



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

Project Updates Through September 23, 2011

Capacity Projects

I-95 at CR 210 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.

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

Phase Status: Construction 100%

Current Phase Funded: Construction

Consultant: CH2MHill

Contractor: Jacksonville 18

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: Punch list items are complete, awaiting the certified As-builts.

Capacity Projects

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

Phase Status: Design 100%

Current Phase Funded: Design, Construction

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: Bids are currently in the review process.

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 under review.

Safety Projects

Countywide School Zone Safety (Non-bond)

Phase Status: Traffic Study 100%

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: Equipment has been delivered for conversion of (10) AC powered beacons to solar power. Work will be completed before the beginning of the school year.

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: Construction of the connecting sidewalk at SR A1A and Ponte Vedra Blvd to begin within the next couple of weeks.

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

Phase Status: Design 100%

Current Phase Funded: Design, Construction

Consultant: Not applicable at this time

Project Manager: Greg Caldwell

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

Project Status: FDOT has completed and submitted a set of plans to the County for construction.

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

Phase Status: Design 05%

Current Phase Funded: Design, Construction

Consultant: Not applicable at this time

Project Manager: Greg Caldwell

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

Project Status: An RFP has been advertised for the design, permitting, and grant administration of the project.

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: The Reef Drive traffic calming package has been approved by BCC. Road and Bridge will install the devices.

Sidewalk Projects

CR210 & Palm Valley Area Sidewalks (Non-bond)

Phase Status: Design 05%

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: 60% submittal due 22 Sep 11.

Drainage Projects

Avenue D Drainage Basin Evaluation (Non-bond)

Phase Status: Preliminary Engineering 30%, Study 100%

Current Phase Funded: Preliminary Engineering, Study

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: Field survey data collection phase complete. Awaiting final survey results.

College Park Drainage Improvements (Non-bond)

Phase Status: Construction Phase I 97%, Construction Phase II 80%

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: Phase I Construction of the Pond is nearly complete. Hurricane pumps were successfully tested. Phase II Construction of the box culvert on Northwood Drive began in February. This will tie Fox Creek into the Pond. The box culvert, diversion box, and ditch pavement will take about seven months to complete. In September the controlling item of work is the ditch pavement and diversion boxes.

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: 1. Regional models

NWRM

i. Monitoring underway and waiting for rain. Historically September and October have been the best months for calibration events (>1 inch in 24 hours).

ii. Initial parameterization has been completed for all model areas. The memo covering all areas has been updated and is going through QC.

iii. Models are running for all phases. 2A and 2B are running together. 2C is split into 2 models. We are waiting to do some calibration before combining all models, but may combine them if a calibration event does not occur in the next few weeks.

MCRM

i. Phase 1 complete. Survey needs identified and provided to County surveyor for review relative to as-builts and existing County data.

ii. Phase 2 anticipated in FY12.

WARM

i. Phase 1 complete. Survey needs identified and provided to County surveyor for review relative to as-builts and existing County data.

ii. Phase 2 anticipated in FY12.

MMRM

i. Existing data inventory and digital terrain development is underway. Basin delineation has begun.

2. FEMA CTP

a. MAS revised to incorporate additional \$50K funding from FEMA. Plan to add Salt Creek Ditch to SERM AOI. QA/QC plan

b. CRS credit review results. Significant rating points available to County through regional modeling and CTP agreement. Other points available in multiple areas covering outreach, policies and LDC. Meeting with building dept. likely next step.

3. Regional Stormwater Model Implementation Support

a. Draft standard GDB developed and ready for County review.

b. Data dictionary rough draft prepared and in need of County input regarding structure and content level of detail.

c. Maintenance procedures to be developed following standard GDB close to completion.

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

CR 13 Culvert Replacement (Non-bond)

Phase Status: Design 90%

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: Plan comments are being implemented and anticipate submitting to the SJRWMD within a month for permitting. Scoping for the next culverts should start in September.

Drainage Projects

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

Phase Status: Construction 20%

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.

Intracoastal Area Wilderness (Non-bond)

Phase Status: Construction 99%, Construction Phase I 99%, Construction Phase II 99%

Current Phase Funded: Construction

Consultant: Stone Engineering

Contractor: Masci

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: Finalizing project closeout.

Drainage Projects

Master's Tract Regional Stormwater Treatment Facility (Non-bond)

Phase Status: Design 90%

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 project has been submitted to the Water Management District.

Mitigation Plan (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) for St. Johns County in Basin 5. The ROMA provides the County with 159 Functional Gain Units that can be used for future County Public Works projects. The first deductions are in process for the Racetrack Road and CR 210/I-95 projects. In Basin 9, approximately 430 acres was 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. 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.

Ravenswood Drive Drainage System (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design, 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: Notice to Proceed was issued to the Contractor on August 11, 2011.

Drainage Projects

Roscoe Outfalls (Non-bond)

Phase Status: Construction 01%

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: Awaiting final contract documents and Notice-To-Proceed

Bridge Projects

CR 13 Hastings Bridge Replacement (Non-bond)

Phase Status: Construction 20%

Current Phase Funded: Construction

Consultant: HDR Engineering

Contractor: Commercial Industrial Corporation

Project Manager: Nick Perpich

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

Project Status: Construction of the new bridge began on July 11 and will take approximately 6 months to complete. East St. Johns Ave will be closed at the bridge during the construction. Bridge piling have been installed. Currently, the Mud Slabs and Bent Caps are being constructed then the bridge deck will commence.

Maintenance Projects

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: A guardrail replacement project at the bridge crossing Six Mile Creek is proposed to be incorporated as a bid alternate in a upcoming resurfacing project along this segment of CR-13

Countywide 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: Bishop Estates Road Drainage Improvements - 60% plans were submitted in May. Engineering is reviewing the plans and will meet with the St. Johns River Water Management District in June to begin permitting. Design should be completed in August. Deltona Pipe Replacement construction is complete.

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: Through Code Enforcement and St. Johns County Watershed Protection Program all issues in these areas are covered. Tony Cubbedge following up on Jones Edmund agreement.