

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: Howard F. Curren Treatment Plant Improvements
RESPONSIBLE DEPARTMENT: Wastewater

LOCATION: 2700 Maritime Boulevard
FUNDING SOURCE: Wastewater Revenue Bond Fund - 2006

PROJECT DESCRIPTION:
 This project provides for the rehabilitation of sludge drying beds located near the heat drying facility. The project will include replacing the drying bed filter media and deteriorated pipes and valves.



INDEX CODE: **PROJECT ID:** SS-08-034

FUNDING:	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
	\$570,000						\$570,000

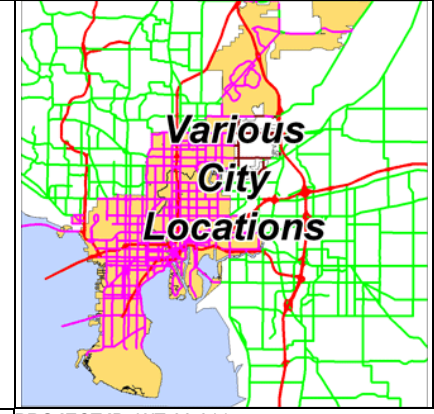
Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: Public Art
RESPONSIBLE DEPARTMENT: Water

LOCATION: Various - See Below
FUNDING SOURCE: Water Fund

PROJECT DESCRIPTION:
 This project provides for the contribution to public art per ordinance #8860-A for eligible projects in the water fund. Artists from all ethnic, cultural, and socio-economic backgrounds will be encouraged to participate and help expand arts throughout the community.



INDEX CODE: WT0143BAB **PROJECT ID:** WT-06-014

FUNDING:	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

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

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Belt Filter Press Rehabilitation

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
7125 North 30th Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the rehabilitation of one belt filter press to maintain the solids handling facility at the David L. Tippin Water Treatment Facility. This project will greatly improve sludge handling operations at the facility. FY08 is the final year of this project. This maintenance project was anticipated in the Tampa water department five-year master plan. This project, at a total cost of approximately \$500,000, saves the department money with rehabilitation.



INDEX CODE: WT0343BBA

PROJECT ID: WT-08-005

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$150,000						\$150,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
MFL - Sulphur Springs - Weir

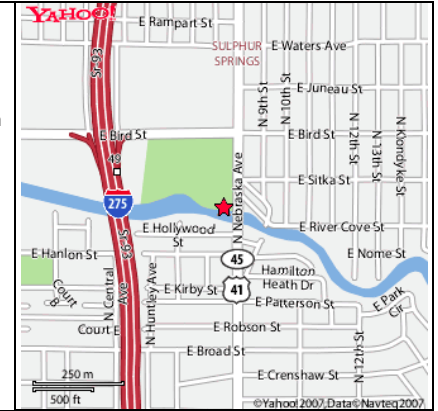
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
Northwest of Nebraska Avenue and the Hillsborough River

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the modification of gates at Sulphur Spring by installing a five foot wide weir at the exit of the run to prevent salinity incursions. The weir will be removable to allow for full unobstructed flow when minimum flow level (MFL) is not needed. This project allows for a lower minimum flow and the use of Sulphur Springs water for the required minimum flow at the dam. This project saves money by lowering the amount of water purchased from Tampa Bay Water.



INDEX CODE: WT0343BMS

PROJECT ID: WT-08-007

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$190,000						\$190,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

The Sulphur Springs Weir is located at the northwest corner of Nebraska Avenue and the Hillsborough River.

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Poly-B Service Line Replacement

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for updating water facilities by replacing Poly-B service and galvanized service lines with modern high density polyethylene (HDPE) service lines. This project will increase water service reliability and water quality in neighborhoods served by this pipe. Lines constructed with Poly-B and galvanized have caused frequent water service interruptions which lead to water quality concerns.



