



CDBG-DR 13 CHANGE ORDER OR WORK ORDER AMENDMENT



Project Information					
Project Name	Telephone Road Resurfacing 2				
Work Order Number (CDBG-DR 01)	I-08-W-LMA	Project Address	Telephone Road from Main St to SW 4 th St		
Date	4/26/2017	Requested By	Silver Star Construction		
Date Requested	N/A	Total Budget	\$897,860.08	Cost of Change	\$167,637.67

Change Order Type - Description				
Circle Type:	Field	Change	Work Order Amendment	

Budget Line Items Affected: (List All)

Change in Quantities:

- 200-00 Unclassified Excavation (0-200 CY) – Unit Price \$23.60/CY, Quantity increased to 606, New Total \$14,301.60
- 201-00 Embankment (0-200CY) – Unit Price \$52.70, Quantity decreased to 0, New Total \$0.00
- 202-00 Borrow (0-200CY) – Unit Price \$75.30, Quantity decreased to 0, New Total \$0.00
- 215-08 Rock Backfill – Unit Price \$33.85/Ton, Quantity increased to 1,115, New Total is \$37,742.75
- 222-03 Cement Kiln Dust – Unit Price \$54/Ton, Quantity decreased to 260.30, New Total \$14,056.20
- 222-05 Cementitious Stabilized Subgrade – Unit Price \$8.35/SY, Quantity decreased to 6,000, New Total \$50,100.00
- 301-28 Asphalt Concrete Type A (PG 64-22)(>600 Tons) – Unit Price \$59.70/Ton, Quantity decreased to 1,436.80, New Total \$85,776.96
- 301-32 Asphalt Concrete Type B (PG64-22)(>600 Tons) – Unit Price \$72.60/Ton, Quantity decreased to 693.57, New Total \$50,353.18
- 304-07 Portland Cement Concrete Pavement (8" Dowel Joints) – Unit Price \$54.85, Quantity decreased to 0, New Total \$0.00
- 305-00 Curb & Gutter (2'-8")(6" Barrier)(>500') – Unit Price \$26.95/LF, Quantity decreased to 2,396, New Total \$64,572.20
- 305-02 Integral Curb (6")(0-500') – Unit Price \$17.60/LF, Quantity decreased to 0, New Total \$0.00

812-03 Concrete Pavement Removal – Unit Price \$18.85/SY, Quantity decreased to 4,086.68, New Total \$77,033.73
 812-04 Asphalt Pavement Removal – Unit Price \$13.95/SY, Quantity increased to 505, New Total \$7,044.75
 813-00 Remove Driveway – Unit Price \$23/SY, Quantity increased to 1,031, New Total \$23,713.00
 820-01 Sawcut Pavement – Unit Price \$3.25/LF, Quantity decreased to 2,440, New Total \$7,930.00
 823-00 Sidewalk (5') – Unit Price \$39.65/SY, Quantity decreased to 1,069.33, New Total \$42,398.93
 823-03 6" PC Conc. Driveway (HES) – Unit Price \$83.40/SY, Quantity decreased to 763, New Total \$63,634.20
 824-01 Temporary Surface Course (TBSC) – Unit Price \$35.80/Ton, Quantity decreased to 26.55, New Total \$950.49
 824-03 Temporary Striping – Unit Price \$.27/LF, Quantity decreased to 0, New Total \$0.00
 900-02 Rock Bag Inlet Barrier – Unit Price \$16.10/LF, Quantity decreased to 0, New Total \$0.00
 454-05 Manhole Added Depth (4' Dia) – Unit Price \$129/VF, Quantity decreased to 0, New Total \$0.00
 454-37 Design 2-1 Inlet Complete in Place – Unit Price \$2,997/Each, Quantity decreased to 6, New Total \$17,982.00
 453-00 Reinforced Concrete Pipe (18") – Unit Price \$60.15/LF, Quantity decreased to 0, New Total \$0.00
 453- Reinforced Concrete Pipe (30") – Unit Price \$100/LF, Quantity decreased to 0, New Total \$0.00
 735-00 Traffic Stripe (Plastic)(4" Wide) – Unit Price \$1.03/LF, Quantity decreased to 0, New Total \$0.00
 735-01 Traffic Stripe (plastic)(arrows)(single) – Unit Price \$242/Each, Quantity decreased to 0, New Total \$0.00
 740-05 Construction Signs (16 to 32.99 SF) – Unit Price \$1.88/SD, Quantity decreased to 0, New Total \$0.00
 740-14 Channelizer Cones – Unit Price \$.80/SD, Quantity decreased to 960, New Total \$768.00

