roof Assessment Study and OPCRES: B7, B10, B24, B87, B117, and B159.

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

Structural damage to the roof requiring replacement.

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

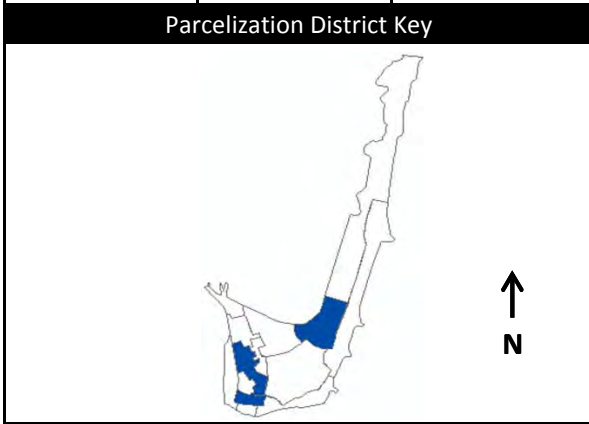
Project No.: 8-020		Replace Roof (B138, B161, B201, B218, B221, B27a)						
Project Type:		Parcelization District:						
Building Maintenance		B-5, B-8 & C-2						
Programmed Funding								
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding					
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
On Hold				\$ 1,055,146				

Means of Funding	
Funding Source	Amount
VPP	\$ 1,055,146

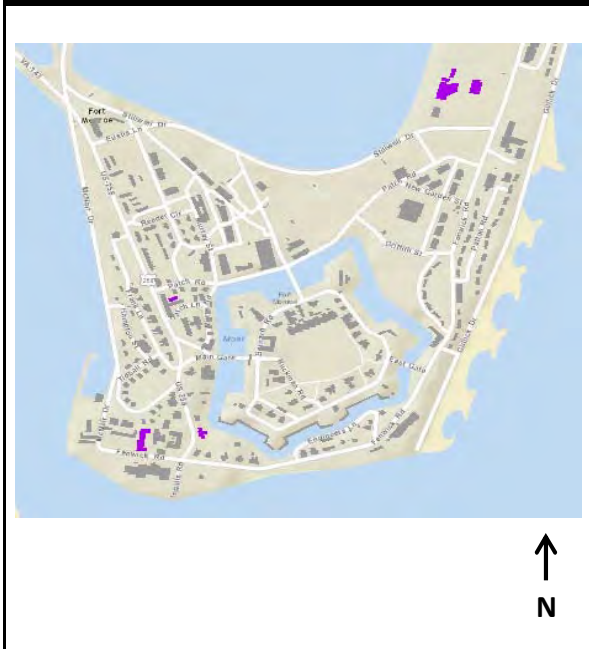
Description and Scope

Design and Replace the roofs on the following buildings as recommended by the 2015 Roof Assessment Study and OPCRES: B138, B161, B201, B218, B27a.

Schedule of Activities		
Project Activity	From - To	Amount



Project Map



Purpose and Need

Structural damage to the roof requiring replacement.

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

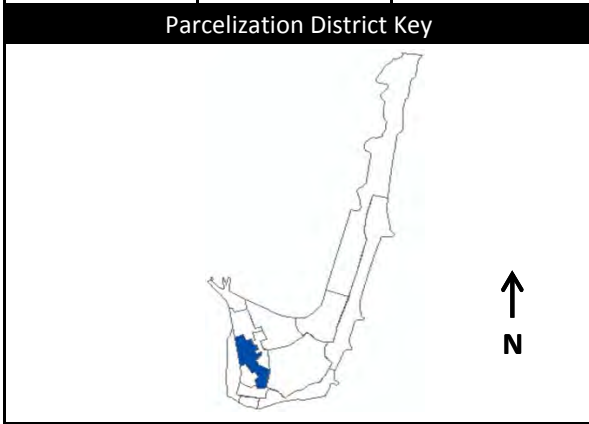
Project No.: 8-021		Replace Roof (B171)						
Project Type:		Parcelization District:						
Building Maintenance		B-5						
Programmed Funding								
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding					
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
					\$ 327,565			

