

City of Ormond Beach, Florida
Federal Request Projects
1/09

Staff has identified several projects that would be excellent candidates for the upcoming legislation session. The focus of our selections centered on the need to create or preserve jobs by rebuilding our infrastructure. These projects, if selected, would make tremendous strides towards achieving this goal that is so desperately needed during this recession.

Candidate Projects

Specific details for each project are attached to this memorandum for further consideration. The details presented in the following pages include a thorough project description, estimated cost, schedule, and an approximation of the number of workers that will be required to complete the work identified.

Our goal is to have all of these projects ready for construction if they are selected for funding in 2009/2010. Staff is aggressively working with our design consultants to ensure that the projects will be permitted and bid packages will be available at that time. If you should have any questions or require any additional information on these projects, please do not hesitate to contact me.

Wastewater Treatment Plant Expansion & Rehabilitation

Project Description: The existing WWTP has a permitted capacity of 6.0 mgd. The permitted capacity of 6.0 mgd has been exceeded on various occasions. Constructions of new components are required to expand treatment capacity from 6.0 mgd to 8.0 mgd. In addition, as the last major expansion to the plant occurred in 1991, most major equipment has reached the end of their useful life and replacement is required. Critical elements of the expansion are as follows:

- Modify influent structure
- Replace carrousel aerators and VFD's
- Construct new clarifier
- Install a new RAS/WAS pump and VFD
- Add a third filter and/or modify existing under drains
- Install a third screw pump

Estimated Cost: \$ 15,000,000

Construction Schedule:

Complete Design and Permitting: August, 2009
Start Construction: November, 2009
Complete Construction: April, 2010

Approximate Number of Jobs Created: 300*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

Airport Road Force Main Upgrade & Reuse Main Conversion

Project Description: The Airport Road Force Main is one of the main force mains serving the City. In recent years the service area to this force main has seen tremendous growth. The existing force main is now undersized for the flow demands. Numerous pump stations feed into this main and during peak flow periods shut-off conditions are reached at many of the stations. Approximately 4.2 miles of force main will be upgraded. Upgrading the existing force main will allow the conversion of the existing force main to serve as a reuse main that can convey reuse water to several large user sites within the City. This will offset the use of groundwater which currently serves these sites and provide additional capacity of groundwater to serve the City's potable water production needs.

Estimated Cost: \$ 7,600,000

Construction Schedule:

Complete Design and Permitting: September, 2009

Construction Start: December, 2009

Construction Completion: August, 2010

Approximate Number of Jobs Created: 152*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

Rima Ridge Wells

Project Description: The City recently expanded its water treatment plant from 6 MGD to 10 MGD by construction of a new low pressure reverse osmosis treatment facility. In order to provide sufficient water to the treatment plant to meet future anticipated demands, additional raw water production wells are required. In accordance with the City's approved CUP permit, three new production wells were scheduled for construction at the City's Rima Ridge Wellfield. The three new wells will provide an additional capacity of 2.4 MGD to the City's water production capability.

Estimated Cost: \$ 1,000,000

Construction Schedule:

Complete Design and Permitting: February, 2009

Construction Start: May, 2009

Construction Complete: December, 2009

Approximate Number of Jobs Created: 20*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

Water Treatment Plant South Distribution Main Phase III**

Project Description: Results from the City's recent Utility Master Plan Update indicated the need for additional strengthening of its water main distribution system to improve flow and pressures throughout the City. This project involves the construction of approximately 2 miles of 12 and 16 inch water main.

Estimated Cost: \$ 1,350,000

Construction Schedule:

Complete Design and Permitting: April, 2010

Construction Start: July, 2010

Construction Complete: May, 2011

Approximate Number of Jobs Created: 27*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

** Project intended to be combined with City's Hand Avenue Collector Road Upgrade Project and Coolidge Avenue Improvement project for a total combined construction cost of \$4,550,000 and total of 91 jobs.

Hidden Hills Septic Sewer Conversion

Project Description: Extension of the City's central sewer collection system to a developed subdivision currently served by on-site septic system. Construction of the central sewer collection system will result in the elimination of groundwater contamination and surface water contamination from approximately 270 leaching septic systems. The drainage basin of this subdivision is located within the Tomoka River basin, a designated Florida Outstanding Water. The increase in effluent flow will assist in the City's ability to expand its reuse system customer base resulting in additional groundwater conservation.

Estimated Cost: \$ 4,500,000

Construction Schedule:

Complete Design and Permitting: September, 2009

Construction Start: December, 2009

Construction Complete: December, 2010

Approximate Number of Jobs Created: 90*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

US1 Sewer Service

Project Description: Construction of sewer service to approximately 20 commercial developments along US1, a major commercial corridor in the City. This project will result in the elimination of the potential for groundwater contamination and surface water contamination from leaching septic systems.

Estimated Cost: \$ 225,000

Construction Schedule:

Complete Design and Permitting: February, 2009

Construction Start: April, 2009

Construction Complete: November, 2009

Approximate Number of Jobs Created: 10*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost (10 minimum).