Added Items:

812-02 Remove Curb & Gutter – Unit Price \$15.50/LF, Quantity 2,3875, Total \$36,967.50
 460-00 Setting New Manhole – Unit Price \$389/Each, Quantity 6, Total \$2,334.00
 453-12 Reinforced Concrete Pipe 18" O-Ring – Unit Price \$60.15/LF Quantity 358, Total \$21,533.70
 453-Reinforced Concrete Pipe 30" O-Ring – Unit Price \$97.45/LF, Quantity 995, Total \$96,962.75
 740-03 Constuction Signs (0 to 6.25 SF) – Unit Price \$.37/SD, Quantity 312, Total \$115.44
 740-09 Construction Barricades (Type III) – Unit Price \$3.25/SD, Quantity 528, Total \$1,716.00
 740-10 Warning Lights Type A – Unit Price \$.27/SD, Quantity 636, Total \$171.72
 12" Waterline Relocation Unit Price \$5,984.55/LS, Quantity 3, Total \$17,953.65
 454-34 Design 2-0 Inlet Complete in Place – Unit Price \$2,245/Each, Quantity 1, Total \$2,245.00
 306-04 HES Concrete Pavement (6") – Unit Price \$58.30/SY, Quantity 172, Total \$10,027.60
 Construction Traffic Control – Lump sum of \$1,733.16
 Multi-Poly Striping – Lump Sum of \$7,938.87
 Signage – Lump Sum of \$1,800.00

Mobilization Decreased to \$53,605.75

<p>Change Description</p>	<p>Contractor used worst case scenarios when estimating subsurface conditions on account of having no engineered plans. The condition under the pavement was unknown. The contractor was able to get the subgrade condition needed with less work than budgeted.</p>
----------------------------------	--

--	--


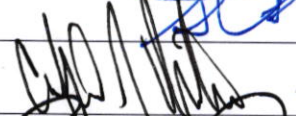
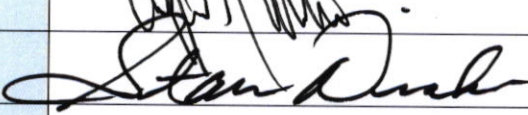

Field Change Order

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	5/8/2017
Work Order Amendment Authorization ONLY Project Manager Signature		Date	5/8/2017
Work Order Amendment Authorization ONLY Project Supervisor Signature		Date	5/8/2017
Contract Amendment Authorization ONLY CDBG Manager		Date	5/8/2017

