

Colorado Department Of Transportation

Printed On: 01/06/2022

Low Bid Summary

Page 1 of 1

Letting Date: January 06, 2022

Call Order	Contract ID	Project(s)	# of Bids	Low Bidder	Estimated Cost	Corrected Bid	Percent of Estimate	Overrun (+) Underrun (-)
002	C23838	ITS0703-477	1	STURGEON ELECTRIC COMPANY, INC.	\$5,167,055.00	\$8,447,636.00	163.49%	\$3,280,581.00
Letting Totals			1		\$5,167,055.00	\$8,447,636.00	163.49%	\$3,280,581.00

Vendor Ranking

Contract ID: C23838

Contract Description:

REPLACEMENT OF VARIABLE MESSAGE SIGNS (VMS), LANE USAGE SIGNS (LUS), BLANK OUT SIGNS (BOS), AND CLOSED CIRCUIT TELEVISION (CCTV) CAMERAS ON THE APPROACHES AND BOTH BORES OF THE EISENHOWER JOHNSON MEMORIAL TUNNELS (EJMT) ON I-70.

Rank	Vendor ID	Vendor Name	Total Bid	Percent Of Low Bid	Percent Of Estimate
0	-EST-	Engineer's Estimate	\$5,167,055.00	61.17%	100.00%
1	720A	STURGEON ELECTRIC COMPANY, INC.	\$8,447,636.00	100.00%	163.49%

Tabulation of Bids

Contract ID: C23838

Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 720A STURGEON ELECTRIC COMPANY, INC			
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
SECTION:	0001	BID ITEMS						
						LCC:		
202-00720	Removal of Closed Circuit Camera	106.000 EACH	450.00000	47,700.00	965.00000	102,290.00		
202-00810	Removal of Ground Sign	4.000 EACH	300.00000	1,200.00	1,285.00000	5,140.00		
202-00823	Removal of Dynamic Message Sign	125.000 EACH	1,000.00000	125,000.00	1,285.00000	160,625.00		
202-00855	Removal of Traffic Signal Controller Cabinet	1.000 EACH	2,500.00000	2,500.00	3,850.00000	3,850.00		
203-01597	Potholing	10.000 HOUR	250.00000	2,500.00	665.00000	6,650.00		
208-00035	Aggregate Bag	120.000 LF	10.00000	1,200.00	23.00000	2,760.00		
208-00055	Rigid Inlet Protection Device	10.000 EACH	150.00000	1,500.00	905.00000	9,050.00		
208-00056	Storm Drain Inlet Protection (Type III)	10.000 EACH	300.00000	3,000.00	510.00000	5,100.00		
208-00106	Sweeping (Sediment Removal)	20.000 HOUR	150.00000	3,000.00	605.00000	12,100.00		
208-00107	Removal of Trash	20.000 HOUR	100.00000	2,000.00	160.00000	3,200.00		
240-00000	Wildlife Biologist	24.000 HOUR	150.00000	3,600.00	135.00000	3,240.00		
240-00010	Removal of Nests	24.000 HOUR	150.00000	3,600.00	130.00000	3,120.00		
613-00100	1 Inch Electrical Conduit (GRC)	2,050.000 LF	40.00000	82,000.00	155.00000	317,750.00		
613-01200	2 Inch Electrical Conduit (Plastic)	90.000 LF	25.00000	2,250.00	175.00000	15,750.00		
613-05606	6 Inch Wide Cable Tray	4,000.000 LF	20.00000	80,000.00	140.00000	560,000.00		
613-07040	Pull Box (30"x48"x24")	1.000 EACH	3,500.00000	3,500.00	4,005.00000	4,005.00		

