

## FY09-14 CAPITAL IMPROVEMENT PROJECT

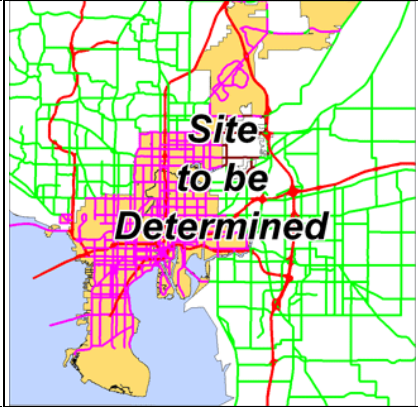
**PROJECT TITLE:**  
Public Art

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
To Be Determined

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**  
This project provides for the contribution to public art per Ordinance 8860-A for eligible projects funded with wastewater funds.



**INDEX CODE:** SS0142BCB      **PROJECT ID:** SS-06-037

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$54,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

The Public Art Committee recommends to the mayor the amount of monies to be allocated for selection, commissioning, acquisition and installation of individual works of art to be incorporated as a part of the municipal construction project for which the monies were appropriated.

## FY09-14 CAPITAL IMPROVEMENT PROJECT

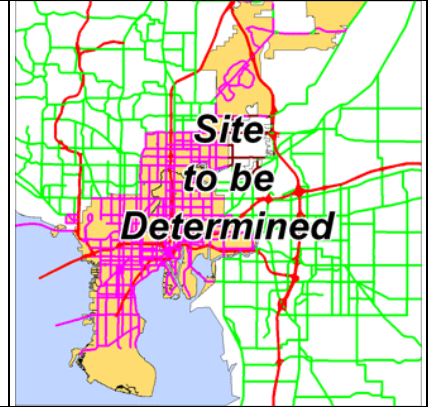
**PROJECT TITLE:**  
Contracted Line Replacement

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
To Be Determined

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**  
This project provides for the replacement and / or relocation of wastewater facilities found to be in conflict with roadway widening and stormwater improvement projects initiated during the fiscal year by Hillsborough County and the Florida department of transportation. This project allows the wastewater department to coordinate the replacement of aging pipelines located within the limits of the required project. These funds will also be used for engineer services to prepare the design and contract documents associated with these projects.



**INDEX CODE:** SS0342BAQ      **PROJECT ID:** SS-06-097

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$600,000	\$600,000	\$7,500,000	\$7,500,000	\$7,500,000	\$7,500,000	\$31,200,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

Project locations are determined by other city departments and governmental agencies.

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Bruce B. Downs Widening Segment B & C JPA

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
Bruce B. Downs Boulevard

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the relocation of sanitary sewer facilities to accommodate the widening of the roadway from four lanes to eight lanes. The work includes replacing the 18-inch and 24-inch force mains within segments B and C of this multiphased project with a single 30-inch pipeline. The work also includes the installation of valves and fittings required to connect existing pipelines to new pipelines and abandoning or removing the existing pipelines.



**INDEX CODE:** SS0342BHD

**PROJECT ID:** SS-08-030

	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
<b>FUNDING:</b>	\$4,918,000						\$4,918,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Annual Force Main Replacement Contract

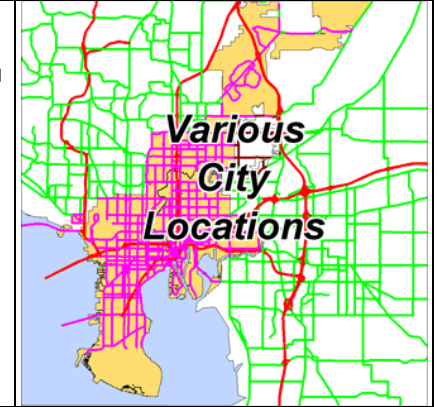
**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
Various - See Below

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the replacement of the corroded ductile iron force mains that are in danger of failing due to internal corrosion caused by hydrogen sulfide gas or external corrosion. These pipelines will be replaced with PVC pipe which is resistant to corrosion caused by hydrogen sulfide gas. The 1,750 miles of wastewater piping throughout the service area are continually monitored and are selected for rehabilitation as conditions dictate.



