

Colorado Department Of Transportation

Printed On: 10/21/2016

Low Bid Summary

Page 1 of 1

Letting Date: October 20, 2016

Call Order	Contract ID	Project(s)	# of Bids	Low Bidder	Estimated Cost	Corrected Bid	Percent of Estimate	Overrun (+) Underrun (-)
001	C20771	ITSR100-238	2	STURGEON ELECTRIC COMPANY, INC.	\$2,375,297.50	\$2,569,548.50	108.18%	\$194,251.00
Letting Totals			2		\$2,375,297.50	\$2,569,548.50	108.18%	\$194,251.00

**Colorado Department Of Transportation**

Printed On: **10/21/2016**

**Vendor Ranking**

Page 1 of 1

Letting No: 20161020	Contract ID: C20771	Project(s): ITSR100-238
Letting Date: October 20, 2016	Region: 0010	
Letting Time: 10:00 AM	Contract Time: 210 WORKING DAYS	Counties: STATEWIDE

**Contract Description:**

This project will consist of Node Building Equipment Ethernet Upgrade, and reset, remove and/or installation of ITS devices around the Denver Metro Area.

The Equipment Network/Ethernet Upgrade will include field switches to be retrofitted on existing ITS devices, and removal of existing network equipment at various Node Buildings.

Infrastructure items will include bored conduit, trenched conduit, pull boxes, manholes, and installation of new cameras.

A mandatory PRE-BID conference will be held on October 13, 2016 beginning at 10:00 AM. at 425 Corporate Circle, Unit C, Golden, CO 80401.

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
0	-EST-	Engineer's Estimate	\$2,375,297.50	92.44%	100.00%
1	720A	STURGEON ELECTRIC COMPANY, INC.	\$2,569,548.50	100.00%	108.18%
2	1507A	PAONIA, INC dba PAONIA, LLC	\$2,821,061.55	109.79%	118.77%

Tabulation of Bids

Letting No: 20161020  
 Letting Date: October 20, 2016  
 Letting Time: 10:00 AM

Contract ID: C20771  
 Region: 0010

Counties: STATEWIDE

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 ROADWAY				<b>LCC:</b>			
202-00050	Removal of ITS Node Equipment	1.000 L S	40,000.00000	40,000.00	25,625.00000	25,625.00	35,000.00000	35,000.00
202-00715	Removal of Closed Circuit Television Pole	4.000 EACH	480.00000	1,920.00	1,490.00000	5,960.00	1,500.00000	6,000.00
202-00720	Removal of Closed Circuit Camera	32.000 EACH	650.00000	20,800.00	315.00000	10,080.00	500.00000	16,000.00
202-00827	Removal of Pull Box	25.000 EACH	170.00000	4,250.00	160.00000	4,000.00	500.00000	12,500.00
203-01549	Pump	10.000 HOUR	100.00000	1,000.00	315.00000	3,150.00	500.00000	5,000.00
203-01597	Potholing	200.000 HOUR	220.00000	44,000.00	255.00000	51,000.00	200.00000	40,000.00
208-00008	Erosion Log Type 2 (12 Inch)	300.000 LF	8.00000	2,400.00	30.00000	9,000.00	6.00000	1,800.00
208-00035	Aggregate Bag	200.000 LF	8.00000	1,600.00	30.00000	6,000.00	6.00000	1,200.00
208-00045	Concrete Washout Structure	2.000 EACH	1,400.00000	2,800.00	545.00000	1,090.00	500.00000	1,000.00
208-00051	Storm Drain Inlet Protection (Type I)	50.000 LF	8.00000	400.00	47.00000	2,350.00	20.00000	1,000.00
208-00103	Removal and Disposal of Sediment (Labor)	50.000 HOUR	55.00000	2,750.00	50.00000	2,500.00	100.00000	5,000.00
208-00105	Removal and Disposal of Sediment (Equipment)	50.000 HOUR	110.00000	5,500.00	90.00000	4,500.00	100.00000	5,000.00
208-00106	Sweeping (Sediment Removal)	60.000 HOUR	150.00000	9,000.00	315.00000	18,900.00	86.25000	5,175.00
208-00207	Erosion Control Management	5.000 DAY	220.00000	1,100.00	465.00000	2,325.00	800.00000	4,000.00

