



# CDBG-DR 13 CHANGE ORDER OR WORK ORDER AMENDMENT



### Project Information

<b>Project Name</b>	Telephone Road South				
<b>Work Order Number (CDBG-DR 01)</b>	I-05-W-LMA	<b>Project Address</b>	Telephone Rd from SW 4 <sup>th</sup> St to SW 19 <sup>th</sup> St		
<b>Date</b>	11/17/2017	<b>Requested By</b>	Silver Star Construction		
<b>Date Requested</b>	11/16/2017	<b>Total Budget</b>	\$1,177,263.54	<b>Cost of Change</b>	\$27,000.00

### Change Order Type - Description

<b>Circle Type:</b>	Field	Change	Work Order Amendment	
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**Budget Line Items Affected: (List All)**

**Added Item:**

Aggregate Footing - \$14.50/LF, Quantity 240, Total \$3,480.00  
 #57 Stone Backfill – Lump sum of \$3,520.00  
 Segmental Wall Block in Place - \$20/SF, Quantity 1,000, Total \$20,000.00

<b>Change Description</b>	<p>The construction of the wall is to cover a high pressure gas line the contractor uncovered by mistake. Oklahoma Natural Gas reported that it was buried deeper in the ground than it actually was. The wall and gas line are located in between the north drive of Walmart and the south drive of Lowe's.</p>
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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	11/17/17
Change Order Authorization ONLY Project Manager Signature		Date	11/17/17
Change Order Authorization ONLY Project Supervisor Signature		Date	11/17/17
Contract Amendment			
Work Order Amendment Authorization ONLY Vendor Signature		Date	
Work Order Amendment Authorization ONLY Project Manager Signature		Date	
Work Order Amendment Authorization ONLY Project Supervisor Signature		Date	
Contract Amendment Authorization ONLY CDBG Manager		Date	

	A	B	C	D	E	F	G	H
1	PAGE ONE: History of Changes Occurring							
2								
3								
						(D*E)	CHANGE ORDER 01	(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>TOTAL QUANTITY TO DATE</b>
5	200-00	Unclassified Excavation	CY	2,088.00	21.75	45,414.00		2,088.00
6	900-03	Filter Fabric	LF	3,283.00	1.60	5,252.80		3,283.00
7	900-02	Rock Bag Inlet Barrier	LF	120.00	10.70	1,284.00		120.00
8	840-04	Solid Slab Sodding (U-3 Bermuda)	SY	6,131.00	2.15	13,181.65		6,131.00
9	225-00	Aggregate Base Type A	CY	1,472.00	50.00	73,600.00		1,472.00
10	313-00	Tack Coat	GAL	619.00	2.50	1,547.50		619.00
11	313-01	Prime Coat	GAL	3,206.00	2.90	9,297.40		3,206.00
12	301-28	Superpave, Type A (PG 64-22 OK)	TON	987.00	65.70	64,845.90		987.00
13	301-32	Superpave, Type B (PG 70-28OK)	TON	596.00	68.20	40,647.20		596.00
14	309-00	Cold Milling Pavement	SY	2,948.00	2.35	6,927.80		2,948.00
15	304-04	PC Concrete Pavement (6")	SY	3,909.00	35.30	137,987.70		3,909.00
16	305-04	Concrete Curb (8" Barrier-Integral)	LF	2,051.00	8.50	17,433.50		2,051.00
17	305-12	1'8" Comb. Curb & Gutter (8" Barrier)	LF	1,092.00	16.25	17,745.00		1,092.00
18	823-00	4" Concrete Sidewalk	SY	1,897.00	44.00	83,468.00		1,897.00
19	823-03	6" Concrete Sidewalk	SY	1,313.00	42.00	55,146.00		1,313.00
20	830-01	Tactile Warning Device	SF	40.00	14.00	560.00		40.00
21	454-38	Inlet CI Des 2-2	EA	1.00	4,485.00	4,485.00		1.00
22	454-72	Inlet CI Des 2-4	EA	3.00	6,600.00	19,800.00		3.00
23	459-01	Manholes Adjust to Grade	EA	3.00	1,000.00	3,000.00		3.00
24	520-03	Valve Boxes Adjust to Grade	EA	14.00	265.00	3,710.00		14.00
25	819-08	Meter Boxes Adjust to Grade	EA	2.00	375.00	750.00		2.00
26	516-02	Fire Hydrant Reset	EA	3.00	1,600.00	4,800.00		3.00
27	812-02	Removal of Curb & Gutter	LF	2,765.00	4.25	11,751.25		2,765.00
28	812-03	Removal of Concrete Pavement	SY	2,384.00	9.00	21,456.00		2,384.00
29	812-04	Removal of Asphalt Pavement	SY	1,418.00	4.25	6,026.50		1,418.00
30	811-05	Removal of Drainage Inlets	EA	4.00	1,175.00	4,700.00		4.00
31	812-01	Removal of Sidewalk	SY	724.00	5.00	3,620.00		724.00

