



Date: July 10, 2018

To: Thomas J. Bonfield, City Manager
Through: Keith Chadwell, Deputy City Manager
From: Terry Bellamy, Transportation Director
Subject: Contract for Neighborhood Bicycle Routes (TIP # C-5605I)

Executive Summary

The Neighborhoods Bicycle Routes Project (TIP # C-5605I) consists of approximately 7 miles of signed and marked neighborhood bike routes (i.e. bicycle boulevards) on streets in Central Durham. On December 5, 2017, the Transportation Department issued a Request for Letters of Interest (RFLOI) for engineering firms to provide engineering design services for the development of neighborhood bicycle routes. Letters of Interest (LOI) were received on January 5, 2018 from one professional engineering firm, Alta Planning + Design, Inc. A selection committee reviewed the submittal and determined that the proposal was acceptable. The selection committee recommended that the contract be awarded to Alta Planning + Design, Inc. for design services.

Recommendation

The Administration recommends that the City Council authorize the City Manager to execute a Design Services contract with Alta Planning + Design, Inc. for the Neighborhood Bicycle Routes (TIP # C-5605I) in the amount not to exceed \$149,278.14.

Background

This project will add signage and pavement markings to approximately 7 miles of neighborhood streets to improve the City's low-stress bicycle network. The City entered into a municipal agreement with the North Carolina Department of Transportation (NCDOT) on October 10, 2017. It is estimated that the total cost of the project will be \$644,728.00, with the cost of design being \$149,278.14.

The recommendation for a network of neighborhood bicycle routes, often called bicycle boulevards, was made in the recently adopted Bike+Walk Implementation Plan. Residents, neighborhood associations, and advocacy groups have also asked the City to consider improving neighborhood streets for use by bicycle. In 2017, a project to fund the planning, design and construction of a neighborhood bicycle route network was submitted to the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHCMPO) to compete for federal funding as part of NCDOT's Congestion Mitigation and Air Quality (CMAQ) application process. DCHCMPO reviewed projects based on emissions reduction, expected new bicycle and/or pedestrian trips, reduction in vehicle travel miles, and cost. This project was approved for funding by DCHCMPO and NCDOT.

Issues and Analysis

Selection of Corridors: The CMAQ application identifies seven (7) miles of potential bicycle boulevard routes for modeling and cost estimate purposes. An independent organization, Durham Bicycle Boulevards, has also proposed a number of route options. The final selection of corridors

will come during the planning and design process and involve the opportunity for input from residents.

Project Timeline: The planning and design phase of the project is anticipated to occur in 2018 and continue through early 2019. Construction is anticipated to occur in late 2019.

Eligible Expenses: CMAQ funding for planning and design must be directly connected to what is constructed. Therefore, what is designed and built in this project may not be a full and complete network but a first phase of a network that could be expanded in the future. Additionally, CMAQ-eligible expenses are limited to signage and pavement markings. Other speed or traffic volume management tools to “enhance” the bicycle routes could be considered for installation in the future.

Diversity at Alta Planning + Design, Inc: The Department is aware that Alta has been asked to improve the diversity of its workforce. Although the workforce statistics have not yet significantly changed, Exhibit C explains Alta’s current initiatives and future plans to improve diversity in its local office.

Alternatives

The City Council may choose not to proceed with this project and redirect the funding to another project; however, the City would lose the federal funds for this project.

Financial Impact

The City must program the total cost of the project up front and seek reimbursement of the eligible expenses minus the local match. For the engineering design portion of this project, the City will be reimbursed approximately \$119,422.51, with local funding covering the additional \$29,855.63.

The total budget for this project is \$644,728.00. After design, the remaining funds available for construction, inspection, testing, and right-of-way acquisition is \$495,449.86. The total estimated project cost to the City is \$139,230; which includes expenses that exceed the amount for which NCDOT will reimburse as detailed in the approved Municipal Agreement. Funds are available in the Federal-State Match CIP fund for this design contract.

UBE Summary

This is a federally funded project and was not reviewed by the Department of Equal Opportunity/Equity Assurance for compliance with the Ordinance to Promote Equal Opportunities in City Contracting.

Alta Planning + Design will subcontract to the following certified firms:

Firm	ID	City/State	Amount	% of Contract
BREE & Associates	MUBE	Raleigh, NC	\$ 4,116.20	% 2.76
Planning Communities, LLC	WUBE	Raleigh, NC	\$11,192.62	% 7.5
Ecological Engineering, LLP	WUBE	Cary, NC	\$6,409.64	% 4.29

ALTA WORKFORCE STATISTICS

Total Workforce:

Employment Category	Total Employees	Total Males	Total Females
Project Manager	6	5	1
Professional	6	3	3
Technical	1	1	0
Clerical	3	0	3
Labor	0	0	0
Total	16	9	7

Male:

Employment Category	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager	5	0	0	0	0
Professionals	3	0	0	0	0
Technical	1	0	0	0	0
Clerical	0	0	0	0	0
Labor	0	0	0	0	0
Total	9	0	0	0	0

Female:

Employment Category	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager	1	0	0	0	0
Professionals	3	0	0	0	0
Technical	0	0	0	0	0
Clerical	3	0	0	0	0
Labor	0	0	0	0	0
Total	7	0	0	0	0

Attachments

1. Professional Service Contract with Alta Planning + Design, Inc. for the Design of Neighborhood Bicycle Routes
2. Exhibit A: C-5605I Design Scope of Work

3. Exhibit B: NCDOT Rates and Mandays
4. Exhibit C: Memo Re: Alta's Diversity Initiative