

# **PUBLIC WORKS STATUS REPORT**

## **Project Status Report – August 2017**

### **Engineering Services:**

#### **Active Projects:**

##### **1. Pages Dairy/Chester Intersection – (Design)**

**Budget: \$5,150,000**

**Estimated Completion Date: Winter 2018**

Status: In April, 2016 the Commission approved for this project to be included on the Capital Improvement Plan. This project will essentially "4 lane" Chester Road from Courtney Isles Parkway through the intersection, creating a 4 lane section from SR A1A to Page's Dairy Road. The project will include signalization of the intersection and railroad improvements/modifications to facilitate the new roadway width. This project also resurfaces a section of Chester Road north of Heron Isles that had been deferred previously. The Commission authorized staff to enter into negotiations for the design of the project at the August 17, 2016 meeting. A design kickoff meeting was held on December 12, 2016 and design is underway. We met with the consultant regarding the preliminary design and directed them to ensure that pedestrians and cyclists are accommodated through the intersection and on Pages Dairy Road. We also directed the consultant to do additional work at the intersection of Pages Dairy and Felmor road. We note that these improvements (paved shoulders on Pages Dairy and intersection improvements at Felmor) were not anticipated when the funding was requested from FDOT and we will have to explore additional funding sources and/or bid these improvements as alternates once the consultant can estimate the additional costs. We also met with the design consultant on April 18, 2017 and to accommodate pedestrians and bicycles through the intersection will require them to change the design from a "rural" roadway utilizing swales to an "urban" roadway utilizing curb and gutter with a piped drainage system. This is due to the right of way constraints in the area. The consultant noted that our budget was based on the less expensive "rural" roadway which is not feasible unless bike and pedestrian facilities are not included for the Chester and Pages Dairy intersection. The Consultant is now refining their estimate based on our direction for them to include pedestrian facilities at the Chester/Pages Dairy intersection and the additional improvements at the Felmor/Pages Dairy intersection. At the Capital Improvements discussion on June 21, 2017 additional funding was only provided for the improvement to Pages Dairy Road. Staff is working with the Consultant to determine the scope of necessary changes based on this funding decision. An update will be provided at the August 28, 2017 BOCC meeting.

##### **2. Crawford Road Paving – (Design & Right of Way Acquisition)**

**Budget: \$6,292,170**

**Estimated Completion Date: Fall/Winter 2017**

Status: In September, 2013 the Commission approved for this project to be included on the Capital Improvement Plan. A design kickoff meeting was held May 8, 2014 and the preliminary design and concept report was submitted in the first week of July, 2014. We are also working with the County Attorney regarding draft Right of Way acquisition agreements and presented the first (of two) with Rayonier/Terrapointe to the Commission

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on July 27, 2015. We presented a similar agreement regarding WestRock for Commission consideration which was approved at the August 19, 2015 meeting. At the March 16, 2016 meeting the Commission directed staff and our consultant to proceed with designing and constructing the 40 mph alternative out of Norfolk Southern right of way. The Consultant has revised the design schedule at this time and we have authorized them to begin the associated design and surveying. Plans were submitted on May 17, 2016 (90%) for review by staff. On May 25, 2016 Norfolk Southern Railroad informed us that they would not allow us to construct the roadway without going through their processes. They requested and were sent the 90% plans so that they can review them and send us a “Preliminary Engineering” agreement for execution by the Commission. This agreement was executed by the Commission at the July 20, 2016 meeting. The railroad has requested an additional \$4,000 to locate a fiber optic cable in their right of way and the County Manager has approved that amendment to our agreement with Norfolk Southern. The railroad has also provided direction as of March, 24 2017 that we are to supply: ROW plans, an offer, Appraisal, Plats and Legal Descriptions and other items for acquisition of the 10+- Temporary Construction Easement (TCE). We were aware that the TCE was required since we entered into the agreement with the railroad but these requirements were not expected. The time to complete these items (appraisal and legal descriptions) and the “minimum” six (6) month review time will impact the project schedule negatively by approximately 9 months.

The final agreement for land donation from Rayonier/Terrapointe was approved at the October 10, 2016 Commission meeting and a routine amendment to that agreement will be presented to the Commission on April 10, 2017. We are currently working on a similar final agreement with WestRock and have received legal sketches and descriptions and begun to acquire appraisals for property acquisition. We expect to take a final agreement to the Commission regarding the WestRock property once the appraisal is complete.

