

**AMENDMENT No. 2**

**TO AGREEMENT K-1213-126**

**ENGINEERING SERVICES**

**ROADWAY AND TRAFFIC SIGNAL IMPROVEMENTS  
LINDSEY STREET FROM 24<sup>TH</sup> AVENUE TO EAST OF BERRY ROAD**

**SCOPE OF SERVICES**

**ATTACHMENT**

The following general scope of services shall be made a part of the Agreement dated December 18, 2012 and shall supplement Attachment A of the Scope of Services of the original agreement.

**A. TASK 9 UTILITY RELOCATIONS**

**A.1 Engineering Services**

The SERVICES shall be performed by the ENGINEER under this Supplement to the original contract. All provisions of the original contract shall govern this Amendment and shall include the following additional services:

- Lindsey Street existing Sanitary Sewer relocation; Plans cover from 24<sup>th</sup> Ave. S.W. to Pickard as well as Lindsey Drive and Briggs Street. The work includes relocation of all City utility lines that are in conflict with the RCB and street widening design.
- An Existing 12-Inch Water Main – Between Lindsey and McGee and the intersection of Lindsey Street and Berry Road.
- Water and Sanitary Sewer Relocations; Relocations as required to build a new storm drain system in McGee Drive from Lindsey St. to Camden Way; Wylie Road – from Lindsey St. to Caddell Lane; Briggs and Lindsey Dr. from I-35 to Lindsey Street.
- Supplemental Geotechnical Study  
Additional Geotechnical Investigation to include borings with water monitoring devices (6 piezometers) to record water levels in the deep trench areas along the Drainage (RCB) System for 1 year.

**A.1.a - Existing Sanitary Sewer Line Relocations –Lindsey St.**

- Utility Relocation Plans for City sewer utilities will be prepared by the ENGINEER. This includes relocations along Lindsey Street from 24<sup>th</sup> Street

to East of Berry Road that are in conflicts with the storm sewer outfall alignment.

- Design also includes the adjustment of any manholes for the 21" Sanitary Sewer along the South side of Lindsey Street. We understand that if the City determines the 21" line needs rehabilitation, it will be completed by the City under a separate contract.
- Meetings are included in this task for coordination with other public or private utilities located along McGee and Wylie to resolve conflicts with construction of the Storm Drainage Diversion structures.

A.1.b - Existing 12" Water Main –Lindsey St.

- This task includes water plans for relocating the existing 12" water on the north side of Lindsey to a location behind the north curb line of the new street widening.

A.1.c - Water and Sewer Relocations: McGee, Wylie, Briggs and Lindsey Dr.

- Water and Sanitary Sewer Relocation plans will be developed as required to build a new storm drain system: McGee Drive – from Lindsey St. to Camden Way, Wylie Road – from Lindsey St. to Caddell Lane, Briggs and Lindsey Dr. from I-35 to Lindsey. Anticipated conflicts are as follows:
  - McGee Drive
    - 4 to 5 sanitary sewer line crossing conflicts
    - 12 domestic water line crossing conflicts
    - Sanitary sewer conflicts near Rosedale & Lennox will require the design of 2 conflict manholes to avoid the construction of approximately 350 LF of sanitary sewer collector.
    - Approximately 400 LF of new sanitary sewer collector line from just south of the intersection of McGee and Lancaster Circle to the south side of Lindsey Street due to RCB crossing impacts.
  - Wylie Road
    - Sanitary sewer line crossing conflicts which would include design of 3 conflict manholes to avoid 700 LF of parallel sewer line construction (Brooks to Lindale Ave.)
    - 10 domestic water line crossing conflicts
    - Approximately 600 LF of new sanitary sewer collector line from the intersection of Wylie and Lindale Circle to the south side of Lindsey Street will be designed due to RCB crossing impacts.
  - Briggs and Lindsey Drive
    - Water line crossing at Briggs and 24<sup>th</sup> along with Water and Sanitary sewer line crossings in Lindsey Dr.

#### A.1.d - Additional Geotechnical Investigation

- Geotechnical work will include borings for water monitoring devices (6 piezometers) to record water levels for 1 year in the deep (22' to 32' depths) trenching areas along the Drainage (RCB) System.

