

**AMENDMENT NO. 1 TO THE CONTRACT NO. K-1213-170
BETWEEN CITY OF NORMAN AND ENGINEER
FOR PROFESSIONAL SERVICES**

36th Ave NW PROJECT

This is an agreement made as of the 7th day of May, 2019 between the City of Norman (OWNER) and CP&Y Inc. (ENGINEER) amending the Original Contract No. K-1213-170 dated May 24, 2013 between the said parties. OWNER intends to expand the design work beyond the scope of work included in the above said Original Contract. The following shall be considered as the additional work beyond the original scope.

- (a) Original project with limits from Tecumseh Road to Market Place Blvd to be split into two separate bidding documents. The first project will have limits from Tecumseh Road to Franklin Road, while the second project will run from Franklin Road to Market Place Blvd;
- (b) Revise plans accordingly to split the project into two separate projects. This includes revising the horizontal and vertical geometry so that the project can be built in two separate construction contracts. The following subtasks will be affected by splitting the project:
 - a. Plan and Profile Sheets
 - b. Drainage area maps
 - c. Storm Sewer Design and Details
 - d. Traffic Control Design and Plans
 - e. Signing and Striping Plans
 - f. Quantities, Pay Items, Notes and Summaries;
- (c) Attend additional project meetings and take minutes. Prepare and distribute the minutes of the meetings;
- (d) Additional Construction Services due to two projects being let;
- (e) Additional Project Management oversight to include invoicing, internal design meetings and subconsultant coordination;
- (f) Additional expenses incurred for breaking the project into two separate projects.
- (g) During the design while the Phase One project was at a 90% level the City requested that we shift the entire alignment of Phase One to the west six feet to avoid impacting the Western Farmer's electrical transmission lines saving the City approximately \$750,000 in utility relocation costs.
- (h) During the design while the Phase One project was at a 90% level and Phase Two project was at a 60% level the city requested a change in the typical section. This included both the width of the pavement as well as changing from a concrete section throughout to utilizing an asphalt section outside of the intersections.
- (i) Add signal with pedestrian crossing at the entrance to All Saints Catholic School.
- (j) Original project did not include the Design for City Utility Relocations. The amendment will include the Design for the relocation of the existing waterlines and sewer lines within the both phases of the project from Tecumseh Road to Market Place Road.
- (k) It is anticipated that the main waterline will be impacted roughly 500 lf at outfall #1. The trunk line outfall at the bridge class culvert will be redesigned to avoid impacting the main waterline. The waterline will also be impacted at the intersection of Franklin Road and Indian Hills Road as well as along Franklin Road due to the widening of the existing intersection and the widening of Franklin Road. Twenty-seven crossings will also be impacted due to the introduction of the proposed storm sewer trunk line. There are also forty water

valves, manholes and fire hydrants that will have to be adjusted due to the proposed changes.

- (l) The gravity sanitary sewer line will also be impacted due to the conflict with the proposed storm sewer trunk line at Sta. 17+25. To avoid the impact to this crossing and subsequent 1100 lf of sanitary sewer line we will have to redesign 800 lf of storm sewer, 1000 lf of roadway profile, detailing of multiple storm sewer junction boxes and revised cross sections.

OWNER and ENGINEER in consideration of the mutual covenants herein agree to the following in respect to the performance of Professional Engineering Services and the payment for those services by OWNER as set forth below for the above described additional scope of work.

1. ENGINEER shall perform professional services as stated in Attachment A of the Original Contract for the additional scope of work described above.
2. For services performed for the additional scope of work in accordance with this amendment, the OWNER shall pay ENGINEER additional fee not to exceed One hundred ninety-three thousand eight hundred and ninety-five and 00/100 dollars (\$193,895.00) based on the additional man-hours required to complete the work and as specified on the attached fee schedule (Attachments B).
3. All other requirements of the ENGINEER included in the Original Contract shall remain in effect for the purposes of this agreement.

This Amendment No. 1 is subject to all terms, covenants, and conditions not inconsistent herewith contained in the Original Contract No. K-1213-170 dated May 24, 2013 which terms, covenants, and conditions are hereby reaffirmed and ratified.

IN WITNESS WHEREOF. Owner and Engineer have executed this agreement.

DATED this _____ day of _____, 2019.

CITY OF NORMAN

Owner

Engineer

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

ATTEST:

ATTEST:

City Clerk

Secretary

APPROVED as to form and legality this _____ day of _____ 2019.

City Attorney

CONTRACT NUMBER:
 WORK AUTHORIZATION #
 CHIANG PATEL & YERBY, INC.

City of Norman

Contract No. K-1213-170 Supplemental #1
 36th Avenue, Market Place to Indian Hills Road
 Cleveland County, OK

CP&Y, Inc.