#### **3. CR 115 Widening and Resurfacing from Henry Smith Road to Bypass Road**

**Budget: \$8,000,000**

**Estimated Completion Date: Winter 2019**

Status: At the County Commission Meeting of July 6, 2016, the Board directed staff to work with FDOT for the widening and resurfacing of CR 115 from Bypass Road to Henry Smith Road. We have also coordinated with FDOT to get the resurfacing project’s funding applied to the widening project so that we can begin design utilizing those funds. We received a supplemental agreement that added \$3,640,000 to the project and presented that to the Commission in December, 2016. We also expect another supplemental agreement to be issued in the amount of \$3,500,000 in late summer of 2018 when that funding becomes available. The responses from firms interested in performing this were due on November 16, 2016 and have been reviewed by staff which met on January 13, 2017 to rank the letters of interest and then solicit full proposals. We have selected four (4) of the ten (10) firms to submit full proposals which were due on February 28, 2017. The Commission approved the rankings at the May 17, 2017 Commission meeting. Staff is anticipating the design contract and supplemental funding agreement will be presented at the August 28, 2017 Commission meeting.

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#### **4. Thomas Creek Road Resurfacing – (Design)**

**Budget: \$924,000**

**Estimated Completion Date: Summer 2017**

Status: On March 16, 2016 the Commission approved a Small County Road Assistance Program (SCRAP) agreement for FDOT to fund the construction of this project (\$924,000) and for this project to be included on the Capital Improvement Plan with a budget of \$1,178,000 which will fund the CEI services and a 15% contingency. The project will resurface Thomas Creek Road from US301/SR200 to the Duval County line (4.5 miles). Staff has completed the plans and technical specifications for this project. We have now finalized the bid documents and received concurrence from FDOT to bid the project. We expect to release the project for bids once we have CEI firms on continuing contract. Staff anticipates advertising for bids by the end of August 2017.

#### **5. Andrews Road Resurfacing – (Design)**

**Budget: \$896,000**

**Estimated Completion Date: Fall 2017**

Status: On March 16, 2016 the Commission approved a Small County Road Assistance Program (SCRAP) agreement for FDOT to fund the construction of this project (\$704,000) and for this project to be included on the Capital Improvement Plan with a budget of \$1,178,000 which will fund the CEI services and a 15% contingency. The project will resurface Andrews Road from CR121 to US1. (3.5 miles) The design for this project is now underway. We have completed the plans and specifications and they have been sent to FDOT for concurrence to bid. We expect to bid this project once we have continuing CEIs on contract and may bid this project concurrently with Thomas Creek Road. Staff anticipates advertising for bids by the end of August 2017.

#### **6. Thomas Creek Restoration Project, Phase 8 – (Construction)**

**Budget: \$500,000**

**Estimated Completion Date: January 2018**

Status: The Thomas Creek Restoration Project, Phase 8 is being funded by a \$500,000 REDI Community & Innovative Projects Cost-Share Program grant from St. Johns River Water Management District (SJRWMD). The project consists of the restoration and de-snagging of Thomas Creek from 5,500 LF west of U.S. 1 (end of Phase 7) for approximately 5,500 LF. The intent is to restore the functionality of the creek in order to aid in the conveyance of storm water from the watershed of Thomas Creek, which has been shown to help alleviate flooding issues. The grant contract with SJRWMD was approved by the BOCC at March 15<sup>th</sup> meeting, the amendment to add Phase 8 to the contract with Hayward construction was approved at the May 8<sup>th</sup> BOCC meeting. A pre-construction meeting was held on May 17, 2017 for this phase of the restoration. Notice to proceed was issued on June 19, 2017. Construction began on June 19<sup>th</sup> and an estimated 5,300 LF is to be completed.

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### **7. Simmons Road Trail - (Design)**

**Budget: \$275,000**

**Estimated Completion Date: Late 2018**

Status: This project is being funded by the Florida Department of Transportation (FDOT) through their Local Agency Program (LAP). The design consultant was selected and their contract negotiated by FDOT. The design will be managed jointly by the engineering and planning departments. A design kickoff meeting was held on July 14, 2016 and we received 30% plans on November 23, 2016. Comments on the 30% plans have been given to the designer and staff conducted a public meeting on March 2, 2017 at 5 p.m. to receive input on the project. Staff has since collected all public comments and submitted them to the design consultant. A Public Information Meeting was held on July 12, 2017 to review the 90% plans with the public. Staff is still working to finalize drainage concerns at Simmons and First Avenue

### **8. Dyal Road Paving (Right of Way)**

**Estimated Cost: \$632,000**

**Estimated Completion Date: TBD**

Status: Based on Commission direction we have estimated the cost of paving approximately .5 miles of Dyal Road that was left unpaved when the remainder of the road was paved many years ago. We have completed a Right of Way map and had title searches done for all of the properties in the area of the project. It appears that this portion of the roadway was not paved due to the 40' Right of Way that the county has for the majority of the project's limits. There are 11 landowners that would have to convey 10' of their property to the County to create a 60' Right of Way. The Commission tentatively approved funding for the right of way process for FY 17/18.

