

Colorado Department Of Transportation

Printed On: 07/24/2017

Low Bid Summary

Page 1 of 1

Letting Date: July 20, 2017

Call Order	Contract ID	Project(s)	# of Bids	Low Bidder	Estimated Cost	Corrected Bid	Percent of Estimate	Overrun (+) Underrun (-)
004	C21807	CR100-283	2	STURGEON ELECTRIC COMPANY, INC.	\$2,609,960.00	\$2,392,395.00	91.66%	-\$217,565.00
Letting Totals			2		\$2,609,960.00	\$2,392,395.00	91.66%	-\$217,565.00

**Colorado Department Of Transportation**

Printed On: **07/24/2017**

**Vendor Ranking**

Page 1 of 1

Letting No: 20170720	Contract ID: C21807	Project(s): CR100-283
Letting Date: July 20, 2017	Region: 1	
Letting Time: 10:00 AM	Contract Time: 115 WORKING DAYS	Counties: ADAMS

**Contract Description:**

This project will replace traffic signal controllers and upgrade communications at approximately 109 intersections in Region 1. There will be approximately 26 traffic signal cabinets replaced on the project. The primary corridors are Wadsworth Boulevard (SH 121) from US-36 to Waterton Road, and Federal Boulevard (US 287) from 54th Avenue to 120th Avenue. The other intersections included are at various locations around Region 1.

A mandatory pre bid conference will be held on July 11, 2017 beginning at 10:00 AM at CDOT Golden Campus (CTMC), 425 C Corporate Circle, Golden CO 80401 in Kenosha Pass Conference Room. Bids will be accepted only from pre-qualified bidders who attend the mandatory pre-bid conference.

Rank	Vendor ID	Vendor Name	Total Bid	Percent Of Low Bid	Percent Of Estimate
1	720A	STURGEON ELECTRIC COMPANY, INC.	\$2,392,395.00	100.00%	91.66%
2	1507A	PAONIA, INC dba PAONIA, LLC	\$2,445,302.82	102.21%	93.69%
0	-EST-	Engineer's Estimate	\$2,609,960.00	109.09%	100.00%

Tabulation of Bids

Letting No: 20170720  
 Letting Date: July 20, 2017  
 Letting Time: 10:00 AM

Contract ID: C21807  
 Region: 1

Counties: ADAMS

Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 720A STURGEON ELECTRIC COMPANY, INC		(2) 1507A PAONIA, INC	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION:</b>	0001 BID ITEMS					<b>LCC:</b>		
202-00827	Removal of Pull Box	1.000 EACH	250.00000	250.00	80.00000	80.00	750.00000	750.00
202-00855	Removal of Traffic Signal Controller Cabinet	24.000 EACH	1,250.00000	30,000.00	1,010.00000	24,240.00	1,500.00000	36,000.00
203-01597	Potholing	120.000 HOUR	225.00000	27,000.00	245.00000	29,400.00	150.00000	18,000.00
208-00002	Erosion Log Type 1 (12 Inch)	100.000 LF	5.00000	500.00	15.00000	1,500.00	5.38000	538.00
208-00020	Silt Fence	50.000 LF	2.00000	100.00	7.00000	350.00	5.38000	269.00
208-00035	Aggregate Bag	150.000 LF	10.00000	1,500.00	22.00000	3,300.00	6.53000	979.50
208-00046	Pre-fabricated Concrete Washout Structure	1.000 EACH	2,200.00000	2,200.00	445.00000	445.00	545.00000	545.00
208-00051	Storm Drain Inlet Protection (Type I)	100.000 LF	12.00000	1,200.00	25.00000	2,500.00	10.75000	1,075.00
208-00052	Storm Drain Inlet Protection (Type II)	100.000 LF	50.00000	5,000.00	82.00000	8,200.00	10.75000	1,075.00
208-00103	Removal and Disposal of Sediment (Labor)	60.000 HOUR	65.00000	3,900.00	60.00000	3,600.00	107.50000	6,450.00
208-00105	Removal and Disposal of Sediment (Equipment)	60.000 HOUR	175.00000	10,500.00	80.00000	4,800.00	107.50000	6,450.00
208-00106	Sweeping (Sediment Removal)	60.000 HOUR	175.00000	10,500.00	140.00000	8,400.00	140.00000	8,400.00
212-00006	Seeding (Native)	0.100 ACRE	3,000.00000	300.00	8,050.00000	805.00	4,300.00000	430.00
212-00032	Soil Conditioning	0.100 ACRE	10,000.00000	1,000.00	8,050.00000	805.00	4,300.00000	430.00

