



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: July 6, 2020

Re: Authorizing a Professional Engineering Services Agreement for the Design of the Proposed Ridgemont Road Bridge Replacement Project.

Executive Summary

Staff is requesting Council authorize the City Manager to execute a professional engineering services agreement with Anderson Engineering to design a replacement bridge on Ridgemont Road over the County House Branch.

Discussion

This agreement would authorize Anderson Engineering to design a replacement bridge for the current bridge located on Ridgemont Road over the County House Branch. The current bridge was built in 1960. The Missouri Department of Transportation (MoDOT) performs regular inspections of all City own bridges, and has given this bridge a superstructure rating of 3, due to some of the steel beams and girders being rusted through and exhibiting section loss. This has caused the weight limit for the bridge to be reduced 5 tons. The current rating does not allow for school buses, fire trucks, trash or recycling trucks, snow plows or any other vehicles over 5 tons to cross the bridge.

In 2014, City Council approved an allocation of funds for temporary repairs to be made to the Ridgemont Road bridge to prevent future deterioration to the bridge. The repairs were bid, but the lowest bidder's price was almost double the engineering estimate due to the challenges in making the repairs under an existing bridge. Since the repairs were only a temporary solution to the problem, staff decided the best option was to defer these repairs because of the cost until the bridge could be replaced.

Due to the age of the structure, the condition of the superstructure, the size of the bridge, and the previous attempt to repair the existing structure, repairs to the structure are not recommended by staff for this bridge. This agreement would allow Anderson Engineering to design a new bridge. The cost of the new bridge will not be known until the design is complete and all facets of potential stormwater and roadway conditions are examined. This agreement is for authorization of the professional engineering design services only, total cost of the design services is \$98,500.

Additional information will be provided regarding future costs and potential funding options at a later date. There is some grant funding that may be available for the bridge replacement and staff intends to seek those opportunities where possible.



Fiscal Impact

Short-Term Impact: The agreement with Anderson Engineering is for a not to exceed amount of \$98,500 and will be funded by quarter-cent Capital Improvement Program sales tax.

Long-Term Impact: Long term maintenance cost would be significantly less while providing a higher level of service.

Vision & Strategic Plan Impact

Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Public Safety

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Environmental Management,

Legislative History

Date	Action
1/21/2014	Appropriation for the Ridgemont Road Bridge Mitigation Project
4/21/2014	Ridgemont Road Bridge Mitigation Project

Suggested Council Action

Authorize the City Manager to approve the engineering agreement with Anderson Engineering to design a replacement bridge for the existing bridge on Ridgemont Road over the County House Branch.