Tabulation of Bids

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Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 720A STURGEON ELECTRIC COMPANY, INC			
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
SECTION:	0001	BID ITEMS						
						LCC:		
613-07195	Proof Conduit	5,975.000 LF	3.00000	17,925.00	17.00000	101,575.00		
613-10000	Wiring	1.000 L S	50,000.00000	50,000.00	210,000.00000	210,000.00		
613-60700	Troubleshooting	100.000 HOUR	135.00000	13,500.00	330.00000	33,000.00		
614-01026	Steel Sign Post (W 10x26)	96.000 LF	150.00000	14,400.00	170.00000	16,320.00		
614-03006	Concrete Footing (Type 6)	6.000 EACH	4,500.00000	27,000.00	10,825.00000	64,950.00		
614-10140	Variable Message Sign LED (Double Faced)	22.000 EACH	70,000.00000	1,540,000.00	96,065.00000	2,113,430.00		
614-10145	Variable Message Sign LED (Single Faced)	1.000 EACH	50,000.00000	50,000.00	107,210.00000	107,210.00		
614-10146	Variable Message Sign (LED) (Ground Mounted)	4.000 EACH	30,000.00000	120,000.00	58,775.00000	235,100.00		
614-10147	Variable Message Sign LED (Overhead)	4.000 EACH	40,000.00000	160,000.00	70,175.00000	280,700.00		
614-10240	Lane Use Control Signal LED (Double Faced)	88.000 EACH	4,200.00000	369,600.00	11,960.00000	1,052,480.00		
614-70024	1310nm SFP Optic Module	120.000 EACH	500.00000	60,000.00	350.00000	42,000.00		
614-72830	Communications Cabinet	1.000 EACH	25,000.00000	25,000.00	27,800.00000	27,800.00		
614-72831	Communications Cabinet (Type 1)	4.000 EACH	25,000.00000	100,000.00	28,900.00000	115,600.00		
614-72895	Vehicle Detection System (Single Camera)	2.000 EACH	8,500.00000	17,000.00	7,130.00000	14,260.00		
614-80000	Flashing Beacon	6.000 EACH	750.00000	4,500.00	1,930.00000	11,580.00		

Tabulation of Bids

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Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 720A STURGEON ELECTRIC COMPANY, INC			
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
SECTION:	0001	BID ITEMS						
						LCC:		
614-87006	Fiber Optic Termination Panel (6 Fiber)	12.000 EACH	800.00000	9,600.00	830.00000	9,960.00		
614-87320	Closed Circuit Television	63.000 EACH	4,000.00000	252,000.00	4,435.00000	279,405.00		
614-87333	Closed Circuit Television Camera (Traffic Surveillance)	45.000 EACH	8,000.00000	360,000.00	7,680.00000	345,600.00		
614-87350	Test Fiber Optic Cable	1.000 L S	20,000.00000	20,000.00	19,400.00000	19,400.00		
614-87425	Fiber Optic Cable (Multi Mode) (24 Strands)	10,835.000 LF	8.00000	86,680.00	4.00000	43,340.00		
614-87691	Ethernet Switch Type I	11.000 EACH	5,500.00000	60,500.00	4,260.00000	46,860.00		
614-87692	Ethernet Switch Type II	36.000 EACH	6,000.00000	216,000.00	3,475.00000	125,100.00		
614-87698	Ethernet Aggregation Switch Type II	3.000 EACH	15,000.00000	45,000.00	9,985.00000	29,955.00		
620-00020	Sanitary Facility	1.000 EACH	2,500.00000	2,500.00	69,425.00000	69,425.00		
625-00000	Construction Surveying	1.000 L S	20,000.00000	20,000.00	32,500.00000	32,500.00		
626-00000	Mobilization	1.000 L S	700,000.00000	700,000.00	780,000.00000	780,000.00		
626-01113	Public Information Management (Tier III)	100.000 DAY	100.00000	10,000.00	2,635.00000	263,500.00		
630-00000	Flagging	1,200.000 HOUR	35.00000	42,000.00	40.00000	48,000.00		
630-00001	Pilot Car Operation	200.000 HOUR	80.00000	16,000.00	75.00000	15,000.00		
630-00007	Traffic Control Inspection	30.000 DAY	250.00000	7,500.00	395.00000	11,850.00		

