

## Legislation Text

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File #: 15-9455, Version: 1

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### Intelligent Transportation System Projects Engineering Services

#### **Action:**

**Approve professional services contracts in the estimated amount of \$575,000 for the inspection and construction administration of Intelligent Transportation Systems projects with the following firms:**

- **Exult Engineering (\$250,000),**
- **SEPI Engineering & Construction (\$175,000), and**
- **STV Engineers, Inc. (\$150,000).**

#### **Staff Resource(s):**

Liz Babson, Transportation

Ashley Boenisch, Transportation

#### **Explanation**

- Intelligent Transportation Systems (ITS) projects are part of the implementation of the ITS Master Plan described in the Transportation Action Plan.
- The City continues to install fiber optic cable to support its growing communications system with over 300 miles of fiber optic cable connecting over 600 traffic signals.
- Fiber optic cabling, traffic signal interconnection, and video traffic management cameras provide the ability to remotely adjust traffic signals in response to traffic flow and emergency conditions. Does this work have a safety component associated with Vision Zero? (No correlation with Vision Zero.)
- The contracts will provide inspection and construction administration services for five ITS projects:
  - Harris Boulevard from University City Boulevard to Rocky River Road and from Old Concord Road to Mclean Road (Council District 4),
  - Wilkinson Boulevard from Morehead Street to Josh Birmingham Parkway (Council District 3),
  - Steele Creek Road from Westinghouse Boulevard to South Tryon Street (Council District 3),
  - Arrowood Road from South Tryon Street to South Boulevard (Council District 3), and
  - Mallard Creek Road from Harris Boulevard to Governor Hunt Road (Council Districts 2 and 4).
- These contracts will vary from project to project and may include utility relocation services, construction administration, or construction inspection.
- On August 16, 2018, the City issued a Request for Qualifications (RFQ); six proposals were received.
- Exult Engineering, SEPI Engineering & Construction, and STV Engineers, Inc. were selected as the best firms to meet the City's needs in terms of qualifications, experience, and responsiveness to RFQ requirements.
- The contract amounts were determined based on the anticipated ITS projects each firm will be assigned. The projects vary in length, the number of traffic signals, and the number of cameras.

#### **Background**

- On September 11, 2017, City Council approved a municipal agreement with the North Carolina Department of Transportation to accept a Congestion Mitigation and Air Quality (CMAQ) grant for the construction of ITS projects in the amount of \$1,580,000.

- CMAQ funding for construction is \$1,580,000 (79 percent) and the City's match for construction is \$420,000 (21 percent) for five projects along sections of these corridors: Harris Boulevard, Wilkinson Boulevard, Steele Creek Road, Arrowood Road, and Mallard Creek Road. The grant also reimburses the City for up to 15 percent of inspection and construction administration costs.

**Charlotte Business INclusion**

This contract is a Federal contract and is exempt (Part A: Appendix 1.27 of the Charlotte Business INclusion Policy). However, Exult Engineering is a certified SBE and SEPI Engineering is a certified WBE.

**Fiscal Note**

Funding: Community Investment Plan

**Attachment(s)**

Map