

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35031802
Project Name: Forcemain Fleming Key
Location: Fleming Key Bridge
Department: Utilities - Sewer
Account No: 401-3503-535-6500

Date: 05/07/25
Contact: M Willman
Project Start: 11/01/17
Project Complete: 09/30/27
Project Estimate: \$ 11,306,780
Project Funding to Date: \$ 10,381,977

Project Description/Justification:

This project relocates the influent force main over the Fleming Key bridge to under the bridge to mitigate the risk of a broken main if damage were to occur to the bridge in hurricane like events or boat strikes.

Reasons for Funding Modification (if applicable):

Expected deliver of \$5.8M in HMGP funding for Phase 2

Operating Impact:

Related Projects:

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Project Phase Summary

Phase	Committed To	FY 25/26	FY 26/27	FY 27/28	FY 27/29	FY 29/30	
Design	\$ 1,200,000						
Construction	\$ -	\$ 9,181,977	\$ 924,803				
Total	\$ 1,200,000	\$ 9,181,977	\$ 924,803	\$ -	\$ -	\$ -	\$ 11,306,780

Funding Source Summary

Phase	Committed To	FY 25/26	FY 26/27	FY 27/28	FY 27/29	FY 29/30	
Sewer	\$ 995,083		\$ 924,803				
Navy	\$ 74,899						
CDBG	\$ 3,563,054						
HMGP	\$ 5,748,941						
Total	\$ 10,381,977	\$ -	\$ 924,803	\$ -	\$ -	\$ -	\$ 11,306,780

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No:	SE35032203
Project Name:	Pump Station G Upgrades
Location:	Sewer Collections
Department:	401 Sewer
Account No:	401-3503-535-6500

Date:	<u>05/07/25</u>
Contact:	<u>M Willman</u>
Project Start:	<u>10/01/22</u>
Project Complete:	<u>06/30/25</u>
Project Estimate:	<u>\$ 2,846,906</u>
Project Funding to Date:	<u>\$ 2,846,906</u>

Project Description/Justification:

Upgrades to Pump Station G to be compliant with current codes and regulations.

Reasons for Funding Modification (if applicable):

Operating Impact:

Related Projects:

Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 168,288						
Construction	\$ 2,639,000						
Permitting	\$ 39,618						
Total	\$ 2,846,906	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,846,906

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Sewer	\$ 2,647,623	\$ -					
Navy	\$ 199,283	\$ -					
Total	\$ 2,846,906	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,846,906

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35032301
Project Name: Pump Station R Upgrades
Location: Sewer Collections
Department: 401 Sewer
Account No: 401-3503-535-6500

Date: 05/07/25
Contact: M Willman
Project Start: 10/01/22
Project Complete: 09/30/26
Project Estimate: \$ 3,240,000
Project Funding to Date: \$ 3,240,000

Project Description/Justification:

Upgrades to Pump Station R to be compliant with current codes and regulations. Rehabilitate control panel and appurtenances.

Reasons for Funding Modification (if applicable):

Operating Impact:

Related Projects:

Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 240,000						
Construction		\$ 3,000,000					
Total	\$ 240,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ 3,240,000

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Sewer	\$ 3,013,200						
Navy	\$ 226,800						
Total	\$ 3,240,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,240,000

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No:	SE35032303
Project Name:	Sanitary Sewer Master Plan
Location:	Sewer Collections
Department:	401 Sewer
Account No:	401-3503-535-6500

Date:	<u>05/07/25</u>
Contact:	<u>M Willman</u>
Project Start:	<u>10/01/22</u>
Project Complete:	<u>09/30/26</u>
Project Estimate:	<u>\$ 350,000</u>
Project Funding to Date:	<u>\$ 350,000</u>

Project Description/Justification:

Development of a Sanitary Sewer Master Plan. The plan will produce a multi-year capital improvement plan that prioritizes projects based on established criteria. The plan is expected to an important tool to analyze and develop projects to mitigate issues such as inflow and infiltration in addition to planned upgrades and replacements of critical infrastructure. The plan will also help staff develop multi-year budgets to help better forecast changes in rates and evaluate alternate funding options.

