

**Colorado Department Of Transportation**Printed On: **01/19/2023****Low Bid Summary**

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Letting Date: December 01, 2022

Call Order	Contract ID	Project(s)	# of Bids	Low Bidder	Estimated Cost	Corrected Bid	Percent of Estimate	Overrun (+) Underrun (-)
008	C21400R	STR109A-019	2	STRUCTURES, INC.	\$5,700,000.00	\$5,635,899.39	98.88%	-\$64,100.61
Letting Totals			2		\$5,700,000.00	\$5,635,899.39	98.88%	-\$64,100.61

**Colorado Department Of Transportation**Printed On: **01/19/2023****Vendor Ranking**

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Contract ID: C21400R

**Contract Description:**

This project consists of work on structure M-22-AY carrying SH 109 over US 50, BNSF Railroad, and the Arkansas River. The work includes removing existing asphalt surfacing, class 2 and 3 deck repairs, patching concrete piers, bearing repair corbels, fiber reinforced polymer wrap, waterproofing membrane, asphalt surfacing, and a mill and overlay on the roadway approaches.

Rank	Vendor ID	Vendor Name	Total Bid	Percent Of Low Bid	Percent Of Estimate
1	1086A	STRUCTURES, INC.	\$5,635,899.39	100.00%	98.88%
0	-EST-	Engineer's Estimate	\$5,700,000.00	101.14%	100.00%
2	905A	ABCO CONTRACTING, INC.	\$6,785,575.30	120.40%	119.05%

## Tabulation of Bids

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Contract ID: C21400R

Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 1086A STRUCTURES, INC.		(2) 905A ABCO CONTRACTING, INC.	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION: 0001 Bid Items</b>								
202-00240	Removal of Asphalt Mat (Planing)	6,966.000 SY	8.00000	55,728.00	6.71000	46,741.86	10.00000	69,660.00
202-00246	Removal of Asphalt Mat (Planing) (Special)	4,693.000 SY	30.00000	140,790.00	36.06000	169,229.58	35.00000	164,255.00
202-00453	Removal of Portions of Present Structure (Class 2)	1,916.000 SY	325.00000	622,700.00	328.11000	628,658.76	322.00000	616,952.00
202-00460	Removal of Portions of Present Structure (Class 3)	238.000 SY	500.00000	119,000.00	330.10000	78,563.80	778.00000	185,164.00
202-00503	Removal of Portions of Present Structure	584.000 SY	1,100.00000	642,400.00	868.47000	507,186.48	1,325.00000	773,800.00
202-00504	Removal of Expansion Device	60.000 LF	225.00000	13,500.00	654.15000	39,249.00	225.00000	13,500.00
202-04010	Clean Inlet	80.000 EACH	150.00000	12,000.00	164.22000	13,137.60	279.00000	22,320.00
208-00002	Erosion Log Type 1 (12 Inch)	788.000 LF	5.00000	3,940.00	8.45000	6,658.60	7.00000	5,516.00
208-00020	Silt Fence	1,490.000 LF	3.00000	4,470.00	5.31000	7,911.90	2.00000	2,980.00
208-00035	Aggregate Bag	1,184.000 LF	10.00000	11,840.00	11.11000	13,154.24	9.00000	10,656.00
208-00045	Concrete Washout Structure	4.000 EACH	2,000.00000	8,000.00	2,170.76000	8,683.04	3,105.00000	12,420.00
208-00070	Vehicle Tracking Pad	4.000 EACH	3,000.00000	12,000.00	6,024.34000	24,097.36	4,133.00000	16,532.00
208-00107	Removal of Trash	10.000 HOUR	100.00000	1,000.00	146.32000	1,463.20	124.00000	1,240.00
208-00301	Temporary Diversion	60.000 LF	65.00000	3,900.00	59.78000	3,586.80	65.00000	3,900.00
212-00009	Seeding (Temporary)	0.130 ACRE	10,000.00000	1,300.00	7,759.50000	1,008.74	5,853.00000	760.89

