




# ENGINEERING DEPARTMENT

## QUARTERLY CAPITAL REPORT



DATE: October 22, 2024

PROJECT STATUS LEGEND		
On Track 	On Track with Minor Issues <i>Monitor Closely</i> 	Off Track <i>Budget or Schedule Issues</i> 

## TRANSPORTATION

### Aversboro Road and Garner Road Sidewalks

Description: Install sidewalk along the north side of Garner Rd and along the west side of Aversboro Rd.

Location: Aversboro Rd at Zinnia Ln; Garner Rd at Weston Rd

**Status: Final plans have been approved and land acquisition is approximately 95% complete. The project is slightly behind schedule due to consultant delays and NCDOT encroachment review timeline.**

Current Phase: Design

Project Budget: \$732,916

Construction Start: Winter 2024

Funding Source: 2021 Bonds

Construction Complete: Summer 2025

Project Manager: Branyun Bullard



### Bryan Road Improvements

Description: Widen Bryan Road to continue three-lane section from Bryan Elementary School through to Ackerman Rd. Install sidewalk along the east side of Bryan Rd.

Location: Bryan Rd at Ackerman Rd

**Status: Project team has reviewed and approved the 65% plans for this project and is awaiting 100% plans. The preliminary utility plans have been reviewed by the town and have been submitted to Raleigh Water for review and approval. The NCDOT encroachment application has been submitted and land acquisition process has begun.**

Current Phase: Design

Project Budget: \$1,132,000

Construction Start: Winter 2024

Funding Source: 2021 Bonds

Construction Complete: Summer 2025

Project Manager: Branyun Bullard



## Jones Sausage Road – North (TIP HL-0140)

**Description:** Construct the E Garner Rd and Jones Sausage Rd intersection to the ultimate section with dedicated turn lanes, curb ramps, and pedestrian signals. Add a northbound travel lane on Jones Sausage Rd. Add sidewalk to east side of Jones Sausage Rd and north side of E Garner Rd.

**Location:** Jones Sausage Rd from Amazon Distribution Center to E Garner Rd.

**Status:** The 65% roadway plans for the rescope project area and NEPA documents were received and reviewed. The design team is working on applying those comments to provide the complete 65% plans which will then be submitted to NCDOT for review. Utility relocation coordination is ongoing, the design team and Town PM met with Duke Energy to discuss pole consolidation, but the number of poles seen now are required due to the power lines needed and home connections.

In the summer town staff learned NCDOT is proposing to add an auxiliary lane for 0.6 miles along E Garner Rd at the intersection in addition to the capital project improvements. If the proposed auxiliary lane is pursued, the capital project should anticipate that additional lane so there is no demo/re-work later. That additional lane accommodation will cause another redesign of the project and a joint venture for easement needed on the impacted properties. The capital project’s design consultant, HDR, reviewed NCDOT’s traffic analysis; they do not achieve the same results and believe the lane will not provide additional benefit. Town staff is concerned about the impacts this will have to the capital project schedule, federal funding deadlines, the complexity of additional ROW needs and the level of service for pedestrians at the intersection. Town staff, HDR and NCDOT continue to meet and discuss.

**Current Phase:** 65% Design

**Project Budget:** \$21,579,096

**Construction Start:** Spring 2027

**Funding Source:** 2013 Bonds, 2021 Bonds, LAPP Grant

**Construction Complete:** Spring 2029

**Project Manager:** Lisa Rodriguez



## Pearl Street and Parker Street Improvements

**Description:** Pave/widen the west side of Pearl Street with curb, sidewalk, and on-street parking. Widen both sides of Parker Street with curb and sidewalk. A total of 20 on-street parking spots will be added.

**Location:** Pearl St south of Main St and Parker Street east of Pearl St

**Status:** This project currently has various preconstruction coordination activities underway including real estate acquisition, North Carolina Railroad (NCRR) review and utility relocation coordination. Bid documents are waiting to be finalized to ensure all NCRR comments are captured. NCRR right-of-way (ROW) goes to the back of sidewalk along Main Street, and they require any new infrastructure within their ROW be reviewed and approved by NCRR.