### **9. S. 14<sup>th</sup> Street Resurfacing - (Design)**

**Estimated Cost: \$1,230,000**

**Estimated Completion Date: Summer 2019**

Status: The FDOT has programmed \$1,229,939 to resurface 14<sup>th</sup> Street from Sadler Road to the Amelia Island Parkway. The Commission entered into a Small County Road Assistance Program (SCRAP) agreement with the FDOT on March 13, 2017 to fund the design, construction and CEI services for a total of \$1,229,939. We have also solicited a scope and fee to design the project and will present that to the Commission at the April 10, 2017 meeting. The agreement with the FDOT states that construction is to begin by March 1, 2018 but we intend to ask the consultant to compress that schedule as much as possible. We sent a "Notice to Proceed" to design to the consultant on April 18, 2017 and design is now underway.

### **10. CR108 at Ballpark Rd School Zone Flashers – (Construction)**

**Estimated Cost: \$22,500**

**Estimated Completion Date: August 2017**

Status: Existing budget year funds up to \$22,500 have been reserved to install ground mounted, solar powered, reduced speed, flashing school zone beacons and make improvements in the related school signs and markings. We have solicited formal quotes

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### **Project Status Report – August 2017**

for the installation of the flashing beacons and accepted the low proposal of \$12,750. We have issued a “Notice to Proceed” for installation of the beacons. We are soliciting a price quote from our striping contractor for pavement markings in the area. The contractor is waiting for materials to be delivered. The installation is not expected to be completed by August 10<sup>th</sup>, however, it is expected to be completed by the first part of September. New striping has been installed.

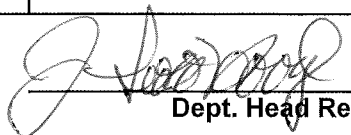
#### Recently Completed Projects:

1. **Bay Road Widening from Conner-Nelson to CR 108 – (June 2015)**
2. **A1A and Commerce Blvd Signalization (Loop Road 4) – (August 2015)**
3. **Commerce Blvd. Extension (Loop Road 4) 3P Project – (August 2015)**
4. **Jasmine Street Resurfacing and Drainage Improvements - (March 2016)**
5. **Lime Street Drainage - (June 2016)**
6. **Middle/Griffin Road Resurfacing - (January 2017)**
7. **Thomas Creek Restoration Project, Phase 7 – (January 2017)**
8. **CR 115A Bridge over Little St. Mary’s River Repair Project – (March 2017)**

## Road and Bridge Monthly Status Report Aug 2017

	<b>Location and Project</b>	<b>Description</b>	<b>Status</b>	<b>%</b>
	<b>District 1 Project</b>	<b>Keith Sawyer - Project Supervisor</b>		
	<b>None</b>			
	<b>District 1 CIP</b>	<b>David Hearn - Field Manager</b>		
	<b>None</b>			
	<b>District 2 Project</b>	<b>Keith Sawyer - Project Supervisor</b>		
1	Nassau Lakes	Drainage Maintenance	Continue Monitoring	<b>15%</b>
2	*Otter Run	Drainage Maintenance	*Videod pipe, investigating potential repair methods	<b>*65%</b>
3	North Hampton	Drainage Maintenance	Monitoring the Repairs	<b>95%</b>
4	*North Hampton	Drainage Maintenance	*Staff preparing specs and locations to submit for quote. Plan to submit RFQ Aug 2017	<b>5%</b>
5	Clements Road	Drainage Maintenance	See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>
	<b>District 2 CIP</b>	<b>David Hearn - Field Manager</b>		
	<b>None</b>			
	<b>District 3 Project</b>	<b>Keith Sawyer - Project Supervisor</b>		
	<b>None</b>			
	<b>District 3 CIP</b>	<b>David Hearn - Field Manager</b>		
	<b>None</b>			
	<b>District 4 Project</b>	<b>Darren Marsh - Project Supervisor</b>		
1	Kinard Road	Cross Replacement & Road Maintenance	*See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>
	<b>District 4 CIP</b>	<b>David Hearn - Field Manager</b>		
1	Conner Cutoff	Culvert Crossing Repair	*See Road & Bridge Monthly CIP Status Report	<b>N/A</b>
	<b>District 5 Project</b>	<b>Darren Marsh - Project Supervisor</b>		
1	Swallowfork Subdivision Road Improvements	Placing stabilizing material on the roadways in subdivision	*See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>
2	Keen Cemetery Outfall Ditch Clearing	Outfall ditch cleaning	*See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>
	<b>District 5 CIP</b>	<b>David Hearn - Field Manager</b>		
1	Ravenwood Drive	Storm Drain Structure Repair	*See Road & Bridge Monthly CIP Status Report	<b>N/A</b>
2	Nassau Oaks Subdivision	Outfall Ditch Clearing	*See Road & Bridge Monthly CIP Status Report	<b>N/A</b>
	<b>Multiple Districts Projects</b>	<b>David Hearn - Field Manager</b>		
1	Guardrail Replacement Design Services FY 2016	Guardrail Replacement at 3 Locations	*See Road & Bridge Monthly CIP Status Report	<b>N/A</b>
2	Storm Drain/Culvert	Storm Drain Repairs in various Locations	*See Road & Bridge Monthly CIP Status Report	<b>N/A</b>
3	Dirt Road Upgrades	Dirt road upgrades in various locations	*See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>
4	Millings on Dirt Roads Project	Place millings on various dirt roads	*See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>
5	Roadway Striping Upgrades	Refurbish worn striping in various locations	*See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>
6	Road Patches	Asphalt overlay at ten locations	*See Road & Bridge Monthly Construction Projects Status Report	<b>N/A</b>

