

Introduced by _____ Council Bill No. R 211-13

A RESOLUTION

declaring the necessity for construction of repairs to the Hinkson Creek Trail bridge in Capen Park; stating the nature of and the estimate of the cost of the improvement; providing for payment for the improvement; providing for compliance with the prevailing wage law; and setting a public hearing.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council deems the construction of repairs to the Hinkson Creek Trail bridge in Capen Park, specifically to include the replacement of the existing I-beam support structure and wood decking, necessary to the welfare and improvement of the City.

SECTION 2. The nature and scope of the improvement shall consist of furnishing all labor, materials, transportation, insurance and all other items, accessories and incidentals thereto necessary for the complete construction of the improvements.

SECTION 3. The estimated cost of this improvement is \$167,000.00.

SECTION 4. Payment for this improvement shall be made from park sales tax funds, Recreational Trails Program grant funds and such other funds as may be lawfully appropriated.

SECTION 5. Any work done in connection with the construction of the improvement specified above shall be in compliance with the provisions of the prevailing wage laws of the State of Missouri.

SECTION 6. A public hearing in respect to this improvement will be held in the Council Chamber of the City Hall Building, 701 E. Broadway, Columbia, Missouri, at 7:00 p.m. on November 4, 2013. The City Clerk shall cause notice of this hearing to be published in a newspaper published in the City.

ADOPTED this _____ day of _____, 2013.

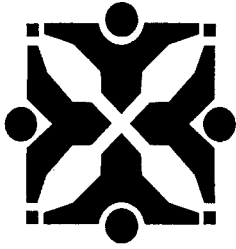
ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor



Source: Parks and Recreation

ms

Agenda Item No:

To: City Council

From: City Manager and Staff

MM

Council Meeting Date: Oct 21, 2013

Re: Hinkson Creek Trail Bridge Replacement & Recreational Trails Grant

EXECUTIVE SUMMARY:

The Parks & Recreation Department is requesting Council approval to proceed with renovations of the Hinkson Creek Trail Bridge located at Capen Park. The Department is also requesting Council approval to execute an agreement with the Department of Natural Resources to accept a \$100,000 Recreational Trail Program Grant and appropriate the grant funds to the project. The total project budget is \$167,000, which includes \$100,000 in Park Sales Tax funds. The project includes renovation of the existing bridge, specifically replacement of the I-beams that support the super-structure of the bridge and replacement of the decking on the entire structure. The project will be bid through the City's Purchasing Department and contract labor will be used to complete the proposed renovations. The bridge improvements are expected to begin in late fall 2013, with anticipated completion in spring 2014.

DISCUSSION:

The Hinkson Creek Trail bridge (attachment A) was constructed over 60 years ago and was formerly known as the Rock Quarry Road bridge. When Rock Quarry Road was rerouted, the bridge was no longer needed for motorized transportation. After many years of sitting idle, the bridge was incorporated into the route of the Hinkson Creek Trail in 2000. The bridge at Capen Park connects trail users to the Grindstone Nature Area to the east and the University of Missouri campus to the west. During a routine inspection of the bridge by park staff in 2011, it was discovered that the super-structure of the bridge had separated from multiple I-beams that support and hold the bridge in place. The probable cause of the failing bridge is severe rusting of the structure due to heavy salting during snow and ice events since the original construction.

After the initial park staff inspection, Archon Engineering was hired to assess the overall condition of the bridge and provide short and long-term solutions to make the bridge safe for trail users. The short-term plan was to secure the separation points of the bridge so that trail use may continue while park staff evaluated options to fund the necessary repairs to the bridge. Park staff utilized Archon's short-term solution by securing the separated I-beams to the super-structure with cable. During the evaluation process for the long-term repairs of the bridge, it was determined by the engineering firm that the bridge would not need to be replaced in its entirety as the super-structure of the bridge was in a suitable condition. Archon Engineering provided park staff with the necessary plans and recommended procedures for the long-term repairs to the bridge. The proposed repairs for the bridge include replacement of the five I-beams that support the super-structure below the decking as well as replacement of all existing wood decking. The contractor will also evaluate the integrity of the existing end walls during the renovation process and make necessary repairs as needed.

