



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: October 15, 2018

Re: Authorizing a Professional Engineering Services Agreement for the Route K Roundabout at Sinclair Road and Old Plank Road

Executive Summary

Authorizing the City Manager to execute a professional engineering services agreement with Burns and McDonnell Engineering Company, Inc. for design services related to the Route K Roundabout at Sinclair Road and Old Plank Road project. The engineering design services agreement is for a not to exceed amount of \$97,500.

Discussion

The City of Columbia has a Partnership Funding Program cost share agreement with MoDOT for the design and construction of the Route K Roundabout at Sinclair Road and Old Plank Road. The proposed roundabout project will improve long term safety at the intersection of Route K, Sinclair Road, and Old Plank Road. Currently, the north leg (Sinclair) and the south leg (Old Plank) of the intersection are offset from each other. The roundabout will align the two legs plus provide other safety features associated with a roundabout, such as slowing the vehicles through the intersection. Residential developments under construction along Route K, Sinclair, and Old Plank, plus the construction of the middle school along Sinclair, are anticipated to increase traffic through this intersection.

The Professional Engineering Services Agreement with Burns and McDonnell Engineering Company, Inc. will include the following services related to the design and construction of the roundabout at a cost of \$97,500.

- Preliminary Plan Design
- Final Plans, Specifications, and Estimates
- Bid Phase Services
- Construction Phase Services

The scope of work for the project is included in Attachment A of the agreement.

The total project is estimated to cost \$1,246,375. Per the MoDOT cost share agreement, MoDOT and the City will each fund 50% of the total project cost. CPS is contributing \$169,723 towards the City's share of the project through a performance contract authorized by Council on July 16, 2018 (B154-18). The City will fund the remaining match using the quarter-cent Capital Improvement Program sales tax. The construction of the roundabout is anticipated to begin during the spring of 2020.



Fiscal Impact

Short-Term Impact: The agreement with Burns & McDonnell is for a not to exceed amount of \$97,500. The total project is estimated to cost \$1,246,375 with the City's share estimated to cost \$453,465 and will be funded by quarter-cent Capital Improvement Program sales tax. CPS will contribute \$169,723 toward the City 50% share of the project cost.

Long-Term Impact: The roundabout will be maintained by MoDOT.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

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

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Inter-Governmental Cooperation, Tertiary Impact: Mobility, Connectivity, and Accessibility

Legislative History

Date	Action
7/16/2018	B155-18 Authorizing Cost Share Agreement with MoDOT.
7/16/2018	B157-18 Authorizing CPS Middle School Final Plat and Performance Contract
12/18/2017	R181-17 Authorize City Manager to submit cost share application.

Suggested Council Action

Council motion authorizing the City Manager to execute a professional engineering services agreement with Burns and McDonnell Engineering Company, Inc. for design services related to the Route K Roundabout at Sinclair Road and Old Plank Road project.