

City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: R95 - 14

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: May 19, 2014

Re: Hominy Creek Trail Phase II - Amendment No. 5 with HDR Engineering, Inc.

Documents Included With This Agenda Item

Council memo, Resolution/Ordinance, Amendment No. 5 to the Professional Services Agreement

Supporting documentation includes: Maps

Executive Summary

Authorizing the City Manager to execute Amendment No. 5 to the professional services agreement with HDR Engineering, Inc. (HDR) for redesign of portions of the Hominy Creek Trail Phase II project, to comply with recent changes to MoDOT design requirements. The amendment is necessary in order to complete final design plans and extend the date that the design projects will be approved by MoDOT for construction bidding.

Discussion

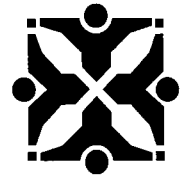
The Hominy Creek Trail Phase II project, which has been in design since 2008, will extend the Hominy Creek Trail from Woodridge Drive, in a northeasterly direction, to the Links development (see attached location map). The plans were completed in 2011 but the project was put on hold while MoDOT extended a box culvert under I-70, and through the area of the trail path. Portions of the trail must now be redesigned in order to comply with recent and significant changes in MoDOT design requirements for trail slopes. Additional design and surveying work is required by HDR, as follows:

- * Redesign of the trail connection with Glenstone Rd/Hillsdale Rd north of the trail, and with the Richland Heights mobile home park south of the trail, to reduce the trail slopes. The original project design in these areas was based on topographic information from the City's GIS system. A more accurate and detailed topographic survey is necessary in order to ensure compliance with the new MoDOT requirements.
- * Redesign of the trail at the I-70 Drive SE bridge, south of I-70, to reduce the trail slope.
- * Redesign of the trail from north of I-70, to The Links access road, to reduce the trail slope.

Previous amendments to this contract were executed in 2010, 2012 and 2013. The first contract amendment involved separating the project from the Hominy Trail Phase I project, and realignment of the trail around the Canine Training Facility which was superseded by the subsequent realignment mentioned above, when the City acquired the former Frech Leasing parcel. The second contract amendment was a no-cost amendment which extended the PS&E date as required by MoDOT. The

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third and fourth contract amendments involved City initiated design changes and necessary topographic survey and extending the PS&E date.

Fiscal Impact

Short-Term Impact: Amendment No. 5 is for a not to exceed amount of \$52,690, bringing the total contract amount with HDR to \$199,895.

Long-Term Impact: The total estimated cost of the Hominy Creek Trail Phase II project is \$710,000 and funded from the Non-Motorized (GetAbout) grant.

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Transportation

Strategic Plan Impact: Infrastructure

Comprehensive Plan Impact: Infrastructure, Mobility, Connectivity, and Accessibility

Suggested Council Action

Authorize the City Manager to execute Amendment No. 5 to the professional services agreement with HDR Engineering, Inc. (HDR) for redesign of portions of the Hominy Creek Trail Phase II project.

Legislative History

06/17/13 - Contract Amendments No. 3 & 4 (R114-13)
12/03/12 - Ordinance to Acquire (Ord. 021526)
11/19/12 - Contract Amendment No. 2 (R212-12)
11/21/11 - Authorization for sale of real estate (Ord. 21151)
01/18/11 - Ordinance to Acquire (Ord. 020854)
01/18/11 - Ordinance to Call for Bids (Ord. 020853)
10/18/10 - Ordinance to Acquire (Ord. 020781)
09/07/10 - Public Hearing (R145-10)
07/22/10 - Public Hearing (R145-10)
05/03/10 - Contract Amendment No. 1 (R86-10)
05/07/09 - Interested Parties meeting
12/01/08 - Authorizing a Contract with HDR (R275-08)



Department Approved



City Manager Approved

Introduced by _____ Council Bill No. R 95-14

A RESOLUTION

authorizing Amendment No. 5 to the Engineering Services Contract with HDR Engineering, Inc. relating to the design of Hominy Trail Phase II (East Section) from Woodridge Drive to I-70.

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

SECTION 1. The City Manager is hereby authorized to execute Amendment No. 5 to the Engineering Services Contract with HDR Engineering, Inc. relating to the design of Hominy Trail Phase II (East Section) from Woodridge Drive to I-70. The form and content of the agreement shall be substantially as set forth in "Exhibit A" attached hereto and made a part hereof.

ADOPTED this _____ day of _____, 2014.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor

AMENDMENT NO. 5
to
ENGINEERING SERVICES CONTRACT
Between
THE CITY OF COLUMBIA, MISSOURI
And
HDR ENGINEERING, INC.