2000 North Classen Blvd., Ste. 1410
 Oklahoma City, OK 74106

Task Description	Total Cost
<u>TOTAL LABOR COSTS</u>	
Phase 3 - Task 3C - 60% Design	\$ 26,305.00
Phase 3 - Task 3D - Final Plans	\$ 84,880.00
Phase 6 - Utility Relocation	\$ 46,270.00
Phase 7 - Construction Services	\$ 10,410.00
Project Management	\$ 10,360.00
SUB-TOTAL LABOR EXPENSES	\$ 178,225.00
<u>SUMMARY</u>	
TOTAL LABOR COSTS	\$ 178,225.00
EXPENSES	\$ 670.00
TOTAL CP&Y FEE	\$ 178,895.00
<u>SUBCONSULTANTS</u>	
<u>Lemke Surveying</u>	
Phase 1 - Task 1A - Surveying	\$ -
Phase 5 - Task 5A & 5B - Right-of-Way Support Services	\$ -
<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 - Traffic Signals	\$ 15,000.00
<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	\$ 193,895.00

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36th Avenue, Market Place to Indian Hills Road
Cleveland County, OK

CP&Y, Inc.
1000 W. Wilshire Blvd., Suite 224
Oklahoma City, OK 73116

Task Description	No. Shts	Project Manager	Senior Engineer	Design Engineer	Design Technician / EIT	Admin / Clerical	Totals	
		\$220.00	\$190.00	\$135.00	\$105.00	\$60.00	Hours	Cost
PHASE 3 - DESIGN SERVICES (Task 3C - 60% Design)								
Roadway		3	17	38	38	0	96	\$ 13,010.00
Finalize Horizontal and Vertical Alignments			2	4	4			
Finalize Typical Sections				2	2			
Revise Plan and Profile Sheets			1	4	4			
Revise Preliminary Right-of-Way Needs			2	2				
Revise Preliminary Utility Conflicts								
Prepare Cross Section Sheets			2	12	12			
Prepare Driveway Schedules								
Prepare Pay Items & Notes			1	4	8			
Prepare Summary Tables				4	4			
Prepare Detail Sheets			2	4	4			
Revise Engineer's Estimate of Probable Cost		1	1	2				
Roadway QA/QC		2	6					
Drainage		0	10	26	26	0	62	\$ 8,140.00
Develop Interior Drainage Area Maps				4	4			
Develop Preliminary Drainage System								
Develop Drainage Design Data Sheets			2	4	4			
Revise Drainage Structures Tables			2	4	4			
Prepare Drainage Summary Tables			2	4	4			
Prepare Detail Sheets			2	4	4			
Prepare Pay Items & Notes			2	4	4			
Prepare SWPPP and Erosion Control Plans				2	2			
Traffic		0	3	11	16	0	30	\$ 3,735.00
Develop Construction Traffic Control Plans			2	4	4			
Develop Signing and Striping Plans				1	4			
Prepare Traffic Summary Tables				2	4			
Prepare Detail Sheets								
Prepare Pay Items & Notes			1	4	4			
Additional Plan-in-Hand Review Meeting		4		4			8	\$ 1,420.00
Sub-Total Hours		7	30	79	80	0	196	
Sub-Total Cost		\$ 1,540.00	\$ 5,700.00	\$ 10,665.00	\$ 8,400.00	\$ -		\$ 26,305.00

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		\$220.00	\$190.00	\$135.00	\$105.00	\$60.00	Hours	Cost
PHASE 3 - DESIGN SERVICES (Task 3D - Final Plans)								
Roadway		6	54	108	100	0	268	\$ 36,660.00
Finalize Plan and Profile Sheets			10	26	34			
Finalize Right-of-Way Needs								
Finalize Cross Section Sheets			12	42	42			
Finalize Driveway Schedules				4	4			
Finalize Pay Items & Notes			2	8	8			
Finalize Summary Tables			2	8	8			
Finalize Detail Sheets			4	8				
Finalize Engineer's Estimate of Probable Cost			4	6				
Roadway QA/QC		2	16					
Prepare Specifications and General Notes		2	2	4	4			
Prepare Special Provisions		2	2	2				
Drainage		0	48	82	104	0	234	\$ 31,110.00
Finalize Interior Drainage Area Maps			2	4				
Finalize Drainage System			10	4	4			
Finalize Drainage Design Data Sheets			6	8	4			
Finalize Drainage Structures Tables			10	22	22			
Finalize Drainage Summary Tables			2	12	12			
Finalize Detail Sheets			14	24	50			
Finalize Pay Items & Notes			2	4	4			
Finalize SWPPP and Erosion Control Plans			2	4	8			
Traffic		0	7	30	46	0	83	\$ 10,210.00
Finalize Construction Traffic Control Plans			4	16	30			
Finalize Signing and Striping Plans				4	4			
Finalize Traffic Summary Tables			1	4	6			
Finalize Detail Sheets								
Finalize Pay Items & Notes			2	6	6			
Attend Final Plan Review		4	4				8	\$ 1,640.00
Revise Plans Per Comments			4	10	30		44	\$ 5,260.00
Sub-Total Hours		10	117	230	280	0	637	
Sub-Total Cost		\$ 2,200.00	\$ 22,230.00	\$ 31,050.00	\$ 29,400.00	\$ -		\$ 84,880.00

