

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

**B022-14 - HARBOR BROOK IMPROVEMENTS, TRAIL CONSTRUCTION AND SEWER BRIDGE REPLACEMENT  
HANOVER POND TO BALDWIN POND**  
City of Meriden, Connecticut  
BL Project No.: 15C5631  
Date of Bid Opening: January 18, 2022

Date: 1/20/2022  
Prepared By: **B. Tencza**  
Checked By: **S. Fraysier**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
<b>Base Contract</b>																	
0000302A	Custom Signage	EA	5	\$ 500.00	\$ 2,500.00	\$ 76.30	\$ 381.50	-84.74%	\$ 2,000.00	\$ 10,000.00	300.00%	\$ 500.00	\$ 2,500.00	0.00%	\$ 1,200.00	\$ 6,000.00	140.00%
0020763A	Disposal of Sediments	TON	21331	\$ 85.00	\$ 1,813,135.00	\$ 62.80	\$ 1,339,586.80	-26.12%	\$ 65.00	\$ 1,386,515.00	-23.53%	\$ 74.00	\$ 1,578,494.00	-12.94%	\$ 60.00	\$ 1,279,860.00	-29.41%
0090086	Removal of Bollard	EA	5	\$ 50.00	\$ 250.00	\$ 117.00	\$ 585.00	134.00%	\$ 170.00	\$ 850.00	240.00%	\$ 100.00	\$ 500.00	100.00%	\$ 25.00	\$ 125.00	-50.00%
0100600A	Construction Access	LS	1	\$ 350,000.00	\$ 350,000.00	\$ 455,000.00	\$ 455,000.00	30.00%	\$ 425,000.00	\$ 425,000.00	21.43%	\$ 500,000.00	\$ 500,000.00	42.86%	\$ 1,200,000.00	\$ 1,200,000.00	242.86%
0101000A	Environmental Health and Safety	LS	1	\$ 63,000.00	\$ 63,000.00	\$ 2,930.00	\$ 2,930.00	-95.35%	\$ 137,500.00	\$ 137,500.00	118.25%	\$ 85,000.00	\$ 85,000.00	34.92%	\$ 15,000.00	\$ 15,000.00	-76.19%
0101117A	Controlled Material Handling	CY	18068	\$ 25.00	\$ 451,700.00	\$ 5.50	\$ 99,374.00	-78.00%	\$ 9.00	\$ 162,612.00	-64.00%	\$ 9.00	\$ 162,612.00	-64.00%	\$ 16.00	\$ 289,088.00	-36.00%
0101128A	Securing, Construction and Dismantling of a Waste Stockpile and Treatment Area	LS	1	\$ 172,500.00	\$ 172,500.00	\$ 292,000.00	\$ 292,000.00	69.28%	\$ 415,000.00	\$ 415,000.00	140.58%	\$ 350,000.00	\$ 350,000.00	102.90%	\$ 800,000.00	\$ 800,000.00	363.77%
0101130A	Environmental Work - Solidification	TON	3920	\$ 70.00	\$ 274,400.00	\$ 121.00	\$ 474,320.00	72.86%	\$ 300.00	\$ 1,176,000.00	328.57%	\$ 150.00	\$ 588,000.00	114.29%	\$ 155.00	\$ 607,600.00	121.43%
010116A	Treatment System Operation	DAY	210	\$ 640.00	\$ 134,400.00	\$ 1,265.00	\$ 265,650.00	97.66%	\$ 250.00	\$ 52,500.00	-60.94%	\$ 1,500.00	\$ 315,000.00	134.38%	\$ 1,200.00	\$ 252,000.00	87.50%
0201001	Clearing and Grubbing	LS	1	\$ 311,760.00	\$ 311,760.00	\$ 403,407.55	\$ 403,407.55	29.40%	\$ 280,700.00	\$ 280,700.00	-9.96%	\$ 450,000.00	\$ 450,000.00	44.34%	\$ 400,000.00	\$ 400,000.00	28.30%
0201012	Removal of Trees	EA	3	\$ 1,000.00	\$ 3,000.00	\$ 585.00	\$ 1,755.00	-41.50%	\$ 1,630.00	\$ 4,890.00	63.00%	\$ 6,500.00	\$ 19,500.00	550.00%	\$ 750.00	\$ 2,250.00	-25.00%
0201013	Removal of Existing Fence	LF	1349	\$ 5.00	\$ 6,745.00	\$ 5.60	\$ 7,554.40	12.00%	\$ 4.00	\$ 5,396.00	-20.00%	\$ 5.00	\$ 6,745.00	0.00%	\$ 10.00	\$ 13,490.00	100.00%
0202000	Earth Excavation	CY	14338	\$ 20.00	\$ 286,760.00	\$ 18.60	\$ 266,686.80	-7.00%	\$ 17.00	\$ 243,746.00	-15.00%	\$ 11.50	\$ 164,887.00	-42.50%	\$ 19.00	\$ 272,422.00	-5.00%
0202100	Rock Excavation	CY	1438	\$ 40.00	\$ 57,520.00	\$ 152.00	\$ 218,576.00	280.00%	\$ 90.00	\$ 129,420.00	125.00%	\$ 75.00	\$ 107,850.00	87.50%	\$ 7.00	\$ 10,066.00	-82.50%
0202120	Rock Excavation (No Explosives)	CY	25	\$ 100.00	\$ 2,500.00	\$ 280.00	\$ 7,000.00	180.00%	\$ 102.00	\$ 2,550.00	2.00%	\$ 150.00	\$ 3,750.00	50.00%	\$ 80.00	\$ 2,000.00	-20.00%
0202200	Channel Excavation - Earth	CY	5178	\$ 30.00	\$ 155,340.00	\$ 7.00	\$ 36,246.00	-76.67%	\$ 32.50	\$ 168,285.00	8.33%	\$ 23.00	\$ 119,094.00	-23.33%	\$ 24.00	\$ 124,272.00	-20.00%
0202216A	Excavation and Reuse of Existing Channel Bottom Material	CY	1400	\$ 80.00	\$ 112,000.00	\$ 47.25	\$ 66,150.00	-40.94%	\$ 100.00	\$ 140,000.00	25.00%	\$ 32.00	\$ 44,800.00	-60.00%	\$ 47.00	\$ 65,800.00	-41.25%
0202223A	J-Hook Vane	EA	2	\$ 2,200.00	\$ 4,400.00	\$ 3,625.00	\$ 7,250.00	64.77%	\$ 1,050.00	\$ 2,100.00	-52.27%	\$ 1,700.00	\$ 3,400.00	-22.73%	\$ 35.00	\$ 70.00	-98.41%
0202250	Channel Excavation - Rock	CY	4957	\$ 80.00	\$ 396,560.00	\$ 148.25	\$ 734,875.25	85.31%	\$ 67.00	\$ 332,119.00	-16.25%	\$ 64.00	\$ 317,248.00	-20.00%	\$ 10.00	\$ 49,570.00	-87.50%
0202315A	Disposal of Controlled Materials	TON	9309	\$ 65.00	\$ 605,085.00	\$ 60.00	\$ 558,540.00	-7.69%	\$ 65.00	\$ 605,085.00	0.00%	\$ 72.00	\$ 670,248.00	10.77%	\$ 58.00	\$ 539,922.00	-10.77%
0202318A	Management of Reusable Controlled Materials	CY	250	\$ 20.00	\$ 5,000.00	\$ 32.00	\$ 8,000.00	60.00%	\$ 30.00	\$ 7,500.00	50.00%	\$ 21.00	\$ 5,250.00	5.00%	\$ 14.00	\$ 3,500.00	-30.00%
0202322A	Disposal of Sediments - High PAH's	TON	2188	\$ 95.00	\$ 207,860.00	\$ 70.00	\$ 153,160.00	-26.32%	\$ 65.00	\$ 142,220.00	-31.58%	\$ 80.00	\$ 175,040.00	-15.79%	\$ 66.00	\$ 144,408.00	-30.53%
0202503	Removal of Concrete Curbing	LF	38	\$ 8.00	\$ 304.00	\$ 8.75	\$ 332.50	9.38%	\$ 9.50	\$ 361.00	18.75%	\$ 6.00	\$ 228.00	-25.00%	\$ 16.00	\$ 608.00	100.00%
0202512	Cut Concrete Sidewalk	LF	48	\$ 6.00	\$ 288.00	\$ 3.50	\$ 168.00	-41.67%	\$ 6.00	\$ 288.00	0.00%	\$ 7.00	\$ 336.00	16.67%	\$ 8.00	\$ 384.00	33.33%
0202513	Removal of Concrete Sidewalk	SY	353	\$ 21.00	\$ 7,413.00	\$ 29.00	\$ 10,237.00	38.10%	\$ 15.00	\$ 5,295.00	-28.57%	\$ 13.00	\$ 4,589.00	-38.10%	\$ 52.00	\$ 18,356.00	147.62%
0202529	Cut Bituminous Concrete Pavement	LF	2049	\$ 3.00	\$ 6,147.00	\$ 3.50	\$ 7,171.50	16.67%	\$ 2.00	\$ 4,098.00	-33.33%	\$ 2.00	\$ 4,098.00	-33.33%	\$ 2.00	\$ 4,098.00	-33.33%
0203000	Structure Excavation - Earth (Complete)	CY	2150	\$ 32.00	\$ 68,800.00	\$ 16.00	\$ 34,400.00	-50.00%	\$ 18.00	\$ 38,700.00	-43.75%	\$ 35.00	\$ 75,250.00	9.38%	\$ 40.00	\$ 86,000.00	25.00%
0203100	Structure Excavation - Rock (Complete)	CY	50	\$ 123.00	\$ 6,150.00	\$ 175.00	\$ 8,750.00	42.28%	\$ 90.00	\$ 4,500.00	-26.83%	\$ 400.00	\$ 20,000.00	225.20%	\$ 40.00	\$ 2,000.00	-67.48%
0203205	Structure Excavation - Earth (Excluding Handling Water)	CY	850	\$ 45.00	\$ 38,250.00	\$ 19.50	\$ 16,575.00	-56.67%	\$ 38.00	\$ 32,300.00	-15.56%	\$ 25.00	\$ 21,250.00	-44.44%	\$ 40.00	\$ 34,000.00	-11.11%
0203305	Structure Excavation - Rock (Excluding Handling Water)	CY	150	\$ 175.00	\$ 26,250.00	\$ 186.50	\$ 27,975.00	6.57%	\$ 90.00	\$ 13,500.00	-48.57%	\$ 100.00	\$ 15,000.00	-42.86%	\$ 60.00	\$ 9,000.00	-65.71%
0204213A	Handling of Contaminated Groundwater (Estimated Cost)	EST	1	\$207,500.00	\$ 207,500.00	\$ 207,500.00	\$ 207,500.00	0.00%	\$ 207,500.00	\$ 207,500.00	0.00%	\$ 207,500.00	\$ 207,500.00	0.00%	\$ 207,500.00	\$ 207,500.00	0.00%
0204401A	Handling Water (Site No. 1)	LS	1	\$ 75,000.00	\$ 75,000.00	\$ 32,650.00	\$ 32,650.00	-56.47%	\$ 70,000.00	\$ 70,000.00	-6.67%	\$ 35,000.00	\$ 35,000.00	-53.33%	\$ 120,000.00	\$ 120,000.00	60.00%
0204402A	Handling Water (Site No. 2)	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 17,950.00	\$ 17,950.00	-28.20%	\$ 17,000.00	\$ 17,000.00	-32.00%	\$ 65,000.00	\$ 65,000.00	160.00%	\$ 80,000.00	\$ 80,000.00	220.00%
0204403A	Handling Water (Site No. 3)	LS	1	\$ 300,000.00	\$ 300,000.00	\$ 103,000.00	\$ 103,000.00	-65.67%	\$ 145,000.00	\$ 145,000.00	-51.67%	\$ 85,000.00	\$ 85,000.00	-71.67%	\$ 400,000.00	\$ 400,000.00	33.33%
0209001	Formation of Subgrade	SY	3401	\$ 3.00	\$ 10,203.00	\$ 2.50	\$ 8,502.50	-16.67%	\$ 2.10	\$ 7,142.10	-30.00%	\$ 3.00	\$ 10,203.00	0.00%	\$ 6.00	\$ 20,406.00	100.00%
0210106	Temporary Check Dam	EA	10	\$ 250.00	\$ 2,500.00	\$ 573.50	\$ 5,735.00	129.40%	\$ 3,320.00	\$ 33,200.00	1228.00%	\$ 370.00	\$ 3,700.00	48.00%	\$ 250.00	\$ 2,500.00	0.00%
0210303A	Turbidity Control Curtains	LS	1	\$ 35,000.00	\$ 35,000.00	\$ 4,950.00	\$ 4,950.00	-85.86%	\$ 3,600.00	\$ 3,600.00	-89.71%	\$ 15,000.00	\$ 15,000.00	-57.14%	\$ 3,000.00	\$ 3,000.00	-91.43%
0210820	Water Pollution Control (Estimated Cost)	EST	1	\$40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	0.00%	\$ 40,000.00	\$ 40,000.00	0.00%	\$ 40,000.00	\$ 40,000.00	0.00%	\$ 40,000.00	\$ 40,000.00	0.00%
0211000	Anti-Tracking Pad	SY	706	\$ 33.00	\$ 23,298.00	\$ 12.30	\$ 8,683.80	-62.73%	\$ 22.00	\$ 15,532.00	-33.33%	\$ 32.00	\$ 22,592.00	-3.03%	\$ 25.00	\$ 17,650.00	-24.24%
0212000	Subbase	CY	1732	\$ 42.00	\$ 72,744.00	\$ 53.50	\$ 92,662.00	27.38%	\$ 52.00	\$ 90,064.00	23.81%	\$ 49.00	\$ 84,868.00	16.67%	\$ 45.00	\$ 77,940.00	7.14%
0213100	Granular Fill	CY	1300	\$ 60.00	\$ 78,000.00	\$ 61.50	\$ 79,950.00	2.50%	\$ 48.50	\$ 63,050.00	-19.17%	\$ 35.00	\$ 45,500.00	-41.67%	\$ 45.00	\$ 58,500.00	-25.00%
0214100	Compacted Granular Fill	CY	10	\$ 70.00	\$ 700.00	\$ 101.50	\$ 1,015.00	45.00%	\$ 77.00	\$ 770.00	10.00%	\$ 53.00	\$ 530.00	-24.29%	\$ 45.00	\$ 450.00	-35.71%
0216000	Pervious Structure Backfill	CY	2620	\$ 65.00	\$ 170,300.00	\$ 65.00	\$ 170,300.00	0.00%	\$ 50.00	\$ 131,000.00	-23.08%	\$ 67.00	\$ 175,540.00	3.08%	\$ 45.00	\$ 117,900.00	-30.77%
0219001	Sedimentation Control System	LF	4103	\$ 6.00	\$ 24,618.00	\$ 3.75	\$ 15,386.25	-37.50%	\$ 5.25	\$ 21,540.75	-12.50%	\$ 15.50	\$ 63,596.50	158.33%	\$ 6.00	\$ 24,618.00	0.00%
0219005A	Wattles	LF	1956	\$ 5.00	\$ 9,780.00	\$ 13.50	\$ 26,406.00	170.00%	\$ 10.00	\$ 19,560.00	100.00%	\$ 7.00	\$ 13,692.00	40.00%	\$ 18.00	\$ 35,208.00	260.00%

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STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

**B022-14 - HARBOR BROOK IMPROVEMENTS, TRAIL CONSTRUCTION AND SEWER BRIDGE REPLACEMENT  
HANOVER POND TO BALDWIN POND**  
City of Meriden, Connecticut  
BL Project No.: 15C5631  
Date of Bid Opening: January 18, 2022

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
<b>Base Contract</b>																		
0000302A	Custom Signage	EA	5	\$ 500.00	\$ 2,500.00	\$ 750.00	\$ 3,750.00	50.00%	\$ 575.00	\$ 2,875.00	15.00%	\$ 300.00	\$ 1,500.00	-40.00%	\$ 858.77	\$ 500.00	\$ 76.30	\$ 2,000.00
0020763A	Disposal of Sediments	TON	21331	\$ 85.00	\$ 1,813,135.00	\$ 59.20	\$ 1,262,795.20	-30.35%	\$ 55.50	\$ 1,183,870.50	-34.71%	\$ 51.40	\$ 1,096,413.40	-39.53%	\$ 67.27	\$ 65.00	\$ 62.80	\$ 74.00
0090086	Removal of Bollard	EA	5	\$ 50.00	\$ 250.00	\$ 800.00	\$ 4,000.00	1500.00%	\$ 28.00	\$ 140.00	-44.00%	\$ 112.50	\$ 562.50	125.00%	\$ 129.00	\$ 117.00	\$ 100.00	\$ 170.00
0100600A	Construction Access	LS	1	\$ 350,000.00	\$ 350,000.00	\$ 575,000.00	\$ 575,000.00	64.29%	\$ 619,000.00	\$ 619,000.00	76.86%	\$ 2,962,000.00	\$ 2,962,000.00	746.29%	\$ 460,000.00	\$ 455,000.00	\$ 425,000.00	\$ 500,000.00
0101000A	Environmental Health and Safety	LS	1	\$ 63,000.00	\$ 63,000.00	\$ 25,000.00	\$ 25,000.00	-60.32%	\$ 34,500.00	\$ 34,500.00	-45.24%	\$ 97,000.00	\$ 97,000.00	53.97%	\$ 75,143.33	\$ 85,000.00	\$ 2,930.00	\$ 137,500.00
0101117A	Controlled Material Handling	CY	18068	\$ 25.00	\$ 451,700.00	\$ 13.00	\$ 234,884.00	-48.00%	\$ 10.00	\$ 180,680.00	-60.00%	\$ 4.25	\$ 76,789.00	-83.00%	\$ 7.83	\$ 9.00	\$ 5.50	\$ 9.00
0101128A	Securing, Construction and Dismantling of a Waste Stockpile and Treatment Area	LS	1	\$ 172,500.00	\$ 172,500.00	\$ 436,750.00	\$ 436,750.00	153.19%	\$ 267,000.00	\$ 267,000.00	54.78%	\$ 410,000.00	\$ 410,000.00	137.68%	\$ 352,333.33	\$ 350,000.00	\$ 292,000.00	\$ 415,000.00
0101130A	Environmental Work - Solidification	TON	3920	\$ 70.00	\$ 274,400.00	\$ 38.00	\$ 148,960.00	-45.71%	\$ 5.00	\$ 19,600.00	-92.86%	\$ 18.00	\$ 70,560.00	-74.29%	\$ 190.33	\$ 150.00	\$ 121.00	\$ 300.00
010116A	Treatment System Operation	DAY	210	\$ 640.00	\$ 134,400.00	\$ 1,000.00	\$ 210,000.00	56.25%	\$ 230.00	\$ 48,300.00	-64.06%	\$ 1,100.00	\$ 231,000.00	71.88%	\$ 1,005.00	\$ 1,265.00	\$ 250.00	\$ 1,500.00
0201001	Clearing and Grubbing	LS	1	\$ 311,760.00	\$ 311,760.00	\$ 400,000.00	\$ 400,000.00	28.30%	\$ 634,500.00	\$ 634,500.00	103.52%	\$ 425,000.00	\$ 425,000.00	36.32%	\$ 378,035.85	\$ 403,407.55	\$ 280,700.00	\$ 450,000.00
0201012	Removal of Trees	EA	3	\$ 1,000.00	\$ 3,000.00	\$ 2,500.00	\$ 7,500.00	150.00%	\$ 1,320.00	\$ 3,960.00	32.00%	\$ 1,350.00	\$ 4,050.00	35.00%	\$ 2,905.00	\$ 1,630.00	\$ 585.00	\$ 6,500.00
0201013	Removal of Existing Fence	LF	1349	\$ 5.00	\$ 6,745.00	\$ 4.50	\$ 6,070.50	-10.00%	\$ 8.50	\$ 11,466.50	70.00%	\$ 4.50	\$ 6,070.50	-10.00%	\$ 4.87	\$ 5.00	\$ 4.00	\$ 5.60
0202000	Earth Excavation	CY	14338	\$ 20.00	\$ 286,760.00	\$ 16.00	\$ 229,408.00	-20.00%	\$ 34.00	\$ 487,492.00	70.00%	\$ 36.00	\$ 516,168.00	80.00%	\$ 15.70	\$ 17.00	\$ 11.50	\$ 18.60
0202100	Rock Excavation	CY	1438	\$ 40.00	\$ 57,520.00	\$ 125.00	\$ 179,750.00	212.50%	\$ 75.00	\$ 107,850.00	87.50%	\$ 72.30	\$ 103,967.40	80.75%	\$ 105.67	\$ 90.00	\$ 75.00	\$ 152.00
0202120	Rock Excavation (No Explosives)	CY	25	\$ 100.00	\$ 2,500.00	\$ 500.00	\$ 12,500.00	400.00%	\$ 350.00	\$ 8,750.00	250.00%	\$ 217.00	\$ 5,425.00	117.00%	\$ 177.33	\$ 150.00	\$ 102.00	\$ 280.00
0202200	Channel Excavation - Earth	CY	5178	\$ 30.00	\$ 155,340.00	\$ 35.00	\$ 181,230.00	16.67%	\$ 48.00	\$ 248,544.00	60.00%	\$ 44.00	\$ 227,832.00	46.67%	\$ 20.83	\$ 23.00	\$ 7.00	\$ 32.50
0202216A	Excavation and Reuse of Existing Channel Bottom Material	CY	1400	\$ 80.00	\$ 112,000.00	\$ 65.00	\$ 91,000.00	-18.75%	\$ 86.00	\$ 120,400.00	7.50%	\$ 53.60	\$ 75,040.00	-33.00%	\$ 59.75	\$ 47.25	\$ 32.00	\$ 100.00
0202223A	J-Hook Vane	EA	2	\$ 2,200.00	\$ 4,400.00	\$ 10,000.00	\$ 20,000.00	354.55%	\$ 1,700.00	\$ 3,400.00	-22.73%	\$ 1,662.00	\$ 3,324.00	-24.45%	\$ 2,125.00	\$ 1,700.00	\$ 1,050.00	\$ 3,625.00
0202250	Channel Excavation - Rock	CY	4957	\$ 80.00	\$ 396,560.00	\$ 145.00	\$ 718,765.00	81.25%	\$ 90.00	\$ 446,130.00	12.50%	\$ 108.50	\$ 537,834.50	35.63%	\$ 93.08	\$ 67.00	\$ 64.00	\$ 148.25
0202315A	Disposal of Controlled Materials	TON	9309	\$ 65.00	\$ 605,085.00	\$ 57.20	\$ 532,474.80	-12.00%	\$ 70.00	\$ 651,630.00	7.69%	\$ 49.40	\$ 459,864.60	-24.00%	\$ 65.67	\$ 65.00	\$ 60.00	\$ 72.00
0202318A	Management of Reusable Controlled Materials	CY	250	\$ 20.00	\$ 5,000.00	\$ 60.00	\$ 15,000.00	200.00%	\$ 14.00	\$ 3,500.00	-30.00%	\$ 41.40	\$ 10,350.00	107.00%	\$ 27.67	\$ 30.00	\$ 21.00	\$ 32.00
0202322A	Disposal of Sediments - High PAH's	TON	2188	\$ 95.00	\$ 207,860.00	\$ 64.20	\$ 140,469.60	-32.42%	\$ 55.50	\$ 121,434.00	-41.58%	\$ 56.75	\$ 124,169.00	-40.26%	\$ 71.67	\$ 70.00	\$ 65.00	\$ 80.00
0202503	Removal of Concrete Curbing	LF	38	\$ 8.00	\$ 304.00	\$ 20.00	\$ 760.00	150.00%	\$ 8.00	\$ 304.00	0.00%	\$ 46.30	\$ 1,759.40	478.75%	\$ 8.08	\$ 8.75	\$ 6.00	\$ 9.50
0202512	Cut Concrete Sidewalk	LF	48	\$ 6.00	\$ 288.00	\$ 15.00	\$ 720.00	150.00%	\$ 8.00	\$ 384.00	33.33%	\$ 15.25	\$ 732.00	154.17%	\$ 5.50	\$ 6.00	\$ 3.50	\$ 7.00
0202513	Removal of Concrete Sidewalk	SY	353	\$ 21.00	\$ 7,413.00	\$ 36.00	\$ 12,708.00	71.43%	\$ 18.00	\$ 6,354.00	-14.29%	\$ 35.70	\$ 12,602.10	70.00%	\$ 19.00	\$ 15.00	\$ 13.00	\$ 29.00
0202529	Cut Bituminous Concrete Pavement	LF	2049	\$ 3.00	\$ 6,147.00	\$ 3.00	\$ 6,147.00	0.00%	\$ 5.00	\$ 10,245.00	66.67%	\$ 1.65	\$ 3,380.85	-45.00%	\$ 2.50	\$ 2.00	\$ 2.00	\$ 3.50
0203000	Structure Excavation - Earth (Complete)	CY	2150	\$ 32.00	\$ 68,800.00	\$ 38.00	\$ 81,700.00	18.75%	\$ 41.00	\$ 88,150.00	28.13%	\$ 49.10	\$ 105,565.00	53.44%	\$ 23.00	\$ 18.00	\$ 16.00	\$ 35.00
0203100	Structure Excavation - Rock (Complete)	CY	50	\$ 123.00	\$ 6,150.00	\$ 500.00	\$ 25,000.00	306.50%	\$ 115.00	\$ 5,750.00	-6.50%	\$ 326.50	\$ 16,325.00	165.45%	\$ 221.67	\$ 175.00	\$ 90.00	\$ 400.00
0203205	Structure Excavation - Earth (Excluding Handling Water)	CY	850	\$ 45.00	\$ 38,250.00	\$ 40.00	\$ 34,000.00	-11.11%	\$ 28.00	\$ 23,800.00	-37.78%	\$ 116.50	\$ 99,025.00	158.89%	\$ 27.50	\$ 25.00	\$ 19.50	\$ 38.00
0203305	Structure Excavation - Rock (Excluding Handling Water)	CY	150	\$ 175.00	\$ 26,250.00	\$ 300.00	\$ 45,000.00	71.43%	\$ 155.00	\$ 23,250.00	-11.43%	\$ 453.50	\$ 68,025.00	159.14%	\$ 125.50	\$ 100.00	\$ 90.00	\$ 186.50
0204213A	Handling of Contaminated Groundwater (Estimated Cost)	EST	1	\$207,500.00	\$ 207,500.00	\$ 207,500.00	\$ 207,500.00	0.00%	\$ 207,500.00	\$ 207,500.00	0.00%	\$ 207,500.00	\$ 207,500.00	0.00%	\$ 207,500.00	\$ 207,500.00	\$ 207,500.00	\$ 207,500.00
0204401A	Handling Water (Site No. 1)	LS	1	\$ 75,000.00	\$ 75,000.00	\$ 15,000.00	\$ 15,000.00	-80.00%	\$ 171,000.00	\$ 171,000.00	128.00%	\$ 286,000.00	\$ 286,000.00	281.33%	\$ 45,883.33	\$ 35,000.00	\$ 32,650.00	\$ 70,000.00
0204402A	Handling Water (Site No. 2)	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 15,000.00	\$ 15,000.00	-40.00%	\$ 203,000.00	\$ 203,000.00	712.00%	\$ 92,000.00	\$ 92,000.00	268.00%	\$ 33,316.67	\$ 17,950.00	\$ 17,000.00	\$ 65,000.00
0204403A	Handling Water (Site No. 3)	LS	1	\$ 300,000.00	\$ 300,000.00	\$ 818,800.00	\$ 818,800.00	172.93%	\$ 734,500.00	\$ 734,500.00	144.83%	\$ 1,422,000.00	\$ 1,422,000.00	374.00%	\$ 111,000.00	\$ 103,000.00	\$ 85,000.00	\$ 145,000.00
0209001	Formation of Subgrade	SY	3401	\$ 3.00	\$ 10,203.00	\$ 16.00	\$ 54,416.00	433.33%	\$ 2.60	\$ 8,842.60	-13.33%	\$ 6.50	\$ 22,106.50	116.67%	\$ 2.53	\$ 2.50	\$ 2.10	\$ 3.00
0210106	Temporary Check Dam	EA	10	\$ 250.00	\$ 2,500.00	\$ 500.00	\$ 5,000.00	100.00%	\$ 350.00	\$ 3,500.00	40.00%	\$ 570.00	\$ 5,700.00	128.00%	\$ 1,421.17	\$ 573.50	\$ 370.00	\$ 3,320.00
0210303A	Turbidity Control Curtains	LS	1	\$ 35,000.00	\$ 35,000.00	\$ 12,500.00	\$ 12,500.00	-64.29%	\$ 6,400.00	\$ 6,400.00	-81.71%	\$ 22,215.00	\$ 22,215.00	-36.53%	\$ 7,850.00	\$ 4,950.00	\$ 3,600.00	\$ 15,000.00
0210820	Water Pollution Control (Estimated Cost)	EST	1	\$40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	0.00%	\$ 40,000.00	\$ 40,000.00	0.00%	\$ 40,000.00	\$ 40,000.00	0.00%	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
0211000	Anti-Tracking Pad	SY	706	\$ 33.00	\$ 23,298.00	\$ 30.00	\$ 21,180.00	-9.09%	\$ 10.00	\$ 7,060.00	-69.70%	\$ 15.20	\$ 10,731.20	-53.94%	\$ 22.10	\$ 22.00	\$ 12.30	\$ 32.00
0212000	Subbase	CY	1732	\$ 42.00	\$ 72,744.00	\$ 69.00	\$ 119,508.00	64.29%	\$ 49.00	\$ 84,868.00	16.67%	\$ 60.50	\$ 104,786.00	44.05%	\$ 51.50	\$ 52.00	\$ 49.00	\$ 53.50
0213100	Granular Fill	CY	1300	\$ 60.00	\$ 78,000.00	\$ 102.00	\$ 132,600.00	70.00%	\$ 62.00	\$ 80,600.00	3.33%	\$ 92.60	\$ 120,380.00	54.33%	\$ 48.33	\$ 48.50	\$ 35.00	\$ 61.50
0214100	Compacted Granular Fill	CY	10	\$ 70.00	\$ 700.00	\$ 120.00	\$ 1,200.00	71.43%	\$ 86.00	\$ 860.00	22.86%	\$ 410.00	\$ 4,100.00	485.71%	\$ 77.17	\$ 77.00	\$ 53.00	\$ 101.50
0216000	Pervious Structure Backfill	CY	2620	\$ 65.00	\$ 170,300.00	\$ 87.00	\$ 227,940.00	33.85%	\$ 70.00	\$ 183,400.00	7.69%	\$ 76.00	\$ 199,120.00	16.92%	\$ 60.67	\$ 65.00	\$ 50.00	\$ 67.00
0219001	Sedimentation Control System	LF	4103	\$ 6.00	\$ 24,618.00	\$ 6.50	\$ 26,669.50	8.33%	\$ 7.50	\$ 30,772.50	25.00%	\$ 4.05	\$ 16,617.15	-32.50%	\$ 8.17	\$ 5.25	\$ 3.75	\$ 15.50
0219005A	Wattles	LF	1956	\$ 5.00	\$ 9,780.00	\$ 26.00	\$ 50,856.00	420.00%	\$ 33.00	\$ 64,548.00	560.00%	\$ 19.00	\$ 37,164.00	280.00%	\$ 10.17	\$ 10.00	\$ 7.00	\$ 13.50

