

Colorado Department Of Transportation
Low Bid Summary

Printed On: **01/06/2022**

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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

Colorado Department Of TransportationPrinted On: **01/06/2022****Vendor Ranking**

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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

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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								
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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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								
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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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								
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

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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								
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

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Low Bid Item Analysis

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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	2,050.000	40.00000	155.000000 LF	82,000.00	317,750.00	387.50%	235,750.00	
	1 Inch Electrical Conduit (GRC)								
0070	613-01200	90.000	25.00000	175.000000 LF	2,250.00	15,750.00	700.00%	13,500.00	
	2 Inch Electrical Conduit (Plastic)								
0075	613-05606	4,000.000	20.00000	140.000000 LF	80,000.00	560,000.00	700.00%	480,000.00	
	6 Inch Wide Cable Tray								
0080	613-07040	1.000	3,500.00000	4,005.000000 EACH	3,500.00	4,005.00	114.43%	505.00	
	Pull Box (30"x48"x24")								
0085	613-07195	5,975.000	3.00000	17.000000 LF	17,925.00	101,575.00	566.67%	83,650.00	
	Proof Conduit								
0090	613-10000	1.000	50,000.00000	210,000.000000 L S	50,000.00	210,000.00	420.00%	160,000.00	
	Wiring								
0095	613-60700	100.000	135.00000	330.000000 HOUR	13,500.00	33,000.00	244.44%	19,500.00	
	Troubleshooting								
0100	614-01026	96.000	150.00000	170.000000 LF	14,400.00	16,320.00	113.33%	1,920.00	
	Steel Sign Post (W 10x26)								
0105	614-03006	6.000	4,500.00000	10,825.000000 EACH	27,000.00	64,950.00	240.56%	37,950.00	
	Concrete Footing (Type 6)								
0110	614-10140	22.000	70,000.00000	96,065.000000 EACH	1,540,000.00	2,113,430.00	137.24%	573,430.00	
	Variable Message Sign LED (Double Faced)								
0115	614-10145	1.000	50,000.00000	107,210.000000 EACH	50,000.00	107,210.00	214.42%	57,210.00	
	Variable Message Sign LED (Single Faced)								
0120	614-10146	4.000	30,000.00000	58,775.000000 EACH	120,000.00	235,100.00	195.92%	115,100.00	
	Variable Message Sign (LED) (Ground Mounted)								

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Contract ID: C23838

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

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Low Bid Item Analysis

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

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Low Bid Item Analysis

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Contract ID: C23838

Line	Item/ Description	Quantity	Estimated Price	Bid Price/ Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
SECTION: 0001 BID ITEMS								
0245	630-80341	26.000	50.00000	44.00000 EACH	1,300.00	1,144.00	88.00%	-156.00
0250	Construction Traffic Sign (Panel Size A)							
0255	630-80342	84.000	70.00000	55.00000 EACH	5,880.00	4,620.00	78.57%	-1,260.00
0260	Construction Traffic Sign (Panel Size B)							
0265	630-80343	8.000	90.00000	65.00000 EACH	720.00	520.00	72.22%	-200.00
0270	Construction Traffic Sign (Panel Size C)							
0275	630-80350	30.000	25.00000	28.00000 EACH	750.00	840.00	112.00%	90.00
0280	Vertical Panel							
0285	630-80355	2.000	6,000.00000	5,885.00000 EACH	12,000.00	11,770.00	98.08%	-230.00
0290	Portable Message Sign Panel							
0295	630-80358	2.000	1,250.00000	1,760.00000 EACH	2,500.00	3,520.00	140.80%	1,020.00
0300	Advance Warning Flashing or Sequencing Arrow							
0305	Panel (C Type)							
0310	630-80363	50.000	50.00000	22.00000 EACH	2,500.00	1,100.00	44.00%	-1,400.00
0315	Drum Channelizing Device (With Light)							
0320	(Flashing)							
0325	630-80380	275.000	10.00000	5.00000 EACH	2,750.00	1,375.00	50.00%	-1,375.00
0330	Traffic Cone							
0335	630-85020	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%
Contract Total for Calculated Low Bidders Bid Items						\$5,167,055.00	\$8,447,636.00	163.49%
								\$3,280,581.00