INDEX CODE: WT0443BAS

PROJECT ID: WT-08-001

	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
FUNDING:	\$2,180,000	\$2,180,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$12,360,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08 locations have not yet been finalized.

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Valve Program

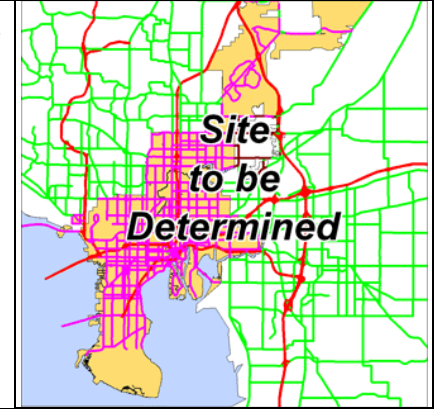
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

The project will repair and / or replace water valves that have failed. Failing valves are a source of water loss and can prevent repair crews from shutting water off at the nearest location to the work site.



INDEX CODE: WT0443BVP

PROJECT ID: WT-08-006

	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
FUNDING:	\$200,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,200,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
New Fire Services

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the installation of new fire services and backflow prevention devices throughout the water department's service area. These projects are generally installed in easements on customer property. New customers apply for fire protection service, applications are reviewed, and a service commitment is made by the water department. Payment of the appropriate fees is provided by the customer and a fire line project is then designed and constructed. This project is 100% customer driven.



INDEX CODE: WT0443CBL

PROJECT ID: WT-06-011

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,000,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

New fire services are requested primarily in commercial establishments where old buildings such as hotels, restaurants and warehouses. Firelines are required in commercial establishments by insurance companies, Tampa Fire Rescue and county fire departments. Specific locations are not known in advance.

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
New Customer Main Extensions

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the construction of water mains throughout the water department service area. These mains provide service to new customers and expand the city water system. New customers apply for water service, applications are reviewed, and a service commitment is made by the water department. Payment of the appropriate fees is provided by the customer and the water main project is then designed and constructed. This activity is 100% customer-driven.



INDEX CODE: WT0443CBM

PROJECT ID: WT-06-012

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$3,600,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

Customers often request service in new growth areas such as New Tampa and within the city / county service area. Some prospective customers are currently being serviced by the Tampa water department.

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
New Metered Services

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the installation of new metered water services and backflow prevention devices throughout the water department service area. New customers apply for water services, applications are reviewed, and a service commitment is made by the department. Payment of the appropriate fees is provided by the customer and a new meter project is then designed and constructed.



INDEX CODE: WT0443CBR

PROJECT ID: WT-06-010

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	\$1,050,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

New metered services are requested primarily in commercial establishments including old buildings being renovated as well as new buildings such as hotels, restaurants, and warehouses. Specific locations are not known in advance.

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Pipeline Repairs and Replacement

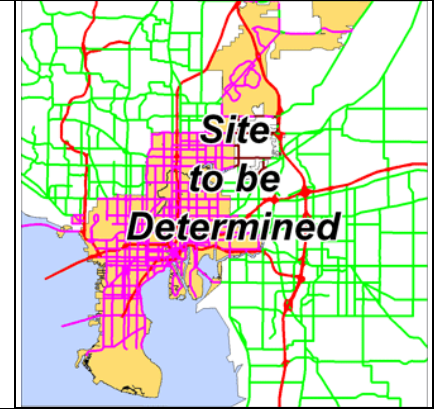
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
To Be Determined

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project rehabilitates and / or repairs water pipelines at various locations throughout the Tampa water department's service area. The replacement cost of the water pipeline system is in excess of \$2 billion. Approximately 15% of the system's pipes are at or beyond its useful life. Identification and prioritization of these assets has resulted in a list totaling \$400 million.



