



Department Source: Parks and Recreation

To: City Council

From: City Manager & Staff

Council Meeting Date: October 18, 2021

Re: Perche Creek Trail Phase I: MKT Trail to Gillespie Bridge Road – Design/Build Approval

## Executive Summary

The Parks and Recreation Department is requesting City Council approval of a resolution authorizing the use of a design/build contract for the bridge needed for the phase I construction of the Perche Creek Trail from the MKT Trail to Gillespie Bridge Road. On September 21, 2020, City Council conducted a public hearing and approved the phase I construction of the trail project including authorizing an agreement with Crockett Engineering for the design work associated with the trail project. In October 2020, the City of Columbia was awarded a Recreational Trails Program (RTP) grant for the project and Council authorized the signing of the agreement on November 2, 2020. Park staff and Crockett Engineering have completed all necessary work related to the trail design, Perche Creek construction requirements and RTP grant requirements. Staff is ready to proceed with the bidding of the bridge for the trail project. The design/build process is common for bridges because most bridges are pre-fabricated with the design portion only being end walls. Staff is requesting Council approval to proceed with the use of a design/build contract process for the bridge construction associated with the project.

## Discussion

The construction of the Perche Creek Trail: MKT Trail to Gillespie Bridge Road project will include the construction of a 1.2 mile 10' wide concrete trail from the MKT Trail at the 3.0 mile marker to Gillespie Bridge Road. The trail construction project will include one bridge, approximately 200 feet in length, across the Perche Creek. The City Council approved the phase I project on Sept. 21, 2020, which included the completion of necessary engineering work by Crockett Engineering. Council also authorized the acceptance of a Recreational Trails Program (RTP) grant for the project on Nov. 2, 2020. Park staff and Crockett Engineering have completed necessary design work for the project including all requirements associated with the RTP grant. Park staff is ready to move to the next phase of the project including the bidding of the bridge design and construction through a design/build contract.

The Parks and Recreation Department is requesting City Council approval of a resolution authorizing the use of a design/build contract for the bridge needed for the phase I construction of the Perche Creek Trail from the MKT Trail to Gillespie Bridge Road.

The construction of the Perche Creek Trail phase I project will include the construction of one bridge, approximately 200 feet in length, across the Perche Creek. Crockett Engineering has completed all preliminary work associated with bridge construction including topographic cross-sections for floodway evaluation, floodway analysis of the proposed bridge location, FEMA approval of the crossing and a letter of map revision for the redefined floodway due



to the crossing. Crockett has also provided design criteria for the design/build scenario for the bridge including abutment elevations, span lengths and necessary geotechnical studies.

With all necessary information related to the bridge construction, staff is ready to proceed with bidding of the design/build Perche Creek Trail bridge project through the City's Purchasing Department after Council approval.

### Fiscal Impact

Short-Term Impact: The total cost of the improvement project is \$1,450,000 and is funded by the 2015 Park Sales Tax and a Recreational Trail Program (RTP) grant. The design/build bridge construction will be funded with project funds.

Long-Term Impact: None

### Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Reliable Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Livable & Sustainable Communities, Tertiary Impact: Not Applicable

### Legislative History

Date	Action
11/2/2020	B301-20: Authorizing a financial assistance agreement with the Missouri Department of Natural Resources for the Phase I construction of the Perche Creek Trail from the MKT Trail to Gillespie Bridge Road; amending the FY 2021 Annual Budget by appropriating funds.
9/21/2020	B247-20: Authorizing Phase I construction of the Perche Creek Trail, from the MKT Trail to Gillespie Bridge Road, to include construction of a 10-foot wide concrete trail, a bridge over the Perche Creek and a small trailhead on the south side of Gillespie Bridge Road; calling for bids through the Purchasing Division for a portion of the project; authorizing an agreement for professional engineering services with Crocket Engineering Consultants, LLC for design of the trail project.

### Suggested Council Action

Approve the resolution authorizing the use of a design/build contract for the Perche Creek Trail bridge construction project.