



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: April 4, 2022

Re: Professional Engineering Services Agreement for Route B Road Safety Audit

Executive Summary

Staff is requesting the City Manager to execute a professional engineering services agreement with George L. Crawford & Associates, Inc. (dba CBB) for engineering services related to a Road Safety Audit of the Route B corridor, generally from Oakland Church Road to Business Loop 70 (approximately 5.2 miles). The engineering services agreement is for a not to exceed amount of \$128,738.90.

Discussion

As part of the City's Vision Zero initiative, Road Safety Audits were identified as one mechanism to reduce crashes and the severity of crashes if they might occur.

The Federal Highway Administration (FHWA) formalized a Road Safety Audit (RSA) that provides an overall framework for specific analysis of a roadway. While each roadway has individual characteristics, the benefits of the RSA process developed by FHWA has led to successful short and long term crash reduction strategies throughout the United States.

Based on in depth analysis, the Crash Analysis and Engineering Teams identified that Route B is the best candidate for the first formal Road Safety Audit pursued by the City. Crash history maps along the corridor for severe injury and fatal crashes are provided in Exhibit A. While some crashes have some similarities, no current targeted solution or single specific action appears to be able to address the types of crashes that are occurring.

The crash history coupled with other factors such as the Route B corridor continuing to be a key employment area for the City and with the planned future addition of a trail along a portion of Route B, timing of examination is important. Pursuing a Road Safety Audit appears to be the best course of action in order to guide pursuing next steps.

Per a June, 2021 Council update, Staff sought potential qualified firms for the RSA effort. CBB has been selected as the staff recommended candidate firm to lead the effort to develop a team of professionals and engage stakeholders along the corridor to examine existing characteristics and evaluate future potential plans and improvements.

The RSA process will involve public engagement, evaluation, analysis and a formal report that will help the City pursue ways to decrease severe injury and fatal crashes along the corridor. Since Route B is maintained by the Missouri Department of Transportation (MoDOT) working with MoDOT during the process will be an important part of the project. The final



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RSA document will ultimately help to guide decision making for both the City and MoDOT with respect to potential funding for future improvements along the corridor.

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

The professional engineering services agreement is for a not to exceed amount of \$128,738.90. The estimated total project costs for future improvements is not currently known. The RSA will provide analysis regarding potential ranges for costs associated for improvements along the corridor so that funding sources can be identified and sought. The RSA project is being funded with quarter-cent Capital Improvement Program sales tax transportation safety funds. If approved, the RSA process will begin this spring and continue through fall 2022.

Fiscal Impact

Short-Term Impact: \$128,738.90. Short term improvements could be identified and pursued with either Capital Improvement Sales tax funds approved by Council or with Operating funds both at a currently unknown amount.

Long-Term Impact: Currently unknown. It is anticipated that some projects could be identified that may be candidates for cost share or grant projects with MoDOT or other agencies.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Safe Neighborhoods, Secondary Impact: Resilient Economy, Tertiary Impact: Reliable Infrastructure

Comprehensive Plan Impacts:

Primary Impact: Livable & Sustainable Communities, Secondary Impact: Infrastructure, Tertiary Impact: Mobility, Connectivity, and Accessibility

Legislative History

Date	Action
06/21/2021	REP49-21: City of Columbia Vision Zero Program Update.
05/15/2017	REP37-17: City of Columbia Vision Zero Action Plan 2017-2020
12/19/2016	PR178-16: Adopting a "Vision Zero" Policy; setting a goal of eliminating traffic deaths and serious injuries in Columbia by 2030. The vote on PR178-16, as amended, was recorded as follows: VOTING YES: TRAPP, SKALA, THOMAS, NAUSER, PETERS, TREECE, RUFFIN.) VOTING NO: NO ONE. Policy resolution declared adopted.



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Suggested Council Action

Authorize the City Manager to execute a professional engineering services agreement with George L. Crawford & Associates, Inc. (dba CBB) for services related to the Route B Road Safety Audit project.