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<b>SECTION:</b>	0001 ROADWAY				<b>LCC:</b>			
210-00476	Reset Microwave Vehicle Radar Detector (MVRD)	1.000 EACH	2,700.00000	2,700.00	1,125.00000	1,125.00	2,500.00000	2,500.00
210-00477	Reset Weather Station	1.000 EACH	3,000.00000	3,000.00	5,525.00000	5,525.00	2,500.00000	2,500.00
210-00815	Reset Sign Panel	1.000 EACH	190.00000	190.00	3,760.00000	3,760.00	1,000.00000	1,000.00
210-00847	Reset Travel Time Indicator	1.000 EACH	2,000.00000	2,000.00	1,125.00000	1,125.00	2,500.00000	2,500.00
212-00006	Seeding (Native)	0.900 ACRE	800.00000	720.00	2,155.00000	1,939.50	6,500.00000	5,850.00
212-00032	Soil Conditioning	0.900 ACRE	2,000.00000	1,800.00	5,265.00000	4,738.50	4,000.00000	3,600.00
213-00003	Mulching (Weed Free)	0.900 ACRE	1,000.00000	900.00	7,025.00000	6,322.50	977.50000	879.75
503-00036	Drilled Caisson (36 Inch)	126.000 LF	500.00000	63,000.00	485.00000	61,110.00	517.78000	65,240.28
503-00042	Drilled Caisson (42 Inch)	21.000 LF	600.00000	12,600.00	515.00000	10,815.00	906.67000	19,040.07
604-39000	Manhole Special	11.000 EACH	5,800.00000	63,800.00	5,655.00000	62,205.00	6,195.85000	68,154.35
612-00260	Location Marker (Fiber Optic)(Dome)	25.000 EACH	140.00000	3,500.00	105.00000	2,625.00	126.45000	3,161.25
612-00270	Location Marker (Utility)(Flat Slat)	16.000 EACH	120.00000	1,920.00	60.00000	960.00	119.84000	1,917.44
613-00206	2 Inch Electrical Conduit (Bored)	2,135.000 LF	20.00000	42,700.00	18.00000	38,430.00	15.00000	32,025.00
613-01200	2 Inch Electrical Conduit (Plastic)	1,660.000 LF	15.00000	24,900.00	9.00000	14,940.00	20.00000	33,200.00

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			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION:</b>	0001 ROADWAY				<b>LCC:</b>			
613-04100	Electrical System Modifications	1.000 L S	65,000.00000	65,000.00	40,200.00000	40,200.00	150,000.00000	150,000.00
613-07000	Pull Box (Special)	13.000 EACH	3,500.00000	45,500.00	4,155.00000	54,015.00	5,172.90000	67,247.70
613-07023	Pull Box (24"x36"x24")	17.000 EACH	1,600.00000	27,200.00	2,105.00000	35,785.00	3,668.99000	62,372.83
613-07040	Pull Box (30"x48"x24")	1.000 EACH	1,900.00000	1,900.00	2,660.00000	2,660.00	4,038.00000	4,038.00
613-07195	Proof Conduit	1,570.000 LF	1.50000	2,355.00	3.00000	4,710.00	3.00000	4,710.00
613-10000	Wiring	1.000 L S	40,000.00000	40,000.00	27,555.00000	27,555.00	30,000.00000	30,000.00
613-80130	Service Meter Cabinet	9.000 EACH	6,000.00000	54,000.00	5,310.00000	47,790.00	7,000.00000	63,000.00
614-10116	Dynamic Message Sign Controller	1.000 EACH	16,500.00000	16,500.00	24,895.00000	24,895.00	30,632.00000	30,632.00
614-10147	Variable Message Sign LED (Overhead)	1.000 EACH	90,000.00000	90,000.00	85,785.00000	85,785.00	82,792.50000	82,792.50
614-70024	1310nm SFP Optic Module	79.000 EACH	200.00000	15,800.00	300.00000	23,700.00	690.00000	54,510.00
614-70026	CWDM Multiplexor Demultiplexor Module	11.000 EACH	6,300.00000	69,300.00	9,430.00000	103,730.00	5,621.32000	61,834.52
614-70028	CWDM SFP Optic Module	98.000 EACH	800.00000	78,400.00	1,040.00000	101,920.00	511.75000	50,151.50
614-70030	Optical Attenuator	177.000 EACH	200.00000	35,400.00	95.00000	16,815.00	97.75000	17,301.75
614-70032	Optical Filter	168.000 EACH	350.00000	58,800.00	465.00000	78,120.00	460.00000	77,280.00

