



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

Project Updates Through August 11, 2010

Capacity Projects

CR 210 Median Landscaping (Non-bond)

Phase Status: Construction 90%

Current Phase Funded: Construction

Consultant: Arcadis

Contractor: Austin Outdoors

Project Manager: Joan Anderson

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

Project Status: Planting of cathedral oaks and crepe myrtals underway.

CR 214 Milling and Resurfacing (Non-bond)

Phase Status: Construction 65%

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: Headwall extensions in process; milling and resurfacing still to be completed between I95 and Holmes Blvd.

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 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: Second draft resubmitted for approval.

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

Phase Status: Design 75%, 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: Andrew Ames

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

Project Status: 50% plans produced. Real Estate acquisitions underway.

Capacity Projects

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.

Racetrack Road 4 Laning (Bond)

Phase Status: Design 90%

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: 100% plans due in August.

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

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

Current Phase Funded: Design

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: Construction will commence in August.

Capacity Projects

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: Moving towards 100% plans.

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: Land acquisition is in the final phase and utility coordination is on-going. Meeting with consultant on July 8. Permits approved by staff at SJRWMD and ACOE; not signed and mailed out at this time.

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

Phase Status: Design 40%

Current Phase Funded: Design, Permitting, Land Acquisition

Consultant: PBS&J

Contractor: Not applicable at this time

Project Manager: Nick Perpich

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 Status: Design is continuing toward 60% plans which are due in December.

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: The speed zone study is complete. The BCC approved the speed zones on August 3.

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: The first stage of construction for ADA compliance on County sidewalks is underway.

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: Survey field data currently in the process of being obtained in order to prepare the cross sections of proposed sidewalk on either side within the existing ROW.

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: Dondanville Road residents have met ballot requirements for physical traffic calming devices. A public meeting will take place regarding Captains Point in mid September.

Drainage Projects

Avenue D Drainage Basin Evaluation (Non-bond)

Phase Status: Original Study 15%

Current Phase Funded: Original Study, 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: First submittal of study is due in August 2010.

Drainage Projects

College Park Drainage Improvements (Non-bond)

Phase Status: Construction 65%

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. Installation of the pumping stations is progressing.

Corona Road Weir (Non-bond)

Phase Status: Design 100%

Current Phase Funded: Design, Construction

Consultant: Stone Joca Associates

Contractor: S.E. Cline

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: Notice-To-Proceed is scheduled for 9 Sep 10 with completion around Apr 2011.

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: Southeast Regional Model (SERM):
Final draft floodplains were prepared for all storms – they will be undergoing internal QA over the next 2 weeks.
A draft of the final memorandum documenting the floodplain development was prepared.

Southwest Regional Model (SWRM):
Draft floodplains were finalized for all storm events – they will be undergoing internal QA over the next 3-4 weeks.
Level of service assessment will be performed using the floodplains.

Northwest Regional Model (NWRM):
The Surface Water Assessment memorandum was submitted.
Preliminary model runs are being finalized in the NWRM 2A subwatersheds.
Parameterization of the NWRM 2B subwatersheds – Cunningham Creek, Flora Branch, and Orange Grove Creek – will commence next week and continue through August.

Mill Creek Regional Model (MCRM):
DTM Development and Existing Data Inventory and Analysis are underway.

West Augustine Regional Model (WARM):
DTM Development and Existing Data Inventory and Analysis are underway.

Model implementation:
Further activities pending an update meeting with stakeholders to provide direction.

FEMA Cooperating Technical Partner Assistance:
CTP training was attended.
MOU awaiting County signature.
Further action with FEMA pending MOU.

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 review
- Masters Tract RST – Preliminary Engineering Report – Draft complete - Scope and fee for design in progress. Masters Tract closed on April 2, 2010
- Countywide RST Feasibility Study – complete
- BMAP progress report complete for Year I
- Preliminary water sampling scoping finalized

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: Task orders have been issued to AWA for the extension of four box culverts, construction should begin in August.

60% plans are under review from Arcadis for four other box culvert locations.

Drainage Projects

Dobbs Road Basin Improvements (Non-bond)

Phase Status: Study 100%

Current Phase Funded: Permitting, Study

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: Lift Station construction to begin in Aug 2010 with completion in Jan 2011.

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: BCC has approved the Bid award to MASCI Corp. The Contract is working it's way through the County's process.

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: Currently at the Turnbull ROMA in Basin 5, pine trees are being thinned per District requirements in order to return historical hydrology to area. A Conservation Easement is also being prepared and awaiting approval from the District to record. This will place more than 700 acres under protection which can be used for future mitigation impacts in Basin 5. 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 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 additional sites in Basin 8 will be evaluated in the upcoming year, as funding allows.

Drainage Projects

Ravenswood Drive Drainage System (Non-bond)

Phase Status: Design 60%

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. 30% plans received, reviewed and returned to consultant.

Roscoe Outfalls (Non-bond)

Phase Status: Construction 50%

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 at 53 N. Roscoe Blvd.

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: Contract going to BCC for approval on August 17.

Bridge Projects

CR 13 Hastings Bridge Replacement (Non-bond)

Phase Status: Design 100%

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

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: Design is complete, and 100% plans were received in early August 2010. The SJRWMD permit has been obtained.

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: Implementing guardrail improvement plan.

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: Shores Blvd at Dorado Dr construction should be completed within the next two weeks. Construction has begun on CR 208 with the replacement of 48' of cross culvert pipe and headwalls with an anticipated August 18th completion date.

Maintenance Projects

Shore Drive Slope Stabilization (Non-bond)

Phase Status: Design 60%

Consultant: Ayres & Associates

Project Manager: Douglas Tarbox

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

Project Status: The previously issued FDEP permit has been extended for one year. Anticipate 100% plans for review in the next two weeks.

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: Received notice of intent from FDEP.

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: Jones Edmunds scope for Year 3 NPDES Annual Report concluded. SJRWMD expects to discontinue cost share for education component - we'll work with WAV coordinators to maintain our education component for our Permit. All reprints of education materials completed. Storm drain markers and door hangers on order - additional spill kits will be distributed as needed.