



# CDBG-DR 13 CHANGE ORDER OR WORK ORDER AMENDMENT



Project Information					
<b>Project Name</b>	SE 4 <sup>th</sup> St. Trail				
<b>Work Order Number (CDBG-DR 01)</b>	I-07-E-URG	<b>Project Address</b>	SE 4th St from Eastern Ave to S. Bryant Ave		
<b>Date</b>	4/12/2017	<b>Requested By</b>	Rudy Construction		
<b>Date Requested</b>	4/11/2017	<b>Total Budget</b>	\$928,184.83	<b>Cost of Change</b>	\$122,842.91

Change Order Type - Description				
<b>Circle Type:</b>	Field	Change	Work Order Amendment	
<b>Budget Line Items Affected: (List All)</b>				
<b>Change in Quantities:</b>				
301-01 Curb & Gutter (2'-8")(6" Barrier)(0-500SY) - Unit Price of\$28/LF, Quantity Increased to 1,461, New total \$40,908.00				
812-01 Remove Sidewalk (Width) - Unit Price of \$10/SY, Quantity Increased to 704.78, New total \$4,047.80				
801-00 Construction Staking – Unit Price of \$1,250/day, Quantity decreased to 0, New total \$0.00				
812-02 Remove Curb & Gutter – Unit Price of \$7/LF, Quantity increased to 1,391, New total \$9,737.00				
812-04 Asphalt Pavement Removal – Unit Price of \$10/SY, Quantity increased to 266, New total \$2,660.00				
823-00 Sidewalk (6') – Unit Price of \$55/SY, Quantity increased to 4,058.01, New total \$223,190.55				
830-00 Wheelchair Ramp – Unit Price of \$100/SY, Quantity increased to 256, New total \$25,600.00				
830-01 Tactile Markers/Truncated Domes – Unit Price \$25/SF, Quantity increased to 232, New total \$5,800.00				
840-04 Solid Slab Sodding (U-3 Bermuda) – Unit Price \$3/SY, Quantity increased to 4,527.77, New total \$13,583.31				
900-03 Filter Fabric Silt Fence-Complete in Place – Unit Price \$2/LF, Quantity decreased to 0, New total \$0.00				
826-04 Handrail (Steel)(3") – Unit Price \$100/LF, Quantity increased to 44, New total \$4,400.00				

Replacement of Cast Iron Hood – Unit Price \$600/each, Quantity increased to 6, New total \$3,600.00  
 713-11 3" Traffic Signal Conduit Bored – Unit Price \$30/LF, Quantity increased to 155, New total \$4,650.00  
 729-00 Sheet Aluminum Panel Signs – Unit Price \$30/SF, Quantity increased to 50, New total \$1,500.00  
 742-00 Portable Changeable Message Sign – Unit Price \$50/SD, Quantity decreased to 0, New total \$0.00  
 738-10 Remove Pavement Marking (words) – Unit Price \$2/each, Quantity decreased to 0, New total \$0.00

**Added Item:**

813-00 Remove Driveway – Unit Price \$10/SY, Quantity 363, Total \$3,630.00  
 200-00 Unclassified Excavation (>500 CY) – Unit Price \$15/CY, Quantity 404.46, Total \$6,066.90  
 740-05 Construction Signs (16 to 32.99 SF) – Unit Price \$5/SD, Quantity 311, Total \$1555.00  
 225-03 Aggregate Base Type A – Unit Price \$70/CY, Quantity 75.81, Total \$5,306.70  
 304-04 Portland Cement Conc. Pavement (6")(101-500sy) – Unit Price 60/SY, Quantity 641.92, Total \$38,515.20  
 305-04 Integral Curb (Barrier)(8")0-500LF) – Unit Price \$13/LF, Quantity 50, Total \$650.00  
 Irrigation Repair – Unit Price \$1,440/LS, Quantity 1, Total \$1,440.00  
 Pedestrian Push Button Control Unit – Unit Price \$4,687.00/each, Quantity 1, Total \$4,687.00