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<b>SECTION:</b>	0001 ROADWAY				<b>LCC:</b>			
614-72832	Communications Cabinet (Type 2)	7.000 EACH	12,000.00000	84,000.00	10,920.00000	76,440.00	9,665.00000	67,655.00
614-86007	Serial to IP Converter (For MVRD)	13.000 EACH	1,500.00000	19,500.00	1,005.00000	13,065.00	1,437.50000	18,687.50
614-87006	Fiber Optic Termination Panel (6 Fiber)	9.000 EACH	1,050.00000	9,450.00	400.00000	3,600.00	932.28000	8,390.52
614-87010	Fiber Optic Cable (Single Mode) (12 Fiber)	27,965.000 LF	4.50000	125,842.50	2.20000	61,523.00	7.19000	201,068.35
614-87015	Buffer Tube Fan Out Kit	34.000 EACH	400.00000	13,600.00	2,940.00000	99,960.00	110.50000	3,757.00
614-87024	Fiber Optic Termination Panel (24 Fiber)	23.000 EACH	1,250.00000	28,750.00	780.00000	17,940.00	2,395.60000	55,098.80
614-87096	Fiber Optic Termination Panel (96 Fiber)	3.000 EACH	2,000.00000	6,000.00	13,665.00000	40,995.00	6,911.48000	20,734.44
614-87310	Traffic Management System Building Equipment	1.000 L S	65,000.00000	65,000.00	280,945.00000	280,945.00	350,000.00000	350,000.00
614-87320	Closed Circuit Television	33.000 EACH	5,500.00000	181,500.00	4,870.00000	160,710.00	5,000.00000	165,000.00
614-87350	Test Fiber Optic Cable	1.000 L S	55,000.00000	55,000.00	41,885.00000	41,885.00	172,120.00000	172,120.00
614-87364	Closed Circuit Television Pole with Lowering Device (50 Feet)	7.000 EACH	20,000.00000	140,000.00	23,045.00000	161,315.00	23,000.00000	161,000.00
614-87366	Closed Circuit Television Pole with Lowering Device (60 Feet)	1.000 EACH	25,000.00000	25,000.00	23,200.00000	23,200.00	32,000.00000	32,000.00
614-87691	Ethernet Switch Type I (3931)	12.000 EACH	3,800.00000	45,600.00	4,445.00000	53,340.00	3,832.00000	45,984.00

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			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION:</b>	0001 ROADWAY				<b>LCC:</b>			
614-87692	Ethernet Switch Type II (3930)	39.000 EACH	3,800.00000	148,200.00	3,575.00000	139,425.00	4,063.00000	158,457.00
614-87693	Ethernet Switch Type III (3916)	9.000 EACH	3,800.00000	34,200.00	4,735.00000	42,615.00	5,000.00000	45,000.00
614-87695	Ethernet Switch Type IV (Install Only) (3902)	2.000 EACH	2,000.00000	4,000.00	275.00000	550.00	1,000.00000	2,000.00
614-87702	Ethernet Radio (Pair)	3.000 EACH	15,000.00000	45,000.00	12,950.00000	38,850.00	11,500.00000	34,500.00
620-00020	Sanitary Facility	2.000 EACH	900.00000	1,800.00	4,770.00000	9,540.00	575.00000	1,150.00
626-00000	Mobilization	1.000 L S	260,000.00000	260,000.00	129,000.00000	129,000.00	10,000.00000	10,000.00
630-00000	Flagging	60.000 HOUR	25.00000	1,500.00	27.00000	1,620.00	24.00000	1,440.00
630-00007	Traffic Control Inspection	10.000 DAY	190.00000	1,900.00	200.00000	2,000.00	180.00000	1,800.00
630-00012	Traffic Control Management	100.000 DAY	775.00000	77,500.00	1,110.00000	111,000.00	837.25000	83,725.00
630-80335	Barricade (Type 3 M-A) (Temporary)	6.000 EACH	180.00000	1,080.00	50.00000	300.00	45.00000	270.00
630-80341	Construction Traffic Sign (Panel Size A)	16.000 EACH	45.00000	720.00	50.00000	800.00	45.00000	720.00
630-80342	Construction Traffic Sign (Panel Size B)	52.000 EACH	60.00000	3,120.00	60.00000	3,120.00	55.00000	2,860.00
630-80343	Construction Traffic Sign (Panel Size C)	16.000 EACH	80.00000	1,280.00	55.00000	880.00	50.00000	800.00
630-80350	Vertical Panel	50.000 EACH	25.00000	1,250.00	35.00000	1,750.00	30.00000	1,500.00