**INDEX CODE:** SS0342BHM

**PROJECT ID:** SS-08-001

	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
<b>FUNDING:</b>	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,000,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

LOCATIONS UNDER CONSIDERATION INCLUDE:

- 53rd Street from 131st Avenue to 127th Avenue
- Himes Avenue from Henry Avenue to Idlewild Avenue
- Paxton Avenue Force Main: Manhattan Avenue from Gandy Boulevard to Coachman Avenue
- 30th Street from Fletcher Avenue to 100 feet North of Fletcher Avenue

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Sewer System Evaluation Study - Manhole Rehabilitation

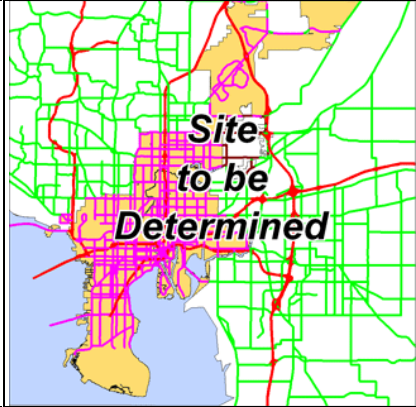
**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
To Be Determined

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the rehabilitation of manholes identified in the Sanitary Sewer Evaluation Study. This project is a multi-phased project. The condition of the manholes vary but include manholes with severe concrete deterioration and excessive leaks. The manholes are in several locations throughout the Bayshore and West River collection basins. Rehabilitation will include the removal of deteriorated concrete, sealing leaks, and application of a corrosion resistant coating. The new coating will be resistant to hydrogen sulfide gas and will prevent future corrosion. The coating will restore structural integrity of the manhole and prevent ground water infiltration.



**INDEX CODE:** SS0342BJH

**PROJECT ID:** SS-08-028

<b>FUNDING:</b>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
	\$750,000	\$750,000					\$1,500,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Howard F. Curren Digester # 6 Rehabilitation

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
2700 Maritime Boulevard

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the second phase of the rehabilitation of anaerobic digester #6 at the Howard F. Curren Treatment Plant. The project includes the removal and replacement of the existing valves and piping, as well as repainting pipe and equipment inside the digester. The project also includes the installation of a protective coating on concrete surfaces inside the digester and repairing corroded sections of the floating roof.



**INDEX CODE:** SS0442BKV

**PROJECT ID:** SS-09-001

<b>FUNDING:</b>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
	\$750,000						\$750,000

Land Acquisition							
Design							
Bid							
Award							
Construction							



## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:** Howard F. Curren Junction Chamber # 1 Rehabilitation  
**RESPONSIBLE DEPARTMENT:** Wastewater

**LOCATION:** 2700 Maritime Boulevard  
**FUNDING SOURCE:** Wastewater Fund

**PROJECT DESCRIPTION:**  
 This project provides for the rehabilitation of the deteriorated concrete in junction chamber #1. The protective liner has failed allowing the underlying concrete to deteriorate from exposure to hydrogen sulfide gas. The stop log grooves used to isolate the force mains that discharge into the junction chamber have become detached from the walls and are no longer usable. This project is multi-phased and will include removal of deteriorated concrete and application of a concrete repair material. The material will restore the structural integrity of the wall and provide a protective coating preventing future deterioration of the concrete. The work also includes replacement of the stop log grooves.



**INDEX CODE:** SS0442BLC **PROJECT ID:** SS-09-002

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
	\$500,000	\$500,000					\$1,000,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:** Howard F. Curren Denitrification Filter Media Replacement Phase III  
**RESPONSIBLE DEPARTMENT:** Wastewater

**LOCATION:** 2700 Maritime Boulevard  
**FUNDING SOURCE:** Wastewater Fund

**PROJECT DESCRIPTION:**  
 This project provides for the replacement of the filter media in the denitrification filters. The existing filter media has been lost over the past 17 years of operation resulting in inefficient operation and reduced capacity. Filter media levels will be brought back to original design level, which will restore original capacity of the system. The project will also include improvements to the filter system to prevent future loss of media.



**INDEX CODE:** **PROJECT ID:** SS-08-007

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$2,800,000					\$2,800,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Final Sedimentation Tank Cross Collector Rehabilitation  
Phase II

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
2700 Maritime Boulevard

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the rehabilitation of the cross collector system at tanks 7-12 of the old sedimentation tanks. The project will include replacing the return wear rail assemblies, wall brackets, wear strips, idler shafts, sprockets, cross collectors, and related mechanical equipment at six of the final sedimentation tanks. The mechanical equipment has reached the end of its useful life and is unreliable. The project will also include replacing the process air piping at sedimentation tanks 1-6. All materials used in the rehabilitation will be constructed of corrosion resistant materials which will increase the useful life of the equipment. Replacement of the equipment will increase system reliability and reduce overall operating costs.