## Tabulation of Bids

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Contract ID: C21400R

Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 1086A STRUCTURES, INC.		(2) 905A ABCO CONTRACTING, INC.	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION: 0001 Bid Items</b>								
212-00700	Organic Fertilizer	78.000 LB	5.00000	390.00	12.93000	1,008.54	4.50000	351.00
212-00701	Compost (Mechanically Applied)	9.000 CY	120.00000	1,080.00	164.39000	1,479.51	129.50000	1,165.50
212-00703	Humate	26.000 LB	5.00000	130.00	39.46000	1,025.96	7.00000	182.00
212-00704	Mycorrhizae	13.000 LB	50.00000	650.00	85.13000	1,106.69	61.00000	793.00
212-00705	Elemental Sulfur	3.000 LB	100.00000	300.00	220.43000	661.29	62.00000	186.00
212-00708	Seeding (Native) Broadcast	0.130 ACRE	15,000.00000	1,950.00	13,444.30000	1,747.76	8,645.00000	1,123.85
213-00002	Mulching (Weed Free Hay)	0.130 ACRE	7,000.00000	910.00	10,470.94000	1,361.22	8,262.00000	1,074.06
213-00061	Mulch Tackifier	28.000 LB	15.00000	420.00	38.68000	1,083.04	17.00000	476.00
217-00020	Herbicide Treatment	16.000 HOUR	175.00000	2,800.00	141.08000	2,257.28	171.00000	2,736.00
240-00010	Removal of Nests	20.000 HOUR	120.00000	2,400.00	343.27000	6,865.40	395.00000	7,900.00
240-00020	Netting	6,100.000 SY	7.00000	42,700.00	9.51000	58,011.00	19.00000	115,900.00
403-34771	Hot Mix Asphalt (Grading SX) (75) (PG 76-28)	1,618.000 TON	220.00000	355,960.00	254.60000	411,942.80	278.00000	449,804.00
411-10255	Emulsified Asphalt (Slow-Setting)	348.000 GAL	5.00000	1,740.00	5.49000	1,910.52	19.00000	6,612.00
512-00120	Bearing Repair Corbel	4.000 EACH	20,000.00000	80,000.00	16,940.74000	67,762.96	24,826.00000	99,304.00
515-00120	Waterproofing (Membrane)	4,693.000 SY	25.00000	117,325.00	27.67000	129,855.31	19.00000	89,167.00

## Tabulation of Bids

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Contract ID: C21400R

Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 1086A STRUCTURES, INC.		(2) 905A ABCO CONTRACTING, INC.	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>SECTION: 0001 Bid Items</b>								
518-00000 Bridge Compression Joint Sealer		120.000 LF	150.00000	18,000.00	143.06000	17,167.20	130.00000	15,600.00
518-01001 Bridge Expansion Joint (Asphaltic Plug)		510.000 LF	300.00000	153,000.00	315.32000	160,813.20	306.00000	156,060.00
601-03057 Concrete Class DR		260.000 CY	2,500.00000	650,000.00	1,712.90000	445,354.00	3,023.00000	785,980.00
601-06100 Concrete (Patching)		64.000 CY	6,000.00000	384,000.00	5,322.60000	340,646.40	7,455.00000	477,120.00
601-51005 Galvanic Anodes		1,300.000 EACH	35.00000	45,500.00	31.88000	41,444.00	41.00000	53,300.00
602-00000 Reinforcing Steel		8,100.000 LB	4.00000	32,400.00	1.93000	15,633.00	5.00000	40,500.00
602-00030 Reinforcing (Fiber Reinforced Polymer)(Surface)		96.000 MKFT	4,500.00000	432,000.00	3,956.81000	379,853.76	6,709.00000	644,064.00
607-11525 Fence (Plastic)		1,550.000 LF	4.00000	6,200.00	3.67000	5,688.50	6.00000	9,300.00
620-00020 Sanitary Facility		1.000 EACH	3,000.00000	3,000.00	3,052.00000	3,052.00	17,686.00000	17,686.00
626-00000 Mobilization		(1) LS	998,932.00000	998,932.00	1,230,025.	1,230,025.	1,130,000.	1,130,000.
					96000	96	00000	00
626-01113 Public Information Management (Tier III)		420.000 DAY	75.00000	31,500.00	41.80000	17,556.00	51.00000	21,420.00
627-00013 Pavement Marking Paint (High Build)		37.000 GAL	150.00000	5,550.00	104.50000	3,866.50	556.00000	20,572.00
627-30405 Preformed Thermoplastic Pavement Marking (Word-Symbol)		76.000 SF	40.00000	3,040.00	29.26000	2,223.76	35.00000	2,660.00
627-30410 Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line)		120.000 SF	25.00000	3,000.00	27.17000	3,260.40	25.00000	3,000.00
630-00000 Flagging		500.000 HOUR	35.00000	17,500.00	39.71000	19,855.00	51.00000	25,500.00