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			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION:</b>	0001 BID ITEMS				<b>LCC:</b>			
213-00003	Mulching (Weed Free)	0.100 ACRE	1,000.00000	100.00	8,050.00000	805.00	4,300.00000	430.00
213-00061	Mulch Tackifier	20.000 LB	10.00000	200.00	15.00000	300.00	68.25000	1,365.00
216-00211	Soil Retention Blanket (Excelsior) (Biodegradable Class 1)	100.000 SY	5.00000	500.00	6.00000	600.00	10.75000	1,075.00
607-11525	Fence (Plastic)	300.000 LF	5.00000	1,500.00	6.00000	1,800.00	5.45000	1,635.00
613-01200	2 Inch Electrical Conduit (Plastic)	1,070.000 LF	8.00000	8,560.00	26.00000	27,820.00	30.00000	32,100.00
613-01300	3 Inch Electrical Conduit (Plastic)	420.000 LF	18.00000	7,560.00	29.00000	12,180.00	30.00000	12,600.00
613-07023	Pull Box (24"x36"x24")	1.000 EACH	1,250.00000	1,250.00	1,575.00000	1,575.00	1,857.97000	1,857.97
613-10000	Wiring	1.000 L S	60,000.00000	60,000.00	36,300.00000	36,300.00	60,000.00000	60,000.00
613-80130	Service Meter Cabinet	25.000 EACH	6,000.00000	150,000.00	4,945.00000	123,625.00	5,000.00000	125,000.00
614-70024	1310nm SFP Optic Module	162.000 EACH	400.00000	64,800.00	300.00000	48,600.00	445.00000	72,090.00
614-70028	CWDM SFP Optic Module	19.000 EACH	2,000.00000	38,000.00	1,945.00000	36,955.00	445.00000	8,455.00
614-70030	Optical Attenuator	181.000 EACH	100.00000	18,100.00	83.00000	15,023.00	78.75000	14,253.75
614-72836	Conflict Monitor	109.000 EACH	1,000.00000	109,000.00	750.00000	81,750.00	1,283.35000	139,885.15
614-72855	Traffic Signal Controller Cabinet	26.000 EACH	13,000.00000	338,000.00	12,500.00000	325,000.00	12,000.00000	312,000.00

