



ST. JOHNS COUNTY  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION  
2740 Industry Center Road  
St. Augustine, Florida 32084

Project Updates Through March 3, 2010

### **Capacity Projects**

#### CR 210 Median Landscaping (Non-bond)

Current Phase Funded: Construction

Consultant: Arcadis

Project Manager: Sonia Wilson

Project Scope: Landscaping of CR 210 Median from South Hampton Club Way to Prosperity Lake Drive

Project Status: Bid opened and awaiting BCC approval.

#### CR 214 Milling and Resurfacing (Non-bond)

Current Phase Funded: Construction

Consultant: Connelly & Wicker

Contractor: Halifax, Inc.

Project Manager: Joan Anderson

Project Scope: Roadway improvements to CR 214 to include milling, shoulder widening and resurfacing.

Project Status: Contract awarded to Halifax, Inc. Precon tentatively scheduled for March 2, 2010.

## Capacity Projects

### CR2209 South Segment (Bond)

Phase Status: Land Acquisition 30%

Current Phase Funded: Land Acquisition

Consultant: RS&H

Contractor: Not applicable at this time

Project Manager: Nick Perpich

Project Scope: Land acquisition for the southern segment of CR 2209, which starts at CR 208 and goes north to SR 16.

Project Status: Two of seven parcels have been acquired.

### I-95 at CR 210 AM Phase I (Bond)

Phase Status: Construction 90%

Current Phase Funded: Construction

Consultant: Prosser Hallock, Inc.

Contractor: P & S Paving

Project Manager: Andrew Ames

Project Scope: This plan set is for construction of dual left turn lanes on CR 210 eastbound and northbound on ramp widening.

Project Status: Construction on the NB off and on ramps; SB off ramp and CR 210 widening is waiting for final friction course. Drainage and subsurface utility work is complete for CR 210. Final grade preparation is nearly complete.

### I-95 at CR 210 Interchange Modification Report (Bond)

Phase Status: Study 90%

Current Phase Funded: Study

Consultant: Prosser Hallock, Inc.

Contractor: Not applicable

Project Manager: Andrew Ames

Project Scope: Under this report a study to determine traffic in years 2025 and 2035 will be done to determine three alternatives and an ultimate recommendation.

Project Status: Draft preliminary Interchange Modification Report is complete. Draft under review for final comment.

## Capacity Projects

### I-95 at CR 210 Phase II (Non-bond)

Phase Status: Design 75%, Permitting 40%

Current Phase Funded: Design, Permitting, Construction

Consultant: Prosser Hallock, Inc.

Contractor: Not applicable at this time

Project Manager: Andrew Ames

Project Scope: Widening of CR 210 to accommodate dual lefts and dual through lanes and ultimate six-lane traffic.

Project Status: 30% plans reviewed. Real Estate in process of acquiring strips and pieces of ROW needed. Preliminary drainage design underway. Pond siting in progress.

### I-95 at CR 210 PM (Non-bond)

Phase Status: Construction 90%

Current Phase Funded: Construction

Consultant: Prosser Hallock, Inc.

Contractor: P & S Paving

Project Manager: Andrew Ames

Project Scope: This project involves the Southbound Off Ramp from I-95 to CR 210.

Project Status: Construction on the NB off and on ramps; SB off ramp and CR 210 widening is waiting for final friction course. Drainage and subsurface utility work is complete for CR 210. Final grade preparation is nearly complete.

### Racetrack Road & Durbin Creek Intersection (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design

Consultant: Arcadis

Contractor: Not Applicable at this time

Project Manager: Douglas Tarbox

Project Scope: This project will provide an exclusive right turn lane on Racetrack Road (900 feet in length) on the eastbound approach to Durbin Creek Blvd.

Project Status: Plans and Bid Specifications are complete and ready for advertising for construction.

## Capacity Projects

### Racetrack Road 4 Laning (Bond)

Phase Status: Design 60%

Current Phase Funded: Design, Permitting, Land Acquisition, Construction

Consultant: GAI

Contractor: Not applicable at this time

Project Manager: Greg Caldwell

Project Scope: This project will complete the 4 laning of Racetrack Road from the end of the County's current project east to Russell Sampson Road. Because the Bartram Park DRI is expanding Racetrack Road from two to four lanes east of Russell Sampson Road. Design and construction of this segment is being included in their design and construction effort but paid for by the county.

Project Status: Revised 60% plans received and under review.

