



VILLAGE OF MARVIN

10006 Marvin School Road | Marvin, NC | 28173 | Tel: (704) 843-1680 | Fax: (704) 843-1660 | www.marvinnc.gov

ADDENDUM No. 1

TO: Prospective Bidders

FROM: Village Planning and Zoning Administrator, Hunter Nestor

DATE: March 31st, 2023

PROJECT: Marvin Loop Trial Expansion (BL-0012), Village of Marvin

The following items are being issued herein for modification and clarification to the Request for Letters of Interest (RFLOI) Requirements for the project referenced above. All Bidders shall acknowledge this Addendum within their submittal.

MODIFICATIONS

QUESTIONS & ANSWERS

(Complete below)

1. Does all work have to be completed by October 1st, 2023?

Answer:

No, funding must be authorized in the Federal Fiscal Year in which they are programmed. For this specific project, funds programmed for Preliminary Engineering Authorization is in FFY 2023 (October 1, 2022 and September 30, 2023). The completion date of October 1st, 2023, was removed from the project scope in the RFLOI and remained in the public notice on accident.

Generally, NCDOT will set up a portion of the total funding for preliminary engineering. PE Funding may be adjusted after the review and approval of a consultant contract. PE expenses should be monitored so that it stays within this range; additional funds may not be available.



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2. When does the work need to be completed by?

Answer:

The Village would request all work outlined in this RFLOI to be completed in 9 to 18 months after a firm has been selected, approved by NCDOT and execution of a consultant contract.

Please include a tentative outline and proposed schedule of completion with your submission.

Major milestones

can include:

- Completion of Environmental Document
- Start or completion of ROW Phase
- Completion of PS&E Package

NOTE from NCDOT: Based on Departmental records, the average time from the point of PE funding authorization to execution of a consultant contract is 8 months. Please factor this into your overall schedule.

END OF ADDENDUM NO. 1 of Bid



REQUEST FOR LETTERS of INTEREST (RFLOI)

Marvin Loop Trial Expansion (BL-0012)

Issue Date: March 21st, 2023

Submittal Deadline: April 14th, 2023 by 5PM

Village of Marvin

1 REQUEST FOR LETTERS of INTEREST (RFLOI) INSTRUCTIONS

1.1 Public Notice

The Village of Marvin (Village) seeks Engineering Services from fully qualified professional consulting firms for the design, feasibility studies, and environmental documents of new trail segments, which will be a continuation of the existing Marvin Loop Greenway Trail. The Village is pursuing firms that are knowledgeable regarding federal regulations in general, and firms whose combination of experience and expertise will provide timely, professional services to the Village.

This contract shall be partially reimbursed with federal-aid funding through the Federal Highway Administration (FHWA), North Carolina Department of Transportation (NCDOT), the Charlotte Regional Transportation Planning Organization's (CRTPO) Discretionary Project Program and the Village of Marvin. The solicitation, selection, and negotiation of a contract shall be conducted in accordance with all federal and state guidelines.

The work on this contract shall be completed by October 1st, 2023. The budget for this project is \$244,000.

A firm will not be considered unless the following minimum requirements are met:

1. A firm must be properly registered with the Office of the Secretary of State of North Carolina; and
2. The primary and any subconsultant firms(s) shall be prequalified by NCDOT to perform the required services. The firm should be prequalified with NCDOT under the following Work Codes/Discipline Codes:

Discipline Code/Work Code	Discipline/Description
201	Rural Roadway Design
269	Urban Roadway Design
341	Roadway Lighting
235	SUE (Subsurface Utility Engineering)
199	Route Location Surveys
433	Tier I Basic Hydrologic and Hydraulic Design
294	Roadway Foundation Investigation & Design
296	Retaining Wall Investigation & Design
207	Signal Design
208	Signal Equipment Design
155	Pavement Marking Plans
32	Categorical Exclusions
243	Threatened and Endangered Species Survey & Studies
59	Ecological & Biotic Community Studies
280	Wetland and Stream Delineation
76	Freshwater Mussel Surveys
287	Wetland, Stream and Buffer Permitting
152	Pavement Design
70	Erosion and Sediment Control Design
270	Utility Coordination
194	Right of Way Negotiators
192	Right of Way Appraisals
13	Appraisal Review
316	Multi-Use Trail Design, Survey & Layout
132	Landscape & Streetscape Design

Your firm shall be qualified by NCDOT prior to the RFLOI due date. Other transportation planning Discipline Codes may be considered, please justify them in your submittal.

Information related to this solicitation, including any addenda, will be posted to the State of North Carolina Interactive Purchasing System website at <https://www.ips.state.nc.us/IPS/Default.aspx>. For questions related to this solicitation contact:

Hunter Nestor
Planning and Zoning Administrator
Village of Marvin
704.843.1680
Planner@Marvinnc.gov

The RFLOI submission shall be received by the Village either by mail or hand delivered to Village Hall located at 10006 Marvin-School Road Marvin, NC 28173 or electronic (PDF Format only) to Planner@Marvinnc.gov prior to the due date and time for LOI submissions.