## Tabulation of Bids

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Contract ID: C21400R

Item Code	Description	Quantity	(0) -EST- Engineer's Estimate		(1) 1086A STRUCTURES, INC.		(2) 905A ABCO CONTRACTING, INC.			
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount		
<b>SECTION:</b>	0001 Bid Items		<b>LCC:</b>							
630-00007	Traffic Control Inspection	116.000 DAY	800.00000	92,800.00	545.92000	63,326.72	505.00000	58,580.00		
630-00012	Traffic Control Management	290.000 DAY	1,200.00000	348,000.00	1,045.00000	303,050.00	1,263.00000	366,270.00		
630-80001	Flashing Beacon (Portable)	10.000 EACH	1,000.00000	10,000.00	1,254.00000	12,540.00	1,516.00000	15,160.00		
630-80335	Barricade (Type 3 M-A) (Temporary)	2.000 EACH	250.00000	500.00	141.08000	282.16	126.00000	252.00		
630-80336	Barricade (Type 3 M-B) (Temporary)	5.000 EACH	350.00000	1,750.00	193.33000	966.65	568.00000	2,840.00		
630-80341	Construction Traffic Sign (Panel Size A)	8.000 EACH	55.00000	440.00	104.50000	836.00	51.00000	408.00		
630-80342	Construction Traffic Sign (Panel Size B)	26.000 EACH	65.00000	1,690.00	130.63000	3,396.38	76.00000	1,976.00		
630-80343	Construction Traffic Sign (Panel Size C)	5.000 EACH	75.00000	375.00	141.08000	705.40	126.00000	630.00		
630-80355	Portable Message Sign Panel	2.000 EACH	10,000.00000	20,000.00	23,512.50000	47,025.00	18,949.00000	37,898.00		
630-80358	Advance Warning Flashing or Sequencing Arrow Panel (C Type)	2.000 EACH	3,000.00000	6,000.00	5,225.00000	10,450.00	3,790.00000	7,580.00		
630-80360	Drum Channelizing Device	100.000 EACH	75.00000	7,500.00	67.93000	6,793.00	63.00000	6,300.00		
630-80363	Drum Channelizing Device (With Light) (Flashing)	50.000 EACH	100.00000	5,000.00	88.83000	4,441.50	126.00000	6,300.00		
630-80380	Traffic Cone	50.000 EACH	20.00000	1,000.00	18.81000	940.50	1.26000	63.00		
630-85020	Mobile Attenuator	2.000 EACH	30,000.00000	60,000.00	48,696.58000	97,393.16	56,848.00000	113,696.00		
630-86810	Traffic Signal (Temporary)	1.000 EACH	100,000.00000	100,000.00	159,903.00000	159,903.00	88,430.00000	88,430.00		

**Tabulation of Bids**

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Item Code	Description	Quantity	(0) -EST- Engineer's Estimate	(1) 1086A STRUCTURES, INC.		(2) 905A ABCO CONTRACTING, INC.		
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
Section Totals:			\$5,700,000.00		\$5,635,899.39		\$6,785,575.30	
Contract Grand Totals			\$5,700,000.00		\$5,635,899.39		\$6,785,575.30	