### San Sebastian View/Lewis Speedway Intersection (Non-bond)

Phase Status: Design 100%, Permitting 100%, Land Acquisition 75%

Current Phase Funded: Design

Consultant: CH2MHill

Contractor: Not applicable at this time

Project Manager: Douglas Tarbox

Project Scope: Intersection improvements to Lewis Speedway/ Avenue D Intersection to add additional turn lanes. (See also US1/Lewis Speedway Intersection)

Project Status: Closing on property to BOCC March 2.

## Capacity Projects

### SR 207 Widening (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design, Permitting

Consultant: DRMP

Contractor: Not applicable at this time

Project Manager: Greg Caldwell

Project Scope: The section of SR-207 between Holmes Blvd and SR 312 requires several improvements per the SR 207 Corridor Improvement Group Agreement. Improvements to SR-207 are as follows: Addition of a third southbound and northbound through lanes from SR 312 to Holmes Blvd. and addition of a third westbound approach lane on Rolling Hills Drive at SR 207

Project Status: The SJRWMD permit has been received for this project; plans 100%.

### US 1 and SR 312 Intersection Improvements (Non-bond)

Phase Status: Design 90%

Current Phase Funded: Design

Consultant: Arcadis

Contractor: Not applicable at this time

Project Manager: Greg Caldwell

Project Scope: Design and construct a south bound turn lane, an east bound turn lane, and other improvements.

Project Status: 90% plans received and under review.

## Capacity Projects

### Volusia Street/Four Mile Road Seg 3 (Bond)

Phase Status: Design 100%, Land Acquisition 80%

Current Phase Funded: Design, Permitting, Land Acquisition, Construction

Consultant: RS&H

Contractor: Not applicable at this time

Project Manager: Greg Caldwell

Project Scope: Construction of Volusia Street Improvements from West King Street to Josiah Street. The length of this segment is approximately 1.3 miles. Intersection improvements needed at the intersection of Volusia Road and King Street and at Volusia and Josiah Street.

Project Status: RS&H responded to the RAI received from the SJRWMD. Land acquisition is in the final phase and utility coordination is on-going.

### Woodlawn Road: SR16 to "T" Intersection (Non-bond)

Phase Status: Design 30%

Current Phase Funded: Design, Permitting, Land Acquisition

Consultant: PBS&J

Contractor: Not applicable at this time

Project Manager: Sonia Wilson

Project Scope: Design and construction of Woodlawn Rd from SR16 to the "T" intersection as a 2 lane major collector to increase travel lanes to 12 feet with paved shoulders, bike lanes and sidewalks. Project on hold at least through the mid year 2010.

Project Status: Project on hold waiting for funding

## Safety Projects

### Countywide School Zone Safety (Non-bond)

Phase Status: Traffic Study 30%

Current Phase Funded: Traffic Study

Consultant: Prosser Hallock, Inc

Contractor: Not Applicable

Project Manager: Greg Kennedy

Project Scope: This project is for the evaluation and establishment of speed limits on county roads and school zones. Properly set speed limits provide a more uniform flow of traffic which ultimately results in the efficient use of the roadway facility's capacity.

Project Status: The speed zoning study is at 80% completion with data collection completed for all 17 roads under study.

### Countywide Sidewalk Projects (Non-bond)

Current Phase Funded: Construction

Consultant: Not applicable

Contractor: AWA Contractors

Project Manager: Sonia Wilson

Project Scope: Work shall include repair and replacement of existing sidewalks, as well as installation of new sidewalks. Meadowlark Sidewalk complete.

Project Status: Construction of Meadowlark Lane is complete.

### CR 210 and Mickler Road Multi Use Path (Non-bond)

Phase Status: Design 20%, Study 5%

Current Phase Funded: Design, Study

Consultant: CH2MHill

Contractor: Not applicable at this time.

Project Manager: Mike Adams

Project Scope: The multi-use path study will look to connect the Palm Valley Bridge to the roundabout at CR 210 and Micklers Road. The multiuse path will be approximately 6,100 feet in length. Alternatives and alignments are to be evaluated for the most cost effective alignment.

Project Status: Field meeting to be coordinated by Recreation & Parks for all interested parties.

## **Safety Projects**

### Traffic Calming Program (Non-bond)

Current Phase Funded: Study

Consultant: Volkert & Associates

Contractor: Not applicable

Project Manager: Greg Kennedy

Project Scope: Traffic studies will be performed on the basis of a "Petition to Study" signed by a clear majority of all affected residents in a given neighborhood. Each candidate street will be studied and ranked according to traffic conditions and point system established in the policy and procedure manual.

Project Status: A re-ballot package is being prepared for Heritage Landing with a tentative mail out date of 03-15-10.