Except as provided below any firm wishing to be considered must be properly registered with the Office of the Secretary of State and with the North Carolina Board of Examiners for Engineers and Surveyors. Any firm proposing to use corporate subsidiaries or subcontractors must include a statement that these companies are properly registered with the North Carolina Board of Examiners for Engineers and Surveyors and/or the NC Board for Licensing of Geologists. The Engineers performing the work and in responsible charge of the work must be registered Professional Engineers in the State of North Carolina and must have a good ethical and professional standing. It will be the responsibility of the selected private firm to verify the registration of any corporate subsidiary or subcontractor prior to submitting a Letter of Interest. Firms which are not providing engineering services need not be registered with the North Carolina Board of Examiners for Engineers and Surveyors. Some of the services being solicited may not require a license. It is the responsibility of each firm to adhere to all laws of the State of North Carolina.

The firm must have the financial ability to undertake the work and assume the liability. The selected firm(s) will be required to furnish proof of Professional Liability insurance coverage in the minimum amount of \$1,000,000.00. The firm(s) must have an adequate accounting system to identify costs chargeable to the project.

1.2 Introduction

The purpose of this project is to provide planning and design for the completion of trail segments the Marvin Loop Trail. As a rapidly growing municipality adjacent to Charlotte, Marvin needs to prioritize developing a safe and interconnected greenway system that promotes safe non-vehicular travel and a sense of community.

As Marvin has grown, the Village has faced many challenges, the most daunting being increased traffic. Due to the rapid growth of neighboring municipalities, the Village of Marvin has experienced a continual growth in vehicular traffic. This increased traffic has left residents vulnerable, as many residents walk alongside roadways and in drainage ditches due to the lack of sidewalks and walking paths.

The Marvin Loop Trail segment in the scope of our proposal is the cornerstone of the Marvin Greenway network, which eventually will provide safe greenway access between all neighborhoods in Marvin and all destinations in and around Marvin, as well as residents of Charlotte, Waxhaw, Weddington, and beyond.

The development of our greenway system and the completion of the Marvin Loop Trail will be integral to providing a pedestrian connection to the Marvin Heritage District, a planned mixed-use downtown district on New Town Road between Marvin Road and Marvin School Road. This one trail segment in the scope of this grant application will provide interconnectivity between the proposed district, multiple neighborhoods, multiple churches, and Marvin Elementary School. The system will provide safe avenues of travel to promote a greater sense of community as well as healthy and active lifestyles.

1.3 Project Overview

The **Marvin Loop** aims to advance the implementation of the adopted Village of Marvin Parks and Greenways Master Plan **and** expand the trail alignment to include connections to existing and planned greenway trails within the Village and surrounding communities.

The Marvin Loop Trail follows New Town, Marvin School, Joe Kerr, and Marvin Roads. Approximately 40% of the Loop is complete to date.

Please see **Exhibit A** for maps of for the scope of services. The attached map indicates the general location of the entire trail. Design services for this LOI are for the portion of the Marvin Loop Trail from section 1 to section 6 (inclusive), as shown on the attached map. This phase of the Marvin Loop is for pedestrian improvements along SR 3635 (Marvin Road) at Saddle Avenue to SR 1316 (Marvin School Road) at Yellow Jasmine Lane.

1.4 Scope of Work

To provide professional engineering design services for the portion of the Marvin Loop Trail from section 1 to section 6 (inclusive), as shown on the attached map. This phase of the Marvin Loop is for pedestrian improvements along SR 3635 (Marvin Road) at Saddle Avenue to SR 1316 (Marvin School Road) at Yellow Jasmine Lane.

Professional Services Associated with Preliminary Engineering: Conceptual plans, planning or environmental studies, preliminary design, final design, and all other related design work necessary to advance a project to physical construction.

Examples include preparation of surveys, environmental documents, plans, specifications, and estimates, and construction proposals. For projects that do not result in physical construction, this includes activities that are necessary for the development or implementation of the project. Examples include developing or preparing safety programs, feasibility studies, conceptual studies, or other planning documents.

Easements and/or rights-of-way will be assessed and mapped by the selected firm (herein referred to as the ENGINEER). Easements and/or rights-of-way needed for the project are to be acquired and processed by the Village and/or NCDOT

Preliminary Design Services:
ENGINEER shall complete all surveying work.

ENGINEER shall complete all necessary environmental documents for the project.

ENGINEER shall provide preliminary conditions assessment of the proposed trail and provide services related to any required permits, geotechnical investigations, or other services required during the preliminary stage of the project.

ENGINEER shall provide sketches and drawings which illustrate the preliminary design of the project and meet with the Village, NCDOT and the majority of adjacent property owners, and the general public to review the preliminary design.

ENGINEER shall prepare an opinion of construction cost. Prepare preliminary copy of the Technical Specifications.

ENGINEER shall prepare Final plans for Construction that are reviewed and approved by the Village and NCDOT.

1.5 **RFLOI Schedule of Events and RFLOI Submission**

Provided below is the anticipated schedule of events. The Village reserves the right to adjust the schedule and to add/remove specific events to meet the unique needs of this Project.