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## Low Bid Item Analysis

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## Low Bid Item Analysis

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Contract ID: C21400R

Line	Item/Description	Quantity	Estimated Price	Bid Price/Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
<b>SECTION:</b>	0001	Bid Items						
0060	208-00070	4.000	3,000.00000	6,024.34000 Vehicle Tracking Pad EACH	12,000.00	24,097.36	200.81%	12,097.36
0065	208-00107	10.000	100.00000	146.32000 Removal of Trash HOUR	1,000.00	1,463.20	146.32%	463.20
0070	208-00301	60.000	65.00000	59.78000 Temporary Diversion LF	3,900.00	3,586.80	91.97%	-313.20
0075	212-00009	0.130	10,000.00000	7,759.50000 Seeding (Temporary) ACRE	1,300.00	1,008.74	77.60%	-291.26
0080	212-00700	78.000	5.00000	12.93000 Organic Fertilizer LB	390.00	1,008.54	258.60%	618.54
0085	212-00701	9.000	120.00000	164.39000 Compost (Mechanically Applied) CY	1,080.00	1,479.51	136.99%	399.51
0090	212-00703	26.000	5.00000	39.46000 Humate LB	130.00	1,025.96	789.20%	895.96
0095	212-00704	13.000	50.00000	85.13000 Mycorrhizae LB	650.00	1,106.69	170.26%	456.69
0100	212-00705	3.000	100.00000	220.43000 Elemental Sulfur LB	300.00	661.29	220.43%	361.29
0105	212-00708	0.130	15,000.00000	13,444.30000 Seeding (Native) Broadcast ACRE	1,950.00	1,747.76	89.63%	-202.24
0110	213-00002	0.130	7,000.00000	10,470.94000 Mulching (Weed Free Hay) ACRE	910.00	1,361.22	149.58%	451.22
0115	213-00061	28.000	15.00000	38.68000 Mulch Tackifier LB	420.00	1,083.04	257.87%	663.04

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## Low Bid Item Analysis

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Contract ID: C21400R

Line	Item/ Description	Quantity	Estimated Price	Bid Price/ Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
<b>SECTION:</b>	0001	<b>Bid Items</b>						
0120	217-00020	16.000	175.00000	141.08000 HOUR	2,800.00	2,257.28	80.62%	-542.72
0125	Herbicide Treatment							
0125	240-00010	20.000	120.00000	343.27000 HOUR	2,400.00	6,865.40	286.06%	4,465.40
0130	Removal of Nests							
0130	240-00020	6,100.000	7.00000	9.51000 SY	42,700.00	58,011.00	135.86%	15,311.00
0135	Netting							
0135	403-34771	1,618.000	220.00000	254.60000 TON	355,960.00	411,942.80	115.73%	55,982.80
0140	Hot Mix Asphalt (Grading SX) (75) (PG 76-28)							
0140	411-10255	348.000	5.00000	5.49000 GAL	1,740.00	1,910.52	109.80%	170.52
0145	Emulsified Asphalt (Slow-Setting)							
0145	512-00120	4.000	20,000.00000	16,940.74000 EACH	80,000.00	67,762.96	84.70%	-12,237.04
0150	Bearing Repair Corbel							
0150	515-00120	4,693.000	25.00000	27.67000 SY	117,325.00	129,855.31	110.68%	12,530.31
0155	Waterproofing (Membrane)							
0155	518-00000	120.000	150.00000	143.06000 LF	18,000.00	17,167.20	95.37%	-832.80
0160	Bridge Compression Joint Sealer							
0160	518-01001	510.000	300.00000	315.32000 LF	153,000.00	160,813.20	105.11%	7,813.20
0165	Bridge Expansion Joint (Asphaltic Plug)							
0165	601-03057	260.000	2,500.00000	1,712.90000 CY	650,000.00	445,354.00	68.52%	-204,646.00
0170	Concrete Class DR							
0170	601-06100	64.000	6,000.00000	5,322.60000 CY	384,000.00	340,646.40	88.71%	-43,353.60
0175	Concrete (Patching)							
0175	601-51005	1,300.000	35.00000	31.88000 EACH	45,500.00	41,444.00	91.09%	-4,056.00
	Galvanic Anodes							

