



Date: February 20, 2023

To: Wanda S. Page, Interim City Manager
Through: Keith Chadwell, Deputy City Manager
From: Sean C. Egan, Director of Transportation
Subject: Construction of a Traffic Signal at Hillandale Road and Horton Road

Executive Summary

On September 29, 2022, The City of Durham Department of Transportation opened bids for a contract to install a new traffic signal at Hillandale Road and Horton Road in Durham. The lowest responsive bid was submitted by Fulcher Electric of Fayetteville, Inc., of Fayetteville, North Carolina.

Motion

To authorize the City Manager to execute a contract with Fulcher Electric of Fayetteville, Inc. in the amount of \$296,135 for the installation of a new traffic signal at Hillandale Road and Horton Road;

To establish a project contingency fund in the amount of \$44,420.25; and

To authorize the City Manager to negotiate change orders to the project provided the cost of the contract, including all change orders, does not exceed the total contract cost of \$340,555.25.

Background

As part of the City’s Vision Zero resolution approved by the Durham City Council, Transportation staff developed a list of intersections with documented safety issues. The intersection of Hillandale Road and Horton Road was identified to be correctable via a traffic signal installation with pedestrian accommodations. NCDOT and City Staff collaborated to complete the signal warrant analyses, design of the traffic signals, electrical details, metal pole designs with street lighting and signal system communications plans for the proposed traffic signal.

City Transportation analyzed the physical constraints of the intersection and determined the appropriate location for each pedestrian crossing and sidewalk to complement the traffic signal installation. The intersection upgrade will improve traffic control, facilitate use of emerging traffic signal technologies to improve safety for motorists, transit, bicyclists and pedestrians.

Issues and Analysis

The first advertisement of the subject project on August, 17, 2022 was deemed non-responsive due to an insufficient number of bids. The following is a summary of bids received on the second project advertisement on September 29, 2022:

<u>Company</u>	<u>Bid Amount</u>
Fulcher Electric of Fayetteville, Inc.	\$296,135.00

The solitary bid was determined to be acceptable based on the following;

- This was the second advertisement of the subject project
- The bid amount of \$296,135.00 aligns with the project construction estimate of \$276,805 (+6.9%)
- The contractor made a commitment to pay the prevailing Durham Livable Wage of \$17.60 to all employees on this project

Alternatives

City Council can choose to authorize the City Manager to execute a contract with Fulcher Electric of Fayetteville, Inc. since the bid received is competitive, or City Council can choose not to proceed with this project.

Financial Impact

Funds for this project are available in the following CIP account(s):

Miscellaneous Thoroughfares - Construction: 3608L980- 731000-LC200	\$296,135.00
Miscellaneous Thoroughfares - Contingency: 3608L980-731900-LC200	<u>\$44,420.25</u>
	Total = \$340,555.25

Equal Business Opportunity Summary

The Underutilized Business Compliance division reviewed the bid submitted by Fulcher Electric of Fayetteville, Inc. and have determined after a Good Faith Effort Review; that they are in compliance with the Equal Business Opportunity Program Ordinance.

The goal(s) for this project was/were MUBE 11%, and WUBE 7%.

Fulcher Electric will utilize the following certified firms:

Firm	ID	City/State	Amount	% of Contract
Browe Construction	WUBE	Selma, NC	\$24,050.00	8.1%
Precision Contracting Services, Inc.	WUBE	Jupiter, FL	\$14,365.00	4.8%

Contractor Workforce Diversity & Hiring Practices

Workforce Diversity Summary Statement: According to the contractor’s responses to the “Contractor Workforce Diversity Questionnaire,” the contractor has 31 employees consisting of “a mix of professional/skilled and unskilled” workers. The contractor believes it has a diverse workforce. “Fulcher Electric has a specialized workforce for the kind of work it’s employees perform regularly. Minorities and women are included. Fulcher does not have a large turnover with its employees.”

In an effort to improve workforce diversity, the contractor actively advertises employment opportunities with 11 Recruitment Agencies with a mission to serve HBCU’s, Veterans, women, residents of the Triangle and Minority candidates. Fulcher Electric of Fayetteville, Inc. committed to paying the prevailing Durham Livable Wage of \$17.60 to all employees on this project.

Part A - Employee Diversity Breakdown Table for Primary Location

Employment Category	Total Employees	Total Males	Total Females	M-----a-----l-----e-----s					F-----e-----m-----a-----l-----e-----s				
				White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager	1	1		1									
Professional	3	3		3									
Labor	22	22		3	1	18							
Clerical	4		4						4				
Totals	30	26	4	7	1	18			4				

Attachments

Contract – Construction of a Traffic Signal at the Intersection of Hillandale Road and Horton Road
 Exhibit A – City of Durham Modifications to 2018 NCDOT Standard Specifications for Roads and Structures

Exhibit B – Project Plans for the Construction of a Traffic Signal at the Intersection of Hillandale Road and Horton Road

Exhibit C – Project Special Provisions for the Construction of a Traffic Signal at the Intersection of Hillandale Road and Horton Road

Exhibit D – Payment and Performance Bonds for the Construction of a Traffic Signal at the Intersection of Hillandale Road and Horton Road