Tabulation of Bids

Contract ID: C23838

Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 720A STURGEON ELECTRIC COMPANY, INC			
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
SECTION:	0001	BID ITEMS						
								LCC:
630-00012	Traffic Control Management	241.000 DAY	900.00000	216,900.00	2,285.00000	550,685.00		
630-80335	Barricade (Type 3 M-A) (Temporary)	2.000 EACH	250.00000	500.00	66.00000	132.00		
630-80341	Construction Traffic Sign (Panel Size A)	26.000 EACH	50.00000	1,300.00	44.00000	1,144.00		
630-80342	Construction Traffic Sign (Panel Size B)	84.000 EACH	70.00000	5,880.00	55.00000	4,620.00		
630-80343	Construction Traffic Sign (Panel Size C)	8.000 EACH	90.00000	720.00	65.00000	520.00		
630-80350	Vertical Panel	30.000 EACH	25.00000	750.00	28.00000	840.00		
630-80355	Portable Message Sign Panel	2.000 EACH	6,000.00000	12,000.00	5,885.00000	11,770.00		
630-80358	Advance Warning Flashing or Sequencing Arrow Panel (C Type)	2.000 EACH	1,250.00000	2,500.00	1,760.00000	3,520.00		
630-80363	Drum Channelizing Device (With Light) (Flashing)	50.000 EACH	50.00000	2,500.00	22.00000	1,100.00		
630-80380	Traffic Cone	275.000 EACH	10.00000	2,750.00	5.00000	1,375.00		
630-85020	Mobile Attenuator	2.000 EACH	70,000.00000	140,000.00	55,700.00000	111,400.00		
Section Totals:				\$5,167,055.00		\$8,447,636.00		
Contract Grand Totals				\$5,167,055.00		\$8,447,636.00		

Colorado Department Of Transportation

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Low Bid Item Analysis

Page 1 of 5

Contract ID: C23838

Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
SECTION:	0001	BID ITEMS						
0005	202-00720 Removal of Closed Circuit Camera	106.000	450.00000	965.00000 EACH	47,700.00	102,290.00	214.44%	54,590.00
0010	202-00810 Removal of Ground Sign	4.000	300.00000	1,285.00000 EACH	1,200.00	5,140.00	428.33%	3,940.00
0015	202-00823 Removal of Dynamic Message Sign	125.000	1,000.00000	1,285.00000 EACH	125,000.00	160,625.00	128.50%	35,625.00
0020	202-00855 Removal of Traffic Signal Controller Cabinet	1.000	2,500.00000	3,850.00000 EACH	2,500.00	3,850.00	154.00%	1,350.00
0025	203-01597 Potholing	10.000	250.00000	665.00000 HOUR	2,500.00	6,650.00	266.00%	4,150.00
0030	208-00035 Aggregate Bag	120.000	10.00000	23.00000 LF	1,200.00	2,760.00	230.00%	1,560.00
0035	208-00055 Rigid Inlet Protection Device	10.000	150.00000	905.00000 EACH	1,500.00	9,050.00	603.33%	7,550.00
0040	208-00056 Storm Drain Inlet Protection (Type III)	10.000	300.00000	510.00000 EACH	3,000.00	5,100.00	170.00%	2,100.00
0045	208-00106 Sweeping (Sediment Removal)	20.000	150.00000	605.00000 HOUR	3,000.00	12,100.00	403.33%	9,100.00
0050	208-00107 Removal of Trash	20.000	100.00000	160.00000 HOUR	2,000.00	3,200.00	160.00%	1,200.00
0055	240-00000 Wildlife Biologist	24.000	150.00000	135.00000 HOUR	3,600.00	3,240.00	90.00%	-360.00
0060	240-00010 Removal of Nests	24.000	150.00000	130.00000 HOUR	3,600.00	3,120.00	86.67%	-480.00

