


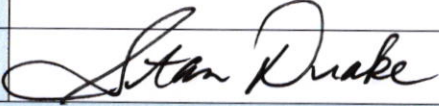


# CDBG-DR 13 CHANGE ORDER OR WORK ORDER AMENDMENT



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>	4/10/2018	<b>Requested By</b>	Silver Star Construction		
<b>Date Requested</b>	3/31/2018	<b>Total Budget</b>	\$1,178,607.54	<b>Cost of Change</b>	\$1,344.00

Change Order Type - Description				
<b>Circle Type:</b>	Field	Change	Work Order Amendment	
<b>Budget Line Items Affected: (List All)</b>				
4' Concrete Sidewalk - \$44.00/SY, Quantity 26, Total \$1,144.00				
<b>Added Item:</b>				
Integral Curb for Sidewalk - \$10.00/LF, Quantity 20, Total \$200.00				
<b>Change Description</b>	There was a gap between sidewalks along SW 11 <sup>th</sup> St and Telephone on both sides of the intersection. The City instructed the contractor to make the sidewalk connection on both the northwest and southwest corners on that intersection to make all sidewalks connect in the area.			

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	4/10/2018
Change Order Authorization ONLY Project Manager Signature		Date	4/10/2018
Change Order Authorization ONLY Project Supervisor Signature		Date	4/10/2018
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	





# City of Moore Oklahoma

301 N. Broadway, Moore, OK 73160 | (405) 793-5000 | [www.cityofmoore.com](http://www.cityofmoore.com)

## MEMO

**Date:** April 13, 2018  
**To:** File for I-05-W-LMA, South Telephone Road  
**From:** Kahley Gilbert, Administrative Assistant *KG*  
**Re:** Change Order dated 4/10/2018

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The position of Project Manager is currently vacant. Because this position is currently vacant, there is no signature for Project Manager on this change order. Project Supervisor reviewed change order work on site and approved.

# Silver Star Construction Co.

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

**CITY OF MOORE**  
**301 N. Broadway**  
**Moore, OK. 73160**

**3/31/2018**

RE: **Telephone Rd at SW 11th**  
**I-05-W-LMA**

## INVOICE

NO.

**28854**

DESCRIPTION	AMOUNT			
	Qty	Unit	Price	Amount
4" Concrete Sidewalk	26.00	SY	\$44.00	\$1,144.00
Integral Curb on Sidewalk	20.00	LF	\$10.00	\$200.00
<i>(Added Walks at SW 11th &amp; Telephone Rd)</i>				
<b>Total Due This Month</b>	<b>\$1,344.00</b>			

	A	B	C	D	E	F	G	H	I
1	PAGE ONE: History of Changes Occurring								
2									
3						(D*E)	CHANGE ORDER 01	CHANGE ORDER 02	(I-F)
4	Pay Item #	Item Description	Unit	Estimated Quantity	Unit Price	Estimated Cost	Quantity Changed by	Quantity Changed by	TOTAL QUANTITY TO DATE
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		26.00	1,923.00
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
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



	A	B	C	D	E	F	G	H	I
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
67	726-01	Pull Box Type II	EA	1.00	481.05	481.05			1.00
68	729-02	Mast Arm Mounted Signs	SF	53.00	53.45	2,832.85			53.00
69	741-00	Optical Detector Cable	LF	470.00	1.10	517.00			470.00
70	<b>Add Alternate #1</b>								
71	313-00	Tack Coat	GAL	2,088.92	2.50	5,222.30			2,088.92
72	301-06	Asphalt Concrete Type B (PG 70-28 OK)	TON	1,743.07	72.35	126,111.11			1,743.07