INDEX CODE:

PROJECT ID: WT-08-013

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$25,460,000	\$31,250,000	\$45,730,000	\$47,250,000	\$76,150,000	\$225,840,000	

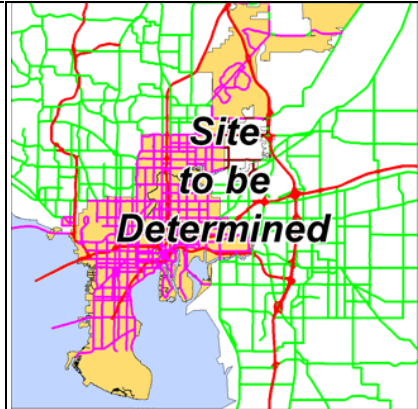
Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: Star Expansion **RESPONSIBLE DEPARTMENT:** Water

LOCATION: To Be Determined **FUNDING SOURCE:** Water Fund

PROJECT DESCRIPTION:
The expansion of the South Tampa Area Reclaimed (STAR) water system includes expansion of the system to residential customers in the South Tampa area. It also includes expanding the system to areas outside of the South Tampa area to serve major industrial and commercial customers. The project is currently in the review phase.



INDEX CODE: **PROJECT ID:** WT-08-018

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$7,797,100	\$984,400	\$16,234,860	\$5,474,000	\$43,084,660	\$73,575,020	

Land Acquisition							
Design							
Bid							
Award							
Construction							

A study is currently being conducted to determine the feasibility of expanding the current STAR program.

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: Basin 5-8 & Clear Well Rehabilitation **RESPONSIBLE DEPARTMENT:** Water

LOCATION: 7125 N 30th Street **FUNDING SOURCE:** Water Fund

PROJECT DESCRIPTION:
Rehabilitation of this infrastructure will involve the removal of deteriorated coating systems, repair and / or replacement of exposed reinforcing steel, repair of significant cracking, replacement of inoperable control valves, restoration of concrete surfaces, and installation of new coating systems.



INDEX CODE: **PROJECT ID:** WT-08-003

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
	\$2,500,000						\$2,500,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
High Service Pumps 9 and 10

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
7125 North 30th Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the replacement of two high service pumps. There are currently two 600 horsepower horizontal high service pumps that deliver 12 million gallons per day each. These pumps, installed in the 1950's, are high power users, and inefficient. The fact that they are horizontal pumps means they must pull a suction lift from the clearwell, which only allows pumping down to a five foot level in the clearwell before the pumps stop working. Replacing them with two 1,000 horsepower vertical pumps will double the pumping rate and utilize the entire capacity of the clearwell.



INDEX CODE: PROJECT ID: WT-08-004

FUNDING:	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
		\$2,500,000					\$2,500,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Distribution Upgrade and Relocation with the Florida Department of Transportation

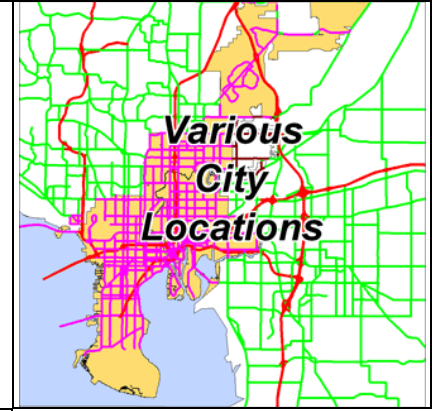
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
Various - See Below

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the mandated upgrade and relocation of water mains in conjunction with Florida department of transportation (FDOT) projects. Utilities within the right-of-way controlled by FDOT are required to be relocated outside of the roadway pavement by the water department. The design and construction schedules are dictated by FDOT. These funds provide for surveys, designs, and construction activities.