<b>Change Description</b>	<p><b>Increased Quantities:</b></p> <p>305-01 Curb &amp; Gutter – City project manager instructed contractor to remove and replace entire curb radius at driveways and intersection ramps in order to comply with ADA. This added quantity not included in original budget.</p> <p>812-02 Curb Removal - City project manager instructed contractor to remove and replace entire curb radius at driveways and intersection ramps in order to comply with ADA. This added quantity not included in original budget.</p> <p>812-00, 01 Sidewalk Removal – Existing sidewalk was removed further back on the radius than shown on the plans per project manager’s instructions. Widths of existing sidewalk varied from plan width shown.</p> <p>812-04 Asphalt Pavement Removal – Additional asphalt removed at school entrance, not included in original budget.</p> <p>830-00, 01 Wheelchair Ramps – Increased quantity due to field modification (enlarged) of ramps per city project manager’s instructions. This also increased the tactile dome quantity.</p> <p>840-04 Sodding – Quantity overran due to additional areas disturbed by extra sidewalk and driveway construction.</p> <p>626-04 Handrail – Quantity exceeded estimate due to instruction from city project manager to extend rail beyond existing RCB box.        Replace Cost Iron Hoods – Quantity exceeded estimate per project manager. He felt existing hoods too damaged to leave in place.</p> <p>713-10, 11 3’ Conduit Bored – under estimated on original budget.</p> <p>729-00 Sheet Aluminum Signs – Actual construction required additional signage be installed in school zone.</p>
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**Added Items:**

813-00 Remove Driveway – Exceeded quantities because project manager had contractor go back to the property line instead of stopping at the approach.

200-00 Unclassified Excavation >500 – Item added when quantity exceeded that allowed original line item 0-200. Change in sidewalk elevations added to excavated material quantity.



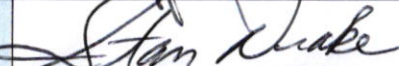

225-03 Aggregate Base Type A – Item added as required by PCC Pavement construction.

304-04 PCC Concrete Pavement – Item wasn't included in original budget.

304-04 Integral Curb 8" – Item added per project manager where sidewalks were lower than adjacent property.

Irrigation Repair at School Admin Building – Existing irrigation system found to be in conflict with new sidewalk.

Pedestrian Push Button Control Unit – Item not on original proposal. Overlooked in price of item for the push button it

Field Change Order			
Field Change Order Authorization ONLY Vendor Signature		Date	
Field Change Order Authorization ONLY Project Manager Signature		Date	
Change Order			
Change Order Authorization ONLY Vendor Signature		Date	
Change Order Authorization ONLY Project Manager Signature		Date	
Change Order Authorization ONLY Project Supervisor Signature		Date	
Contract Amendment			
Work Order Amendment Authorization ONLY Vendor Signature		Date	4/12/2017
Work Order Amendment Authorization ONLY Project Manager Signature		Date	4/12/2017
Work Order Amendment Authorization ONLY Project Supervisor Signature		Date	4/12/2017
Contract Amendment Authorization ONLY CDBG Manager		Date	4/12/2017