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			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION:</b>	0001 ROADWAY				<b>LCC:</b>			
630-80355	Portable Message Sign Panel	2.000 EACH	6,000.00000	12,000.00	4,675.00000	9,350.00	4,250.00000	8,500.00
630-80358	Advance Warning Flashing or Sequencing Arrow Panel (C Type)	2.000 EACH	1,500.00000	3,000.00	1,225.00000	2,450.00	1,115.00000	2,230.00
630-80360	Drum Channelizing Device	60.000 EACH	35.00000	2,100.00	40.00000	2,400.00	35.00000	2,100.00
630-80380	Traffic Cone	200.000 EACH	10.00000	2,000.00	6.00000	1,200.00	5.00000	1,000.00
630-85041	Mobile Attenuator	40.000 DAY	350.00000	14,000.00	700.00000	28,000.00	635.00000	25,400.00
<b>Section Totals:</b>				\$2,375,297.50		\$2,569,548.50		\$2,821,061.55
<b>Contract Grand Totals</b>				<b>\$2,375,297.50</b>		<b>\$2,569,548.50</b>		<b>\$2,821,061.55</b>



**Colorado Department Of Transportation**

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**Low Bid Item Analysis**

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Letting No: 20161020  
 Letting Date: October 20, 2016  
 Letting Time: 10:00 AM

Contract ID: C20771  
 Region: 0010  
 Contract Time: 210 WORKING DAYS

Counties: STATEWIDE  
 Project(s): ITS100-238

**Contract Description:**

This project will consist of Node Building Equipment Ethernet Upgrade, and reset, remove and/or installation of ITS devices around the Denver Metro Area.

The Equipment Network/Ethernet Upgrade will include field switches to be retrofitted on existing ITS devices, and removal of existing network equipment at various Node Buildings.

Infrastructure items will include bored conduit, trenched conduit, pull boxes, manholes, and installation of new cameras.

A mandatory PRE-BID conference will be held on October 13, 2016 beginning at 10:00 AM. at 425 Corporate Circle, Unit C, Golden, CO 80401.

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	ROADWAY						
0005	202-00050 Removal of ITS Node Equipment	1.000	40,000.00000	25,625.00000 L S	40,000.00	25,625.00	64.06%	-14,375.00
0010	202-00715 Removal of Closed Circuit Television Pole	4.000	480.00000	1,490.00000 EACH	1,920.00	5,960.00	310.42%	4,040.00
0015	202-00720 Removal of Closed Circuit Camera	32.000	650.00000	315.00000 EACH	20,800.00	10,080.00	48.46%	-10,720.00
0020	202-00827 Removal of Pull Box	25.000	170.00000	160.00000 EACH	4,250.00	4,000.00	94.12%	-250.00

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Low Bid Item Analysis

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<b>SECTION:</b>	0001	ROADWAY						
0025	203-01549 Pump	10.000	100.00000	315.00000 HOUR	1,000.00	3,150.00	315.00%	2,150.00
0030	203-01597 Potholing	200.000	220.00000	255.00000 HOUR	44,000.00	51,000.00	115.91%	7,000.00
0035	208-00008 Erosion Log Type 2 (12 Inch)	300.000	8.00000	30.00000 LF	2,400.00	9,000.00	375.00%	6,600.00
0040	208-00035 Aggregate Bag	200.000	8.00000	30.00000 LF	1,600.00	6,000.00	375.00%	4,400.00

