



CDBG-DR 13 CHANGE ORDER OR WORK ORDER AMENDMENT





Project Information					
Project Name	Plaza Tower Street Repair				
Work Order Number (CDBG-DR 01)	I-02-W-URG	Project Address	Eagle Dr, SW 10 th , Ridgeway DR, SW 8 th , Cardan Pl.		
Date	3/28/2016	Requested By	Rudy Construction		
Date Requested	3/25/2016	Total Budget	\$3,698,780.98	Cost of Change	\$937,706.97

Change Order Type - Description					
Circle Type:	Field	Change	Work Order Amendment		
Budget Line Items Affected: (List All)					
Non Bid Item: Street Parking Lot Lighting/Infrastructure	\$ 50,000.00				
Non Bid Item: Seeding in lieu of sodding	\$ 32,350.05				
Mobilization	\$ 61,345.32				
Trench Excavation & Backfill 0-10'	\$30.00 CY	Quantity: 2158		Total: \$64,740.00	
Structural Excavation	\$30.00 CY	Quantity: 714		Total: \$21,420.00	
Rock Backfill	\$40.00 Ton	Quantity: 612		Total: \$24,480.00	
Fly Ash	\$100.00 Ton	Quantity: 290		Total: \$29,000.00	
Cementitious Stabilized Subgrade	\$5.00 SY	Quantity: 5379		Total: \$26,895.00	
Integral Curb (6 inches)	\$10.00 LF	Quantity: 3283		Total: \$32,830.00	

Reinforced Concrete Pipe 36"	\$150.00 LF	Quantity: 777	Total: \$116,550.00
Reinforced Concrete Pipe 18" O-Ring	\$85.00 LF	Quantity: 31	Total: \$2,635.00
Reinforced Concrete Pipe 36" O-Ring	\$160.00 LF	Quantity: 75	Total: \$12,000.00
Reinforced Concrete Pipe End Section 36"	\$2,100 each	Quantity: 1	Total: \$2,100.00
Manhole 4' Dia.	\$3,500 each	Quantity: 1	Total: \$3,500.00
Manhole 6' Dia.	\$4,500 each	Quantity: 2	Total: \$9,000.00
Design 2-1 Inlet Complete in Place	\$4,500.00	Quantity: 1	Total: \$4,500.00
Box Type Inlet (4' x 4')	\$2,500 each	Quantity: 1	Total: \$2,500.00
Setting New Manhole Ring & Cover	\$750 each	Quantity: 3	Total: \$2,250.00
Sheet Aluminum Sign Panels	\$30.00 each	Quantity: 57	Total: \$1,710.00
Square Steel Sign Post	\$115 each	Quantity: 9	Total: \$1,035.00
Traffic Stripe (Plastic) (4" wide)	\$1.20 LF	Quantity: 3603	Total: \$4,323.60
Traffic Stripe (Plastic Tape) Symbol	\$350 each	Quantity: 3	Total: \$1,050.00
12" Wide Crosswalk Striping	\$7.50 LF	Quantity: 208	Total: \$1,560.00
Construction Signs (33.0 SF & Over)	\$2.25 SD	Quantity: 400	Total: \$900.00
Wheelchair Ramp	\$100.00 SY	Quantity: 11	Total: \$1,100.00
Tactile Markers/ Truncated Domes	\$25.00 SF	Quantity: 60	Total: \$1,500.00
Filter Fabric Silt Fence	\$2.00 LF	Quantity: 525	Total: \$1,050.00
Construction Entrance	\$250 each	Quantity: 2	Total: \$500.00
Unclassified Excavation (>500 CY)	\$15.00 CY	Quantity: 4987	Total: \$74,805.00
Crushed Rock Foundation	\$70.00 CY	Quantity: 10,445	Total: \$12,250.00
Portland Cement Concrete Pavement (6")(>500CY)	\$55.00 SY	Quantity: 5121	Total: \$281,655.00
Sidewalk (5')	\$55.00 SY	Quantity: 482	Total: \$26,510.00
Reinforced Concrete Pipe (18 in)	\$70.00 LF	Quantity: 100	Total: \$7,000.00
Design 2-0 Inlet Complete in Place	\$4000 each	Quantity: 1	Total: \$4000.00
Grated Street Inlet	\$17,500 each	Quantity: 1	Total: \$17,500.00
Construction Barricades	\$10.00 SD	Quantity: 400	Total: \$4,000.00
Warning Lights (Type A)	\$1.00 SD	Quantity : 800	Total: \$800.00
Survey & Staking as Needed	\$1,250 each	Quantity: 1	Total: \$1,250.00
Solid Slab Sodding (U-3 Bermuda)	\$3.00 SY	Decreased by 1629 units	Decreased the total of \$4,887.00

Change Description	Seeding in lieu of sodding and Street Parking Lot Lighting/Infrastructure were not bid because they are not standard bid items. They are items unique to this project.
	Engineering was revised for storm sewer and park road, increasing quantities of concrete. Revisions were needed to mitigate flooding and improve access to park.