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
0219011A	Sediment Control System at Catch Basin	EA	7	\$ 130.00	\$ 910.00	\$ 140.00	\$ 980.00	7.69%	\$ 164.00	\$ 1,148.00	26.15%	\$ 130.00	\$ 910.00	0.00%	\$ 125.00	\$ 875.00	-3.85%
0286001.1	Rock in Drainage Trench Excavation 0'-10' Deep	CY	25	\$ 100.00	\$ 2,500.00	\$ 175.00	\$ 4,375.00	75.00%	\$ 122.00	\$ 3,050.00	22.00%	\$ 150.00	\$ 3,750.00	50.00%	\$ 30.00	\$ 750.00	-70.00%
0304002	Processed Aggregate Base	CY	307	\$ 50.00	\$ 15,350.00	\$ 74.00	\$ 22,718.00	48.00%	\$ 65.00	\$ 19,955.00	30.00%	\$ 45.00	\$ 13,815.00	-10.00%	\$ 45.00	\$ 13,815.00	-10.00%
0406170	HMA S1.0	TON	20	\$ 115.00	\$ 2,300.00	\$ 332.00	\$ 6,640.00	188.70%	\$ 275.00	\$ 5,500.00	139.13%	\$ 222.00	\$ 4,440.00	93.04%	\$ 220.00	\$ 4,400.00	91.30%
0406171	HMA S0.5	TON	1484	\$ 120.00	\$ 178,080.00	\$ 160.00	\$ 237,440.00	33.33%	\$ 142.00	\$ 210,728.00	18.33%	\$ 134.00	\$ 198,856.00	11.67%	\$ 169.00	\$ 250,796.00	40.83%
0406172	HMA S0.375	TON	242	\$ 140.00	\$ 33,880.00	\$ 235.00	\$ 56,870.00	67.86%	\$ 155.00	\$ 37,510.00	10.71%	\$ 147.00	\$ 35,574.00	5.00%	\$ 250.00	\$ 60,500.00	78.57%
0406236	Material for Tack Coat	GAL	751	\$ 5.00	\$ 3,755.00	\$ 36.00	\$ 27,036.00	620.00%	\$ 10.00	\$ 7,510.00	100.00%	\$ 10.00	\$ 7,510.00	100.00%	\$ 10.00	\$ 7,510.00	100.00%
0406999A	Asphalt Adjustment Cost (Estimated Cost)	EST	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	0.00%	\$ 5,000.00	\$ 5,000.00	0.00%	\$ 5,000.00	\$ 5,000.00	0.00%	\$ 5,000.00	\$ 5,000.00	0.00%
0503001A	Removal of Superstructure	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 27,750.00	\$ 27,750.00	-7.50%	\$ 35,000.00	\$ 35,000.00	16.67%	\$ 35,000.00	\$ 35,000.00	16.67%	\$ 51,000.00	\$ 51,000.00	70.00%
0586040.10	Type 'C-L' Catch Basin - 0' - 10' Deep	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 2,850.00	\$ 2,850.00	-5.00%	\$ 3,250.00	\$ 3,250.00	8.33%	\$ 4,450.00	\$ 4,450.00	48.33%	\$ 5,000.00	\$ 5,000.00	66.67%
0586500.10	Manhole - 0'-10' Deep	EA	2	\$ 3,300.00	\$ 6,600.00	\$ 3,700.00	\$ 7,400.00	12.12%	\$ 4,250.00	\$ 8,500.00	28.79%	\$ 5,000.00	\$ 10,000.00	51.52%	\$ 5,600.00	\$ 11,200.00	69.70%
0586701	Convert Catch Basin to Type 'C-L' Catch Basin	EA	1	\$ 1,800.00	\$ 1,800.00	\$ 1,050.00	\$ 1,050.00	-41.67%	\$ 1,550.00	\$ 1,550.00	-13.89%	\$ 2,200.00	\$ 2,200.00	22.22%	\$ 2,500.00	\$ 2,500.00	38.89%
0521014A	Steel-Laminated Elastomeric Bearings	EA	4	\$ 4,055.00	\$ 16,220.00	\$ 1,816.00	\$ 7,264.00	-55.22%	\$ 1,850.00	\$ 7,400.00	-54.38%	\$ 4,500.00	\$ 18,000.00	10.97%	\$ 2,200.00	\$ 8,800.00	-45.75%
0601062	Footing Concrete	CY	420	\$ 758.00	\$ 318,360.00	\$ 875.00	\$ 367,500.00	15.44%	\$ 500.00	\$ 210,000.00	-34.04%	\$ 975.00	\$ 409,500.00	28.63%	\$ 820.00	\$ 344,400.00	8.18%
0601064	Abutment and Wall Concrete	CY	125	\$ 1,285.00	\$ 160,625.00	\$ 1,255.00	\$ 156,875.00	-2.33%	\$ 1,465.00	\$ 183,125.00	14.01%	\$ 1,200.00	\$ 150,000.00	-6.61%	\$ 1,100.00	\$ 137,500.00	-14.40%
0601088A	Concrete Form Liners	SF	2475	\$ 23.00	\$ 56,925.00	\$ 35.00	\$ 86,625.00	52.17%	\$ 30.00	\$ 74,250.00	30.43%	\$ 51.00	\$ 126,225.00	121.74%	\$ 30.00	\$ 74,250.00	30.43%
0601121	Parapet Concrete	CY	2	\$ 805.00	\$ 1,610.00	\$ 1,680.00	\$ 3,360.00	108.70%	\$ 3,250.00	\$ 6,500.00	303.73%	\$ 1,300.00	\$ 2,600.00	61.49%	\$ 2,000.00	\$ 4,000.00	148.45%
0601124	Barrier Wall Concrete	CY	200	\$ 1,201.00	\$ 240,200.00	\$ 1,210.00	\$ 242,000.00	0.75%	\$ 1,500.00	\$ 300,000.00	24.90%	\$ 1,200.00	\$ 240,000.00	-0.08%	\$ 880.00	\$ 176,000.00	-26.73%
0601502	1/2" Prefomed Expansion Joint Filler for Bridges	SF	55	\$ 9.00	\$ 495.00	\$ 25.00	\$ 1,375.00	177.78%	\$ 45.38	\$ 2,495.90	404.22%	\$ 5.00	\$ 275.00	-44.44%	\$ 25.00	\$ 1,375.00	177.78%
0601504	1" Prefomed Expansion Joint Filler for Bridges	SF	40	\$ 12.00	\$ 480.00	\$ 44.00	\$ 1,760.00	266.67%	\$ 51.51	\$ 2,060.40	329.25%	\$ 10.00	\$ 400.00	-16.67%	\$ 35.00	\$ 1,400.00	191.67%
0601653A	Retaining Wall (Site No. 3)	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 115,300.00	\$ 115,300.00	130.60%	\$ 57,500.00	\$ 57,500.00	15.00%	\$ 65,000.00	\$ 65,000.00	30.00%	\$ 96,000.00	\$ 96,000.00	92.00%
0601744.60	Class PCC04460	CY	15	\$ 1,201.00	\$ 18,015.00	\$ 1,825.00	\$ 27,375.00	51.96%	\$ 300.00	\$ 4,500.00	-75.02%	\$ 950.00	\$ 14,250.00	-20.90%	\$ 2,000.00	\$ 30,000.00	66.53%
0602000	Deformed Steel Bars	LB	19400	\$ 2.00	\$ 38,800.00	\$ 2.40	\$ 46,560.00	20.00%	\$ 1.90	\$ 36,860.00	-5.00%	\$ 3.20	\$ 62,080.00	60.00%	\$ 1.95	\$ 37,830.00	-2.50%
0602006	Deformed Steel Bars - Epoxy Coated	LB	64000	\$ 2.50	\$ 160,000.00	\$ 2.55	\$ 163,200.00	2.00%	\$ 2.25	\$ 144,000.00	-10.00%	\$ 3.50	\$ 224,000.00	40.00%	\$ 2.50	\$ 160,000.00	0.00%
0602052	Welded Wire Fabric - Epoxy Coated	SY	40	\$ 2.00	\$ 80.00	\$ 24.00	\$ 960.00	1100.00%	\$ 13.75	\$ 550.00	587.50%	\$ 10.00	\$ 400.00	400.00%	\$ 50.00	\$ 2,000.00	2400.00%
0603061A	Structural Steel (Site No. 1)	LS	1	\$ 90,000.00	\$ 90,000.00	\$ 150,000.00	\$ 150,000.00	66.67%	\$ 375,000.00	\$ 375,000.00	316.67%	\$ 500,000.00	\$ 500,000.00	455.56%	\$ 175,000.00	\$ 175,000.00	94.44%
0686000.12	12" R.C. Pipe - 0'-10' Deep	LF	191	\$ 60.00	\$ 11,460.00	\$ 97.50	\$ 18,622.50	62.50%	\$ 75.00	\$ 14,325.00	25.00%	\$ 58.00	\$ 11,078.00	-3.33%	\$ 72.00	\$ 13,752.00	20.00%
0686000.15	15" R.C. Pipe - 0'-10' Deep	LF	75	\$ 60.00	\$ 4,500.00	\$ 95.75	\$ 7,181.25	59.58%	\$ 87.50	\$ 6,562.50	45.83%	\$ 64.00	\$ 4,800.00	6.67%	\$ 85.00	\$ 6,375.00	41.67%
0686000.30	30" R.C. Pipe - 0'-10' Deep	LF	34	\$ 95.00	\$ 3,230.00	\$ 160.50	\$ 5,457.00	68.95%	\$ 112.00	\$ 3,808.00	17.89%	\$ 106.00	\$ 3,604.00	11.58%	\$ 134.00	\$ 4,556.00	41.05%
0686950.10	Remove Existing Pipe - 0'-10' Deep	LF	76	\$ 30.00	\$ 2,280.00	\$ 31.75	\$ 2,413.00	5.83%	\$ 22.50	\$ 1,710.00	-25.00%	\$ 60.00	\$ 4,560.00	100.00%	\$ 35.00	\$ 2,660.00	16.67%
0686700.12	12" Reinforced Concrete Drainage Pipe End	EA	1	\$ 1,000.00	\$ 1,000.00	\$ 1,005.00	\$ 1,005.00	0.50%	\$ 850.00	\$ 850.00	-15.00%	\$ 1,020.00	\$ 1,020.00	2.00%	\$ 1,300.00	\$ 1,300.00	30.00%
0686700.15	15" Reinforced Concrete Drainage Pipe End	EA	2	\$ 1,500.00	\$ 3,000.00	\$ 1,050.00	\$ 2,100.00	-30.00%	\$ 900.00	\$ 1,800.00	-40.00%	\$ 1,070.00	\$ 2,140.00	-28.67%	\$ 1,500.00	\$ 3,000.00	0.00%
0686700.30	30" Reinforced Concrete Drainage Pipe End	EA	2	\$ 1,000.00	\$ 2,000.00	\$ 1,500.00	\$ 3,000.00	50.00%	\$ 1,300.50	\$ 2,601.00	30.05%	\$ 1,650.00	\$ 3,300.00	65.00%	\$ 1,800.00	\$ 3,600.00	80.00%
0703010	Standard Riprap	CY	660	\$ 110.00	\$ 72,600.00	\$ 70.25	\$ 46,365.00	-36.14%	\$ 155.00	\$ 102,300.00	40.91%	\$ 75.00	\$ 49,500.00	-31.82%	\$ 94.00	\$ 62,040.00	-14.55%
0702011	Intermediate Riprap	CY	2192	\$ 85.00	\$ 186,320.00	\$ 77.50	\$ 169,880.00	-8.82%	\$ 125.00	\$ 274,000.00	47.06%	\$ 67.00	\$ 146,864.00	-21.18%	\$ 94.00	\$ 206,048.00	10.59%
0703012	Modified Riprap	CY	16	\$ 110.00	\$ 1,760.00	\$ 73.00	\$ 1,168.00	-33.64%	\$ 105.00	\$ 1,680.00	-4.55%	\$ 66.00	\$ 1,056.00	-40.00%	\$ 120.00	\$ 1,920.00	9.09%
0703030A	Placement of Channel Boulders	EA	114	\$ 100.00	\$ 11,400.00	\$ 330.50	\$ 37,677.00	230.50%	\$ 350.00	\$ 39,900.00	250.00%	\$ 100.00	\$ 11,400.00	0.00%	\$ 300.00	\$ 34,200.00	200.00%
0703031A	Rock Weir	EA	1	\$ 2,700.00	\$ 2,700.00	\$ 16,050.00	\$ 16,050.00	494.44%	\$ 4,300.00	\$ 4,300.00	59.26%	\$ 10,000.00	\$ 10,000.00	270.37%	\$ 12,000.00	\$ 12,000.00	344.44%
0703034A	Wing Deflector	EA	8	\$ 1,000.00	\$ 8,000.00	\$ 1,200.00	\$ 9,600.00	20.00%	\$ 1,550.00	\$ 12,400.00	55.00%	\$ 900.00	\$ 7,200.00	-10.00%	\$ 4,000.00	\$ 32,000.00	300.00%
0703041A	Stone/Boulder Revetment	LF	1330	\$ 70.00	\$ 93,100.00	\$ 100.00	\$ 133,000.00	42.86%	\$ 23.50	\$ 31,255.00	-66.43%	\$ 135.00	\$ 179,550.00	92.86%	\$ 60.00	\$ 79,800.00	-14.29%
0708001	Dampproofing	SY	610	\$ 17.00	\$ 10,370.00	\$ 30.25	\$ 18,452.50	77.94%	\$ 12.50	\$ 7,625.00	-26.47%	\$ 15.00	\$ 9,150.00	-11.76%	\$ 19.00	\$ 11,590.00	11.76%
0712009A	Soil Nail Wall	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 284,000.00	\$ 284,000.00	184.00%	\$ 230,000.00	\$ 230,000.00	130.00%	\$ 250,000.00	\$ 250,000.00	150.00%	\$ 350,000.00	\$ 350,000.00	250.00%
0716001A	Temporary Earth Retaining System	SF	6060	\$ 45.00	\$ 272,700.00	\$ 68.75	\$ 416,625.00	52.78%	\$ 78.00	\$ 472,680.00	73.33%	\$ 70.00	\$ 424,200.00	55.56%	\$ 34.00	\$ 206,040.00	-24.44%
0728034A	Screenings	CF	4299	\$ 8.00	\$ 34,392.00	\$ 6.00	\$ 25,794.00	-25.00%	\$ 3.75	\$ 16,121.25	-53.13%	\$ 2.25	\$ 9,672.75	-71.88%	\$ 19.00	\$ 81,681.00	137.50%
0755014	Geotextile (Separation - High Survivalibility)	SY	6773	\$ 5.00	\$ 33,865.00	\$ 2.80	\$ 18,964.40	-44.00%	\$ 2.50	\$ 16,932.50	-50.00%	\$ 2.00	\$ 13,546.00	-60.00%	\$ 5.00	\$ 33,865.00	0.00%
0814002	Reset Granite Stone Curbing	LF	37	\$ 50.00	\$ 1,850.00	\$ 46.25	\$ 1,711.25	-7.50%	\$ 43.00	\$ 1,591.00	-14.00%	\$ 45.00	\$ 1,665.00	-10.00%	\$ 50.00	\$ 1,850.00	0.00%
0815091	Removal of Bituminous Concrete Lip Curbing	LF	520	\$ 2.00	\$ 1,040.00	\$ 3.00	\$ 1,560.00	50.00%	\$ 6.00	\$ 3,120.00	200.00%	\$ 5.00	\$ 2,600.00	150.00%	\$ 4.00	\$ 2,080.00	100.00%
0822001	Temporary Precast Concrete Barrier Curb	LF	400	\$ 48.00	\$ 19,200.00	\$ 86.00	\$ 34,400.00	79.17%	\$ 55.00	\$ 22,000.00	14.58%	\$ 16.00	\$ 6,400.00	-66.67%	\$ 64.00	\$ 25,600.00	33.33%
0901006A	Removable Bollard	EA	6	\$ 500.00	\$ 3,000.00	\$ 1,635.00	\$ 9,810.00	227.00%	\$ 3,500.00	\$ 21,000.00	600.00%	\$ 2,500.00	\$ 15,000.00	400.00%	\$ 2,700.00	\$ 16,200.00	440.00%
0905017A	Relocate Stockade Fence	LF	100	\$ 10.00	\$ 1,000.00	\$ 58.75	\$ 5,875.00	487.50%	\$ 60.00	\$ 6,000.00	500.00%	\$ 53.00	\$ 5,300.00	430.00%	\$ 48.00	\$ 4,800.00	380.00%