INDEX CODE: PROJECT ID: WT-08-027

FUNDING:	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
		\$2,352,863	\$10,000	\$10,000			\$2,372,863

Land Acquisition							
Design							
Bid							
Award							
Construction							

LOCATIONS UNDER CONSIDERATION INCLUDE:

- I-4/Crosstown Connector
- Bayshore Boulevard from Platt Street to Gandy Boulevard
- Bayshore Boulevard from Platt Street to Tyson Avenue
- Hillsborough Avenue from Central Avenue to Nebraska Avenue

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Ozone Compartment Isolations

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
7125 North 30th Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the isolation of the two ozone compartments. In the current design of the two ozone contactors, the effluent discharge compartment is common to both contactors. This has proven to be a safety and maintenance problem for the annual cleaning of the contactors. Transient ozone from the contactor left in service migrates into the other contactor drained for cleaning.



INDEX CODE:

PROJECT ID: WT-08-010

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
		\$1,250,000					\$1,250,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Hillsborough River Dam Rehabilitation

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
7125 North 30th Street

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for rehabilitation at the Hillsborough River Dam. There are areas around the spillways that require concrete rehabilitation / upgrade and the support beams under the walkways that need to be sandblasted and repainted to prevent them from corrosion. Since these metal beams were last painted in 1961, they will require lead abatement before they are repainted again. There is also a need for a re-inspection of the drains at the base of the dam to access any damage due to leakage.



INDEX CODE:

PROJECT ID: WT-08-014

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
		\$800,000					\$800,000

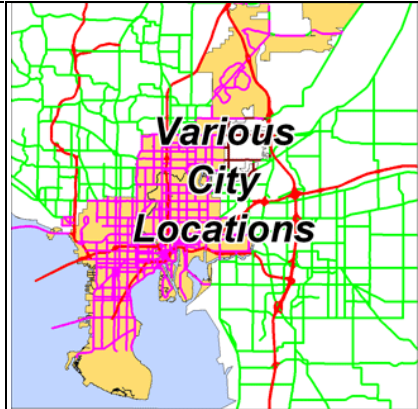
Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: Distribution Upgrade and Relocation with Hillsborough County
RESPONSIBLE DEPARTMENT: Water

LOCATION: Various - See Below
FUNDING SOURCE: Water Fund

PROJECT DESCRIPTION:
 This project provides for the upgrade and relocation of water facilities located in the right-of-way of Hillsborough County roads. These utility coordination projects are comprised of capital improvements within Hillsborough County's right-of-way. When these improvements are in conflict with existing water infrastructure, the Tampa water department is required to relocate and/or replace the infrastructure.



INDEX CODE: **PROJECT ID:** WT-08-015

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
		\$705,000					\$705,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

LOCATIONS UNDER CONSIDERATION INCLUDE:

- Benjamin Road Bridge over Sweetwater Creek
- County Line Road widening from Bruce B. Downs Boulevard to I-75
- 22nd Street between Club Drive and Fletcher Avenue

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE: Treatment Improvements B
RESPONSIBLE DEPARTMENT: Water

LOCATION: 7125 North 30th Street
FUNDING SOURCE: Water Fund

PROJECT DESCRIPTION:
 This project provides for various minor capital projects for the David L. Tippin Water Treatment Facility. The treatment plant is over 80 years old and provides approximately 85 million gallons of water per day. The plant needs upgrades and rehabilitation. The total of all the work needed at the plant amounts to approximately \$60 million over the next ten years.



INDEX CODE: **PROJECT ID:** WT-08-029

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
		\$380,000					\$380,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

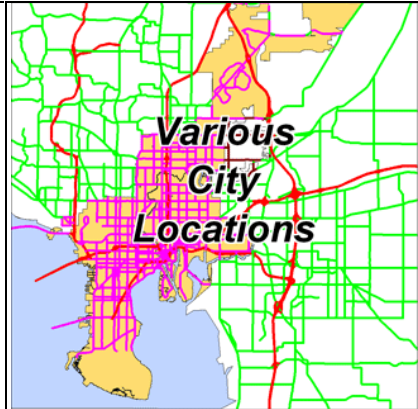
PROJECT TITLE:
Security Improvement - Water Facility

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
Various - See Below

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:
This project provides for installing security improvements at various locations throughout the Tampa water department service area.