Reasons for Funding Modification (if applicable):

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Operating Impact:

Related Projects:

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Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 350,000						
Construction							
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Sewer	\$ 325,500						
Navy	\$ 24,500						
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35032304
Project Name: Pump Station A Upgrades
Location: Sewer Collections
Department: 401 Sewer
Account No: 401-3503-535-6500

Date: 04/05/25
Contact: M. Willman
Project Start: 10/01/22
Project Complete: 09/30/26
Project Estimate: \$ 2,300,000
Project Funding to Date: \$ 600,000

Project Description/Justification:

Upgrades to Pump Station A to be compliant with current codes and regulations.

Reasons for Funding Modification (if applicable):

Operating Impact:

Related Projects:

Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 100,000	\$ 500,000					
Construction	\$ -			\$ 1,700,000			
Total	\$ 100,000	\$ 500,000	\$ -	\$ 1,700,000	\$ -	\$ -	\$ 2,300,000

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Sewer	\$ 558,000			\$ 1,581,000			
Navy	\$ 42,000			\$ 119,000			
Total	\$ 600,000	\$ -	\$ -	\$ 1,700,000	\$ -	\$ -	\$ 2,300,000

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No:	SE35032401
Project Name:	Pump Station F Grinder
Location:	Sewer Collections
Department:	401 Sewer
Account No:	401-3503-535-6500

Date:	05/07/25
Contact:	M Willman
Project Start:	10/01/22
Project Complete:	09/30/25
Project Estimate:	\$ 1,054,048
Project Funding to Date:	\$ 1,054,048

Project Description/Justification:

Installation of a grinder at Pump Station F. The station has been plagued by clogging due to rags and other materials entering the sewer system from users. Clogging can lead to overflows and the grinder will macerate solids before entering the pump station.

Reasons for Funding Modification (if applicable):

Jacobs estimate 10/4/2024 \$617,666.00

Operating Impact:

Related Projects:

Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 128,498						
Construction		\$ 925,550					
Total	\$ 128,498	\$ 925,550	\$ -	\$ -	\$ -	\$ -	\$ 1,054,048

Funding Source Summary

Phase	Committed	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	
Sewer	\$ 980,265						
Navy	\$ 73,783						
Total	\$ 1,054,048	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,054,048

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No:	SE35042002
Project Name:	WWTP Switchgear
Location:	WWTP
Department:	401 Sewer
Account No:	401-3504-535-6500

Date:	05/07/25
Contact:	M Willman
Project Start:	10/01/22
Project Complete:	09/30/26
Project Estimate:	\$ 3,139,650
Project Funding to Date:	\$ 3,139,650

Project Description/Justification:

Replacement of WWTP switchgear which is a critical component in transferring power supply from the generator. The existing switchgear is over 30 years old and needs to be upgraded to be compatible with other components being installed with the system.

Reasons for Funding Modification (if applicable):

Construction PO was about \$100k higher than the budgeted amount. Staff anticipates an additional \$400k change order due to unforeseen conditions related to the existing electrical layout not matching the record drawings.

Operating Impact:

Related Projects:

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Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 228,650						
Construction	\$ 2,911,000						
Total	\$ 3,139,650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,139,650

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30
Sewer	\$ 2,417,531	\$ -				
Navy	\$ 722,120	\$ -				
Total	\$ 3,139,650	\$ -	\$ -	\$ -	\$ -	\$ -

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35042101
Project Name: SCADA Upgrades
Location: WWTP
Department: 401 Sewer
Account No: 401-3504-535-6500

Date: 05/07/25
Contact: M Willman
Project Start: 10/01/20
Project Complete: 09/30/25
Project Estimate: \$ 171,000
Project Funding to Date: \$ 100,000

Project Description/Justification:

Supervisory Control and Data Acquisition is computer system that gathers and analyzes data in real time. This is how the various probes, meters, pumps, and controls talk to each other and send information to plant operators. The system needs considerable updates and additions to keep the plant data current.

Reasons for Funding Modification (if applicable):

Operating Impact:

Related Projects:

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Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design							
Construction	\$ 100,000	\$ 71,000					
Total	\$ 100,000	\$ 71,000	\$ -	\$ -	\$ -	\$ -	\$ 171,000

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Sewer	\$ 77,000	\$ 54,670					
Navy	\$ 23,000	\$ 16,330					
Total	\$ 100,000	\$ 71,000	\$ -	\$ -	\$ -	\$ -	\$ 171,000

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35042102
Project Name: RAS WAS Pump and Valve Replacement
Location: WWTP
Department: 401 Sewer
Account No: 401-3504-535-6500

	05/07/25
Contact:	M Willman
Project Start:	10/01/20
Project Complete:	09/30/25
Project Estimate:	\$ 3,746,850
Project Funding to Date:	\$ 3,746,850

Project Description/Justification:

Replace the Return Activated Sludge and Waste Activated Sludge pumps and valves which are original to the plant and over 20 years old. They are passed their useful life.

