



REQUEST FOR QUALIFICATIONS

TRAFFIC IMPACT ANALYSIS AND SIGNAL DESIGN

NC HWY 210, SMITHFIELD, NC

Issue Date: Tuesday, October 22, 2024

Submission Deadline: Friday, November 1, 2024 at 12:00 p.m.

Introduction

The Town of Smithfield is seeking qualified firms to provide traffic engineering services for a comprehensive Traffic Impact Analysis (TIA) and the design of an intersection with a controlled signal light and potential alternative solutions for a new entrance drive for a new park located on NC Hwy 210 in Smithfield, NC. This project aims to ensure safe and efficient traffic flow while addressing existing and projected conditions.

Project Description

The project involves:

- Conducting a Traffic Impact Analysis for the intersection of Tulip Drive and the park access easement.
- Evaluating current traffic patterns, volumes, and safety concerns.
- Designing a controlled signal light system and identifying potential alternatives (e.g., roundabouts, stop signs, alternative park drive locations).
- Providing recommendations based on analysis findings.
- Preparing necessary documentation for local agency approvals.

Scope of Work

The selected firm will be responsible for:

- Performing data collection and analysis of existing traffic conditions.
- Conducting traffic forecasting and modeling.
- Developing and assessing alternative designs for the intersection and/or entrances.
- Preparing detailed design plans, specifications, and reports.
- Collaborating with local agencies (Town of Smithfield / NCDOT) and stakeholders.

Qualifications

Interested firms should demonstrate the following qualifications:

- Proven experience in traffic engineering, specifically in TIA and intersection design.
- Familiarity with local traffic regulations and standards.
- Expertise in traffic modeling.

- Strong communication and presentation skills.
- Experience working with public agencies.

Submission Requirements

Firms interested in this RFQ must submit the following materials:

1. Cover Letter – Expressing interest and summarizing qualifications.
2. Firm Profile – Including company history, size, and areas of expertise.
3. Project Team – Names and qualifications of key personnel who will be involved in the project.
4. Relevant Project Experience – Descriptions of similar projects completed in the past five years, including client references.
5. Approach to Project – Outline of proposed methodology for TIA and intersection design.
6. Timeline – Preliminary timeline for project milestones.

Submission Instructions

All qualifications must be submitted electronically in PDF format to gary.johnson@smithfield-nc.com by Friday, November 1, 2024 at 12:00 p.m. Late submissions will not be considered.

Please use: **HWY 210 PARK TIA RFQ** in the subject line.

Selection Process

Selection Process: Submissions will be evaluated based on the firm's history and qualifications (25%), proposed team (25%), relevant past projects (25%), and timeline (25%). Shortlisted firms may be invited to participate in interviews or presentations. The Town of Smithfield reserves the right to reject any or all submissions and to waive any informality or irregularity in the submission process.

Questions

For any questions regarding this RFQ, please contact Gary Johnson at gary.johnson@smithfield-nc.com or (919) 934-2148.