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
0219011A	Sediment Control System at Catch Basin	EA	7	\$ 130.00	\$ 910.00	\$ 150.00	\$ 1,050.00	15.38%	\$ 330.00	\$ 2,310.00	153.85%	\$ 113.00	\$ 791.00	-13.08%	\$ 144.67	\$ 140.00	\$ 130.00	\$ 164.00
0286001.1	Rock in Drainage Trench Excavation 0'-10' Deep	CY	25	\$ 100.00	\$ 2,500.00	\$ 300.00	\$ 7,500.00	200.00%	\$ 175.00	\$ 4,375.00	75.00%	\$ 215.50	\$ 5,387.50	115.50%	\$ 149.00	\$ 150.00	\$ 122.00	\$ 175.00
0304002	Processed Aggregate Base	CY	307	\$ 50.00	\$ 15,350.00	\$ 70.00	\$ 21,490.00	40.00%	\$ 50.00	\$ 15,350.00	0.00%	\$ 99.00	\$ 30,393.00	98.00%	\$ 61.33	\$ 65.00	\$ 45.00	\$ 74.00
0406170	HMA S1.0	TON	20	\$ 115.00	\$ 2,300.00	\$ 236.00	\$ 4,720.00	105.22%	\$ 256.00	\$ 5,120.00	122.61%	\$ 250.00	\$ 5,000.00	117.39%	\$ 276.33	\$ 275.00	\$ 222.00	\$ 332.00
0406171	HMA S0.5	TON	1484	\$ 120.00	\$ 178,080.00	\$ 142.00	\$ 210,728.00	18.33%	\$ 218.00	\$ 323,512.00	81.67%	\$ 163.50	\$ 242,634.00	36.25%	\$ 145.33	\$ 142.00	\$ 134.00	\$ 160.00
0406172	HMA S0.375	TON	242	\$ 140.00	\$ 33,880.00	\$ 286.00	\$ 69,212.00	104.29%	\$ 240.00	\$ 58,080.00	71.43%	\$ 204.00	\$ 49,368.00	45.71%	\$ 179.00	\$ 155.00	\$ 147.00	\$ 235.00
0406236	Material for Tack Coat	GAL	751	\$ 5.00	\$ 3,755.00	\$ 10.00	\$ 7,510.00	100.00%	\$ 10.50	\$ 7,885.50	110.00%	\$ 12.00	\$ 9,012.00	140.00%	\$ 18.67	\$ 10.00	\$ 10.00	\$ 36.00
0406999A	Asphalt Adjustment Cost (Estimated Cost)	EST	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	0.00%	\$ 5,000.00	\$ 5,000.00	0.00%	\$ 5,000.00	\$ 5,000.00	0.00%	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
0503001A	Removal of Superstructure	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 41,700.00	\$ 41,700.00	39.00%	\$ 146,000.00	\$ 146,000.00	386.67%	\$ 46,000.00	\$ 46,000.00	53.33%	\$ 32,583.33	\$ 35,000.00	\$ 27,750.00	\$ 35,000.00
0586040.10	Type 'C-L' Catch Basin - 0' - 10' Deep	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00	66.67%	\$ 3,160.00	\$ 3,160.00	5.33%	\$ 5,538.00	\$ 5,538.00	84.60%	\$ 3,516.67	\$ 3,250.00	\$ 2,850.00	\$ 4,450.00
0586500.10	Manhole - 0'-10' Deep	EA	2	\$ 3,300.00	\$ 6,600.00	\$ 5,400.00	\$ 10,800.00	63.64%	\$ 2,650.00	\$ 5,300.00	-19.70%	\$ 5,538.00	\$ 11,076.00	67.82%	\$ 4,316.67	\$ 4,250.00	\$ 3,700.00	\$ 5,000.00
0586701	Convert Catch Basin to Type "C-L" Catch Basin	EA	1	\$ 1,800.00	\$ 1,800.00	\$ 2,500.00	\$ 2,500.00	38.89%	\$ 1,100.00	\$ 1,100.00	-38.89%	\$ 1,846.00	\$ 1,846.00	2.56%	\$ 1,600.00	\$ 1,550.00	\$ 1,050.00	\$ 2,200.00
0521014A	Steel-Laminated Elastomeric Bearings	EA	4	\$ 4,055.00	\$ 16,220.00	\$ 2,650.00	\$ 10,600.00	-34.65%	\$ 5,200.00	\$ 20,800.00	28.24%	\$ 2,010.00	\$ 8,040.00	-50.43%	\$ 2,722.00	\$ 1,850.00	\$ 1,816.00	\$ 4,500.00
0601062	Footing Concrete	CY	420	\$ 758.00	\$ 318,360.00	\$ 600.00	\$ 252,000.00	-20.84%	\$ 800.00	\$ 336,000.00	5.54%	\$ 466.00	\$ 195,720.00	-38.52%	\$ 783.33	\$ 875.00	\$ 500.00	\$ 975.00
0601064	Abutment and Wall Concrete	CY	125	\$ 1,285.00	\$ 160,625.00	\$ 1,185.00	\$ 148,125.00	-7.78%	\$ 1,140.00	\$ 142,500.00	-11.28%	\$ 1,200.00	\$ 150,000.00	-6.61%	\$ 1,306.67	\$ 1,255.00	\$ 1,200.00	\$ 1,465.00
0601088A	Concrete Form Liners	SF	2475	\$ 23.00	\$ 56,925.00	\$ 37.00	\$ 91,575.00	60.87%	\$ 35.00	\$ 86,625.00	52.17%	\$ 25.00	\$ 61,875.00	8.70%	\$ 38.67	\$ 35.00	\$ 30.00	\$ 51.00
0601121	Parapet Concrete	CY	2	\$ 805.00	\$ 1,610.00	\$ 5,000.00	\$ 10,000.00	521.12%	\$ 4,300.00	\$ 8,600.00	434.16%	\$ 3,645.00	\$ 7,290.00	352.80%	\$ 2,076.67	\$ 1,680.00	\$ 1,300.00	\$ 3,250.00
0601124	Barrier Wall Concrete	CY	200	\$ 1,201.00	\$ 240,200.00	\$ 910.00	\$ 182,000.00	-24.23%	\$ 1,675.00	\$ 335,000.00	39.47%	\$ 1,045.00	\$ 209,000.00	-12.99%	\$ 1,303.33	\$ 1,210.00	\$ 1,200.00	\$ 1,500.00
0601502	1/2" Prefomed Expansion Joint Filler for Bridges	SF	55	\$ 9.00	\$ 495.00	\$ 15.00	\$ 825.00	66.67%	\$ 18.00	\$ 990.00	100.00%	\$ 25.90	\$ 1,424.50	187.78%	\$ 25.13	\$ 25.00	\$ 5.00	\$ 45.38
0601504	1" Prefomed Expansion Joint Filler for Bridges	SF	40	\$ 12.00	\$ 480.00	\$ 20.00	\$ 800.00	66.67%	\$ 22.00	\$ 880.00	83.33%	\$ 37.00	\$ 1,480.00	208.33%	\$ 35.17	\$ 44.00	\$ 10.00	\$ 51.51
0601653A	Retaining Wall (Site No. 3)	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 82,000.00	\$ 82,000.00	64.00%	\$ 225,000.00	\$ 225,000.00	350.00%	\$ 96,000.00	\$ 96,000.00	92.00%	\$ 79,266.67	\$ 65,000.00	\$ 57,500.00	\$ 115,300.00
0601744.60	Class PCC04460	CY	15	\$ 1,201.00	\$ 18,015.00	\$ 1,180.00	\$ 17,700.00	-1.75%	\$ 4,600.00	\$ 69,000.00	283.01%	\$ 1,342.00	\$ 20,130.00	11.74%	\$ 1,025.00	\$ 950.00	\$ 300.00	\$ 1,825.00
0602000	Deformed Steel Bars	LB	19400	\$ 2.00	\$ 38,800.00	\$ 2.45	\$ 47,530.00	22.50%	\$ 4.85	\$ 94,090.00	142.50%	\$ 2.80	\$ 54,320.00	40.00%	\$ 2.50	\$ 2.40	\$ 1.90	\$ 3.20
0602006	Deformed Steel Bars - Epoxy Coated	LB	64000	\$ 2.50	\$ 160,000.00	\$ 2.55	\$ 163,200.00	2.00%	\$ 6.00	\$ 384,000.00	140.00%	\$ 2.23	\$ 142,720.00	-10.80%	\$ 2.77	\$ 2.55	\$ 2.25	\$ 3.50
0602052	Welded Wire Fabric - Epoxy Coated	SY	40	\$ 2.00	\$ 80.00	\$ 36.00	\$ 1,440.00	1700.00%	\$ 29.00	\$ 1,160.00	1350.00%	\$ 22.40	\$ 896.00	1020.00%	\$ 15.92	\$ 13.75	\$ 10.00	\$ 24.00
0603061A	Structural Steel (Site No. 1)	LS	1	\$ 90,000.00	\$ 90,000.00	\$ 165,000.00	\$ 165,000.00	83.33%	\$ 172,500.00	\$ 172,500.00	91.67%	\$ 200,000.00	\$ 200,000.00	122.22%	\$ 341,666.67	\$ 375,000.00	\$ 150,000.00	\$ 500,000.00
0686000.12	12" R.C. Pipe - 0'-10' Deep	LF	191	\$ 60.00	\$ 11,460.00	\$ 81.00	\$ 15,471.00	35.00%	\$ 36.00	\$ 6,876.00	-40.00%	\$ 130.00	\$ 24,830.00	116.67%	\$ 76.83	\$ 75.00	\$ 58.00	\$ 97.50
0686000.15	15" R.C. Pipe - 0'-10' Deep	LF	75	\$ 60.00	\$ 4,500.00	\$ 126.00	\$ 9,450.00	110.00%	\$ 46.00	\$ 3,450.00	-23.33%	\$ 142.00	\$ 10,650.00	136.67%	\$ 82.42	\$ 87.50	\$ 64.00	\$ 95.75
0686000.30	30" R.C. Pipe - 0'-10' Deep	LF	34	\$ 95.00	\$ 3,230.00	\$ 160.00	\$ 5,440.00	68.42%	\$ 76.00	\$ 2,584.00	-20.00%	\$ 160.00	\$ 5,440.00	68.42%	\$ 126.17	\$ 112.00	\$ 106.00	\$ 160.50
0686950.10	Remove Existing Pipe - 0'-10' Deep	LF	76	\$ 30.00	\$ 2,280.00	\$ 50.00	\$ 3,800.00	66.67%	\$ 20.56	\$ 1,562.56	-31.47%	\$ 63.10	\$ 4,795.60	110.33%	\$ 38.08	\$ 31.75	\$ 22.50	\$ 60.00
0686700.12	12" Reinforced Concrete Drainage Pipe End	EA	1	\$ 1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00	-20.00%	\$ 662.00	\$ 662.00	-33.80%	\$ 1,846.00	\$ 1,846.00	84.60%	\$ 958.33	\$ 1,005.00	\$ 850.00	\$ 1,020.00
0686700.15	15" Reinforced Concrete Drainage Pipe End	EA	2	\$ 1,500.00	\$ 3,000.00	\$ 1,000.00	\$ 2,000.00	-33.33%	\$ 775.00	\$ 1,550.00	-48.33%	\$ 2,220.00	\$ 4,440.00	48.00%	\$ 1,006.67	\$ 1,050.00	\$ 900.00	\$ 1,070.00
0686700.30	30" Reinforced Concrete Drainage Pipe End	EA	2	\$ 1,000.00	\$ 2,000.00	\$ 1,200.00	\$ 2,400.00	20.00%	\$ 1,000.00	\$ 2,000.00	0.00%	\$ 4,615.00	\$ 9,230.00	361.50%	\$ 1,483.50	\$ 1,500.00	\$ 1,300.50	\$ 1,650.00
0703010	Standard Riprap	CY	660	\$ 110.00	\$ 72,600.00	\$ 93.00	\$ 61,380.00	-15.45%	\$ 110.00	\$ 72,600.00	0.00%	\$ 94.10	\$ 62,106.00	-14.45%	\$ 100.08	\$ 75.00	\$ 70.25	\$ 155.00
0702011	Intermediate Riprap	CY	2192	\$ 85.00	\$ 186,320.00	\$ 88.50	\$ 193,992.00	4.12%	\$ 108.00	\$ 236,736.00	27.06%	\$ 87.20	\$ 191,142.40	2.59%	\$ 89.83	\$ 77.50	\$ 67.00	\$ 125.00
0703012	Modified Riprap	CY	16	\$ 110.00	\$ 1,760.00	\$ 100.00	\$ 1,600.00	-9.09%	\$ 98.00	\$ 1,568.00	-10.91%	\$ 165.50	\$ 2,648.00	50.45%	\$ 81.33	\$ 73.00	\$ 66.00	\$ 105.00
0703030A	Placement of Channel Boulders	EA	114	\$ 100.00	\$ 11,400.00	\$ 500.00	\$ 57,000.00	400.00%	\$ 531.00	\$ 60,534.00	431.00%	\$ 539.00	\$ 61,446.00	439.00%	\$ 260.17	\$ 330.50	\$ 100.00	\$ 350.00
0703031A	Rock Weir	EA	1	\$ 2,700.00	\$ 2,700.00	\$ 20,000.00	\$ 20,000.00	640.74%	\$ 5,400.00	\$ 5,400.00	100.00%	\$ 2,385.00	\$ 2,385.00	-11.67%	\$ 10,116.67	\$ 10,000.00	\$ 4,300.00	\$ 16,050.00
0703034A	Wing Deflector	EA	8	\$ 1,000.00	\$ 8,000.00	\$ 5,000.00	\$ 40,000.00	400.00%	\$ 3,500.00	\$ 28,000.00	250.00%	\$ 2,165.00	\$ 17,320.00	116.50%	\$ 1,216.67	\$ 1,200.00	\$ 900.00	\$ 1,550.00
0703041A	Stone/Boulder Revetment	LF	1330	\$ 70.00	\$ 93,100.00	\$ 225.00	\$ 299,250.00	221.43%	\$ 90.00	\$ 119,700.00	28.57%	\$ 33.60	\$ 44,688.00	-52.00%	\$ 86.17	\$ 100.00	\$ 23.50	\$ 135.00
0708001	Dampproofing	SY	610	\$ 17.00	\$ 10,370.00	\$ 18.00	\$ 10,980.00	5.88%	\$ 29.00	\$ 17,690.00	70.59%	\$ 17.00	\$ 10,370.00	0.00%	\$ 19.25	\$ 15.00	\$ 12.50	\$ 30.25
0712009A	Soil Nail Wall	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 130,000.00	\$ 130,000.00	30.00%	\$ 528,500.00	\$ 528,500.00	428.50%	\$ 600,000.00	\$ 600,000.00	500.00%	\$ 254,666.67	\$ 250,000.00	\$ 230,000.00	\$ 284,000.00
0716001A	Temporary Earth Retaining System	SF	6060	\$ 45.00	\$ 272,700.00	\$ 40.00	\$ 242,400.00	-11.11%	\$ 46.00	\$ 278,760.00	2.22%	\$ 93.00	\$ 563,580.00	106.67%	\$ 72.25	\$ 70.00	\$ 68.75	\$ 78.00
0728034A	Screenings	CF	4299	\$ 8.00	\$ 34,392.00	\$ 6.00	\$ 25,794.00	-25.00%	\$ 2.55	\$ 10,962.45	-68.13%	\$ 6.00	\$ 25,794.00	-25.00%	\$ 4.00	\$ 3.75	\$ 2.25	\$ 6.00
0755014	Geotextile (Separation - High Survivalibility)	SY	6773	\$ 5.00	\$ 33,865.00	\$ 3.00	\$ 20,319.00	-40.00%	\$ 10.00	\$ 67,730.00	100.00%	\$ 3.35	\$ 22,689.55	-33.00%	\$ 2.43	\$ 2.50	\$ 2.00	\$ 2.80
0814002	Reset Granite Stone Curbing	LF	37	\$ 50.00	\$ 1,850.00	\$ 150.00	\$ 5,550.00	200.00%	\$ 63.00	\$ 2,331.00	26.00%	\$ 109.00	\$ 4,033.00	118.00%	\$ 44.75	\$ 45.00	\$ 43.00	\$ 46.25
0815091	Removal of Bituminous Concrete Lip Curbing	LF	520	\$ 2.00	\$ 1,040.00	\$ 5.00	\$ 2,600.00	150.00%	\$ 7.50	\$ 3,900.00	275.00%	\$ 2.65	\$ 1,378.00	32.50%	\$ 4.67	\$ 5.00	\$ 3.00	\$ 6.00
0822001	Temporary Precast Concrete Barrier Curb	LF	400	\$ 48.00	\$ 19,200.00	\$ 35.00	\$ 14,000.00	-27.08%	\$ 37.00	\$ 14,800.00	-							

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
0905106A	6' Stockade Fence	LF	344	\$ 52.00	\$ 17,888.00	\$ 90.00	\$ 30,960.00	73.08%	\$ 93.00	\$ 31,992.00	78.85%	\$ 82.00	\$ 28,208.00	57.69%	\$ 64.00	\$ 22,016.00	23.08%
0906202	Wood Rail Fence	LF	1234	\$ 30.00	\$ 37,020.00	\$ 58.00	\$ 71,572.00	93.33%	\$ 60.00	\$ 74,040.00	100.00%	\$ 26.00	\$ 32,084.00	-13.33%	\$ 95.00	\$ 117,230.00	216.67%
0910021	R-B End Anchorage Type 1	EA	1	\$ 1,400.00	\$ 1,400.00	\$ 2,055.00	\$ 2,055.00	46.79%	\$ 2,100.00	\$ 2,100.00	50.00%	\$ 1,800.00	\$ 1,800.00	28.57%	\$ 2,100.00	\$ 2,100.00	50.00%
0910023	R-B Terminal Section	EA	1	\$ 1,600.00	\$ 1,600.00	\$ 3,285.00	\$ 3,285.00	105.31%	\$ 3,400.00	\$ 3,400.00	112.50%	\$ 3,000.00	\$ 3,000.00	87.50%	\$ 3,100.00	\$ 3,100.00	93.75%
0910047	Metal Beam Rail (Type R-B 350 System 5A)	LF	25	\$ 45.00	\$ 1,125.00	\$ 104.50	\$ 2,612.50	132.22%	\$ 100.00	\$ 2,500.00	122.22%	\$ 95.00	\$ 2,375.00	111.11%	\$ 100.00	\$ 2,500.00	122.22%
0910170	Metal Beam Rail (Type R-B 350)	LF	14	\$ 25.00	\$ 350.00	\$ 41.00	\$ 574.00	64.00%	\$ 40.00	\$ 560.00	60.00%	\$ 37.00	\$ 518.00	48.00%	\$ 90.00	\$ 1,260.00	260.00%
0910173	R-B 350 Bridge Attachment - Vertical Shaped Parapet	EA	2	\$ 2,950.00	\$ 5,900.00	\$ 4,460.00	\$ 8,920.00	51.19%	\$ 4,700.00	\$ 9,400.00	59.32%	\$ 4,000.00	\$ 8,000.00	35.59%	\$ 3,500.00	\$ 7,000.00	18.64%
0910300	Metal Beam Rail (Type R-B MASH)	LF	209	\$ 23.00	\$ 4,807.00	\$ 41.00	\$ 8,569.00	78.26%	\$ 40.00	\$ 8,360.00	73.91%	\$ 37.00	\$ 7,733.00	60.87%	\$ 38.00	\$ 7,942.00	65.22%
0912503	Remove Metal Beam Rail	LF	540	\$ 5.00	\$ 2,700.00	\$ 6.00	\$ 3,240.00	20.00%	\$ 6.00	\$ 3,240.00	20.00%	\$ 5.00	\$ 2,700.00	0.00%	\$ 9.00	\$ 4,860.00	80.00%
0912530	Decorative Bollard	EA	5	\$ 1,500.00	\$ 7,500.00	\$ 1,515.00	\$ 7,575.00	1.00%	\$ 5,000.00	\$ 25,000.00	233.33%	\$ 2,500.00	\$ 12,500.00	66.67%	\$ 2,500.00	\$ 12,500.00	66.67%
0913013A	5' Polyvinyl Chloride Chain Link Fence	LF	1080	\$ 45.00	\$ 48,600.00	\$ 69.00	\$ 74,520.00	53.33%	\$ 70.00	\$ 75,600.00	55.56%	\$ 63.00	\$ 68,040.00	40.00%	\$ 45.00	\$ 48,600.00	0.00%
0913833	Remove and Reset Chain Link Fence	LF	232	\$ 40.00	\$ 9,280.00	\$ 41.00	\$ 9,512.00	2.50%	\$ 40.00	\$ 9,280.00	0.00%	\$ 37.00	\$ 8,584.00	-7.50%	\$ 32.00	\$ 7,424.00	-20.00%
0915001A	Tree Protection	EA	5	\$ 200.00	\$ 1,000.00	\$ 176.50	\$ 882.50	-11.75%	\$ 300.00	\$ 1,500.00	50.00%	\$ 225.00	\$ 1,125.00	12.50%	\$ 550.00	\$ 2,750.00	175.00%
0921003A	Monolithic Concrete Sidewalk and Curb	SF	5722	\$ 10.00	\$ 57,220.00	\$ 18.00	\$ 102,996.00	80.00%	\$ 18.00	\$ 102,996.00	80.00%	\$ 15.00	\$ 85,830.00	50.00%	\$ 16.00	\$ 91,552.00	60.00%
0921005	Concrete Sidewalk Ramp	SF	558	\$ 15.00	\$ 8,370.00	\$ 14.25	\$ 7,951.50	-5.00%	\$ 15.50	\$ 8,649.00	3.33%	\$ 46.00	\$ 25,668.00	206.67%	\$ 18.00	\$ 10,044.00	20.00%
0921013	Concrete Driveway Apron	SF	375	\$ 18.00	\$ 6,750.00	\$ 14.25	\$ 5,343.75	-20.83%	\$ 19.00	\$ 7,125.00	5.56%	\$ 16.00	\$ 6,000.00	-11.11%	\$ 19.00	\$ 7,125.00	5.56%
0921039	Detectable Warning Strip	EA	15	\$ 240.00	\$ 3,600.00	\$ 70.50	\$ 1,057.50	-70.63%	\$ 220.00	\$ 3,300.00	-8.33%	\$ 220.00	\$ 3,300.00	-8.33%	\$ 400.00	\$ 6,000.00	66.67%
0921041	Gateway Column	EA	2	\$ 40,000.00	\$ 80,000.00	\$ 30,250.00	\$ 60,500.00	-24.38%	\$ 27,000.00	\$ 54,000.00	-32.50%	\$ 25,000.00	\$ 50,000.00	-37.50%	\$ 16,000.00	\$ 32,000.00	-60.00%
0942001	Calcium Chloride for Dust Control	TOM	5	\$ 610.00	\$ 3,050.00	\$ 2,080.00	\$ 10,400.00	240.98%	\$ 950.00	\$ 4,750.00	55.74%	\$ 1,000.00	\$ 5,000.00	63.93%	\$ 500.00	\$ 2,500.00	-18.03%

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
0905106A	6' Stockade Fence	LF	344	\$ 52.00	\$ 17,888.00	\$ 50.00	\$ 17,200.00	-3.85%	\$ 72.00	\$ 24,768.00	38.46%	\$ 62.50	\$ 21,500.00	20.19%	\$ 88.33	\$ 90.00	\$ 82.00	\$ 93.00
0906202	Wood Rail Fence	LF	1234	\$ 30.00	\$ 37,020.00	\$ 49.39	\$ 60,947.26	64.63%	\$ 110.00	\$ 135,740.00	266.67%	\$ 95.00	\$ 117,230.00	216.67%	\$ 48.00	\$ 58.00	\$ 26.00	\$ 60.00
0910021	R-B End Anchorage Type 1	EA	1	\$ 1,400.00	\$ 1,400.00	\$ 1,750.00	\$ 1,750.00	25.00%	\$ 2,530.00	\$ 2,530.00	80.71%	\$ 1,900.00	\$ 1,900.00	35.71%	\$ 1,985.00	\$ 2,055.00	\$ 1,800.00	\$ 2,100.00
0910023	R-B Terminal Section	EA	1	\$ 1,600.00	\$ 1,600.00	\$ 2,800.00	\$ 2,800.00	75.00%	\$ 3,393.00	\$ 3,393.00	112.06%	\$ 2,950.00	\$ 2,950.00	84.38%	\$ 3,228.33	\$ 3,285.00	\$ 3,000.00	\$ 3,400.00
0910047	Metal Beam Rail (Type R-B 350 System 5A)	LF	25	\$ 45.00	\$ 1,125.00	\$ 89.00	\$ 2,225.00	97.78%	\$ 110.00	\$ 2,750.00	144.44%	\$ 95.00	\$ 2,375.00	111.11%	\$ 99.83	\$ 100.00	\$ 95.00	\$ 104.50
0910170	Metal Beam Rail (Type R-B 350)	LF	14	\$ 25.00	\$ 350.00	\$ 35.00	\$ 490.00	40.00%	\$ 92.00	\$ 1,288.00	268.00%	\$ 80.00	\$ 1,120.00	220.00%	\$ 39.33	\$ 40.00	\$ 37.00	\$ 41.00
0910173	R-B 350 Bridge Attachment - Vertical Shaped Parapet	EA	2	\$ 2,950.00	\$ 5,900.00	\$ 3,800.00	\$ 7,600.00	28.81%	\$ 3,880.00	\$ 7,760.00	31.53%	\$ 3,375.00	\$ 6,750.00	14.41%	\$ 4,386.67	\$ 4,460.00	\$ 4,000.00	\$ 4,700.00
0910300	Metal Beam Rail (Type R-B MASH)	LF	209	\$ 23.00	\$ 4,807.00	\$ 35.00	\$ 7,315.00	52.17%	\$ 42.00	\$ 8,778.00	82.61%	\$ 36.00	\$ 7,524.00	56.52%	\$ 39.33	\$ 40.00	\$ 37.00	\$ 41.00
0912503	Remove Metal Beam Rail	LF	540	\$ 5.00	\$ 2,700.00	\$ 5.00	\$ 2,700.00	0.00%	\$ 10.00	\$ 5,400.00	100.00%	\$ 6.35	\$ 3,429.00	27.00%	\$ 5.67	\$ 6.00	\$ 5.00	\$ 6.00
0912530	Decorative Bollard	EA	5	\$ 1,500.00	\$ 7,500.00	\$ 2,600.00	\$ 13,000.00	73.33%	\$ 525.00	\$ 2,625.00	-65.00%	\$ 1,800.00	\$ 9,000.00	20.00%	\$ 3,005.00	\$ 2,500.00	\$ 1,515.00	\$ 5,000.00
0913013A	5' Polyvinyl Chloride Chain Link Fence	LF	1080	\$ 45.00	\$ 48,600.00	\$ 58.61	\$ 63,298.80	30.24%	\$ 50.00	\$ 54,000.00	11.11%	\$ 43.00	\$ 46,440.00	-4.44%	\$ 67.33	\$ 69.00	\$ 63.00	\$ 70.00
0913833	Remove and Reset Chain Link Fence	LF	232	\$ 40.00	\$ 9,280.00	\$ 35.00	\$ 8,120.00	-12.50%	\$ 35.00	\$ 8,120.00	-12.50%	\$ 30.00	\$ 6,960.00	-25.00%	\$ 39.33	\$ 40.00	\$ 37.00	\$ 41.00
0915001A	Tree Protection	EA	5	\$ 200.00	\$ 1,000.00	\$ 150.00	\$ 750.00	-25.00%	\$ 110.00	\$ 550.00	-45.00%	\$ 150.00	\$ 750.00	-25.00%	\$ 233.83	\$ 225.00	\$ 176.50	\$ 300.00
0921003A	Monolithic Concrete Sidewalk and Curb	SF	5722	\$ 10.00	\$ 57,220.00	\$ 17.50	\$ 100,135.00	75.00%	\$ 14.00	\$ 80,108.00	40.00%	\$ 20.70	\$ 118,445.40	107.00%	\$ 17.00	\$ 18.00	\$ 15.00	\$ 18.00
0921005	Concrete Sidewalk Ramp	SF	558	\$ 15.00	\$ 8,370.00	\$ 30.00	\$ 16,740.00	100.00%	\$ 16.00	\$ 8,928.00	6.67%	\$ 23.00	\$ 12,834.00	53.33%	\$ 25.25	\$ 15.50	\$ 14.25	\$ 46.00
0921013	Concrete Driveway Apron	SF	375	\$ 18.00	\$ 6,750.00	\$ 30.00	\$ 11,250.00	66.67%	\$ 14.00	\$ 5,250.00	-22.22%	\$ 23.30	\$ 8,737.50	29.44%	\$ 16.42	\$ 16.00	\$ 14.25	\$ 19.00
0921039	Defectable Warning Strip	EA	15	\$ 240.00	\$ 3,600.00	\$ 250.00	\$ 3,750.00	4.17%	\$ 551.00	\$ 8,265.00	129.58%	\$ 300.00	\$ 4,500.00	25.00%	\$ 170.17	\$ 220.00	\$ 70.50	\$ 220.00
0921041	Gateway Column	EA	2	\$ 40,000.00	\$ 80,000.00	\$ 16,000.00	\$ 32,000.00	-60.00%	\$ 6,200.00	\$ 12,400.00	-84.50%	\$ 15,000.00	\$ 30,000.00	-62.50%	\$ 27,416.67	\$ 27,000.00	\$ 25,000.00	\$ 30,250.00
0942001	Calcium Chloride for Dust Control	TOM	5	\$ 610.00	\$ 3,050.00	\$ 1,000.00	\$ 5,000.00	63.93%	\$ 290.00	\$ 1,450.00	-52.46%	\$ 1,735.00	\$ 8,675.00	184.43%	\$ 1,343.33	\$ 1,000.00	\$ 950.00	\$ 2,080.00