	A	B	C	D	E	F	G	H
32	820-01	Sawing Pavement	LF	3,495.00	2.40	8,388.00		3,495.00
33	801-00	Construction Staking	LSUM	1.00	15,000.00	15,000.00		1.00
34	809-00	Mobilization	LSUM	1.00	119,345.00	119,345.00		1.00
35	802-00	Construction Traffic Control	LSUM	1.00	11,705.00	11,705.00		1.00
36	725-00	Structural Concrete	CY	0.50	321.00	160.50		0.50
37	729-00	Sheet Aluminum Signs	SF	44.00	30.00	1,320.00		44.00
38	729-11	Remove Existing Signs	EA	1.00	187.00	187.00		1.00
39	732-00	Galvanized Steel Sign Post	LF	98.00	16.00	1,568.00		98.00
40	741-SP	Traffic Stripe (Multipolymer)(4" Wide)	LF	7,090.00	0.80	5,672.00		7,090.00
41	741-SP	Traffic Stripe (Multipolymer)(8" Wide)	LF	305.00	1.20	366.00		305.00
42	741-SP	Traffic Stripe (Multipolymer)(24" Wide)	LF	285.00	8.55	2,436.75		285.00
43	741-SP	Traffic Stripe (Multipolymer)(Arrow)(Single)	EA	17.00	90.85	1,544.45		17.00
44	711-00	Vehicle Actuated Traffic Signal Controller	EA	1.00	18,850.00	18,850.00		1.00
45	711-01	Video Detection System (SP)	LSUM	1.00	21,885.00	21,885.00		1.00
46	712-01	EPS Optical Detector	EA	2.00	534.50	1,069.00		2.00
47	712-02	EPS 4 Channel Phase Selector	EA	1.00	3,495.60	3,495.60		1.00
48	713-08	2" Traffic Signal Conduit (Trenched)	LF	120.00	6.40	768.00		120.00
49	713-10	3" Traffic Signal Conduit (Trenched)	LF	60.00	8.55	513.00		60.00
50	713-11	3" Traffic Signal Conduit (Bored)	LF	150.00	26.75	4,012.50		150.00
51	714-00	(21) Conductor Traffic Signal Electrical Cable	LF	300.00	4.30	1,290.00		300.00
52	714-01	Two Conductor Shielded Loop Detector Lead in Cable	LF	25.00	1.10	27.50		25.00
53	714-02	(1/C) (AWG #6) Electrical Conductor	LF	200.00	2.15	430.00		200.00
54	714-04	(5) Conductor Traffic Signal Electrical Cable	LF	1,345.00	2.95	3,967.75		1,345.00
55	714-07	(7) Conductor Traffic Signal Electrical Cable	LF	60.00	3.25	195.00		60.00
56	715-01	Three (3) Section Traffic Signal Head	EA	6.00	641.40	3,848.40		6.00
57	715-02	Four (4) Section Traffic Signal Head	EA	1.00	801.75	801.75		1.00
58	717-00	Pedestrian Signal Head	EA	4.00	481.05	1,924.20		4.00
59	722-00	Pedestrian Push Button and Sign	EA	4.00	1,603.50	6,414.00		4.00
60	724-04	Pole and Specified 25' Mast Arm Installed	EA	1.00	5,831.35	5,831.35		1.00
61	724-05	Pole and Specified 30' Mast Arm Installed	EA	1.00	6,218.30	6,218.30		1.00
62	724-07	Pole and Specified 40' Mast Arm Installed	EA	1.00	8,340.00	8,340.00		1.00
63	724-68	Pedestal Pile with 10' Mounting Height	EA	2.00	801.75	1,603.50		2.00
64	725-00	Structural Concrete	CY	8.00	534.50	4,276.00		8.00
65	725-01	Reinforcing Steel	LBS	1,208.00	1.35	1,630.80		1,208.00
66	726-00	Pull Box Type I	EA	2.00	427.60	855.20		2.00