Pay Item #	Item Description	Unit	Estimated Quantity	Unit Price	(D*E)		(G-D)		(G*E)	(I-F)
					Estimated Cost	Quantity Used	Unit Price Used	Difference in Quantity	Total Cost for Project	Difference in Cost
200-00	Unclassified Excavation (0-200 CY)	CY	71.00	84.20	5,978.20	606.00	23.60	535.00	14,301.60	8,323.40
201-00	Embankment (0-200CY)	CY	112.00	52.70	5,902.40	0.00		-112.00	0.00	-5,902.40
202-00	Borrow (0-200 CY)	CY	41.00	75.30	3,087.30	0.00		-41.00	0.00	-3,087.30
212-01	Trench Excavation & Backfill (0' to 10')	CY	1,693.33	16.20	27,431.95	1,693.33		0.00	27,431.95	0.00
215-08	Rock Backfill	Ton	900.00	33.85	30,465.00	1,115.00		215.00	37,742.75	7,277.75
222-03	Cement Kiln Fust	Ton	280.00	54.00	15,120.00	260.30		-19.70	14,056.20	-1,063.80
222-05	Cementitious Stabilized Subgrade	SY	8,000.00	8.35	66,800.00	6,000.00		-2,000.00	50,100.00	-16,700.00
301-28	Ashpalt Concrete Type A (PG 64-22)(>600 Tons)	Ton	2,115.00	59.70	126,265.50	1,436.80		-678.20	85,776.96	-40,488.54
301-32	Asphalt Concrete Type B (PG 64-22)(>600 Tons)	Ton	850.00	63.65	54,102.50	693.57	72.60	-156.43	50,353.18	-3,749.32
304-07	Portland Cement Concrete Pavement (8" Dowel Joints)	SY	1,111.00	54.85	60,938.35	0.00		-1,111.00	0.00	-60,938.35
305-00	Curb & Gutter (2'-8")(6"Barrier)(>500')	LF	2,666.00	26.95	71,848.70	2,396.00		-270.00	64,572.20	-7,276.50
305-02	Integral Curb (6")(0-500')	LF	400.00	17.60	7,040.00	0.00		-400.00	0.00	-7,040.00
313-00	Tack Coat	GAL	500.00	5.50	2,750.00	500.00		0.00	2,750.00	0.00
801-00	Construction Staking (Construction Survey)	Day	8.00	1,205.00	9,640.00	8.00		0.00	9,640.00	0.00
812-03	Concrete Pavement Removal	SY	6,000.00	18.85	113,100.00	4,086.67		-1,913.33	77,033.73	-36,066.27
812-04	Asphalt Pavement Removal	SY	500.00	13.95	6,975.00	505.00		5.00	7,044.75	69.75
813-00	Remove Driveway	SY	781.00	23.00	17,963.00	1,031.00		250.00	23,713.00	5,750.00
820-01	Sawcut Pavement	LF	3,200.00	3.25	10,400.00	2,440.00		-760.00	7,930.00	-2,470.00
823-00	Sidewalk (5')	SY	1,481.00	39.65	58,721.65	1,069.33		-411.67	42,398.93	-16,322.72
823-03	6" PC Conc. Driveway (HES)	SY	781.00	83.40	65,135.40	763.00		-18.00	63,634.20	-1,501.20
824-01	Temporary Surface Course (TBSC)	Ton	150.00	35.80	5,370.00	26.55		-123.45	950.49	-4,419.51
824-03	Temporary Striping	LF	3,000.00	0.27	810.00	0.00		-3,000.00	0.00	-810.00
830-00	Wheelchair Ramp	SY	50.00	53.70	2,685.00	50.00		0.00	2,685.00	0.00
830-01	Tactile Markers/Truncated Domes	SF	180.00	43.00	7,740.00	180.00		0.00	7,740.00	0.00
840-04	Solid Slab Sodding (U-3 Bermuda)	SY	4,000.00	4.30	17,200.00	4,000.00		0.00	17,200.00	0.00
900-02	Rock Bag Inlet Barrier	LF	100.00	16.10	1,610.00	0.00		-100.00	0.00	-1,610.00
454-66	Box Type Inlet (4' x 4')	Each	6.00	2,825.00	16,950.00	6.00		0.00	16,950.00	0.00
454-05	Manhole Added Depth (4' Dia)	VF	0.50	129.00	64.50	0.00		-0.50	0.00	-64.50
454-37	Design 2-1 Inlet Complete in Place	Each	9.00	2,997.00	26,973.00	6.00		-3.00	17,982.00	-8,991.00
453-00	Reinforced Concrete Pipe (18")	LF	431.00	60.15	25,924.65	0.00		-431.00	0.00	-25,924.65
453	Reinforced Concrete Pipe (30")	LF	1,093.00	100.00	109,300.00	0.00		-1,093.00	0.00	-109,300.00
735-00	Traffic Stripe (Plastic)(4" Wide)	LF	7,500.00	1.03	7,725.00	0.00		-7,500.00	0.00	-7,725.00
735-01	Traffic Stripe (Plastic)(Arrows)(Single)	Each	20.00	242.00	4,840.00	0.00		-20.00	0.00	-4,840.00
740-05	Construction Signs (16 to 32.99 SF)	SD	540.00	1.88	1,015.20	0.00		-540.00	0.00	-1,015.20
740-14	Channelizer Cones	SD	9,900.00	0.80	7,920.00	960.00		-8,940.00	768.00	-7,152.00
Total Budget Items:					995,792.30					
Mobilization:					69,705.46					
Total Estimated Budget:					1,065,497.76					
Added Items										
812-02	Remove Curb & Gutter	LF	2,385.00	15.50	36,967.50					
460-00	Setting New Manhole	Each	6.00	389.00	2,334.00					
453-12	Reinforced Concrete Pipe 18" O-Ring	LF	358.00	60.15	21,533.70					