Reasons for Funding Modification (if applicable):

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Operating Impact:

Related Projects:

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Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 146,850						
Construction	\$ 3,600,000						
Total	\$ 3,746,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,746,850

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Sewer	\$ 2,885,075						
Navy	\$ 861,776						
Total	\$ 3,746,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,746,850

Funding Source Summary

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35042301
Project Name: Deep Well Valve Replacement
Location: WWTP
Department: 401 Sewer
Account No: 401-3504-535-6500

Date: 05/07/25
Contact: M Willman
Project Start: 10/01/22
Project Complete: 09/30/25
Project Estimate: \$ 628,050
Project Funding to Date: \$ 628,050

Project Description/Justification:

Replacement of one deep injection well valve. The existing valve is approaching the end of its useful life.

Reasons for Funding Modification (if applicable):

Additional funding for installation costs.

Operating Impact:

Related Projects:

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Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 122,650						
Construction		\$ 505,400					
Total	\$ 122,650	\$ 505,400	\$ -	\$ -	\$ -	\$ -	\$ 628,050

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Sewer	\$ 483,599						
Navy	\$ 144,452						
Total	\$ 628,050		\$ -	\$ -	\$ -	\$ -	\$ 628,050

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35042401
Project Name: WWTP Resilience Plan
Location: WWTP
Department: Utilities
Account No: 401-3504-535-6500

Date: 05/07/25
Contact: M Willman
Project Start: 10/01/23
Project Complete: 12/30/25
Project Estimate: \$ 400,000
Project Funding to Date: \$ 449,000

Project Description/Justification:

Planning study to recommend hardening solutions for the WWTP against sea level rise. The study will include a feasibility study for a waste to energy plant that would convert the sludge solids into energy via anaerobic digestion. The energy would power the WWTP. The cost of the study is expected to be reimbursed through a Navy resilience grant.

Reasons for Funding Modification (if applicable):

Operating Impact:

Related Projects:

Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Planning	\$ 400,000						
Total	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
401	\$ 49,000						
Navy Grant	\$ 400,000						
Total	\$ 449,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 449,000

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35042402
Project Name: Asset Management Plan
Location: WWTP
Department: Utilities
Account No: 401-3504-535-6500

Date: 05/07/25
Contact: M Willman
Project Start: 10/01/23
Project Complete: 09/30/26
Project Estimate: \$ 200,000
Project Funding to Date: \$ 200,000

Project Description/Justification:

Develop an asset management plan for the wastewater treatment plant. The asset management plan will identify schedules for preventative maintenance, rehabilitation and replacement. The schedules will inform our capital improvement program for futures years and will help staff budget for larger expenditures. This will be used for the Condition Assessment, 5/7/25

Reasons for Funding Modification (if applicable):

Operating Impact:

Related Projects:

Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Planning	\$ 200,000						
Total	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
401	\$ 200,000						
Total	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000

CITY OF KEY WEST
FY 25/26 CIP PROJECT DETAIL

Project No: SE35042501
Project Name: WWTP New Effluent Pump
Location: WWTP
Department: Utilities
Account No: 401-3504-535-6500

Date: 05/07/25
Contact: M Willman
Project Start: 10/01/23
Project Complete: 03/01/26
Project Estimate: \$ 2,200,000
Project Funding to Date: \$ 200,000

Project Description/Justification:

Design and construction of new effluent pump. The existing pump is nearing the end of its useful life.

Reasons for Funding Modification (if applicable):

Operating Impact:

Related Projects:

Project Phase Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
Design	\$ 200,000						
Construction			\$ 2,000,000				
Total	\$ 200,000	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,200,000

Funding Source Summary

Phase	Committed	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
401	\$ 154,000		\$ 1,540,000				
Navy	\$ 46,000		\$ 460,000				
Total	\$ 200,000	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,200,000