CONTRACT AMENDMENT NO. 1
TO
ENGINEERING SERVICES CONTRACT

This Contract Amendment is made part of an agreement dated December 10, 2013 between the City of Joplin and TranSystems for design and construction management of the Euclid Drainage Improvements project. The purpose of this Contract Amendment is to extend the project limits to St. Louis Avenue to accommodate drainage improvements required for the Euclid Drainage Improvements project. Attachment A includes a detailed scope of services to be performed under this Contract Amendment. The contract amendment costs are summarized in the following table:

Contract Additions	
Additional Surveys and Legal Descriptions (TSE)	$7,204.00
Additional Road Design	$7,714.00
Total	$ 14,918.00

Original Design Task	$98,590.00
Additions to Design Task	$14,918.00
Revised Design Task	$ 113,508.00

Original Construction Task	$94,684.00
Additions to Construction Task	$ -
Revised Construction Task	$ 94,684.00

Revised Contract Total	$ 208,192.00

The total (design and construction phase) services shall be in an amount not to exceed Two Hundred Eight Thousand One Hundred Ninety Two dollars ($208,192.00). Contract Amendment No. 1 accepted as defined herein:

OWNER:_____ ENGINEER:_____

BY:_____ BY:_____

TITLE:_____ TITLE:_____

DATE:_____ DATE:_____

ATTEST:

BY:_____ BY:_____

TITLE:_____ TITLE:_____

DATE:_____ DATE:_____

All of the terms, covenants and conditions of the December 10, 2013 agreement are reaffirmed and ratified and this contract amendment is made, entered into, and subject to the terms covenants and conditions of the December 10, 2013 agreement.

Executed by the City on the____ day of _____, 20___.

ATTACHMENT A
CONTRACT AMENDMENT NO. 1

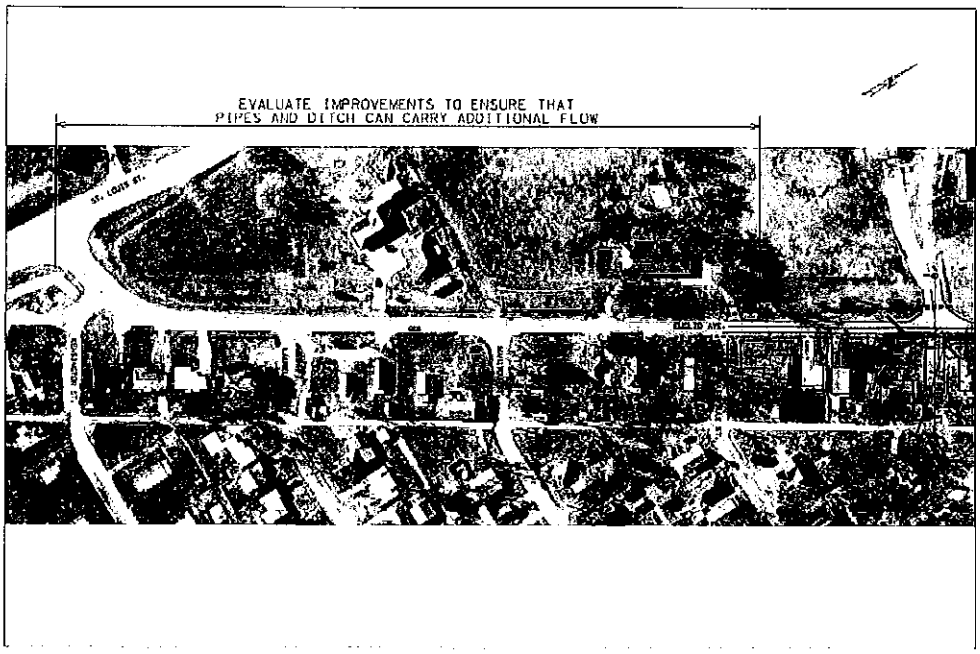
City of Joplin, Missouri
Design of Ditch Improvements along the east side of Euclid Avenue between Rolla Street and Odessa Street
PROJECT: TS0613 (10-4)