The start of this project's construction will be dependent on obtaining approval by NCRR, obtaining an agreement with NCRR for new infrastructure, and obtaining right-of-entry by NCRR. The timeline of those efforts are unknown and require further coordination. Ideally the construction of this site will occur during the off season of Garner Baseball Inc (GBI), town staff will coordinate dates with

**GBI once NCRR approvals are obtained. All easements needed from private owners have been obtained. Town staff is reviewing Duke Energy’s easements needed from Town properties.**

Current Phase: Preconstruction  
Coordination

Construction Start: Summer 2025  
\*Tentative and dependent on NCRR approval and agreement  
Construction Complete: Early 2026

Project Budget: \$1,502,099

Funding Source: 2021 Bonds

Project Manager: Lisa Rodriguez



## Rand Mill Streetscape and Parking Improvements

Description: Parking lot improvement on Town property to accommodate downtown parking needs. Intersection improvements including streetscape, curb, gutter, and sidewalk additions. A total of 48 on-site parking spots will be added.

Location: Rand Mill Rd and E Main St

**Status:** This project is currently being reviewed by NCRR since new stormwater pipe lands within their right-of-way. After the plan approval, a new utility agreement will need to be obtained and a right-of-entry for the contractor to complete their work. The start of this project’s construction will be dependent on obtaining approval by NCRR, an agreement for the new infrastructure in their right-of-way and obtaining right-of-entry.

Utility relocation coordination is on-going; the Town is discussing options for pole consolidation or enhancements. Currently there are seven power poles within the project area. After the utility relocation design is complete, real estate acquisition will begin.

Current Phase: Preconstruction  
Coordination

Construction Start: Summer 2025  
\*Tentative and dependent on NCRR approval and agreement

Construction Complete: Early 2026

Project Budget: \$2,288,364

Funding Source: 2021 Bonds,  
Community Partner Funding Grant

Project Manager: Lisa Rodriguez



## Resurfacing 2024

Description: 2024 street resurfacing

Location: Various

**Status:** Contract was awarded to Daniels, Inc. of Garner on October 8, 2024. Pre-Construction Meeting to be held October 18<sup>th</sup> and Notice to Proceed is anticipated around the first of November once contract has been fully executed. Included in this year’s contract are segments of the following streets: Nellane Drive, Park Avenue, Poplar Avenue, Fifth Avenue, Loop Road, Carroll Drive, Brompton Lane, Dragonfly Court, Foggy Morning Court, Dreyfus Court, Thistletree Court,

**Wilton Meadow Drive, Crosspine Drive, Fletcher Drive, Annaron Court, Tyser Place, Whithorne Drive, Dubose Drive, Cason Street, Northview Street, Southerlund Road, and Parkhaven Lane.**

Current Phase: Construction                      Project Budget: \$825,165  
Construction Start: November 2024            Funding Source: Powell Bill  
Construction Complete: Early 2025           Project Manager: Leah Harrison,  
 Branyun Bullard



## US 70 Street Lighting

Description: Add street lighting along US-70 from Yeargan Road to White Oak Road.

Location: US-70 from Yeargan Road to White Oak Road

**Status:** Phase 1 design was approved by the Town. In coordination and with NCDOT, the scope of phase 1 was extended past Jones Sausage Road. This change added 8 additional lights and completed the gap up to I-40. Once we receive the encroachment agreement from NCDOT, phase 1 construction can begin. Staff has also approved the phase 2 design and signed the agreement, NCDOT encroachment needs to be submitted for this phase.

Current Phase: Design                              Project Budget: \$500,000  
Construction Start: TBD                            Funding Source: 2021 Bonds  
Construction Complete: TBD                    Project Manager: Branyun Bullard



## White Oak Roundabout

Description: Convert an existing intersection of three streets to a partial dual lane roundabout.

Location: White Oak Road, Ackerman Road, and Hebron Church Road

**Status:** Utility relocation is on-going. Duke Energy completed their new pole installation. Spectrum completed their aerial line relocation and are progressing with their underground relocation. AT&T and MCI will follow with their relocation work by the end of the year.

Fred Smith Company was awarded the construction bid for this project in June 2024. Town staff coordinated the preferred NTP which is after all utility companies complete their relocation work, that is projected to be completed early winter 2025 then construction can follow. Once construction dates are confirmed, construction notices and traffic detour notices will be mailed.

