

TRANSPORTATION PROJECTS

Pages Dairy Widening project bid for construction will be let in late Spring. Construction is anticipated to start in Summer 2020.

Crawford Road permitting requirements are nearly complete. Construction bids are expected to be advertised in February 2020. Construction is expected to start in Spring 2020.

County Road 115 Widening Construction Completion is planned for October 2020.

Miner Road Turn Lane Bid advertisement is planned for February 2020. Construction is expected to commence in early Summer 2020.

The Board of County Commissioners approved Roadway and Drainage Standard updates in late January. The updates will provide more flexibility for owners and contractors working with driveway, easement, and development.

For more information on Capital Improvement Projects visit: https://www.nassaucountyfl.com/983/Capital-Improvement-Projects

STORMWATER & DRAINAGE

Staff worked to address or continue progress on four major areas of concern in December:

Army Corps PAS Thomas Creek Study data collection phase is underway. Seven staff members of the Army Corps. Met with Nassau County on site to discuss the major concern areas for the Thomas Creek PAS study grant.

Boggy Creek debris concerns are being monitored.

Continued design work on drainage Improvements to Spring Lake Estates and to the Philips Manor Road neighborhood.

Staff is working with the Building Department, Code Enforcement, and Planning and Economic Development to make a more unified Continuity of Operations Plan (COOP) for disasters IMPACTING Nassau County.

Nassau County continues to work with two UNF Senior Design groups to provide stormwater studies for the St. Mary's River and the Nassau River basins.

DEVELOPMENT REVIEW

Engineering Services completed eighteen reviews of developments coming soon to Nassau County as well as five preapplications.

Residential Developments that were reviewed included six neighborhoods expanding their developments and three new residential developments. Of the new developments, one is located on Amelia Island, one in Callahan, and two in Yulee.

Commercial Property that was reviewed included a new office complex and a JEA water treatment plant in the Yulee area.

For more information on Development Review visit: https://www.nassaucountyfl.com/128/ Development-Review-Committee

NOVEMBER TOTALS

Driveway / Sidewalk Permits Issued	41
Driveway / Sidewalk Inspections Performed	116
Utility Permits Issued	29
Building Permits Reviewed	93
Borrow Pit Permits	4
Drainage Concern Site Visits	12
DRC Pre-Applications Reviewed	5
Site Engineering Plans Reviewed	18
Variance Requests Reviewed	0

ANNOUNCE-

Positions Open!

Engineering Services is looking for talented individuals for the <u>Senior Transportation Engineer</u> position and a <u>Construction Inspector</u>.

Robert Companion named Chair of the Technical Coordinating Committee for the North Florida TPO for 2020.