## **Sidewalk Projects**

### Del Monte/Varella Sidewalk (Non-bond)

Phase Status: Construction 05%

Current Phase Funded: Design, Permitting, Construction

Consultant: Ayres

Contractor: A W A Contracting

Project Manager: Sonia Wilson

Project Scope: Design and construct approximately 3500 LF of 5 foot sidewalk on Del Monte Drive from Varella Ave to the First Coast Tech Center and a 5 foot sidewalk along Varella Ave from Del Monte Drive to Lewis Speedway. This is an ARRA project.

Project Status: Construction under way.

### Durbin Creek Sidewalks - Segments I & II (Non-bond)

Phase Status: Construction 80%

Current Phase Funded: Construction

Contractor: A W A Contracting

Project Manager: Joan Anderson

Project Scope: Construction of approximately 5,000 ft of 5 ft sidewalk to provide connectivity and safe pedestrian access to the new Julington Creek Plantation Amenity Center. This is an ARRA project.

Project Status: Construction on schedule for completion in mid-March.

## **Drainage Projects**

### Avenue D Drainage Basin Evaluation (Non-bond)

Current Phase Funded: Study

Consultant: Stone Engineering

Project Manager: Mike Adams

Project Scope: Basin is approximately 300 acres of mostly mixed-use with commercial, industrial and residential. Basin is bounded by Big Oak Road on the north and extends south along Avenue D to Lewis Speedway on the west and Lewis Speedway to the Rail Corridor on the east in the central St Johns County area. A drainage improvement study is to be completed to evaluate existing conditions and recommend improvements as necessary for proper maintenance and operation of the collection and conveyance systems as well as acquisition of a functional outfall if needed.

Project Status: Task Order in progress of being issued.

### College Park Drainage Improvements (Non-bond)

Phase Status: Construction 30%

Current Phase Funded: Construction

Consultant: Prosser Hallock

Contractor: Barco Duval

Project Manager: Nick Perpich

Project Scope: Design for West Augustine Stormwater Improvements including storm water modeling and drainage design for a portion of the Fox Creek Drainage Basin in West Augustine. A 40 acre regional detention facility will be constructed along Northwood Drive west of Holmes Blvd as part of the West King St Corridor Segment 1 improvements.

Project Status: Barco-Duval, the contractor, continues pond excavation which is the major item of work.

## Drainage Projects

### Corona Road Weir (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design, Construction

Consultant: Stone Joca Associates

Contractor: Not applicable at this time

Project Manager: Mike Adams

Project Scope: Replace failing downstream endwall, replace fence, railing and sidewalk and associated safety improvements by increasing the sidewalk setback to increase clear zone between the sidewalk and the roadway.

Project Status: Bid Opening March 10.

### Countywide Stormwater Model (Non-bond)

Phase Status: Study 35%

Current Phase Funded: Design, Permitting, Land Acquisition

Consultant: Jones Edmunds

Contractor: Not Applicable

Project Manager: Douglas Tarbox

Project Scope: Implementing the recommendations of the Ayres study to proceed to the next phase by adopting a uniform stormwater model and to proceed with producing models for each sub-basin to determine the extent of improvements to relieve flooding and storm duration. This will be an overall county wide endeavor and will take several years to complete.

Project Status: SERM: The SERM is running and rainfall depths have been determined for the various events. We will producing the floodplains this month.

SWRM: As with the SERM, we will use the SJRWMD rainfall depths for the 100-year/24-hour event. We will produce the floodplains this month. The level of service assessment will commence following the floodplain development.

NWRM Phase 1: The schematic development is being finalized. The surface water quality assessment will commence upon schematic finalization. Survey ID has been completed. We will coordinate with Geomatics and the County surveyor to obtain survey and as-built data for Phase 2A.

## Drainage Projects

### Countywide TMDLS - Stormwater Quality Drainage Improvements (Non-bond)

Phase Status: Original Study 65%

Current Phase Funded: Original Study

Consultant: varies

Contractor: varies

Project Manager: Andrew Ames

Project Scope: Stormwater quality drainage improvements in the County's storm drainage system and in outfalls to waterways will be installed to reduce the discharge of pollutants. Effective July 2008, the county will be required to begin projects that will help meet the pollution allocations of the Total Maximum Daily Load (TMDL) program for the lower St. John's River Basin.

