



## Legislation Details (With Text)

**File #:** K-1718-51    **Version:** 1    **Name:** Contract for Engineering Services with Garver Engineers for the design of new traffic signals and installation of fiber-optic interconnect cable

**Type:** Contract    **Status:** Passed

**File created:** 9/1/2017    **In control:** City Council

**On agenda:** 9/12/2017    **Final action:** 9/12/2017

**Title:** CONTRACT K-1718-51: A CONTRACT BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA, AND GARVER, L.L.C., IN THE AMOUNT OF \$49,250 TO PROVIDE ENGINEERING SERVICES FOR THE DESIGN OF NEW TRAFFIC SIGNALS AT THE INTERSECTIONS OF 36TH AVENUE N.W. AND BART CONNER DRIVE AND 36TH AVENUE N.W. AND CASCADE BOULEVARD AND FOR THE INSTALLATION OF TRAFFIC SIGNAL FIBER-OPTIC INTERCONNECT CABLE ON 36TH AVENUE N.W. BETWEEN ROBINSON STREET AND TECUMSEH ROAD.

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** 1. Text File K-1718-51, 2. K-1718-51, 3. Location Map - 36th NW at Bart Conner & Cascade, 4. Requisition

Date	Ver.	Action By	Action	Result
9/12/2017	1	City Council		

**CONTRACT K-1718-51:** A CONTRACT BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA, AND GARVER, L.L.C., IN THE AMOUNT OF \$49,250 TO PROVIDE ENGINEERING SERVICES FOR THE DESIGN OF NEW TRAFFIC SIGNALS AT THE INTERSECTIONS OF 36TH AVENUE N.W. AND BART CONNER DRIVE AND 36TH AVENUE N.W. AND CASCADE BOULEVARD AND FOR THE INSTALLATION OF TRAFFIC SIGNAL FIBER-OPTIC INTERCONNECT CABLE ON 36TH AVENUE N.W. BETWEEN ROBINSON STREET AND TECUMSEH ROAD.

**BACKGROUND:** The intersections of 36<sup>th</sup> Avenue NW with Bart Conner Drive and Cascade Boulevard are located in the northwest part of the City (see Attachment No. 1). The area in the general vicinity of these intersections has experienced significant residential and commercial development in recent years and additional traffic is anticipated in the near future with the on-going Jolley Addition development near the Cascade Boulevard intersection.

A recent traffic study for the 36<sup>th</sup> Avenue NW and Bart Conner Drive intersection revealed that the volume of traffic is high enough to justify the need for a new traffic signal.

Additionally, the traffic impact study required as part of the review and approval process for the Jolley Addition preliminary plat, which is located on the west side of 36<sup>th</sup> Avenue NW south of Tecumseh Road, recommended signalization of the intersection of 36<sup>th</sup> Avenue NW and Cascade Boulevard, and established the proportional share of the cost from this development (\$7,600), which the applicant will be required to pay before the final plat is filed. Construction of the Jolley Addition commercial development began a few weeks ago and is expected to be completed by the end of the year. Once the traffic impact fees are received, the funds will be deposited into the Capital Fund, Current Liabilities and Site Improvements Cash (account 050-0000-229.24-11) and used to pay for part of the cost of the project.

On November 8, 2016 City Council approved Resolution R-1617-47, which was later forwarded to both the Association of Central Oklahoma Governments (ACOG) and the Oklahoma Department of Transportation (ODOT), requesting federal funds to pay for 100% of the construction cost of the two new traffic signals and interconnect system. In the resolution the City agreed to the terms and conditions of a federally funded project by stating its willingness to assume the responsibility for the preparation of engineering plans, the purchase of any additional right-of-way, the relocation of public utilities and funding of the local share of the construction cost, which normally is 20% but for this safety project will be 0%. The project was submitted for consideration and is currently included in the Association of Central Oklahoma Governments' (ACOG)

2020 Regional Transportation Improvement Plan (TIP). The preliminary cost of construction is estimated at \$1 Million.

**DISCUSSION:** The Public Works Department prepared a Request for Proposal (RFP) to solicit the engineering services necessary to develop construction plans for the two new traffic signals and the interconnection of traffic signals along 36<sup>th</sup> Avenue NW, between Robison Street and Tecumseh Road. This project was one of four separate projects in RFP 1718-3. Eight proposals were submitted for consideration of this particular project. A Selection Committee was formed of Angelo Lombardo - City Transportation Engineer; Michael Rayburn - City Capital Projects Engineer; Shelly Williams - City Capital Projects Engineer; and two interested Norman citizens - Mr. Luis Malave, an Engineer for the Oklahoma Department of Transportation; and Ms. Charlotte Adcock, a Planner for the Association of Central Oklahoma Governments. The proposals were reviewed by members of the committee and Garver Engineers, a regional engineering firm with a Norman office, was selected as the best suited firm for the project.

Staff negotiated a \$49,250 contract fee with Garver Engineers to provide the engineering design services (see contract in Attachment No. 2). Funding for the work is budgeted in the FYE 2018 Capital Budget in 36<sup>th</sup> Avenue NW @ Bart Connor Drive & Cascade Boulevard - Design (account 050-9076-431.62-01; project TR-0109).

The engineering services will include topographical survey, construction plans for the new traffic signal and fiber-optic interconnect system, utility coordination, construction phase services and project management. The engineering design will be completed in the summer of 2018. If federal funding is secured, the construction of the project is likely to begin in December of 2018.

**RECOMMENDATION:** Staff recommends approval of Contract K-1718-51 with Garver in the amount of \$49,250 for the engineering services associated with the design of new traffic signals at the intersections of 36<sup>th</sup> Avenue NW with Bart Connor Drive and Cascade Boulevard, and the interconnection of traffic signals along 36<sup>th</sup> Avenue NW, between Robinson Street and Tecumseh Road, using fiber-optic cable.