



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: November 7, 2016

Re: Authorizing a Professional Engineering Services Agreement for Nifong Boulevard Improvement Project – Providence Road to Forum Boulevard

Executive Summary

Authorizing the City Manager to execute a professional engineering services agreement with Engineering Surveys and Services (ES&S) for design services related to the Nifong Boulevard Improvement Project – Providence Road to Forum Boulevard (see attached location map).

Discussion

The improvement of Nifong Boulevard between Providence Road and Forum Boulevard was identified in the 2015 Capital Improvement Program (CIP) ballot. The study and design for the improvement will include the following:

- Completion of a topographic survey and utility locations for the corridor
- Completion of a comprehensive traffic study and corridor analysis
- Analysis and design for access management of the business section between Providence Road and Aurora Drive
- Analysis and design to improve Nifong Boulevard from Providence Road to approximately 1,900 linear feet west of Forum Boulevard. The anticipated design is five lanes (two eastbound lanes, two westbound lanes, and a center turn lane) with bike lanes and sidewalks
- Analysis and design of the intersection of Nifong Boulevard with Bethel Road and the intersection of Nifong Boulevard with Forum Boulevard

The engineering design agreement with ES&S for the improvement includes the following:

- Surveying
- Traffic study
- Traffic corridor analysis and design
- Access management recommendations
- Display drawings and representation in the public meetings
- Geotechnical engineering
- Pavement analysis/design
- Hydraulic analysis and stormwater management
- Easement descriptions
- Environmental and historic preservation services and permits
- Utility coordination
- Signal timing
- Aesthetic features design
- Concept plans
- Preliminary plans



- Right of way plans
- Final plans, specifications, and cost estimates
- Bid phase and construction phase services

ES&S was selected through a request for qualifications (RFQ) process, and will serve as the lead design consultant for the improvement project. The RFQ required a Disadvantaged Business Enterprise (DBE) goal of eight percent for the project. ES&S will use both EFK Moen and Landworks Studios as DBE sub-consultants, providing approximately 33 percent of the design services, far exceeding the eight percent goal. EFK Moen will perform the corridor traffic analysis and traffic study report, evaluate access management options on the east end of the corridor from Providence Road to Aurora Drive, prepare concept plans and final construction documents for the east end of the project, provide all traffic signal and street lighting design, and any structural engineering required for the project. Landworks Studios will evaluate aesthetic feature options and prepare color renderings to be used during public meetings, and will design any aesthetic features that are incorporated into the final plans.

The construction of the intersection improvements is anticipated to begin in the spring of 2020. The agreement with ES&S is for a not to exceed amount of \$915,655 and will be funded by 0.25% Capital Improvement Sales Tax.

Fiscal Impact

Short-Term Impact: The Engineering Services agreement with ES&S is for a not to exceed amount of \$915,655, and is funded by 0.25% Capital Improvement Sales Tax.

Long-Term Impact: Right of way acquisition, utility relocation, and construction cost of the project is estimated as \$10,600,000.

Vision & Strategic Plan Impact

[Vision Impacts:](#)

Primary Impact: Transportation, Secondary Impact: Secondary, Tertiary Impact: Tertiary

[Strategic Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Secondary, Tertiary Impact: Tertiary

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Mobility, Connectivity, and Accessibility, Tertiary Impact: Tertiary



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Legislative History

Date	Action
09/21/2015	(Ord 22591) Re-imposing a sales tax of one-fourth of one percent for funding capital improvements.

Suggested Council Action

Authorize the City Manager to execute a professional engineering services agreement with Engineering Surveys and Services for the Nifong Boulevard Improvement project-Providence Road to Forum Boulevard.