



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

Project Updates Through March 19, 2012

Capacity Projects

CR 210/I-95 Interchange Improvements (Phase II) (Non-bond)

Phase Status: Design 90%, Permitting 40%, Land Acquisition 30%

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

Consultant: Prosser Hallock, Inc.

Contractor: Not applicable at this time

Project Manager: Mike Adams

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

Project Status: Continuing with minor design changes and acquiring the required real estate.

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

Phase Status: Construction 25%

Current Phase Funded: Construction

Consultant: Arcadis

Contractor: Petticoat Schmitt Civil Contractors

Project Manager: Greg Caldwell

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

Project Status: Petticoat-Schmitt contractors have completed the utility adjustment and drainage along the northeast corner of US 1 & SR 312. Lane closures will begin the last week of January and continue through the duration of the project.

Capacity Projects

Volusia Street/Four Mile Road Seg 3 (Bond)

Phase Status: Design 100%, Land Acquisition 100%

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: This project is out for bid. The mandatory pre-bid meeting has taken place and bid opening is on March 28, 2012.

Safety Projects

Countywide Sidewalk Projects (Non-bond)

Current Phase Funded: Construction

Consultant: Not applicable

Contractor: AWA Contractors

Project Manager: Joan Anderson

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

Project Status: Sidewalk connection on the north side of SR A1A and Ponte Vedra Blvd. currently on hold; constructing the sidewalk on the south side in lieu of the north side is currently under review. Construction of ramps and crosswalk re-alignment at Bishop Estates Rd and Race Track Rd will be underway in the near future.

SR A1A & Coastal Highway Signal Replacement (HMGP) (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design, Construction

Consultant: Arcadis

Project Manager: Greg Caldwell

Project Scope: Replacement of an existing strain pole with a mast arm signal.

Project Status: Bid opening for this project is on March 21, 2012.

Safety Projects

SR A1A & Solano Road Signal Replacement (HMGP) (Non-bond)

Phase Status: Design 05%

Current Phase Funded: Design, Construction

Consultant: Arcadis

Project Manager: Greg Caldwell

Project Scope: Replacement of an existing strain pole signal with a mast arm signal.

Project Status: The design and permitting of this project is underway.

Traffic Calming Program (Non-bond)

Current Phase Funded: Study

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: No current candidates have been identified.

Sidewalk Projects

Palm Valley Area Sidewalks (Non-bond)

Phase Status: Design 90%

Current Phase Funded: Design, Construction

Consultant: England, Thims and Miller

Project Manager: Mike Adams

Project Scope: Design and construction of three (3) segments of sidewalk: Palm Valley Bridge to CR 210 round-a-bout, approximately 1.1 miles; Mickler Road from round-a-bout to Cuello Court, approximately 0.9 miles; and Palm Valley Road from round-a-bout to Bay Cove Drive, approximately 0.4 miles.

Project Status: Public meeting held on 29 Feb 12 indicated majority support for the project.

Drainage Projects

Avenue D Drainage Basin Evaluation (Non-bond)

Phase Status: Design 90%, Study 100%

Current Phase Funded: Design, Permitting

Consultant: Stone Engineering

Project Manager: Nick Perpich

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: Currently reviewing 90% design plans.

Countywide Stormwater Model (Non-bond)

Phase Status: Study 40%

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:

Northwest Regional Model
Water level recorders were relocated – 2 in Mill Creek study area, 2 in West Augustine study area, and 2 remain in NWRM on Sampson Creek.
Model finalization and calibration under way.
Anticipate generation of draft floodplains in about 2-3 months depending on model behavior.

West Augustine Regional Model
Survey nearing completion.
Kicked off task order for model completion and floodplain development.

Moses and Moultrie Regional Model
Completing preliminary model schematic and identification of features to survey.

Mill Creek Regional Model
Received, reviewing, and integrating survey data from the County.
Initial model parameterization continues.

Ponte Vedra Regional Model
Kicked off task order for first phase of model development.

Regional Model Implementation
Draft data standards document to be provided this month for County review and comment.
Data transfer processes in conceptual stage – will test following County review of data standards.

FEMA CTP
Mapping Activity Statement executed with FEMA.
Coquina Crossing LOMR application being reviewed by FEMA.
RAI response delivered – only outstanding issue is FEMA request for \$5,300 fee to address crossing previously installed by developer.