Advertisement of RFLOI:	<i>Date on cover page</i>
Pre-Submittal Meeting:	None
Deadline for Questions:	<i>2 weeks after advertising</i>
DUE DATE & TIME FOR PROPOSALS:	<i>By 5PM on 4-14-2023</i>
Interviews (If needed):	Mid-April 2023
Selection Announcement:	May 2023

A pre-submittal meeting has not been scheduled.

The RFLOI submission shall be received by the Village either by mail or hand delivered to Village Hall located at 10006 Marvin-School Road Marvin, NC 28173 or electronic (PDF Format only) to Planner@Marvinnc.gov prior to the due date and time for LOI submissions.

Each Proposer is solely responsible for the delivery of the Letter of Interest and accepts all risks of late delivery regardless of fault. You may request a red receipt. In addition, Proposers accept all risks if file is corrupted, incorrect, incomplete, or not attached. Any LOI received after the due date and time for LOI submissions, regardless of the mode of delivery, shall not be considered.

1.6 **Selection Criteria and Process**

Firms will not be considered unless the following minimum qualifications are met:

- Firm must be properly registered with the Office of the Secretary of State of North Carolina (if applicable); and
- The primary and any subconsultant firms(s) shall be prequalified by North Carolina Department of Transportation (NCDOT) to perform the required services. The firm should be prequalified with NCDOT for Work Codes/Discipline Codes as identified above.

Selection criteria are listed below in descending order of importance:

- **Criteria Number 1 (25%):** Qualifications and recent relevant experience of firm and Key team members experience in providing planning services;
- **Criteria Number 2 (25%):** Project understanding, methodology and approach;
- **Criteria Number 3 (25%):** Understanding of local multi-modal initiatives; and
- **Criteria Number 4 (25%):** Demonstrated experience with federal and/or state funds and processes.

The Village will appoint a selection committee whose responsibilities will include performing independent technical review of each LOI and making selection recommendations based on the selection criteria provided above. Selections will focus on identifying the relative strengths, weaknesses, deficiencies and risks associated with each LOI. Interviews with firms may be held at the option of the selection committee. The Village reserves the right to obtain clarification or additional information with any firm.

The Village reserves the sole right to select the most qualified consultant(s) on the basis of best overall RFLOI(s) that is most advantageous to the Village. Firms that submit RFLOIs will be notified of the selection results. Final approval of any selected firm is subject to the approval of Village Board and/or Village officials.

1.7 RFLOI Format

Each Letter of Interest package should consist of a cover letter, responses to the specific inquiries in Section 1.7 below, and a set of completed Forms as requested in 1.8 below.

RFLOIs are limited to a maximum of 10 numbered, printed pages. Cover letters, required forms, resumes, covers, sub-tabs and dividers do not count toward the page limit. Non-conforming submissions may be removed from consideration at the sole discretion of the Village.

1.8 SUBMISSION ORGANIZATION AND INFORMATION REQUIREMENTS

Letter of Interest packages shall be arranged as follows:

Cover Letter: General Information

- A. Briefly describe your interest in the Project and the unique advantage your firm brings.
- B. State any conflicts of interest your firm or any key team member may have with this Project.

Must include the name, address, telephone number, and e-mail address of the prime consultant's contact person for this LOI.

The LOI must also include the information outlined below:

Chapter 1 - Introduction

The Introduction should demonstrate the consultant's overall qualifications to fulfill the requirements of the scope of work and should contain the following elements of information:

- Expression of firm's interest in the work;
- Statement of whether firm is on register;
- Date of most recent private engineering firm qualification;
- Statement regarding firm's(') possible conflict of interest for the work; and
- Summation of information contained in the letter of interest.

Chapter 2 - Team Qualifications

This chapter should elaborate on the general information presented in the introduction, to establish the credentials and experience of the consultant to undertake this type of effort. The following must be included:

1. Identify recent, similar projects the firm, acting as the prime contractor, has conducted which demonstrates its ability to conduct and manage the project. Provide a synopsis of each project and include the date completed, and contact person.
2. If subconsultants are involved, provide corresponding information describing their qualifications as requested in bullet number 1 above.

Chapter 3 - Team Experience

This chapter must provide the names, classifications, and location of the firm's North Carolina employees and resources to be assigned to the advertised work; and the professional credentials and experience of the persons assigned to the project, along with any unique qualifications of key personnel. Although standard personnel resumes may be included, identify pertinent team experience to be applied to this project. Specifically, the Department is interested in the experience, expertise, and total quality of the consultant's proposed team. If principals of the firm will not be actively involved in the study/contract/project, do not list them. The submittal shall clearly indicate the Consultant's Project Manager, other key Team Members and his/her qualifications for the proposed work. Also, include the team's organization chart for the Project / Plan. A Capacity Chart / Graph (available work force) should also be included. Any other pertinent information should also be listed in this section.

Note: If a project team or subconsultant encounters personnel changes, or any other changes of significance dealing with the company, NCDOT should be notified immediately.

Chapter 4 - Technical Approach

The consultant shall provide information on its understanding of, and approach to accomplish, this project, including their envisioned scope for the work and any innovative ideas/approaches, and a schedule to achieve the dates outlined in this RFLOI (if any project-specific dates are outlined below).

APPENDICES-

CONSULTANT CERTIFICATION Form RS-2

Completed Form RS-2 forms SHALL be submitted with the firm's letter of interest. This section is limited to the number of pages required to provide the requested information.