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	
Work Order Amendment			
Work Order Amendment Authorization ONLY Vendor Signature		Date	3/28/2016
Work Order Amendment Authorization ONLY Project Manager Signature	<i>Jim Deal</i>	Date	3/28/2016
Work Order Amendment Authorization ONLY Project Supervisor Signature	<i>Stan Drake</i>	Date	3/28/2016
Work Order Amendment Authorization ONLY CDBG Manager		Date	3/28/2016

OKC Spec	Pay Item	Description	Unit	Unit Price	Est. Qty	Total
200	00	Unclassified Excavation (>500 C.Y.)	C.Y.	\$ 15.00	16322	\$ 244,830.00
213	01	Crushed Rock Foundation	C.Y.	\$ 70.00	5310	\$ 371,700.00
304	04	Portland Cement Concrete Pavement (6")(>500 S.Y.)	S.Y.	\$ 55.00	23136	\$ 1,272,480.00
305	00	Curb & Gutter (2'-8")(6" Barrier>(>500')	L.F.	\$ 20.00	14198	\$ 283,960.00
812	02	Remove Curb & Gutter	L.F.	\$ 7.00	10748	\$ 75,236.00
812	03	Concrete Pavement Removal	S.Y.	\$ 10.00	12850	\$ 128,500.00
813	00	Remove Driveway	S.Y.	\$ 10.00	2973	\$ 29,730.00
820	01	Sawcut Pavement	L.F.	\$ 4.00	650	\$ 2,600.00
823	00	Sidewalk (5')	S.Y.	\$ 55.00	1149	\$ 63,195.00
823	03	6" P.C. Conc. Driveay (HES)	S.Y.	\$ 65.00	2973	\$ 193,245.00
824	01	Temporary Surface Course (TBSC)	Ton	\$ 40.00	364	\$ 14,560.00
840	04	Solid Slab Sodding (U-3 Bermuda)	S.Y.	\$ 3.00	4791	\$ 14,373.00
453	00	Reinforced Concrete Pipe (18 Inches)	L.F.	\$ 70.00	275	\$ 19,250.00
454	34	Design 2-0 Inlet Complete in Place	Ea.	\$ 4,000.00	2	\$ 8,000.00
454	63	Grated Street Inlet (26' Wide)	Ea.	\$ 17,500.00	3	\$ 52,500.00
811	16	Structure Removal (Concrete Flume) RCP	L.F.	\$ 15.00	745	\$ 11,175.00
740	09	Construction Barricades (Type III)	S.D.	\$ 10.00	2200	\$ 22,000.00
740	10	Warning Lights (Type A)	S.D.	\$ 1.00	4400	\$ 4,400.00
740	14	Channelizers Cones	S.D.	\$ 1.50	9000	\$ 13,500.00
453	04	Reinforced Concrete Pipe (48 Inches)	L.F.	\$ 240.00	570	\$ 136,800.00
454	30	Junction Box (6' x 6') - 3ea	C.Y.	\$ 850.00	9	\$ 7,650.00
		Mailbox Remove & Replace	EA	\$ 500.00	54	\$ 27,000.00
		Survey & Staking, as needed	EA	\$ 1,250.00	6	\$ 7,500.00
		CCTV Inspection	LF	\$ 2.00	571	\$ 1,142.00