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## Low Bid Item Analysis

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Contract ID: C21400R

Line	Item/ Description	Quantity	Estimated Price	Bid Price/ Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
<b>SECTION:</b>	0001	<b>Bid Items</b>						
0180	602-00000	8,100.000	4.00000	1.93000 LB	32,400.00	15,633.00	48.25%	-16,767.00
0185	Reinforcing Steel							
0185	602-00030	96.000	4,500.00000	3,956.81000 MKFT	432,000.00	379,853.76	87.93%	-52,146.24
0190	Reinforcing (Fiber Reinforced Polymer)(Surface)							
0190	607-11525	1,550.000	4.00000	3.67000 LF	6,200.00	5,688.50	91.75%	-511.50
0195	Fence (Plastic)							
0195	620-00020	1.000	3,000.00000	3,052.00000 Sanitary Facility EACH	3,000.00	3,052.00	101.73%	52.00
0200	626-00000	(1)	998,932.00000	1,230,025.96000 Mobilization L S	998,932.00	1,230,025.96	123.13%	231,093.96
0205	626-01113	420.000	75.00000	41.80000 Public Information Management (Tier III) DAY	31,500.00	17,556.00	55.73%	-13,944.00
0210	627-00013	37.000	150.00000	104.50000 Pavement Marking Paint (High Build) GAL	5,550.00	3,866.50	69.67%	-1,683.50
0215	627-30405	76.000	40.00000	29.26000 Preformed Thermoplastic Pavement Marking (Word-Symbol) SF	3,040.00	2,223.76	73.15%	-816.24
0220	627-30410	120.000	25.00000	27.17000 Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line) SF	3,000.00	3,260.40	108.68%	260.40
0225	630-00000	500.000	35.00000	39.71000 Flagging HOUR	17,500.00	19,855.00	113.46%	2,355.00
0230	630-00007	116.000	800.00000	545.92000 Traffic Control Inspection DAY	92,800.00	63,326.72	68.24%	-29,473.28

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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						
0235	630-00012	290.000	1,200.00000	1,045.00000 DAY	348,000.00	303,050.00	87.08%	-44,950.00
0240	630-80001	10.000	1,000.00000	1,254.00000 EACH	10,000.00	12,540.00	125.40%	2,540.00
0245	630-80335	2.000	250.00000	141.08000 EACH	500.00	282.16	56.43%	-217.84
0250	630-80336	5.000	350.00000	193.33000 EACH	1,750.00	966.65	55.24%	-783.35
0255	630-80341	8.000	55.00000	104.50000 EACH	440.00	836.00	190.00%	396.00
0260	630-80342	26.000	65.00000	130.63000 EACH	1,690.00	3,396.38	200.97%	1,706.38
0265	630-80343	5.000	75.00000	141.08000 EACH	375.00	705.40	188.11%	330.40
0270	630-80355	2.000	10,000.00000	23,512.50000 EACH	20,000.00	47,025.00	235.13%	27,025.00
0275	630-80358	2.000	3,000.00000	5,225.00000 EACH	6,000.00	10,450.00	174.17%	4,450.00
0280	630-80360	100.000	75.00000	67.93000 EACH	7,500.00	6,793.00	90.57%	-707.00
0285	630-80363	50.000	100.00000	88.83000 EACH	5,000.00	4,441.50	88.83%	-558.50

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Line	Item/ Description	Quantity	Estimated Price	Bid Price/ Units	Estimated Amount	Bid Amount	Bid Est %	Overrun (+) Underrun (-)
<b>SECTION: 0001 Bid Items</b>								
0290	630-80380 Traffic Cone	50.000	20.00000	18.81000 EACH	1,000.00	940.50	94.05%	-59.50
0295	630-85020 Mobile Attenuator	2.000	30,000.00000	48,696.58000 EACH	60,000.00	97,393.16	162.32%	37,393.16
0300	630-86810 Traffic Signal (Temporary)	1.000	100,000.00000	159,903.00000 EACH	100,000.00	159,903.00	159.90%	59,903.00
<b>Section 0001 Subtotal</b>						\$5,700,000.00	\$5,635,899.39	98.88% -\$64,100.61
<b>Contract Total for Calculated Low Bidders Bid Items</b>						<b>\$5,700,000.00</b>	<b>\$5,635,899.39</b>	<b>98.88% -\$64,100.61</b>