PUBLIC WORKS PROJECT STATUS REPORT January-20

						January-20						
Project Name	Description	Total Budget	Funding Source	Project#	Phase/Vendor	Estimated Start Date	Estimated Completion Date	Date Funding Agreement Expires	Status	Notes	Position in the Process	Responsibility
Bailey Simmons Multi-Use Trail	Construction of a 8'-10' paved multi-Use trail from Sports Complex to S. Fletcher Avenue	\$1,779,052	LAP-FDOT	433987-1-58-01, 433987-1-68-02	Construction/FI Infrastructure/E&R	10/29/2018	COMPLETE	12/31/2019	Preject Completed On Schoolse and Do Ranges	Pre-con 09/16/18. Construction began on October 29, 2018, with a 300 day construction timeframe. Paving complete. Landscaping, striping, and signage are underway. Construction completion set for 9/13/2019	Projec Complete	FI Infrastructure Eisman and Russo RC
	Pile jacket repairs to Stratton Road and Stokes Road		County		Design Jackets				Projects on schedule	CSI Designs approved.		NC-RC/JC
Bridge Repairs/Maintenance	Various annual repairs to bridges throughout the county.	\$750,000	County / Possible use of SCRAP funding?		FDOT noted repairs from inspections					Need to contract out repairs. Contract is out to bid	Contract is out to bid	CH / Contracts
	CR 121 Bridge (No. 740050) under design for repair by FDOT		FDOT				-				Contract is out to bid	CH / Contracts
Chester Road	Mill and resurface Chester Road from 200 feet North of Heron Isles Parkway to 800 North of Blackrock Road		County		Bid / Construction	6/10/2019	COMPLETE	N/A	Project Completed Attend of Schedule & On Rudget	Design plans are complete. Construction began June 10, 2019. Construction completion for week of 09/13/2019	Project Complete	Hubbard, ETM, and RC
Chester/Pages Intersection	Intersection improvements along Chester Road at Pages Dairy and David Hallman	\$7,650,000	County		design	Design is underway 1/30/2021- Construction	6/30/2021	N/A	Design Underway	Under Design. Working on acquiring additional needed right-of-way. Mast Arm design and replacement needed at David Hallman to complete. CIP updated to cover additional project costs for mastarms and urban section. Amendement to design contract needed for David Hallman intersection design.	Budget updated to \$7,650,000 to cover additional work at David Hallman intersection. Under design.	Connelly & Wickers, RC
	Widening and Resurfacing from Felmor Road to Chester Road	\$3,782,000	County		design	Underway	4/10/2020	12/31/2021	Design 4 months behind schedule due to JEA WM incorporation	JEA water main MOU approved. Design of JEA watermain is 3-6 month process. RFQ's for construction and CEI will be advertised after watermain design is incorporated. Expected to go out to bid for construction in April	Design for water main underway.	RC
			CIGP-FDOT	436465-1-54-01	Construction	7/30/2020	4/1/2021			2020.	get FDOT concurrence of 100% plans & Specs	RC
	Pave existing county maintained	e existing county maintained	County									
Crawford-Phase 1	dirt road from CR 121 to just west of Norfolk Southern Rail Right-of-Way tangent	\$1,741,553	SCOP-FDOT	430691-1-58-01	Bid / Construction	3/1/2020	12/31/2020	12/31/2020	Schedule is tight due to TCE with NS and Wetland Mitigation	Design Complete. Working on	CEI - ETM. Working on SJRWMD Permit. Going out to bid in February.	RC
Crawford-Phase 2	Pave existing county maintained dirt road from just west of Norfolk Southern Rail Right-of- Way tangent to US 301	\$6,731,711	SCOP-FDOT	430691-2-58-01	TCE Acquisition, Construction Agreement Execution	3/1/2020	12/31/2020	12/31/2020	Schedule is tight due to TCE with NS and Wetland Mitigation	Draft TCE language approved by NS. BOCC meeting 02/14/2019 executed Construction Agreement. Wetland mitigation being conducted via conservation and credits by FPL and County consultant. Going out to bid in February.	TCE and Agreement satisfied with Norfolk Southern. Working on SJRWMD permit. Going out to bid in February.	County Attorney RC