\*New

 7/31/17  
 Dept. Head Review

# **Road & Bridge Monthly CIP Status Report** August 2017

## **District 4**

### **Conner Cutoff Culvert Crossing Repair**

**Budget: \$ 220,000**

**Estimated Completion Date: Late August 2017**

**Status:** Approved for CIP FY 2016/17 on July 11, 2016. Bid was Awarded at the June 21, 2017 meeting. \*Staff has obtained the Purchase Order, met with the Contractor and awaiting a start date from the contractor who has tentatively indicated starting mid-August.

\*New

## **District 5**

### **Ravenwood Dr Drainage Point Repairs Project**

**Budget: \$ 69,000**

**Estimated Completion Date: September 2017**

**Status:** The Commission approved as part of FY 15/16 budget on February 22, 2016 meeting. The original Contractor failed to perform the work per the Scope of Work, therefore we terminated the Purchase Order without payment. Staff is re-videoing the damage on July 28th to ensure the appropriate work to repair is being completed.

# **Road & Bridge Monthly CIP Status Report** August 2017

## **District 5**

### **Nassau Oaks Subdivision Outfall Ditch Clearing**

**Budget: \$ 379,500**

**Estimated Completion Date: Pending**

**Status:** Approved for CIP FY 2016/17 on July 11, 2016. \*Bid Specifications have been forwarder to Contracts Management to be placed out for bid with bids due early September. Both Nassau Oaks Projects will be bid as one project.

\*New

## **District 5**

### **Nassau Oaks Subdivision Road Upgrades Project**

**Budget: \$ 483,000**

**Estimated Completion Date: Pending**

**Status:** Approved for Mid Year Update CIP FY 2016/17 on February 27, 2016. The project includes installing millings on the dirt roadways, applying a double chip seal to all milings roads within the subdivision and paving the entrance road. \*Bid Specifications have been forwarder to Contracts Management to be placed out for bid with bids due early September. Both Nassau Oaks Projects will be bid as one project.

\*New



# **Road & Bridge Monthly CIP Status Report** August 2017

## **Multiple Districts**

### **Storm Drain/Culvert Repair**

**Budget: \$ 295,000**

**Estimated Completion Date: Fall 2017**

**Status:** Approved for CIP FY 2016/17 on July 11, 2016. The project has been placed out for bid with a due date of January 18, 2017. Bids have been received and award options are being explored. The Board approved the additional funding requested as part of the Mid-Year CIP update and staff is moving forward with process of awarding the bid. The Bid was awarded at the June 12, 2017 meeting and staff has received the Purchase Order. \*Staff had a preconstruction meeting with the vendor on July 24th. Vendor has indicated a tentative start date of early September.