Project Status:

- Deep Creek RST – OEM – Interlocal Agreement in progress
- Masters Tract RST – Preliminary Engineering Report – Draft complete - Scope and fee for design in progress
- Countywide RST Feasibility Study – final draft in for review
- BMAP progress report complete for Year I
- Preliminary water sampling scoping

### CR 13 Culvert Replacement (Non-bond)

Phase Status: Design 20%, Preliminary Engineering 100%, Original Study 100%

Current Phase Funded: Design, Permitting

Consultant: Arcadis

Contractor: A W A Contracting

Project Manager: Douglas Tarbox

Project Scope: Culvert repair, replacement and extension along CR 13 for drainage improvements.

Project Status: Wetland survey has been completed and forwarded to Arcadis

## **Drainage Projects**

### Dobbs Road Basin Improvements (Non-bond)

Phase Status: Final Design 100%

Current Phase Funded: Design, Permitting

Consultant: Jones Edmunds

Project Manager: Douglas Tarbox

Project Scope: Project is intended to take preliminary design alternatives and produce a final design including plans for construction for Moultrie Creek Tributary #3.

Project Status: Floodplain Study & Flood Protection Alternatives Analysis Reports were completed under the Countywide Drainage Study Update CIP. Supplemental survey information has been submitted to Jones Edmunds. The Stormwater model will be updated as necessary and then recalibrated prior to refining the preliminary design components. On the recommendation of Jones Edmunds, the remainder of this project will be implemented with the countywide Stormwater model.

### Duval & St Johns Street Area Improvements (Non-bond)

Phase Status: Design 30%

Current Phase Funded: Design, Permitting, Land Acquisition

Consultant: Prosser Hallock, Inc

Contractor: Not applicable at this time

Project Manager: Mike Adams

Project Scope: Improvements will be in the West St. Augustine area, the subject area is bounded on the north by West King St, on the west by S. Volusia St., on the south by W. 15th St., and on the east by Duval St. Work will include design and construction of roadway and drainage improvements and the identification of storm water attenuation and treatment facilities as well as required right of way acquisition.

Project Status: 100 % plans due in Aug 10.

## Drainage Projects

### Intracoastal Area Wilderness (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design, Permitting, Land Acquisition

Consultant: Stone, Joca & Mahoney, Inc

Contractor: Not applicable

Project Manager: Mike Adams

Project Scope: This basin encompasses approximately 3,463 acres and is bounded by SR A1A to the East, the Intracoastal Waterway to the West, Solana Road (CR210A) to the North, and Palm Valley Road (CR210) to the South in the Ponte Vedra/Palm Valley area. Improvements include upgrading existing conveyance facilities, installation of new collection and conveyance facilities, replacement of cross-drains, construction of treatment/attenuation facilities, re-grading of existing ditches, erosion control measures, and associated roadway improvements. The need for acquisition of additional drainage easements is anticipated.

Project Status: Bid documents are being prepared.

### Mitigation Plan (Bond)

Current Phase Funded: Permitting, Land Acquisition

Consultant: SJC Real Estate Team

Project Manager: Amy Gilboy Meide

Project Scope: Provide needed wetland mitigation for St. Johns County transportation projects.

Project Status: In Basin 5, the wetland restoration and creation project has been completed at the Turnbull Creek Regional off-site Mitigation Area. This County-owned property will provide wetland functional gain unit to off-set County infrastructure project impacts. All vegetation has now been planted at the site and monitoring has started. Currently, pine trees are being thinned per District requirements in order to return historical hydrology to area. Once a County project in Basin 5 needs to mitigate for impacts, the area will be placed under a Conservation Easement. In Basin 9, approximately 430 acres was purchased as mitigation for future County wetland impacts. The properties purchased have both restoration and enhancement potential, thus increasing wetland functional gain units the County could receive. Mitigation plans are currently being devised for both properties. Sites in Basin 8 will be evaluated in the upcoming year.

## **Drainage Projects**

### North First Street Drainage (Non-bond)

Phase Status: Construction 75%

Current Phase Funded: Design, Construction

Consultant: Jones Edmunds

Contractor: S.E. Cline

Project Manager: Joan Anderson

Project Scope: This project is intended to alleviate localized flooding in the Ponce de Leon Heights area. The study area is bounded by SR 16 on the south, North First Street on the east, North Tenth Street on the west, and Delespine Avenue on the north. North First Street drainage ditch improvements are needed for vehicular and pedestrian safety.

Project Status: Cross culverts completed. Guardrail and overlay work commenced the week of February 22.

### Ravenswood Drive Drainage System (Non-bond)

Phase Status: Design 30%

Current Phase Funded: Design, Construction

Consultant: Matthews Design Group

Contractor: Not applicable at this time

Project Manager: Greg Caldwell

Project Scope: Replace 1040 feet of storm drain pipe on Ravenswood Drive.