**INDEX CODE:**

**PROJECT ID:** SS-09-014

FUNDING:	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
		\$1,100,000					\$1,100,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Cured-in-Place Pipe Rehabilitation

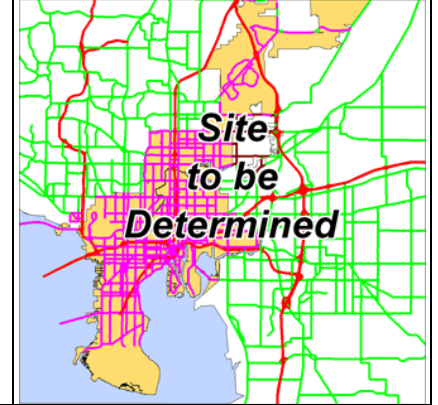
**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
To Be Determined

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the rehabilitation of failing gravity lines on an as-needed and emergency basis. The rehabilitation method requires no excavation and will extend the useful life of the sanitary sewer pipeline beyond 50 years. Since no excavation is required, pipeline repairs can be performed quickly, minimizing impacts to traffic and the need to make costly roadway repairs. The 1,895 miles of wastewater piping throughout the service area are continually monitored and are selected for rehabilitation as conditions dictate.



**INDEX CODE:**

**PROJECT ID:** SS-07-002

FUNDING:	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Louisiana Gravity Sewer Capacity Upgrade

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
Louisiana Avenue: River Boulevard to Highland Avenue

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the construction of a new 24-inch gravity sewer along Louisiana Avenue from River Boulevard to Highland Avenue to replace the existing 18-inch gravity sewer. The Sanitary Sewer Evaluation Study indicated that the existing pipeline lacks adequate capacity for the flow rates that could occur during a heavy rainfall. The project will include installation of new pipe, manholes, and service laterals. The pipeline will be constructed of PVC and manholes lined with protective coatings. These materials will protect the pipeline from deterioration caused by hydrogen sulfide gas.



**INDEX CODE:** PROJECT ID: SS-09-005

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$600,000					\$600,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Annual Gravity Sewer Contract

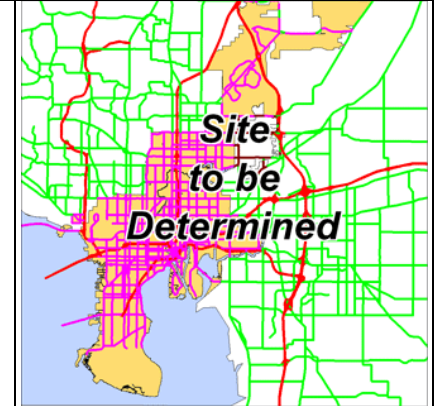
**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
To Be Determined

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the replacement of structurally deficient gravity sewers. This project also provides for installation of gravity sewers to extend wastewater service to homes that currently use septic tank / drain field systems. The installation of these pipelines increases our customer base and expands the wastewater system. The 1,895 miles of wastewater piping throughout the service area are continually monitored and are selected for rehabilitation as conditions dictate.



**INDEX CODE:** PROJECT ID: SS-07-001

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Coachman Avenue Pumping Station Rehabilitation

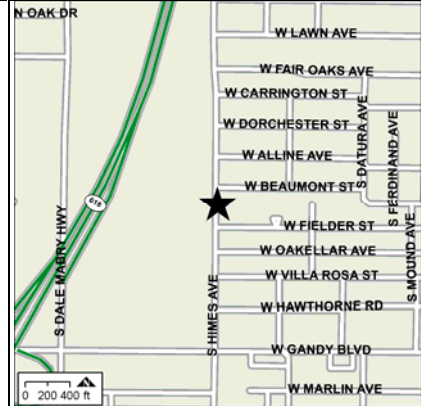
**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
3619 Coachman Avenue

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the installation of new pumps, piping, valves, control equipment, and ventilation system. According to the Sanitary Sewer Evaluation Study, the station's pumps lack adequate capacity during heavy rainfall events. The pumps and equipment have also reached the end of their useful life. The project also includes rehabilitation of the wet well by repairing and coating deteriorated concrete surfaces. The project may also include the installation of a mixer or agitation pump to promote self cleansing. Self cleansing will reduce station odors and reduce manpower needed to maintain station.