SCOPE OF SERVICES

A. DESIGN PHASE – The Engineer will provide the following services:

ADDITIONAL SURVEY AND DESIGN

The original project includes providing curb and gutter and grading to accommodate a future sidewalk along the east side of Euclid between Rolla and Odessa as well as an enclosed storm sewer to eliminate an open ditch. Due to the depth of proposed storm sewer at the discharge (deeper) relative to the existing ditch depth, piping storm drainage across Euclid to the west ditch is necessary. The west ditch along Euclid will require improvement to ensure that the ditch and pipes under driveways (4) can carry the additional flow (Q10). In addition, the existing pipe under Euclid at St. Louis would require a review to verify if an additional cross road pipe is necessary (This component is address by current St. Louis project being designed by the City of Joplin). The original survey included a portion of Euclid between Rolla and Odessa. In order to improve the ditch along the west side (and design driveways/pipes), additional survey will be required from Odessa south to St. Louis (approximately 1000 feet). It is anticipated that a portion of the St. Louis project survey will be utilized at the southern limit. Establishing existing R/W through the limits of additional survey will also be required in order to accommodate Drainage easement and/or Right-of-Way to construct the ditch improvements along the west side of Euclid.



Additional survey

The additional survey required to redirect drainage down the west ditch of Euclid between Rolla and St. Louis will included approximately 1000 feet of additional topogrphy. It is anticipated that a portion of the St. Louis project survey will be utilized at the southern limit. The additional survey will also include establishing existing R/W through the noted limits and preparation of Drainage easements and/or Right-of-Way descriptions required to construct the ditch improvements along the west side of Euclid (3 parcels).

1. Additional Survey and Descriptions $7,204

Additional Design

The additional design required to redirect drainage down the west ditch of Euclid between Rolla and St. Louis includes drainage design to size ditch and entrance pipes, redesign of driveways (4), additional cross sections (40 at 25 foot spacing). The additional fee required to incorporate the supplemental design along Euclid noted below:

1. Additional Design and Plan Preparation $7,714

The above additional services for modification to the Euclid Ditch Improvement project total $14,918.

Summary of Engineering Contract Modifications

The additional survey and design will increase the Basic Design services by $14,918. The resulting total fee for Basic Design services will be $113,508. The Construction Management fee of $94,684.00 will remain the same providing a total contract fee of $208,192.

2/11/15

CONTRACT AMENDMENT NO. 1
Euclid Drainage Improvements
City of Joplin, Missouri

BASIC DESIGN SERVICES ESTIMATE (Supplemental Services)

Design and Detailing Effort :

E5	0	hours @	$270.00	=	$0.00	
E4	8	hours @	$197.00	=	$1,576.00	
E3	0	hours @	$155.00	=	$0.00	
E2	26	hours @	$119.00	=	$3,094.00	
E1	0	hours @	$96.00	=	$0.00	
T5	0	hours @	$148.00	=	$0.00	
T4	0	hours @	$112.00	=	$0.00	
T3	32	hours @	$92.00	=	$2,944.00	
T2	0	hours @	$78.00	=	$0.00	
T1	0	hours @	$63.00	=	$0.00	
SC3	0	hours @	$108.00	=	$0.00	
SC2	0	hours @	$85.00	=	$0.00	
I3	0	hours @	$88.00	=	$0.00	
Total Hours	66				Total Fee=	$7,614.00

Expenses :

Subconsultants:

Tri-State Engineering (Surveying)				=	$7,204.00	
					Subtotal - Subconsultants:	$7,204.00

Expenses (Design):

Mileage:						
Design	0 miles @	$	0.56	=	$0.00	
Others	0 miles @	$	0.56	=	$0.00	
Printing (plan reviews)				=	$100.00	
					Subtotal - Other Expenses :	$100.00

GRAND TOTAL COST (Supplemental Survey & Design): $14,918.00