Project Name	Description	Total Budget	Funding Source	Project#	Phase/Vendor	Estimated Start Date	Estimated Completion Date	Date Funding Agreement Expires	Status	Notes	Position in the Process	Responsibility								
CR108-Safety Improvements 2	Proposed improvements to CR 108 from Middle Road to US 17, including upgraded signage, thermoplastic markings, and 9.5 miles of new friction course.	\$41,942	LAP-FDOT	439496-1-38-02	Design/Element	Completed	12/31/2019	3/31/2020	Project On Schedule & On Budget	Final design plans received and comments provided. Construction LAP agreement execution now that design is complete.	Final Desing Plans Received. LAP Agreement approved by BOCC on 01/27/2020	Element & RC								
CR108-Safety Improvements 1	Proposed improvements to CR 108 from Middle Road to Bay Road, including upgraded signage, thermoplastic markings, and 9.5 miles of new friction course.		LAP-FDOT	441214-1-38-02	Design/Element	11/1/2019	12/31/2020	12/31/2020	Design has not begun	LAP agreement approved and executed by BOCC meeting. RFQ for design is being drafted. Construction LAP agreement forthcoming once design is complete.	RFQ for design is in Contracts. Selection committee chose engineering firm. Going to Board in February to begin negotiations with Pond, Inc.	RC - Contracts								
CR121 Safety Improvements	Signing and Pavement Markings for safety improvements		FDOT		Design/Construction				N/A	Under design by FDOT	LAP agreement to be sent in March 2019	FDOT								
CR 115	Widening and Resurfacing from Bypass Road to Henry Smith Road	\$8,999,026	SCRAP-FDOT	431638-1-58-01	RFQ / Construction		12/31/2020	12/31/2020	Project On Schedule & On Budget	Project began on November 25, 2019. Construction completion scheduled for 10/29/2020	Project began on November 25, 2019. Construction completion scheduled for 10/29/2020	Anderson Columbia								
Dyal Road	Acquire approximately 10 additional feet of ROW to complete the paving of the remaining 1/2 mile unpaved portion of Dyal Road.	\$632,000	County		Land Acquisition		TBD		N/A	multiple letters sent to residents requesting ROW mtg, 08/10 & 2nd letter sent. Many non-responses from land owners. If no headway is made, Engineering recommends proceeding with double chip seal in	improvements. FDOT Grant agreement expected in Spring 2020.	. RC								
	complete the paving of the remaining 1/2 mile unpaved portion of Dyal Road.		SCOP-FDOT		Construction		TBD			2020 improvements when FDOT money will be available.	move forward with construction once ROW acquired or alt option	RC								
Edwards Road	Improvement of Edwards Road from SR 200 to Police Lodge Road by widening, adding 5' sidewalks on both sides, and adding intersection improvements at SR 200.	\$6,610,580	FDOT		ROW, design, construction & CEI				N/A	Included in FDOT project request for 2019	Included in FDOT project request for 2019	NC-JC/RC								
Henry Smith Road Resurfacing and Culvert Repair	Resurfacing and culvert repairs for Henry Smith Road.	\$900,000	SCOP-FDOT	438178-1-54-01	Resurfacing and culvert repairs			12/31/2021	Project On Schedule & On Budget	BOCC executed SCOP agrement from FDOT on 03/25/2019. Peters and Yaffee design work is	Peters and Yaffee WA approved at 11/20/2019 BOCC Meeting. Kickoff meeting held on 12/6/2019. Design is	NC-RC								
		\$650,000	County		Design and CEI					underway	underway.									
Middle/Griffin Shoulder Repairs			SCOP-FDOT	432798-1-54-01	Construction/FI Infrastructure/CDM		COMPLETE	12/31/2018		Invoiced FDOT. Awaiting FDOT reimbursement.	Get Reimbursement from FDOT	FDOT								
	Acquire right-of-way needed to construct dedicated right turn lane from Miner Road into SR 200.		County		ROW Acquisition		COMPLETE			Right-of-Way Acquisition Complete.	DRC Review Plans O'Reilly Auto Parts Design 90%	NC-JC NC-MM/BB								
Miner Road Turn Lane	Design right turn lane from Miner Road to State Road 200	\$690,000	County		Design 19/20	6/11/2019	12/11/2019	N/A	Project On Schedule & On Budget	Budget Confirmed. WA executed for design by CSI. Final Plans and Specs are with Contracts. Going out to bid in February.	Coordination with FDOT									
	Construct right turn lane from Miner Road to State Road 200									County	County		Construction 20/21		12/31/2020	N/A				
Pratt Siding Road Paving	Pave existing 1.5 miles of unimproved Pratt Siding Road. 25 property owners need to donate right-of-way to create standard 60' right-of-way	\$1,000,000	SCOP-FDOT	438204-1-54-01	Resurfacing and culvert repairs				Project On Schedule	BOCC executed SCOP agrement	EltonAlan WA approved at BOCC	NC-RC								
		of-way to create		Design and CEI			12/31/2021	& On Budget	from FDOT on 03/25/2019. Design is undeway.	meeting 11/20/2019.	INC-KC									
										Project Began 01/02/2019, Substantial completion was met on	approved CEI WA & bid awarded at 11/09 mtg	NC-BOCC								
										04/26/2019. New cross drain and headwall installed at Ocean Breeze. Guardrail installation is complete.	Construction began on 01/02/2019	NC-RC								

