



CITY OF BURLINGTON

ENGINEERING DEPARTMENT

W. Todd Lambert, P.E.
City Engineer

REQUEST FOR QUALIFICATIONS

CITY OF BURLINGTON

2018 PAVEMENT CONDITION SURVEY

Professional Services – Civil Engineering Services

INTRODUCTION

The City of Burlington Engineering Department invites Civil Engineers, Multi-Disciplinary Firms, and any other qualified professionals to submit qualification proposals to provide professional services to perform an assessment of the City Public Right Way, including performing a pavement condition assessment of the roadways, condition assessment and ADA compliance of the sidewalks and ramps within the public R/W (including a maintenance schedule and costs) and evaluation of pavement markings condition.

BACKGROUND

The City of Burlington street system is composed of approximately 235.41 miles of City maintained asphalt roadways and 100 miles of sidewalk. The asphalt roadways require yearly maintenance in the form(s) of crack seal, patching, milling, bituminous surface treatment, and resurfacing. The purpose of this initiative is to conduct a visual survey of these City maintained streets in order to assign each street segment a Pavement Condition Rating (PCR). As part of the pavement rating survey, the condition of the existing pavement markings shall be evaluated. The City, proactively, desires to identify the ADA compliance of all existing sidewalk and curb ramps. The resulting survey should identify all areas not meeting current ADA guidelines and regulations. The sidewalk assessment should also include a condition rating of all sidewalks with associated maintenance schedule and costs to help guide the City's priority for budgeting needed maintenance funds. The sidewalk evaluation shall include all sidewalks within a public Right-of-Way (NCDOT or City).

OBJECTIVES

The City intends to hire a consulting firm to complete a pavement condition assessment for all City maintained asphalt roadways. The Consultant services shall include, but are not limited to the following:

- Preparatory work (review of Powell Bill listing of street segments, GIS, etc.)
- Visual pavement condition survey of each Paved City Street Segment
- Rate each street based on observing Alligator Cracking, Block Cracking, Reflective Cracking, Rutting, Raveling, Bleeding, Ride Quality, and Patching
- Generate a Pavement Condition Rating (PCR) by inputting the distresses listed above into an automated Pavement Management Software
- The street field survey shall also quantify existing curb and gutter per side (left and/or right), presence of sidewalk (if any) and side, asphalt height if above gutter, and if street is paved in the gutter.
- Report PCR for each paved city street segment in detailed report

- Recommend maintenance activities for each street segment with estimated cost
- Identify existing pavement markings for each Paved City Street segment and rate their condition
- Provide detailed report of PCR, maintenance activities (for pavement and markings), costs, etc.
- Provide a Microsoft Access Database / Excel computer application which will allow the City of Burlington to sort the master database by PCR, marking condition or street name (format / file will be provided to be compatible with COB GIS)
- Visual sidewalk condition survey of each Sidewalk section within the Public R/W
- Rate each Sidewalk section per street segment and identify east or west / north or south based on observing narrow sidewalk cracks, wide sidewalk cracks, small vertical displacement, large vertical displacement, surface defects and visual ADA deficiencies
- Generate a Present Serviceability Rating (PSR) for each Sidewalk section based on the distresses listed above
- Recommend maintenance activities for each Sidewalk section with an estimated cost
- Ramps shall be identified by intersection and quadrant (NE-1, SE-2, SW-3, NW-4) and compliance with current ADA standards; proposed remedies shall not be required as that will require site specific designs
- All data and evaluations shall be recorded in the supplied database for incorporation into the City's GIS system

ADDITIONAL INFORMATION

The selected consultant should be prepared to meet the Liability Insurance requirements of the City. Project scope, duration, and terms shall be negotiated with the selected consultant. The City shall provide the database for project completion; all other items required for the completion of the project should be identified in the proposal. Required items should be supplied by the consultant.

CONTENTS OF RESPONSE

This Request for Qualifications is intended to provide consultants with an opportunity to demonstrate their ability to perform the required tasks. The content of the response should respond to information presented in this Request for Qualifications. The City will require **one (1) original and three (3) copies** of the responses from all interested firms. All responses shall not exceed 25 (8½" x 11") pages and must contain the following information:

1. A brief description of the consultant's approach to this project.
2. A proposed project schedule identifying length of time required.
3. A description of the background, experience, and qualifications of the person who will act as project manager and the qualifications of the staff who will be assigned to this project. Include an organizational chart showing the proposed project personnel and office location.
4. A description of the pavement management software program to be used for generating Pavement Condition Ratings.
5. Similar projects completed by the firm.
6. References.
7. Any additional information the consultant deems appropriate.

METHOD OF SELECTION

Responses will be reviewed by an evaluation team for the purpose of identifying and recommending those individuals offering, in total, the highest qualifications and experience with this type of project. The individuals or firms recommended may also be interviewed by members of the evaluation team for the express intention of recommending a final short list of individuals or firms. It is anticipated that notice to proceed will be issued in October 2018 with work being completed by December 15, 2018.

The responses will be evaluated on various criteria including, but not limited to the following:

1. Qualifications, background, education, and prior experience of the firm and the proposed project team in executing similar projects. (30%)
2. Team member roles, experience, and office location. (25%)
3. Content, technical approach and understanding of the scope of the project. (40%)
4. Submitted work schedule. (5%)

SUBMITTAL

Please submit your Qualifications in a sealed envelope or package, to be received by the City **no later than 2:00 PM, Friday, OCTOBER 5, 2018** to the attention of:

**W. Todd Lambert, PE
City of Burlington
Engineering Department
425 S. Lexington Avenue
Burlington, NC 27215**

In the interest of fairness to all submitting firms, and to allow for the City's timely review, Proposals received after the scheduled receipt time stated above will not be accepted and will be marked "LATE". All submittals received become the property of the City and will not be returned. Faxed or e-mailed documents will not be accepted. Early submission of Qualifications is welcome and appreciated.

CONTACT PERSON

In the event clarification or additional information is needed, contact:

W. Todd Lambert, PE
City Engineer
(336) 222-5050
tlambert@burlingtonnc.gov