\*New

# Road & Bridge Monthly Construction Projects Status

## Report

August 2017

### Multiple Districts

#### Dirt Road Upgrades Project

**Budget: \$ 200,000**

**Estimated Completion Date: Summer 2017**

**Status:** The Commission approved additional \$200k budget to perform upgrades to dirt roads throughout the County. The goal of this program is to improve our dirt roads throughout the County by applying this stabilized material to our shorter, less populated roads, thus lowering the frequency of the road needing to be graded. This will also allow us to spend more time grading on the longer, more densely populated roads that haven't been upgraded. The Department uses this funding to replace any failing drainage culverts and build up the road with eight (8) inches of stabilized material (clay, limerock & millings). The list of roads for upgrades is as follows: **District 3** – Crews Creek Road and Lang Road. **District 4** – Karnchapking Road and Sheard Stokes Road. **District 5** – Cynthia Avenue and Larsen Road. We have mixed Pratt Siding, Wedgewood Way, Patsy Lane and Bismark Road with a Reclamation machine. Materials have been delivered for the remaining upgrades and are being mixed. Staff has completed the drainage work on Larson Road, Crews Creek Road, Lang Road and Karnchapking Road. The material is too wet to install and staff is shifting to the Millings on Dirt Roads Project and Swallowfork Chip Seal Project.

### Multiple Districts

#### Millings on Dirt Roads Project

**Budget: \$ 100,000**

**Estimated Completion Date: Pending**

**Status:** The Commission approved additional \$100k budget to place millings on dirt roads throughout the County. The goal of this program is to eliminate roads needing to be graded. This will also allow us to spend more time grading on the longer, more densely populated roads that haven't been upgraded. The Department evaluates roads using the following criteria for road consideration: Road is less than 1,500 feet in length, with straight-a-ways less than 1,000 feet. We also look for very low populated roads to consider along with this. The Department uses this funding to place a minimum of five inches up to seven inches of compacted millings. The list of roads for upgrades is as follows: **District 3** – Yanie Road. **District 4** – Mt. Olive

# **Road & Bridge Monthly Construction Projects Status**

## **Report**

**August 2017**

Road and Henderson Road. **District 5** – R. Jones Road. \*Staff has ordered materials and vendor has communicated difficulties in obtaining the millings. Other options are being explored.

\*New

### **District 5**

#### **Swallowfork Subdivision Road Improvement Project**

**Budget: \$ 146,000**

**Estimated Completion Date: Original Funded Project Completed**

**Status:** The Drainage Project has been completed. The Department used the remaining funding to purchase stabilizing material for the roadways throughout the subdivision. The Agenda Request for the Surface Treatment (Chip Seal) was approved at the June 21, 2017 meeting. Staff is actively shaping the roadway in preparation for the Contractor to begin work the week of July 24<sup>th</sup>. \*The Contractor has had delays and the schedule has been updated to begin August 2<sup>nd</sup>.

\*New

### **Multiple Districts**

#### **Roadway Striping Upgrades**

**Budget: \$ 90,000**

**Estimated Completion Date: Prior to new fiscal Year**

This program is designed to refurbish worn striping on our paved roads in order to provide better visibility of roadway striping to our motoring public. All striping has been completed and quantities have been verified. Staff will be compiling a new list of roads to be striped during the summer of 2017.

# **Road & Bridge Monthly Construction Projects Status Report**

**August 2017**

## **District 4**

### **Kinard Road Crossdrain Replacement**

**Budget: \$ N/A**

**Estimated Completion Date: Pending**

A crossdrain on Kinard Road has begun to show signs of failure. The Department has temporarily repaired it and will need to remove and replace the culvert. It is a one way in and out road and will need to be scheduled around the Nassau County School Year Calendar. We anticipated to begin this mid-Summer 2017, however, the recent rains have delayed all of our Construction Projects and it is likely that this will need to be delayed until next fiscal year.

## **Multiple Districts**

### **Road Patches**

**Budget: \$ 45,000.00**

**Estimated Completion Date: Prior to new Fiscal Year**

**Status:** The Commission approved additional funding in the amount of \$ 45,000.00 to asphalt overlay ten (10) locations over locations of crossdrains that we will be repairing through a CIP Project on CR108 River Road, Lessie Road and CR108 East. We will schedule these upon completion of the CIP Project.

# **Road & Bridge Monthly Construction Projects Status Report**

**August 2017**

## **District 2**

### **Clements Road Drainage Project**

**Budget: N/A**

**Estimated Completion Date: December 2017**

**Status:** The Public Works Director and Road & Bridge staff are working with residents in attempting to resolve several drainage issues with the Clements Road Area. Staff has plans to regrade ditches and adjust culverts to improve existing drainage. Staff has prepared a Request for Quote for tree removal and is working with adjacent property owner to gain access to allow room for a vendor to remove the trees. There are also plans to add Clements Road to the Dirt Road Upgrade Program in the future. \*Staff is on schedule to complete the drainage project by December 2017.