Project Name	Description	Total Budget	Funding Source	Project#	Phase/Vendor	Estimated Start Date	Estimated Completion Date	Date Funding Agreement Expires	Status	Notes	Position in the Process	Responsibility
South 14th Street	Resurface South 14th Street from Amelia Island Parkway to Sadler Road	\$1,340,000	SCRAP-FDOT	434588-1-45-01	design/construction		COMPLETE	6/30/2019	Project Complete	Paving completed. Project is from Amelia Island Parkway to edge of right eastbound travel lane of Sadler Road. Punchlist items being completed now. Change order for guardrall revisions to meet existing conditions is forth coming. Project is well within budget. Change Order No. 4 approved. Project closeout is underway.	Project closed out.	NC-RC
Thomas Creek Resurfacing	Resurface Thomas Creek from US 301/SR 200 to the Duval County Line (4.5 miles)	\$924,000	SCRAP-FDOT	432604-1-54-01	Construction/PARS/WSP		COMPLETE	7/31/2018		Construction completed and retainage released Invoiced FDOT. Awaiting FDOT reimbursement.	retainage released Awaiting FDOT to reimburse	NC-BB FDOT
Thomas Creek Restoration, Phase 9	Desnag and Restore roughly 8,000 LF of Thomas Creek, this section is made up of portions of previous phases desnagged in 2010.	\$775,000	USDA EWR grant	NR184209XXXXCO19	design/construction		COMPLETE	3/4/2019		bids awarded 12/19/18, NTP 01/09/18 Progress updates	pre-con 01/07/2019 weekly updates to USDA qtrly FFR updates	NC-JC NC-KS/CS NC-JC NC-CG
14th & Sadler Safety study			FDOT-HSIP							Need to plan Public Outreach	Safety study Completed Need to plan Public Outreach	P&Y NC-JC
14th & Simmons intersection study	Study potential improvements to the intersection to mitigate crash frequency		FDOT-HSIP			5/13/2019	11/13/2019	5/12/2020	Project On Schedule & On Budget	WA approved. Study submittal reveals signal is warranted. CPH is performing cost benefit analysis of signal vs. roundabout	Awaiting feasibility and recommendations for signal versus roundabout. Board presentation coming soon to finalize path forward. 4-Way stop interim condition is in place	NC-GH
William Burgess Ext	Project will provide a new 2 lane roadway extension of William Burgess from US17 to the intersection of Miner Road and Yulee High Schools main entrance. An 8'-10' multi-use path is also included.	\$13,547,807	FDOT-LTP earmark \$1 million	443400-1-54-01	ROW, design, construction & CEI			12/31/2021	Project On Schedule & On Budget	Negotiations for additional R-O-W underway. Design is underway by GAI.	Design underway by GAI.	NC-JC/RC
LAP ADA Transition Plan			FDOT-LAP		LAP Requirement		COMPLETE				ADA Transition Plan approved by BOCC and Uploaded to LAP	



Amelia Island Parkway Multi-Use Trail

Project Photo



Current Status:

Awaiting FDOT LAP funding Agreement

Project Team Members:

Engineering Firm: TBD

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

 From South Fletcher Avenue to SR 200 (3.2 miles)

Project Goals:

 Construct a multi-use trail for pedestrian cyclists

Construction Activities:

- Construct an asphalt trail, 8' to 10' in width
- Install drainage improvements
- Install landscaping
- Install signage and flashing beacons for intersection crossings

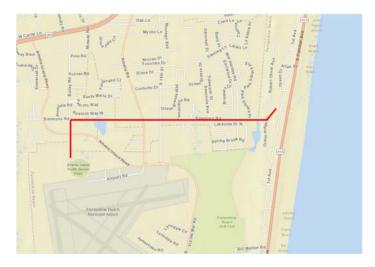
- Design to begin in Spring 2020
- Construction to begin in 2023



Bailey Simmons (Amelia River to Sea) Multi-Use Trail

Project Photo





Current Status:

- Construction contract awarded in October 2018
- Construction completed in September 2019

Project Team Members:

Engineering Firm: Element Engineering

Contractor: Florida Infrastructure Construction Engineering Inspection:

Eisman and Russo

Project Manager: Robert T. Companion, PE

Project

Project Limits:

 From Ybor Alvarez Athletic Complex at Bailey Road to Simmons Road Beach Access (2.66 miles)

Project Goals:

 Construct a multi-use trail for pedestrian cyclists

Construction Activities:

- Construct an asphalt trail, 8' to 10' in width
- Install drainage improvements
- Install landscaping and pergola
- Install signage and flashing beacons for intersection crossings

- Construction began in November 2018
- Construction completed on time and on budget

Updated February 7, 2020



Pages Dairy and Chester Road Intersection Improvements

Project Photo





Current Status:

Design Completion in October 2020

Project Team Members:

Engineering Firm: Connelly & Wicker

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

 Intersection of David Hallman and Chester Road to intersection of Pages Dairy and Chester Road

Project Goals:

 Improve the intersection to include safer turning movements and urbanize the roadway

Construction Activities:

- Construct new turn lanes
- Signalize the intersection
- Improve drainage and storm water runoff treatment
- Provide pedestrian and bike facilities

- Currently under design
- Construction to begin in 2021
- Project may be phased to complete signal ahead of other improvements



Chester Road Resurfacing

Project Photo





Current Status:

- Construction contract award in June 2019
- Construction completed in September 2019

Project Team Members:

Engineering Firm: Connelly & Wicker Contractor: Hubbard Construction

Construction Engineering Inspection: ETM Project Manager: Robert T. Companion, PE

Project

Project Limits:

 Chester Road from Heron Isles to Blackrock Road (2.66 miles)

Project Goals:

 Resurface the roadway and reconstruct existing driveways

Construction Activities:

- Overlay the existing pavement by +/- 2"
- Reconstruct all existing concrete and asphalt driveways
- Improve all existing driveways
- Overlay final +/- 2" of asphalt

- Construction began in June 2019
- Construction Duration is 120 days
- Construction completed on time and on budget



County Road 108 Safety Improvements Bay Road to Middle Road

Project Photo



Current Status:

- Design to be completed in December 2020
- Construction to begin in Fall 2021

Project Team Members:

Engineering Firm: TBD

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

• Bay Road to Middle Road (9.5 miles)

Project Goals:

- Mill and Overlay roadway surface
- Improve signage and striping
- Improve geometry of multiple curves

Construction Activities:

- Mill existing surface and overlay with new pavement
- Improve signage and placement
- Build up superelevation on curves to meet latest standards.



County Road 108 Safety Improvements Middle Road to US 17

Project Photo



Current Status:

- Design completed in December 2019
- Construction to begin in Fall 2020

Project Team Members:

Engineering Firm: Element Engineering

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

• From Middle Road to US 17 (9.5 miles)

Project Goals:

- Mill and Overlay roadway surface
- Improve signage and striping
- Improve geometry of multiple curves

Construction Activities:

- Mill existing surface and overlay with new pavement
- Improve signage and placement
- Build up superelevation on curves to meet latest standards.

Updated February 7, 2020



County Road 115 Widening & Resurfacing

Project Photo





Current Status:

- Construction contract awarded in September 2019
- Construction Engineering Inspection contract award in November 2019
- Construction began November 25, 2019

Project Team Members:

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

 County Road 115 (Old Dixie Highway) from Bypass Road to Henry Smith Road (7.69 miles)

Project Goals:

 Widen and resurface the roadway to 11' lanes with 5' paved shoulders

Construction Activities:

- Widen and mill & resurface the roadway to 11' lanes with 5' paved shoulders
- Regrade the ditches as required to accommodate new lane and shoulder widths
- Restore all driveways effected by construction activities
- Replace triple cross drain bridge

- Construction began November 25, 2019
- Construction to be completed October 29, 2020



Crawford Road Construction

Project Photo





Current Status:

- Wetland Mitigation / Conservation and SJRWMD permitting is underway
- Construction to begin in Spring 2020

Project Team Members:

Contractor: TBD

Construction Engineering Inspection: ETM Project Manager: Robert T. Companion, PE

Project

Project Limits:

 Crawford Road from CR 121 to sr 200 (us 301) (6.47 miles)

Project Goals:

Pave the existing dirt road, install drainage improvements

Construction Activities:

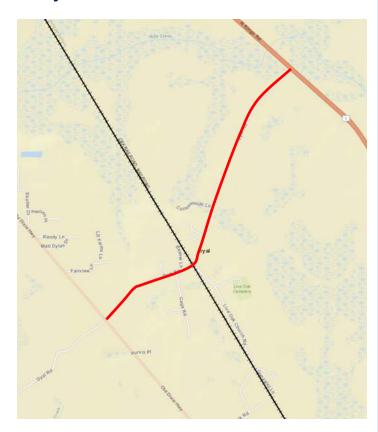
- Construct the subgrade, base, and pave the roadway
- Regrade the ditches and install drainage improvements as planned