Current Phase: Utility Relocation              Project Budget: \$3,944,904  
Construction Start: Early 2025                Funding Source: 2013 Bonds, 2021  
 Bonds, LAPP  
Construction Complete: Late 2025           Project Manager: Lisa Rodriguez



## STORMWATER

### Forest Ridge Road Pipelining Repair

Description: Line the existing culvert in place, install new concrete headwall and stabilize and revegetate banks upstream and downstream.

Location: Forest Ridge Rd at Buck Branch

**Status:** Project has been completed with an overall budget of \$340,000, including the installation of additional sidewalk, installation of an ADA compliant curb ramp, concrete emergency spillway, and safety guardrail .

Current Phase: Construction Complete

Construction Start: May 2024

Construction Complete: Sept 2024

Project Budget: \$571,691

Funding Source: 2021 Bonds

Project Manager: Branyun Bullard



### Stormwater Inventory and Assessment

Description: Inventory and condition assessment of drainage infrastructure 36” and smaller. Evaluation of several areas with known drainage problems to identify potential solutions.

Location: Various

**Status:** Field survey work for phase 2 (area covered by LASSII grant) was completed by consultant. Condition assessment and GIS data is now being analyzed and compiled. Consultant team traveled to Town to visit areas of special concern with Town staff. They will now begin developing recommendations for improvements to these drainage systems. The Scope of Services for phase 3 of the study was received by Town staff and reviewed. Contract will be executed for this remaining work with an anticipated Notice to Proceed in December.

Current Phase: Study

Construction Start: N/A

Construction Complete: N/A

Project Budget: \$586,451

Funding Source: 2021 Bonds, LASSII Grant

Project Manager: Leah Harrison



### Downtown Stormwater Study \*NEW\*

Description: Study of regional stormwater solutions to serve the downtown Garner area.

Location: Downtown and nearby areas

**Status:** Consultant has been selected and is currently developing scope and fee for the study. This will be submitted to and reviewed by Engineering Department staff prior to executing a contract.

Current Phase: Pre-Design

Project Budget: \$400,000

Construction Start: N/A

Funding Source: 2021 Bonds

Construction Complete: N/A

Project Manager: Leah Harrison



### Peacock Property Dam Breach \*NEW\*

Description: Analysis of and breach plan for the high hazard dam on the Peacock property. This analysis will include evaluation of downstream impacts as the result of any remediation work.

Location: 1067 Benson Road and 0 Lakeside Drive

**Status:** A limited Request for Qualifications was issued to firms previously selected to provide on-call Engineering and Architectural Services for the Town. Submittals are due October 16 and staff anticipates selection of a firm by October 25.

Current Phase: Pre-Design

Project Budget: TBD

Construction Start: N/A

Funding Source: TBD

Construction Complete: N/A

Project Manager: Leah Harrison



## PARKS

### Centennial Park Playground

**Description:** Replace existing deteriorated playground and swings and build an accessible pedestrian connection to the picnic shelter from Bellarose Lake Way parking circle.

**Location:** 1015 New Bethel Church Road

**Status:** Project pending design consultant selection. Staff evaluating option of leveraging bond funds to apply for a PARTF grant in May 2025 to increase the project budget and be able to improve ADA access to the picnic shelter. Pending grant award, the project schedule would be delayed by 8-12 months.

**Current Phase:** Design

**Project Budget:** \$400,000

**Construction Start:** Summer 2025

**Funding Source:** 2021 Bonds

**Construction Complete:** Winter/Spring 2026

**Project Manager:** Maria Munoz-Blanco, Katie Lockhart



### Garner Recreation Center Playground

**Description:** Install accessible playground and fitness circuit on the multi-purpose field of the Garner Recreation Center.

**Location:** 215 W Main Street

**Status:** Playground consultant Barrs Recreation has developed the playground concept to provide inclusive play options for children of differing abilities. The playground will provide play opportunities for children with mobility aids as well as sensory play for neurodivergent youth. Equipment will include swings, a zero-entry merry-go-round, slide, a rope climber, and various sensory panel options. Poured-in-place rubber surface will provide a safe and accessible surface for youth and their caregivers when using the playground. Next step in the project is for design consultant TransSystems to develop the site plan and submit to the TRC for review.