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<b>SECTION:</b>	0001	ROADWAY						
0045	208-00045 Concrete Washout Structure	2.000	1,400.00000	545.00000 EACH	2,800.00	1,090.00	38.93%	-1,710.00
0050	208-00051 Storm Drain Inlet Protection (Type I)	50.000	8.00000	47.00000 LF	400.00	2,350.00	587.50%	1,950.00
0055	208-00103 Removal and Disposal of Sediment (Labor)	50.000	55.00000	50.00000 HOUR	2,750.00	2,500.00	90.91%	-250.00
0060	208-00105 Removal and Disposal of Sediment (Equipment)	50.000	110.00000	90.00000 HOUR	5,500.00	4,500.00	81.82%	-1,000.00

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<b>SECTION:</b>	0001	ROADWAY						
0065	208-00106 Sweeping (Sediment Removal)	60.000	150.00000	315.00000 HOUR	9,000.00	18,900.00	210.00%	9,900.00
0070	208-00207 Erosion Control Management	5.000	220.00000	465.00000 DAY	1,100.00	2,325.00	211.36%	1,225.00
0075	210-00476 Reset Microwave Vehicle Radar Detector (MVRD)	1.000	2,700.00000	1,125.00000 EACH	2,700.00	1,125.00	41.67%	-1,575.00
0080	210-00477 Reset Weather Station	1.000	3,000.00000	5,525.00000 EACH	3,000.00	5,525.00	184.17%	2,525.00

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<b>SECTION:</b>	0001	ROADWAY						
0085	210-00815 Reset Sign Panel	1.000	190.00000	3,760.00000 EACH	190.00	3,760.00	1978.95%	3,570.00
0090	210-00847 Reset Travel Time Indicator	1.000	2,000.00000	1,125.00000 EACH	2,000.00	1,125.00	56.25%	-875.00
0095	212-00006 Seeding (Native)	0.900	800.00000	2,155.00000 ACRE	720.00	1,939.50	269.38%	1,219.50
0100	212-00032 Soil Conditioning	0.900	2,000.00000	5,265.00000 ACRE	1,800.00	4,738.50	263.25%	2,938.50

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Letting No: 20161020	Contract ID: C20771	Counties: STATEWIDE
Letting Date: October 20, 2016	Region: 0010	
Letting Time: 10:00 AM	Contract Time: 210 WORKING DAYS	Project(s): ITS100-238

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	ROADWAY						
0105	213-00003 Mulching (Weed Free)	0.900	1,000.00000	7,025.00000 ACRE	900.00	6,322.50	702.50%	5,422.50
0110	503-00036 Drilled Caisson (36 Inch)	126.000	500.00000	485.00000 LF	63,000.00	61,110.00	97.00%	-1,890.00
0115	503-00042 Drilled Caisson (42 Inch)	21.000	600.00000	515.00000 LF	12,600.00	10,815.00	85.83%	-1,785.00
0120	604-39000 Manhole Special	11.000	5,800.00000	5,655.00000 EACH	63,800.00	62,205.00	97.50%	-1,595.00

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 Contract Time: 210 WORKING DAYS

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<b>SECTION:</b>	0001	ROADWAY						
0125	612-00260 Location Marker (Fiber Optic)(Dome)	25.000	140.00000	105.00000 EACH	3,500.00	2,625.00	75.00%	-875.00
0130	612-00270 Location Marker (Utility)(Flat Slat)	16.000	120.00000	60.00000 EACH	1,920.00	960.00	50.00%	-960.00
0135	613-00206 2 Inch Electrical Conduit (Bored)	2,135.000	20.00000	18.00000 LF	42,700.00	38,430.00	90.00%	-4,270.00
0140	613-01200 2 Inch Electrical Conduit (Plastic)	1,660.000	15.00000	9.00000 LF	24,900.00	14,940.00	60.00%	-9,960.00

