

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE0901
Project Name: N ROOSEVELT FORCE MAIN
Location: N ROOSEVELT/GEORGE & 14TH
Department: SEWER
Account No: 401-3503-535-65-00

Date: _____
Contact: _____
Project Start: 10/01/08
Project Complete: 09/30/14
Project Estimate: \$ 4,413,271
Project Funding to Date: \$ 4,413,271
Anticipate Carry Forward FY: 2016
Yes/No: YES

Project Description/Justification:

By utilizing an abandoned 30" effluent pipeline, the City can connect Pump Station D/DA with the Wastewater Treatment Plant and increase wastewater capacity at the treatment plant on Fleming Key.

Reasons for Modification:

Assumption that Deferred Payment Agreement with FDOT will be paid off before the end of FY 2013. Remaining costs are CEI.

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design	197,273						
Construction	4,170,906						
Total	\$ 4,368,179	\$ 0	\$ 4,413,271				

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 4,130,449						
Navy Share	\$ 282,822						
Total	\$ 4,413,271	\$ 0	\$ 4,413,271				

Carry Forward \$ 45,092

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1002
Project Name: FLEMING KEY PIPE BRIDGE REPAIR
Location: FLEMING KEY PIPE BRIDGE/WWTP
Department: SEWER
Account No: 401-3503-535-65-00

Date: 06/01/15
Contact:
Project Start: 01/01/09
Project Complete: 09/30/16
Project Estimate: \$386,000.00
Project Funding to Date: \$386,000.00
Anticipate Carry Forward FY: 0
Yes/No:

Project Description/Justification:

Structural repair to the Fleming Key Pipe Bridge - project postponed from FY09/10

Reasons for Modification:

Upon analysis, only one piling is in need of repair

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY15/16	FY16/17	FY 17/18	FY 18/19	FY 19/20	
Design	60,807						
Construction							
Total	60,807	0	0	0	0	0	386,000

Funding Source Summary

Phase	Funded To Date	FY15/16	FY16/17	FY 17/18	FY 18/19	FY 19/20	
Sewer Fund	84,176						
Navy Share	17,250						
Grant	284,574						
Total	386,000	0	0	0	0	0	386,000

Carry Forward 325,193

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1101
Project Name: CAPACITY EXPANSION = PUMP STATION F
Location: GLYNN ARCHER DRIVE
Department: SEWER
Account No: 401-3503-535-65-00

Date: _____
Contact: _____
Project Start: 10/01/09
Project Complete: 09/30/15
Project Estimate: \$ 2,778,167
Project Funding to Date: \$ 2,778,167
Anticipate Carry Forward FY: 2016
Yes/No: YES

Project Description/Justification:

Increase size of force main down Glynn Archer Dr. between Pump Station F at Flagler Ave. and North Roosevelt. Increase pump station capacity by upsizing pumps and generator.

Reasons for Modification:

Revised based on schedule from North Roosevelt Project. Increased cost 3% for CPI

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design	202,151						
Construction	821,862						
Total	\$ 1,024,013	\$ 0	\$ 2,778,167				

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 2,050,182						
Navy Share	\$ 154,314						
Army Corp of Eng	\$ 573,671						
Total	\$ 2,778,167	\$ 0	\$ 2,778,167				

Carry Forward \$ 1,754,154

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1301
Project Name: SEWER LIFT STATION VFD
Location: LIFT STATIONS A,B,C,D & DS
Department: SEWER
Account No: 401-3503-535-65-00

Date: _____
Contact: _____
Project Start: 10/01/12
Project Complete: 09/30/15
Project Estimate: \$ 4,579,087
Project Funding to Date: \$ 4,579,087
Anticipate Carry Forward FY: 2016
Yes/No: YES

Project Description/Justification:

Install a VFD on the City's five biggest sewer lift stations. This project is from the City's Climate Action Plan, previously described as a "symphony" project. Project will prevent wear and tear of pump equipment.

Reasons for Modification:

Cost Increased for CPI

Operating Impact

Anticipate energy cost savings associated with pumping.