**Current Phase:** Design

**Project Budget:** \$404,400

**Construction Start:** Spring/Summer 2025

**Funding Source:** 2021 Bonds, NRPA Youth Equity Grant, PARTF Grant

**Construction Complete:** Fall 2025

**Project Manager:** Maria Munoz-Blanco, Katie Lockhart



## Lake Benson Park Masterplan

**Description:** Develop updated masterplan for Lake Benson Park, including potential improvements to existing facilities, proposals for new or relocated facilities, and potential relocation/replacement of the boat house.

**Location:** 921 Buffaloe Rd

**Status:** Design consultant WithersRavenel has completed a site survey of existing conditions and developed early concepts to assess the feasibility of relocating the boathouse to Lake Benson Park. Presentations of the early concepts were made to the PRCR Advisory Committee (September 2024) and to Town Council (October 2024) to obtain feedback for further refinement.

**Current Phase:** Planning/Study

**Project Budget:** \$66,800

**Construction Start:** N/A

**Funding Source:** 2021 Bonds

**Construction Complete:** N/A

**Project Manager:** Maria Munoz-Blanco



## Meadowbrook Park Dam Improvements

**Description:** Breach the high hazard earthen dam on the park site and remove the 4-acre lake.

**Location:** 8025 Country Club Drive

**Status:** The Dam Breach portion of this project was completed September 13, 2024. In this phase, the contractor, North State Environmental, successfully relocated fish, de-watered the pond, breached the earthen dam and constructed a channel lined with stone and riprap. That will be the interim condition for the next 6-months to allow for the required drying period. After that 6-month period, a site visit will be held to see if natural wetlands developed. The developments from that meeting will help determine the pond amenity design.

**Current Phase:** Drying Period

**Project Budget:** \$1,944,209

**Construction Start:** pending drying period

**Funding Source:** 2021 Bonds, ARP Funds, Federal Grant

**Construction Complete:** pending drying period

**Project Manager:** Lisa Rodriguez, Maria Munoz-Blanco



## South Garner Greenway Extension

**Description:** Ten-foot multi-use path connecting to White Deer Park and Lake Benson Park.

**Location:** Buffaloe Road from Lake Benson Park to Vandora Springs traffic circle.

**Status:** This project ran into various challenges due to the complexity of the location and districts it lands in. The trail resides in the Lake Benson Conservation overlay district and Swift Creek Watershed. Due to the overlay district and Swift Creek Watershed management plan, there are additional impervious surface limits and stormwater treatment requirements. Town staff and the design team have been researching, discussing best practices and developed a path forward. The



plans are progressing to 65% design. That design will be reviewed by Town staff and NCDOT. After that review and updated plans are obtain, real estate acquisition can begin, which can take 12 to 18 months.

This project was awarded LAPP funding, and the agreement between NCDOT and the town was executed Sept 2024. NCDOT’s LAPP review portal is open, and documents can be submitted for review.

Current Phase: 65% Design

Project Budget: \$6,645,050

Construction Start: Early 2026

Funding Source: 2021 Bonds, LAPP Grant

Construction Complete: Late 2026

Project Manager: Lisa Rodriguez, Maria Munoz-Blanco



## White Deer Park Improvements

Description: New inclusive playground and splashpad at White Deer Park.

Location: 2400 Aversboro Road

**Status:** Playground design consultant Surface678 has submitted the project to the Town’s Technical Review Committee (TRC). Playground project is expected to bid Winter 2025. Splash pad project was awarded as a Design Build contract to Bar Construction Co. Notice to proceed with the design was issued in October 2024. N.C. SCIF grant funds have been received.

Current Phase: Design

Project Budget: \$2,900,000

Construction Start: Playground: Spring 2025; Splash Pad: TBD

Funding Source: ARP Funds, Fee-in-lieu, N.C. SCIF grant

Construction Complete: Playground: Summer/Fall 2025; Splash Pad: TBD

Project Manager: Maria Munoz-Blanco, Katie Lockhart



## Yeargan Park Phase 1

Description: Phase 1 of Yeargan Park includes four athletic fields, playground, main shelter, and restrooms on approximately 23 acres of the park property.