	A	B	C	D	E	F	G	H	I
1	PAGE ONE:	History of Changes Occurring							
2								AS OF 12APRIL17	
3						(D*E)	CHANGE ORDER	CHANGE ORDER	(I-F)
4	<b>Pay Item #</b>	<b>Item Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Estimated Cost</b>	<b>Quantity Changed by</b>	<b>Quantity Changed by</b>	<b>TOTAL QUANTITY TO DATE</b>
5	200-00	Unclassified Excavation (0-200 CY)	CY	621.00	20.00	12,420.00		-260.04	360.96
6	305-01	Curb & Gutter (2'-8")(6" Barrier)(0-500SY)	LF	75.00	28.00	2,100.00	1,386.00		1,461.00
7	801-00	Construction Staking (Construction Survey)	Day	2.50	1,250.00	3,125.00	-2.50		0.00
8	812-01	Remove Sidewalk (Width)	SY	573.00	10.00	5,730.00	131.78		704.78
9	812-02	Remove Curb & Gutter	LF	450.00	7.00	3,150.00	941.00		1,391.00
10	812-03	Concrete Pavement Removal	SY	1,370.00	10.00	13,700.00		-728.08	641.92
11	812-04	Asphalt Pavement Removal	SY	53.00	10.00	530.00	213.00		266.00
12	823-00	Sidewalk (6')	SY	3,936.00	55.00	216,480.00	122.01		4,058.01
13	823-03	6" PC Conc. Driveway (HES)	SY	1,370.00	65.00	89,050.00		-451.56	918.44
14	830-00	Wheelchair Ramp	SY	230.00	100.00	23,000.00	26.00		256.00
15	830-01	Tactile Markers/Truncated Domes	SF	170.00	25.00	4,250.00	62.00		232.00
16	840-04	Solid Slab Sodding (U-3 Bermuda)	SY	3,050.00	3.00	9,150.00	1,477.77		4,527.77
17	900-03	Filter Fabric Silt Fence-Complete in Place	LF	3,158.00	2.00	6,316.00	-3,158.00		0.00
18	404-01	Concrete Class A	CY	10.00	850.00	8,500.00		-10.00	0.00
19	459-01	Adjust Manhole to Grade 2 + 9 ATT	EA	9.00	500.00	4,500.00		-5.00	4.00
20	826-04	Handrail (Steel)(3")	LF	40.00	100.00	4,000.00	4.00		44.00
21		Segmental Block Retaining Wall	SF	3,394.00	45.00	152,730.00		-774.00	2,620.00
22		Replacement of Cast Iron Hood	EA	3.00	600.00	1,800.00	3.00		6.00
23	713-08	2" Traffic Signal Conduit Trenched	LF	86.00	12.00	1,032.00		-62.00	24.00
24	713-10	3" Traffic Signal Conduit Trenched	LF	15.00	18.00	270.00		-5.00	10.00
25	713-11	3" Traffic Signal Conduit Bored	LF	137.00	30.00	4,110.00	18.00		155.00
26	714-04	(5) Conductor Traffic Signal Electrical Cable	LF	438.00	3.00	1,314.00		-140.00	298.00
27	714-09	(12) Conductor Traffic Signal Electrical Cable	LF	195.00	5.50	1,072.50		242.00	437.00
28	722-00	Pedestrian Push Button & Sign	EA	2.00	900.00	1,800.00			2.00
29	724-04	Pole & Specified 25' Mast Arm(s) Installed	EA	1.00	10,320.00	10,320.00		-1.00	0.00
30	724-06	Pole & Specified 35' Mast Arm(s) Installed	EA	1.00	16,200.00	16,200.00		0.50	1.50
31	724-68	Pedestal Pole w/ 10' Mounting Height	EA	2.00	1,020.00	2,040.00			2.00
32	725-00	Structural Concrete	CY	8.10	1,080.00	8,748.00		-2.20	5.90
33	725-01	Reinforcing Steel	LBS	837.00	2.50	2,092.50			837.00

