

City of Fayetteville Staff Review Form

2017-0653

Legistar File ID

12/5/2017

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Tim Nyander

11/8/2017

Utilities Director /
Utilities Department

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Staff recommends approval of a testing and surveying services contract with McClelland Consulting Engineers (MCE) in the amount of \$15,200.00 for specified Owner furnished materials testing and surveys required for the construction of Bid 17-56 Construction, Lake Sequoyah Basin 3 Access Road, and approval of a budget adjustment.

Budget Impact:

5400.720.5600-5314.00	Water & Sewer																																						
Account Number	Fund																																						
17004.1	Lake Sequoyah Sediment Removal/Dredging																																						
Project Number	Project Title																																						
<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Budgeted Item?</td> <td style="width: 15%;"><u>Yes</u></td> <td style="width: 30%;"></td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td></td> <td></td> <td>Current Budget</td> <td>\$</td> <td>503,242.00</td> </tr> <tr> <td></td> <td></td> <td>Funds Obligated</td> <td>\$</td> <td>499,620.70</td> </tr> <tr> <td></td> <td></td> <td>Current Balance</td> <td>\$</td> <td>3,621.30</td> </tr> <tr> <td>Does item have a cost?</td> <td><u>Yes</u></td> <td>Item Cost</td> <td>\$</td> <td>15,200.00</td> </tr> <tr> <td>Budget Adjustment Attached?</td> <td><u>Yes</u></td> <td>Budget Adjustment</td> <td>\$</td> <td>11,579.00</td> </tr> <tr> <td></td> <td></td> <td>Remaining Budget</td> <td>\$</td> <td>0.30</td> </tr> </table>	Budgeted Item?	<u>Yes</u>						Current Budget	\$	503,242.00			Funds Obligated	\$	499,620.70			Current Balance	\$	3,621.30	Does item have a cost?	<u>Yes</u>	Item Cost	\$	15,200.00	Budget Adjustment Attached?	<u>Yes</u>	Budget Adjustment	\$	11,579.00			Remaining Budget	\$	0.30				
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V20140710

Previous Ordinance or Resolution # _____

Original Contract Number: _____

Approval Date: _____

Comments:



MEETING OF DECEMBER 5, 2017

TO: Mayor and City Council

THRU: Don Marr, Chief of Staff
Water & Sewer Committee

FROM: Tim Nyander, Utilities Director

DATE: November 7, 2017

SUBJECT: **Testing and surveying services contract with McClelland Consulting Engineers (MCE) in the amount of \$15,200.00 and approval of a budget adjustment**

RECOMMENDATION:

Staff recommends approval of a testing and surveying services contract with McClelland Consulting Engineers (MCE) in the amount of \$15,200.00 for specified Owner furnished materials testing and surveys required for the construction of Bid 17-56 Construction, Lake Sequoyah Basin 3 Access Road, and approval of a budget adjustment.

BACKGROUND:

The Lake Sequoyah Basin 3 Access Road will provide the access road connecting State Highway 16E near Van Hoose Lane across two previously installed access bridges on City Property to the site of the proposed year 2018 dredging berms and geopools.

DISCUSSION:

This request is for the specified Owner furnished materials testing and surveys required for the construction of the Lake Sequoyah dredging project. The construction contract for Bid 17-56 Construction, Lake Sequoyah Basin 3 Access Road, is a separate Agenda request also scheduled for the December 5, 2017 City Council meeting.

BUDGET/STAFF IMPACT:

Funds will be moved from Wastewater Treatment, Water Quality Improvements to the Lake Sequoyah Sediment Removal/Dredging project.

Attachments:

Agreement

October 23, 2017

City of Fayetteville
Engineering Division
125 W. Mountain Street
Fayetteville, Arkansas 72701

ATTN: Mr. Jim Beavers, P.E.
City of Fayetteville Utilities Engineer

RE: Proposal for Services During Construction
Construction Materials Testing and Construction Layout/Survey
Lake Sequoyah Basin 3 Access Road
Fayetteville, Arkansas

Dear Mr. Beavers,

We are pleased to present our proposal combined services during construction to include construction materials and construction layout/survey relevant to the planned Lake Sequoyah Basin 3 Access Road project in Fayetteville, Arkansas. Description of construction materials testing services are provided on pages 1 and 2 of this document, while construction layout/survey services are detailed on pages 3 and 4.

The following information is presented for your consideration and is aimed at assisting in the formation of your project budget with regards to construction materials testing.

- **Proof-Roll/Subgrade Observation:** Subtotal = \$1,500.00
- **Soil and Base Density Testing:** Subtotal = \$4,800.00
- **Estimated Engineering Consulting Hours:** Subtotal = \$1,500.00

Based on the assumptions detailed in the forgoing proposal, we can provide construction materials testing on this project for a Not-to-Exceed Without Approval fee of **\$7,800.00**.

The information on the following pages provides further detail regarding the anticipated testing scope on the project which includes number of trips for each service, time spent onsite for each service, and other assumptions which were integral in arriving at the estimated fee amount.