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
0943001	Water for Dust Control	MGAL	58	\$ 30.00	\$ 1,740.00	\$ 72.50	\$ 4,205.00	141.67%	\$ 35.00	\$ 2,030.00	16.67%	\$ 3.50	\$ 203.00	-88.33%	\$ 1.00	\$ 58.00	-96.67%
0943002	Sweeping for Dust Control	HR	1870	\$ 41.00	\$ 76,670.00	\$ 135.75	\$ 253,852.50	231.10%	\$ 90.00	\$ 168,300.00	119.51%	\$ 180.00	\$ 336,600.00	339.02%	\$ 120.00	\$ 224,400.00	192.68%
0944000	Furnishing and Placing Topsoil	SY	21676	\$ 2.00	\$ 43,352.00	\$ 5.00	\$ 108,380.00	150.00%	\$ 3.00	\$ 65,028.00	50.00%	\$ 6.50	\$ 140,894.00	225.00%	\$ 10.00	\$ 216,760.00	400.00%
0944001A	Furnishing and Placing Super Enriched Topsoil	SY	2816	\$ 3.00	\$ 8,448.00	\$ 13.00	\$ 36,608.00	333.33%	\$ 8.00	\$ 22,528.00	166.67%	\$ 10.00	\$ 28,160.00	233.33%	\$ 11.00	\$ 30,976.00	266.67%
0945005A	Wildflower Establishment	LB	77	\$ 232.00	\$ 17,864.00	\$ 470.00	\$ 36,190.00	102.59%	\$ 550.00	\$ 42,350.00	137.07%	\$ 450.00	\$ 34,650.00	93.97%	\$ 472.50	\$ 36,382.50	103.66%
0949000	Wood Chip Mulch	SY	1776	\$ 12.00	\$ 21,312.00	\$ 8.80	\$ 15,628.80	-26.67%	\$ 9.00	\$ 15,984.00	-25.00%	\$ 8.50	\$ 15,096.00	-29.17%	\$ 8.40	\$ 14,918.40	-30.00%
0949012	Cornus Sericea Red-Twig Dogwood Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.60	\$ 2,640.00	10.00%	\$ 9.00	\$ 3,600.00	50.00%	\$ 8.50	\$ 3,400.00	41.67%	\$ 8.40	\$ 3,360.00	40.00%
0949020	Cornus Racemosa Gray Dogwood Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.60	\$ 2,640.00	10.00%	\$ 9.00	\$ 3,600.00	50.00%	\$ 8.50	\$ 3,400.00	41.67%	\$ 8.40	\$ 3,360.00	40.00%
0949022	Salix Discolor Pussy Willow 24"-36" HT. B.B.	EA	47	\$ 30.00	\$ 1,410.00	\$ 55.75	\$ 2,620.25	85.83%	\$ 100.00	\$ 4,700.00	233.33%	\$ 97.00	\$ 4,559.00	223.33%	\$ 94.50	\$ 4,441.50	215.00%
0949028	Spirea Tomentosa Steeplebush Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 10.25	\$ 4,100.00	70.83%	\$ 9.00	\$ 3,600.00	50.00%	\$ 8.50	\$ 3,400.00	41.67%	\$ 8.40	\$ 3,360.00	40.00%
0949039	River Birch 7'-8' Height	EA	11	\$ 200.00	\$ 2,200.00	\$ 308.00	\$ 3,388.00	54.00%	\$ 400.00	\$ 4,400.00	100.00%	\$ 400.00	\$ 4,400.00	100.00%	\$ 397.95	\$ 4,377.45	98.98%
0949039	River Birch 6'-7' Height	EA	19	\$ 200.00	\$ 3,800.00	\$ 308.00	\$ 5,852.00	54.00%	\$ 400.00	\$ 7,600.00	100.00%	\$ 350.00	\$ 6,650.00	75.00%	\$ 344.40	\$ 6,543.60	72.20%
0949055	Aronia Arbutifolia Red Chokeberry 18"-24" HT. B.B.	EA	60	\$ 35.00	\$ 2,100.00	\$ 52.75	\$ 3,165.00	50.71%	\$ 70.00	\$ 4,200.00	100.00%	\$ 69.00	\$ 4,140.00	97.14%	\$ 67.20	\$ 4,032.00	92.00%
0949086	Clethra Alnifolia, Sweet Pepperbush, 18"-24" HT.	EA	21	\$ 40.00	\$ 840.00	\$ 64.50	\$ 1,354.50	61.25%	\$ 65.00	\$ 1,365.00	62.50%	\$ 64.00	\$ 1,344.00	60.00%	\$ 63.00	\$ 1,323.00	57.50%
0949090	Quercus Bicolor, Swamp White Oak, 3.5" - 4" CAL. B.B.	EA	12	\$ 500.00	\$ 6,000.00	\$ 1,830.00	\$ 21,960.00	266.00%	\$ 1,250.00	\$ 15,000.00	150.00%	\$ 1,230.00	\$ 14,760.00	146.00%	\$ 1,204.34	\$ 14,452.08	140.87%
0949090	Quercus Bicolor, Swamp White Oak, 2.5" - 3" CAL. B.B.	EA	5	\$ 400.00	\$ 2,000.00	\$ 955.00	\$ 4,775.00	138.75%	\$ 750.00	\$ 3,750.00	87.50%	\$ 750.00	\$ 3,750.00	87.50%	\$ 732.90	\$ 3,664.50	83.23%
0949100	Cornus Amomum Silky Dogwood Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.60	\$ 2,640.00	10.00%	\$ 9.00	\$ 3,600.00	50.00%	\$ 8.50	\$ 3,400.00	41.67%	\$ 8.40	\$ 3,360.00	40.00%
0949101	Cornus Amomum Silky Dogwood 3'-4" HT. B.R.	EA	63	\$ 40.00	\$ 2,520.00	\$ 73.25	\$ 4,614.75	83.13%	\$ 22.00	\$ 1,386.00	-45.00%	\$ 22.00	\$ 1,386.00	-45.00%	\$ 22.05	\$ 1,389.15	-44.88%
0949129	Cephalanthus Occidentalis, Buttonbush 1 Gallon Container	EA	53	\$ 25.00	\$ 1,325.00	\$ 44.00	\$ 2,332.00	76.00%	\$ 42.00	\$ 2,226.00	68.00%	\$ 38.00	\$ 2,014.00	52.00%	\$ 37.80	\$ 2,003.40	51.20%
0949133	Vaccinium Corymbosum, Highbush Blueberry 18"-24" HT.	EA	55	\$ 40.00	\$ 2,200.00	\$ 57.00	\$ 3,135.00	42.50%	\$ 70.00	\$ 3,850.00	75.00%	\$ 67.00	\$ 3,685.00	67.50%	\$ 66.15	\$ 3,638.25	65.38%
0949208	Silver Maple 3.5"-4" CAL B&B	EA	14	\$ 300.00	\$ 4,200.00	\$ 1,230.00	\$ 17,220.00	310.00%	\$ 1,700.00	\$ 23,800.00	466.67%	\$ 1,400.00	\$ 19,600.00	366.67%	\$ 1,457.40	\$ 20,403.60	385.80%
0949208	Silver Maple 2"-2.5" CONT	EA	9	\$ 150.00	\$ 1,350.00	\$ 555.00	\$ 4,995.00	270.00%	\$ 900.00	\$ 8,100.00	500.00%	\$ 790.00	\$ 7,110.00	426.67%	\$ 775.95	\$ 6,983.55	417.30%
0949292	Alnus Incana, Speckled Alder 18"-24" HT. B.B	EA	71	\$ 30.00	\$ 2,130.00	\$ 60.00	\$ 4,260.00	100.00%	\$ 62.00	\$ 4,402.00	106.67%	\$ 63.00	\$ 4,473.00	110.00%	\$ 61.95	\$ 4,398.45	106.50%
0949315A	Coir Fiber Roll	LF	4532	\$ 5.00	\$ 22,660.00	\$ 37.00	\$ 167,684.00	640.00%	\$ 35.00	\$ 158,620.00	600.00%	\$ 7.50	\$ 33,990.00	50.00%	\$ 34.65	\$ 157,033.80	593.00%
0949316	Salix Bebbiana Bebb's Willow Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 10.50	\$ 4,200.00	75.00%	\$ 9.00	\$ 3,600.00	50.00%	\$ 35.00	\$ 14,000.00	483.33%	\$ 8.40	\$ 3,360.00	40.00%
0949317	Salix Discolor Pussy Willow Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 10.50	\$ 4,200.00	75.00%	\$ 9.00	\$ 3,600.00	50.00%	\$ 8.50	\$ 3,400.00	41.67%	\$ 8.40	\$ 3,360.00	40.00%
0949531	Viburnum Recognatum, Northern Arrowwood 18"-24" HT. B.B.	EA	92	\$ 40.00	\$ 3,680.00	\$ 56.00	\$ 5,152.00	40.00%	\$ 60.00	\$ 5,520.00	50.00%	\$ 58.00	\$ 5,336.00	45.00%	\$ 56.70	\$ 5,216.40	41.75%
0949543	Sand Bar Willow 36"-42"	EA	34	\$ 65.00	\$ 2,210.00	\$ 164.00	\$ 5,576.00	152.31%	\$ 110.00	\$ 3,740.00	69.23%	\$ 98.00	\$ 3,332.00	50.77%	\$ 95.55	\$ 3,248.70	47.00%
0949544	Weeping Willow 6'-8' Height	EA	11	\$ 300.00	\$ 3,300.00	\$ 485.00	\$ 5,335.00	61.67%	\$ 530.00	\$ 5,830.00	76.67%	\$ 450.00	\$ 4,950.00	50.00%	\$ 45.70	\$ 502.70	-84.77%
0949589	American Cranberrybush 18"-24"	EA	99	\$ 65.00	\$ 6,435.00	\$ 44.00	\$ 4,356.00	-32.31%	\$ 75.00	\$ 7,425.00	15.38%	\$ 70.00	\$ 6,930.00	7.69%	\$ 71.40	\$ 7,068.60	9.85%
0949602	Eastern Red Cedar 6'-7' Height	EA	49	\$ 160.00	\$ 7,840.00	\$ 495.00	\$ 24,255.00	209.38%	\$ 400.00	\$ 19,600.00	150.00%	\$ 380.00	\$ 18,620.00	137.50%	\$ 381.15	\$ 18,676.35	138.22%
0949695	Salix Nigra, Black Willow, 5'-6' HT. B.B.	EA	16	\$ 120.00	\$ 1,920.00	\$ 380.00	\$ 6,080.00	216.67%	\$ 250.00	\$ 4,000.00	108.33%	\$ 230.00	\$ 3,680.00	91.67%	\$ 226.80	\$ 3,628.80	89.00%
0949832	Acer Rubrum Red Maple 2"-2.5" CAL. B.B.	EA	4	\$ 200.00	\$ 800.00	\$ 570.00	\$ 2,280.00	185.00%	\$ 575.00	\$ 2,300.00	187.50%	\$ 570.00	\$ 2,280.00	185.00%	\$ 556.50	\$ 2,226.00	178.25%
0949834	Acer Rubrum Red Maple 3"-4" CAL. B.B.	EA	29	\$ 500.00	\$ 14,500.00	\$ 1,400.00	\$ 40,600.00	180.00%	\$ 960.00	\$ 27,840.00	92.00%	\$ 950.00	\$ 27,550.00	90.00%	\$ 932.40	\$ 27,039.60	86.48%
0949915	Rhododendron Viscosum, Swamp Azalea 24"-36" HT. B.B.	EA	104	\$ 110.00	\$ 11,440.00	\$ 140.00	\$ 14,560.00	27.27%	\$ 55.00	\$ 5,720.00	-50.00%	\$ 55.00	\$ 5,720.00	-50.00%	\$ 53.55	\$ 5,569.20	-51.32%
0949932	Green Ash 2.5"-3" CAL.	EA	18	\$ 200.00	\$ 3,600.00	\$ 1,100.00	\$ 19,800.00	450.00%	\$ 1,000.00	\$ 18,000.00	400.00%	\$ 900.00	\$ 16,200.00	350.00%	\$ 919.80	\$ 16,556.40	359.90%
0950005	Turf Establishment	SY	21676	\$ 2.00	\$ 43,352.00	\$ 1.35	\$ 29,262.60	-32.50%	\$ 2.50	\$ 54,190.00	25.00%	\$ 1.70	\$ 36,849.20	-15.00%	\$ 2.14	\$ 46,386.64	7.00%
0950013	Erosion Control Matting	SY	15600	\$ 4.00	\$ 62,400.00	\$ 2.35	\$ 36,660.00	-41.25%	\$ 5.00	\$ 78,000.00	25.00%	\$ 4.50	\$ 70,200.00	12.50%	\$ 4.73	\$ 73,788.00	18.25%
0950043A	Wetland Grass Establishment	SF	25344	\$ 0.40	\$ 10,137.60	\$ 0.40	\$ 10,137.60	0.00%	\$ 0.25	\$ 6,336.00	-37.50%	\$ 0.20	\$ 5,068.80	-50.00%	\$ 0.21	\$ 5,322.24	-47.50%
0952051A	Control and Removal of Invasive Vegetation	SY	18973	\$ 5.00	\$ 94,865.00	\$ 8.20	\$ 155,578.60	64.00%	\$ 4.00	\$ 75,892.00	-20.00%	\$ 3.60	\$ 68,302.80	-28.00%	\$ 3.68	\$ 69,820.64	-26.40%
0969054A	Contractor Quality Control Program Level 1	LS	1	\$ 200,000.00	\$ 200,000.00	\$ 201,000.00	\$ 201,000.00	0.50%	\$ 200,000.00	\$ 200,000.00	0.00%	\$ 200,000.00	\$ 200,000.00	0.00%	\$ 200,000.00	\$ 200,000.00	0.00%
0969060A	Construction Field Office, Small	MO	24	\$ 1,500.00	\$ 36,000.00	\$ 1,260.00	\$ 30,240.00	-16.00%	\$ 1,000.00	\$ 24,000.00	-33.33%	\$ 2,900.00	\$ 69,600.00	93.33%	\$ 4,000.00	\$ 96,000.00	166.67%
0970006	Trafficperson (Municipal Police Officer) (Estimated Cost)	EST	1	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	0.00%	\$ 12,000.00	\$ 12,000.00	0.00%	\$ 12,000.00	\$ 12,000.00	0.00%	\$ 12,000.00	\$ 12,000.00	0.00%
0970007	Trafficperson (Uniformed Flagger)	HR	128	\$ 40.00	\$ 5,120.00	\$ 67.00	\$ 8,576.00	67.50%	\$ 55.00	\$ 7,040.00	37.50%	\$ 61.00	\$ 7,808.00	52.50%	\$ 64.00	\$ 8,192.00	60.00%
0971001A	Maintenance and Protection of Traffic	LS	1	\$ 103,920.00	\$ 103,920.00	\$ 75,000.00	\$ 75,000.00	-27.83%	\$ 12,000.00	\$ 12,000.00	-88.45%	\$ 100,000.00	\$ 100,000.00	-3.77%	\$ 800,000.00	\$ 800,000.00	669.82%
0974001	Removal of Existing Masonry	CY	62	\$ 289.50	\$ 17,949.00	\$ 100.00	\$ 6,200.00	-65.46%	\$ 900.00	\$ 55,800.00	210.88%	\$ 250.00	\$ 15,500.00	-13.64%	\$ 90.00	\$ 5,580.00	-68.91%
0975002	Mobilization and Project Closeout	LS	1	\$ 623,520.00	\$ 623,520.00	\$ 11,100.00	\$ 11,100.00	-98.22%	\$ 462,000.00	\$ 462,000.00	-25.90%	\$ 750,000.00	\$ 750,000.00	20.28%	\$ 900,000.00	\$ 900,000.00	44.34%
0976002	Barricade Warning Lights - High Intensity	DAY	100	\$ 1.00	\$ 100.00	\$ 1.00	\$ 100.00	0.00%	\$ 1.00	\$ 100.00	0.00%	\$ 1.10	\$ 110.00	10.00%	\$ 5.00	\$ 500.00	400.00%
0977001	Traffic Cone	EA	15	\$ 24.00	\$ 360.00	\$ 22.00	\$ 330.00	-8.33%	\$ 24.00	\$ 360.00	0.00%	\$ 15.00	\$ 225.00	-37.50%	\$ 90.00	\$ 1,350.00	275.00%
0978002	Traffic Drum	EA	57	\$ 83.00	\$ 4,731.00	\$ 97.25	\$ 5,543.25	17.17%	\$ 93.50	\$ 5,329.50	12.65%	\$ 90.00	\$ 5,130.00	8.43%	\$ 110.00	\$ 6,270.00	32.53%

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
0943001	Water for Dust Control	MGAL	58	\$ 30.00	\$ 1,740.00	\$ 10.00	\$ 580.00	-66.67%	\$ 29.00	\$ 1,682.00	-3.33%	\$ 98.00	\$ 5,684.00	226.67%	\$ 37.00	\$ 35.00	\$ 3.50	\$ 72.50
0943002	Sweeping for Dust Control	HR	1870	\$ 41.00	\$ 76,670.00	\$ 100.00	\$ 187,000.00	143.90%	\$ 102.00	\$ 190,740.00	148.78%	\$ 50.00	\$ 93,500.00	21.95%	\$ 135.25	\$ 135.75	\$ 90.00	\$ 180.00
0944000	Furnishing and Placing Topsoil	SY	21676	\$ 2.00	\$ 43,352.00	\$ 9.00	\$ 195,084.00	350.00%	\$ 9.00	\$ 195,084.00	350.00%	\$ 5.00	\$ 108,380.00	150.00%	\$ 4.83	\$ 5.00	\$ 3.00	\$ 6.50
0944001A	Furnishing and Placing Super Enriched Topsoil	SY	2816	\$ 3.00	\$ 8,448.00	\$ 17.50	\$ 49,280.00	483.33%	\$ 14.40	\$ 40,550.40	380.00%	\$ 9.70	\$ 27,315.20	223.33%	\$ 10.33	\$ 10.00	\$ 8.00	\$ 13.00
0945005A	Wildflower Establishment	LB	77	\$ 232.00	\$ 17,864.00	\$ 4.26	\$ 328.02	-98.16%	\$ 660.00	\$ 50,820.00	184.48%	\$ 4.26	\$ 328.02	-98.16%	\$ 490.00	\$ 470.00	\$ 450.00	\$ 550.00
0949000	Wood Chip Mulch	SY	1776	\$ 12.00	\$ 21,312.00	\$ 12.00	\$ 21,312.00	0.00%	\$ 18.00	\$ 31,968.00	50.00%	\$ 12.00	\$ 21,312.00	0.00%	\$ 8.77	\$ 8.80	\$ 8.50	\$ 9.00
0949012	Cornus Sericea Red-Twig Dogwood Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.85	\$ 2,740.00	14.17%	\$ 5.00	\$ 2,000.00	-16.67%	\$ 6.85	\$ 2,740.00	14.17%	\$ 8.03	\$ 8.50	\$ 6.60	\$ 9.00
0949020	Cornus Racemosa Gray Dogwood Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.85	\$ 2,740.00	14.17%	\$ 5.00	\$ 2,000.00	-16.67%	\$ 6.85	\$ 2,740.00	14.17%	\$ 8.03	\$ 8.50	\$ 6.60	\$ 9.00
0949022	Salix Discolor Pussy Willow 24"-36" HT. B.B.	EA	47	\$ 30.00	\$ 1,410.00	\$ 60.00	\$ 2,820.00	100.00%	\$ 70.00	\$ 3,290.00	133.33%	\$ 60.00	\$ 2,820.00	100.00%	\$ 84.25	\$ 97.00	\$ 55.75	\$ 100.00
0949028	Spirea Tomentosa Steeplebush Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.85	\$ 2,740.00	14.17%	\$ 5.00	\$ 2,000.00	-16.67%	\$ 6.85	\$ 2,740.00	14.17%	\$ 9.25	\$ 9.00	\$ 8.50	\$ 10.25
0949039	River Birch 7'-8' Height	EA	11	\$ 200.00	\$ 2,200.00	\$ 410.00	\$ 4,510.00	105.00%	\$ 600.00	\$ 6,600.00	200.00%	\$ 410.00	\$ 4,510.00	105.00%	\$ 369.33	\$ 400.00	\$ 308.00	\$ 400.00
0949039	River Birch 6'-7' Height	EA	19	\$ 200.00	\$ 3,800.00	\$ 390.00	\$ 7,410.00	95.00%	\$ 600.00	\$ 11,400.00	200.00%	\$ 390.00	\$ 7,410.00	95.00%	\$ 352.67	\$ 350.00	\$ 308.00	\$ 400.00
0949055	Aronia Arbutifolia Red Chokeberry 18"-24" HT. B.B.	EA	60	\$ 35.00	\$ 2,100.00	\$ 76.00	\$ 4,560.00	117.14%	\$ 74.00	\$ 4,440.00	111.43%	\$ 76.00	\$ 4,560.00	117.14%	\$ 63.92	\$ 69.00	\$ 52.75	\$ 70.00
0949086	Clethra Alnifolia, Sweet Pepperbush, 18"-24" HT.	EA	21	\$ 40.00	\$ 840.00	\$ 60.00	\$ 1,260.00	50.00%	\$ 70.00	\$ 1,470.00	75.00%	\$ 60.00	\$ 1,260.00	50.00%	\$ 64.50	\$ 64.50	\$ 64.00	\$ 65.00
0949090	Quercus Bicolor, Swamp White Oak, 3.5" - 4" CAL. B.B.	EA	12	\$ 500.00	\$ 6,000.00	\$ 1,450.00	\$ 17,400.00	190.00%	\$ 2,000.00	\$ 24,000.00	300.00%	\$ 1,450.00	\$ 17,400.00	190.00%	\$ 1,436.67	\$ 1,250.00	\$ 1,230.00	\$ 1,830.00
0949090	Quercus Bicolor, Swamp White Oak, 2.5" - 3" CAL. B.B.	EA	5	\$ 400.00	\$ 2,000.00	\$ 1,050.00	\$ 5,250.00	162.50%	\$ 1,100.00	\$ 5,500.00	175.00%	\$ 1,050.00	\$ 5,250.00	162.50%	\$ 818.33	\$ 750.00	\$ 750.00	\$ 955.00
0949100	Cornus Amomum Silky Dogwood Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.85	\$ 2,740.00	14.17%	\$ 5.00	\$ 2,000.00	-16.67%	\$ 6.85	\$ 2,740.00	14.17%	\$ 8.03	\$ 8.50	\$ 6.60	\$ 9.00
0949101	Cornus Amomum Silky Dogwood 3'-4' HT. B.R.	EA	63	\$ 40.00	\$ 2,520.00	\$ 72.00	\$ 4,536.00	80.00%	\$ 66.00	\$ 4,158.00	65.00%	\$ 72.00	\$ 4,536.00	80.00%	\$ 39.08	\$ 22.00	\$ 22.00	\$ 73.25
0949129	Cephalanthus Occidentalis, Buttonbush 1 Gallon Container	EA	53	\$ 25.00	\$ 1,325.00	\$ 34.00	\$ 1,802.00	36.00%	\$ 24.00	\$ 1,272.00	-4.00%	\$ 34.00	\$ 1,802.00	36.00%	\$ 41.33	\$ 42.00	\$ 38.00	\$ 44.00
0949133	Vaccinium Corymbosum, Highbush Blueberry 18"-24" HT.	EA	55	\$ 40.00	\$ 2,200.00	\$ 63.00	\$ 3,465.00	57.50%	\$ 74.00	\$ 4,070.00	85.00%	\$ 63.00	\$ 3,465.00	57.50%	\$ 64.67	\$ 67.00	\$ 57.00	\$ 70.00
0949208	Silver Maple 3.5"-4" CAL B&B	EA	14	\$ 300.00	\$ 4,200.00	\$ 1,400.00	\$ 19,600.00	366.67%	\$ 1,550.00	\$ 21,700.00	416.67%	\$ 1,400.00	\$ 19,600.00	366.67%	\$ 1,443.33	\$ 1,400.00	\$ 1,230.00	\$ 1,700.00
0949208	Silver Maple 2"-2.5" CONT	EA	9	\$ 150.00	\$ 1,350.00	\$ 910.00	\$ 8,190.00	506.67%	\$ 1,100.00	\$ 9,900.00	633.33%	\$ 910.00	\$ 8,190.00	506.67%	\$ 748.33	\$ 790.00	\$ 555.00	\$ 900.00
0949292	Alnus Incana, Speckled Alder 18"-24" HT. B.B	EA	71	\$ 30.00	\$ 2,130.00	\$ 66.00	\$ 4,686.00	120.00%	\$ 64.00	\$ 4,544.00	113.33%	\$ 66.00	\$ 4,686.00	120.00%	\$ 61.67	\$ 62.00	\$ 60.00	\$ 63.00
0949315A	Coir Fiber Roll	LF	4532	\$ 5.00	\$ 22,660.00	\$ 28.00	\$ 126,896.00	460.00%	\$ 20.00	\$ 90,640.00	300.00%	\$ 26.00	\$ 117,832.00	420.00%	\$ 26.50	\$ 35.00	\$ 7.50	\$ 37.00
0949316	Salix Bebbiana Bebb's Willow Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.75	\$ 2,700.00	12.50%	\$ 5.00	\$ 2,000.00	-16.67%	\$ 6.75	\$ 2,700.00	12.50%	\$ 18.17	\$ 10.50	\$ 9.00	\$ 35.00
0949317	Salix Discolor Pussy Willow Tubeling	EA	400	\$ 6.00	\$ 2,400.00	\$ 6.75	\$ 2,700.00	12.50%	\$ 5.00	\$ 2,000.00	-16.67%	\$ 6.75	\$ 2,700.00	12.50%	\$ 9.33	\$ 9.00	\$ 8.50	\$ 10.50
0949531	Viburnum Recognatum, Northern Arrowwood 18"-24" HT. B.B.	EA	92	\$ 40.00	\$ 3,680.00	\$ 88.00	\$ 8,096.00	120.00%	\$ 70.00	\$ 6,440.00	75.00%	\$ 88.00	\$ 8,096.00	120.00%	\$ 58.00	\$ 58.00	\$ 56.00	\$ 60.00
0949543	Sand Bar Willow 36"-42"	EA	34	\$ 65.00	\$ 2,210.00	\$ 66.00	\$ 2,244.00	1.54%	\$ 64.00	\$ 2,176.00	-1.54%	\$ 66.00	\$ 2,244.00	1.54%	\$ 124.00	\$ 110.00	\$ 98.00	\$ 164.00
0949544	Weeping Willow 6'-8' Height	EA	11	\$ 300.00	\$ 3,300.00	\$ 310.00	\$ 3,410.00	3.33%	\$ 555.00	\$ 6,105.00	85.00%	\$ 310.00	\$ 3,410.00	3.33%	\$ 488.33	\$ 485.00	\$ 450.00	\$ 530.00
0949589	American Cranberrybush 18"-24"	EA	99	\$ 65.00	\$ 6,435.00	\$ 88.00	\$ 8,712.00	35.38%	\$ 64.00	\$ 6,336.00	-1.54%	\$ 88.00	\$ 8,712.00	35.38%	\$ 63.00	\$ 70.00	\$ 44.00	\$ 75.00
0949602	Eastern Red Cedar 6'-7' Height	EA	49	\$ 160.00	\$ 7,840.00	\$ 300.00	\$ 14,700.00	87.50%	\$ 684.00	\$ 33,516.00	327.50%	\$ 300.00	\$ 14,700.00	87.50%	\$ 425.00	\$ 400.00	\$ 380.00	\$ 495.00
0949695	Salix Nigra, Black Willow, 5'-6' HT. B.B.	EA	16	\$ 120.00	\$ 1,920.00	\$ 300.00	\$ 4,800.00	150.00%	\$ 200.00	\$ 3,200.00	66.67%	\$ 300.00	\$ 4,800.00	150.00%	\$ 286.67	\$ 250.00	\$ 230.00	\$ 380.00
0949832	Acer Rubrum Red Maple 2"-2.5" CAL. B.B.	EA	4	\$ 200.00	\$ 800.00	\$ 910.00	\$ 3,640.00	355.00%	\$ 1,100.00	\$ 4,400.00	450.00%	\$ 910.00	\$ 3,640.00	355.00%	\$ 571.67	\$ 570.00	\$ 570.00	\$ 575.00
0949834	Acer Rubrum Red Maple 3"-4" CAL. B.B.	EA	29	\$ 500.00	\$ 14,500.00	\$ 1,600.00	\$ 46,400.00	220.00%	\$ 1,550.00	\$ 44,950.00	210.00%	\$ 1,600.00	\$ 46,400.00	220.00%	\$ 1,103.33	\$ 960.00	\$ 950.00	\$ 1,400.00
0949915	Rhododendron Viscosum, Swamp Azalea 24"-36" HT. B.B.	EA	104	\$ 110.00	\$ 11,440.00	\$ 66.00	\$ 6,864.00	-40.00%	\$ 98.00	\$ 10,192.00	-10.91%	\$ 66.00	\$ 6,864.00	-40.00%	\$ 83.33	\$ 55.00	\$ 55.00	\$ 140.00
0949932	Green Ash 2.5"-3" CAL.	EA	18	\$ 200.00	\$ 3,600.00	\$ 900.00	\$ 16,200.00	350.00%	\$ 1,100.00	\$ 19,800.00	450.00%	\$ 900.00	\$ 16,200.00	350.00%	\$ 1,000.00	\$ 1,000.00	\$ 900.00	\$ 1,100.00
0950005	Turf Establishment	SY	21676	\$ 2.00	\$ 43,352.00	\$ 0.79	\$ 17,124.04	-60.50%	\$ 2.90	\$ 62,860.40	45.00%	\$ 0.80	\$ 17,340.80	-60.00%	\$ 1.85	\$ 1.70	\$ 1.35	\$ 2.50
0950013	Erosion Control Matting	SY	15600	\$ 4.00	\$ 62,400.00	\$ 5.10	\$ 79,560.00	27.50%	\$ 4.10	\$ 63,960.00	2.50%	\$ 5.10	\$ 79,560.00	27.50%	\$ 3.95	\$ 4.50	\$ 2.35	\$ 5.00
0950043A	Wetland Grass Establishment	SF	25344	\$ 0.40	\$ 10,137.60	\$ 0.30	\$ 7,603.20	-25.00%	\$ 0.60	\$ 15,206.40	50.00%	\$ 0.30	\$ 7,603.20	-25.00%	\$ 0.28	\$ 0.25	\$ 0.20	\$ 0.40
0952051A	Control and Removal of Invasive Vegetation	SY	18973	\$ 5.00	\$ 94,865.00	\$ 2.30	\$ 43,637.90	-54.00%	\$ 15.50	\$ 294,081.50	210.00%	\$ 4.15	\$ 78,737.95	-17.00%	\$ 5.27	\$ 4.00	\$ 3.60	\$ 8.20
0969054A	Contractor Quality Control Program Level 1	LS	1	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	0.00%	\$ 200,000.00	\$ 200,000.00	0.00%	\$ 280,000.00	\$ 280,000.00	40.00%	\$ 200,333.33	\$ 200,000.00	\$ 200,000.00	\$ 201,000.00
0969060A	Construction Field Office, Small	MO	24	\$ 1,500.00	\$ 36,000.00	\$ 4,000.00	\$ 96,000.00	166.67%	\$ 3,350.00	\$ 80,400.00	123.33%	\$ 1,700.00	\$ 40,800.00	13.33%	\$ 1,720.00	\$ 1,260.00	\$ 1,000.00	\$ 2,900.00
0970006	Trafficperson (Municipal Police Officer) (Estimated Cost)	EST	1	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	0.00%	\$ 12,000.00	\$ 12,000.00	0.00%	\$ 12,000.00	\$ 12,000.00	0.00%	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00
0970007	Trafficperson (Uniformed Flagger)	HR	128	\$ 40.00	\$ 5,120.00	\$ 65.00	\$ 8,320.00	62.50%	\$ 52.00	\$ 6,656.00	30.00%	\$ 60.00	\$ 7,680.00	50.00%	\$ 61.00	\$ 61.00	\$ 55.00	\$ 67.00
0971001A	Maintenance and Protection of Traffic	LS	1	\$ 103,920.00	\$ 103,920.00	\$ 20,000.00	\$ 20,000.00	-80.75%	\$ 74,700.00	\$ 74,700.00	-28.12%	\$ 150,500.00	\$ 150,500.00	44.82%	\$ 62,333.33	\$ 75,000.00	\$ 12,000.00	\$ 100,000.00
0974001	Removal of Existing Masonry	CY	62	\$ 289.50	\$ 17,949.00	\$ 150.00	\$ 9,300.00	-48.19%	\$ 180.00	\$ 11,160.00	-37.82%	\$ 512.50	\$ 31,775.00	77.03%	\$ 416.67	\$ 250.00	\$ 100.00	\$ 900.00
0975002	Mobilization and Project Closeout	LS	1	\$ 623,520.00	\$ 623,520.00	\$ 1,400,000.00	\$ 1,400,000.00	124.53%	\$ 910,800.00	\$ 910,800.00	46.07%	\$ 800,000.00	\$ 800,000.00	28.30%	\$ 407,700.00	\$ 462,000.00	\$ 11,100.00	\$ 750,000.00
0976002	Barricade Warning Lights - High Intensity	DAY	100	\$ 1.00	\$ 100.00	\$ 0.85	\$ 85.00	-15.00%	\$ 52.00	\$ 5,200.00	5100.00%	\$ 85.10	\$ 8,510.00	8410.00%	\$ 1.03	\$ 1.00	\$ 1.00	\$ 1.10
0977001	Traffic																	