	A	B	C	D	E	F	G	H	I	J
1	PAGE TWO: Sum of Changes as of 16 Aug 2017		Original Contract				AS OF 16AUG17			
2						(D*E)		(G-D)	(G*E)	(I-F)
3	Pay Item # (Column A)	Item Description (Column B)	Unit (C)	Estimated Quantity (D)	Unit Price (E)	Estimated Cost (F)	Quantity Used (G)	Difference in Quantity (H)	Cost for Project (I)	Difference in Cost (J)
4	200-00	Unclassified Excavation	CY	2,088.00	21.75	45,414.00	2,088.00	0.00	45,414.00	0.00
5	900-03	Filter Fabric	LF	3,283.00	1.60	5,252.80	3,283.00	0.00	5,252.80	0.00
6	900-02	Rock Bag Inlet Barrier	LF	120.00	10.70	1,284.00	120.00	0.00	1,284.00	0.00
7	840-04	Solid Slab Sodding (U-3 Bermuda)	SY	6,131.00	2.15	13,181.65	6,131.00	0.00	13,181.65	0.00
8	225-00	Aggregate Base Type A	CY	1,472.00	50.00	73,600.00	1,472.00	0.00	73,600.00	0.00
9	313-00	Tack Coat	GAL	619.00	2.50	1,547.50	619.00	0.00	1,547.50	0.00
10	313-01	Prime Coat	GAL	3,206.00	2.90	9,297.40	3,206.00	0.00	9,297.40	0.00
11	301-28	Superpave, Type A (PG 64-22 OK)	TON	987.00	65.70	64,845.90	987.00	0.00	64,845.90	0.00
12	301-32	Superpave, Type B (PG 70-28OK)	TON	596.00	68.20	40,647.20	596.00	0.00	40,647.20	0.00
13	309-00	Cold Milling Pavement	SY	2,948.00	2.35	6,927.80	2,948.00	0.00	6,927.80	0.00
14	304-04	PC Concrete Pavement (6")	SY	3,909.00	35.30	137,987.70	3,909.00	0.00	137,987.70	0.00
15	305-04	Concrete Curb (8" Barrier-Integral)	LF	2,051.00	8.50	17,433.50	2,051.00	0.00	17,433.50	0.00
16	305-12	1'8" Comb. Curb & Gutter (8" Barrier)	LF	1,092.00	16.25	17,745.00	1,092.00	0.00	17,745.00	0.00
17	823-00	4" Concrete Sidewalk	SY	1,897.00	44.00	83,468.00	1,897.00	0.00	83,468.00	0.00
18	823-03	6" Concrete Sidewalk	SY	1,313.00	42.00	55,146.00	1,313.00	0.00	55,146.00	0.00
19	830-01	Tactile Warning Device	SF	40.00	14.00	560.00	40.00	0.00	560.00	0.00
20	454-38	Inlet CI Des 2-2	EA	1.00	4,485.00	4,485.00	1.00	0.00	4,485.00	0.00
21	454-72	Inlet CI Des 2-4	EA	3.00	6,600.00	19,800.00	3.00	0.00	19,800.00	0.00
22	459-01	Manholes Adjust to Grade	EA	3.00	1,000.00	3,000.00	3.00	0.00	3,000.00	0.00
23	520-03	Valve Boxes Adjust to Grade	EA	14.00	265.00	3,710.00	14.00	0.00	3,710.00	0.00
24	819-08	Meter Boxes Adjust to Grade	EA	2.00	375.00	750.00	2.00	0.00	750.00	0.00
25	516-02	Fire Hydrant Reset	EA	3.00	1,600.00	4,800.00	3.00	0.00	4,800.00	0.00
26	812-02	Removal of Curb & Gutter	LF	2,765.00	4.25	11,751.25	2,765.00	0.00	11,751.25	0.00
27	812-03	Removal of Concrete Pavement	SY	2,384.00	9.00	21,456.00	2,384.00	0.00	21,456.00	0.00
28	812-04	Removal of Asphalt Pavement	SY	1,418.00	4.25	6,026.50	1,418.00	0.00	6,026.50	0.00
29	811-05	Removal of Drainage Inlets	EA	4.00	1,175.00	4,700.00	4.00	0.00	4,700.00	0.00
30	812-01	Removal of Sidewalk	SY	724.00	5.00	3,620.00	724.00	0.00	3,620.00	0.00
31	820-01	Sawing Pavement	LF	3,495.00	2.40	8,388.00	3,495.00	0.00	8,388.00	0.00
32	801-00	Construction Staking	LSUM	1.00	15,000.00	15,000.00	1.00	0.00	15,000.00	0.00
33	809-00	Mobilization	LSUM	1.00	119,345.00	119,345.00	1.00	0.00	119,345.00	0.00
34	802-00	Construction Traffic Control	LSUM	1.00	11,705.00	11,705.00	1.00	0.00	11,705.00	0.00
35	725-00	Structural Concrete	CY	0.50	321.00	160.50	0.50	0.00	160.50	0.00
36	729-00	Sheet Aluminum Signs	SF	44.00	30.00	1,320.00	44.00	0.00	1,320.00	0.00
37	729-11	Remove Existing Signs	EA	1.00	187.00	187.00	1.00	0.00	187.00	0.00
38	732-00	Galvanized Steel Sign Post	LF	98.00	16.00	1,568.00	98.00	0.00	1,568.00	0.00
39	741-SP	Traffic Stripe (Multipolymer)(4" Wide)	LF	7,090.00	0.80	5,672.00	7,090.00	0.00	5,672.00	0.00
40	741-SP	Traffic Stripe (Multipolymer)(8" Wide)	LF	305.00	1.20	366.00	305.00	0.00	366.00	0.00
41	741-SP	Traffic Stripe (Multipolymer)(24" Wide)	LF	285.00	8.55	2,436.75	285.00	0.00	2,436.75	0.00