INDEX CODE: PROJECT ID: WT-08-009

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
		\$250,000					\$250,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

LOCATIONS UNDER CONSIDERATION INCLUDE:

Morris Bridge Treatment Plant
West Tampa tank
Rome Avenue service yard

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
On-Line Monitoring Distribution

RESPONSIBLE DEPARTMENT:
Water

LOCATION:
David L. Tippin Water Treatment Plant

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:
This project provides for the installation of on-line, real-time monitoring of the drinking water distribution system for possible contamination due to outside intervention ie. terrorist threat. The Environmental Protection Agency requires cities to undergo vulnerability assessments. This project allows for additional full on-line monitoring to enhance the monitoring already in place.



INDEX CODE: PROJECT ID: WT-08-019

FUNDING:	FY08	FY09	FY10	FY11	FY12	FY13	TOTAL
		\$100,000	\$125,000				\$225,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Minimum Flow Levels (MFL) - Pipeline / Gates

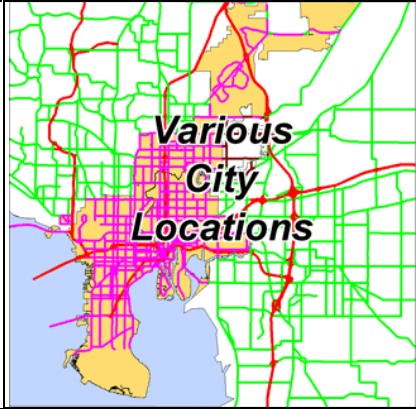
RESPONSIBLE DEPARTMENT:
Water

LOCATION:
Various - See Below

FUNDING SOURCE:
Water Fund

PROJECT DESCRIPTION:

This project provides for the design and construction of a pipeline which will run from Blue Sink to the base of the Hillsborough River dam, as well as the installation of a pump station. Upon completion, the project should provide 2-3 million gallons per day of reliable flow. This project will also fund the construction of the Harney Canal Pipeline, which will provide water directly from the canal to the David L. Tippin Water Treatment Facility. This construction will reduce evaporation loss by approximately 10%, thus reducing the volume of water withdrawn from the Hillsborough River. Lastly, the Sulphur Springs upper weir project includes modification of the upper gates and installation of variable speed pumps. The upper weirs will then have the ability to be lowered down and opened from the bottom, allowing control of both salinity and flow.



INDEX CODE: PROJECT ID: WT-08-021

FUNDING:	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
	\$11,333,000	\$26,307,000					\$37,640,000

Land Acquisition							
Design							
Bid							
Award							
Construction							

LOCATIONS UNDER CONSIDERATION INCLUDE:

- Blue Sink Pipeline -FY10
- Sulphur Springs Upper Gates - FY10
- Harney Canal Pipeline - FY10
- Harney Canal Pipeline - FY11

FY08-13 CAPITAL IMPROVEMENT PROJECT

PROJECT TITLE:
Bruce B. Downs - Widening Phase 1

RESPONSIBLE DEPARTMENT:
Water

LOCATION:

Bruce B. Downs Boulevard: Palm Spring Boulevard to Pebble Creek Drive

FUNDING SOURCE:

Water Fund

PROJECT DESCRIPTION:

In conjunction with Hillsborough County's widening of Bruce B. Downs Boulevard, the Tampa water department will relocate and upgrade the 54-inch pipeline serving New Tampa with a 48-inch pipeline. While this is a decrease in the size of the pipeline, it will ensure adequate levels of service to current and future customers.



INDEX CODE: PROJECT ID: WT-08-020

FUNDING:	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>TOTAL</u>
			\$14,000,000				\$14,000,000

Land Acquisition							
Design							
Bid							
Award							
Construction							