Colorado Department Of Transportation

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Page 2 of 5

Contract ID: C23838

Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
SECTION:	0001	BID ITEMS						
0065	613-00100 1 Inch Electrical Conduit (GRC)	2,050.000	40.00000	155.00000 LF	82,000.00	317,750.00	387.50%	235,750.00
0070	613-01200 2 Inch Electrical Conduit (Plastic)	90.000	25.00000	175.00000 LF	2,250.00	15,750.00	700.00%	13,500.00
0075	613-05606 6 Inch Wide Cable Tray	4,000.000	20.00000	140.00000 LF	80,000.00	560,000.00	700.00%	480,000.00
0080	613-07040 Pull Box (30"x48"x24")	1.000	3,500.00000	4,005.00000 EACH	3,500.00	4,005.00	114.43%	505.00
0085	613-07195 Proof Conduit	5,975.000	3.00000	17.00000 LF	17,925.00	101,575.00	566.67%	83,650.00
0090	613-10000 Wiring	1.000	50,000.00000	210,000.00000 L S	50,000.00	210,000.00	420.00%	160,000.00
0095	613-60700 Troubleshooting	100.000	135.00000	330.00000 HOUR	13,500.00	33,000.00	244.44%	19,500.00
0100	614-01026 Steel Sign Post (W 10x26)	96.000	150.00000	170.00000 LF	14,400.00	16,320.00	113.33%	1,920.00
0105	614-03006 Concrete Footing (Type 6)	6.000	4,500.00000	10,825.00000 EACH	27,000.00	64,950.00	240.56%	37,950.00
0110	614-10140 Variable Message Sign LED (Double Faced)	22.000	70,000.00000	96,065.00000 EACH	1,540,000.00	2,113,430.00	137.24%	573,430.00
0115	614-10145 Variable Message Sign LED (Single Faced)	1.000	50,000.00000	107,210.00000 EACH	50,000.00	107,210.00	214.42%	57,210.00
0120	614-10146 Variable Message Sign (LED) (Ground Mounted)	4.000	30,000.00000	58,775.00000 EACH	120,000.00	235,100.00	195.92%	115,100.00

Colorado Department Of Transportation

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Page 3 of 5

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Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
SECTION:	0001	BID ITEMS						
0125	614-10147 Variable Message Sign LED (Overhead)	4.000	40,000.00000	70,175.00000 EACH	160,000.00	280,700.00	175.44%	120,700.00
0130	614-10240 Lane Use Control Signal LED (Double Faced)	88.000	4,200.00000	11,960.00000 EACH	369,600.00	1,052,480.00	284.76%	682,880.00
0135	614-70024 1310nm SFP Optic Module	120.000	500.00000	350.00000 EACH	60,000.00	42,000.00	70.00%	-18,000.00
0140	614-72830 Communications Cabinet	1.000	25,000.00000	27,800.00000 EACH	25,000.00	27,800.00	111.20%	2,800.00
0145	614-72831 Communications Cabinet (Type 1)	4.000	25,000.00000	28,900.00000 EACH	100,000.00	115,600.00	115.60%	15,600.00
0150	614-72895 Vehicle Detection System (Single Camera)	2.000	8,500.00000	7,130.00000 EACH	17,000.00	14,260.00	83.88%	-2,740.00
0155	614-80000 Flashing Beacon	6.000	750.00000	1,930.00000 EACH	4,500.00	11,580.00	257.33%	7,080.00
0160	614-87006 Fiber Optic Termination Panel (6 Fiber)	12.000	800.00000	830.00000 EACH	9,600.00	9,960.00	103.75%	360.00
0165	614-87320 Closed Circuit Television	63.000	4,000.00000	4,435.00000 EACH	252,000.00	279,405.00	110.88%	27,405.00
0170	614-87333 Closed Circuit Television Camera (Traffic Surveillance)	45.000	8,000.00000	7,680.00000 EACH	360,000.00	345,600.00	96.00%	-14,400.00
0175	614-87350 Test Fiber Optic Cable	1.000	20,000.00000	19,400.00000 L S	20,000.00	19,400.00	97.00%	-600.00
0180	614-87425 Fiber Optic Cable (Multi Mode) (24 Strands)	10,835.000	8.00000	4.00000 LF	86,680.00	43,340.00	50.00%	-43,340.00