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
0979003	Construction Barricade Type III	EA	15	\$ 141.00	\$ 2,115.00	\$ 137.00	\$ 2,055.00	-2.84%	\$ 135.00	\$ 2,025.00	-4.26%	\$ 125.00	\$ 1,875.00	-11.35%	\$ 140.00	\$ 2,100.00	-0.71%
0980001	Construction Staking	LS	1	\$ 207,840.00	\$ 207,840.00	\$ 21,175.00	\$ 21,175.00	-89.81%	\$ 196,000.00	\$ 196,000.00	-5.70%	\$ 200,000.00	\$ 200,000.00	-3.77%	\$ 120,000.00	\$ 120,000.00	-42.26%
0992087A	Kiosk	EA	2	\$ 12,000.00	\$ 24,000.00	\$ 10,600.00	\$ 21,200.00	-11.67%	\$ 17,500.00	\$ 35,000.00	45.83%	\$ 8,000.00	\$ 16,000.00	-33.33%	\$ 9,500.00	\$ 19,000.00	-20.83%
0992090A	Bench	EA	5	\$ 3,500.00	\$ 17,500.00	\$ 3,315.00	\$ 16,575.00	-5.29%	\$ 3,500.00	\$ 17,500.00	0.00%	\$ 2,500.00	\$ 12,500.00	-28.57%	\$ 1,800.00	\$ 9,000.00	-48.57%
0999002	Disposal of Buildings	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 10,150.00	\$ 10,150.00	-89.85%	\$ 21,000.00	\$ 21,000.00	-79.00%	\$ 7,500.00	\$ 7,500.00	-92.50%	\$ 20,000.00	\$ 20,000.00	-80.00%
1001001A	Trenching and Backfilling	LF	838	\$ 27.00	\$ 22,626.00	\$ 30.80	\$ 25,810.40	14.07%	\$ 59.50	\$ 49,861.00	120.37%	\$ 28.00	\$ 23,464.00	3.70%	\$ 27.56	\$ 23,095.28	2.07%
1002110A	Decorative Light Pole Foundation	EA	6	\$ 885.00	\$ 5,310.00	\$ 2,090.00	\$ 12,540.00	136.16%	\$ 2,110.00	\$ 12,660.00	138.42%	\$ 1,000.00	\$ 6,000.00	12.99%	\$ 1,039.50	\$ 6,237.00	17.46%
1002201A	Traffic Control Foundation-Span Pole	EA	2	\$ 9,290.00	\$ 18,580.00	\$ 21,920.00	\$ 43,840.00	135.95%	\$ 23,000.00	\$ 46,000.00	147.58%	\$ 19,000.00	\$ 38,000.00	104.52%	\$ 19,608.75	\$ 39,217.50	111.07%
1002203	Traffic Control Foundation Pedestal - Type I	EA	5	\$ 555.00	\$ 2,775.00	\$ 970.00	\$ 4,850.00	74.77%	\$ 1,020.00	\$ 5,100.00	83.78%	\$ 850.00	\$ 4,250.00	53.15%	\$ 866.25	\$ 4,331.25	56.08%
1002208	Traffic Control Foundation Controller - Type IV	EA	1	\$ 1,400.00	\$ 1,400.00	\$ 1,965.00	\$ 1,965.00	40.36%	\$ 2,060.00	\$ 2,060.00	47.14%	\$ 1,700.00	\$ 1,700.00	21.43%	\$ 1,758.75	\$ 1,758.75	25.63%
1003585A	Decorative Light Pole with Single Luminaire	EA	6	\$ 4,525.00	\$ 27,150.00	\$ 2,815.00	\$ 16,890.00	-37.79%	\$ 2,960.00	\$ 17,760.00	-34.59%	\$ 2,500.00	\$ 15,000.00	-44.75%	\$ 2,520.00	\$ 15,120.00	-44.31%
1004296A	Solar Powered Emergency Call Box	EA	9	\$ 5,000.00	\$ 45,000.00	\$ 15,140.00	\$ 136,260.00	202.80%	\$ 15,300.00	\$ 137,700.00	206.00%	\$ 13,000.00	\$ 117,000.00	160.00%	\$ 13,020.00	\$ 117,180.00	160.40%
1008115	2" Rigid Metal Conduit in Trench	LF	75	\$ 20.00	\$ 1,500.00	\$ 26.00	\$ 1,950.00	30.00%	\$ 27.00	\$ 2,025.00	35.00%	\$ 23.00	\$ 1,725.00	15.00%	\$ 23.21	\$ 1,740.75	16.05%
1008117	3" Rigid Metal Conduit in Trench	LF	99	\$ 21.00	\$ 2,079.00	\$ 54.50	\$ 5,395.50	159.52%	\$ 57.00	\$ 5,643.00	171.43%	\$ 48.00	\$ 4,752.00	128.57%	\$ 48.72	\$ 4,823.28	132.00%
1008127	2" Polyvinyl Chloride Conduit in Trench	LF	363	\$ 7.00	\$ 2,541.00	\$ 11.25	\$ 4,083.75	60.71%	\$ 12.00	\$ 4,356.00	71.43%	\$ 10.00	\$ 3,630.00	42.86%	\$ 1.08	\$ 392.04	-84.57%
1008215	2" Rigid Metal Conduit Under Roadway	LF	290	\$ 19.00	\$ 5,510.00	\$ 29.50	\$ 8,555.00	55.26%	\$ 31.00	\$ 8,990.00	63.16%	\$ 26.00	\$ 7,540.00	36.84%	\$ 26.36	\$ 7,644.40	38.74%
1008217	3" Rigid Metal Conduit Under Roadway	LF	19	\$ 34.00	\$ 646.00	\$ 60.25	\$ 1,144.75	77.21%	\$ 63.50	\$ 1,206.50	86.76%	\$ 27.00	\$ 513.00	-20.59%	\$ 53.97	\$ 1,025.43	58.74%
1010001	Concrete Handhole	EA	2	\$ 586.00	\$ 1,172.00	\$ 733.50	\$ 1,467.00	25.17%	\$ 770.00	\$ 1,540.00	31.40%	\$ 650.00	\$ 1,300.00	10.92%	\$ 656.25	\$ 1,312.50	11.99%
1010021	Concrete Handhole - Type II	EA	1	\$ 497.00	\$ 497.00	\$ 616.00	\$ 616.00	23.94%	\$ 646.00	\$ 646.00	29.98%	\$ 550.00	\$ 550.00	10.66%	\$ 551.25	\$ 551.25	10.92%
1010040	Precast Polymer Concrete Handhole Type II (11"x18")	EA	6	\$ 500.00	\$ 3,000.00	\$ 1,125.00	\$ 6,750.00	125.00%	\$ 1,180.00	\$ 7,080.00	136.00%	\$ 1,000.00	\$ 6,000.00	100.00%	\$ 1,008.00	\$ 6,048.00	101.60%
1010052	Cast Iron Handhole Cover	EA	2	\$ 457.00	\$ 914.00	\$ 616.00	\$ 1,232.00	34.79%	\$ 646.00	\$ 1,292.00	41.36%	\$ 550.00	\$ 1,100.00	20.35%	\$ 551.25	\$ 1,102.50	20.62%
1010054	Cast Iron Handhole Cover, Type II	EA	1	\$ 389.00	\$ 389.00	\$ 480.00	\$ 480.00	23.39%	\$ 505.00	\$ 505.00	29.82%	\$ 440.00	\$ 440.00	13.11%	\$ 430.50	\$ 430.50	10.67%
1012038	No. 8 Single Conductor	LF	711	\$ 1.50	\$ 1,066.50	\$ 3.15	\$ 2,239.65	110.00%	\$ 3.50	\$ 2,488.50	133.33%	\$ 3.00	\$ 2,133.00	100.00%	\$ 2.79	\$ 1,983.69	86.00%
1015001	No. 8 Bare Copper Grounding Conductor	LF	356	\$ 1.00	\$ 356.00	\$ 1.30	\$ 462.80	30.00%	\$ 1.50	\$ 534.00	50.00%	\$ 1.20	\$ 427.20	20.00%	\$ 1.16	\$ 412.96	16.00%
1015034A	Sign Post	EA	60	\$ 100.00	\$ 6,000.00	\$ 414.00	\$ 24,840.00	314.00%	\$ 339.00	\$ 20,340.00	239.00%	\$ 420.00	\$ 25,200.00	320.00%	\$ 350.00	\$ 21,000.00	250.00%
1015034A	Grounding and Bonding	LS	1	\$ 1,500.00	\$ 1,500.00	\$ 1,575.00	\$ 1,575.00	5.00%	\$ 1,350.00	\$ 1,350.00	-10.00%	\$ 1,400.00	\$ 1,400.00	-6.67%	\$ 1,407.00	\$ 1,407.00	-6.20%
1017002	Service Entrance and Cabinet - Type II	EA	2	\$ 9,298.00	\$ 18,596.00	\$ 13,200.00	\$ 26,400.00	41.97%	\$ 11,500.00	\$ 23,000.00	23.68%	\$ 12,000.00	\$ 24,000.00	29.06%	\$ 11,802.00	\$ 23,604.00	26.93%
1102002	8" Aluminum Pedestal	EA	5	\$ 570.00	\$ 2,850.00	\$ 1,027.00	\$ 5,135.00	80.18%	\$ 900.00	\$ 4,500.00	57.89%	\$ 900.00	\$ 4,500.00	57.89%	\$ 918.75	\$ 4,593.75	61.18%
1103021A	28' Steel Span Pole	EA	2	\$ 9,604.00	\$ 19,208.00	\$ 21,830.00	\$ 43,660.00	127.30%	\$ 18,650.00	\$ 37,300.00	94.19%	\$ 19,000.00	\$ 38,000.00	97.83%	\$ 19,532.10	\$ 39,064.20	103.37%
1105001A	1 Way, 1 Section Span Wire Traffic Signal	EA	2	\$ 358.00	\$ 716.00	\$ 700.00	\$ 1,400.00	95.53%	\$ 650.00	\$ 1,300.00	81.56%	\$ 600.00	\$ 1,200.00	67.60%	\$ 625.80	\$ 1,251.60	74.80%
1105003A	1 Way, 3 Section Span Wire Traffic Signal	EA	6	\$ 963.00	\$ 5,778.00	\$ 1,810.00	\$ 10,860.00	87.95%	\$ 1,550.00	\$ 9,300.00	60.96%	\$ 1,600.00	\$ 9,600.00	66.15%	\$ 1,617.00	\$ 9,702.00	67.91%
1105007A	2 Way, 3 Section Span Wire Traffic Signal	EA	1	\$ 1,688.00	\$ 1,688.00	\$ 2,730.00	\$ 2,730.00	61.73%	\$ 2,350.00	\$ 2,350.00	39.22%	\$ 2,400.00	\$ 2,400.00	42.18%	\$ 2,441.25	\$ 2,441.25	44.62%
1106001A	1 Way Pedestrian Signal Pole Mounted	EA	1	\$ 687.00	\$ 687.00	\$ 1,055.00	\$ 1,055.00	53.57%	\$ 925.00	\$ 925.00	34.64%	\$ 900.00	\$ 900.00	31.00%	\$ 945.00	\$ 945.00	37.55%
1106003A	1 Way Pedestrian Signal Pedestal Mounted	EA	5	\$ 547.00	\$ 2,735.00	\$ 955.00	\$ 4,775.00	74.59%	\$ 850.00	\$ 4,250.00	55.39%	\$ 850.00	\$ 4,250.00	55.39%	\$ 855.75	\$ 4,278.75	56.44%
1107007A	Pedestrian Push Button and Sign (Piezo)	EA	6	\$ 300.00	\$ 1,800.00	\$ 565.00	\$ 3,390.00	88.33%	\$ 500.00	\$ 3,000.00	66.67%	\$ 500.00	\$ 3,000.00	66.67%	\$ 504.00	\$ 3,024.00	68.00%
1108116A	Fully Actuated Controller with Actuated Pedestrian Phase (16 Phase)	EA	1	\$ 11,000.00	\$ 11,000.00	\$ 25,820.00	\$ 25,820.00	134.73%	\$ 22,500.00	\$ 22,500.00	104.55%	\$ 23,000.00	\$ 23,000.00	109.09%	\$ 25,000.00	\$ 25,000.00	127.27%
1111201A	Temporary Detection (Site No. 1)	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 6,105.00	\$ 6,105.00	144.20%	\$ 5,500.00	\$ 5,500.00	120.00%	\$ 5,500.00	\$ 5,500.00	120.00%	\$ 5,460.00	\$ 5,460.00	118.40%
1111600A	Extension Bracket	EA	1	\$ 1,800.00	\$ 1,800.00	\$ 4,200.00	\$ 4,200.00	133.33%	\$ 3,650.00	\$ 3,650.00	102.78%	\$ 3,600.00	\$ 3,600.00	100.00%	\$ 3,759.00	\$ 3,759.00	108.83%
1112284A	Vehicle Detection Monitor	EA	1	\$ 1,200.00	\$ 1,200.00	\$ 2,165.00	\$ 2,165.00	80.42%	\$ 1,900.00	\$ 1,900.00	58.33%	\$ 1,900.00	\$ 1,900.00	58.33%	\$ 1,937.25	\$ 1,937.25	61.44%
1112285A	Thermal Video Dector Assembly	EA	2	\$ 6,900.00	\$ 13,800.00	\$ 10,320.00	\$ 20,640.00	49.57%	\$ 8,850.00	\$ 17,700.00	28.26%	\$ 9,000.00	\$ 18,000.00	30.43%	\$ 9,229.50	\$ 18,459.00	33.76%
1112286A	360 Degree Camera Assembly	EA	1	\$ 4,645.00	\$ 4,645.00	\$ 8,510.00	\$ 8,510.00	83.21%	\$ 7,500.00	\$ 7,500.00	61.46%	\$ 7,500.00	\$ 7,500.00	61.46%	\$ 7,612.50	\$ 7,612.50	63.89%
1112287A	360 Degree Video Detection Processor	EA	1	\$ 21,238.00	\$ 21,238.00	\$ 28,250.00	\$ 28,250.00	33.02%	\$ 24,500.00	\$ 24,500.00	15.36%	\$ 25,000.00	\$ 25,000.00	17.71%	\$ 25,263.00	\$ 25,263.00	18.95%
1113049	2 Conductor No. 8 Cable	LF	80	\$ 1.60	\$ 128.00	\$ 3.80	\$ 304.00	137.50%	\$ 3.35	\$ 268.00	109.38%	\$ 3.50	\$ 280.00	118.75%	\$ 3.41	\$ 272.80	113.13%
1113102	5 Conductor No. 14 Cable	LF	350	\$ 2.30	\$ 805.00	\$ 1.50	\$ 525.00	-34.78%	\$ 1.35	\$ 472.50	-41.30%	\$ 1.35	\$ 472.50	-41.30%	\$ 1.31	\$ 458.50	-43.04%
1113103	7 Conductor No. 14 Cable	LF	1055	\$ 2.50	\$ 2,637.50	\$ 3.80	\$ 4,009.00	52.00%	\$ 3.50	\$ 3,692.50	40.00%	\$ 3.50	\$ 3,692.50	40.00%	\$ 3.41	\$ 3,597.55	36.40%
1113104	9 Conductor No. 14 Cable	LF	155	\$ 2.70	\$ 418.50	\$ 4.30	\$ 666.50	59.26%	\$ 4.00	\$ 620.00	48.15%	\$ 4.00	\$ 620.00	48.15%	\$ 3.83	\$ 593.65	41.85%
1113125	25 Conductor No. 14 Cable	LF	75	\$ 4.10	\$ 307.50	\$ 6.75	\$ 506.25	64.63%	\$ 6.00	\$ 450.00	46.34%	\$ 6.00	\$ 450.00	46.34%	\$ 6.03	\$ 452.25	47.07%
1113399	Cable Closure	EA	1	\$ 615.00	\$ 615.00	\$ 1,700.00	\$ 1,700.00	176.42%	\$ 1,550.00	\$ 1,550.00	152.03%	\$ 1,500.00	\$ 1,500.00	143.90%	\$ 1,522.50	\$ 1,522.50	147.56%
1113725A	23 AWG 4 Twisted Pair Category 6 Cable	LF	105	\$ 3.00	\$ 315.00	\$ 4.40	\$ 462.00	46.67%	\$ 4.00	\$ 420.00	33.33%	\$ 400.00	\$ 420,000.00	13233.33%	\$ 4.00	\$ 420.00	33.33%
1113901A	Camera Cable	LF	471	\$ 3.00	\$ 1,413.00	\$ 5.35	\$ 2,519.85	78.33%	\$ 4.75	\$ 2,237.25	58.33%	\$ 5.00	\$ 2,355.00	66.67%	\$ 4.77	\$ 2,246.67	59.00%

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
0979003	Construction Barricade Type III	EA	15	\$ 141.00	\$ 2,115.00	\$ 150.00	\$ 2,250.00	6.38%	\$ 135.00	\$ 2,025.00	-4.26%	\$ 117.00	\$ 1,755.00	-17.02%	\$ 132.33	\$ 135.00	\$ 125.00	\$ 137.00
0980001	Construction Staking	LS	1	\$ 207,840.00	\$ 207,840.00	\$ 150,000.00	\$ 150,000.00	-27.83%	\$ 62,000.00	\$ 62,000.00	-70.17%	\$ 250,000.00	\$ 250,000.00	20.28%	\$ 139,058.33	\$ 196,000.00	\$ 21,175.00	\$ 200,000.00
0992087A	Kiosk	EA	2	\$ 12,000.00	\$ 24,000.00	\$ 12,000.00	\$ 24,000.00	0.00%	\$ 8,000.00	\$ 16,000.00	-33.33%	\$ 11,000.00	\$ 22,000.00	-8.33%	\$ 12,033.33	\$ 10,600.00	\$ 8,000.00	\$ 17,500.00
0992090A	Bench	EA	5	\$ 3,500.00	\$ 17,500.00	\$ 4,300.00	\$ 21,500.00	22.86%	\$ 2,500.00	\$ 12,500.00	-28.57%	\$ 5,100.00	\$ 25,500.00	45.71%	\$ 3,105.00	\$ 3,315.00	\$ 2,500.00	\$ 3,500.00
0999002	Disposal of Buildings	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 20,000.00	\$ 20,000.00	-80.00%	\$ 66,000.00	\$ 66,000.00	-34.00%	\$ 50,000.00	\$ 50,000.00	-50.00%	\$ 12,883.33	\$ 10,150.00	\$ 7,500.00	\$ 21,000.00
1001001A	Trenching and Backfilling	LF	838	\$ 27.00	\$ 22,626.00	\$ 26.25	\$ 21,997.50	-2.78%	\$ 31.00	\$ 25,978.00	14.81%	\$ 56.90	\$ 47,682.20	110.74%	\$ 39.43	\$ 30.80	\$ 28.00	\$ 59.50
1002110A	Decorative Light Pole Foundation	EA	6	\$ 885.00	\$ 5,310.00	\$ 990.00	\$ 5,940.00	11.86%	\$ 1,139.00	\$ 6,834.00	28.70%	\$ 990.00	\$ 5,940.00	11.86%	\$ 1,733.33	\$ 2,090.00	\$ 1,000.00	\$ 2,110.00
1002201A	Traffic Control Foundation-Span Pole	EA	2	\$ 9,290.00	\$ 18,580.00	\$ 18,675.00	\$ 37,350.00	101.02%	\$ 21,477.00	\$ 42,954.00	131.18%	\$ 18,675.00	\$ 37,350.00	101.02%	\$ 21,306.67	\$ 21,920.00	\$ 19,000.00	\$ 23,000.00
1002203	Traffic Control Foundation Pedestal - Type I	EA	5	\$ 555.00	\$ 2,775.00	\$ 825.00	\$ 4,125.00	48.65%	\$ 949.00	\$ 4,745.00	70.99%	\$ 825.00	\$ 4,125.00	48.65%	\$ 946.67	\$ 970.00	\$ 850.00	\$ 1,020.00
1002208	Traffic Control Foundation Controller - Type IV	EA	1	\$ 1,400.00	\$ 1,400.00	\$ 1,675.00	\$ 1,675.00	19.64%	\$ 1,927.00	\$ 1,927.00	37.64%	\$ 1,675.00	\$ 1,675.00	19.64%	\$ 1,908.33	\$ 1,965.00	\$ 1,700.00	\$ 2,060.00
1003585A	Decorative Light Pole with Single Luminaire	EA	6	\$ 4,525.00	\$ 27,150.00	\$ 2,400.00	\$ 14,400.00	-46.96%	\$ 2,760.00	\$ 16,560.00	-39.01%	\$ 2,400.00	\$ 14,400.00	-46.96%	\$ 2,758.33	\$ 2,815.00	\$ 2,500.00	\$ 2,960.00
1004296A	Solar Powered Emergency Call Box	EA	9	\$ 5,000.00	\$ 45,000.00	\$ 12,400.00	\$ 111,600.00	148.00%	\$ 14,260.00	\$ 128,340.00	185.20%	\$ 12,400.00	\$ 111,600.00	148.00%	\$ 14,480.00	\$ 15,140.00	\$ 13,000.00	\$ 15,300.00
1008115	2" Rigid Metal Conduit in Trench	LF	75	\$ 20.00	\$ 1,500.00	\$ 22.10	\$ 1,657.50	10.50%	\$ 26.00	\$ 1,950.00	30.00%	\$ 22.10	\$ 1,657.50	10.50%	\$ 25.33	\$ 26.00	\$ 23.00	\$ 27.00
1008117	3" Rigid Metal Conduit in Trench	LF	99	\$ 21.00	\$ 2,079.00	\$ 46.40	\$ 4,593.60	120.95%	\$ 54.00	\$ 5,346.00	157.14%	\$ 46.40	\$ 4,593.60	120.95%	\$ 53.17	\$ 54.50	\$ 48.00	\$ 57.00
1008127	2" Polyvinyl Chloride Conduit in Trench	LF	363	\$ 7.00	\$ 2,541.00	\$ 9.60	\$ 3,484.80	37.14%	\$ 12.00	\$ 4,356.00	71.43%	\$ 9.60	\$ 3,484.80	37.14%	\$ 11.08	\$ 11.25	\$ 10.00	\$ 12.00
1008215	2" Rigid Metal Conduit Under Roadway	LF	290	\$ 19.00	\$ 5,510.00	\$ 45.10	\$ 13,079.00	137.37%	\$ 29.00	\$ 8,410.00	52.63%	\$ 25.10	\$ 7,279.00	32.11%	\$ 28.83	\$ 29.50	\$ 26.00	\$ 31.00
1008217	3" Rigid Metal Conduit Under Roadway	LF	19	\$ 34.00	\$ 646.00	\$ 71.40	\$ 1,356.60	110.00%	\$ 60.00	\$ 1,140.00	76.47%	\$ 51.40	\$ 976.60	51.18%	\$ 50.25	\$ 60.25	\$ 27.00	\$ 63.50
1010001	Concrete Handhole	EA	2	\$ 586.00	\$ 1,172.00	\$ 625.00	\$ 1,250.00	6.66%	\$ 719.00	\$ 1,438.00	22.70%	\$ 625.00	\$ 1,250.00	6.66%	\$ 717.83	\$ 733.50	\$ 650.00	\$ 770.00
1010021	Concrete Handhole - Type II	EA	1	\$ 497.00	\$ 497.00	\$ 525.00	\$ 525.00	5.63%	\$ 604.00	\$ 604.00	21.53%	\$ 525.00	\$ 525.00	5.63%	\$ 604.00	\$ 616.00	\$ 550.00	\$ 646.00
1010040	Precast Polymer Concrete Handhole Type II (11"x18")	EA	6	\$ 500.00	\$ 3,000.00	\$ 960.00	\$ 5,760.00	92.00%	\$ 1,104.00	\$ 6,624.00	120.80%	\$ 960.00	\$ 5,760.00	92.00%	\$ 1,101.67	\$ 1,125.00	\$ 1,000.00	\$ 1,180.00
1010052	Cast Iron Handhole Cover	EA	2	\$ 457.00	\$ 914.00	\$ 525.00	\$ 1,050.00	14.88%	\$ 604.00	\$ 1,208.00	32.17%	\$ 525.00	\$ 1,050.00	14.88%	\$ 604.00	\$ 616.00	\$ 550.00	\$ 646.00
1010054	Cast Iron Handhole Cover, Type II	EA	1	\$ 389.00	\$ 389.00	\$ 410.00	\$ 410.00	5.40%	\$ 472.00	\$ 472.00	21.34%	\$ 410.00	\$ 410.00	5.40%	\$ 475.00	\$ 480.00	\$ 440.00	\$ 505.00
1012038	No. 8 Single Conductor	LF	711	\$ 1.50	\$ 1,066.50	\$ 2.66	\$ 1,891.26	77.33%	\$ 3.00	\$ 2,133.00	100.00%	\$ 2.66	\$ 1,891.26	77.33%	\$ 3.22	\$ 3.15	\$ 3.00	\$ 3.50
1015001	No. 8 Bare Copper Grounding Conductor	LF	356	\$ 1.00	\$ 356.00	\$ 1.10	\$ 391.60	10.00%	\$ 2.00	\$ 712.00	100.00%	\$ 1.10	\$ 391.60	10.00%	\$ 1.33	\$ 1.30	\$ 1.20	\$ 1.50
1015034A	Sign Post	EA	60	\$ 100.00	\$ 6,000.00	\$ 350.00	\$ 21,000.00	250.00%	\$ 320.00	\$ 19,200.00	220.00%	\$ 500.00	\$ 30,000.00	400.00%	\$ 391.00	\$ 414.00	\$ 339.00	\$ 420.00
1015034A	Grounding and Bonding	LS	1	\$ 1,500.00	\$ 1,500.00	\$ 1,340.00	\$ 1,340.00	-10.67%	\$ 1,541.00	\$ 1,541.00	2.73%	\$ 1,340.00	\$ 1,340.00	-10.67%	\$ 1,441.67	\$ 1,400.00	\$ 1,350.00	\$ 1,575.00
1017002	Service Entrance and Cabinet - Type II	EA	2	\$ 9,298.00	\$ 18,596.00	\$ 11,240.00	\$ 22,480.00	20.89%	\$ 12,926.00	\$ 25,852.00	39.02%	\$ 11,240.00	\$ 22,480.00	20.89%	\$ 12,233.33	\$ 12,000.00	\$ 11,500.00	\$ 13,200.00
1102002	8" Aluminum Pedestal	EA	5	\$ 570.00	\$ 2,850.00	\$ 875.00	\$ 4,375.00	53.51%	\$ 1,007.00	\$ 5,035.00	76.67%	\$ 875.00	\$ 4,375.00	53.51%	\$ 942.33	\$ 900.00	\$ 900.00	\$ 1,027.00
1103021A	28' Steel Span Pole	EA	2	\$ 9,604.00	\$ 19,208.00	\$ 18,602.00	\$ 37,204.00	93.69%	\$ 21,393.00	\$ 42,786.00	122.75%	\$ 18,602.00	\$ 37,204.00	93.69%	\$ 19,826.67	\$ 19,000.00	\$ 18,650.00	\$ 21,830.00
1105001A	1 Way, 1 Section Span Wire Traffic Signal	EA	2	\$ 358.00	\$ 716.00	\$ 596.00	\$ 1,192.00	66.48%	\$ 686.00	\$ 1,372.00	91.62%	\$ 596.00	\$ 1,192.00	66.48%	\$ 650.00	\$ 650.00	\$ 600.00	\$ 700.00
1105003A	1 Way, 3 Section Span Wire Traffic Signal	EA	6	\$ 963.00	\$ 5,778.00	\$ 1,540.00	\$ 9,240.00	59.92%	\$ 1,771.00	\$ 10,626.00	83.90%	\$ 1,540.00	\$ 9,240.00	59.92%	\$ 1,653.33	\$ 1,600.00	\$ 1,550.00	\$ 1,810.00
1105007A	2 Way, 3 Section Span Wire Traffic Signal	EA	1	\$ 1,688.00	\$ 1,688.00	\$ 2,325.00	\$ 2,325.00	37.74%	\$ 2,674.00	\$ 2,674.00	58.41%	\$ 2,325.00	\$ 2,325.00	37.74%	\$ 2,493.33	\$ 2,400.00	\$ 2,350.00	\$ 2,730.00
1106001A	1 Way Pedestrian Signal Pole Mounted	EA	1	\$ 687.00	\$ 687.00	\$ 900.00	\$ 900.00	31.00%	\$ 1,035.00	\$ 1,035.00	50.66%	\$ 900.00	\$ 900.00	31.00%	\$ 960.00	\$ 925.00	\$ 900.00	\$ 1,055.00
1106003A	1 Way Pedestrian Signal Pedestal Mounted	EA	5	\$ 547.00	\$ 2,735.00	\$ 815.00	\$ 4,075.00	48.99%	\$ 938.00	\$ 4,690.00	71.48%	\$ 815.00	\$ 4,075.00	48.99%	\$ 885.00	\$ 850.00	\$ 850.00	\$ 955.00
1107007A	Pedestrian Push Button and Sign (Piezo)	EA	6	\$ 300.00	\$ 1,800.00	\$ 480.00	\$ 2,880.00	60.00%	\$ 552.00	\$ 3,312.00	84.00%	\$ 480.00	\$ 2,880.00	60.00%	\$ 521.67	\$ 500.00	\$ 500.00	\$ 565.00
1108116A	Fully Actuated Controller with Actuated Pedestrian Phase (16 Phase)	EA	1	\$ 11,000.00	\$ 11,000.00	\$ 22,000.00	\$ 22,000.00	100.00%	\$ 26,680.00	\$ 26,680.00	142.55%	\$ 22,000.00	\$ 22,000.00	100.00%	\$ 23,773.33	\$ 23,000.00	\$ 22,500.00	\$ 25,820.00
1111201A	Temporary Detection (Site No. 1)	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 5,200.00	\$ 5,200.00	108.00%	\$ 5,980.00	\$ 5,980.00	139.20%	\$ 5,200.00	\$ 5,200.00	108.00%	\$ 5,701.67	\$ 5,500.00	\$ 5,500.00	\$ 6,105.00
1111600A	Extension Bracket	EA	1	\$ 1,800.00	\$ 1,800.00	\$ 3,580.00	\$ 3,580.00	98.89%	\$ 4,117.00	\$ 4,117.00	128.72%	\$ 3,580.00	\$ 3,580.00	98.89%	\$ 3,816.67	\$ 3,650.00	\$ 3,600.00	\$ 4,200.00
1112284A	Vehicle Detection Monitor	EA	1	\$ 1,200.00	\$ 1,200.00	\$ 1,845.00	\$ 1,845.00	53.75%	\$ 2,122.00	\$ 2,122.00	76.83%	\$ 1,845.00	\$ 1,845.00	53.75%	\$ 1,988.33	\$ 1,900.00	\$ 1,900.00	\$ 2,165.00
1112285A	Thermal Video Dector Assembly	EA	2	\$ 6,900.00	\$ 13,800.00	\$ 8,790.00	\$ 17,580.00	27.39%	\$ 10,109.00	\$ 20,218.00	46.51%	\$ 8,790.00	\$ 17,580.00	27.39%	\$ 9,390.00	\$ 9,000.00	\$ 8,850.00	\$ 10,320.00
1112286A	360 Degree Camera Assembly	EA	1	\$ 4,645.00	\$ 4,645.00	\$ 7,250.00	\$ 7,250.00	56.08%	\$ 8,338.00	\$ 8,338.00	79.50%	\$ 7,250.00	\$ 7,250.00	56.08%	\$ 7,836.67	\$ 7,500.00	\$ 7,500.00	\$ 8,510.00
1112287A	360 Degree Video Detection Processor	EA	1	\$ 21,238.00	\$ 21,238.00	\$ 24,060.00	\$ 24,060.00	13.29%	\$ 27,669.00	\$ 27,669.00	30.28%	\$ 24,060.00	\$ 24,060.00	13.29%	\$ 25,916.67	\$ 25,000.00	\$ 24,500.00	\$ 28,250.00
1113049	2 Conductor No. 8 Cable	LF	80	\$ 1.60	\$ 128.00	\$ 3.25	\$ 260.00	103.13%	\$ 4.00	\$ 320.00	150.00%	\$ 3.25	\$ 260.00	103.13%	\$ 3.55	\$ 3.50	\$ 3.35	\$ 3.80
1113102	5 Conductor No. 14 Cable	LF	350	\$ 2.30	\$ 805.00	\$ 1.25	\$ 437.50	-45.65%	\$ 2.00	\$ 700.00	-13.04%	\$ 1.25	\$ 437.50	-45.65%	\$ 1.40	\$ 1.35	\$ 1.35	\$ 1.50
1113103	7 Conductor No. 14 Cable	LF	1055	\$ 2.50	\$ 2,637.50	\$ 3.25	\$ 3,428.75	30.00%	\$ 4.00	\$ 4,220.00	60.00%	\$ 3.25	\$ 3,428.75	30.00%	\$ 3.60	\$ 3.50	\$ 3.50	\$ 3.80
1113104	9 Conductor No. 14 Cable	LF	155	\$ 2.70	\$ 418.50	\$ 3.65	\$ 565.75	35.19%	\$ 5.00	\$ 775.00	85.19%	\$ 3.65	\$ 565.75	35.19%	\$ 4.10	\$ 4.00	\$ 4.00	\$ 4.30
1113125	25 Conductor No. 14 Cable	LF	75	\$ 4.10	\$ 307.50	\$ 5.75	\$ 431.25	40.24%	\$ 7.00	\$ 525.00	70.73%	\$ 5.75	\$ 431.25	40.24%	\$ 6.25	\$ 6.00	\$ 6.00	\$ 6.75
1113399	Cable Closure	EA	1	\$ 615.00	\$ 615.00	\$ 1,450.00	\$ 1,450.00	135.77%	\$ 1,668.00	\$ 1,668.00	171.22%	\$ 1,450.00	\$ 1,450.00	135.77%	\$ 1,583.33	\$ 1,550		