Submit Form RS-2 forms for the following:

- **Prime Consultant firm**
 - Prime Consultant Form RS-2 Rev 1/14/08; and
- **ANY/ALL Subconsultant firms** to be, or anticipated to be, utilized by your firm.
 - Subconsultant Form RS-2 Rev 1/15/08.
 - In the event the firm has no subconsultant, it is required that this be indicated on the Subconsultant Form RS-2 by entering the word "None" or the number "ZERO" and signing the form.

Complete and sign each Form RS-2 (instructions are listed on the form).

The required forms are available on the Department's website at:

<https://connect.ncdot.gov/business/consultants/Pages/Guidelines-Forms.aspx>

[Prime Consultant Form RS-2](#)

[Subconsultant Form RS-2](#)

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2 REPRESENTATIONS, CONDITIONS, AND OTHER REQUIREMENTS

2.1 TITLE VI NONDISCRIMINATION NOTIFICATION

The Village of Marvin in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all RESPONDENTS that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit LETTERS of INTEREST (LOIs) in response to this ADVERTISEMENT and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

2.2 SMALL PROFESSIONAL SERVICE FIRM (SPSF) PARTICIPATION

The Department encourages the use of Small Professional Services Firms (SPSF). Small businesses determined to be eligible for participation in the SPSF program are those meeting size standards defined by Small Business Administration (SBA) regulations, 13 CFR Part 121 in Sector 54 under the North American Industrial Classification System (NAICS). The SPSF program is a race, ethnicity, and gender neutral program designed to increase the availability of contracting opportunities for small businesses on federal, state or locally funded contracts. SPSF participation is not contingent upon the funding source.

The Firm, at the time the Letter of Interest is submitted, shall submit a listing of all known SPSF firms that will participate in the performance of the identified work. The participation shall be submitted on the Department's Subconsultant Form RS-2. RS-2 forms may be accessed on the Department's website at [NCDOT Connect Guidelines & Forms](#).

The SPSF must be qualified with the Department to perform the work for which they are listed.

2.3 PREQUALIFICATION

The Department maintains on file the qualifications and key personnel for each approved discipline, as well as any required samples of work. Each year on the anniversary date of the company, the firm shall renew their prequalified disciplines. If your firm has not renewed its application as required by your anniversary date or if your firm is not currently prequalified, please submit an application to the Department **prior to submittal of your LOI**. An application may be accessed on the Department's website at [Prequalifying Private Consulting Firms](#) -- Learn how to become Prequalified as a Private Consulting Firm with NCDOT. Having this data on file with the Department eliminates the need to resubmit this data with each letter of interest.

Professional Services Contracts are race and gender neutral and do not contain goals. However, the Respondent is encouraged to give every opportunity to allow Disadvantaged, Minority-Owned and Women-Owned Business Enterprises (DBE/MBE/WBE) subconsultant utilization on all LOIs, contracts and supplemental agreements. The Firm, subconsultant and subfirm shall not discriminate on the basis of race, religion, color, national origin, age, disability or sex in the performance of this contract.

2.4 DIRECTORY OF FIRMS AND DEPARTMENT ENDORSEMENT

Real-time information about firms doing business with the Department, and information regarding their prequalifications and certifications, is available in the Directory of Transportation Firms. The Directory can be accessed on the Department's website at [Directory of Firms](#) -- Complete listing of certified and prequalified firms.

The listing of an individual firm in the Department's directory shall not be construed as an endorsement of the firm.

3 North Carolina Department of Transportation and Federal Contracting Requirements

This exhibit must be included in all solicitations, including those where federal funds may be used to fund purchases of products, services, or construction solicited by this solicitation document. This Exhibit is attached and will be incorporated into the contract between the Village and the selected consultant. Capitalized terms not defined in this Exhibit shall have the meanings assigned to such terms in the Contract. In the event of a conflict between this Exhibit and the terms of the main body of the Contract or any other exhibit or appendix, the terms of this Exhibit shall govern.

Contracts resulting from this solicitation process will be for a fixed price and task orders may be issued with federal funds. The provisions required under 2 CFR §200.326 and as provided under 2 CFR Part 200, Appendix II, among other provisions, are incorporated herein by reference.

3.1 Government-Wide Debarment and Suspension (Non-Procurement)

The Consultant is required to verify that neither it, nor its principals (as defined at 49 CFR 29.995) or affiliates (as defined at 49 CFR 29.905) is excluded or disqualified as defined at 49 CFR 29.940 and 29.945.

The Consultant is required to comply with 49 CFR 29, Subpart C and must include the requirement to comply with 49 CFR 29, Subpart C in any lower tier covered transaction in which it enters. By signing and submitting its SOQ, the Consultant certifies as follows:

The certification in this clause is a material representation of fact relied upon by the City. If it is later determined that the bidder or proposer knowingly rendered an erroneous certification, in addition to remedies available to the City, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The bidder or proposer agrees to comply with the requirements of 49 CFR 29, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

3.2 No Lobbying

The Consultant certifies that it has not and will not pay any person or organization to influence or attempt to influence an officer or employee of the City, the State of North Carolina, any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining a contract under this RFLOI. In addition, in the event that a single contract awarded under this RFLOI exceeds \$100,000, the consultant must fully comply with the requirements of Title 40 CFR Part 34, New Restrictions on Lobbying, and submit required certification and disclosure forms accordingly.