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CP&Y, Inc.
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 Oklahoma City, OK 73106

Task Description	No. Shts	Project Manager	Senior Engineer	Design Engineer	Design Technician / EIT	Admin / Clerical	Totals	
		\$220.00	\$190.00	\$135.00	\$105.00	\$60.00	Hours	Cost
PHASE 6 - UTILITY RELOCATION								
Task 6A - Utility Relocation Coordination and Relocation Plan Review		0	2	0	4	0	6	\$ 800.00
a. Coordination with City Utility Coordinator			2		4			
b. Coordination with Utility Companies								
c. Attend Meetings with Utility Companies								
d. Review Utility Relocation Plans								
e. Maintain "Utility Relocation Map"								
Task 6B - Design for City Utility Relocations (TBD)		18	62	102	152	0	334	\$ 45,470.00
a. Waterline Plan and Profile		10	36	60	100			
b. Waterline Details		4	12	12	16			
c. Sanitary Sewer Line Plan and Profile								
d. Sanitary Sewer Line Details								
e. Utility Quantities, Bid Item Notes and Estimate			8	24	24			
f. Utility General Notes and Specifications		4	6	6	12			
Sub-Total Hours		18	64	102	156	0	340	
Sub-Total Cost		\$ 3,960.00	\$ 12,160.00	\$ 13,770.00	\$ 16,380.00	\$ -		\$ 46,270.00

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Task Description	No. Shts	Project Manager	Senior Engineer	Design Engineer	Design Technician / EIT	Admin / Clerical	Totals	
		\$220.00	\$190.00	\$135.00	\$105.00	\$60.00	Hours	Cost
PHASE 7 - CONSTRUCTION SERVICES								
Task 7A - Bid Administration		3	12	6	4	0	25	\$ 4,170.00
a. Prepare a Signed/Sealed Engineer's Estimate			4	4				
b. Submit "Construction Plans" to ODOT for Reproduction			2		4			
c. Attend Pre-Bid Meeting		2	2					
d. Answer RFI's		1	4	2				
Task 7B - Construction Administration		2	2	0	0	0	4	\$ 820.00
c. Attend Pre-Construction Meeting Conducted by ODOT		2	2					
Task 7C - Record Drawings		2	6	16	16	0	40	\$ 5,420.00
a. Prepare and Submit Record Drawings to the City		2	6	16	16			
Sub-Total Hours		7	20	22	20	0	69	
Sub-Total Cost		\$ 1,540.00	\$ 3,800.00	\$ 2,970.00	\$ 2,100.00	\$ -		\$ 10,410.00

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		\$220.00	\$190.00	\$135.00	\$105.00	\$60.00	Hours	Cost
Project Management								
Project Management		32	8	8	0	12	60	\$ 10,360.00
Meet with City, ODOT, and Stakeholders as Required		4		4				
Coordination with Subconsultants		4						
Create and Submit Monthly Invoices		8				8		
Prepare Monthly Progress Reports		8						
Prepare Meeting Agendas		2	2					
Internal Design Team Meetings		4	4	4				
Monitor and Review Subconsultant Invoices		2	2			4		
Sub-Total Hours		32	8	8	0	12	60	
Sub-Total Cost		\$ 7,040.00	\$ 1,520.00	\$ 1,080.00	\$ -	\$ 720.00		\$ 10,360.00

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Direct Expenses

Expense Item	Unit	Unit Cost	Amount	Total Cost
CADD Plotting	sf	\$ 1.50		\$ -
Mylar Plots	sheet	\$ 3.00		\$ -
Digital Ortho Plotting	lf	\$ 3.00		\$ -
11" X 17" Mylar	sheet	\$ 1.00		\$ -
8 1/2" X 11" B/W Paper Copies	sheet	\$ 0.10	500	\$ 50.00
11" X 17" B/W Paper Copies	sheet	\$ 0.20	1,000	\$ 200.00
8 1/2" X 11" Color Paper Copies	sheet	\$ 1.00		\$ -
11" X 17" Color Paper Copies	sheet	\$ 1.80		\$ -
Fax Copies	sheet	\$ 0.10		\$ -
Film and Development	roll	\$ 8.00		\$ -
4 X 6 Digital Color Prints	picture	\$ 0.50		\$ -
Oversized Digital Color Prints	picture	\$ 50.00		\$ -
Standard Postage	letter	\$ 0.46		\$ -
Express Mail (Standard)	each	\$ 15.00	5	\$ 75.00
Express Mail (Oversized)	each	\$ 30.00		\$ -
Deliveries	each	\$ 25.00	5	\$ 125.00
Airfare	each	\$ 200.00		\$ -
Rental Car	day	\$ 80.00		\$ -
Lodging	day	\$ 85.00		\$ -
Meals	day	\$ 36.00		\$ -
Mileage	mile	\$ 0.550	400	\$ 220.00
SUBTOTAL DIRECT EXPENSES				\$ 670.00