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<b>SECTION:</b>	0001	ROADWAY						
0145	613-04100 Electrical System Modifications	1.000	65,000.00000	40,200.00000 L S	65,000.00	40,200.00	61.85%	-24,800.00
0150	613-07000 Pull Box (Special)	13.000	3,500.00000	4,155.00000 EACH	45,500.00	54,015.00	118.71%	8,515.00
0155	613-07023 Pull Box (24"x36"x24")	17.000	1,600.00000	2,105.00000 EACH	27,200.00	35,785.00	131.56%	8,585.00
0160	613-07040 Pull Box (30"x48"x24")	1.000	1,900.00000	2,660.00000 EACH	1,900.00	2,660.00	140.00%	760.00



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<b>SECTION:</b>	0001	ROADWAY						
0165	613-07195 Proof Conduit	1,570.000	1.50000	3.00000 LF	2,355.00	4,710.00	200.00%	2,355.00
0170	613-10000 Wiring	1.000	40,000.00000	27,555.00000 L S	40,000.00	27,555.00	68.89%	-12,445.00
0175	613-80130 Service Meter Cabinet	9.000	6,000.00000	5,310.00000 EACH	54,000.00	47,790.00	88.50%	-6,210.00
0180	614-10116 Dynamic Message Sign Controller	1.000	16,500.00000	24,895.00000 EACH	16,500.00	24,895.00	150.88%	8,395.00

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<b>SECTION:</b>	0001	ROADWAY						
0185	614-10147 Variable Message Sign LED (Overhead)	1.000	90,000.00000	85,785.00000 EACH	90,000.00	85,785.00	95.32%	-4,215.00
0190	614-70024 1310nm SFP Optic Module	79.000	200.00000	300.00000 EACH	15,800.00	23,700.00	150.00%	7,900.00
0195	614-70026 CWDM Multiplexor Demultiplexor Module	11.000	6,300.00000	9,430.00000 EACH	69,300.00	103,730.00	149.68%	34,430.00
0200	614-70028 CWDM SFP Optic Module	98.000	800.00000	1,040.00000 EACH	78,400.00	101,920.00	130.00%	23,520.00

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<b>SECTION:</b>	0001	ROADWAY						
0205	614-70030 Optical Attenuator	177.000	200.00000	95.00000 EACH	35,400.00	16,815.00	47.50%	-18,585.00
0210	614-70032 Optical Filter	168.000	350.00000	465.00000 EACH	58,800.00	78,120.00	132.86%	19,320.00
0215	614-72832 Communications Cabinet (Type 2)	7.000	12,000.00000	10,920.00000 EACH	84,000.00	76,440.00	91.00%	-7,560.00
0220	614-86007 Serial to IP Converter (For MVRD)	13.000	1,500.00000	1,005.00000 EACH	19,500.00	13,065.00	67.00%	-6,435.00

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<b>SECTION:</b>	0001	ROADWAY						
0225	614-87006 Fiber Optic Termination Panel (6 Fiber)	9.000	1,050.00000	400.00000 EACH	9,450.00	3,600.00	38.10%	-5,850.00
0230	614-87010 Fiber Optic Cable (Single Mode) (12 Fiber)	27,965.000	4.50000	2.20000 LF	125,842.50	61,523.00	48.89%	-64,319.50
0235	614-87015 Buffer Tube Fan Out Kit	34.000	400.00000	2,940.00000 EACH	13,600.00	99,960.00	735.00%	86,360.00
0240	614-87024 Fiber Optic Termination Panel (24 Fiber)	23.000	1,250.00000	780.00000 EACH	28,750.00	17,940.00	62.40%	-10,810.00

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<b>SECTION:</b>	0001	ROADWAY						
0245	614-87096 Fiber Optic Termination Panel (96 Fiber)	3.000	2,000.00000	13,665.00000 EACH	6,000.00	40,995.00	683.25%	34,995.00
0250	614-87310 Traffic Management System Building Equipment	1.000	65,000.00000	280,945.00000 L S	65,000.00	280,945.00	432.22%	215,945.00
0255	614-87320 Closed Circuit Television	33.000	5,500.00000	4,870.00000 EACH	181,500.00	160,710.00	88.55%	-20,790.00
0260	614-87350 Test Fiber Optic Cable	1.000	55,000.00000	41,885.00000 L S	55,000.00	41,885.00	76.15%	-13,115.00