	A	B	C	D	E	F	G	H	I
34	726-00	Pull Box Type I	EA	2.00	780.00	1,560.00			2.00
35	826-01	Pull Box Type II	EA	1.00	1,020.00	1,020.00			1.00
36	729-00	Sheet Aluminum Panel Signs	SF	38.00	30.00	1,140.00	12.00		50.00
37	729-02	Mast Arm Mounted Signs	SF	10.00	45.00	450.00		-10.00	0.00
38	729-10	Remove & Relocate Signs	EA	21.00	100.00	2,100.00		-19.00	2.00
39	733-00	Square Steel Sign Post	EA	9.00	115.00	1,035.00		-4.00	5.00
40	735-00	Traffic Stripe (Plastic)(4"wide)	LF	1,238.00	1.00	1,238.00		-878.00	360.00
41	738-08	Remove Pavement Marking (stripe)	EA	1,238.00	0.50	619.00		-1,227.00	11.00
42	738-10	Remove Pavement Marking (words)	EA	2.00	20.00	40.00	-2.00		0.00
43	740-05	Construction Signs (6.26 to 15.99 SF)	SD	384.00	2.00	768.00		-371.00	13.00
44	740-08	Construction Barricades (Type II)	SD	192.00	3.00	576.00		-188.00	4.00
45	740-09	Construction Barricades (Type III)	SD	192.00	10.00	1,920.00		-101.00	91.00
46	740-14	Channelizer Cones	SD	4,800.00	1.50	7,200.00		-1,265.00	3,535.00
47	742-00	Portable Changeable Message Sign	SD	96.00	50.00	4,800.00	-96.00		0.00
48		Traffic Signal Controller Assembly	EA	1.00	39,700.00	39,700.00			1.00
49		1-Way-3-Section Adj. Sig. Hd. Ped. Hybrid Beacon	EA	4.00	1,020.00	4,080.00		-2.00	2.00
50		1-Way-2-Section Adj. Ped. Sig. Hd. S-20	EA	2.00	780.00	1,560.00			2.00
51		Polara Configurator	EA	1.00	720.00	720.00			1.00
52		Backplate	EA	4.00	100.00	400.00		-4.00	0.00
53		Entry Feature	LS	1.00	65,000.00	65,000.00			1.00
54		Potholing	EA	40.00	180.00	7,200.00		-15.00	25.00
55	813-00	Remove Driveway	SY	0.00	10.00	0.00	363.00	152.00	515.00
56	200-00	Unclassified Excavation (>500 CY)	CY	0.00	15.00	0.00	404.46		404.46
57	740-05	Construction Signs (16 to 32.99 SF)	SD	0.00	5.00	0.00	311.00		311.00
58	225-03	Aggregate Base Type A	CY	0.00	70.00	0.00	75.81		75.81
59	304-04	Portland Cement Conc. Pavement (6" )(101-500sy)	SY	0.00	60.00	0.00	641.92		641.92
60	305-04	Integral Curb (Barrier)(8" )0-500LF)	LF	0.00	13.00	0.00	50.00		50.00
61		Irrigation Repair	LS	0.00	1,400.00	0.00	1.00		1.00
62		Pedestrian Push Button Control Unit	EA	0.00	4,687.00	0.00	1.00		1.00
63		Relocate Meter for Entry Feature	EA	0.00	950.00	0.00		1.00	1.00
64						752,656.00			
65						52,685.92			
66						<b>805,341.92</b>			
67									
68	<b>Change Order 4-12-2017</b>								
69	305-01	Curb & Gutter (2'-8" )(6" Barrier)(0-500SY)	LF	1,386.00	28.00	38,808.00			
70	801-00	Construction Staking (Construction Survey)	Day	-2.50	1,250.00	-3,125.00			

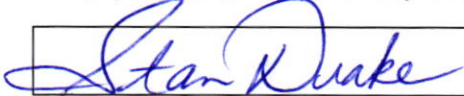


## Cost Reasonableness Certification

Project Name	SE 4th St Trail	
Work Order Number	I-07-E-URG	Date 4/11/2017

Line Item	Contract Amount	Industry Standard	Vendor
Drainage	\$ 171,530.00	Plan of Proposed Pedestrian Improvement SE 4th St. Trails from Tower Dr to Bryant Ave.	CEC Infrastructure Solutions
Paving	\$ 498,265.46	Plan of Proposed Pedestrian Improvement SE 4th St. Trails from Tower Dr to Bryant Ave.	CEC Infrastructure Solutions
Traffic	\$ 189,740.00	Plan of Proposed Pedestrian Improvement SE 4th St. Trails from Tower Dr to Bryant Ave.	CEC Infrastructure Solutions
Mobilization	\$ 60,722.37	Plan of Proposed Pedestrian Improvement SE 4th St. Trails from Tower Dr to Bryant Ave.	CEC Infrastructure Solutions
Replacement of Cast Iron Hood	\$ 1,800.00	Engineer Concurrence	CEC Infrastructure Solutions
Irrigation Repair	\$ 1,440.00	Engineer Concurrence	CEC Infrastructure Solutions
Pedestrian Push Button Control Unit	\$ 4,687.00	Plan of Proposed Pedestrian Improvement SE 4th St. Trails from Tower Dr to Bryant Ave.	CEC Infrastructure Solutions
<b>Total</b>	<b>\$ 928,184.83</b>		