No Item	No Item	Street Parking Lot Lighting/Infrastructure	LS	\$ 50,000.00	1	\$ 50,000.00
212	01	Trench Excavation & Backfill, 0-10'	CY	\$ 30.00	2158	\$ 64,740.00
212	07	Structural Excavation	CY	\$ 30.00	714	\$ 21,420.00
215	08	Rock Backfill	Ton	\$ 40.00	612	\$ 24,480.00
222	01	Fly Ash	Ton	\$ 100.00	290	\$ 29,000.00
222	05	Cementitious Stabilized Subgrade	SY	\$ 5.00	5379	\$ 26,895.00
305	02	Integral Curb (6 inches) >500'	LF	\$ 10.00	3283	\$ 32,830.00
453	02	Reinforced Concrete Pipe (36")	LF	\$ 150.00	777	\$ 116,550.00
453	12	Reinforced Concrete Pipe 18" O-Ring	LF	\$ 85.00	31	\$ 2,635.00
453	14	Reinforced Concrete Pipe 36" O-Ring	LF	\$ 160.00	75	\$ 12,000.00
453	33	Reinforced Concrete Pipe End Section (36")	EA	\$ 2,100.00	1	\$ 2,100.00
454	01	Manhole 4' Dia.	EA	\$ 3,500.00	1	\$ 3,500.00
454	03	Manhole 6' Dia.	EA	\$ 4,500.00	2	\$ 9,000.00
454	37	Design 2-1 Inlet Complete in Place	EA	\$ 4,500.00	1	\$ 4,500.00
454	66	Box Type Inlet (4' x 4')	EA	\$ 2,500.00	1	\$ 2,500.00
460	00	Setting New Manhole Ring & Cover	EA	\$ 750.00	3	\$ 2,250.00
729	00	Sheet Aluminum Sign Panels	SF	\$ 30.00	57	\$ 1,710.00
733	00	Square Steel Sign Post	EA	\$ 115.00	9	\$ 1,035.00
735	00	Traffic Stripe (Plastic) (4" wide)	LF	\$ 1.20	3603	\$ 4,323.60
736	04	Traffic Stripe (Plastic Tape) Symbol	EA	\$ 350.00	3	\$ 1,050.00
737	00	12" Wide Crosswalk Striping	LF	\$ 7.50	208	\$ 1,560.00
740	06	Construction Signs (33.0 SF and Over)	SD	\$ 2.25	400	\$ 900.00
830	00	Wheelchair Ramp	SY	\$ 100.00	11	\$ 1,100.00
830	01	Tactile Markers / Truncated Domes	SF	\$ 25.00	60	\$ 1,500.00
90	03	Filter Fabric Silt Fence	LF	\$ 2.00	525	\$ 1,050.00
900	10	Construction Entrance	EA	\$ 250.00	2	\$ 500.00
No Item	No Item	Seeding in lieu of sodding	SY	\$ 1.35	23963	\$ 32,350.05

Mobilization \$ 241,976.33

Estimated Total This W.O. - REVISED 3-25-16 \$ 3,698,780.98

Cost Reasonableness Certification

Project Name	Plaza Towers Street Repair	
Work Order Number	I-02-W-URG	Date 3/28/2016

Line Item	Contract Amount	Industry Standard	Vendor
Drainage	\$ 390,410.00	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea PT5	Cardinal Engineering
Paving	\$ 2,897,924.00	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea PT5	Cardinal Engineering
Traffic	\$ 50,478.60	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea PT5	Cardinal Engineering
Mailbox Remove and Replace	\$ 27,000.00	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea PT5	Cardinal Engineering
Survey & Staking	\$ 7,500.00	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea PT5	Cardinal Engineering
CCTV Inspection	\$ 1,142.00	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea PT5	Cardinal Engineering
Mobilization	\$ 241,976.33	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea PT5	Cardinal Engineering
Street Parking Lot/Lighting	\$ 50,000.00	Little River Park Roadway: Grading, Drainage, Surfacing, & Erosion Control Engineering Plans	Cabbiness Engineering
Seeding in lieu of sodding	\$ 32,350.05	City of Moore Standard	City Of Moore
Total	\$ 3,698,780.98		