- Construction to begin Spring 2020
- Construction Duration is expected to be 8 months
- Roadway will be closed to traffic west of Woods Lane for duration of construction



Dyal Road Improvements

Project Photo



Current Status:

 FDOT agreement to be executed in Spring 2020

Project Team Members:

Engineering Firm: TBD

Contractor: TBD

Construction Engineering Inspection:

TBD

Project Manager: Robert T. Companion, PE

Project

Project Limits:

• CR 115 to US 301

Project Goals:

• Complete the paving of Dyal Road

Construction Activities:

- Pave the dirt portion of the roadway
- Install drainage improvements

- Design to begin in Summer 2020
- Construction completion in 2022



Henry Smith Road Improvements

Project Photo



Current Status:

- FDOT agreement executed in April 2019
- Design is underway

Project Team Members:

Engineering Firm: Peters & Yaffee

Contractor: TBD

Construction Engineering Inspection:

TBD

Project Manager: Robert T. Companion, PE

Project

Project Limits:

• CR 108 to US 301

Project Goals:

• Road Reconstruction and Improvements

Construction Activities:

- Roadway Reconstruction
- Safety Improvements

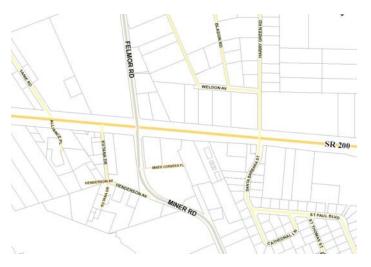
- Design is underway
- Construction completion in Summer 2022



Miner Road Turn Lane

Project Photo





Current Status:

 RFQ for Construction to be released in February 2020

Project Team Members:

Engineering Firm: CSI

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

Intersection of SR 200 and Miner Road

Project Goals:

 Construct a right turn lane from Miner Road onto SR 200 eastbound

Construction Activities:

- Construct right turn lane
- Improve signal to include new turn lane
- Relocate and improve the existing sidewalk

- Construction to begin in June 2020
- Construction completion in early August 2020



Pages Dairy Road Widening & Resurfacing

Project Photo





Current Status:

- JEA watermain design underway
- Construction to begin in Summer 2020

Project Team Members:

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

 Pages Dairy Road (CR 200A) from Felmor Road to Chester Road (2.64 miles)

Project Goals:

 Widen and resurface the roadway to 11' lanes with 5' paved shoulders / bike lanes

Construction Activities:

- Widen and mill & resurface the roadway to 11' lanes with 5' paved shoulders / bike lanes
- Regrade the ditches as required to accommodate new lane and shoulder widths
- Restore all driveways effected by construction activities

- Construction to begin Summer 2020
- Construction Duration is expected to be between 8-12 months



Pratt Siding Road Improvements

Project Photo



Current Status:

- FDOT agreement executed in April 2019
- Design is underway

Project Team Members:

Engineering Firm: Elton Alan

Contractor: TBD

Construction Engineering Inspection:

TBD

Project Manager: Robert T. Companion, PE

Project

Project Limits:

• CR 115 to US 301

Project Goals:

Paving existing dirt road

Construction Activities:

- Pavement
- Signage and striping

- Design is underway
- Construction completion in Summer 2022



William Burgess Extension

Project Photo



Current Status:

Design Underway

Project Team Members:

Engineering Firm: GAI

Contractor: TBD

Construction Engineering Inspection: TBD Project Manager: Robert T. Companion, PE

Project

Project Limits:

• US 17 to Miner Road

Project Goals:

 Construct new two lane roadway and 10' wide multi-use trail

Construction Activities:

- ROW Acquisition
- Roadway and Trail Construction
- Intersection Improvements at US 17
- Intersection Improvements at Miner Road

- Design began in December 2019
- Construction completion in 2024



William Burgess & Harts Road Roundabout

Project Photo



Current Status:

Project joint-funding from Nassau
 County and private developer

Project Team Members:

Engineering Firm: TBD

Contractor: TBD

Construction Engineering Inspection:

TBD

Project Manager: Robert T. Companion, PE

Project

Project Limits:

 Intersection of William Burgess and Harts Road

Project Goals:

Construct a new roundabout to improve intersection function

Construction Activities:

Roundabout construction

- Design Underway
- Construction completion in late 2020