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
1114102A	Span Wire	LF	134	\$ 9.00	\$ 1,206.00	\$ 13.00	\$ 1,742.00	44.44%	\$ 11.50	\$ 1,541.00	27.78%	\$ 11.50	\$ 1,541.00	27.78%	\$ 11.65	\$ 1,561.10	29.44%
1118012A	Removal and/or Relocation of Traffic Signal Equipment	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 8,800.00	\$ 8,800.00	-12.00%	\$ 8,000.00	\$ 8,000.00	-20.00%	\$ 8,000.00	\$ 8,000.00	-20.00%	\$ 7,875.00	\$ 7,875.00	-21.25%
1118051A	Temporary Signalization (Site No. 1)	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 8,685.00	\$ 8,685.00	73.70%	\$ 8,000.00	\$ 8,000.00	60.00%	\$ 7,500.00	\$ 7,500.00	50.00%	\$ 7,770.00	\$ 7,770.00	55.40%
1131002	Remote Control Changeable Message Sign	DAY	15	\$ 108.00	\$ 1,620.00	\$ 82.15	\$ 1,232.25	-23.94%	\$ 30.00	\$ 450.00	-72.22%	\$ 260.00	\$ 3,900.00	140.74%	\$ 50.00	\$ 750.00	-53.70%
1205207	Type DE-7 Delineator	EA	16	\$ 22.00	\$ 352.00	\$ 17.60	\$ 281.60	-20.00%	\$ 13.75	\$ 220.00	-37.50%	\$ 25.00	\$ 400.00	13.64%	\$ 20.00	\$ 320.00	-9.09%
1206023A	Removal and Relocation of Existing Signs	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 3,520.00	\$ 3,520.00	76.00%	\$ 350.00	\$ 350.00	-82.50%	\$ 5,000.00	\$ 5,000.00	150.00%	\$ 25.00	\$ 25.00	-98.75%
1208931A	Sign Face - Sheet Aluminum (Type IX Retroreflective Sheeting)	SF	40	\$ 46.00	\$ 1,840.00	\$ 44.65	\$ 1,786.00	-2.93%	\$ 84.00	\$ 3,360.00	82.61%	\$ 75.00	\$ 3,000.00	63.04%	\$ 120.00	\$ 4,800.00	160.87%
1208932	Sign Face - Sheet Aluminum (Type IV Reflective Sheeting)	SF	254	\$ 40.00	\$ 10,160.00	\$ 44.65	\$ 11,341.10	11.63%	\$ 32.50	\$ 8,255.00	-18.75%	\$ 72.00	\$ 18,288.00	80.00%	\$ 58.00	\$ 14,732.00	45.00%
1210102	4" Yellow Epoxy Resin Pavement Markings	LF	794	\$ 1.00	\$ 794.00	\$ 1.50	\$ 1,191.00	50.00%	\$ 1.50	\$ 1,191.00	50.00%	\$ 1.00	\$ 794.00	0.00%	\$ 1.30	\$ 1,032.20	30.00%
1210105	Epoxy Resin Pavement Markings, Symbols and Legends	SF	465	\$ 5.00	\$ 2,325.00	\$ 4.70	\$ 2,185.50	-6.00%	\$ 4.00	\$ 1,860.00	-20.00%	\$ 5.00	\$ 2,325.00	0.00%	\$ 4.00	\$ 1,860.00	-20.00%
1210106	12" White Epoxy Resin Pavement Markings	LF	60	\$ 2.00	\$ 120.00	\$ 4.70	\$ 282.00	135.00%	\$ 5.00	\$ 300.00	150.00%	\$ 7.00	\$ 420.00	250.00%	\$ 4.00	\$ 240.00	100.00%
1211001	Removal of Pavement Markings	SF	200	\$ 1.00	\$ 200.00	\$ 2.35	\$ 470.00	135.00%	\$ 2.00	\$ 400.00	100.00%	\$ 7.00	\$ 1,400.00	600.00%	\$ 2.00	\$ 400.00	100.00%
1220027	Construction Signs	SF	550	\$ 17.00	\$ 9,350.00	\$ 10.00	\$ 5,500.00	-41.18%	\$ 9.00	\$ 4,950.00	-47.06%	\$ 10.00	\$ 5,500.00	-41.18%	\$ 24.00	\$ 13,200.00	41.18%
1303196A	Relocate Fire Hydrant	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 7,500.00	\$ 7,500.00	400.00%	\$ 4,970.00	\$ 4,970.00	231.33%	\$ 500.00	\$ 500.00	-66.67%	\$ 3,000.00	\$ 3,000.00	100.00%
1400003A	Trench Excavation 0'-10' Deep (Sanitary Sewer)	CY	60	\$ 50.00	\$ 3,000.00	\$ 6.40	\$ 384.00	-87.20%	\$ 35.00	\$ 2,100.00	-30.00%	\$ 28.00	\$ 1,680.00	-44.00%	\$ 18.00	\$ 1,080.00	-64.00%
1400004A	Rock in Trench Excavation 0'-10' Deep (Sanitary Sewer)	CY	10	\$ 150.00	\$ 1,500.00	\$ 175.00	\$ 1,750.00	16.67%	\$ 150.00	\$ 1,500.00	0.00%	\$ 150.00	\$ 1,500.00	0.00%	\$ 40.00	\$ 400.00	-73.33%
1401249A	30" Ductile Iron Pipe (Sanitary Sewer)	LF	150	\$ 850.00	\$ 127,500.00	\$ 450.00	\$ 67,500.00	-47.06%	\$ 307.00	\$ 46,050.00	-63.88%	\$ 337.00	\$ 50,550.00	-60.35%	\$ 375.00	\$ 56,250.00	-55.88%
1401250A	36" Ductile Iron Pipe (Sanitary Sewer)	LF	10	\$ 1,000.00	\$ 10,000.00	\$ 790.00	\$ 7,900.00	-21.00%	\$ 800.00	\$ 8,000.00	-20.00%	\$ 510.00	\$ 5,100.00	-49.00%	\$ 600.00	\$ 6,000.00	-40.00%
1403001A	Manhole (Sanitary Sewer)	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 21,245.00	\$ 21,245.00	324.90%	\$ 12,500.00	\$ 12,500.00	150.00%	\$ 10,500.00	\$ 10,500.00	110.00%	\$ 12,000.00	\$ 12,000.00	140.00%
1403100A	Junction Chamber (Sanitary Sewer)	EA	3	\$ 5,000.00	\$ 15,000.00	\$ 29,850.00	\$ 89,550.00	497.00%	\$ 23,600.00	\$ 70,800.00	372.00%	\$ 25,000.00	\$ 75,000.00	400.00%	\$ 23,000.00	\$ 69,000.00	360.00%
1403501A	Reset Manhole (Sanitary Sewer)	EA	10	\$ 825.00	\$ 8,250.00	\$ 1,295.00	\$ 12,950.00	56.97%	\$ 3,110.00	\$ 31,100.00	276.97%	\$ 750.00	\$ 7,500.00	-9.09%	\$ 1,700.00	\$ 17,000.00	106.06%
1405103A	Bedding Material (Sanitary Sewer)	CY	35	\$ 60.00	\$ 2,100.00	\$ 35.25	\$ 1,233.75	-41.25%	\$ 41.50	\$ 1,452.50	-30.83%	\$ 53.00	\$ 1,855.00	-11.67%	\$ 45.00	\$ 1,575.00	-25.00%
1408455A	Temporary Sanitary Sewer Bypass	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 89,025.00	\$ 89,025.00	345.13%	\$ 12,700.00	\$ 12,700.00	-36.50%	\$ 98,000.00	\$ 98,000.00	390.00%	\$ 60,000.00	\$ 60,000.00	200.00%
1507001A	Protection and Support of Existing Utilities (Sanitary Sewer)	LS	1	\$ 12,000.00	\$ 12,000.00	\$ 25,625.00	\$ 25,625.00	113.54%	\$ 15,600.00	\$ 15,600.00	30.00%	\$ 15,000.00	\$ 15,000.00	25.00%	\$ 10,000.00	\$ 10,000.00	-16.67%
1802210.07	Temporary Sand Barrell (700 LB.)	EA	4	\$ 385.00	\$ 1,540.00	\$ 460.00	\$ 1,840.00	19.48%	\$ 475.00	\$ 1,900.00	23.38%	\$ 300.00	\$ 1,200.00	-22.08%	\$ 400.00	\$ 1,600.00	3.90%
1802210.14	Temporary Sand Barrell (1400 LB.)	EA	16	\$ 388.00	\$ 6,208.00	\$ 461.00	\$ 7,376.00	18.81%	\$ 480.00	\$ 7,680.00	23.71%	\$ 300.00	\$ 4,800.00	-22.68%	\$ 450.00	\$ 7,200.00	15.98%
1302062A	Temporary Sand Barrell (2100 LB.)	EA	8	\$ 393.00	\$ 3,144.00	\$ 462.00	\$ 3,696.00	17.56%	\$ 480.00	\$ 3,840.00	22.14%	\$ 300.00	\$ 2,400.00	-23.66%	\$ 500.00	\$ 4,000.00	27.23%
1803301	Temporary Impact Attenuation System (Tangential)	EA	2	\$ 4,300.00	\$ 8,600.00	\$ 5,165.00	\$ 10,330.00	20.12%	\$ 7,000.00	\$ 14,000.00	62.79%	\$ 4,700.00	\$ 9,400.00	9.30%	\$ 7,500.00	\$ 15,000.00	74.42%
					\$ -												#DIV/0!
<b>Total Base Contract:</b>					<b>\$ 11,656,000.00</b>		<b>\$ 12,180,000.00</b>	<b>4.50%</b>		<b>\$ 12,986,142.65</b>	<b>11.41%</b>		<b>\$ 13,539,324.25</b>	<b>16.16%</b>		<b>\$ 14,709,747.10</b>	<b>26.20%</b>
<b>Alternate No. 1 Bid</b>																	
0000302A	Custom Signage	EA	5	\$ 500.00	\$ 2,500.00	\$ 77.50	\$ 387.50	-84.50%	\$ 2,000.00	\$ 10,000.00	300.00%	\$ 500.00	\$ 2,500.00	0.00%	\$ 1,200.00	\$ 6,000.00	140.00%
0020763A	Disposal of Sediments	TON	2669	\$ 85.00	\$ 226,865.00	\$ 65.00	\$ 173,485.00	-23.53%	\$ 65.00	\$ 173,485.00		\$ 74.00	\$ 197,506.00	-12.94%	\$ 60.00	\$ 160,140.00	-29.41%
0100600A	Construction Access	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 29,000.00	\$ 29,000.00	-80.67%	\$ 70,000.00	\$ 70,000.00		\$ 95,000.00	\$ 95,000.00	-36.67%	\$ 40,000.00	\$ 40,000.00	-73.33%
0101000A	Environmental Health and Safety	LS	1	\$ 14,000.00	\$ 14,000.00	\$ 2,980.00	\$ 2,980.00	-78.71%	\$ 34,500.00	\$ 34,500.00		\$ 30,000.00	\$ 30,000.00	114.29%	\$ 5,000.00	\$ 5,000.00	-64.29%
0101117A	Controlled Material Handling	CY	2372	\$ 25.00	\$ 59,300.00	\$ 7.65	\$ 18,145.80	-69.40%	\$ 19.00	\$ 45,068.00		\$ 10.00	\$ 23,720.00	-60.00%	\$ 16.00	\$ 37,952.00	-36.00%
0101128A	Securing, Construction and Dismantling of a Waste Stockpile and Treatment Area	LS	1	\$ 45,000.00	\$ 45,000.00	\$ 53,565.00	\$ 53,565.00	19.03%	\$ 55,000.00	\$ 55,000.00		\$ 65,000.00	\$ 65,000.00	44.44%	\$ 90,000.00	\$ 90,000.00	100.00%
0101130A	Environmental Work - Solidification	TON	758	\$ 70.00	\$ 53,060.00	\$ 123.00	\$ 93,234.00	75.71%	\$ 300.00	\$ 227,400.00		\$ 150.00	\$ 113,700.00	114.29%	\$ 155.00	\$ 117,490.00	121.43%
010116A	Treatment System Operation	DAY	40	\$ 640.00	\$ 25,600.00	\$ 1,285.00	\$ 51,400.00	100.78%	\$ 250.00	\$ 10,000.00		\$ 1,500.00	\$ 60,000.00	134.38%	\$ 1,200.00	\$ 48,000.00	87.50%
0201001	Clearing and Grubbing (3% of Subtotal)	LS	1	\$ 61,050.00	\$ 61,050.00	\$ 62,284.50	\$ 62,284.50	2.02%	\$ 9,250.00	\$ 9,250.00		\$ 35,000.00	\$ 35,000.00	-42.67%	\$ 5,000.00	\$ 5,000.00	-91.81%
0201012	Removal of Trees	EA	3	\$ 1,000.00	\$ 3,000.00	\$ 596.00	\$ 1,788.00	-40.40%	\$ 1,630.00	\$ 4,890.00		\$ 6,500.00	\$ 19,500.00	550.00%	\$ 750.00	\$ 2,250.00	-25.00%
0201013	Removal of Existing Fence	LF	544	\$ 5.00	\$ 2,720.00	\$ 5.50	\$ 2,992.00	10.00%	\$ 4.00	\$ 2,176.00		\$ 5.00	\$ 2,720.00	0.00%	\$ 10.00	\$ 5,440.00	100.00%
0202000	Earth Excavation	CY	14840	\$ 20.00	\$ 296,800.00	\$ 17.00	\$ 252,280.00	-15.00%	\$ 17.00	\$ 252,280.00		\$ 23.00	\$ 341,320.00	15.00%	\$ 19.00	\$ 281,960.00	-5.00%
0202100	Rock Excavation	CY	1484	\$ 40.00	\$ 59,360.00	\$ 154.00	\$ 228,536.00	285.00%	\$ 90.00	\$ 133,560.00		\$ 75.00	\$ 111,300.00	87.50%	\$ 7.00	\$ 10,388.00	-82.50%
0202120	Rock Excavation (No Explosives)	CY	5	\$ 100.00	\$ 500.00	\$ 285.00	\$ 1,425.00	185.00%	\$ 120.00	\$ 600.00	20.00%	\$ 150.00	\$ 750.00	50.00%	\$ 90.00	\$ 450.00	-10.00%
0202200	Channel Excavation - Earth	CY	2622	\$ 30.00	\$ 78,660.00	\$ 20.75	\$ 54,406.50	-30.83%	\$ 43.00	\$ 112,746.00	43.33%	\$ 57.00	\$ 149,454.00	90.00%	\$ 24.00	\$ 62,928.00	-20.00%
0202250	Channel Excavation - Rock	CY	243	\$ 80.00	\$ 19,440.00	\$ 150.50	\$ 36,571.50	88.13%	\$ 67.00	\$ 16,281.00	-16.25%	\$ 64.00	\$ 15,552.00	-20.00%	\$ 10.00	\$ 2,430.00	-87.50%
0202315A	Disposal of Controlled Materials	TON	3	\$ 65.00	\$ 195.00	\$ 63.00	\$ 189.00	-3.08%	\$ 65.00	\$ 195.00		\$ 72.00	\$ 216.00	10.77%	\$ 90.00	\$ 270.00	38.46%

