



office memorandum

DATE: September 9, 2013
TO: Steve Lewis, City Manager
THROUGH: Kenneth Komiske, Director of Utilities *K Komiske*
FROM: Charlie Thomas, Capital Projects Engineer *CT*
SUBJECT: Sewer Maintenance Project FYE 2011, Proposed Change Order #1

BACKGROUND: In 2001, the citizens of Norman approved a five dollar per month sewer maintenance fee to provide for the systematic replacement of aged and deteriorated sewer lines throughout our wastewater collection system. The annual project is rehabilitative in nature. On June 11, 2013, the Norman Utilities Authority (NUA) approved Contract Number K-1213-88 with Urban Contractors, LLC (Urban) in the amount of \$2,774,200 to provide construction services for the line replacements.

DISCUSSION: Construction began July 1, 2013, in the vicinity of Page and Brooks, just east of the University of Oklahoma (OU). As with any project of this scope, field adjustments and modifications were necessary. At Bishops Landing Apartments on Brooks Street, during pipe bursting operations, we discovered a large void adjacent to the work. See photo as Attachment A

Further investigation revealed a failed storm sewer under the parking lot and dangerously close to one of the apartment buildings. In consultation with Public Works, staff asked and Urban agreed to assist in repair of the damage.

Using Urban's video unit for visual reference and guidance, about seven (7) cubic yards of flowable fill were pumped into the void, and Urban grouted the joints of the storm sewer. The price shown for flowable fill in proposed Change Order No. 1 (CO1) includes use of Urban's TV/Video truck and labor to enter the line for grouting of pipe joints. Upon completion of the sanitary sewer replacement and the storm sewer repair, the surface damage was restored to an equivalent pre-construction condition, including paving cost as shown in CO1.

On the same sewer line, we discovered an existing eight inch (8") water main which directly conflicted with the required alignment of our proposed sewer main replacement. Again staff asked, and Urban agreed to assist us with relocating the conflicting water line. The materials were furnished by Line Maintenance Division. Upon initiating the water line excavation, existing damage to the line was discovered, which required more excavation for sufficient water line replacement. The CO1 lump sum amount of \$5,390 includes almost a week of unforeseen labor and equipment. The location of the relocation and repair, on Brooks Street, required Traffic control, plus the remaining items, sidewalk, curb and street restoration and replacement.

Staff believes that the proposed change order in the amount of \$19,334 is reasonable and recommends approval for the additional work. The proposed time increase of eighteen (18) days for the extra work includes a few days of delays awaiting City decisions and direction. Approximately \$138,319 is available in Sewer Maintenance Project FYE11 construction account 321-9338-432.61-01 (WW0064), which is sufficient to fund the change order.

Attachments: Picture and Change Order No. 1

Reviewed By: Clint Mercer, Chief Accountant *CM*

Reviewed By: Anthony Francisco, Finance Director *A. Francisco*

Reviewed By: Kathryn Walker, Assistant City Attorney *KW*

APPROVE: *CT*

Date: 10 Oct. '13

DISAPPROVE: _____

Date: _____