453	Reinforced Concrete Pipe 30" O-Ring	LF	995.00	97.45	96,962.75					
740-03	Construction Signs (0 to 6.25 SF)	SD	312.00	0.37	115.44					
740-09	Construction Barricades (Type III)	SD	528.00	3.25	1,716.00					
740-10	Warning Lights Type A	SD	636.00	0.27	171.72					
	12" Waterline Relocation	LS	3.00	5,984.55	17,953.65					
454-34	Design 2-0 Inlet Complete in Place	Each	1.00	2,245.00	2,245.00					
306-04	HES Concrete Pavement (6")	SY	172.00	58.30	10,027.60					
	Construction Traffic Control	LS	1.00	1,733.16	1,733.16					
	Multi-Poly Striping	LS	1.00	7,938.87	7,938.87					
	Signage	LS	1.00	1,800.00	1,800.00					
			Total Added Items:		201,499.39					201,499.39
										Total Change Order for Items: -151,537.96
										Total Orginal Budget Items: 995,792.30
										Change Order Item Budget: 844,254.33
										Mobilization: 53,605.75
										Total Final Budget: 897,860.08

Cost Reasonableness Certification

Project Name	Telephone Resurfacing 2	
Work Order Number	1-08-W-LMA	Date 9/12/2018

Line Item	Contract Amount	Industry Standard	Vendor
Drainage	\$ 158,007.45	Cost Analysis Complete by City of Moore using On-Demand Construction Services Bid Prices	N/A
Paving	\$ 654,050.04	Cost Analysis Complete by City of Moore using On-Demand Construction Services Bid Prices	N/A
Traffic	\$ 14,243.19	Cost Analysis Complete by City of Moore using On-Demand Construction Services Bid Prices	N/A
12" Waterline Relocation	\$ 17,953.65	Veolia Water line Replacement & Relocation.	Veolia
Mobilization	\$ 53,605.75	Cost Analysis Complete by City of Moore using On-Demand Construction Services Bid Prices	N/A
Total	\$ 897,860.08		

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

9/12/2018

Date





Client: City of Moore

Date: August 1, 2016

Project: Water line Replacement and Relocation in Southmoore Addition – Broadway

Project Description: The work is generally described as follows – Provide material, labor and equipment to replace 9200 linear feet of 6" water line, install 106 existing double services, and 18 long double sets, 6 fire hydrants, 4 - 8"x 30' relocation and lowering, driveway replacements and street crossing replacements. The project must meet all city, state, and HUD requirements.

Work Description	Units	Quantity	Unit Price	Subtotal	Status
Trench Embedment & backfill material	Ton	1800	\$14.00	\$25,200.00	
6" PVC water line (C900) (DR18)	LF	9200	\$25.00	\$230,000.00	7,657 LF
6" x 1" Tapping Saddle & Long Double Services	Each	18	\$600.00	\$10,800.00	9
6" x 1" Tapping Saddle & Short Double Services	Each	106	\$225.00	\$23,850.00	75
6" 90 Ell (MJ Type)	Each	2	\$250.00	\$500.00	1
6" 45 Ell (MJ Type)	Each	20	\$250.00	\$5,000.00	8
6" X 6" Tee (MJ Type)	Each	9	\$300.00	\$2,700.00	4
6" Caps (MJ Type)	Each	28	\$325.00	\$9,100.00	
Driveway Removal	S.Y.	1872	\$10.00	\$18,720.00	859
Replace Concrete Driveway	S.Y.	1800	\$65.00	\$117,000.00	828
Replace Curb and Gutter	LF	166	\$25.00	\$4,150.00	
Pavement Cut and Repair	S.Y.	200	\$125.00	\$25,000.00	
Pavement Removal	S.Y.	200	\$10.00	\$2,000.00	149
Saw Cut Driveways	LF	1777	\$4.00	\$7,108.00	669
6" or 8" X 30' Relocation / Lowering	Each	4	\$5,500.00	\$22,000.00	1
Sod Replacement	S.Y.	5,094	\$3.00	\$15,282.00	
Spoil Removal (Water line)	Ton	800	\$8.00	\$6,400.00	
6" Gate Valve w/ Box (MJ Type)	Each	21	\$820.00	\$17,220.00	5
Fire Hydrant Assembly	Each	6	\$2,800.00	\$16,800.00	2
Pressure Test	Each	4	\$350.00	\$1,400.00	8
Disinfection Test	Each	4	\$350.00	\$1,400.00	8
Mobilization/Demobilization	Each	1	\$500.00	\$500.00	
Total Estimated Construction Cost	---	---	---	\$562,130.00	