Project Status: The Ravenswood drainage project has been submitted as part of a Disaster Recovery CDBG grant. The grant could fund construction of the improvements identified in the preliminary engineering report. 60% plans due at the end of March.

## **Drainage Projects**

### Roscoe Outfalls (Non-bond)

Phase Status: Design 100%, Construction 5%

Current Phase Funded: Design, Permitting, Land Acquisition

Consultant: Stone, Joca & Mahoney, Inc

Contractor: A W A (outfall at 53 N Roscoe)

Project Manager: Mike Adams

Project Scope: Acquire easements and repair outfalls along Roscoe Blvd and the intersection of Canal and Roscoe Boulevards. Approximately 10 cross culverts will be repaired/upgraded and will require open cuts on Roscoe Blvd.

Project Status: Construction in progress.

### Santa Maria Blvd Drainage System (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design

Consultant: Connelly & Wicker

Contractor: Not applicable at this time

Project Manager: Greg Caldwell

Project Scope: Replacement of 4,000 feet of corrugated metal pipe on Santa Maria Blvd.

Project Status: The FDOT drainage permit has been submitted. 100% plans have been received.

## **Bridge Projects**

### CR 13 Hastings Bridge Replacement (Non-bond)

Phase Status: Design 45%

Current Phase Funded: Design, Permitting, Land Acquisition

Consultant: HDR Engineering

Contractor: Not applicable at this time

Project Manager: Nick Perpich

Project Scope: Replace Bridge # 784002 on East St Johns Avenue over a branch of Deep Creek.

Project Status: 60% plans are due in March. Design should be completed Summer 2010.

## **Bridge Projects**

### CR208 Bakersville Bridge (Non-bond)

Phase Status: Construction 80%

Current Phase Funded: Construction

Consultant: HDR

Contractor: Westwind Contracting

Project Manager: Nick Perpich

Project Scope: Replacement of four culverts on CR 208 west of Bakersville. The new structure will be a four-cell concrete box culvert.

Project Status: Major items of work include completion of quad culvert on the south side of the project.

## **Maintenance Projects**

### County Wide Stormwater (Non-bond)

Current Phase Funded: Design, Permitting, Construction

Consultant: Not Applicable

Contractor: Not Applicable

Project Manager: Joan Anderson

Project Scope: Provides for a rapid and flexible response to drainage issues on an as-needed basis.

Project Status: Several projects have been identified. Currently awaiting proposals from A.W.A. Contracting.

### Countywide Safety (Non-bond)

Current Phase Funded: Design, Permitting, Construction

Consultant: SJC Traffic & Transportation

Contractor: SJC Traffic & Transportation, Engineering Pavement Management

Project Manager: Greg Kennedy, Joan Anderson

Project Scope: Provides for a rapid and flexible response to safety issues as they arise. Roadway safety issues that arise during the year are addressed on an "as-needed" basis. Work may include repair and replacement of guardrail.

Project Status: The intersection of Southpark Boulevard and Old Moultrie Road has met the warrant requirements for a street light installation. Both roads are urban collectors; Southpark Boulevard is the most direct route to Flagler Hospital from Old Moultrie Road and has a volume of 3400 vehicles per day. Old Moultrie Road carries 19,700 vehicles per day.

## **Maintenance Projects**

### Shore Drive Slope Stabilization (Non-bond)

Project Manager: Douglas Tarbox

Project Scope: Re-establishing a stable cross slope and installing a structure to reduce further erosion.

Project Status: Task order is in process for Design.

## **Administration/Engineering Study Projects**

### FEMA Berm Summer Haven R203-R211 (Non-bond)

Consultant: Taylor Engineering

Contractor: Not Applicable at this time

Project Manager: Andrew Ames

Project Scope: The FEMA team has evaluated SJC Summer Haven reach and determined that reconstruction of the Emergency Sand Berm will be given a PW upcoming. This is a shore protection project with continuing monitoring anticipated every year.

Project Status: Contract issued. Plans and permit preparation is underway. To be submitted end of January 2010. An initial public meeting will be held to discuss project in the coming months when preliminary data is completed.

### National Pollutant Discharge Elimination System (Non-bond)

Current Phase Funded: Permit Implementation

Consultant: Greenman Petersen, Inc, WAV Coordinator Team, Applied Sciences

Contractor: Not Applicable

Project Manager: Jay Kamys

Project Scope: Implementation of the NPDES permit program.

Project Status: GPI preparation of NPDES report near completion.