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:
- Masters Tract RST –The 90% plan sets are in progress in parallel with the draft Environmental Resources Permit package. Responses to FDEP's comments on the Preliminary Engineering Report will be provided with the ERP package.
 - Water Quality Monitoring – Intensive dissolved oxygen sampling conducted in July/August. Ambient monthly sampling began at the end of August.
 - DO TMDL Assistance – Project started in September 2010 and coordination is underway to plan a meeting with FDEP and EPA to discuss Lower St. Johns River tributary TMDLs.
 - Countywide RST Feasibility Study – Complete
 - BMAP progress report for Year I – Complete

Drainage Projects

CR 13 Culvert Replacement (Non-bond)

Phase Status: Design 90%, Permitting 50%, Construction 20%

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: Survey is complete for the remaining culverts. Plan sheets are being set up. Have received the final plans for culverts 17-21 and 29-35. Anticipate construction as funding becomes available.

Drainage Projects

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

Phase Status: Construction 60%

Current Phase Funded: Construction

Consultant: Prosser Hallock, Inc

Contractor: R&B Contracting, Inc.

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: Construction is in progress.

Masters Tract (Non-bond)

Phase Status: Design 95%

Current Phase Funded: Design

Consultant: Jones Edmunds & Assoc.

Project Manager: Greg Caldwell

Project Scope: Design and Construction of the regional storm water treatment facility.

Project Status: The preparation of the 319 grant application will be complete and ready for submittal within the next 30 days.

Drainage Projects

Mitigation Plan (Non-bond)

Current Phase Funded: Permitting, Land Acquisition

Consultant: SJC Real Estate Team

Project Manager: Tony Cubbedge

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

Project Status: Turnbull Creek is a fully functioning Regional Offsite Mitigation Area (ROMA). This ROMA provides the County with 159 Functional Gain Units (FGUs) for future Public Works projects in Basin 5. The first deduction was used for the Racetrack Road project and the CR 210/I-95 deduction is in the works, leaving a balance of 155 FGUs. In Basin 9, approximately 430 acres were purchased as mitigation for future County wetland impacts. The properties purchased have both restoration and enhancement potential. Mitigation plans are being reviewed by the Corps and District. Final UMAMs have been accepted by the Corps and the permit has been issued. County staff are reviewing the permit. The Masters Tract in Basin 8 is being reviewed by the Corps and District as part of the Regional Stormwater Pond application and will become another regional mitigation site. A conservation easement was developed for the Masters and Tatum tract as part of the Masters Pond RAI. Final UMAMs were submitted to the SJRWMD and Corps.

Ravenswood Drive Drainage System (Non-bond)

Phase Status: Construction 85%

Current Phase Funded: Construction

Consultant: Matthews Design Group

Contractor: Progressive Contractors

Project Manager: Greg Caldwell

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

Project Status: The project is approximately 85% complete. The drainage installation along Masters Drive and Ravenswood Drive is complete. The County is finalizing the additional funding through the Department of Economic Opportunity for the next phase of this project.

Drainage Projects

Roscoe Outfalls (Non-bond)

Phase Status: Construction 15%

Current Phase Funded: Construction

Consultant: Stone Engineering

Contractor: Turnbull Environmental, Inc.

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 is underway.

Maintenance Projects

Countywide Guardrail & 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: An estimate of probable cost to replace the guardrail on Flora Branch Bridge is \$ 35,000. This work will be accomplished under State Contract with R.J. Enterprize . A task order and specific schedule for completion of the work is forthcoming.

Countywide Stormwater (Non-bond)

Current Phase Funded: Design, Permitting, Construction

Consultant: Not Applicable

Contractor: Not Applicable

Project Manager: Joan Anderson, Nick Perpich

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

Project Status: Bishop Estates update: DRMP is continuing with design outfalls #3 and #4 to 60% plans. We will be issuing a task order to DRMP to complete Outfalls #1 and #2 design and permitting.

Administration/Engineering Study Projects

National Pollutant Discharge Elimination System (Non-bond)

Current Phase Funded: Permit Implementation

Consultant: WAV Coordinator Team, Jones Edmunds and Associates

Contractor: Not Applicable

Project Manager: Jay Kamys, Andrew Ames, Tony Cubbedge

Project Scope: Implementation of the NPDES permit program.

Project Status: Invoice #3 in final preparation for submission to FDOT.
Collecting updated logs and information for NPDES MS4
Housekeeping at County sites.
Met with consultant and established plan to gather all remaining
data for Yr 4 NPDES report due July 2012.
Contract details being worked out for continuing with
consultant for next NPDES permit.