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

3/28/2016

Date



AS OF 28AMARCH17
CHANGE CHANGE
ORDER ORDER

Pay Item #	Item Description	Unit	Estimated Quantity	Unit Price	Estimated Cost	(D*E)	01	02	(I-F)
						Quantity Changed by	Quantity Changed by	TOTAL QUANTITY TO DATE	
200-00	Unclassified Excavation (>500 CY)	CY	11,335.00	15.00	170,025.00	4,987.00			4,987.00
213-03	Crushed Rock Foundation (Crusher Run)(1.5")	CY	5,135.00	70.00	359,450.00	175.00			175.00
304-04	Portland Cement Conc. Pavement (6")(>500)	SY	18,015.00	55.00	990,825.00	5,121.00			5,121.00
305-00	Curb & Gutter (2'-8")(6" Barrier)(>500')	LF	14,198.00	20.00	283,960.00				0.00
812-02	Remove Curb & Gutter	LF	10,748.00	7.00	75,236.00				0.00
812-03	Concrete Pavement Removal	SY	12,850.00	10.00	128,500.00				0.00
813-00	Remove Driveway	SY	2,973.00	10.00	29,730.00				0.00
820-01	Sawcut Pavement	LF	650.00	4.00	2,600.00				0.00
823-00	Sidewalk (5')	SY	667.00	55.00	36,685.00	482.00			482.00
823-03	6" PC Conc. Driveway (HES)	SY	2,973.00	65.00	193,245.00				0.00
824-01	Temporary Surface Course (TBSC)	Ton	364.00	40.00	14,560.00				0.00
840-04	Solid Slab Sodding (U-3 Bermuda)	SY	6,420.00	3.00	19,260.00	-1,629.00			-1,629.00
453-00	Reinforced Concrete Pipe (18")	LF	175.00	70.00	12,250.00	100.00			100.00
454-34	Design 2-0 Inlet Complete in Place	EA	1.00	4,000.00	4,000.00	1.00			1.00
454-63	Grated Street Inlet (26' Wide)	EA	2.00	17,500.00	35,000.00	1.00			1.00
811-16	Structure Removal (RCP)	LF	745.00	15.00	11,175.00				0.00
740-09	Construction Barricades (Type III)	SD	1,800.00	10.00	18,000.00	400.00			400.00
740-10	Warning Lights (Type A)	SD	3,600.00	1.00	3,600.00	800.00			800.00
740-14	Channelizer Cones	SD	9,000.00	1.50	13,500.00				0.00
453-04	Reinforced Concrete Pipe (48")	LF	570.00	240.00	136,800.00				0.00
454-30	Junction Box (6' x 6')	CY	9.00	850.00	7,650.00				0.00
	Mailbox Remove & Replace	EA	54.00	500.00	27,000.00				0.00
	Survey & Staking as needed	EA	5.00	1,250.00	6,250.00	1.00			1.00
	CCTV Inspection	LF	571.00	2.00	1,142.00				0.00

Change Order 3-28-2016								
200-00	Unclassified Excavation (>500 CY)	CY	4,987.00	15.00	74,805.00			
213-03	Crushed Rock Foundation (Crusher Run)(1.5")	CY	175.00	70.00	12,250.00			
304-04	Portland Cement Conc. Pavement (6")(>500)	SY	5,121.00	55.00	281,655.00			
823-00	Sidewalk (5')	SY	482.00	55.00	26,510.00			
840-04	Solid Slab Sodding (U-3 Bermuda)	SY	-1,629.00	3.00	-4,887.00			
453-00	Reinforced Concrete Pipe (18")	LF	100.00	70.00	7,000.00			
454-34	Design 2-0 Inlet Complete in Place	EA	1.00	4,000.00	4,000.00			
454-63	Grated Street Inlet (26' Wide)	EA	1.00	17,500.00	17,500.00			
740-09	Construction Barricades (Type III)	SD	400.00	10.00	4,000.00			
740-10	Warning Lights (Type A)	SD	800.00	1.00	800.00			
	Survey & Staking as needed	EA	1.00	1,250.00	1,250.00			
	Street Parking Lot Lighting/Infrastructure	LS	1.00	50,000.00	50,000.00			
212-01	Trench Excavation & Backfill, 0-10'	CY	2,158.00	30.00	64,740.00			
212-07	Structural Excavation	CY	714.00	30.00	21,420.00			
215-08	Rock Backfill	Ton	612.00	40.00	24,480.00			
222-01	Fly Ash	Ton	290.00	100.00	29,000.00			
222-05	Cementitious Stabilized Subgrade	SY	5,379.00	5.00	26,895.00			
305-02	Integral Curb (6") >500'	LF	3,283.00	10.00	32,830.00			
453-02	Reinforced Concrete Pipe (36")	LF	777.00	150.00	116,550.00			
453-12	Reinforced Concrete Pipe 18" O-Ring	LF	31.00	85.00	2,635.00			
453-14	Reinforced Concrete Pipe 36" O-Ring	LF	75.00	160.00	12,000.00			
453-33	Reinforced Concrete Pipe End Section (36")	EA	1.00	2,100.00	2,100.00			
454-01	Manhole 4' Dia	EA	1.00	3,500.00	3,500.00			
454-03	Manhole 6' Dia	EA	2.00	4,500.00	9,000.00			
454-37	Design 2-1 inlet Complete in Place	EA	1.00	4,500.00	4,500.00			