3.3 Compliance with Anti-Discrimination and Equal Opportunity Laws and Regulations

Consultants must comply with all applicable anti-discrimination and equal opportunity statutes, regulations, and Executive Orders.

3.4 NCDOT Prequalification Requirements

The primary and/or subconsultant firms(s) shall be pre-qualified, as applicable, by NCDOT to perform the required services. Information about the prequalification process can be accessed at <http://www.ncdot.org/business/ocs/pef/>.

3.5 Record Retention

The Consultant certifies that it will comply with the record retention requirements detailed in 2 CFR § 200.333. The Consultant further certifies that it will retain all records as required by 2 CFR § 200.333 for a period of three (3) years after it receives Village notice that the Village has submitted final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

3.6 Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)

The Consultant certifies that:

- 3.6.1. No federal appropriated funds have been paid or will be paid, by or on behalf of the Consultant, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal Loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of and Federal contract, grant, loan, or cooperative agreement.
- 3.6.2. If any funds other than federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the Consultant shall complete and submit Standard Form—LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96)].
- 3.6.3. The Consultant shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.
- 3.6.4. The Consultant's completed Byrd Anti-Lobbying Certification is incorporated herein as Form 4.

3.7 DHS Seal, Logo, and Flags

The Consultant shall not use the Department of Homeland Security ("DHS") seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

3.8 Small Professional Service Firms

NCDOT encourages the use of Small Professional Service Firms (SPSF). Small businesses determined to be eligible for participation in the SPSF program are those meeting size standards defined by the Small Business Administration (SBA) regulations, 13 CFR Part 121 in Sector 54 under the North American Industrial Classification System (NAICS). The SPSF program is a race, ethnicity, and gender-neutral program designed to increase the availability of contracting opportunities for small businesses on federal, state, or locally funded contracts. SPSF participation is not contingent upon the funding source.

The Consultant, at the time the qualification package is submitted, shall submit a listing of all known SPSF firms that will participate in the performance of the identified work. The participation shall be submitted on Form D-1 (Prime Consultant – SPSF) and Form D-2 (Subconsultant – SPSF). The SPSF must be qualified with NCDOT to perform the work for which they are listed. Both forms must be completed for your proposal package to be complete.

Real-time information about firms doing business with NCDOT and firms that are SPSF certified through the Contractual Services Unit is available in the Directory of Transportation Firms. The directory can be accessed at the link on the NCDOT's homepage or by entering <https://www.ebs.nc.gov/VendorDirectory/default.html> in the address bar of your web browser. The listing of an individual firm in the NCDOT's directory shall not be construed as an endorsement of the firm.

3.9 Accounting System; Invoicing

The Consultant must have an adequate accounting system to identify costs chargeable to the Project.

3.10 Procurement of Recovered Materials

The Company represents and warrants that in its performance under the Contract, the Company shall comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

3.11 Clean Air Act and Federal Water Pollution Control Act

The Company agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401- 7671q) and the Federal Water Pollution Control Act as amended (33 Section 3 Village of Marvin FEDERAL CONTRACT TERMS AND CONDITIONS RFLOI 2021-576 – Electrical Engineering Design Services and Power Quality Studies Page 15 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