Means of Funding	
Funding Source	Amount
VPP	\$ 327,565

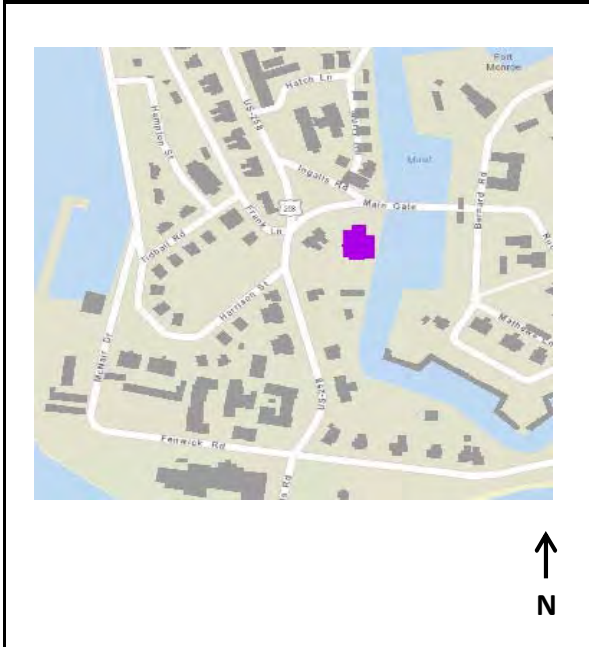
Description and Scope

Design and Replace the roofs on the following buildings as recommended by the 2015 Roof Assessment Study and OPCRES: B171.

Schedule of Activities		
Project Activity	From - To	Amount



Project Map



Purpose and Need

Structural damage to the roof requiring replacement.

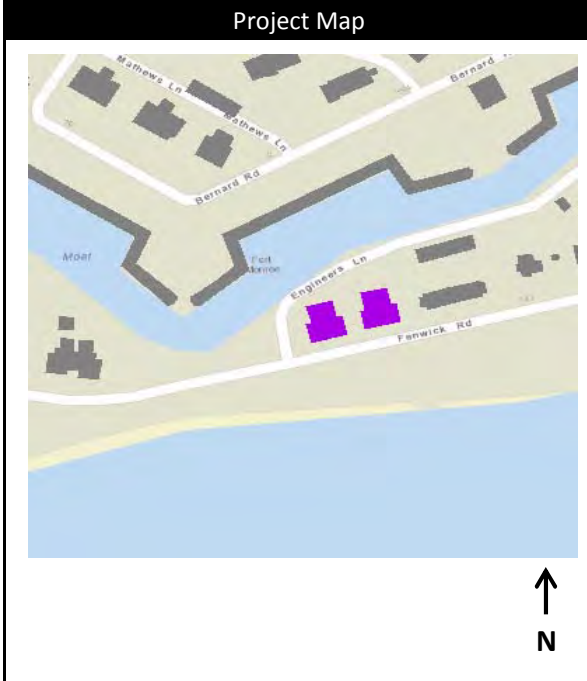
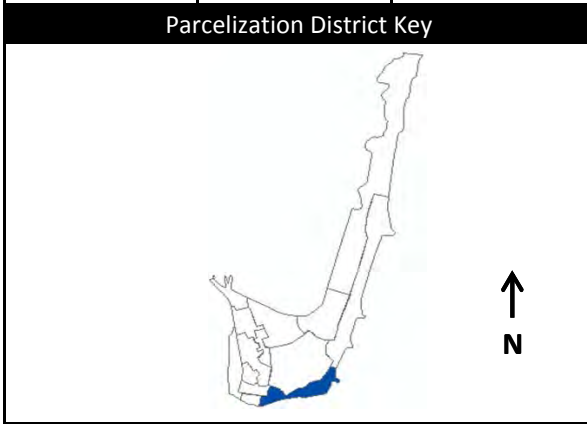
History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 8-022		B141/142 roof/railing replacements						
Project Type:		Parcelization District:						
Building Maintenance		B-3						
Programmed Funding								
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding					
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Design	\$ 60,000.00	\$ 60,000.00	\$ 325,000					

Means of Funding		Amount	Description and Scope
Funding Source			
DGS	\$	385,000	Replace railing and roof repairs for the following buildings as outlined in the 2015 Roof Assessment Report: B141 and B142

Schedule of Activities		
Project Activity	From - To	Amount



Description and Scope

Replace railing and roof repairs for the following buildings as outlined in the 2015 Roof Assessment Report: B141 and B142

Purpose and Need

Structural damage to the roof and railings requiring replacement.