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Contract ID: C21807  
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Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 720A STURGEON ELECTRIC COMPANY, INC		(2) 1507A PAONIA, INC	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION:</b>	0001 BID ITEMS				<b>LCC:</b>			
614-86005	Telemetry (Master)	1.000 L S	17,000.00000	17,000.00	24,100.00000	24,100.00	30,000.00000	30,000.00
614-86105	Telemetry (Field)	5.000 EACH	3,000.00000	15,000.00	1,715.00000	8,575.00	5,600.00000	28,000.00
614-86248	Traffic Signal Controller (Type 2070LC)	109.000 EACH	3,500.00000	381,500.00	4,785.00000	521,565.00	3,800.00000	414,200.00
614-86800	Uninterrupted Power Supply	42.000 EACH	9,000.00000	378,000.00	7,810.00000	328,020.00	8,820.00000	370,440.00
614-87006	Fiber Optic Termination Panel (6 Fiber)	32.000 EACH	700.00000	22,400.00	395.00000	12,640.00	830.00000	26,560.00
614-87011	Fiber Optic Cable (Single Mode) (24 Fiber)	2,760.000 LF	3.75000	10,350.00	3.50000	9,660.00	4.42000	12,199.20
614-87012	Fiber Optic Termination Panel (12 Fiber)	24.000 EACH	1,800.00000	43,200.00	500.00000	12,000.00	730.00000	17,520.00
614-87015	Buffer Tube Fan Out Kit	23.000 EACH	3,000.00000	69,000.00	280.00000	6,440.00	78.75000	1,811.25
614-87350	Test Fiber Optic Cable	1.000 L S	15,000.00000	15,000.00	38,500.00000	38,500.00	50,000.00000	50,000.00
614-87501	Splice Fiber Optic Cable (1 Strand)	510.000 EACH	60.00000	30,600.00	95.00000	48,450.00	204.00000	104,040.00
614-87692	Ethernet Switch Type II	74.000 EACH	3,500.00000	259,000.00	3,450.00000	255,300.00	3,075.00000	227,550.00
614-87697	Ethernet Aggregation Switch Type I	5.000 EACH	16,000.00000	80,000.00	7,750.00000	38,750.00	9,342.50000	46,712.50
614-87702	Ethernet Radio (Pair)	2.000 EACH	15,000.00000	30,000.00	9,795.00000	19,590.00	11,200.00000	22,400.00
614-87704	Ethernet Radio (Single Client)	2.000 EACH	7,500.00000	15,000.00	5,090.00000	10,180.00	6,600.00000	13,200.00

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			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION:</b>	0001 BID ITEMS							
						<b>LCC:</b>		
626-00000	Mobilization	1.000 L S	194,291.00000	194,291.00	105,000.00000	105,000.00	50,000.00000	50,000.00
630-00000	Flagging	20.000 HOUR	26.00000	520.00	20.00000	400.00	20.70000	414.00
630-00003	Uniformed Traffic Control	500.000 HOUR	100.00000	50,000.00	88.00000	44,000.00	115.00000	57,500.00
630-00006	Uniformed Traffic Control (Vehicle)	500.000 HOUR	20.00000	10,000.00	18.00000	9,000.00	34.50000	17,250.00
630-00007	Traffic Control Inspection	21.000 DAY	175.00000	3,675.00	165.00000	3,465.00	178.25000	3,743.25
630-00012	Traffic Control Management	105.000 DAY	850.00000	89,250.00	890.00000	93,450.00	799.25000	83,921.25
630-80341	Construction Traffic Sign (Panel Size A)	8.000 EACH	52.00000	416.00	27.00000	216.00	28.75000	230.00
630-80342	Construction Traffic Sign (Panel Size B)	52.000 EACH	69.00000	3,588.00	38.00000	1,976.00	40.25000	2,093.00
630-80380	Traffic Cone	40.000 EACH	10.00000	400.00	6.00000	240.00	5.75000	230.00
630-80393	Stackable Vertical Panels	10.000 EACH	25.00000	250.00	12.00000	120.00	115.00000	1,150.00
<b>Section Totals:</b>				\$2,609,960.00		\$2,392,395.00		\$2,445,302.82
<b>Contract Grand Totals</b>				<b>\$2,609,960.00</b>		<b>\$2,392,395.00</b>		<b>\$2,445,302.82</b>

Colorado Department Of Transportation

Printed On: 07/24/2017

Low Bid Item Analysis

Page 1 of 10

Letting No: 20170720	Contract ID: C21807	Counties: ADAMS
Letting Date: July 20, 2017	Region: 1	
Letting Time: 10:00 AM	Contract Time: 115 WORKING DAYS	Project(s): CR100-283

Contract Description:

This project will replace traffic signal controllers and upgrade communications at approximately 109 intersections in Region 1. There will be approximately 26 traffic signal cabinets replaced on the project. The primary corridors are Wadsworth Boulevard (SH 121) from US-36 to Waterton Road, and Federal Boulevard (US 287) from 54th Avenue to 120th Avenue. The other intersections included are at various locations around Region 1.