	A	B	C	D	E	F	G	H	I	J
42	741-SP	Traffic Stripe (Multipolymer)(Arrow)(Single)	EA	17.00	90.85	1,544.45	17.00	0.00	1,544.45	0.00
43	711-00	Vehicle Actuated Traffic Signal Controller	EA	1.00	18,850.00	18,850.00	1.00	0.00	18,850.00	0.00
44	711-01	Video Detection System (SP)	LSUM	1.00	21,885.00	21,885.00	1.00	0.00	21,885.00	0.00
45	712-01	EPS Optical Detector	EA	2.00	534.50	1,069.00	2.00	0.00	1,069.00	0.00
46	712-02	EPS 4 Channel Phase Selector	EA	1.00	3,495.60	3,495.60	1.00	0.00	3,495.60	0.00
47	713-08	2" Traffic Signal Conduit (Trenched)	LF	120.00	6.40	768.00	120.00	0.00	768.00	0.00
48	713-10	3" Traffic Signal Conduit (Trenched)	LF	60.00	8.55	513.00	60.00	0.00	513.00	0.00
49	713-11	3" Traffic Signal Conduit (Bored)	LF	150.00	26.75	4,012.50	150.00	0.00	4,012.50	0.00
50	714-00	(21) Conductor Traffic Signal Electrical Cable	LF	300.00	4.30	1,290.00	300.00	0.00	1,290.00	0.00
51	714-01	Two Conductor Shielded Loop Detector Lead in Cable	LF	25.00	1.10	27.50	25.00	0.00	27.50	0.00
52	714-02	(1/C) (AWG #6) Electrical Conductor	LF	200.00	2.15	430.00	200.00	0.00	430.00	0.00
53	714-04	(5) Conductor Traffic Signal Electrical Cable	LF	1,345.00	2.95	3,967.75	1,345.00	0.00	3,967.75	0.00
54	714-07	(7) Conductor Traffic Signal Electrical Cable	LF	60.00	3.25	195.00	60.00	0.00	195.00	0.00
55	715-01	Three (3) Section Traffic Signal Head	EA	6.00	641.40	3,848.40	6.00	0.00	3,848.40	0.00
56	715-02	Four (4) Section Traffic Signal Head	EA	1.00	801.75	801.75	1.00	0.00	801.75	0.00
57	717-00	Pedestrian Signal Head	EA	4.00	481.05	1,924.20	4.00	0.00	1,924.20	0.00
58	722-00	Pedestrian Push Button and Sign	EA	4.00	1,603.50	6,414.00	4.00	0.00	6,414.00	0.00
59	724-04	Pole and Specified 25' Mast Arm Installed	EA	1.00	5,831.35	5,831.35	1.00	0.00	5,831.35	0.00
60	724-05	Pole and Specified 30' Mast Arm Installed	EA	1.00	6,218.30	6,218.30	1.00	0.00	6,218.30	0.00