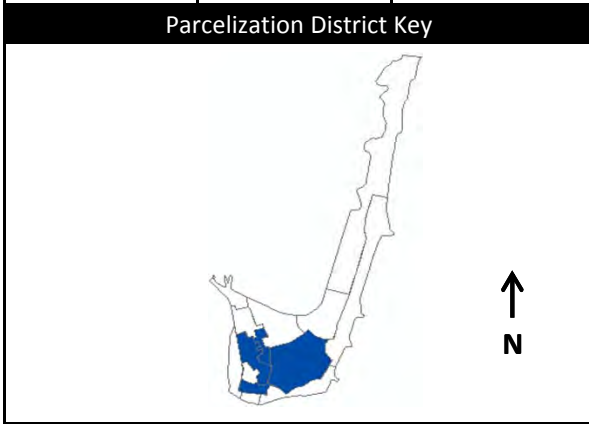
History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

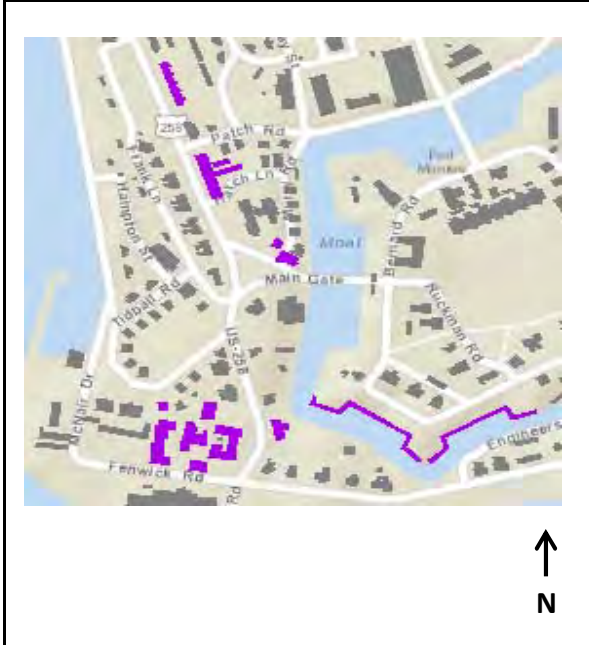
Project No.: 8-024		Building repairs for non-residential						
Project Type:		Parcelization District:						
Building Maintenance		B-5, B-8, B-9 & E						
Programmed Funding								
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding					
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
			\$ 300,000					

Means of Funding		Description and Scope		
Funding Source	Amount	Repairs to various commercial buildings as outlined in the 2014 Building Assessment Report. Buildings include 24, 77, 100, 27, 27a, 20, 21, 37, 116, 133, 134, 138, 161, and 163.		
VPP	\$ 300,000			

Schedule of Activities		
Project Activity	From - To	Amount



Project Map



Purpose and Need

Refer to 2014 Building Assessment Report.

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

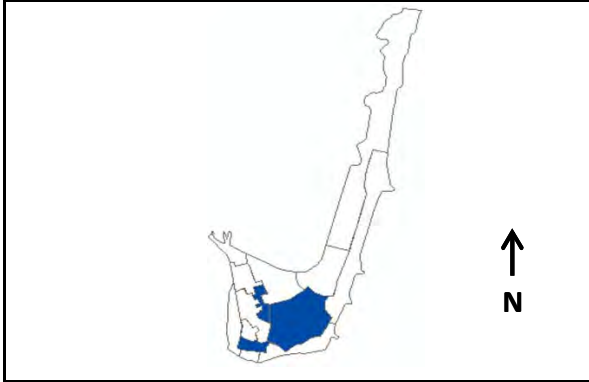
Project No.: 8-025		HVAC Repairs (24, 77, 20, 21,37,138)						
Project Type:		Parcelization District:						
Building Maintenance		B-8, B-9 & E						
Programmed Funding								
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding					
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Design			\$ 750,000					

Means of Funding	
Funding Source	Amount
VPP	\$ 750,000

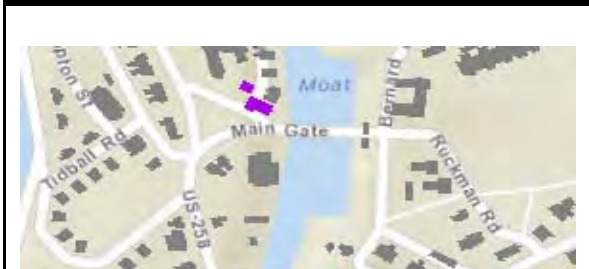
Description and Scope
 Replace HVAC units on the following buildings as outlined in the 2014 Building Assessment Report - B24, B77, B20, B21, B37 and B138.