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design	159,643						
Construction							
Total	\$ 159,643	\$ 0	\$ 4,579,087				

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/16	FY 18/19	FY 19/20	
Sewer Fund	\$ 3,120,673						
Navy Share	\$ 91,000						
Grant	\$ 1,367,414						
Total	\$ 4,579,087	\$ 0	\$ 4,579,087				

Carry Forward \$ 4,419,444

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1401
Project Name: CONCRETE REPAIR AT WWTP
Location: WWTP
Department: SEWER
Account No: 401-3503-535-65-00

Date: _____
Contact: _____
Project Start: 07/01/13
Project Complete: _____
Project Estimate: \$ 2,948,012
Project Funding to Date: \$ 2,848,012
Anticipate Carry Forward FY: 2016
Yes/No: YES

Project Description/Justification:

There are several areas of failing concrete at the WWTP. These include an area near the clarifiers, the utilidor, and the lower floor of the solids building. We are currently having them analyzed.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design			\$ 100,000				
Construction	90,573						
Total	\$ 90,573	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 2,948,013

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 117,031		\$ 77,000				
Navy Share	\$ 34,957		\$ 23,000				
State Grant							
	\$ 2,696,024						
Total	\$ 2,848,012	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 2,948,012

Carry Forward \$ 2,757,440

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1402
Project Name: ROOF REPAIR AT WWTP
Location: WWTP
Department: SEWER
Account No: 401-3503-535-65-00

Date: _____
Contact: _____
Project Start: 10/01/13
Project Complete: _____
Project Estimate: \$ 390,000
Project Funding to Date: \$ 390,000
Anticipate Carry Forward FY: 2016
Yes/No: YES

Project Description/Justification:

The WWTP has a section of roof in the Operations Building that is leaking. This section was not repaired in the larger roof project after Hurricane Wilma.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design	20,784						
Construction	914						
Construction Mgt							
Total	\$ 21,698	\$ 0	\$ 390,000				

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Funds	\$ 300,300						
Navy	\$ 89,700						
Total	\$ 390,000	\$ 0	\$ 390,000				

Carry Forward \$ 368,302

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1501
Project Name: PUMP STATION FENCE REPLACEMENT
Location: MISC PUMP STATIONS
Department: SEWER
Account No: 401-3503-535-65-00

Date: _____
Contact: _____
Project Start: 10/01/14
Project Complete: 09/30/15
Project Estimate: \$ 340,000
Project Funding to Date: \$ 340,000
Anticipate Carry Forward FY: 2016
Yes/No: NO

Project Description/Justification:

Many sewer lift stations in the City have older chain link fencing surrounding the sites. We are seeking to improve the appearance of our lift station sites by upgrading to the fencing to the black aluminum material that is common place in all our newer projects.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design							
Construction							
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 340,000

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Funds	\$ 316,200						
Navy Share	\$ 23,800						
Total	\$ 340,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 340,000

Carry Forward \$ 340,000

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1502
Project Name: MALLORY SQUARE SEWER IMPROVEMENTS
Location: MALLORY SQUARE
Department: SEWER
Account No: 401-3503-535.65-00

Date: _____
Contact: _____
Project Start: 10/01/14
Project Complete: 09/30/15
Project Estimate: \$ 75,000
Project Funding to Date: \$ 75,000
Anticipate Carry Forward FY: 2016
Yes/No: NO

Project Description/Justification:

The Mallory Square sewer collection system is undersized and the City has had several incidents where sewer flow has exceeded capacity. Therefore seek to upsize the system and increase the size of the lift station at this busy tourist area.

Reasons for Modification:

Changed Project estimate for \$400,000 to \$75,000

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design							
Construction							
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,000

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 69,750						
Navy Share	\$ 5,250						
Total	\$ 75,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,000

Carry Forward \$ 75,000

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1503
Project Name: IN LINE NITROGEN & PHOSPHORUS MONITC
Location: WWTP
Department: SEWER
Account No: 401-3503-535.65-00

Date: _____
Contact: _____
Project Start: 10/01/14
Project Complete: 09/30/15
Project Estimate: \$ 500,000
Project Funding to Date: \$ 250,000
Anticipate Carry Forward FY: 2016
Yes/No: NO

Project Description/Justification:

This equipment would improve the City's ability to monitor the nitrogen & phosphorus levels at the WWTP. Nitrogen levels, while acceptable, were something that our operations analysis during the FDEP permitting process identified for improvement. The City's phosphorus monitoring equipment was quite antiquated & hasn't been able to be used for some time.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design							
Construction		250,000					
Total	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 500,000

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 192,500	\$ 192,500					
Navy Share	\$ 57,500	\$ 57,500					
Total	\$ 250,000	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 500,000

Carry Forward \$ 250,000

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1504
Project Name: LIFT STATION CONCRETE & EQUIPMENT RE
Location: VARIOUS LIFT STATION
Department: SEWER
Account No: 401-3503-535.65-00

Date: _____
Contact: _____
Project Start: 10/01/14
Project Complete: 09/30/16
Project Estimate: \$ 1,150,000
Project Funding to Date: \$ 150,000
Anticipate Carry Forward FY: 2016
Yes/No: NO

Project Description/Justification:

The wells at many of the sewer lift stations around the City are in need of analysis for possible repair. Additionally, there are other equipment issues at the lift stations that should be addressed. This project will analyze conditions, and propose improvement for each locale.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design							
Construction			\$ 1,000,000				
Total	\$ 0	\$ 0	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 1,150,000

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 139,500		\$ 930,000				
Navy Share	\$ 10,500		\$ 70,000				
Total	\$ 150,000	\$ 0	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 1,150,000

Carry Forward \$ 150,000

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1505
Project Name: TRUMAN WATERFRONT SEWER SYSTEM
Location: TRUMAN WATERFRONT
Department: SEWER
Account No: 401-3503-535.65-00

Date: _____
Contact: _____
Project Start: 10/01/14
Project Complete: 09/30/16
Project Estimate: \$ 2,000,000
Project Funding to Date: \$ 1,000,000
Anticipate Carry Forward FY: 2016
Yes/No: NO

Project Description/Justification:

The Truman Waterfront sewer system needs to be completely re-built prior to the construction of any new development on site. This includes sewer lift stations and a new collection system.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design							
Construction		1,000,000					
Total	\$ 0	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,000,000

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 930,000	\$ 930,000					
Navy Share	\$ 70,000	\$ 70,000					
Total	\$ 1,000,000	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,000,000

Carry Forward \$ 1,000,000

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: SE1506
Project Name: 2 FORCE MAIN REPAIRS AT BRIDGE CROSSI
Location: WWTP
Department: SEWER
Account No: 401-3503-535.65-00

Date: _____
Contact: _____
Project Start: 10/01/14
Project Complete: 09/30/15
Project Estimate: \$ 400,000
Project Funding to Date: \$ 400,000
Anticipate Carry Forward FY: 2016
Yes/No: NO

Project Description/Justification:

The Truman Waterfront sewer system needs to be completely re-built prior to the construction of any new development on site. This includes sewer lift stations and a new collection system.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Design							
Construction							
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

Funding Source Summary

Phase	Funded To Date	FY 15/16	FY16/17	FY17/18	FY 18/19	FY 19/20	
Sewer Fund	\$ 308,000						
Navy Share	\$ 92,000						
Total	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

Carry Forward \$ 400,000

**CITY OF KEY WEST
CIP PROJECT DETAIL**

Project No: TBD
Project Name: Metal Building WWTP
Location: WWTP - Fleming Key
Department: Utilities
Account No: 401.3503.535.62

Date: 07/16/15
Contract: _____
Project Start: 11/01/15
Project Complete: 04/01/16
Project Estimate: \$150,000.00
Project Funding to Date: \$0.00
Anticipate Carry Forward FY: N
Yes/No:

Project Description/Justification:

New metal building (hut) at the waste water treatment plant for extra storage. The building is to match the existing to metal buildings for consistency in maintenance and aesthetics.

Reasons for Modification:

Operating Impact

Related Projects:

Project Phase Summary

Phase	Committed To Date	FY15/16	FY16/17	FY 17/18	FY 18/19	FY 19/20	
construction		150,000					
Total	0	150,000	0	0	0	0	150,000

Funding Source Summary

Phase	Funded To Date	FY15/16	FY16/17	FY 17/18	FY 18/19	FY 19/20	
sewer		115,500					
navy		34,500					
Total	0	150,000	0	0	0	0	150,000

Carry Forward 0