A mandatory pre bid conference will be held on July 11, 2017 beginning at 10:00 AM at CDOT Golden Campus (CTMC), 425 C Corporate Circle, Golden CO 80401 in Kenosha Pass Conference Room. Bids will be accepted only from pre-qualified bidders who attend the mandatory pre-bid conference.

Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) / Underrun (-)
<b>SECTION:</b>	0001	BID ITEMS						
0005	202-00827 Removal of Pull Box	1.000	250.00000	80.00000 EACH	250.00	80.00	32.00%	-170.00
0010	202-00855 Removal of Traffic Signal Controller Cabinet	24.000	1,250.00000	1,010.00000 EACH	30,000.00	24,240.00	80.80%	-5,760.00
0015	203-01597 Potholing	120.000	225.00000	245.00000 HOUR	27,000.00	29,400.00	108.89%	2,400.00
0020	208-00002 Erosion Log Type 1 (12 Inch)	100.000	5.00000	15.00000 LF	500.00	1,500.00	300.00%	1,000.00
0025	208-00020 Silt Fence	50.000	2.00000	7.00000 LF	100.00	350.00	350.00%	250.00
0030	208-00035 Aggregate Bag	150.000	10.00000	22.00000 LF	1,500.00	3,300.00	220.00%	1,800.00

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Page 2 of 10

Letting No: 20170720	Contract ID: C21807	Counties: ADAMS
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<b>SECTION:</b>	0001	BID ITEMS						
0035	208-00046 Pre-fabricated Concrete Washout Structure	1.000	2,200.00000	445.00000 EACH	2,200.00	445.00	20.23%	-1,755.00
0040	208-00051 Storm Drain Inlet Protection (Type I)	100.000	12.00000	25.00000 LF	1,200.00	2,500.00	208.33%	1,300.00
0045	208-00052 Storm Drain Inlet Protection (Type II)	100.000	50.00000	82.00000 LF	5,000.00	8,200.00	164.00%	3,200.00
0050	208-00103 Removal and Disposal of Sediment (Labor)	60.000	65.00000	60.00000 HOUR	3,900.00	3,600.00	92.31%	-300.00
0055	208-00105 Removal and Disposal of Sediment (Equipment)	60.000	175.00000	80.00000 HOUR	10,500.00	4,800.00	45.71%	-5,700.00
0060	208-00106 Sweeping (Sediment Removal)	60.000	175.00000	140.00000 HOUR	10,500.00	8,400.00	80.00%	-2,100.00



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Page 3 of 10

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<b>SECTION:</b>	0001	BID ITEMS						
0065	212-00006 Seeding (Native)	0.100	3,000.00000	8,050.00000 ACRE	300.00	805.00	268.33%	505.00
0070	212-00032 Soil Conditioning	0.100	10,000.00000	8,050.00000 ACRE	1,000.00	805.00	80.50%	-195.00
0075	213-00003 Mulching (Weed Free)	0.100	1,000.00000	8,050.00000 ACRE	100.00	805.00	805.00%	705.00
0080	213-00061 Mulch Tackifier	20.000	10.00000	15.00000 LB	200.00	300.00	150.00%	100.00
0085	216-00211 Soil Retention Blanket (Excelsior) (Biodegradable Class 1)	100.000	5.00000	6.00000 SY	500.00	600.00	120.00%	100.00