Hand Avenue Collector Road Upgrade

Project Description: Hand Avenue is a substandard major collector road within the City. Substantial flooding occurs along Hand Avenue during low return interval (1, 2 and 5-Year) storm events that result in direct economic damages associated with detour of traffic along this Major Collector (over 10,000 trips per day) resulting in delays of life-safety services including police, fire and rescue response. This project will significantly reduce the duration of flooding during storm events and eliminate all flooding currently associated with the annual return interval storm event. The project involves the upgrade/reconstruction of 1.3 miles of Hand Avenue from US1 to Nova Road to include construction to a collector standard design and includes the upgrade of the stormwater collection system.

Estimated Cost: \$ 2,850,000

Construction Schedule:

Complete Design and Permitting: April, 2010

Start Construction: July, 2010

Complete Construction: May, 2011

Approximate Number of Jobs Created: 57*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

State Road 40 Sidewalk

Project Description: Project includes the construction of approximately 3 miles of 8 foot sidewalk along State Road 40 west of I-95. SR40 is a major State arterial roadway. Construction will include a combination of concrete sidewalk and wooden boardwalks. Recent widening of SR40 by the FDOT did not include for pedestrian sidewalks. Several major subdivisions exist along this section of roadway and recent commercial development has resulted in a need for this sidewalk to provide a safe access for pedestrians along this corridor section.

Estimated Cost: \$ 5,000,000

Construction Schedule:

Complete Design and Permitting: July, 2009

Construction Start: October, 2009

Construction Complete: March, 2009

Approximate Number of Jobs Created: 100*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

Coolidge Avenue Improvements

Project Description: The City's Master Stormwater plan identified Coolidge Avenue as a problem flooding area and provided recommendations for improving the stormwater collection system on this commercial road section. The existing road is substandard and does not meet City minimum standards. Improvements will include full reconstruction of the roadway and construction of a stormwater collection system.

Estimated Cost: \$ 350,000

Construction Schedule:

Complete Design and Permitting: Complete**
Construction Start: July, 2010
Construction Complete: May, 2011

Approximate Number of Jobs Created: 10*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost (10 minimum).

**It is proposed to package this project with the Hand Avenue Collector Road Upgrade and the Water Treatment Plant South Distribution Main Phase III projects.

Corrugated Metal Pipe Rehabilitation

Project Description: The City's 2006 Stormwater Master Plan Update identified replacement of deteriorated corrugated metal pipe as a major infrastructure rehabilitation priority project. The report identified 43 corrugated metal pipe (CMP) segments that are in need of replacement or rehabilitation throughout the City at an estimated repair cost of \$6.5 million. These are areas where pipe segments suffer from leaking joints, surface subsidence, rust, and/or are crushed. Replacement/repair of these pipes is crucial to maintaining the integrity of the roads under which these pipes are located and to maintain the integrity of the stormwater systems that they serve.

Estimated Cost: \$ 6,500,000

Construction Schedule:

Complete Design and Permitting: July, 2009
Construction Start: October, 2009
Construction Complete: May, 2010

Approximate Number of Jobs Created: 130*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

Military Boulevard Drainage Improvements

Project Description: The City's Master Stormwater plan identified Military Boulevard as a problem flooding area and provided recommendations for improving the stormwater collection system on this residential road section. Improvements will include construction of a stormwater collection system and minor road improvements.

Estimated Cost: \$ 150,000

Construction Schedule:

Complete Design and Permitting: Complete
Construction Start: July, 2009
Construction Complete: December, 2009

Approximate Number of Jobs Created: 10*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost (10 Minimum).

Alcazar Buena Vista Drainage

Project Description: The City's Master Stormwater plan identified this area of the City as a problem flooding area and provided recommendations for improving the stormwater collection system in this older residential area. Improvements will include construction of a stormwater collection system.

Estimated Cost: \$ 715,000

Construction Schedule:

Complete Design and Permitting: September, 2009

Construction Start: December, 2009

Construction Complete: August, 2010

Approximate Number of Jobs Created: 14*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

John Anderson Drive Roadway and Stormwater Improvements

Project Description: John Anderson Drive is a collector road within the City. Substantial flooding occurs along John Anderson Drive and has resulted in the deterioration of the road. The roadway is included in the State's Scenic Highway designation. The project involves the upgrade/reconstruction of approximately 2.0 miles of John Anderson Drive from State Road 40 to the City limits and will include reconstruction of the roadway, installation of sidewalks for pedestrian access and the upgrade of the stormwater collection system.

Estimated Cost: \$ 5,240,000

Construction Schedule:

Complete Design and Permitting: December 2009
Start Construction: March, 2010
Complete Construction: January, 2011

Approximate Number of Jobs Created: 105*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost.

Tomoka State Park Sidewalk

Project Description: This project will expand the Ormond Scenic Loop and Trail system by providing a sidewalk from Inglesa Avenue (northern City limits) to the entrance to Tomoka State Park. Construction includes 1.2 miles of 8 foot concrete sidewalk with benches and information kiosks.

Estimated Cost: \$ 400,000

Construction Schedule:

Complete Design and Permitting: July, 2009

Construction Start: October, 2009

Construction Complete: March, 2009

Approximate Number of Jobs Created: 10*

* The number of jobs created was estimated using an industry standard approximation of one worker for every \$50,000 of project cost (minimum 10).