



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: November 21, 2022

Re: Authorize a cost share agreement with the Missouri Highways and Transportation Commission for the replacement of the Ridgemont Bridge.

## Executive Summary

Authorize the City Manager to execute a cost share agreement with the Missouri Highways and Transportation Commission (MHTC) for replacing the Ridgemont Bridge. The estimated construction cost for the project is \$600,000 with the MoDOT match of 41.67% and the City match of 58.33%.

## Discussion

On June 18, 2022, Council adopted Resolution 102-22 authorizing the City Manager to apply to the Missouri Department of Transportation (MoDOT) for state funding from the Regional Bridge Program for removal and construction of a replacement bridge on Ridgemont Road over the County House Branch. The Missouri Regional Bridge Program provides funding for bridge replacement for structures that are structurally deficient. The program is administered through MoDOT. On October 28th, Staff received notification for the approved funding.

The proposed construction will replace the existing bridge located on Ridgemont Road over the County House Branch. The current bridge was built in 1960 and has exceeded the design life of 50 years for the structure by more than a decade. 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 to 3 tons. The current rating does not allow for school buses, fire trucks, trash or recycling trucks, snow plows, or any other vehicles over 3 tons to cross the bridge.

The design for the replacement bridge includes two 12-foot driving lanes and an 8.5-foot raised bike lane/pedestrian path along the south side of the bridge. The design also includes additional substructure on the north side of the bridge for future expansion of a bike lane along that side. It is staff's intention to stripe the bridge as two 10-foot driving lanes in coordination with the proposed traffic calming project along this same roadway.

The interested parties meeting was held on September 13, 2021 and three residents signed in as attending the meeting. The public hearing was held at the January 18, 2022 Council meeting. Anderson Engineering, the design consultant for the project, has completed the final plans and specifications and staff has acquired the necessary easement needed to construct the project. Construction is planned to be completed during the summer of 2023.



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The project construction cost estimate is \$600,000. MoDOT will match 41.67% of the construction cost and the City will match 58.33% of the construction cost. Funding for the City's match will be by the ¼-cent Capital Improvement Program sales tax.

## Fiscal Impact

Short-Term Impact: Total cost for the City's match is anticipated to be \$349,980 and will be funded using the quarter-cent Capital Improvement Program sales tax.

Long-Term Impact: The Bridge will be maintained by the City.

## Strategic & Comprehensive Plan Impact

### Strategic Plan Impacts:

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

### Comprehensive Plan Impacts:

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

## Legislative History

| Date       | Action   |
|------------|--|
| 07/18/2022 | R102-22 Authorizing application to the Missouri Department of Transportation for state funding from the Regional Bridge Program for removal and construction of a replacement bridge on Ridgemont Road over County House Branch. |
| 04/21/2022 | B98-22 Authorizing the acquisition of an easement for removal and construction of a replacement bridge on Ridgemont Road over the County House Branch.   |
| 04/21/2022 | B97-22 Authorizing removal and construction of a replacement bridge on Ridgemont Road over the County House Branch: calling for bids through the Purchasing Division.  |
| 02/21/2022 | R24-22 resolution accepting Neighborhood Traffic Management Program report and authorizing public improvement process for various streets including Ridgefield Road, Ridgemont and Highridge Drive.                              |
| 01/18/2022 | PH4-22. Proposed removal and construction of a replacement bridge on Ridgemont Road over the County House Branch.  |



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| 07/06/2020 | R82-20 Authorizing an agreement for professional services with Anderson Engineer for the design of a replacement bridge on Ridgemont Road over County House Branch. |
| 04/21/2014 | REP37-14 Ridgemont Road Bridge Mitigation Project   |

## Suggested Council Action

Authorize the City Manager to execute a cost share agreement the Missouri Highways and Transportation Commission for the replacement of the Ridgemont Bridge.