

City of Fayetteville Staff Review Form

2019-0176

Legistar File ID

4/2/2019

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

Tim Nyander

3/14/2019

WATER SEWER (720)

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Staff recommends the approval of a Supplemental Agreement No. 2 to the contract with McClelland Consulting Engineers, Inc in the amount of \$18,082.00 to add final engineering design and bid services for the replacement of an existing 24-inch water main adjacent to Morningside Drive associated with utility relocations necessary for Arkansas Department of Transportation Job 040579.

Budget Impact:

5400.720.5600-5314.00

Water and Sewer

Account Number

Fund

11011.1

Water/Sewer Relocations - Bond Projects

Project Number

Project Title

Budgeted Item? Yes

Current Budget \$ 1,134,172.00

Funds Obligated \$ 144,832.52

Current Balance **\$ 989,339.48**

Does item have a cost? Yes

Item Cost \$ 18,082.00

Budget Adjustment Attached? No

Budget Adjustment \$ -

Remaining Budget **\$ 971,257.48**

V20180321

Purchase Order Number: _____

Previous Ordinance or Resolution # _____

Change Order Number: _____

Approval Date: _____

Original Contract Number: _____

Comments:



MEETING OF APRIL 2, 2019

TO: Mayor and City Council

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

FROM: Tim Nyander, Utilities Director

DATE: March 14, 2019

SUBJECT: McClelland Consulting Engineers – Supplemental Agreement No. 2 for Engineering Design of Morningside Drive Waterline

RECOMMENDATION:

Staff recommends the approval of a Supplemental Agreement No. 2 to the contract with McClelland Consulting Engineers, Inc in the amount of \$18,082.00 to add final engineering design and bid services for the replacement of an existing 24-inch water main adjacent to Morningside Drive associated with utility relocations necessary for Arkansas Department of Transportation Job 040579.

BACKGROUND:

Resolution 205-17 permitted McClelland Consulting Engineers (MCE) to proceed with design work for utility relocations along Highway-16 (15th Street) between S. College Ave. and Huntsville Rd. Subsequently, resolution 45-18 increased MCE's scope to include design of a 24" waterline replacement along Morningside Dr. from 15th Street to Huntsville Rd. This 24" waterline is in need of replacement due to age, material, and frequency of leaks.

DISCUSSION:

The original intent was to bid this project at one time, both the Highway-16 relocations and the 24" waterline along Morningside. However, the Arkansas Department of Transportation (ArDOT) will not quickly be progressing with the Highway-16 widening project and city staff recommends bidding the 24" Waterline project as soon as possible to avoid further leaks or failure of this waterline. This proposed Supplemental Agreement No. 2 covers MCE's costs associated with separating this project into a stand-alone plan-set, specification, and bid package.

BUDGET/STAFF IMPACT:

Funds are available in Water/Sewer Relocations – Bond Projects.

Attachments:

Supplemental Agreement No. 2
Resolution 45-18
Resolution 205-17

**Supplemental Agreement No. 2
Highway 16 Utility Relocations**

Date: _____

WHEREAS, the CITY OF FAYETTEVILLE and McClelland Consulting Engineers, Inc. (ENGINEER) entered into an Agreement for Professional Engineering Services (AGREEMENT) on October 3, 2017; and,

WHEREAS, the CITY OF FAYETTEVILLE has requested that ENGINEER perform additional services outside of the scope of the AGREEMENT.

NOW THEREFORE, the following modifications will be made to the AGREEMENT to include the additional services requested:


MODIFICATIONS:

1. Section 2.1.1 – the additional scope of services are included in the attached Appendix “A-2”.
2. Section 5.1 – the maximum not-to-exceed amount is increased from \$173,689.82 to **\$191,771.82**. Modifications to compensation are included in the attached Appendix “B-4”.

IN WITNESS WHEREOF, the parties execute this Supplemental Agreement No. 2, to be effective on the date set out above.

McClelland Consulting Engineers, Inc.

City of Fayetteville, Arkansas

BY: 

Daniel Barnes, PE
President, Fayetteville Office

BY: _____
Mayor Lioneld Jordan

APPENDIX A-2 – SCOPE OF ADDITIONAL SERVICES

SUPPLEMENTAL AGREEMENT NO. 2 – 24” WATER MAIN FINAL DESIGN AND BID SERVICES

1.1 General

The scope of additional services includes preparation of Final Design Plans, Project Specifications, Bid Documents and bidding services for the 24” water main at Morningside Drive to be bid as a separate and distinct project from the Highway 16 utility relocations. This project is anticipated to be complete or under construction when the Highway 16 relocation work is performed.

1.2 Design Surveys, Preliminary Design, Final Design and Bidding Services

1.2.1 Design Surveys

MCE will complete additional topographic surveys in the following areas due to changes that occurred during the course of the design of the 24” water main:

- Connection of a new road (Swift Drive) to Morningside Drive and associated drainage infrastructure associated with the Park Meadows development.
- Installation of new power poles in the vicinity of the 24” water main associated with the Park Meadows development.
- Additional survey at Huntsville/Morningside intersection to account for future widening at the intersection as well as tie-ins to existing water mains.

1.2.2 Preliminary Design

Preliminary design services were included in Supplemental Agreement No. 1.

1.2.3 Final Design

Based on review comments provided by the City on the 90% plans, the Final Design and Project Specifications for the 24” water main relocation shall be completed and prepared for release as a distinct, stand-alone package. Design deliverables shall be the same as included in the Original Agreement dated October 3, 2017. Additional coordination with the Park Meadows development will be required to account for future widening of Morningside Drive.