**Certification:** The Project Supervisor (PS) of the City of Moore, Oklahoma certifies that the Cost Reasonableness summary provided above for the stated project is accurate, complete, and in conformance with Office of Management and Budget requirements on the date certified.



Stan Drake, Project Supervisor

Signature

4/11/2017

Date





August 9, 2017

Jared Jakubowski  
Capital Planning and Resiliency  
City of Moore  
301 N. Broadway  
Moore, OK 73160

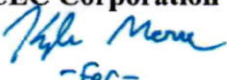
Re: I-07-E-URG  
SE 4<sup>th</sup> Street Trails  
Letter of Cost Reasonableness

Dear Jared,

After reviewing the Change Order/Work Amendments, it was determined that the work and cost was fair and reasonable.

Should you have any questions or require any additional information please feel free to give me a call.

Sincerely,  
**CEC Corporation**

  
-for-  
Felicia C. Jackson, P.E.

Enclosures



**Project I-07-W-URG Explanation of overages and added items:**

**Overages:**

Item 305-01 Curb & Gutter – City project manager instructed us to remove and replace entire curb radius at driveways and intersection ramps in order to comply with ADA. This added quantity not included in original budget.

Item 812-02 Curb Removal – Same explanation as 305-01 for curb replacement.

Item 812-00, 01 Sidewalk Removal – Existing sidewalk was removed further back on the radius than shown on the plans per project manager's instructions. Widths of existing sidewalk varied from plan width shown.

Item 812-04 Asphalt Pavement Removal - Additional asphalt removed at school entrance. Not included in original budget.

Item 830-00, 01 Wheelchair Ramps – Increased quantity due to field modification (enlarged) of ramps per city project manager's instructions. This also increased the tactile dome quantity.

Item 840-04 Sodding – Quantity overran due to additional areas disturbed by extra sidewalk and driveway construction.

Item 404-01 Class A Concrete – This item was invoiced in error and will be credited on upcoming billing.

Item 626-04 Handrail – Quantity exceeded estimate due to instruction from City project manager to extend rail beyond the existing RCB box.

No Item Replace Cast Iron Hoods – Quantity exceeded estimate per project manager. He felt existing hoods too damaged to leave in place.

Item 713-10, 11 3" Conduit Trenched – Overrun is in error. 65' of trenched conduit should have been invoiced as 65' of bored conduit. Correct total should be 10'. Will be corrected on upcoming billing. The quantity of 3" bored conduit will reflect new total of 155'. The 3" bored item was underestimated on original budget.

Item 729-00 Sheet Aluminum Signs – Actual construction required additional signage be installed in school zone.

**Added Items**

Item 813-00 Remove Driveway – Exceeded quantities because project manager had us go back to the property line instead of stopping at the approach.

Item 200-00 Unclassified Excavation >500 – Item added when quantity exceeded that allowed by original line item 0-200. Change in sidewalk elevations added to excavated material quantity.

Item 225-03 Aggregate Base Type A – Item added as required by PCC Pavement construction.

Item 304-04 PCC Concrete Pavement – Item wasn't included in original budget.

Item 305-04 Integral Curb 8" – Item added per project manager where sidewalks were lower than adjacent property.

No Item Irrigation Repair at Admin Building – Existing irrigation system found to be in conflict with new sidewalk.

No Item Ped Push Button Control Unit – Item not on original proposal. Overlooked in price of the item for the push button itself.