Colorado Department Of Transportation

Printed On: 01/06/2022

Low Bid Item Analysis

Page 4 of 5

Contract ID: C23838

Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
SECTION:	0001	BID ITEMS						
0185	614-87691 Ethernet Switch Type I	11.000	5,500.00000	4,260.00000 EACH	60,500.00	46,860.00	77.45%	-13,640.00
0190	614-87692 Ethernet Switch Type II	36.000	6,000.00000	3,475.00000 EACH	216,000.00	125,100.00	57.92%	-90,900.00
0195	614-87698 Ethernet Aggregation Switch Type II	3.000	15,000.00000	9,985.00000 EACH	45,000.00	29,955.00	66.57%	-15,045.00
0200	620-00020 Sanitary Facility	1.000	2,500.00000	69,425.00000 EACH	2,500.00	69,425.00	2777.00%	66,925.00
0205	625-00000 Construction Surveying	1.000	20,000.00000	32,500.00000 L S	20,000.00	32,500.00	162.50%	12,500.00
0210	626-00000 Mobilization	1.000	700,000.00000	780,000.00000 L S	700,000.00	780,000.00	111.43%	80,000.00
0215	626-01113 Public Information Management (Tier III)	100.000	100.00000	2,635.00000 DAY	10,000.00	263,500.00	2635.00%	253,500.00
0220	630-00000 Flagging	1,200.000	35.00000	40.00000 HOUR	42,000.00	48,000.00	114.29%	6,000.00
0225	630-00001 Pilot Car Operation	200.000	80.00000	75.00000 HOUR	16,000.00	15,000.00	93.75%	-1,000.00
0230	630-00007 Traffic Control Inspection	30.000	250.00000	395.00000 DAY	7,500.00	11,850.00	158.00%	4,350.00
0235	630-00012 Traffic Control Management	241.000	900.00000	2,285.00000 DAY	216,900.00	550,685.00	253.89%	333,785.00
0240	630-80335 Barricade (Type 3 M-A) (Temporary)	2.000	250.00000	66.00000 EACH	500.00	132.00	26.40%	-368.00

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Page 5 of 5

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Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
SECTION:	0001	BID ITEMS						
0245	630-80341 Construction Traffic Sign (Panel Size A)	26.000	50.00000	44.00000 EACH	1,300.00	1,144.00	88.00%	-156.00
0250	630-80342 Construction Traffic Sign (Panel Size B)	84.000	70.00000	55.00000 EACH	5,880.00	4,620.00	78.57%	-1,260.00
0255	630-80343 Construction Traffic Sign (Panel Size C)	8.000	90.00000	65.00000 EACH	720.00	520.00	72.22%	-200.00
0260	630-80350 Vertical Panel	30.000	25.00000	28.00000 EACH	750.00	840.00	112.00%	90.00
0265	630-80355 Portable Message Sign Panel	2.000	6,000.00000	5,885.00000 EACH	12,000.00	11,770.00	98.08%	-230.00
0270	630-80358 Advance Warning Flashing or Sequencing Arrow Panel (C Type)	2.000	1,250.00000	1,760.00000 EACH	2,500.00	3,520.00	140.80%	1,020.00
0275	630-80363 Drum Channelizing Device (With Light) (Flashing)	50.000	50.00000	22.00000 EACH	2,500.00	1,100.00	44.00%	-1,400.00
0280	630-80380 Traffic Cone	275.000	10.00000	5.00000 EACH	2,750.00	1,375.00	50.00%	-1,375.00
0285	630-85020 Mobile Attenuator	2.000	70,000.00000	55,700.00000 EACH	140,000.00	111,400.00	79.57%	-28,600.00
Section 0001 Subtotal					\$5,167,055.00	\$8,447,636.00	163.49%	\$3,280,581.00
Contract Total for Calculated Low Bidders Bid Items					\$5,167,055.00	\$8,447,636.00	163.49%	\$3,280,581.00