61	724-07	Pole and Specified 40' Mast Arm Installed	EA	1.00	8,340.00	8,340.00	1.00	0.00	8,340.00	0.00
62	724-68	Pedestal Pile with 10' Mounting Height	EA	2.00	801.75	1,603.50	2.00	0.00	1,603.50	0.00
63	725-00	Structural Concrete	CY	8.00	534.50	4,276.00	8.00	0.00	4,276.00	0.00
64	725-01	Reinforcing Steel	LBS	1,208.00	1.35	1,630.80	1,208.00	0.00	1,630.80	0.00
65	726-00	Pull Box Type I	EA	2.00	427.60	855.20	2.00	0.00	855.20	0.00
66	726-01	Pull Box Type II	EA	1.00	481.05	481.05	1.00	0.00	481.05	0.00
67	729-02	Mast Arm Mounted Signs	SF	53.00	53.45	2,832.85	53.00	0.00	2,832.85	0.00
68	741-00	Optical Detector Cable	LF	470.00	1.10	517.00	470.00	0.00	517.00	0.00
69		<b>Add Alternate #1</b>								
70	313-00	Tack Coat	GAL	2,088.92	2.50	5,222.30	2,088.92	0.00	5,222.30	0.00
71	301-06	Asphalt Concrete Type B (PG 70-28 OK)	TON	1,743.07	72.35	126,111.11	1,743.07	0.00	126,111.11	0.00
72	309-00	Cold Milling Pavement (R-34)	SY	15,562.14	1.35	21,008.89	15,562.14	0.00	21,008.89	0.00
73	856-8530	Traffic Stripe (Multipolymer)(Yellow)(4" Wide)	LF	6,677.74	0.90	6,009.97	6,677.74	0.00	6,009.97	0.00
74	856-8530	Traffic Stripe (Multipolymer)(White)(4" Wide)	LF	2,200.00	0.90	1,980.00	2,200.00	0.00	1,980.00	0.00
75	856-8548	Traffic Stripe (Multipolymer)(Yellow)(12" Wide)	LF	745.84	2.70	2,013.77	745.84	0.00	2,013.77	0.00
76	856-8548	Traffic Stripe (Multipolymer)(White)(12" Wide)	LF	448.00	2.70	1,209.60	448.00	0.00	1,209.60	0.00
77	856-8555	Traffic Stripe (Multipolymer)(White)(24" Wide)	LF	185.00	9.65	1,785.25	185.00	0.00	1,785.25	0.00
78	711-01	Video Detection System (SP)	LSUM	1.00	24,250.00	24,250.00	1.00	0.00	24,250.00	0.00
79		<b>Add Alternate #2</b>								
80		Gateway	LSUM	1.00	32,465.00	32,465.00	1.00	0.00	32,465.00	0.00
81		<b>Added Items for Keystone Retaining Wall</b>								
82		Aggregate Footing	LF	0.00	14.50	0.00	240.00	240.00	3,480.00	3,480.00
83		#57 Stone Backfill	LSUM	0.00	3,520.00	0.00	1.00	1.00	3,520.00	3,520.00