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
1114102A	Span Wire	LF	134	\$ 9.00	\$ 1,206.00	\$ 11.10	\$ 1,487.40	23.33%	\$ 13.00	\$ 1,742.00	44.44%	\$ 11.10	\$ 1,487.40	23.33%	\$ 12.00	\$ 11.50	\$ 11.50	\$ 13.00
1118012A	Removal and/or Relocation of Traffic Signal Equipment	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 7,500.00	\$ 7,500.00	-25.00%	\$ 8,625.00	\$ 8,625.00	-13.75%	\$ 7,500.00	\$ 7,500.00	-25.00%	\$ 8,266.67	\$ 8,000.00	\$ 8,000.00	\$ 8,800.00
1118051A	Temporary Signalization (Site No. 1)	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 7,400.00	\$ 7,400.00	48.00%	\$ 8,510.00	\$ 8,510.00	70.20%	\$ 7,400.00	\$ 7,400.00	48.00%	\$ 8,061.67	\$ 8,000.00	\$ 7,500.00	\$ 8,685.00
1131002	Remote Control Changeable Message Sign	DAY	15	\$ 108.00	\$ 1,620.00	\$ 75.00	\$ 1,125.00	-30.56%	\$ 162.00	\$ 2,430.00	50.00%	\$ 74.50	\$ 1,117.50	-31.02%	\$ 124.05	\$ 82.15	\$ 30.00	\$ 260.00
1205207	Type DE-7 Delineator	EA	16	\$ 22.00	\$ 352.00	\$ 25.00	\$ 400.00	13.64%	\$ 32.00	\$ 512.00	45.45%	\$ 25.00	\$ 400.00	13.64%	\$ 18.78	\$ 17.60	\$ 13.75	\$ 25.00
1206023A	Removal and Relocation of Existing Signs	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00	-50.00%	\$ 2,800.00	\$ 2,800.00	40.00%	\$ 2,016.00	\$ 2,016.00	0.80%	\$ 2,956.67	\$ 3,520.00	\$ 350.00	\$ 5,000.00
1208931A	Sign Face - Sheet Aluminum (Type IX Retroreflective Sheeting)	SF	40	\$ 46.00	\$ 1,840.00	\$ 65.00	\$ 2,600.00	41.30%	\$ 105.00	\$ 4,200.00	128.26%	\$ 95.00	\$ 3,800.00	106.52%	\$ 67.88	\$ 75.00	\$ 44.65	\$ 84.00
1208932	Sign Face - Sheet Aluminum (Type IV Reflective Sheeting)	SF	254	\$ 40.00	\$ 10,160.00	\$ 26.50	\$ 6,731.00	-33.75%	\$ 32.00	\$ 8,128.00	-20.00%	\$ 115.00	\$ 29,210.00	187.50%	\$ 49.72	\$ 44.65	\$ 32.50	\$ 72.00
1210102	4" Yellow Epoxy Resin Pavement Markings	LF	794	\$ 1.00	\$ 794.00	\$ 1.30	\$ 1,032.20	30.00%	\$ 1.50	\$ 1,191.00	50.00%	\$ 1.30	\$ 1,032.20	30.00%	\$ 1.33	\$ 1.50	\$ 1.00	\$ 1.50
1210105	Epoxy Resin Pavement Markings, Symbols and Legends	SF	465	\$ 5.00	\$ 2,325.00	\$ 4.00	\$ 1,860.00	-20.00%	\$ 4.60	\$ 2,139.00	-8.00%	\$ 4.00	\$ 1,860.00	-20.00%	\$ 4.57	\$ 4.70	\$ 4.00	\$ 5.00
1210106	12" White Epoxy Resin Pavement Markings	LF	60	\$ 2.00	\$ 120.00	\$ 4.00	\$ 240.00	100.00%	\$ 4.60	\$ 276.00	130.00%	\$ 4.00	\$ 240.00	100.00%	\$ 5.57	\$ 5.00	\$ 4.70	\$ 7.00
1211001	Removal of Pavement Markings	SF	200	\$ 1.00	\$ 200.00	\$ 2.00	\$ 400.00	100.00%	\$ 2.50	\$ 500.00	150.00%	\$ 2.00	\$ 400.00	100.00%	\$ 3.78	\$ 2.35	\$ 2.00	\$ 7.00
1220027	Construction Signs	SF	550	\$ 17.00	\$ 9,350.00	\$ 32.00	\$ 17,600.00	88.24%	\$ 41.00	\$ 22,550.00	141.18%	\$ 42.00	\$ 23,100.00	147.06%	\$ 9.67	\$ 10.00	\$ 9.00	\$ 10.00
1303196A	Relocate Fire Hydrant	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 10,000.00	\$ 10,000.00	566.67%	\$ 1,380.00	\$ 1,380.00	-8.00%	\$ 7,800.00	\$ 7,800.00	420.00%	\$ 4,323.33	\$ 4,970.00	\$ 500.00	\$ 7,500.00
1400003A	Trench Excavation 0'-10' Deep (Sanitary Sewer)	CY	60	\$ 50.00	\$ 3,000.00	\$ 25.00	\$ 1,500.00	-50.00%	\$ 92.00	\$ 5,520.00	84.00%	\$ 110.00	\$ 6,600.00	120.00%	\$ 23.13	\$ 28.00	\$ 6.40	\$ 35.00
1400004A	Rock in Trench Excavation 0'-10' Deep (Sanitary Sewer)	CY	10	\$ 150.00	\$ 1,500.00	\$ 300.00	\$ 3,000.00	100.00%	\$ 460.00	\$ 4,600.00	206.67%	\$ 424.50	\$ 4,245.00	183.00%	\$ 158.33	\$ 150.00	\$ 150.00	\$ 175.00
1401249A	30" Ductile Iron Pipe (Sanitary Sewer)	LF	150	\$ 850.00	\$ 127,500.00	\$ 400.00	\$ 60,000.00	-52.94%	\$ 395.00	\$ 59,250.00	-53.53%	\$ 593.50	\$ 89,025.00	-30.18%	\$ 364.67	\$ 337.00	\$ 307.00	\$ 450.00
1401250A	36" Ductile Iron Pipe (Sanitary Sewer)	LF	10	\$ 1,000.00	\$ 10,000.00	\$ 870.00	\$ 8,700.00	-13.00%	\$ 430.00	\$ 4,300.00	-57.00%	\$ 1,900.00	\$ 19,000.00	90.00%	\$ 700.00	\$ 790.00	\$ 510.00	\$ 800.00
1403001A	Manhole (Sanitary Sewer)	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00	300.00%	\$ 11,000.00	\$ 11,000.00	120.00%	\$ 15,000.00	\$ 15,000.00	200.00%	\$ 14,748.33	\$ 12,500.00	\$ 10,500.00	\$ 21,245.00
1403100A	Junction Chamber (Sanitary Sewer)	EA	3	\$ 5,000.00	\$ 15,000.00	\$ 25,000.00	\$ 75,000.00	400.00%	\$ 20,000.00	\$ 60,000.00	300.00%	\$ 23,781.00	\$ 71,343.00	375.62%	\$ 26,150.00	\$ 25,000.00	\$ 23,600.00	\$ 29,850.00
1403501A	Reset Manhole (Sanitary Sewer)	EA	10	\$ 825.00	\$ 8,250.00	\$ 3,100.00	\$ 31,000.00	275.76%	\$ 800.00	\$ 8,000.00	-3.03%	\$ 1,800.00	\$ 18,000.00	118.18%	\$ 1,718.33	\$ 1,295.00	\$ 750.00	\$ 3,110.00
1405103A	Bedding Material (Sanitary Sewer)	CY	35	\$ 60.00	\$ 2,100.00	\$ 50.00	\$ 1,750.00	-16.67%	\$ 67.00	\$ 2,345.00	11.67%	\$ 34.70	\$ 1,214.50	-42.17%	\$ 43.25	\$ 41.50	\$ 35.25	\$ 53.00
1408455A	Temporary Sanitary Sewer Bypass	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 50,000.00	\$ 50,000.00	150.00%	\$ 122,000.00	\$ 122,000.00	510.00%	\$ 392,985.00	\$ 392,985.00	1864.93%	\$ 66,575.00	\$ 89,025.00	\$ 12,700.00	\$ 98,000.00
1507001A	Protection and Support of Existing Utilities (Sanitary Sewer)	LS	1	\$ 12,000.00	\$ 12,000.00	\$ 10,000.00	\$ 10,000.00	-16.67%	\$ 9,200.00	\$ 9,200.00	-23.33%	\$ 125,535.00	\$ 125,535.00	946.13%	\$ 18,741.67	\$ 15,600.00	\$ 15,000.00	\$ 25,625.00
1802210.07	Temporary Sand Barrell (700 LB.)	EA	4	\$ 385.00	\$ 1,540.00	\$ 350.00	\$ 1,400.00	-9.09%	\$ 446.00	\$ 1,784.00	15.84%	\$ 392.00	\$ 1,568.00	1.82%	\$ 411.67	\$ 460.00	\$ 300.00	\$ 475.00
1802210.14	Temporary Sand Barrell (1400 LB.)	EA	16	\$ 388.00	\$ 6,208.00	\$ 350.00	\$ 5,600.00	-9.79%	\$ 450.00	\$ 7,200.00	15.98%	\$ 392.00	\$ 6,272.00	1.03%	\$ 413.67	\$ 461.00	\$ 300.00	\$ 480.00
1302062A	Temporary Sand Barrell (2100 LB.)	EA.	8	\$ 393.00	\$ 3,144.00	\$ 350.00	\$ 2,800.00	-10.94%	\$ 450.00	\$ 3,600.00	14.50%	\$ 392.00	\$ 3,136.00	-0.25%	\$ 414.00	\$ 462.00	\$ 300.00	\$ 480.00
1803301	Temporary Impact Attenuation System (Tangential)	EA	2	\$ 4,300.00	\$ 8,600.00	\$ 4,400.00	\$ 8,800.00	2.33%	\$ 6,620.00	\$ 13,240.00	53.95%	\$ 5,750.00	\$ 11,500.00	33.72%	\$ 5,621.67	\$ 5,165.00	\$ 4,700.00	\$ 7,000.00
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<b>Total Base Contract:</b>					<b>\$ 11,656,000.00</b>		<b>\$ 14,175,107.33</b>	<b>21.61%</b>		<b>\$ 15,175,253.31</b>	<b>30.19%</b>		<b>\$ 17,793,384.93</b>	<b>52.65%</b>				
<b>Alternate No. 1 Bid</b>																		
0000302A	Custom Signage	EA	5	\$ 500.00	\$ 2,500.00	\$ 750.00	\$ 3,750.00	50.00%	\$ 575.00	\$ 2,875.00	15.00%	\$ 130.00	\$ 650.00	-74.00%				
0020763A	Disposal of Sediments	TON	2669	\$ 85.00	\$ 226,865.00	\$ 59.20	\$ 158,004.80	-30.35%	\$ 55.50	\$ 148,129.50	-34.71%	\$ 51.25	\$ 136,786.25	-39.71%				
0100600A	Construction Access	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 60,000.00	\$ 60,000.00	-60.00%	\$ 179,000.00	\$ 179,000.00	19.33%	\$ 465,000.00	\$ 465,000.00	210.00%				
0101000A	Environmental Health and Safety	LS	1	\$ 14,000.00	\$ 14,000.00	\$ 10,000.00	\$ 10,000.00	-28.57%	\$ 4,000.00	\$ 4,000.00	-71.43%	\$ 15,000.00	\$ 15,000.00	7.14%				
0101117A	Controlled Material Handling	CY	2372	\$ 25.00	\$ 59,300.00	\$ 13.00	\$ 30,836.00	-48.00%	\$ 10.00	\$ 23,720.00	-60.00%	\$ 4.25	\$ 10,081.00	-83.00%				
0101128A	Securing, Construction and Dismantling of a Waste Stockpile and Treatment Area	LS	1	\$ 45,000.00	\$ 45,000.00	\$ 121,600.00	\$ 121,600.00	170.22%	\$ 267,000.00	\$ 267,000.00	493.33%	\$ 90,000.00	\$ 90,000.00	100.00%				
0101130A	Environmental Work - Solidification	TON	758	\$ 70.00	\$ 53,060.00	\$ 40.00	\$ 30,320.00	-42.86%	\$ 5.00	\$ 3,790.00	-92.86%	\$ 17.40	\$ 13,189.20	-75.14%				
010116A	Treatment System Operation	DAY	40	\$ 640.00	\$ 25,600.00	\$ 600.00	\$ 24,000.00	-6.25%	\$ 205.00	\$ 8,200.00	-67.97%	\$ 716.00	\$ 28,640.00	11.88%				
0201001	Clearing and Grubbing (3% of Subtotal)	LS	1	\$ 61,050.00	\$ 61,050.00	\$ 75,000.00	\$ 75,000.00	22.85%	\$ 47,000.00	\$ 47,000.00	-23.01%	\$ 37,470.00	\$ 37,470.00	-38.62%				
0201012	Removal of Trees	EA	3	\$ 1,000.00	\$ 3,000.00	\$ 2,500.00	\$ 7,500.00	150.00%	\$ 1,320.00	\$ 3,960.00	32.00%	\$ 1,350.00	\$ 4,050.00	35.00%				
0201013	Removal of Existing Fence	LF	544	\$ 5.00	\$ 2,720.00	\$ 4.50	\$ 2,448.00	-10.00%	\$ 8.50	\$ 4,624.00	70.00%	\$ 6.75	\$ 3,672.00	35.00%				
0202000	Earth Excavation	CY	14840	\$ 20.00	\$ 296,800.00	\$ 16.00	\$ 237,440.00	-20.00%	\$ 34.00	\$ 504,560.00	70.00%	\$ 38.65	\$ 573,566.00	93.25%				
0202100	Rock Excavation	CY	1484	\$ 40.00	\$ 59,360.00	\$ 125.00	\$ 185,500.00	212.50%	\$ 75.00	\$ 111,300.00	87.50%	\$ 72.30	\$ 107,293.20	80.75%				
0202120	Rock Excavation (No Explosives)	CY	5	\$ 100.00	\$ 500.00	\$ 500.00	\$ 2,500.00	400.00%	\$ 350.00	\$ 1,750.00	250.00%	\$ 217.00	\$ 1,085.00	117.00%				
0202200	Channel Excavation - Earth	CY	2622	\$ 30.00	\$ 78,660.00	\$ 35.00	\$ 91,770.00	16.67%	\$ 48.00	\$ 125,856.00	60.00%	\$ 48.10	\$ 126,118.20	60.33%				
0202250	Channel Excavation - Rock	CY	243	\$ 80.00	\$ 19,440.00	\$ 165.00	\$ 40,095.00	106.25%	\$ 90.00	\$ 21,870.00	12.50%	\$ 108.50	\$ 26,365.50	35.63%				
0202315A	Disposal of Controlled Materials	TON	3	\$ 65.00	\$ 195.00	\$ 57.20	\$ 171.60	-12.00%	\$ 70.00	\$ 210.00	7.69%	\$ 143.50	\$ 430.50	120.77%				

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
0202318A	Management of Reusable Controlled Materials	CY	250	\$ 20.00	\$ 5,000.00	\$ 34.00	\$ 8,500.00	70.00%	\$ 30.00	\$ 7,500.00		\$ 21.00	\$ 5,250.00	5.00%	\$ 14.00	\$ 3,500.00	-30.00%
0202322A	Disposal of Sediments - High PAH's	TON	1882	\$ 95.00	\$ 178,790.00	\$ 71.00	\$ 133,622.00	-25.26%	\$ 65.00	\$ 122,330.00		\$ 81.00	\$ 152,442.00	-14.74%	\$ 66.00	\$ 124,212.00	-30.53%
0202529	Cuf Bituminous Concrete Pavement	LF	1118	\$ 3.00	\$ 3,354.00	\$ 3.50	\$ 3,913.00	16.67%	\$ 3.00	\$ 3,354.00		\$ 2.00	\$ 2,236.00	-33.33%	\$ 8.00	\$ 8,944.00	166.67%
0204213A	Handling of Contaminated Groundwater (Estimated Cost)	EST	1	\$ 59,500.00	\$ 59,500.00	\$ 59,500.00	\$ 59,500.00	0.00%	\$ 59,500.00	\$ 59,500.00		\$ 59,500.00	\$ 59,500.00	0.00%	\$ 59,500.00	\$ 59,500.00	0.00%
0204401A	Handling Water (Site No. 4)	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 37,000.00	\$ 37,000.00	-75.33%	\$ 42,000.00	\$ 42,000.00		\$ 85,000.00	\$ 85,000.00	-43.33%	\$ 150,000.00	\$ 150,000.00	0.00%
0209001	Formation of Subgrade	SY	1479	\$ 3.00	\$ 4,437.00	\$ 2.75	\$ 4,067.25	-8.33%	\$ 2.15	\$ 3,179.85		\$ 3.00	\$ 4,437.00	0.00%	\$ 5.00	\$ 7,395.00	66.67%
0210303A	Turbidity Control Curtains	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 3,715.00	\$ 3,715.00	-75.23%	\$ 2,600.00	\$ 2,600.00		\$ 5,000.00	\$ 5,000.00	-66.67%	\$ 1,500.00	\$ 1,500.00	-90.00%
0210820	Water Pollution Control (Estimated Cost)	EST	1	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	0.00%	\$ 15,000.00	\$ 15,000.00		\$ 15,000.00	\$ 15,000.00	0.00%	\$ 15,000.00	\$ 15,000.00	0.00%
0211000	Anti-Tracking Pad	SY	239	\$ 33.00	\$ 7,887.00	\$ 12.50	\$ 2,987.50	-62.12%	\$ 22.00	\$ 5,258.00		\$ 31.00	\$ 7,409.00	-6.06%	\$ 25.00	\$ 5,975.00	-24.24%
0212000	Subbase	CY	18	\$ 42.00	\$ 756.00	\$ 60.50	\$ 1,089.00	44.05%	\$ 63.00	\$ 1,134.00		\$ 50.00	\$ 900.00	19.05%	\$ 50.00	\$ 900.00	19.05%
0213100	Granular Fill	CY	13	\$ 60.00	\$ 780.00	\$ 103.00	\$ 1,339.00	71.67%	\$ 65.00	\$ 845.00		\$ 35.00	\$ 455.00	-41.67%	\$ 50.00	\$ 650.00	-16.67%
0219001	Sedimentation Control System	LF	277	\$ 6.00	\$ 1,662.00	\$ 3.70	\$ 1,024.90	-38.33%	\$ 10.00	\$ 2,770.00		\$ 15.00	\$ 4,155.00	150.00%	\$ 60.00	\$ 16,620.00	900.00%
0219011A	Sediment Control System at Catch Basin	EA	8	\$ 130.00	\$ 1,040.00	\$ 141.00	\$ 1,128.00	8.46%	\$ 164.00	\$ 1,312.00		\$ 130.00	\$ 1,040.00	0.00%	\$ 150.00	\$ 1,200.00	15.38%
0286001.1	Rock in Drainage Trench Excavation 0'-10' Deep	CY	50	\$ 100.00	\$ 5,000.00	\$ 177.50	\$ 8,875.00	77.50%	\$ 122.00	\$ 6,100.00		\$ 150.00	\$ 7,500.00	50.00%	\$ 10.00	\$ 500.00	-90.00%
0304002	Processed Aggregate Base	CY	302	\$ 50.00	\$ 15,100.00	\$ 75.00	\$ 22,650.00	50.00%	\$ 240.00	\$ 72,480.00		\$ 42.00	\$ 12,684.00	-16.00%	\$ 50.00	\$ 15,100.00	0.00%
0406171	HMA S0.5	TON	331	\$ 120.00	\$ 39,720.00	\$ 147.00	\$ 48,657.00	22.50%	\$ 154.00	\$ 50,974.00		\$ 120.00	\$ 39,720.00	0.00%	\$ 169.00	\$ 55,939.00	40.83%
0406172	HMA S0.375	TON	10	\$ 140.00	\$ 1,400.00	\$ 212.00	\$ 2,120.00	51.43%	\$ 300.00	\$ 3,000.00		\$ 120.00	\$ 1,200.00	-14.29%	\$ 250.00	\$ 2,500.00	78.57%
0406236	Material for Tack Coat	GAL	149	\$ 5.00	\$ 745.00	\$ 24.00	\$ 3,576.00	380.00%	\$ 10.00	\$ 1,490.00		\$ 10.00	\$ 1,490.00	100.00%	\$ 10.00	\$ 1,490.00	100.00%
0586001.10	Type 'C' Catch Basin - 0'-10' Deep	EA	2	\$ 3,500.00	\$ 7,000.00	\$ 2,850.00	\$ 5,700.00	-18.57%	\$ 4,200.00	\$ 8,400.00		\$ 4,500.00	\$ 9,000.00	28.57%	\$ 5,000.00	\$ 10,000.00	42.86%
0586002.10	Type 'C' Catch Basin (4" Sump) - 0'-10' Deep	EA	2	\$ 4,565.00	\$ 9,130.00	\$ 3,300.00	\$ 6,600.00	-27.71%	\$ 6,000.00	\$ 12,000.00		\$ 5,000.00	\$ 10,000.00	9.53%	\$ 5,600.00	\$ 11,200.00	22.67%
0586500.10	Manhole - 0'-10' Deep	EA	1	\$ 3,300.00	\$ 3,300.00	\$ 3,250.00	\$ 3,250.00	-1.52%	\$ 5,670.00	\$ 5,670.00		\$ 5,000.00	\$ 5,000.00	51.52%	\$ 5,600.00	\$ 5,600.00	69.70%
0601654A	Retaining Wall (Site No. 4)	LS	1	\$ 35,000.00	\$ 35,000.00	\$ 50,770.00	\$ 50,770.00	45.06%	\$ 18,000.00	\$ 18,000.00		\$ 65,000.00	\$ 65,000.00	85.71%	\$ 160,000.00	\$ 160,000.00	357.14%
0601655A	Retaining Wall (Site No. 5)	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 7,325.00	\$ 7,325.00	-70.70%	\$ 10,500.00	\$ 10,500.00		\$ 65,000.00	\$ 65,000.00	160.00%	\$ 10,000.00	\$ 10,000.00	-60.00%
0686000.12	12" R.C. Pipe - 0'-10' Deep	LF	524	\$ 60.00	\$ 31,440.00	\$ 99.00	\$ 51,876.00	65.00%	\$ 75.00	\$ 39,300.00		\$ 52.00	\$ 27,248.00	-13.33%	\$ 72.00	\$ 37,728.00	20.00%
0686000.15	15" R.C. Pipe - 0'-10' Deep	LF	64	\$ 60.00	\$ 3,840.00	\$ 96.00	\$ 6,144.00	60.00%	\$ 90.00	\$ 5,760.00		\$ 56.00	\$ 3,584.00	-6.67%	\$ 85.00	\$ 5,440.00	41.67%
0686700.15	15" Reinforced Concrete Drainage Pipe End	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 1,065.00	\$ 1,065.00	-29.00%	\$ 900.00	\$ 900.00		\$ 1,075.00	\$ 1,075.00	-28.33%	\$ 1,500.00	\$ 1,500.00	0.00%
0686950.10	Remove Existing Pipe - 0'-10' Deep	LF	43	\$ 30.00	\$ 1,290.00	\$ 32.25	\$ 1,386.75	7.50%	\$ 36.50	\$ 1,569.50		\$ 46.00	\$ 1,978.00	53.33%	\$ 35.00	\$ 1,505.00	16.67%
0702011	Intermediate Riprap	CY	39	\$ 85.00	\$ 3,315.00	\$ 91.50	\$ 3,568.50	7.65%	\$ 125.00	\$ 4,875.00		\$ 67.00	\$ 2,613.00	-21.18%	\$ 94.00	\$ 3,666.00	10.59%
0703034A	Wing Deflector	EA	9	\$ 1,000.00	\$ 9,000.00	\$ 1,210.00	\$ 10,890.00	21.00%	\$ 1,550.00	\$ 13,950.00		\$ 860.00	\$ 7,740.00	-14.00%	\$ 4,000.00	\$ 36,000.00	300.00%
0703041A	Stone/Boulder Revetment	LF	1688	\$ 70.00	\$ 118,160.00	\$ 101.50	\$ 171,332.00	45.00%	\$ 22.50	\$ 37,980.00		\$ 135.00	\$ 227,880.00	92.86%	\$ 60.00	\$ 101,280.00	-14.29%
0708001	Dampproofing	SY	610	\$ 17.00	\$ 10,370.00	\$ 30.75	\$ 18,757.50	80.88%	\$ 13.00	\$ 7,930.00		\$ 16.00	\$ 9,760.00	-5.88%	\$ 19.00	\$ 11,590.00	11.76%
0728034A	Screenings	CF	891	\$ 8.00	\$ 7,128.00	\$ 6.00	\$ 5,346.00	-25.00%	\$ 3.75	\$ 3,341.25		\$ 2.25	\$ 2,004.75	-71.88%	\$ 19.00	\$ 16,929.00	137.50%
0755014	Geotextile (Separation - High Survivalibility)	SY	77	\$ 5.00	\$ 385.00	\$ 2.85	\$ 219.45	-43.00%	\$ 2.50	\$ 192.50		\$ 2.00	\$ 154.00	-60.00%	\$ 5.00	\$ 385.00	0.00%
0811001	Concrete Curbing	LF	1006	\$ 35.00	\$ 35,210.00	\$ 33.50	\$ 33,701.00	-4.29%	\$ 30.50	\$ 30,683.00		\$ 35.00	\$ 35,210.00	0.00%	\$ 34.00	\$ 34,204.00	-2.86%
0901006A	Removable Bollard	EA	3	\$ 500.00	\$ 1,500.00	\$ 1,660.00	\$ 4,980.00	232.00%	\$ 3,500.00	\$ 10,500.00		\$ 2,500.00	\$ 7,500.00	400.00%	\$ 2,700.00	\$ 8,100.00	440.00%
0906202	Wood Rail Fence	LF	976	\$ 30.00	\$ 29,280.00	\$ 59.00	\$ 57,584.00	96.67%	\$ 60.00	\$ 58,560.00		\$ 26.00	\$ 25,376.00	-13.33%	\$ 95.00	\$ 92,720.00	216.67%
0912503	Remove Metal Beam Rail	LF	500	\$ 5.00	\$ 2,500.00	\$ 6.00	\$ 3,000.00	20.00%	\$ 6.00	\$ 3,000.00		\$ 5.00	\$ 2,500.00	0.00%	\$ 10.00	\$ 5,000.00	100.00%
0921001	Concrete Sidewalk	SF	484	\$ 10.00	\$ 4,840.00	\$ 11.25	\$ 5,445.00	12.50%	\$ 13.50	\$ 6,534.00		\$ 15.00	\$ 7,260.00	50.00%	\$ 12.00	\$ 5,808.00	20.00%
0921005	Concrete Sidewalk Ramp	SF	88	\$ 15.00	\$ 1,320.00	\$ 14.50	\$ 1,276.00	-3.33%	\$ 17.00	\$ 1,496.00		\$ 45.00	\$ 3,960.00	200.00%	\$ 18.00	\$ 1,584.00	20.00%
0921039	Detectable Warning Strip	EA	4	\$ 240.00	\$ 960.00	\$ 71.50	\$ 286.00	-70.21%	\$ 220.00	\$ 880.00	-8.33%	\$ 200.00	\$ 800.00	-16.67%	\$ 400.00	\$ 1,600.00	66.67%
0921041	Gateway Column	EA	1	\$ 40,000.00	\$ 40,000.00	\$ 29,810.00	\$ 29,810.00	-25.48%	\$ 28,300.00	\$ 28,300.00		\$ 25,000.00	\$ 25,000.00	-37.50%	\$ 16,000.00	\$ 16,000.00	-60.00%
0943001	Water For Dust Control	MGAL	17	\$ 30.00	\$ 510.00	\$ 73.50	\$ 1,249.50	145.00%	\$ 35.00	\$ 595.00		\$ 3.50	\$ 59.50	-88.33%	\$ 1.00	\$ 17.00	-96.67%
0943002	Sweeping for Dust Control	HR	2	\$ 75.00	\$ 150.00	\$ 138.00	\$ 276.00	84.00%	\$ 150.00	\$ 300.00		\$ 180.00	\$ 360.00	140.00%	\$ 120.00	\$ 240.00	60.00%
0944000	Furnishing and Placing Topsoil	SY	5074	\$ 2.00	\$ 10,148.00	\$ 5.00	\$ 25,370.00	150.00%	\$ 3.25	\$ 16,490.50		\$ 7.00	\$ 35,518.00	250.00%	\$ 10.00	\$ 50,740.00	400.00%
0944001A	Furnishing and Placing Super Enriched Topsoil	SY	60	\$ 3.00	\$ 180.00	\$ 38.00	\$ 2,280.00	1166.67%	\$ 10.50	\$ 630.00		\$ 10.00	\$ 600.00	233.33%	\$ 11.00	\$ 660.00	266.67%
0945005A	Wildflower Establishment	LB	21	\$ 232.00	\$ 4,872.00	\$ 477.00	\$ 10,017.00	105.60%	\$ 550.00	\$ 11,550.00		\$ 485.00	\$ 10,185.00	109.05%	\$ 472.50	\$ 9,922.50	103.66%
0949000	Wood Chip Mulch	SY	184	\$ 12.00	\$ 2,208.00	\$ 9.00	\$ 1,656.00	-25.00%	\$ 9.00	\$ 1,656.00		\$ 8.50	\$ 1,564.00	-29.17%	\$ 8.40	\$ 1,545.60	-30.00%
0949022	Salix Discolor Pussy Willow 24"-36" HT. B.B.	EA	16	\$ 30.00	\$ 480.00	\$ 56.50	\$ 904.00	88.33%	\$ 100.00	\$ 1,600.00		\$ 97.00	\$ 1,552.00	223.33%	\$ 94.50	\$ 1,512.00	215.00%
0949039	River Birch 6'-7' Height	EA	9	\$ 200.00	\$ 1,800.00	\$ 313.00	\$ 2,817.00	56.50%	\$ 400.00	\$ 3,600.00		\$ 350.00	\$ 3,150.00	75.00%	\$ 344.40	\$ 3,099.60	72.20%
0949055	Aronia Arbutifolia Red Chokeberry 18"-24" HT. B.B.	EA	17	\$ 35.00	\$ 595.00	\$ 53.50	\$ 909.50	52.86%	\$ 70.00	\$ 1,190.00		\$ 65.00	\$ 1,105.00	85.71%	\$ 67.20	\$ 1,142.40	92.00%