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Page 4 of 10

Letting No: 20170720	Contract ID: C21807	Counties: ADAMS
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<b>SECTION:</b>	0001	BID ITEMS						
0090	607-11525 Fence (Plastic)	300.000	5.00000	6.00000 LF	1,500.00	1,800.00	120.00%	300.00
0095	613-01200 2 Inch Electrical Conduit (Plastic)	1,070.000	8.00000	26.00000 LF	8,560.00	27,820.00	325.00%	19,260.00
0100	613-01300 3 Inch Electrical Conduit (Plastic)	420.000	18.00000	29.00000 LF	7,560.00	12,180.00	161.11%	4,620.00
0105	613-07023 Pull Box (24"x36"x24")	1.000	1,250.00000	1,575.00000 EACH	1,250.00	1,575.00	126.00%	325.00
0110	613-10000 Wiring	1.000	60,000.00000	36,300.00000 L S	60,000.00	36,300.00	60.50%	-23,700.00
0115	613-80130 Service Meter Cabinet	25.000	6,000.00000	4,945.00000 EACH	150,000.00	123,625.00	82.42%	-26,375.00

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<b>SECTION:</b>	0001	BID ITEMS						
0120	614-70024 1310nm SFP Optic Module	162.000	400.00000	300.00000 EACH	64,800.00	48,600.00	75.00%	-16,200.00
0125	614-70028 CWDM SFP Optic Module	19.000	2,000.00000	1,945.00000 EACH	38,000.00	36,955.00	97.25%	-1,045.00
0130	614-70030 Optical Attenuator	181.000	100.00000	83.00000 EACH	18,100.00	15,023.00	83.00%	-3,077.00
0135	614-72836 Conflict Monitor	109.000	1,000.00000	750.00000 EACH	109,000.00	81,750.00	75.00%	-27,250.00
0140	614-72855 Traffic Signal Controller Cabinet	26.000	13,000.00000	12,500.00000 EACH	338,000.00	325,000.00	96.15%	-13,000.00
0145	614-86005 Telemetry (Master)	1.000	17,000.00000	24,100.00000 L S	17,000.00	24,100.00	141.76%	7,100.00

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Page 6 of 10

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<b>SECTION:</b>	0001	BID ITEMS						
0150	614-86105 Telemetry (Field)	5.000	3,000.00000	1,715.00000 EACH	15,000.00	8,575.00	57.17%	-6,425.00
0155	614-86248 Traffic Signal Controller (Type 2070LC)	109.000	3,500.00000	4,785.00000 EACH	381,500.00	521,565.00	136.71%	140,065.00
0160	614-86800 Uninterrupted Power Supply	42.000	9,000.00000	7,810.00000 EACH	378,000.00	328,020.00	86.78%	-49,980.00
0165	614-87006 Fiber Optic Termination Panel (6 Fiber)	32.000	700.00000	395.00000 EACH	22,400.00	12,640.00	56.43%	-9,760.00
0170	614-87011 Fiber Optic Cable (Single Mode) (24 Fiber)	2,760.000	3.75000	3.50000 LF	10,350.00	9,660.00	93.33%	-690.00
0175	614-87012 Fiber Optic Termination Panel (12 Fiber)	24.000	1,800.00000	500.00000 EACH	43,200.00	12,000.00	27.78%	-31,200.00

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Page 7 of 10

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<b>SECTION:</b>	0001	BID ITEMS						
0180	614-87015 Buffer Tube Fan Out Kit	23.000	3,000.00000	280.00000 EACH	69,000.00	6,440.00	9.33%	-62,560.00
0185	614-87350 Test Fiber Optic Cable	1.000	15,000.00000	38,500.00000 L S	15,000.00	38,500.00	256.67%	23,500.00
0190	614-87501 Splice Fiber Optic Cable (1 Strand)	510.000	60.00000	95.00000 EACH	30,600.00	48,450.00	158.33%	17,850.00
0195	614-87692 Ethernet Switch Type II	74.000	3,500.00000	3,450.00000 EACH	259,000.00	255,300.00	98.57%	-3,700.00
0200	614-87697 Ethernet Aggregation Switch Type I	5.000	16,000.00000	7,750.00000 EACH	80,000.00	38,750.00	48.44%	-41,250.00
0205	614-87702 Ethernet Radio (Pair)	2.000	15,000.00000	9,795.00000 EACH	30,000.00	19,590.00	65.30%	-10,410.00