November 14, 2017

Mr. Jared Jakubowski  
City of Moore  
301 North Broadway  
Moore, Oklahoma 73160

RE: Change Order No. 1 – I-05-W-LMA

Mr. Jakubowski:

The cost changes submitted by Silver Star Construction dated November 14, 2017 have been reviewed and the costs for added pay items have been found to be reasonable and acceptable. The prices shown in Change Order No. 1 for original bid items were established by competitive bidding and prices for additional items were established through negotiation.

Should you have any questions or comments, or require additional information, please contact our office.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Brett Moran', with a long horizontal flourish extending to the right.

Brett Moran, P.E.

File: 237

# Silver Star Construction Co., Inc

2401 S. Broadway - Moore, Oklahoma 73160 – (405) 793-1725 / 1-800-375-1725 / Fax (405) 793-9989

November 14, 2017

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

RE: I-05-W-LMA  
Telephone Road

Jared,

The breakdown of costs for the wall are as follows:

1. 240 L.F. of Aggregate Footing @ 14.50/lf	\$ 3,480.00
2. #57 Stone Backfill @ 3520.00	\$ 3,520.00
3. 1000 SF of Segmental Wall Block in Place @ 20.00/sf	\$ 20,000.00

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TOTAL ADD FOR WALL \$ 27,000.00

Please let me know of any questions.

Thank You,

Matt Aker  
Project Manager

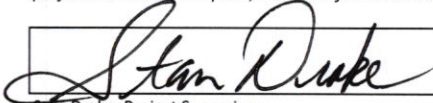


## Cost Reasonableness Certification

Project Name	Telephone Road South	
Work Order Number	I-05-W-LMA	Date 11/17/2017

Line Item	Contract Amount	Industry Standard	Vendor
Construction/Rehabilitation of Telephone Road and SW17th intersection	\$ 928,207.65	Preliminary Cost Estimate for City of Telephone Road South	Cabbiness Engineering
Add Alternate #1	\$ 189,590.89	Preliminary Cost Estimate for City of Telephone Road South	Cabbiness Engineering/Traffic Engineering Consultants
Add Alternate #2	\$ 32,465.00	Infrastructure Recovery and Implementation Plan Appendix B1 Table B1.8-SubArea KM2	Cardinal Engineering
Aggregate Footing	\$ 3,480.00	Cost Analysis	Cabbiness Engineering
#57 Stone Backfill	\$ 3,520.00	Cost Analysis	Cabbiness Engineering
Segmental Wall Block in Place	\$ 20,000.00	Cost Analysis	Cabbiness Engineering
<b>Total</b>	<b>\$ 1,177,263.54</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

11/17/2017

Date