**INDEX CODE:** PROJECT ID: SS-09-008

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$350,000					\$350,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Knights Avenue Pumping Station Rehabilitation

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
3118 Knights Avenue

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the installation of new pumps, piping, valves, control equipment, and ventilation system. According to the Sanitary Sewer Evaluation Study, the station's pumps lack adequate capacity during heavy rainfall events. The pumps and equipment have also reached the end of their useful life. The project also includes rehabilitation of the wet well by repairing and coating deteriorated concrete surfaces. The project may also include the installation of a mixer or agitation pump to promote self cleansing. Self cleansing will reduce station odors and reduce manpower needed to maintain station.



**INDEX CODE:** PROJECT ID: SS-09-009

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$350,000					\$350,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
124th Avenue-Lake Magdalene Force Main Replacement

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
124th Avenue: Taliaferro Avenue to 15th Street

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the replacement of the force main along 124th Avenue from Taliaferro Avenue to 15th Street. The existing force main is constructed of ductile iron pipe and has severe internal corrosion from hydrogen sulfide gas. The existing pipeline will be replaced with a PVC pipe which is resistant to corrosion from hydrogen sulfide gas. Due to changes in system operation, the existing 12-inch pipeline can be replaced with a 6-inch pipeline. The crossing under I-275 can also be eliminated.



**INDEX CODE:** **PROJECT ID:** SS-09-010

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$300,000					\$300,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Clark Avenue Pumping Station Rehabilitation

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
4700 Clark Avenue

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the installation of new pumps, piping, valves, and control equipment. According to the Sanitary Sewer Evaluation Study, the station's pumps lack adequate capacity during heavy rainfall events. The pumps and equipment have also reached the end of their useful life. The project also includes rehabilitation of the wet well by repairing and coating deteriorated concrete surfaces. The project may include regrading the area surrounding the pumping station to prevent stormwater runoff from entering the station.



**INDEX CODE:** **PROJECT ID:** SS-09-012

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$300,000					\$300,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
43rd Street Pumping Station Odor Control Rehabilitation

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
6524 North 43rd Street

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the replacement of the odor control systems at the 43rd Street pumping station. The new system will be a biofilter system that removes odors without the use of chemicals and has minimum operation and maintenance costs. The system will include a blower, filter system, air duct, and control system. The system will replace the chemical scrubber system that has reached the end of its useful life and is no longer cost effective to maintain.



**INDEX CODE:** PROJECT ID: SS-08-010

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$225,000					\$225,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Lakeshore Pumping Station Rehabilitation

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
7008 Lakeshore Drive

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the rehabilitation of the back-up generator and installation of new pumps and control equipment. The pumps and equipment have reached the end of their useful life and are no longer cost effective to maintain. The station's permanent generator has also failed and the station currently relies on a portable generator for emergency back-up power. This pumping station is located along the Hillsborough River, upstream of the city's reservoir. Replacing the pumping equipment and rehabilitating the generator is essential to ensure station reliability and reduce the risk of a wastewater overflow into the city's reservoir.



**INDEX CODE:** PROJECT ID: SS-09-007

FUNDING:	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
		\$200,000					\$200,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Meter Vault #2 Flow Meter Replacement

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
2700 Maritime Boulevard

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the replacement of the 60-inch flow meter in meter vault no. 2. The existing meter is over 20-years old and has reached the end of its useful life. The project will include removal of the existing meter and installation of a new meter and signal converter. Testing and calibration of the meter will be performed to ensure the provision of accurate readings.



**INDEX CODE:**

**PROJECT ID:** SS-09-015

FUNDING:	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
		\$100,000					\$100,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

## FY09-14 CAPITAL IMPROVEMENT PROJECT

**PROJECT TITLE:**  
Howard F. Curren Plant Improvements

**RESPONSIBLE DEPARTMENT:**  
Wastewater

**LOCATION:**  
2700 Maritime Boulevard

**FUNDING SOURCE:**  
Wastewater Fund

**PROJECT DESCRIPTION:**

This project provides for the inspection of the buildings, equipment and piping throughout the Advanced Wastewater Treatment Plant's 120-acre property site. The treatment plant infrastructure will be scheduled for repair and replacement as dictated by these inspections. There are also provisions for additional design, testing, inspection, services during construction services, and change orders required to support the repair and replacement program.



**INDEX CODE:**

**PROJECT ID:** SS-07-040

FUNDING:	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>TOTAL</u>
			\$7,000,000	\$7,000,000	\$7,000,000	\$7,000,000	\$28,000,000

Land Acquisition							
Design							
Bid							
Award							
Construction							