Colorado Department Of Transportation

Printed On: 07/24/2017

Low Bid Item Analysis

Page 8 of 10

Letting No: 20170720 Contract ID: C21807 Counties: ADAMS  
 Letting Date: July 20, 2017 Region: 1  
 Letting Time: 10:00 AM Contract Time: 115 WORKING DAYS Project(s): CR100-283

Contract Description:

This project will replace traffic signal controllers and upgrade communications at approximately 109 intersections in Region 1. There will be approximately 26 traffic signal cabinets replaced on the project. The primary corridors are Wadsworth Boulevard (SH 121) from US-36 to Waterton Road, and Federal Boulevard (US 287) from 54th Avenue to 120th Avenue. The other intersections included are at various locations around Region 1.

A mandatory pre bid conference will be held on July 11, 2017 beginning at 10:00 AM at CDOT Golden Campus (CTMC), 425 C Corporate Circle, Golden CO 80401 in Kenosha Pass Conference Room. Bids will be accepted only from pre-qualified bidders who attend the mandatory pre-bid conference.

Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) / Underrun (-)
<b>SECTION:</b>	0001	BID ITEMS						
0210	614-87704 Ethernet Radio (Single Client)	2.000	7,500.00000	5,090.00000 EACH	15,000.00	10,180.00	67.87%	-4,820.00
0215	626-00000 Mobilization	1.000	194,291.00000	105,000.00000 L S	194,291.00	105,000.00	54.04%	-89,291.00
0220	630-00000 Flagging	20.000	26.00000	20.00000 HOUR	520.00	400.00	76.92%	-120.00
0225	630-00003 Uniformed Traffic Control	500.000	100.00000	88.00000 HOUR	50,000.00	44,000.00	88.00%	-6,000.00
0230	630-00006 Uniformed Traffic Control (Vehicle)	500.000	20.00000	18.00000 HOUR	10,000.00	9,000.00	90.00%	-1,000.00
0235	630-00007 Traffic Control Inspection	21.000	175.00000	165.00000 DAY	3,675.00	3,465.00	94.29%	-210.00

Colorado Department Of Transportation

Printed On: 07/24/2017

Low Bid Item Analysis

Page 9 of 10

Letting No: 20170720  
 Letting Date: July 20, 2017  
 Letting Time: 10:00 AM

Contract ID: C21807  
 Region: 1  
 Contract Time: 115 WORKING DAYS

Counties: ADAMS  
 Project(s): CR100-283

Contract Description:

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Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) / Underrun (-)
<b>SECTION:</b>	0001	BID ITEMS						
0240	630-00012 Traffic Control Management	105.000	850.00000	890.00000 DAY	89,250.00	93,450.00	104.71%	4,200.00
0245	630-80341 Construction Traffic Sign (Panel Size A)	8.000	52.00000	27.00000 EACH	416.00	216.00	51.92%	-200.00
0250	630-80342 Construction Traffic Sign (Panel Size B)	52.000	69.00000	38.00000 EACH	3,588.00	1,976.00	55.07%	-1,612.00
0255	630-80380 Traffic Cone	40.000	10.00000	6.00000 EACH	400.00	240.00	60.00%	-160.00
0260	630-80393 Stackable Vertical Panels	10.000	25.00000	12.00000 EACH	250.00	120.00	48.00%	-130.00
<b>Section 0001 Subtotal</b>					\$2,609,960.00	\$2,392,395.00	91.66%	-\$217,565.00

Low Bid Item Analysis

Letting No: 20170720  
 Letting Date: July 20, 2017  
 Letting Time: 10:00 AM

Contract ID: C21807  
 Region: 1  
 Contract Time: 115 WORKING DAYS

Counties: ADAMS  
 Project(s): CR100-283

Contract Description:

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**Contract Total for Calculated Low Bidders Bid Items**

<b>\$2,609,960.00</b>	<b>\$2,392,395.00</b>	<b>91.66%</b>	<b>-\$217,565.00</b>
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