Pay Item # (Column A)	Item Description (Column B)	Unit (C)	Estimated Quantity (D)	Unit Price (E)	(D*E)	Quantity Used (G)	(G-D)	(G*E)	(I-F)
					Estimated Cost (F)		Difference in Quantity (H)	Cost for Project (I)	Difference in Cost (J)
200-00	Unclassified Excavation (>500 CY)	CY	11,335.00	15.00	170,025.00	16,322.00	4,987.00	244,830.00	74,805.00
213-03	Crushed Rock Foundation (Crusher Run)(1.5")	CY	5,135.00	70.00	359,450.00	5,310.00		371,700.00	
304-04	Portland Cement Conc. Pavement (6")(>500)	SY	18,015.00	55.00	990,825.00	23,136.00		1,272,480.00	
305-00	Curb & Gutter (2'-8")(6" Barrier)(>500')	LF	14,198.00	20.00	283,960.00	14,198.00		283,960.00	
812-02	Remove Curb & Gutter	LF	10,748.00	7.00	75,236.00	10,748.00	0.00	75,236.00	0.00
812-03	Concrete Pavement Removal	SY	12,850.00	10.00	128,500.00	12,850.00	0.00	128,500.00	0.00
813-00	Remove Driveway	SY	2,973.00	10.00	29,730.00	2,973.00	0.00	29,730.00	0.00
820-01	Sawcut Pavement	LF	650.00	4.00	2,600.00	650.00	0.00	2,600.00	0.00
823-00	Sidewalk (5')	SY	667.00	55.00	36,685.00	1,149.00		63,195.00	
823-03	6" PC Conc. Driveway (HES)	SY	2,973.00	65.00	193,245.00	2,973.00	0.00	193,245.00	0.00
824-01	Temporary Surface Course (TBSC)	Ton	364.00	40.00	14,560.00	364.00	0.00	14,560.00	0.00
840-04	Solid Slab Sodding (U-3 Bermuda)	SY	6,420.00	3.00	19,260.00	4,791.00	-1,629.00	14,373.00	-4,887.00
453-00	Reinforced Concrete Pipe (18")	LF	175.00	70.00	12,250.00	275.00		19,250.00	
454-34	Design 2-0 Inlet Complete in Place	EA	1.00	4,000.00	4,000.00	2.00		8,000.00	
454-63	Grated Street Inlet (26' Wide)	EA	2.00	17,500.00	35,000.00	3.00		52,500.00	
811-16	Structure Removal (RCP)	LF	745.00	15.00	11,175.00	745.00		11,175.00	
740-09	Construction Barricades (Type III)	SD	1,800.00	10.00	18,000.00	2,200.00		22,000.00	
740-10	Warning Lights (Type A)	SD	3,600.00	1.00	3,600.00	4,400.00		4,400.00	
740-14	Channelizer Cones	SD	9,000.00	1.50	13,500.00	9,000.00		13,500.00	
453-04	Reinforced Concrete Pipe (48")	LF	570.00	240.00	136,800.00	570.00	0.00	136,800.00	0.00
454-30	Junction Box (6' x 6')	CY	9.00	850.00	7,650.00	9.00	0.00	7,650.00	0.00
	Mailbox Remove & Replace	EA	54.00	500.00	27,000.00	54.00		27,000.00	
	Survey & Staking as needed	EA	5.00	1,250.00	6,250.00	6.00	1.00	7,500.00	1,250.00
	CCTV Inspection	LF	571.00	2.00	1,142.00	571.00		1,142.00	
	Little River Park Road					0.00		0.00	
	Street Parking Lot Lighting/Infrastructure	LS	0.00	50,000.00	0.00	1.00	1.00	50,000.00	50,000.00
212-01	Trench Excavation & Backfill, 0-10'	CY	0.00	30.00	0.00	2,158.00		64,740.00	
212-07	Structural Excavation	CY	0.00	30.00	0.00	714.00		21,420.00	
215-08	Rock Backfill	Ton	0.00	40.00	0.00	612.00	612.00	24,480.00	24,480.00
222-01	Fly Ash	Ton	0.00	100.00	0.00	290.00	290.00	29,000.00	29,000.00
222-05	Cementitious Stabilized Subgrade	SY	0.00	5.00	0.00	5,379.00		26,895.00	
305-02	Integral Curb (6") >500'	LF	0.00	10.00	0.00	3,283.00		32,830.00	
453-02	Reinforced Concrete Pipe (36")	LF	0.00	150.00	0.00	777.00		116,550.00	
453-12	Reinforced Concrete Pipe 18" O-Ring	LF	0.00	85.00	0.00	31.00	31.00	2,635.00	2,635.00
453-14	Reinforced Concrete Pipe 36" O-Ring	LF	0.00	160.00	0.00	75.00		12,000.00	
453-33	Reinforced Concrete Pipe End Section (36")	EA	0.00	2,100.00	0.00	1.00		2,100.00	
454-01	Manhole 4' Dia	EA	0.00	3,500.00	0.00	1.00		3,500.00	
454-03	Manhole 6' Dia	EA	0.00	4,500.00	0.00	2.00		9,000.00	