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<b>SECTION:</b>	0001	ROADWAY						
0265	614-87364 Closed Circuit Television Pole with Lowering Device (50 Feet)	7.000	20,000.00000	23,045.00000 EACH	140,000.00	161,315.00	115.23%	21,315.00
0270	614-87366 Closed Circuit Television Pole with Lowering Device (60 Feet)	1.000	25,000.00000	23,200.00000 EACH	25,000.00	23,200.00	92.80%	-1,800.00
0275	614-87691 Ethernet Switch Type I (3931)	12.000	3,800.00000	4,445.00000 EACH	45,600.00	53,340.00	116.97%	7,740.00

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<b>SECTION:</b>	0001	ROADWAY						
0280	614-87692 Ethernet Switch Type II (3930)	39.000	3,800.00000	3,575.00000 EACH	148,200.00	139,425.00	94.08%	-8,775.00
0285	614-87693 Ethernet Switch Type III (3916)	9.000	3,800.00000	4,735.00000 EACH	34,200.00	42,615.00	124.61%	8,415.00
0290	614-87695 Ethernet Switch Type IV (Install Only) (3902)	2.000	2,000.00000	275.00000 EACH	4,000.00	550.00	13.75%	-3,450.00
0295	614-87702 Ethernet Radio (Pair)	3.000	15,000.00000	12,950.00000 EACH	45,000.00	38,850.00	86.33%	-6,150.00

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<b>SECTION:</b>	0001	ROADWAY						
0300	620-00020 Sanitary Facility	2.000	900.00000	4,770.00000 EACH	1,800.00	9,540.00	530.00%	7,740.00
0305	626-00000 Mobilization	1.000	260,000.00000	129,000.00000 L S	260,000.00	129,000.00	49.62%	-131,000.00
0310	630-00000 Flagging	60.000	25.00000	27.00000 HOUR	1,500.00	1,620.00	108.00%	120.00
0315	630-00007 Traffic Control Inspection	10.000	190.00000	200.00000 DAY	1,900.00	2,000.00	105.26%	100.00



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<b>SECTION:</b>	0001	ROADWAY						
0320	630-00012 Traffic Control Management	100.000	775.00000	1,110.00000 DAY	77,500.00	111,000.00	143.23%	33,500.00
0325	630-80335 Barricade (Type 3 M-A) (Temporary)	6.000	180.00000	50.00000 EACH	1,080.00	300.00	27.78%	-780.00
0330	630-80341 Construction Traffic Sign (Panel Size A)	16.000	45.00000	50.00000 EACH	720.00	800.00	111.11%	80.00
0335	630-80342 Construction Traffic Sign (Panel Size B)	52.000	60.00000	60.00000 EACH	3,120.00	3,120.00	100.00%	0.00

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<b>SECTION:</b>	0001	ROADWAY						
0340	630-80343 Construction Traffic Sign (Panel Size C)	16.000	80.00000	55.00000 EACH	1,280.00	880.00	68.75%	-400.00
0345	630-80350 Vertical Panel	50.000	25.00000	35.00000 EACH	1,250.00	1,750.00	140.00%	500.00
0350	630-80355 Portable Message Sign Panel	2.000	6,000.00000	4,675.00000 EACH	12,000.00	9,350.00	77.92%	-2,650.00
0355	630-80358 Advance Warning Flashing or Sequencing Arrow Panel (C Type)	2.000	1,500.00000	1,225.00000 EACH	3,000.00	2,450.00	81.67%	-550.00

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<b>SECTION:</b>	0001	ROADWAY						
0360	630-80360 Drum Channelizing Device	60.000	35.00000	40.00000 EACH	2,100.00	2,400.00	114.29%	300.00
0365	630-80380 Traffic Cone	200.000	10.00000	6.00000 EACH	2,000.00	1,200.00	60.00%	-800.00
0370	630-85041 Mobile Attenuator	40.000	350.00000	700.00000 DAY	14,000.00	28,000.00	200.00%	14,000.00
<b>Section 0001 Subtotal</b>					\$2,375,297.50	\$2,569,548.50	108.18%	\$194,251.00

Low Bid Item Analysis

Letting No: 20161020  
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**Contract Total for Calculated Low Bidders Bid Items**

<b>\$2,375,297.50</b>	<b>\$2,569,548.50</b>	<b>108.18%</b>	<b>\$194,251.00</b>
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