3.12 Energy Efficiency

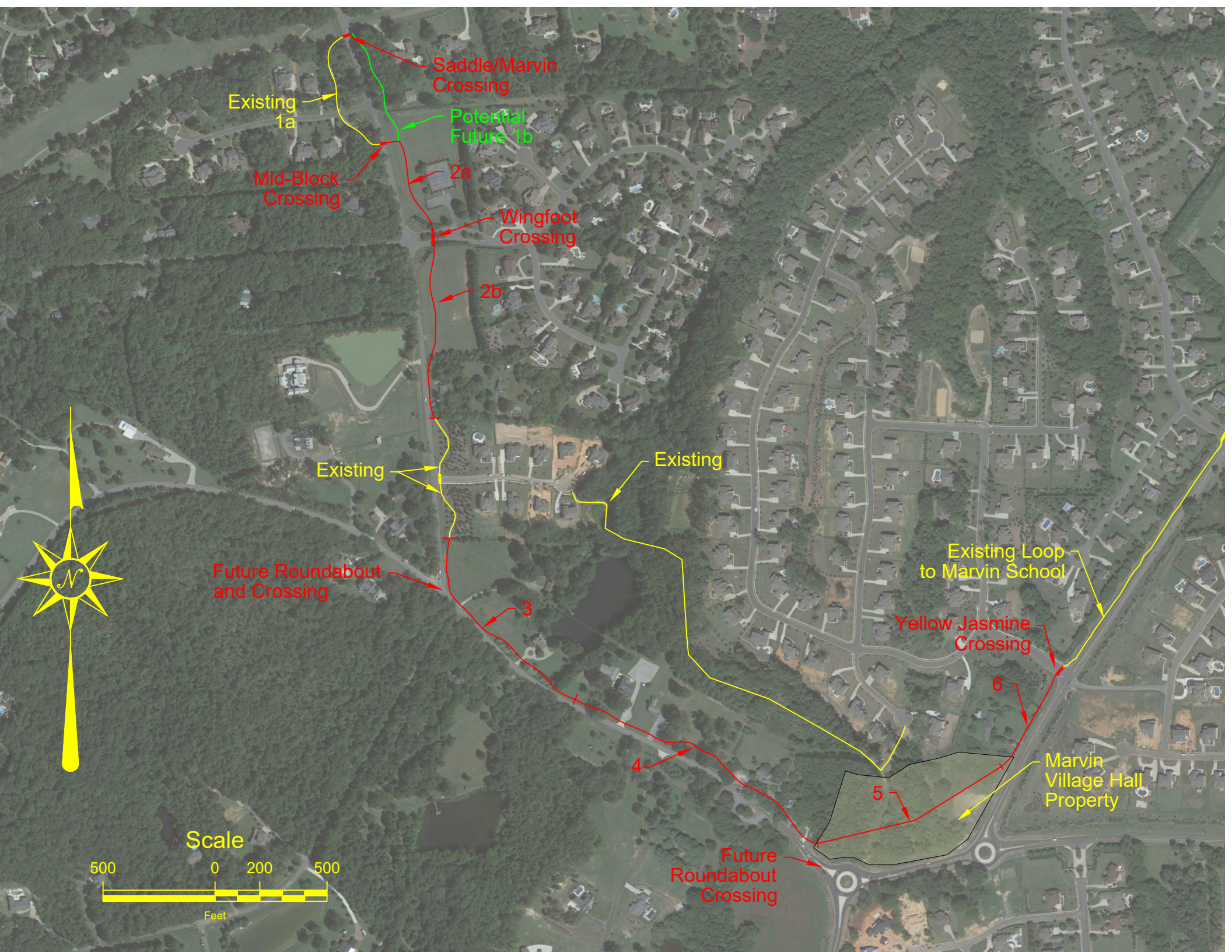
The Company certifies that the Company will be in compliance with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

3.13 Federal Acquisition Regulations (FAR) and Federal Highway Administration (FHWA) Requirements

Any contract resulting from this solicitation will incorporate all applicable FAR and FHWA clauses. Specifically, the Consultant will agree to comply with all FAR and FHWA requirements and guidelines, whether they are mentioned in the contract or not.

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EXHIBIT A – Map for Scope of Work



Saddle/Marvin Crossing

Potential Future 1b

Existing 1a

Mid-Block Crossing

2a

Wingfoot Crossing

2b

Existing

Existing

Future Roundabout and Crossing

3

Existing Loop to Marvin School

Yellow Jasmine Crossing

6

Marvin Village Hall Property

5

Future Roundabout Crossing

4

Scale



EXHIBIT B – Supplemental Information for Scope of Work

GREENWAY TRAIL SYSTEM RECOMMENDATIONS

Each greenway recommendation is designated as either a Spine (S) or Connector (C) Trail. The Spine Trail serves as the backbone of the larger greenway network. Connector Trails are routes that connect the Spine Trail to other key assets. A description for each proposed trail is subsequently provided, including the recommended trail type and estimate of probable cost. Cost estimates are projected to account for increased costs of construction and inflation in the future. An overview of the greenway system is provided on Map 4 (see page right).

QUICK FACTS

Spine Length: 7.27 miles **Connectors Length:** 27.59 miles
Total Greenway System Length: 34.86 miles **Total Existing Trails Length:** 4.13 miles
Estimated Cost to Complete Greenway System: \$20,512,400

S1 MARVIN LOOP

Trail Type(s): DOT Sidepath, Typical Greenway
Approximate Existing Distance: 8,662 lf (1.64 miles)
Approximate Total Distance: 19,715 lf (3.73 miles)
Estimate of Probable Cost: \$2,210,600

The Marvin Loop Trail follows New Town, Marvin School, Joe Kerr, and Marvin Roads. Approximately 40% of the Loop is complete. Significant destinations along trail S1 are Marvin Elementary School and the Village Hall.

S2 WAXHAW MARVIN GREENWAY

Trail Type(s): DOT Sidepath, Typical Greenway
Approximate Total Distance: 18,676 lf (3.54 miles)
Estimate of Probable Cost: \$3,735,200

The Waxhaw Marvin Greenway extends from the Waxhaw Marvin Road and New Town Road intersection to the southern Village limits along Waxhaw Marvin Road. This trail will ultimately connect the Marvin Loop (S1), Sandy Ridge Elementary School, and Marvin Ridge High/Middle School.