Location: 607 E Garner Road

**Status:** This design is 100% complete and under final review by Town’s Technical Review Committee (TRC). The project delivery method for this project is Construction Manager At Risk (CMAR), which allowed the Town to procure a construction manager to provide constructability reviews, oversee the bidding process and construction. The CMAR, Balfour Beauty, is currently bidding the project and plans to deliver a final Guaranteed Maximum Price (GMP) by mid-November. The GMP will be brought to council for approval in December. Once an executed contract is obtained, the construction of this park will begin.

**Along with working towards final plans, utility relocation and new utility infrastructure is underway. There are various utilities along the frontage of this property that will be impacted including a gas line, two water lines, telecom lines and Duke Energy power poles. The efforts for this relocation will run concurrent with the site construction.**

**This project was awarded a \$8.5 million grant from the U.S. Secretary of the Interior - Outdoor Recreation Legacy Partnership program. With this grant federal requirements do apply and have been taken into consideration in the final plans and bid documents.**

Current Phase: Bidding

Project Budget: \$26,366,072

Construction Start: Early 2025

Funding Source: 2021 Bonds

Construction Complete: Fall 2026

Project Manager: Lisa Rodriguez,  
Maria Munoz-Blanco



## FACILITIES

### Garner Senior Center Improvements

Description: Renovations to the Garner Senior Center, including bathroom and HVAC updates.

Location: 205 E Garner Road

**Status: The design contract was awarded to The Wooten Company for design. The project design has begun, and the consultant has mapped out electrical, HVAC, and overall building layout. Staff is currently waiting for the initial plan set.**

Current Phase: Design

Project Budget: \$580,980

Construction Start: Fall 2025

Funding Source: Community Project Funding Grant, 2021 Bonds

Construction Complete: Spring 2026

Project Manager: Branyun Bullard



### Town Hall Annex

Description: Renovations to Town-owned property to provide space for current staff and future growth of Engineering, IT, and Communications departments.

Location: 109 Forest Hills Drive

**Status: The construction bid for the Annex was awarded to CMC Building Inc. A preconstruction meeting was held and NTP was issued September 16, 2024 which equates to a final completion date of May 24, 2025. CMC Building Inc has started the demo of the interior of the existing building and preliminary work for the site access road.**

Current Phase: Construction

Project Budget: \$5,112,506

Construction Start: Fall 2024

Funding Source: Other financing

Construction Complete: Spring 2025

Project Manager: Lisa Rodriguez



## NCDOT Projects in Garner

### Projects in Construction

Project ID	Location	Description	Status
B-4654	NC 50 at US 70	Replace bridge over US 70	Construction is underway and is expected to last 18-24 months.

### Projects in Planning/Design

Project ID	Location	Description	Let Date
HL-0008C	NC 50 at Timber Dr	Intersection improvements	10/23/2024
HL-0008P	Ten Ten Rd at NC 50	Create dual left turn lanes	6/25/2025
HL-0008F	Ten Ten Rd at Old Stage Rd	Intersection improvements	3/26/2025
U-5302	US 401 from Old Stage Rd to Mechanical Blvd	Convert to reduced conflict intersections	7/15/2025
HL-0008J	NC 50 between Rand Rd and Buffaloe Rd	Intersection improvements, widening of NC 50, and other improvements	4/21/2026
B-5681	Vandora Springs Rd at US 70	Replace bridge over US 70	1/19/2027
BP5-R105	Grovemont Rd near Overhill St	Replace bridge over creek	3/17/2027
P-5738	Vandora Springs Rd at Railroad	Construct grade separation and close crossing	7/20/2027
U-6194	Various	Garner citywide signal system	1/18/2028
B-5987	US 401 near Legend Rd	Replace bridges over Norfolk Southern Railroad and Unnamed Tributary of Swift Creek	4/17/2029
U-5744	US 70 at Timber Drive	Convert at grade intersection to interchange	7/16/2030
U-6116	US 401 from Simpkins Rd to Mechanical Blvd	Widen to 6 lanes with reduced conflict intersections	2040
U-6112	US 401 at Ten Ten Rd	Convert existing signalized intersection to square-loop interchange	2040