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

Refer to 2014 Building Assessment Report.

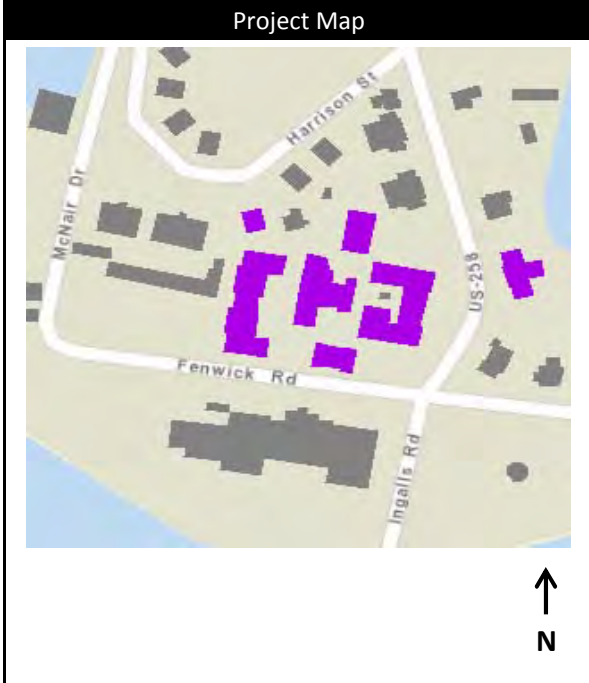
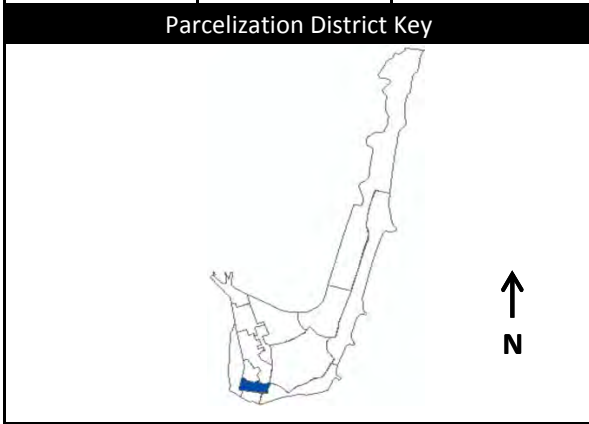
History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 8-026			Structural Repairs to Buildings				
Project Type:			Parcelization District:				
Building Maintenance			B-8				
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Design	\$ 218,000.00	\$ 218,000.00	\$ 2,178,200				

Means of Funding		Description and Scope					
Funding Source	Amount	Various Structural Repairs to buildings as outlined in the 2014 Building Assessment Report. Buildings include B37, B116, B133, B134, B138, B161, and B163.					
VPP	\$ 2,396,200						

Schedule of Activities		
Project Activity	From - To	Amount



Various Structural Repairs to buildings as outlined in the 2014 Building Assessment Report. Buildings include B37, B116, B133, B134, B138, B161, and B163.

Purpose and Need

Refer to 2014 Building Assessment Report.

History and Current Status

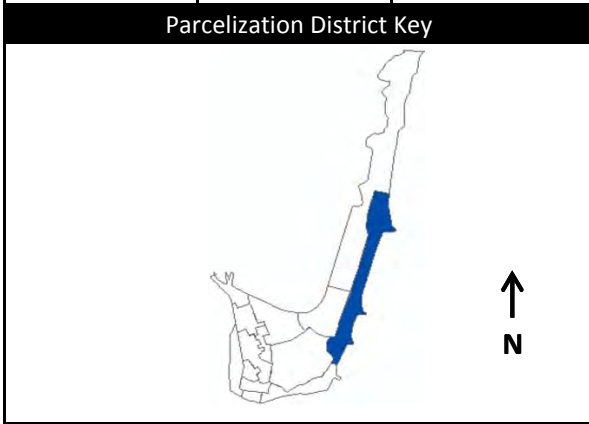
Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 8-027			Building 96 Roof Replacement				
Project Type:			Parcelization District:				
Building Maintenance			A				
Programmed Funding							
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
	\$ 400,000.00	\$ 400,000.00					

Means of Funding	
Funding Source	Amount
VPP	\$ 400,000

Description and Scope
 Replace roof and stack on Building 96 as outlined in the 2015 Roof Assessment Report.