The process to make the necessary repairs to the bridge will require the contractor to lift the bridge from the existing end walls and support the super-structure of the bridge independently for an undetermined length of time. This process will be done by either the use of a crane to lift the bridge or by using hydraulic jacks to lift it off the end walls. In an effort to protect the surrounding trees and landscape, park staff will monitor the desired method of the contractor for lifting the bridge, determine the route for all machinery along the trail and designate access points under the bridge. Staff anticipates minimal impact to the area if the work can be done using hydraulic jacks to lift the structure off the end walls. If this option is not suitable due to safety issues associated with the weight of the structure, park staff will work with the contractor to develop a plan to remove the bridge using a crane. Staff will make sure that this process will have the least amount of impact to surrounding trees in the area. The final process selection will occur when the Parks and Recreation Department receives the bids and selects a contractor.

The bridge will have to be closed during construction so staff is wanting this work to occur during the winter months when trail use is at its lowest. Park staff has identified an alternate route for trail users so that they can continue to use the Hinkson Creek Trail during construction and will work with the Public Works Department to identify the route and create the detour.

In the City's FY-13 capital improvement budget, \$67,000 in park sales tax funds was allocated to fund the bridge improvements. After initial cost estimates, staff applied and has been awarded a Recreational Trail Program (RTP) grant from the Missouri Department of Natural Resources. The \$100,000 grant will be added to the project budget and allow the Department to complete the necessary bridge improvements within the estimated time frame for repairs. All work and materials will be bid through the City's Purchasing Department and will be completed using a combination of contract and force account labor. Weather permitting, the project is scheduled to begin this winter with anticipated completion in spring 2014.

FISCAL IMPACT:

The total project budget is \$167,000 and is funded by the 2010 Park Sales tax ballot (\$67,000) and a Recreational Trail Program grant (\$100,000) sponsored by the Missouri Department of Natural Resources. Park staff anticipates minimal fiscal impact after the repairs have been completed.

VISION IMPACT:

<http://www.gocolumbiamo.com/Council/Meetings/visionimpact.php>

12.1 Goal: A variety of attractive, well-maintained parks throughout Columbia-including neighborhood parks, regional parks, nature parks, and urban parks-will ensure all residents have access to a full range of outdoor and indoor recreational opportunities.

12.4 Goal: An extensive, safe network of trails will accommodate a variety of users ranging from recreational to non-motorized travelers. This network may include roadway and public transportation infrastructure to connect parks, neighborhoods, schools and businesses.

Implementation task #40: Fund and complete capital improvement program projects (parks).

SUGGESTED COUNCIL ACTIONS:

Approve the legislation setting a public hearing for the proposed project. Following the public hearing, approve the ordinance authorizing the project to proceed, executing the agreement with the Department of Natural Resources and appropriating the funds for the project.

FISCAL and VISION NOTES:					
City Fiscal Impact Enter all that apply		Program Impact		Mandates	
City's current net FY cost	\$200,000.00	New Program/ Agency?	No	Federal or State mandated?	No
Amount of funds already appropriated	\$67,000.00	Duplicates/Epands an existing program?	No	Vision Implementation Impact	
Amount of budget amendment needed	\$100,000.00	Fiscal Impact on any local political subdivision?	No	Enter all that apply: Refer to Web site	
Estimated 2 year net costs:		Resources Required		Vision Impact?	Yes
One Time	\$167,000.00	Requires add'l FTE Personnel?	No	Primary Vision, Strategy and/or Goal Item #	12.1
Operating/ Ongoing	\$0.00	Requires add'l facilities?	No	Secondary Vision, Strategy and/or Goal Item #	
		Requires add'l capital equipment?	No	Fiscal year implementation Task #	40