On this _____ day of _____, 2014, the City of Columbia, Missouri, hereinafter called the CITY, and HDR Engineering, Inc., hereinafter called the Consultant, amend their agreement of December 1, 2008 for the survey and design of the Hominy Trail Phase II Project. The purpose of this Amended Agreement is to complete final design plans and extend the approved Plans, Specifications and Estimates (PS&E) date to be submitted and approved by MoDOT.

The amended services are outlined further in the Attachment A Scope of Services. These amended services shall be in an amount not to exceed \$52,690 without further authorization. Attachment B outlines the cost breakdown for this Amended Agreement.

This amendment will also make the final PS&E approval by MoDOT on or before June 30, 2015.

IN WITNESS WHEREOF, the parties have caused this amendment to be executed by their duly authorized agents on the day and year first above written.

CITY OF COLUMBIA, MISSOURI

By: _____
Mike Matthes, City Manager

ATTEST:

Sheela Amin, City Clerk

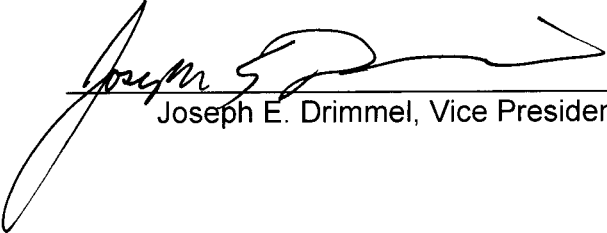
APPROVED AS TO FORM:

Nancy Thompson, City Counselor

I hereby certify that the above expenditure is within the purpose of the appropriation to which it is charged, Account No. _____, and that there is an unencumbered balance to the credit of such appropriation sufficient to pay therefor.

John Blattel, Director of Finance

HDR Engineering, Inc.



Joseph E. Drimmel, Vice President

ATTACHMENT A

Hominy East Trail Redesign: Scope of Services

5-6-2014

These services will entail addressing all MoDOT plan review comments, including compliance with the 2012 AASHTO Guide for the Development of Bicycle Facilities, and will require redesign of portions of the Hominy East Trail from Lansing Avenue to a connection point with the Links Service Road. These revisions include vertical profile modifications to limit the maximum grade of the proposed trail to 5%. It is anticipated that these vertical profile modifications will require horizontal switchbacks and retaining walls along the Hillsdale East and West connections. The proposed layout will limit the amount of handrail that will be required along the switchbacks in order to prevent long term maintenance issues.

The original survey provided by the City of Columbia was from GIS mapping. This survey data will not provide the level of accuracy required to confirm the existing topography near the Hillsdale connections, so additional field topography is included within this scope of services. Surveying services also included parcel descriptions at up to three locations.

The design for global stability of the proposed retaining walls is not included in this scope and should be provided by the wall manufacturer based on their particular wall system. There are no geotechnical services included in the scope and no manhours have been allocated for any additional permitting that may be required.

This scope of services assumes a project delivery schedule that will allow for a final PS&E approval by MoDOT on or before June 30, 2015.



Hominy Branch Trail Phase II: East Section (Redesign)

5/6/2014

Attachment B

Hours								
	Quality Control	Project Principal	Project Manager	Senior Engineer	Junior Engineer	CADD/ Tech	Admin	Total
1 Preliminary Plans	4	-	4	25	72	59	4	168
2 Right of Way Plans	4	-	4	6	18	17	2	51
3 Final Plans	4	1	10	45	86	70	4	220
4 Environmental	2	-	2	2	2	-	-	8
Total Man-hours	14	1	20	78	178	146	10	447

Labor Costs			
	Hours	Wage Rate	Dollars
Quality Control	14	65.00	910
Project Principal	1	70.00	70
Project Manager	20	60.00	1,200
Senior Engineer	78	50.00	3,900
Junior Engineer	178	35.00	6,230
CADD/ Tech	146	30.00	4,380
Admin	10	25.00	250
Total	447		16,940

Estimated Costs plus Fixed Fee	
Labor Total	16,940
Overhead (149.32%)	25,295
Labor and Overhead	42,235
Direct Design Expenses (Direct Costs)	2,465
Fixed Fee (13%)	5,491
Total	50,190

Estimated Direct Costs	
Computers	1,788
Reproduction services	677
Telephone/Fax	-
Postage/Fed Exp	-
Public Hearing Displays (Misc.)	-
Travel	-
Total Direct Costs	2,465

Subconsultant Costs	
Allstate Consultants	2,500
	-
	-
	-
	-
Total Subconsultants	2,500

Fee Estimate	
Labor Fee Plus Expenses	50,190
Subconsultants	2,500
Grand Total	52,690



SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

Maps

