



City of Norman, OK

Municipal Building Council
Chambers
201 West Gray
Norman, OK 73069

Master

File Number: K-1213-161 AMD #1

File ID: K-1213-161 AMD #1 **Type:** Contract **Status:** Consent Item

Version: 1 **Reference:** Item No. 16 **In Control:** City Council

Department: Public Works **Cost:** \$24,420.00 **File Created:** 02/11/2014
Department

File Name: Amendment to K-1213-161 with Tetra Tech, Inc., for **Final Action:**
12th Ave SE from Cedar to Hwy 9

Title: AMENDMENT NO. ONE TO CONTRACT NO. K-1213-161: BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA, AND TETRA TECH, INC., INCREASING THE CONTRACT AMOUNT BY \$24,420 FOR A REVISED CONTRACT AMOUNT OF \$274,066 TO PROVIDE ADDITIONAL ENGINEERING SERVICES FOR THE 12TH AVENUE S.E. WIDENING PROJECT FROM CEDAR LANE TO STATE HIGHWAY 9 FROM TWO TO FOUR LANES AND BUDGET APPROPRIATION FROM A SIGHT IMPROVEMENTS LIABILITY ACCOUNT.

Notes: ACTION NEEDED: Motion to approve or reject Amendment No. One to Contract No. K-1213-161 with Tetra-Tech increasing the contract amount by \$24,420 for a revised contract amount of \$274,066; and, if approved, authorize the execution thereof and appropriate \$33,477.13 from Deposit/Sight Improvements/Cash (050-0000-229.24-11) to Project No. TR0191, 12th Avenue SE/Hwy 9-Cedar Lane, Construction (050-9552-431.61-01).

ACTION TAKEN: _____

Agenda Date: 03/11/2014

Agenda Number: 16

Attachments: Text File Tetra Tech.pdf, K-1213-161 Tetra Tech Amendment #1 12th Avenue SE and SH 9, TIA Fees Bond Project (3), Location Map

Project Manager: Josh Malwick, Capital Projects Engineer

Entered by: mallory.scott@normanok.gov

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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Text of Legislative File K-1213-161 AMD #1

Body

BACKGROUND: On August 28, 2012, the citizens of Norman voted in favor of a Bond Issue to finance the local share of eight transportation/storm water improvement projects. One of the eight 2012 bond projects is the 12th Avenue SE Widening Project. Please see the attached location map showing the project boundaries.

On December 11, 2012, the Norman City Council approved Programming Resolution No. R-1213-78 requesting federal funds for the 12th Avenue S.E. Widening Project. This resolution states the City's commitment to

adhere to the terms and conditions of a federally funded project including engineering design, acquisition of all necessary rights-of-way and relocation of utilities and encroachments at 100% the City's cost. In return, the Association of Central Oklahoma Governments (ACOG), through the Oklahoma Department of Transportation (ODOT), agrees to provide 80% of the cost for the administration and construction with the 20% matching share from the City of Norman.

On April 9, 2013, City Council approved Contract No. K-1213-161 with Tetra Tech Inc. for the design of the 12th Avenue SE Widening Project for \$249,646 or 7.8% of the estimated project cost. The 12th Avenue SE Widening Project involves the construction of a new four-lane roadway that will include five foot bike lanes on each side of the road. The project will also include improvements at the intersection of SH-9 and 12th Avenue SE, extend the bike lanes north to Oak Tree Avenue, and add a left turn lane into the Campus Crest Apartments.

DISCUSSION: In the original design contract with Tetra Tech, the intersection of 12th Avenue SE and SH-9 was anticipated to require only minimal changes to the current layout. Since the approval of the original engineering contract, a large multi-family development, Park 7, was approved by City Council and is currently under construction. The combined impact of the added traffic from Campus Crest and Park 7 apartments has resulted in the need for more extensive changes to the intersection of SH-9 and 12th Avenue SE to accommodate the added traffic. Traffic Engineering Consultants (TEC) analyzed the intersection as part of the platting process for Park 7 and recommended the south leg of the SH-9 and 12th Avenue SE intersection be modified to include seven lanes. The seven lanes will include two through lanes for both northbound and southbound traffic, two left turn lanes for northbound to westbound and one right turn lane for northbound to eastbound.

In addition to modifying the design of the south leg of the intersection to seven lanes, TEC recommended installing a second left turn lane for westbound traffic on SH-9 turning southbound onto 12th Avenue SE to reduce possible congestion that might occur as the area develops. The dual left turn lanes will require additional design changes to the drainage structures and the traffic signals on SH-9.

The attached contract amendment addresses additional design services that will be necessary to complete the modified design of the intersection of SH-9 and 12th Avenue SE. The contract establishes the additional design fees for expanding the south leg of the SH-9 and 12th Avenue SE intersection to seven-lanes, adding a second left turn lane for westbound SH-9 and drainage system improvements at the intersection.

To help offset the cost of intersection improvements required to facilitate traffic increases caused by new developments, developers pay traffic impact fees to the City when final plats for subdivisions are filed. Section 4006.1 of the City's Engineering Design Criteria allows the City to analyze the effects a new development may have on existing traffic patterns. If it is determined by a Traffic Impact Analysis (TIA) that the new development will have a negative impact on existing traffic, the developer is assessed a Traffic Impact Fee. Attachment B provides a list of developments, the respective traffic impact fee for each and which intersection will be improved by these fees. Traffic Impact Fees in the amount of \$33,477.13 were collected from the surrounding developments directly impacting traffic at intersections within the limits of the 12th Avenue SE Widening Project. These traffic impact fees will be applied toward the intersection improvements during the 12th Avenue SE construction.

Tetra Tech Inc. will provide complete plans and specifications for this project and technical assistance to the City as needed. The consultant will perform the additional services discussed above for a cost of \$24,420 or an increase of 9.8% over the current contract amount. If approved, the total contract amount with Tetra Tech Inc. will be \$274,066 or 8.6% of the estimated project cost of \$3,181,021. Funds are available to cover the design cost of Amendment No. One in the project Right-of-Way account (account 050-9552-431.60-01; project BP0191).

RECOMMENDATION NO. 1: Staff recommends approval of Amendment 1 to Contract No. K-1213-161 between the City of Norman and Tetra Tech Inc. for the additional engineering services for the 12th Avenue SE Widening Project in the amount of \$24,420.

RECOMMENDATION NO. 2: Staff further recommends appropriating \$33,477.13 from Current Liability Site

Improvements Cash (account 050-0000-229.24-11) to the Capital Fund, 12th Avenue SE Widening Project (account 050-9552-431.61-01; project TR0191).