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
0202318A	Management of Reusable Controlled Materials	CY	250	\$ 20.00	\$ 5,000.00	\$ 60.00	\$ 15,000.00	200.00%	\$ 14.00	\$ 3,500.00	-30.00%	\$ 41.40	\$ 10,350.00	107.00%				
0202322A	Disposal of Sediments - High PAH's	TON	1882	\$ 95.00	\$ 178,790.00	\$ 64.20	\$ 120,824.40	-32.42%	\$ 55.50	\$ 104,451.00	-41.58%	\$ 56.50	\$ 106,333.00	-40.53%				
0202529	Cuf Bituminous Concrete Pavement	LF	1118	\$ 3.00	\$ 3,354.00	\$ 3.00	\$ 3,354.00	0.00%	\$ 4.50	\$ 5,031.00	50.00%	\$ 1.65	\$ 1,844.70	-45.00%				
0204213A	Handling of Contaminated Groundwater (Estimated Cost)	EST	1	\$ 59,500.00	\$ 59,500.00	\$ 59,500.00	\$ 59,500.00	0.00%	\$ 59,500.00	\$ 59,500.00	0.00%	\$ 59,500.00	\$ 59,500.00	0.00%				
0204401A	Handling Water (Site No. 4)	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 204,700.00	\$ 204,700.00	36.47%	\$ 175,000.00	\$ 175,000.00	16.67%	\$ 632,000.00	\$ 632,000.00	321.33%				
0209001	Formation of Subgrade	SY	1479	\$ 3.00	\$ 4,437.00	\$ 16.00	\$ 23,664.00	433.33%	\$ 2.60	\$ 3,845.40	-13.33%	\$ 6.50	\$ 9,613.50	116.67%				
0210303A	Turbidity Control Curtains	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	-66.67%	\$ 6,400.00	\$ 6,400.00	-57.33%	\$ 5,200.00	\$ 5,200.00	-65.33%				
0210820	Water Pollution Control (Estimated Cost)	EST	1	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	0.00%	\$ 15,000.00	\$ 15,000.00	0.00%	\$ 15,000.00	\$ 15,000.00	0.00%				
0211000	Anti-Tracking Pad	SY	239	\$ 33.00	\$ 7,887.00	\$ 30.00	\$ 7,170.00	-9.09%	\$ 10.00	\$ 2,390.00	-69.70%	\$ 16.00	\$ 3,824.00	-51.52%				
0212000	Subbase	CY	18	\$ 42.00	\$ 756.00	\$ 69.00	\$ 1,242.00	64.29%	\$ 49.00	\$ 882.00	16.67%	\$ 160.00	\$ 2,880.00	280.95%				
0213100	Granular Fill	CY	13	\$ 60.00	\$ 780.00	\$ 102.00	\$ 1,326.00	70.00%	\$ 62.00	\$ 806.00	3.33%	\$ 86.00	\$ 1,118.00	43.33%				
0219001	Sedimentation Control System	LF	277	\$ 6.00	\$ 1,662.00	\$ 6.50	\$ 1,800.50	8.33%	\$ 7.50	\$ 2,077.50	25.00%	\$ 4.05	\$ 1,121.85	-32.50%				
0219011A	Sediment Control System at Catch Basin	EA	8	\$ 130.00	\$ 1,040.00	\$ 150.00	\$ 1,200.00	15.38%	\$ 330.00	\$ 2,640.00	153.85%	\$ 113.00	\$ 904.00	-13.08%				
0286001.1	Rock in Drainage Trench Excavation 0'-10' Deep	CY	50	\$ 100.00	\$ 5,000.00	\$ 300.00	\$ 15,000.00	200.00%	\$ 175.00	\$ 8,750.00	75.00%	\$ 180.00	\$ 9,000.00	80.00%				
0304002	Processed Aggregate Base	CY	302	\$ 50.00	\$ 15,100.00	\$ 70.00	\$ 21,140.00	40.00%	\$ 50.00	\$ 15,100.00	0.00%	\$ 51.20	\$ 15,462.40	2.40%				
0406171	HMA S0.5	TON	331	\$ 120.00	\$ 39,720.00	\$ 150.00	\$ 49,650.00	25.00%	\$ 218.00	\$ 72,158.00	81.67%	\$ 155.00	\$ 51,305.00	29.17%				
0406172	HMA S0.375	TON	10	\$ 140.00	\$ 1,400.00	\$ 286.00	\$ 2,860.00	104.29%	\$ 240.00	\$ 2,400.00	71.43%	\$ 300.00	\$ 3,000.00	114.29%				
0406236	Material for Tack Coat	GAL	149	\$ 5.00	\$ 745.00	\$ 13.50	\$ 2,011.50	170.00%	\$ 10.50	\$ 1,564.50	110.00%	\$ 14.00	\$ 2,086.00	180.00%				
0586001.10	Type 'C' Catch Basin - 0'-10' Deep	EA	2	\$ 3,500.00	\$ 7,000.00	\$ 5,000.00	\$ 10,000.00	42.86%	\$ 3,200.00	\$ 6,400.00	-8.57%	\$ 4,500.00	\$ 9,000.00	28.57%				
0586002.10	Type 'C' Catch Basin (4" Sump) - 0'-10' Deep	EA	2	\$ 4,565.00	\$ 9,130.00	\$ 5,300.00	\$ 10,600.00	16.10%	\$ 4,100.00	\$ 8,200.00	-10.19%	\$ 5,500.00	\$ 11,000.00	20.48%				
0586500.10	Manhole - 0'-10' Deep	EA	1	\$ 3,300.00	\$ 3,300.00	\$ 5,400.00	\$ 5,400.00	63.64%	\$ 2,650.00	\$ 2,650.00	-19.70%	\$ 4,500.00	\$ 4,500.00	36.36%				
0601654A	Retaining Wall (Site No. 4)	LS	1	\$ 35,000.00	\$ 35,000.00	\$ 22,740.00	\$ 22,740.00	-35.03%	\$ 164,900.00	\$ 164,900.00	371.14%	\$ 34,970.00	\$ 34,970.00	-0.09%				
0601655A	Retaining Wall (Site No. 5)	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00	-60.00%	\$ 15,000.00	\$ 15,000.00	-40.00%	\$ 8,203.00	\$ 8,203.00	-67.19%				
0686000.12	12" R.C. Pipe - 0'-10' Deep	LF	524	\$ 60.00	\$ 31,440.00	\$ 70.00	\$ 36,680.00	16.67%	\$ 36.00	\$ 18,864.00	-40.00%	\$ 105.00	\$ 55,020.00	75.00%				
0686000.15	15" R.C. Pipe - 0'-10' Deep	LF	64	\$ 60.00	\$ 3,840.00	\$ 86.00	\$ 5,504.00	43.33%	\$ 46.00	\$ 2,944.00	-23.33%	\$ 115.00	\$ 7,360.00	91.67%				
0686700.15	15" Reinforced Concrete Drainage Pipe End	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00	-33.33%	\$ 775.00	\$ 775.00	-48.33%	\$ 1,800.00	\$ 1,800.00	20.00%				
0686950.10	Remove Existing Pipe - 0'-10' Deep	LF	43	\$ 30.00	\$ 1,290.00	\$ 50.00	\$ 2,150.00	66.67%	\$ 21.00	\$ 903.00	-30.00%	\$ 63.10	\$ 2,713.30	110.33%				
0702011	Intermediate Riprap	CY	39	\$ 85.00	\$ 3,315.00	\$ 88.50	\$ 3,451.50	4.12%	\$ 108.00	\$ 4,212.00	27.06%	\$ 109.00	\$ 4,251.00	28.24%				
0703034A	Wing Deflector	EA	9	\$ 1,000.00	\$ 9,000.00	\$ 5,000.00	\$ 45,000.00	400.00%	\$ 3,500.00	\$ 31,500.00	250.00%	\$ 2,210.00	\$ 19,890.00	121.00%				
0703041A	Stone/Boulder Revetment	LF	1688	\$ 70.00	\$ 118,160.00	\$ 225.00	\$ 379,800.00	221.43%	\$ 90.00	\$ 151,920.00	28.57%	\$ 36.00	\$ 60,768.00	-48.57%				
0708001	Dampproofing	SY	610	\$ 17.00	\$ 10,370.00	\$ 18.00	\$ 10,980.00	5.88%	\$ 29.00	\$ 17,690.00	70.59%	\$ 17.00	\$ 10,370.00	0.00%				
0728034A	Screenings	CF	891	\$ 8.00	\$ 7,128.00	\$ 6.00	\$ 5,346.00	-25.00%	\$ 2.55	\$ 2,272.05	-68.13%	\$ 5.25	\$ 4,677.75	-34.38%				
0755014	Geotextile (Separation - High Survivalibility)	SY	77	\$ 5.00	\$ 385.00	\$ 3.00	\$ 231.00	-40.00%	\$ 10.00	\$ 770.00	100.00%	\$ 3.35	\$ 257.95	-33.00%				
0811001	Concrete Curbing	LF	1006	\$ 35.00	\$ 35,210.00	\$ 39.00	\$ 39,234.00	11.43%	\$ 33.50	\$ 33,701.00	-4.29%	\$ 47.60	\$ 47,885.60	36.00%				
0901006A	Removable Bollard	EA	3	\$ 500.00	\$ 1,500.00	\$ 2,700.00	\$ 8,100.00	440.00%	\$ 2,875.00	\$ 8,625.00	475.00%	\$ 2,500.00	\$ 7,500.00	400.00%				
0906202	Wood Rail Fence	LF	976	\$ 30.00	\$ 29,280.00	\$ 49.39	\$ 48,204.64	64.63%	\$ 110.00	\$ 107,360.00	266.67%	\$ 95.00	\$ 92,720.00	216.67%				
0912503	Remove Metal Beam Rail	LF	500	\$ 5.00	\$ 2,500.00	\$ 8.00	\$ 4,000.00	60.00%	\$ 10.00	\$ 5,000.00	100.00%	\$ 8.00	\$ 4,000.00	60.00%				
0921001	Concrete Sidewalk	SF	484	\$ 10.00	\$ 4,840.00	\$ 16.00	\$ 7,744.00	60.00%	\$ 9.00	\$ 4,356.00	-10.00%	\$ 20.60	\$ 9,970.40	106.00%				
0921005	Concrete Sidewalk Ramp	SF	88	\$ 15.00	\$ 1,320.00	\$ 30.00	\$ 2,640.00	100.00%	\$ 16.00	\$ 1,408.00	6.67%	\$ 30.00	\$ 2,640.00	100.00%				
0921039	Detectable Warning Strip	EA	4	\$ 240.00	\$ 960.00	\$ 250.00	\$ 1,000.00	4.17%	\$ 551.00	\$ 2,204.00	129.58%	\$ 299.50	\$ 1,198.00	24.79%				
0921041	Gateway Column	EA	1	\$ 40,000.00	\$ 40,000.00	\$ 16,000.00	\$ 16,000.00	-60.00%	\$ 6,200.00	\$ 6,200.00	-84.50%	\$ 15,000.00	\$ 15,000.00	-62.50%				
0943001	Water For Dust Control	MGAL	17	\$ 30.00	\$ 510.00	\$ 10.00	\$ 170.00	-66.67%	\$ 29.00	\$ 493.00	-3.33%	\$ 96.10	\$ 1,633.70	220.33%				
0943002	Sweeping for Dust Control	HR	2	\$ 75.00	\$ 150.00	\$ 100.00	\$ 200.00	33.33%	\$ 102.00	\$ 204.00	36.00%	\$ 108.00	\$ 216.00	44.00%				
0944000	Furnishing and Placing Topsoil	SY	5074	\$ 2.00	\$ 10,148.00	\$ 9.00	\$ 45,666.00	350.00%	\$ 9.00	\$ 45,666.00	350.00%	\$ 5.35	\$ 27,145.90	167.50%				
0944001A	Furnishing and Placing Super Enriched Topsoil	SY	60	\$ 3.00	\$ 180.00	\$ 17.50	\$ 1,050.00	483.33%	\$ 14.40	\$ 864.00	380.00%	\$ 9.55	\$ 573.00	218.33%				
0945005A	Wildflower Establishment	LB	21	\$ 232.00	\$ 4,872.00	\$ 4.26	\$ 89.46	-98.16%	\$ 660.00	\$ 13,860.00	184.48%	\$ 4.30	\$ 90.30	-98.15%				
0949000	Wood Chip Mulch	SY	184	\$ 12.00	\$ 2,208.00	\$ 12.00	\$ 2,208.00	0.00%	\$ 18.00	\$ 3,312.00	50.00%	\$ 12.00	\$ 2,208.00	0.00%				
0949022	Salix Discolor Pussy Willow 24"-36" HT. B.B.	EA	16	\$ 30.00	\$ 480.00	\$ 60.00	\$ 960.00	100.00%	\$ 70.00	\$ 1,120.00	133.33%	\$ 60.00	\$ 960.00	100.00%				
0949039	River Birch 6'-7' Height	EA	9	\$ 200.00	\$ 1,800.00	\$ 390.00	\$ 3,510.00	95.00%	\$ 600.00	\$ 5,400.00	200.00%	\$ 390.00	\$ 3,510.00	95.00%				
0949055	Aronia Arbutifolia Red Chokeberry 18"-24" HT. B.B.	EA	17	\$ 35.00	\$ 595.00	\$ 76.00	\$ 1,292.00	117.14%	\$ 74.00	\$ 1,258.00	111.43%	\$ 76.00	\$ 1,292.00	117.14%				

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Richards Corporation (Lowest Bid)			Loureiro Contractors (2nd Lowest Bid)			Guerrera Construction Co. (3rd Lowest Bid)			C.J. Fucci, Inc.		
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.
0949086	Clethra Alnifolia, Sweet Pepperbush, 18"-24" Ht.	EA	4	\$ 40.00	\$ 160.00	\$ 65.50	\$ 262.00	63.75%	\$ 65.00	\$ 260.00		\$ 65.00	\$ 260.00	62.50%	\$ 63.00	\$ 252.00	57.50%
0949090	Quercus Bicolor, Swamp White Oak, 3.5" - 4" CAL. B.B.	EA	3	\$ 500.00	\$ 1,500.00	\$ 1,860.00	\$ 5,580.00	272.00%	\$ 1,230.00	\$ 3,690.00		\$ 1,230.00	\$ 3,690.00	146.00%	\$ 1,300.00	\$ 3,900.00	160.00%
0949101	Cornus Amomum Silky Dogwood 3'-4" HT. B.R.	EA	4	\$ 40.00	\$ 160.00	\$ 81.00	\$ 324.00	102.50%	\$ 8.00	\$ 32.00		\$ 22.00	\$ 88.00	-45.00%	\$ 24.00	\$ 96.00	-40.00%
0949129	Cephalanthus Occidentalis, Buttonbush 1 Gallon Container	EA	17	\$ 25.00	\$ 425.00	\$ 44.50	\$ 756.50	78.00%	\$ 42.00	\$ 714.00		\$ 38.00	\$ 646.00	52.00%	\$ 40.00	\$ 680.00	60.00%
0949133	Vaccinium Corymbosum, Highbush Blueberry 18"-24" HT.	EA	16	\$ 40.00	\$ 640.00	\$ 58.00	\$ 928.00	45.00%	\$ 70.00	\$ 1,120.00		\$ 67.00	\$ 1,072.00	67.50%	\$ 68.00	\$ 1,088.00	70.00%
0949208	Silver Maple 2"-2.5" CONT	EA	3	\$ 150.00	\$ 450.00	\$ 565.00	\$ 1,695.00	276.67%	\$ 2,750.00	\$ 8,250.00		\$ 750.00	\$ 2,250.00	400.00%	\$ 776.00	\$ 2,328.00	417.33%
0949292	Alnus Incana, Speckled Alder 18"-24" HT. B.B	EA	15	\$ 30.00	\$ 450.00	\$ 60.00	\$ 900.00	100.00%	\$ 65.00	\$ 975.00		\$ 63.00	\$ 945.00	110.00%	\$ 63.00	\$ 945.00	110.00%
0949531	Viburnum Recognatum, Northern Arrowwood 18"-24" HT. B.B.	EA	26	\$ 40.00	\$ 1,040.00	\$ 56.50	\$ 1,469.00	41.25%	\$ 60.00	\$ 1,560.00		\$ 58.00	\$ 1,508.00	45.00%	\$ 58.00	\$ 1,508.00	45.00%
0949544	Weeping Willow 6'-8' Height	EA	9	\$ 200.00	\$ 1,800.00	\$ 491.50	\$ 4,423.50	145.75%	\$ 475.00	\$ 4,275.00		\$ 450.00	\$ 4,050.00	125.00%	\$ 460.00	\$ 4,140.00	130.00%
0949589	American Cranberrybush 18"-24"	EA	9	\$ 65.00	\$ 585.00	\$ 44.50	\$ 400.50	-31.54%	\$ 75.00	\$ 675.00		\$ 70.00	\$ 630.00	7.69%	\$ 72.00	\$ 648.00	10.77%
0949834	Acer Rubrum Red Maple 3"-4" CAL. B.B.	EA	14	\$ 500.00	\$ 7,000.00	\$ 580.00	\$ 8,120.00	16.00%	\$ 575.00	\$ 8,050.00		\$ 950.00	\$ 13,300.00	90.00%	\$ 933.00	\$ 13,062.00	86.60%
0949915	Rhododendron Viscosum, Swamp Azalea 24"-36" HT. B.B.	EA	20	\$ 110.00	\$ 2,200.00	\$ 143.00	\$ 2,860.00	30.00%	\$ 55.00	\$ 1,100.00		\$ 55.00	\$ 1,100.00	-50.00%	\$ 54.00	\$ 1,080.00	-50.91%
0949932	Green Ash 2.5"-3" CAL.	EA	2	\$ 200.00	\$ 400.00	\$ 1,115.00	\$ 2,230.00	457.50%	\$ 1,000.00	\$ 2,000.00		\$ 900.00	\$ 1,800.00	350.00%	\$ 920.00	\$ 1,840.00	360.00%
0950005	Turf Establishment	SY	5074	\$ 2.00	\$ 10,148.00	\$ 1.50	\$ 7,611.00	-25.00%	\$ 2.50	\$ 12,685.00		\$ 1.70	\$ 8,625.80	-15.00%	\$ 2.14	\$ 10,858.36	7.00%
0950043A	Wetland Grass Establishment	SF	539	\$ 0.40	\$ 215.60	\$ 0.40	\$ 215.60	0.00%	\$ 0.25	\$ 134.75		\$ 0.20	\$ 107.80	-50.00%	\$ 0.21	\$ 113.19	-47.50%
0952051A	Control and Removal of Invasive Vegetation	SY	4507	\$ 5.00	\$ 22,535.00	\$ 8.50	\$ 38,309.50	70.00%	\$ 4.00	\$ 18,028.00		\$ 3.50	\$ 15,774.50	-30.00%	\$ 3.68	\$ 16,585.76	-26.40%
0971001A	Maintenance and Protection of Traffic (1% of Subtotal)	LS	1	\$ 20,440.00	\$ 20,440.00	\$ 5,150.00	\$ 5,150.00	-74.80%	\$ 2,000.00	\$ 2,000.00		\$ 50,000.00	\$ 50,000.00	144.62%	\$ 250,000.00	\$ 250,000.00	1123.09%
0980001	Construction Staking (2% of Subtotal)	LS	1	\$ 40,880.00	\$ 40,880.00	\$ 9,255.00	\$ 9,255.00	-77.36%	\$ 30,000.00	\$ 30,000.00		\$ 40,000.00	\$ 40,000.00	-2.15%	\$ 20,000.00	\$ 20,000.00	-51.08%
0992087A	Kiosk	EA	2	\$ 12,000.00	\$ 24,000.00	\$ 10,765.00	\$ 21,530.00	-10.29%	\$ 17,500.00	\$ 35,000.00		\$ 8,000.00	\$ 16,000.00	-33.33%	\$ 9,500.00	\$ 19,000.00	-20.83%
0992090A	Bench	EA	2	\$ 3,500.00	\$ 7,000.00	\$ 3,370.00	\$ 6,740.00	-3.71%	\$ 3,500.00	\$ 7,000.00		\$ 2,500.00	\$ 5,000.00	-28.57%	\$ 1,800.00	\$ 3,600.00	-48.57%
1004296A	Solar Powered Emergency Call Box	EA	3	\$ 5,000.00	\$ 15,000.00	\$ 15,365.00	\$ 46,095.00	207.30%	\$ 12,500.00	\$ 37,500.00		\$ 12,500.00	\$ 37,500.00	150.00%	\$ 15,000.00	\$ 45,000.00	200.00%
1208932	Sign Face - Sheet Aluminum (Type IV Reflective Sheeting)	SF	150	\$ 40.00	\$ 6,000.00	\$ 45.25	\$ 6,787.50	13.13%	\$ 27.00	\$ 4,050.00		\$ 70.00	\$ 10,500.00	75.00%	\$ 58.00	\$ 8,700.00	45.00%
1210102	4" Yellow Epoxy Resin Pavement Markings	LF	40	\$ 1.00	\$ 40.00	\$ 1.55	\$ 62.00	55.00%	\$ 1.50	\$ 60.00		\$ 1.00	\$ 40.00	0.00%	\$ 1.30	\$ 52.00	30.00%
1210106	12" White Epoxy Resin Pavement Markings	LF	15	\$ 2.00	\$ 30.00	\$ 4.75	\$ 71.25	137.50%	\$ 5.00	\$ 75.00	150.00%	\$ 6.00	\$ 90.00	200.00%	\$ 4.00	\$ 60.00	100.00%
<b>Alternate No. 1 Bid</b>					\$ 2,168,730.60		\$ 2,119,000.00	-2.29%		\$ 2,085,424.35	-3.84%		\$ 2,483,369.35	14.51%		\$ 2,398,877.41	-10461403832.74%
<b>Total Alternate No. 1 + Total Base Contract:</b>					\$ 13,824,730.60		\$ 14,299,000.00	3.43%		\$ 15,071,567.00	9.02%		\$ 16,022,693.60	15.90%		\$ 17,108,624.51	49870838032.78%

**DETAILED BID ANALYSIS  
STATE PROJECT NO. 77-223  
ROUTE 195 (STORRS ROAD) IMPROVEMENTS**

Contract Item No.	Contract Item	Unit	Qty.	Engineer's Estimate		Empire Paving, Inc.			LaRosa Construction Company, Inc.			Manafort Brothers, Inc.			Statistics (Lowest Three Bidders)			
				Unit Price	Extended Total	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Unit Price	Extended Total	% Diff.	Average	Median	Minimum	Maximum
0949086	Clethra Alnifolia, Sweet Pepperbush, 18"-24" Ht.	EA	4	\$ 40.00	\$ 160.00	\$ 60.00	\$ 240.00	50.00%	\$ 70.00	\$ 280.00	75.00%	\$ 60.00	\$ 240.00	50.00%				
0949090	Quercus Bicolor, Swamp White Oak, 3.5" - 4" CAL. B.B.	EA	3	\$ 500.00	\$ 1,500.00	\$ 1,450.00	\$ 4,350.00	190.00%	\$ 2,000.00	\$ 6,000.00	300.00%	\$ 1,450.00	\$ 4,350.00	190.00%				
0949101	Cornus Amomum Silky Dogwood 3'-4" HT. B.R.	EA	4	\$ 40.00	\$ 160.00	\$ 72.00	\$ 288.00	80.00%	\$ 66.00	\$ 264.00	65.00%	\$ 72.00	\$ 288.00	80.00%				
0949129	Cephalanthus Occidentalis, Buttonbush 1 Gallon Container	EA	17	\$ 25.00	\$ 425.00	\$ 34.00	\$ 578.00	36.00%	\$ 24.00	\$ 408.00	-4.00%	\$ 34.00	\$ 578.00	36.00%				
0949133	Vaccinium Corymbosum, Highbush Blueberry 18"-24" HT.	EA	16	\$ 40.00	\$ 640.00	\$ 63.00	\$ 1,008.00	57.50%	\$ 74.00	\$ 1,184.00	85.00%	\$ 63.00	\$ 1,008.00	57.50%				
0949208	Silver Maple 2"-2.5" CONT	EA	3	\$ 150.00	\$ 450.00	\$ 910.00	\$ 2,730.00	506.67%	\$ 1,100.00	\$ 3,300.00	633.33%	\$ 910.00	\$ 2,730.00	506.67%				
0949292	Alnus Incana, Speckled Alder 18"-24" HT. B.B	EA	15	\$ 30.00	\$ 450.00	\$ 66.00	\$ 990.00	120.00%	\$ 64.00	\$ 960.00	113.33%	\$ 66.00	\$ 990.00	120.00%				
0949531	Viburnum Recognatum, Northern Arrowwood 18"-24" HT. B.B.	EA	26	\$ 40.00	\$ 1,040.00	\$ 88.00	\$ 2,288.00	120.00%	\$ 70.00	\$ 1,820.00	75.00%	\$ 88.00	\$ 2,288.00	120.00%				
0949544	Weeping Willow 6'-8' Height	EA	9	\$ 200.00	\$ 1,800.00	\$ 310.00	\$ 2,790.00	55.00%	\$ 555.00	\$ 4,995.00	177.50%	\$ 310.00	\$ 2,790.00	55.00%				
0949589	American Cranberrybush 18"-24"	EA	9	\$ 65.00	\$ 585.00	\$ 88.00	\$ 792.00	35.38%	\$ 64.00	\$ 576.00	-1.54%	\$ 88.00	\$ 792.00	35.38%				
0949834	Acer Rubrum Red Maple 3"-4" CAL. B.B.	EA	14	\$ 500.00	\$ 7,000.00	\$ 1,600.00	\$ 22,400.00	220.00%	\$ 1,550.00	\$ 21,700.00	210.00%	\$ 910.00	\$ 12,740.00	82.00%				
0949915	Rhododendron Viscosum, Swamp Azalea 24"-36" HT. B.B.	EA	20	\$ 110.00	\$ 2,200.00	\$ 66.00	\$ 1,320.00	-40.00%	\$ 98.00	\$ 1,960.00	-10.91%	\$ 66.00	\$ 1,320.00	-40.00%				
0949932	Green Ash 2.5"-3" CAL.	EA	2	\$ 200.00	\$ 400.00	\$ 900.00	\$ 1,800.00	350.00%	\$ 1,100.00	\$ 2,200.00	450.00%	\$ 900.00	\$ 1,800.00	350.00%				
0950005	Turf Establishment	SY	5074	\$ 2.00	\$ 10,148.00	\$ 0.79	\$ 4,008.46	-60.50%	\$ 2.90	\$ 14,714.60	45.00%	\$ 0.80	\$ 4,059.20	-60.00%				
0950043A	Wetland Grass Establishment	SF	539	\$ 0.40	\$ 215.60	\$ 0.30	\$ 161.70	-25.00%	\$ 0.60	\$ 323.40	50.00%	\$ 0.30	\$ 161.70	-25.00%				
0952051A	Control and Removal of Invasive Vegetation	SY	4507	\$ 5.00	\$ 22,535.00	\$ 2.30	\$ 10,366.10	-54.00%	\$ 15.50	\$ 69,858.50	210.00%	\$ 4.15	\$ 18,704.05	-17.00%				
0971001A	Maintenance and Protection of Traffic (1% of Subtotal)	LS	1	\$ 20,440.00	\$ 20,440.00	\$ 70,000.00	\$ 70,000.00	242.47%	\$ 3,800.00	\$ 3,800.00	-81.41%	\$ 27,790.00	\$ 27,790.00	35.96%				
0980001	Construction Staking (2% of Subtotal)	LS	1	\$ 40,880.00	\$ 40,880.00	\$ 55,000.00	\$ 55,000.00	34.54%	\$ 12,000.00	\$ 12,000.00	-70.65%	\$ 37,890.00	\$ 37,890.00	-7.31%				
0992087A	Kiosk	EA	2	\$ 12,000.00	\$ 24,000.00	\$ 12,000.00	\$ 24,000.00	0.00%	\$ 8,000.00	\$ 16,000.00	-33.33%	\$ 11,000.00	\$ 22,000.00	-8.33%				
0992090A	Bench	EA	2	\$ 3,500.00	\$ 7,000.00	\$ 3,700.00	\$ 7,400.00	5.71%	\$ 2,500.00	\$ 5,000.00	-28.57%	\$ 6,001.00	\$ 12,002.00	71.46%				
1004296A	Solar Powered Emergency Call Box	EA	3	\$ 5,000.00	\$ 15,000.00	\$ 12,400.00	\$ 37,200.00	148.00%	\$ 14,260.00	\$ 42,780.00	185.20%	\$ 12,400.00	\$ 37,200.00	148.00%				
1208932	Sign Face - Sheet Aluminum (Type IV Reflective Sheeting)	SF	150	\$ 40.00	\$ 6,000.00	\$ 65.00	\$ 9,750.00	62.50%	\$ 32.00	\$ 4,800.00	-20.00%	\$ 117.00	\$ 17,550.00	192.50%				
1210102	4" Yellow Epoxy Resin Pavement Markings	LF	40	\$ 1.00	\$ 40.00	\$ 4.00	\$ 160.00	300.00%	\$ 1.50	\$ 60.00	50.00%	\$ 1.30	\$ 52.00	30.00%				
1210106	12" White Epoxy Resin Pavement Markings	LF	15	\$ 2.00	\$ 30.00	\$ 4.00	\$ 60.00	100.00%	\$ 4.60	\$ 69.00	130.00%	\$ 4.00	\$ 60.00	100.00%				
<b>Alternate No. 1 Bid</b>					<b>\$ 2,168,730.60</b>		<b>\$ 2,622,008.66</b>	<b>-6825935026.14%</b>		<b>\$ 2,824,423.45</b>	<b>1946808283.70%</b>		<b>\$ 3,232,646.15</b>	<b>-103.09%</b>				
<b>Total Alternate No. 1 + Total Base Contract:</b>					<b>\$ 13,824,730.60</b>		<b>\$ 16,797,115.99</b>	<b>18624384255.37%</b>		<b>\$ 17,999,676.76</b>	<b>11321422603.39%</b>		<b>\$ 21,026,031.08</b>	<b>-95.78%</b>				