Schedule of Activities		
Project Activity	From - To	Amount



Project Map



Purpose and Need

Refer to 2015 Roof assessment Report.

History and Current Status

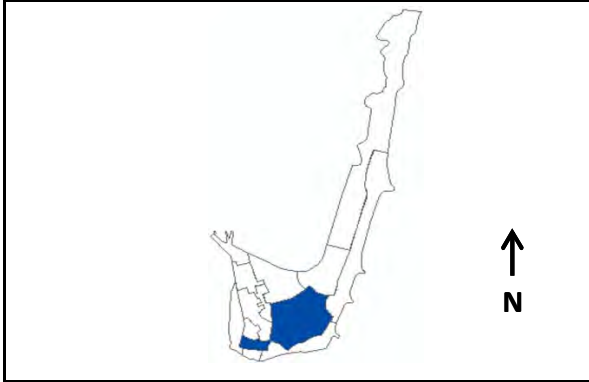
Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 8-028		Replace Roof (B105, B116, B134)						
Project Type:		Parcelization District:						
Building Maintenance		B-8 & E						
Programmed Funding								
Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding					
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
							\$ 311,395	

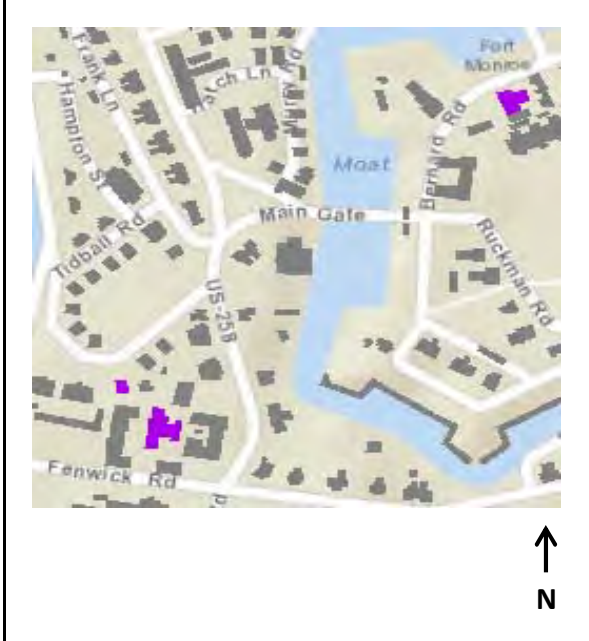
Means of Funding		Description and Scope		
Funding Source	Amount	Replace roof on Buildings 105, 116 and 134 as outlined in the 2015 Roof Assessment Report.		
VPP	\$ 311,395			

Schedule of Activities		
Project Activity	From - To	Amount

Parcelization District Key



Project Map



Replace roof on Buildings 105, 116 and 134 as outlined in the 2015 Roof Assessment Report.

Purpose and Need

Refer to 2015 Roof Assessment Report

History and Current Status

Fort Monroe Capital Improvement Plan - Fiscal Years 2016 through 2021

Project No.: 8-029 **Building Exterior Stair/Ladder Assessment**

Project Type: Building Maintenance **Parcelization District:** All

Building Maintenance **All**

Programmed Funding

Status	Appropriated to Date	FY 2016 Budget	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
	\$75,000	\$75,000					

Means of Funding

Funding Source	Amount
VPP	\$ 75,000

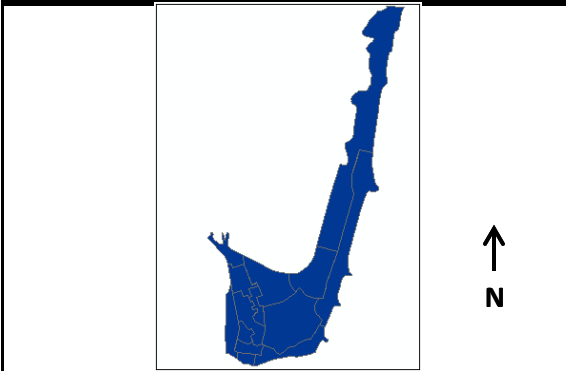
Description and Scope

Perform a condition assessment of all building exterior stairways and ladders and prepare a report recommending repair or removal according to applicable building and fire codes.

Schedule of Activities

Project Activity	From - To	Amount

Parcelization District Key



Project Map



Purpose and Need

To reduce liability of existing stair/ladder systems

History and Current Status