



**Date:** January 16, 2024

**To:** Wanda S. Page, Interim City Manager  
**Through:** G. Keith Chadwell, Deputy City Manager  
**From:** Sean C. Egan, Director of Transportation  
**Subject:** Construction of a Traffic Signal at S. Miami Boulevard, Juniper Street, and N. Guthrie Avenue

### **Executive Summary**

The City of Durham Department of Transportation opened bids for a contract to install a new traffic signal at S. Miami Boulevard, Juniper Street, and N. Guthrie Avenue in Durham on November 8, 2023, and again on November 29, 2023. The lowest responsive bid was submitted by LMJ Pavement Marking, LLC from Willow Spring, North Carolina.

### **Motion**

To authorize the City Manager to execute a contract for the installation of a new traffic signal at S. Miami Boulevard, Juniper Street, and N. Guthrie Avenue with LMJ Pavement Marking, LLC in an amount not to exceed \$300,000;

To establish a project contingency fund in the amount of \$45,000; and,

To authorize the City Manager to negotiate and execute modifications to the contract provided that the total contract amount, including existing contingency funds, does not exceed \$345,000.

### **Background**

The intersection of S. Miami Boulevard, Juniper Street, and N. Guthrie Avenue was the site of a fatal crash and as part of the City's Vision Zero Program, Transportation staff completed a crash analysis and traffic signal warrant analysis of the intersection. The traffic study revealed the intersection met the Peak Hour Delay Warrant based on traffic volumes.

Mekuria Engineering, Inc. (Mekuria) was selected to design the traffic signal, electrical details, metal poles, street lighting and signal system communications plan for the proposed traffic signal. Transportation staff and Mekuria analyzed the physical constraints of the intersection and determined the appropriate locations for each pedestrian crossing to complement the traffic signal installation. The proposed traffic signal upgrade will improve traffic flow, utilize emerging traffic signal technologies, and improve safety for motorists, transit ridership and pedestrians.

### **Issues and Analysis**

The first advertisement of the subject project was held on September 25, 2023; however, due to receiving an insufficient number of bids the project was re-advertised.

The following is a summary of bids received on the second project advertisement on November 29, 2023:

Company	Bid Amount
LMJ Pavement Marking, LLC	\$300,000.00 ( <i>Lowest Responsive</i> )
Fulcher Electric of Fayetteville, Inc.	\$314,935.00

The LMJ Pavement Marking, LLC is recommended for contract award based on the following:

- Their bid was the lowest responsive bid received;
- The bid amount of \$300,000.00 was within 16% of the engineer’s construction estimate of \$258,250.00; and
- LMJ Pavement Marking, LLC is a HUB certified **WUBE** firm

**Alternatives**

City Council can choose to authorize the City Manager to execute a contract with LMJ Pavement Marking, LLC since the bid received is competitive, or City Council can choose not to proceed with this project.

**Financial Impact**

Funding for this project is available in the following accounts:

Fund	Organization Code	Object Code	Project Code	Amount
Construction	3000L000	731000	LC660	\$281,058.97
Construction	3000L000	731000	LC432	\$18,941.03
Contingency	3000L000	731900	LC432	\$45,000.00
Total				\$345,000.00

**Equal Business Opportunity Summary**

The Underutilized Business Compliance Division of Finance reviewed the proposal submitted by LMJ Pavement Marking, LLC of Willow Springs, NC and determined that they are in compliance with the Ordinances to Promote Equal Business Opportunities in City of Durham Contracting. The goals for this effort were **MUBE** 0% and **WUBE** 0%.

After review, it was determined LMJ Pavement Marking, LLC was in compliance with the Ordinance to promote Equal Business Opportunities in City Contracting.

LMJ Pavement Marking, LLC is a HUB certified **WUBE** firm.

**UBE REQUIREMENTS**

Due to the specialized nature of work, there were no UBE goals for this project.

**Contractor Workforce Diversity & Hiring Practices**

Workforce Diversity Summary Statement: According to the contractor’s responses to the “Contractor Workforce Diversity Questionnaire,” the contractor has 22 employees consisting of professional and skilled workers. The contractor believes it has a diverse workforce, “Yes, we happily accept talented employees regardless of age, race, religion, etc.”

In an effort to improve workforce diversity, the contractor actively advertises employment opportunities via, “several hiring platforms.” LMJ Pavement Marking, LLC represents that it pays 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	3			2		1							
Professional	10			5		1			4				
Labor	9			3	2	4							
Clerical													
<b>Totals</b>	22			10	2	6			4				

**Attachments**

1. Contract - Construction of a Traffic Signal at the Intersection of S. Miami Boulevard, Juniper Street, and N. Guthrie Avenue
2. Exhibit A - City of Durham Modifications to 2018 NCDOT Standard Specifications for Roads and Structures
3. Exhibit B - Project Plans for the Construction of a Traffic Signal at the Intersection of S. Miami Boulevard, Juniper Street, and N. Guthrie Avenue
4. Exhibit C - Project Special Provisions for the Construction of a Traffic Signal at the Intersection of S. Miami Boulevard, Juniper Street, and N. Guthrie Avenue
5. Exhibit D - Performance Bond [not included—to be provided after execution of contract]