1.2.4 Bidding Phase

Design and bid documents will be prepared and bid out as one distinct, complete project. This shall include attendance at the pre-bid meeting and bid opening, tabulation of bids, and recommendation of award. Response to bidder questions and issuance of addenda was included in Supplemental Agreement No. 1.

1.3 Property Surveys, Property Mapping, Easement Mapping and Easement Preparation Services

In Supplemental Agreement No. 1, it was assumed that the permanent easement adjacent to the Park Meadows development would be dedicated by plat. Due to the timing of this project, a permanent easement will need to be acquired from the developer. In addition, permanent easements will be required north of Huntsville Road and south of Highway 16 for the 24” water

main tie-in points that were not included in the original agreement. Therefore, a total of three new permanent easements are included, which shall include property surveys, mapping, and preparation of easement documents and exhibits.

1.4 Storm Water Pollution Prevention Plan Services

This work was included in Supplemental Agreement No. 1.

1.5 Geotechnical Services

This work was included in Supplemental Agreement No. 1.

1.6 Construction Phase Services

The scope of Construction Phase Services will be added with a future amendment to this agreement.

1.7 Extra Work

The following items are not included under this agreement but will be considered as extra work:

1. Redesign for the City's convenience or due to changed conditions after prior approval or conflicting direction from the City or from ARDOT.
2. Submittals or deliverables in addition to those listed in Section 1.2.2.
3. Environmental Assessment.
4. Work related to environmentally or historically (culturally) significant items.

Extra Work will be as directed by the City of Fayetteville in writing for an additional fee as agreed upon by the City of Fayetteville and MCE.

1.8 Schedule

The same schedule as defined in the Original Agreement dated October 3, 2017 will be maintained. Updates or modification to this schedule will be coordinated between the Owner and Engineer and agreed upon in writing.

Appendix B-4 Fee Proposal - Supplemental Agreement No. 2

Appendix B-4
 Design Surveys, Final Design, Easements and Bidding Assistance
 In Conjunction with the 24" Water Main Relocation along
 Morningside Drive
 Fayetteville, Arkansas

Manhours

Labor Classification	Time/Hours	Labor Rate	Extended
Sr Project Manager V	8.00	\$60.00	\$480.00
Project Manager III	36.00	\$40.00	\$1,440.00
Project Designer III	40.00	\$30.00	\$1,200.00
Chief Draftsman	24.00	\$27.00	\$648.00
Survey Tech. II	28.00	\$22.00	\$616.00
Reg. Land Surveyor IV	16.00	\$40.00	\$640.00
Field Survey 1-Man	24.00	\$27.00	\$648.00
Office Admin	12.00	\$20.00	\$240.00
Direct Labor Subtotal			\$5,912.00
Overhead		164.03%	\$9,697.00
Subtotal			\$15,609.00
Fixed Fee			\$1,873.00
Subtotal Labor Costs			\$17,482.00

EXPENSES

Estimated Reimbursable Expenses	Amount
Mileage	\$50.00
Printing	\$50.00
ADH Review Fee*	\$500.00
Total Estimated Reimbursable Expenses	\$600.00

Total Costs - Design Surveys, Final Design, Easements, and Bidding Phase \$18,082.00

* One (1) ADH Review Fee of \$500 included in Original Agreement.

FEE ESTIMATE

Supplemental Agreement No. 2 - 24" Water Main Final Design and Bidding

Manhour Fee Estimate
Date: 02-27-2019



Task Description	Sr Project Manager V	Project Manager III	Project Designer III	Chief Draftsman	Survey Tech. II	Reg. Land Surveyor IV	Field Survey 1- Man	Office Admin
Design Surveys								
Complete mapping of surface features							16.00	
Drafting					8.00			
Quality control						2.00		
Project Management						2.00		
Sub total Manhours / Fee	0.00	0.00	0.00	0.00	8.00	4.00	16.00	0.00
Final Design								
Adjust horizontal alignment		2.00	4.00	8.00				
Adjust vertical alignment		2.00	6.00	12.00				
Coordinate with Developer's Engineer on Potential Conflicts	1.00	4.00	4.00					
Prepare recommendation for sequence of construction		2.00	4.00					
Coordinate easement requirements		2.00	2.00					
Develop quantity and bid form		1.00	2.00					
Assemble Project Manual		1.00	4.00					8.00
Prepare estimate of probable construction cost		1.00	2.00					
Submit to ADH for review/approval		2.00	4.00					
Reply to ADH comments		1.00	2.00	2.00				
ArDOT coordination/permitting	1.00	4.00		2.00				
Utility coordination	1.00	2.00	2.00					
Meetings with Owner	2.00	2.00						
Project management	1.00	4.00						
Sub total Manhours / Fee	6.00	30.00	36.00	24.00	0.00	0.00	0.00	8.00
SWPPP Services								
Complete SWPPP								
Prepare NOI								
Sub total Manhours / Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bidding Phase								
Respond to Questions during bidding								
Prepare/Issue Addenda								
Pre-bid meeting		2.00	2.00					
Bid Opening		2.00	2.00					
Bid tabulation and recommendation	2.00	2.00						4.00
Sub total Manhours / Fee	2.00	6.00	4.00	0.00	0.00	0.00	0.00	4.00
Property Surveys, Mapping and Easements								
Assemble survey plats, subdivision plats, deeds, etc.					4.00	2.00		
Tie property pins / Field Crew							8.00	
Drafting / Data Processing					4.00			
Boundary Resolution						4.00		
Exhibit A Map Preparation (Estimate of 3)					8.00	4.00		
Prepare easement description (Estimate of 3)					4.00	2.00		
Sub total Manhours / Fee	0.00	0.00	0.00	0.00	20.00	12.00	8.00	0.00
Total Estimated Manhours / Professional Fees	8.00	36.00	40.00	24.00	28.00	16.00	24.00	12.00