

City of Broken Arrow
 Project No. ST2029 Supplemental #2
 Houston Street Widening from Olive Avenue to Aspen Avenue
 Tulsa County, OK

CP&Y, Inc. dba STV Infrastructure (STV)

Task Description	Total Cost
<u>TOTAL LABOR COSTS</u>	
Street Realignment	\$ 133,048.00
Project Management	\$ 6,246.00
SUB-TOTAL LABOR EXPENSES	\$ 139,294.00
<u>SUMMARY</u>	
TOTAL LABOR COSTS	\$ 139,294.00
EXPENSES	
TOTAL CP&Y dba STV FEE	\$ 139,294.00
<u>SUBCONSULTANTS</u>	
<u>POE</u>	
Surveying	\$ -
Right-of-Way Support Services	\$ 9,000.00
<u>Terracon</u>	
Phase 1 - Task 1B - Geotechnical Investigation	\$ -
<u>Traffic Engineering Consultants</u>	
Phase 1 - Task 1C - Traffic Projection Analysis	
Phase 3 - Task 3A - Hawk Signal at Park	\$ -
<u>ADDITIONAL SERVICES (AS NEEDED BASIS)</u>	
Phase 2 - Task 2A - Utility Locates	
Phase 2 - Task 2B - Supplemental Survey Needs	
Phase 5 - Task 5A - Supplemental Right-of-Way Support Services	
Phase 7 - Task 7B - Supplemental Construction Services	
<u>SUPPLEMENTAL SERVICES (TO BE DETERMINED)</u>	
Phase 6 - Task 6B - City Norman Utility Design	\$ -
GRAND TOTAL	\$ 148,294.00

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Task Description	No. Shts	Project Manager	Senior Engineer	Design Engineer	Design Technician	Admin / Clerical	Totals	
		\$270.00	\$222.00	\$174.00	\$130.00	\$102.00	Hours	Cost
PHASE 3 - DESIGN SERVICES (Task 3D - Final Plans - Phase 2)								
Plans		18	44	148	148	0	358	\$ 59,620.00
Revise Title Sheet and Spec Changes	1	2		2				
Revise Typical Sheets (Nos. 1-3,5)	4		2	6	12			
Revise Pay Quantities (Base Bid)	1	2	4	8	8			
Revise Pay Item Notes	1		2	2				
Revise Roadway and Traffic Summary Sheets				4	4			
Revise Right-of-Way Sheets			2	4	4			
Revise P&P Sheets		6	8	36	36			
Revise Intersection/Taper Details			8	24	24			
Revise Engineer's Estimate of Probable Cost			2	2				
Roadway QA/QC		8	8					
Revise Cross Sections			8	60	60			
Drainage Design		4	58	194	118	0	374	\$ 63,052.00
Revise Interior Drainage Area Maps			2	12	10			
Revise Drainage System			10	64	64			
Revise Drainage Design Data Sheets			8	20				
Revise Storm Sewer Computations			12	24				
Revise Drainage Summary Tables			2	6	6			
Revise Drainage P&P Sheets		2	8	42	36			
Revise Detail Sheets		2	12	20				
Revise Pay Items & Notes			4	4				
Revise SWPPP and Erosion Control Plans				2	2			
Traffic		0	8	30	26	0	64	\$ 10,376.00
Revise Summary of Traffic Pay Quantities			2	4				
Revise Traffic Summary Sheets				4	4			
Revise Traffic Control Plans			4	16	16			
Revise Summary of Small Signs				2	2			
Revise Signing and Striping Plans			2	4	4			
Attend Final Plan Review							0	\$ -
Revise Plans Per Comments							0	\$ -
Sub-Total Hours		22	110	372	292	0	796	
Sub-Total Cost		\$ 5,940.00	\$ 24,420.00	\$ 64,728.00	\$ 37,960.00	\$ -		\$ 133,048.00

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Project Management								
Project Management		15	4	4	0	6	29	\$ 6,246.00
Meet with City and Stakeholders as Required		4	4	4				
Coordination with Subconsultants		3						
Create and Submit Monthly Invoices		3				4		
Prepare Monthly Progress Reports		3						
Monitor and Review Subconsultant Invoices		2				2		
Sub-Total Hours		15	4	4	0	6	29	
Sub-Total Cost		\$ 4,050.00	\$ 888.00	\$ 696.00	\$ -	\$ 612.00		\$ 6,246.00