A	B	C	D	E	F	G	H	I	J	
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)	
		(D*E)			(G-D)			(G*E)		
1										
2										
3	200-00	Unclassified Excavation	CY	2,088.00	21.75	45,414.00	2,088.00	0.00	45,414.00	0.00
4	900-03	Filter Fabric	LF	3,283.00	1.60	5,252.80	3,283.00	0.00	5,252.80	0.00
5	900-02	Rock Bag Inlet Barrier	LF	120.00	10.70	1,284.00	120.00	0.00	1,284.00	0.00
6	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
7	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
8	313-00	Tack Coat	GAL	619.00	2.50	1,547.50	619.00	0.00	1,547.50	0.00
9	313-01	Prime Coat	GAL	3,206.00	2.90	9,297.40	3,206.00	0.00	9,297.40	0.00
10	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
11	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
12	309-00	Cold Milling Pavement	SY	2,948.00	2.35	6,927.80	2,948.00	0.00	6,927.80	0.00
13	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
14	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
15	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
16	823-00	4" Concrete Sidewalk	SY	1,897.00	44.00	83,468.00	1,923.00	26.00	84,612.00	1,144.00
17	823-03	6" Concrete Sidewalk	SY	1,313.00	42.00	55,146.00	1,313.00	0.00	55,146.00	0.00
18	830-01	Tactile Warning Device	SF	40.00	14.00	560.00	40.00	0.00	560.00	0.00
19	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
20	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
21	459-01	Manholes Adjust to Grade	EA	3.00	1,000.00	3,000.00	3.00	0.00	3,000.00	0.00
22	520-03	Valve Boxes Adjust to Grade	EA	14.00	265.00	3,710.00	14.00	0.00	3,710.00	0.00
23	819-08	Meter Boxes Adjust to Grade	EA	2.00	375.00	750.00	2.00	0.00	750.00	0.00
24	516-02	Fire Hydrant Reset	EA	3.00	1,600.00	4,800.00	3.00	0.00	4,800.00	0.00
25	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
26	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
27	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
28	811-05	Removal of Drainage Inlets	EA	4.00	1,175.00	4,700.00	4.00	0.00	4,700.00	0.00
29	812-01	Removal of Sidewalk	SY	724.00	5.00	3,620.00	724.00	0.00	3,620.00	0.00
30	820-01	Sawing Pavement	LF	3,495.00	2.40	8,388.00	3,495.00	0.00	8,388.00	0.00
31	801-00	Construction Staking	LSUM	1.00	15,000.00	15,000.00	1.00	0.00	15,000.00	0.00
32	809-00	Mobilization	LSUM	1.00	119,345.00	119,345.00	1.00	0.00	119,345.00	0.00
33	802-00	Construction Traffic Control	LSUM	1.00	11,705.00	11,705.00	1.00	0.00	11,705.00	0.00
34	725-00	Structural Concrete	CY	0.50	321.00	160.50	0.50	0.00	160.50	0.00
35	729-00	Sheet Aluminum Signs	SF	44.00	30.00	1,320.00	44.00	0.00	1,320.00	0.00
36	729-11	Remove Existing Signs	EA	1.00	187.00	187.00	1.00	0.00	187.00	0.00
37	732-00	Galvanized Steel Sign Post	LF	98.00	16.00	1,568.00	98.00	0.00	1,568.00	0.00
38	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
39	741-SP	Traffic Stripe (Multipolymer)(8" Wide)	LF	305.00	1.20	366.00	305.00	0.00	366.00	0.00
40	741-SP	Traffic Stripe (Multipolymer)(24" Wide)	LF	285.00	8.55	2,436.75	285.00	0.00	2,436.75	0.00
41	741-SP	Traffic Stripe (Multipolymer)(Arrow)(Single)	EA	17.00	90.85	1,544.45	17.00	0.00	1,544.45	0.00