The following is a progress status update on the Broadway South Moore Addition line replacement (WO# I-14-E-URG) for July 2016. Crews have started on the 6' PVC Water line and have completed 7,657 feet with 9 long double service connects and (75) 6" X 1" Tapping saddles and short double services. The staff also install (1) 6" 90 Elbow MJ type, (8) 6" 45's and (4) 6"X6" Tees, (2) Fire Hydrant Assembly and (5) 6" Gate Valves with valve boxes. As the end of July, there has been (859) driveways removed and (828) replaced with new concrete. Along with (8) Pressure and disinfection tests performed on the lines. This water line replacement project has experienced no safety concerns or any foreseen issues in the installation portion as of this date.

Kahley Gilbert

From: Timothy M. Aker <matt@SILVERSTARCONST.COM>
Sent: Monday, May 08, 2017 10:16 AM
To: Kahley Gilbert
Subject: RE: change in quantities

Kahley,

On the Kings Manor Projects:

These projects didn't have any plans, they were just supposed to be removal and replacement with new so when I did an original budget, I used worst case scenarios as far as subsurface conditions, etc. in case we encountered them since the condition under the pavement was unknown.

While proceeding with removals and starting the excavation, we were able to get the subgrade condition needed with less work than budgeted therefore making this project come in significantly under the original worst case scenario budget.

Please let me know of any questions.

Thank You,



**Silver Star
Construction, Inc.**

Matt Aker
Estimator/Project Manager

Office: (405) 793-1725

Fax: (405) 793-9989

Toll Free: 1-800-375-1725

Mobile: (405) 317-7680

2401 S. Broadway

Moore, Oklahoma 73160

Email: matt@silverstarconst.com

From: Kahley Gilbert [mailto:KGilbert@cityofmoore.com]
Sent: Monday, May 01, 2017 9:12 AM
To: Timothy M. Aker <matt@SILVERSTARCONST.COM>
Cc: Charles S. Shawn <steve@SILVERSTARCONST.COM>
Subject: change in quantities

Hey Matt,

I am having to do a little backtracking for the 2 projects that we have closed out. I am doing a final change order for each project and showing where the differences are between the final cost and the cost estimate.

Could you send me a brief explanation on what changes were made to the Kings Manor and Telephone Road projects? I know it's been awhile 😊 I will list out the changes I found below.

I-01-W-LMA, Kings Manor

Line Item	Estimated Cost	Invoice # 23172	Invoice #23228	Invoice #23277	Invoice #23330
SW 11TH STREET	281,349.05				
SW 12TH STREET	365,554.25			77,519.88	180,708.52
SW 13TH STREET	366,468.60		36,309.24	234,636.09	8,397.76
SW 14TH STREET	467,033.10		54,312.64	295,294.76	6,827.49
SW 15TH STREET	355,910.15	38,954.96	208,611.98	48,088.23	
HEATHER LANE	255,000.00				178,282.72
LITTLE RIVER CIRCLE	250,018.00				132,885.10
PARKING LOTS (2-10 SPACES EACH)	105,199.00				
CONC INTERSECTION (11TH & HEATHER)	14,000.00				
CONC INTERSECTION (HEATHER & KINGS MANOR)	5,400.00				
VALLEY GUTTERS KINGS MANOR	2,850.00				
VALLEY GUTTERS SW 8TH	2,850.00				
VALLEY GUTTERS SW 9TH	2,850.00				