Based on the provided current construction plans and our general understanding of the project, the project scope is to consist of new construction of a gravel access road with an approximate length of 1,500 linear feet. The road subgrade section is understood to consist of B-Stone, select fill, and Class 7 base course material.

Based on our understanding of the project and the provided information, testing is anticipated to consist of proof-roll observations/subgrade recommendations and soil and base density testing.

To better your understanding of our associated fees, we presented an estimated per-trip price for the services we anticipate providing on this project. The provided per-trip prices assume the following factors:

- ❖ A geotechnical engineer or engineering technician spending one (1) hour onsite for proof-roll observation and subgrade recommendations for the relevant road length
- ❖ A certified technician spending one (1) hour onsite for each soil and/or base density testing trip.
 - Three (3) density tests being conducted each trip
- ❖ A Geotechnical Engineer / Laboratory Supervisor spending ten (10) hours reviewing plans and submittals and providing consulting services during the project

We have also assumed that the project duration will be approximately three (3) months for the access road construction. From the assumptions and project details referenced above, we estimated the following per-trip prices and subtotals for each service anticipated being required:

Proof-Roll Observation:

\$250.00 per trip

- ❖ Access Road – 6 trips

▪ **Subtotal: \$1,500.00**

Soil and Base Density Testing:

\$200.00 per trip

- ❖ Access Road Select Fill Material – 12 trips
- ❖ Access Road Base Course Material – 12 trips

▪ **Subtotal: \$4,800.00**

Estimated Engineering Consulting Hours:

- ❖ Geotechnical Engineer / CMT Supervisor – 15 hours

▪ **Subtotal: \$1,500.00**

Our estimated number of trips for each testing service is based on our review of the provided project documents and from experience on projects in the area with similar scope and size. Our fees are directly related to the amount of trips made for each service and time spent onsite. If the project scope varies after submittal of this document and prior to construction, please allow for the review/revision of this document.

As requested, we are also presenting herewith a proposed engineering services contract between McClelland Consulting Engineers, Inc., hereinafter referred to as the ENGINEER, and the City of Fayetteville, hereinafter referred to as the OWNER, which is associated with the provision of professional services as defined in Article 1, and for the consideration defined in Article 2 hereinafter.

The OWNER would like for the ENGINEER to conduct construction layout and survey services for the proposed Lake Sequoyah Basin 3 Access Road in Fayetteville, Arkansas.

The ENGINEER will complete the tasks as outlined in Article 1.

ARTICLE 1

Task 1 -Construction layout and surveying services.

ENGINEER will:

- Establish survey control for the project.
- Layout graded centerline points for the proposed road centerline.
- Conduct as built survey of constructed road.
- Conduct survey services for quantity verification.

ARTICLE 2

Task 1 – Construction layout and surveying services.

- Payment for the above referenced construction layout and surveying services on this project will a Not-to-Exceed Without Approval fee of **\$7,400.00**. Payments shall be made in monthly installments as construction project progresses.

ARTICLE 3

It is understood that time is of essence and that the ENGINEER shall endeavor to plan and provide his services in a timely manner.

ARTICLE 4

It is further mutually agreed by the parties hereto:

- That the OWNER shall make available to the ENGINEER all technical data in the OWNER's possession including maps and other information required by the ENGINEER and relating to his work.
- That, the ENGINEER shall maintain a level of competency presently maintained by other practicing professional surveyors in the same type of work for the professional and technical soundness and accuracy of all drawings, and other work and materials furnished under this Agreement.

- All documents including drawings, specifications, estimates, field notes and other data pertaining to the work or to the project shall become the property of the OWNER.
- That the OWNER may, from time to time, request changes in the scope of the services of the ENGINEER to be performed hereunder. Such changes, including any increase or decrease in the amount of the ENGINEER'S compensation, which are mutually agreed upon by and between the OWNER and the ENGINEER, shall be incorporated in written amendments to this Agreement.
- Payment for professional services provided by the ENGINEER are due within 30 days of invoice receipt.
- All documents including drawings, specifications, estimates, field notes, and other data pertaining to the work or to the Project shall become the property of the OWNER. The OWNER shall not be restricted in the subsequent use of the design, design documents, or ideas incorporated in the work. However, the ENGINEER shall bear no responsibility for such reuse of the design unless specifically agreed to in writing.

We appreciate the opportunity to submit this proposal for construction materials testing relevant to the Lake Sequoyah Basin 3 Access Road Project in Fayetteville, Arkansas. Please contact us with any questions or concerns that you might have regarding the information contained in this proposal.

By signing below, an executed agreement will be enacted to engage construction materials testing and construction layout/survey services on the project for a total Not-to-Exceed Without Approval Amount of **\$15,200.00**.

IN WITNESS WHEREOF, CITY OF FAYETTEVILLE, ARKANSAS by and through its Mayor, and ENGINEER, by its authorized officer have made and executed this Agreement as of the day and year first above written.

CITY OF FAYETTEVILLE, ARKANSAS

ATTEST:

By: _____

By: _____

Mayor, Lioneld Jordan

City Clerk

McClelland Consulting Engineers, Inc.

By:  _____

Title: Geotechnical Engineer / Senior Associate