A	B	C	D	E	F	G	H	I	J	
42	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
43	711-01	Video Detection System (SP)	LSUM	1.00	21,885.00	21,885.00	1.00	0.00	21,885.00	0.00
44	712-01	EPS Optical Detector	EA	2.00	534.50	1,069.00	2.00	0.00	1,069.00	0.00
45	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
46	713-08	2" Traffic Signal Conduit (Trenched)	LF	120.00	6.40	768.00	120.00	0.00	768.00	0.00
47	713-10	3" Traffic Signal Conduit (Trenched)	LF	60.00	8.55	513.00	60.00	0.00	513.00	0.00
48	713-11	3" Traffic Signal Conduit (Bored)	LF	150.00	26.75	4,012.50	150.00	0.00	4,012.50	0.00
49	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
50	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
51	714-02	(1/C) (AWG #6) Electrical Conductor	LF	200.00	2.15	430.00	200.00	0.00	430.00	0.00
52	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
53	714-07	(7) Conductor Traffic Signal Electrical Cable	LF	60.00	3.25	195.00	60.00	0.00	195.00	0.00
54	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
55	715-02	Four (4) Section Traffic Signal Head	EA	1.00	801.75	801.75	1.00	0.00	801.75	0.00
56	717-00	Pedestrian Signal Head	EA	4.00	481.05	1,924.20	4.00	0.00	1,924.20	0.00
57	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
58	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
59	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
60	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
61	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
62	725-00	Structural Concrete	CY	8.00	534.50	4,276.00	8.00	0.00	4,276.00	0.00
63	725-01	Reinforcing Steel	LBS	1,208.00	1.35	1,630.80	1,208.00	0.00	1,630.80	0.00
64	726-00	Pull Box Type I	EA	2.00	427.60	855.20	2.00	0.00	855.20	0.00
65	726-01	Pull Box Type II	EA	1.00	481.05	481.05	1.00	0.00	481.05	0.00
66	729-02	Mast Arm Mounted Signs	SF	53.00	53.45	2,832.85	53.00	0.00	2,832.85	0.00
67	741-00	Optical Detector Cable	LF	470.00	1.10	517.00	470.00	0.00	517.00	0.00
68		<b>Add Alternate #1</b>								
69	313-00	Tack Coat	GAL	2,088.92	2.50	5,222.30	2,088.92	0.00	5,222.30	0.00
70	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
71	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
72	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
73	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
74	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
75	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
76	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
77	711-01	Video Detection System (SP)	LSUM	1.00	24,250.00	24,250.00	1.00	0.00	24,250.00	0.00
78		<b>Add Alternate #2</b>								
79		Gateway	LSUM	1.00	32,465.00	32,465.00	1.00	0.00	32,465.00	0.00
80		<b>Added Items for Keystone Retaining Wall</b>								
81		Aggregate Footing	LF	0.00	14.50	0.00	240.00	240.00	3,480.00	3,480.00
82		#57 Stone Backfill	LSUM	0.00	3,520.00	0.00	1.00	1.00	3,520.00	3,520.00
83		Segmental Wall Block in Place	SF	0.00	20.00	0.00	1,000.00	1,000.00	20,000.00	20,000.00







## MEMO

**Date:** April 10, 2018  
**To:** File for I-05-W-LMA, S. Telephone Road  
**From:** Kahley Gilbert, Administrative Assistant *KG*  
**Re:** Cost Analysis for Change Order dated April 10, 2018

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A cost analysis was performed for the following two items to complete a sidewalk connection at SW 11<sup>th</sup> and Telephone Road.

4' Concrete Sidewalk	26 Square Yards	\$44.00/SY	Total: \$1,144.00
Integral Curb on Sidewalk	20 Linear Feet	\$10.00/LF	Total: \$200.00

The cost of 4' concrete sidewalk is the same amount given in the original bid and when compared to another company's price of \$55/square yard it is determined to be cost reasonable.

The cost for the integral curb was between \$13 and \$30 a linear foot when looking at prices from other companies. The integral curb at \$10/LF is determined to be cost reasonable.

## Cost Reasonableness Certification

Project Name	Telephone Road South	
Work Order Number	I-05-W-LMA	Date 4/10/2018

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
Sidewalk connection at SW 11th and Telephone	\$ 1,344.00	Cost Analysis	City of Moore
<b>Total</b>	<b>\$ 1,178,607.54</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

Stan Drake, Project Supervisor Signature

4/10/2018

Date