I-08-W-LMA, Telephone Road North

Item Description	Unit	Estimated Quantity	Unit Price	Estimated Cost	Quantity Used	Unit Price Used
Unclassified Excavation (0-200 CY)	CY	71.00	84.20	5,978.20	606.00	23.6
Embankment (0-200CY)	CY	112.00	52.70	5,902.40	0.00	
Borrow (0-200 CY)	CY	41.00	75.30	3,087.30	0.00	
Rock Backfill	Ton	900.00	33.85	30,465.00	1,115.00	
Cement Kiln Fust	Ton	280.00	54.00	15,120.00	260.30	
Cementitious Stabilized Subgrade	SY	8,000.00	8.35	66,800.00	6,000.00	
Asphalt Concrete Type A (PG 64-22)(>600 Tons)	Ton	2,115.00	59.70	126,265.50	1,436.80	
Asphalt Concrete Type B (PG 64-22)(>600 Tons)	Ton	850.00	63.65	54,102.50	693.57	72.6
Portland Cement Concrete Pavement (8" Dowel Joints)	SY	1,111.00	54.85	60,938.35	0.00	
Curb & Gutter (2'-8")(6"Barrier)(>500')	LF	2,666.00	26.95	71,848.70	2,396.00	
Integral Curb (6")(0-500')	LF	400.00	17.60	7,040.00	0.00	
Concrete Pavement Removal	SY	6,000.00	18.85	113,100.00	4,086.67	
Asphalt Pavement Removal	SY	500.00	13.95	6,975.00	505.00	
Remove Driveway	SY	781.00	23.00	17,963.00	1,031.00	
Sawcut Pavement	LF	3,200.00	3.25	10,400.00	2,440.00	
Sidewalk (5')	SY	1,481.00	39.65	58,721.65	1,069.33	
6" PC Conc. Driveway (HES)	SY	781.00	83.40	65,135.40	763.00	
Temporary Surface Course (TBSC)	Ton	150.00	35.80	5,370.00	26.55	
Temporary Striping	LF	3,000.00	0.27	810.00	0.00	

Rock Bag Inlet Barrier	LF	100.00	16.10	1,610.00	0.00
Manhole Added Depth (4' Dia)	VF	0.50	129.00	64.50	0.00
Design 2-1 Inlet Complete in Place	Each	9.00	2,997.00	26,973.00	6.00
Reinforced Concrete Pipe (18")	LF	431.00	60.15	25,924.65	0.00
Reinforced Concrete Pipe (30")	LF	1,093.00	100.00	109,300.00	0.00
Traffic Stripe (Plastic)(4" Wide)	LF	7,500.00	1.03	7,725.00	0.00
Traffic Stripe (Plastic)(Arrows)(Single)	Each	20.00	242.00	4,840.00	0.00
Construction Signs (16 to 32.99 SF)	SD	540.00	1.88	1,015.20	0.00
Channelizer Cones	SD	9,900.00	0.80	7,920.00	960.00
Added Items					
812-02	Remove Curb & Gutter	LF	2,385.00	15.50	36,967.50
460-00	Setting New Manhole	Each	6.00	389.00	2,334.00
453-12	Reinforced Concrete Pipe 18" O-Ring	LF	358.00	60.15	21,533.70
453	Reinforced Concrete Pipe 30" O-Ring	LF	995.00	97.45	96,962.75
740-03	Construction Signs (0 to 6.25 SF)	SD	312.00	0.37	115.44
740-09	Construction Barricades (Type III)	SD	528.00	3.25	1,716.00
740-10	Warning Lights Type A	SD	636.00	0.27	171.72
	12" Waterline Relocation	LS	3.00	5,984.55	17,953.65
454-34	Design 2-0 Inlet Complete in Place	Each	1.00	2,245.00	2,245.00
306-04	HES Concrete Pavement (6")	SY	172.00	58.30	10,027.60
	Construction Traffic Control	LS	1.00	1,733.16	1,733.16
	Multi-Poly Striping	LS	1.00	7,938.87	7,938.87
	Signage	LS	1.00	1,800.00	1,800.00

Let me know if you have any questions!

Thanks!!

Kahley

Kahley Gilbert

Administrative Assistant

Capital Planning and Resiliency

City of Moore

301 N. Broadway Moore, Oklahoma 73160

405-793-4571 phone 405-793-5057 fax

kgilbert@cityofmoore.com