#### A.2 Bidding Phase Services

- After acceptance by OWNER of the Bidding Documents and the most recent opinion of probable Construction Cost as determined in the Final Design Phase, and upon written authorization by OWNER to proceed, ENGINEER shall:
  - Assist OWNER in advertising for and obtaining bids for the Work and, where applicable, maintain a record of prospective bidders to whom Bidding Documents have been issued, attend pre-Bid conferences, if any, and receive and process Contractor deposits or charges for the Bidding Documents.
  - Issue Addenda as appropriate to clarify, correct, or change the Bidding Documents.
  - Attend the Bid opening, prepare Bid tabulation sheets, and assist OWNER in evaluating Bids or proposals and in assembling and awarding contracts for the Work.

#### A.3 Construction Phase Services

Upon successful completion of the Bidding and Negotiating Phase, and upon written authorization from OWNER, ENGINEER shall:

- Pre-Construction Conference. Participate in a Pre-Construction Conference prior to commencement of Work at the Site.
- Change Orders and Work Change Directives. Recommend Change Orders and Work Change Directives to OWNER, as appropriate, and prepare Change Orders and Work Change Directives as required.
- Shop Drawings and Samples. Review and approve or take other appropriate action in respect to Shop Drawings and Samples and other data which Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept of the completed Project as a functioning whole as indicated in the Contract Documents.

#### A.4 Meetings

- ENGINEER will attend coordination meetings during the design process to assure communication of design issues with the City of Norman

A.5 Owner (City of Norman) Provided Items

- City of Norman will provide agreements with other utility providers as necessary to construct this project.
- City of Norman will provide consultant with meter and building water service sizes and the sewer lateral size for businesses and residences affected by these relocations as requested.
- Potholing if required will be provided by the City of Norman.

B. TASK 10 IQC Support – Roundabouts

B.1 Engineering Services

The SERVICES shall be performed by the ENGINEER under this Supplement to the original contract.

B.1.a Reviews and Imhoff Creek Br. Section Revisions. Coordination with City Staff and IQC team and design changes to reduce the bridge width to accommodate a 2-12' lanes, 5' bike lanes on both sides of the road, stamped brick buffer behind the curb and 5' sidewalks for a total width of 50' to the face of the decorative safety barrier for the Lindsey Street Bridge design at Imhoff Creek. Design will include revising grading and drainage structures to reflect the narrower footprint of the bridge. This will also require revisions to the private as well as city utilities in the corridor from Berry Road to Pickard.

B.1.b IQC Review Services. Services include the analysis and 3<sup>rd</sup> party support work for analysis of roundabout along Lindsey that were previously provided. This work included preparation of traffic analysis of Roundabout alternatives at Berry Road, follow up reviews, field studies to determine existing Gap Acceptance characteristics and final recommendations. Meetings and presentation support to the City for the review conclusions of the various elements of roundabout impacts.

## LUMP SUM COMPENSATION

### SUMMARY of TASKS:

*TASK 9	A.1 Utility Relocation	
	A.1.a Lindsey Existing 12" Sanitary	\$ 48,000
	A.1.b Lindsey 12" Water	\$ 59,000
	<u>A.1.c McGee, Wylie, Briggs, Lindsey Dr.</u>	<u>\$ 108,800</u>
	Subtotal	\$ 215,800

<u>A.1.d Geotechnical Supplement</u>	<u>\$ 37,200</u>
Subtotal Task 9	\$ 253,000

### TASK 10 B.1 Additional Engineering Services

B.1.a Imhoff Creek Br. Revision	no cost
<u>B.1.b IQC Support – Roundabout</u>	<u>\$ 48,250</u>
Subtotal Task 10	\$ 48,250

\*Includes Items A.2, A.3, A.4

<b>TOTAL AMENDMENT No. 2 Compensation:</b>	<b>\$ 301,250</b>
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The Services provided for in this Agreement are for the sole use and benefit of OWNER and CONSULTANT. Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than OWNER and CONSULTANT.

IN WITNESS WHEREOF, OWNER and SAIC have executed this Agreement.

DATED this \_\_\_th day of \_\_\_\_\_, 201\_\_.

The City of Norman  
(OWNER)

Signature \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Attest:

\_\_\_\_\_  
City Clerk

SAIC Energy, Environment & Infrastructure,  
LLC (CONSULTANT)

Signature Adam West

Name Adam West

Title Vice-President

Date 9/24/13

Attest:

Betsy M Pain  
Secretary



Approved as to form and legality this \_\_\_\_\_ day of \_\_\_\_\_ 201\_\_.

\_\_\_\_\_  
City Attorney