C1 NORTH MCBRIDE BRANCH GREENWAY

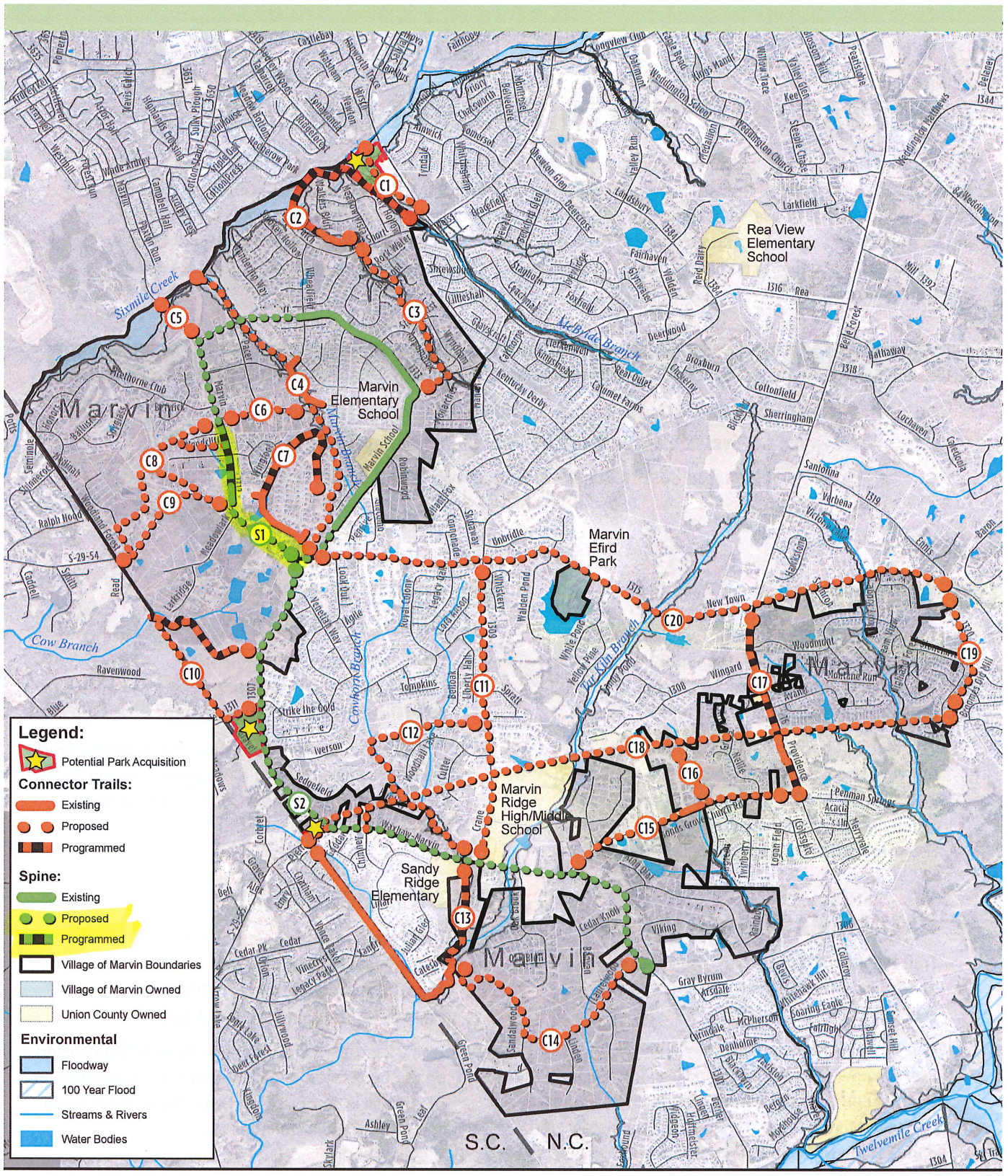
Trail Type(s): Crushed Stone Path
Approximate Total Distance: 2,337 lf (0.44 miles)
Estimate of Probable Cost: \$186,960

Trail C1 extends on the north side of McBride Branch from Tom Short Road to a proposed park on Six Mile Creek and Mecklenburg County's future Six Mile Creek Greenway.

C2 TULLAMORE TRAIL

Trail Type(s): Crushed Stone Path
Approximate Existing Distance: 1,144 lf (0.22 miles)
Approximate Total Distance: 6,568 lf (1.25 miles)
Estimate of Probable Cost: \$433,920

Trail C2 extends around the Tullamore Subdivision on the south side of McBride Branch. A short portion of the trail is complete and easements have been secured for the remainder of it.



Conceptual Greenway Plan

Village of Marvin

Union County, North Carolina

0 0.5 1 Miles

**DESTINATION
BY DESIGN**
PLANNING ENGINEERING COMMUNICATIONS



GREENWAY TRAIL SYSTEM RECOMMENDATIONS (CONT.)

C3 WYNDHAM HALL GREENWAY

Trail Type(s): DOT Sidepath, Crushed Stone Path
Approximate Total Distance: 6,042 lf (1.14 miles)
Estimate of Probable Cost: \$606,360

Trail C3 extends along a riparian corridor from Tom Short Road to Marvin School Road then follows Marvin School Road to the Marvin Loop (S1).

C4 MARVIN BRANCH GREENWAY

Trail Type(s): Crushed Stone Path
Approximate Existing Distance: 1,708 lf (0.32 miles)
Approximate Total Distance: 10,252 lf (1.94 miles)
Estimate of Probable Cost: \$683,520

Trail C4 extends along Marvin Branch from the intersection of New Town and Marvin School Roads to Six Mile Creek. The Marvin Branch Greenway completes multiple loops with trails S1, C6, and C7.

C5 SIX MILE CREEK CONNECTOR

Trail Type(s): DOT Sidepath
Approximate Total Distance: 1,508 lf (0.29 miles)
Estimate of Probable Cost: \$301,600

Trail C5 extends from the intersection Joe Kerr and Marvin Roads to the existing Six Mile Creek Greenway along Marvin Road.

C6 SADDLE AVENUE CONNECTOR

Trail Type(s): Sharrow - on road
Approximate Total Distance: 2,521 lf (0.48 miles)
Estimate of Probable Cost: \$TBD

Trail C6 extends along Saddle Avenue from the intersection of Saddle Avenue and Marvin Road to Marvin Branch and trail C4. The Saddle Avenue Connector completes multiple loops with trails S1 and C4.

C7 PRESERVE TRAIL

Trail Type(s): Crushed Stone Path
Approximate Existing Distance: 2,411 lf (0.46 miles)
Approximate Total Distance: 6,408 lf (1.22 miles)
Estimate of Probable Cost: \$319,760

Trail C7 extends behind the Village Hall and creates a short loop with trail C4. A short portion of the trail is complete and easements have been secured for the remainder of it.

C8 WOODLAND FOREST CONNECTOR

Trail Type(s): DOT Sidepath, Typical Greenway, Crushed Stone Path
Approximate Total Distance: 8,622 lf (1.63 miles)
Estimate of Probable Cost: \$793,200

Trail C8 extends from Marvin Road to New Town Road. The Woodland Forest Connector completes a loop with the Marvin Loop (S1) and trail C9. A couple of spurs on C8 complete shorter loops and connections in this area.

C9 MARVIN LOOP CONNECTOR

Trail Type(s): DOT Sidepath, Typical Greenway
Approximate Total Distance: 4,201 lf (0.8 miles)
Estimate of Probable Cost: \$840,200

Trail C9 extends from the NC/SC state line to the intersection of Marvin and New Town Roads. The Saddle Avenue Connector completes multiple loops with the Marvin Loop (S1) and trail C8.

C10 BROADMOOR GREENWAY

Trail Type(s): DOT Sidepath, Typical Greenway, Crushed Stone Path
Approximate Total Distance: 8,169 lf (1.55 miles)
Estimate of Probable Cost: \$787,680

Trail C10 creates a loop with the Marvin Waxhaw Greenway (S2).

ROUTE SUMMARY MATRIX

Trail Segment	Name	Trail Type	Length (linear feet)	Length (miles)	Location
S1	Marvin Loop	DOT Sidepath/ Typical Greenway	19,715	3.73	Along Marvin School, Joe Kerr, Marvin, and New Town Roads
S2	Waxhaw Marvin Greenway	DOT Sidepath/ Typical Greenway	18,676	3.54	Along Waxhaw Marvin Road
C1	North McBride Branch Greenway	Crushed Stone Path	2,337	0.44	Along north side of McBride Branch
C2	Tullamore Trail	Crushed Stone Path	6,568	1.25	Off road
C3	Wyndham Hall Greenway	DOT Sidepath/ Crushed Stone Path	6,042	1.14	Riparian corridor and along Marvin School Road
C4	Marvin Branch Greenway	Crushed Stone Path	10,252	1.94	Along Marvin Branch
C5	Six Mile Creek Connector	DOT Sidepath	1,508	0.29	Along Marvin Road
C6	Saddle Avenue Connector	Sharrow - on road	2,521	0.48	Along/on Saddle Avenue
C7	Preserve Trail	Crushed Stone Path	6,408	1.22	Off road
C8	Woodland Forest Connector	DOT Sidepath/ Typical Greenway/ Crushed Stone Path	8,622	1.63	Off road and along Woodland Forest Road
C9	Marvin Loop Connector	DOT Sidepath/ Typical Greenway	4,201	0.80	Along New Town Road
C10	Broadmoor Greenway	DOT Sidepath/ Typical Greenway/ Crushed Stone Path	8,169	1.55	Off road and along Stacy Howie Road
C11	Crane Road Greenway	DOT Sidepath	8,277	1.57	Along Crane Road
C12	Cowhorn Branch Greenway	Crushed Stone Path	8,788	1.66	Off road
C13	Chimneys Trail	Natural Surface Trail	9,823	1.86	Off road
C14	Tar Kiln Branch Connector	Natural Surface Trail/ Sharrow - on road	7,556	1.43	Off road and along Sandalwood and Lauralwood Lanes
C15	Bonds Grove Church Greenway	DOT Sidepath and Typical Greenway	6,753	1.29	Along Bonds Grove Church Road
C16	Belle Grove Trail	Crushed Stone Path	2,052	0.39	Off road
C17	Providence Road Greenway	DOT Sidepath and Typical Greenway	5,525	1.04	Along Providence Road
C18	Powerline Trail	Natural Surface Trail	18,530	3.51	Duke Power ROW and along Henry Nesbit Road
C19	Broomes Old Mill Connector	DOT Sidepath	3,852	0.73	Along Broomes Old Mill Road
C20	New Town Road Greenway	DOT Sidepath	17,827	3.38	Along New Town Road

Total Length (miles)

34.86