

**HENDERSON COUNTY  
BOARD OF COMMISSIONERS**

**MEETING DATE:** September 20, 2023

**SUBJECT:** **Construction Contract Award  
Ecusta Trail East**

**PRESENTER:** Marcus A. Jones, PE  
County Engineer

**ATTACHMENTS:** (1) Engineer's Letter of Recommendation and  
Bid Tabulation

**SUMMARY OF REQUEST:**

For the eastern portion of the Ecusta Trail (Hendersonville to Horseshoe), the Board is requested to authorize the County Engineer to award the construction contract. The engineer, JMT initially opened bids on Monday, August 7, 2023. Unfortunately, only two bidders submitted bids, and according to NC statutes, the bid were returned unopened. Statutes require a minimum of three bidders for the first opening. Note, subsequent openings only require one bid.

The second bid opening was held on August 30, 2023, and we received three responsive bids as detailed on the attached bid recommendation letter. Within this letter, JMT is recommending the lowest responsive bid from NHM Constructors, Inc in the amount of \$10,126,120.

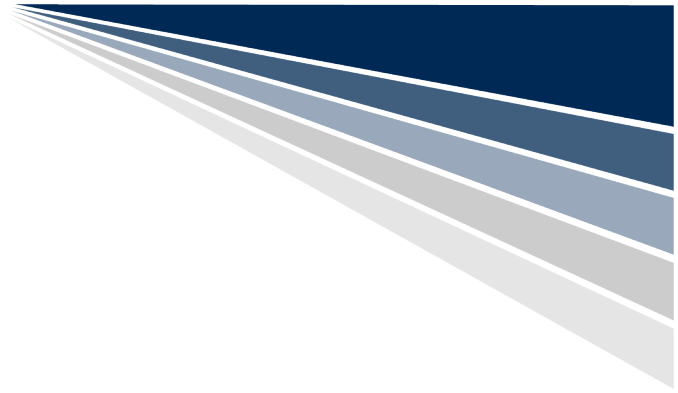
The schedule for this project is aggressive to complete design and permitting prior to the availability of construction funds. Therefore, staff will distribute the engineer's recommendation and bid tab from JMT after this agenda memo but prior to the Board's meeting.

**BOARD ACTION REQUESTED:**

The Board is requested to authorize the County Engineer to award the construction contract for Ecusta Trail East to NHM Constructors, Inc. for \$10, 126,120.00 pending approval from NCDOT.

***Suggested Motion:***

*I move the Board authorize the County Engineer to award the construction contract for Ecusta Trail East to NHM Constructors, Inc. for \$10, 126,120.00 pending approval from NCDOT.*



September 6, 2023

Mr. Marcus A. Jones, PE, County Engineer  
Henderson County, North Carolina  
1 Historic Courthouse Square  
Hendersonville, NC 28792  
Via email transmission

RE: Recommendation of Award of Construction Contract, NCDOT STIP Project BL-0007 and Privately Funded Project, Ecusta Trail from Hendersonville to Horse Shoe in Henderson County

Dear Mr. Jones:

I am recommending that Henderson County, NC award the contract for construction of the subject project to NHM Constructors, Inc. for the bid amount of \$10,126,120.00.

The bid opening was conducted on August 30, 2023, and we received five bids. I examined the bids and determined that two were incomplete because the bidders had not returned the full contract proposal with their bid forms. The instructions for bidding contained within the contract proposal state three times that bidders must return the entire contract proposal with their bids and failure to do so would render their bid as being irregular and therefore not considered. I consulted with NCDOT officials and determined we were not allowed to consider the two irregular bids.

Of the three bids I was allowed to consider, NHM's bid was determined to be the lowest responsive bid. NHM has completed all required submittals for the execution of a contract. Attached are the bid tabulations for the three bids, the comparison of NHM's bid to the Engineer's Estimate. The contract executed by NHM for further handling by the County and NCDOT will be hand delivered tomorrow.

Their bid and our bidding process are compliant with North Carolina General Statutes for bidding and award for local governments and compliant with the North Carolina Department of Transportation's Standard Specifications.

Please advise if you need additional information or have any questions regarding this recommendation.

Sincerely,

A handwritten signature in blue ink that reads "Joel B. Setzer". The signature is fluid and cursive, with the first name "Joel" and last name "Setzer" clearly legible.

Joel Setzer, PE  
Associate Vice President  
JOHNSON, MIRMIRAN & THOMPSON, INC.

JS/

Attachments

Cc: Lonnie Watkins, PE, NCDOT Project Manager

**BID TABS**  
**BL-0007 PRIVATE FUNDS**  
**ECUSTA TRAIL, HENDERSON COUNTY**



Item No.	Line Item	Sect. No.	Description	QTY	Unit	Tennoca Construction Co.(TNNC)		NHM Constructors, Inc.		Buckeye Bridge, LLC	
						Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	0000100000-N	800	Mobilization	1	LS	\$ 355,000.00	\$ 355,000.00	\$ 267,842.34	\$ 267,842.34	\$ 597,000.00	\$ 597,000.00
2	0000400000-N	801	Construction Surveying	1	LS	\$ 150,000.00	\$ 150,000.00	\$ 95,445.00	\$ 95,445.00	\$ 125,000.00	\$ 125,000.00
3	0043000000-N	226	Grading	1	LS	\$ 2,937,100.00	\$ 2,937,100.00	\$ 1,418,153.00	\$ 1,418,153.00	\$ 1,300,000.00	\$ 1,300,000.00
4	0008000000-E	226	Supplemental Clearing and Grubbing	2	Acres	\$ 2,500.00	\$ 5,000.00	\$ 3,712.00	\$ 7,424.00	\$ 500.00	\$ 1,000.00
5	0134000000-E	240	Drainage Ditch Excavation	530	CY	\$ 22.00	\$ 11,660.00	\$ 16.50	\$ 8,745.00	\$ 28.00	\$ 14,840.00
6	0223000000-E	275	Rock Plating	1165	SY	\$ 87.00	\$ 101,355.00	\$ 270.00	\$ 314,550.00	\$ 9.00	\$ 10,485.00
7	0318000000-E	300	Foundation Conditioning Material, Minor Structures	460	Tons	\$ 50.00	\$ 23,000.00	\$ 45.90	\$ 21,114.00	\$ 42.00	\$ 19,320.00
8	0320000000-E	300	Foundation Conditioning, Geotextile	1410	SY	\$ 3.00	\$ 4,230.00	\$ 4.90	\$ 6,909.00	\$ 6.50	\$ 9,165.00
9	0536000000-E	310	30" HDPE Pipe Culverts	108	LF	\$ 110.00	\$ 11,880.00	\$ 131.80	\$ 14,234.40	\$ 100.00	\$ 10,800.00
10	0536000000-E	310	36" HDPE Pipe Culverts	292	LF	\$ 130.00	\$ 37,960.00	\$ 155.80	\$ 45,493.60	\$ 117.00	\$ 34,164.00
11	0536000000-E	310	42" HDPE Pipe Culverts	32	LF	\$ 150.00	\$ 4,800.00	\$ 268.90	\$ 8,604.80	\$ 155.00	\$ 4,960.00
12	0536000000-E	310	48" HDPE Pipe Culverts	32	LF	\$ 185.00	\$ 5,920.00	\$ 313.00	\$ 10,016.00	\$ 195.00	\$ 6,240.00
13	0576000000-E	310	6" CS Pipe Culverts, 0.064" Thick	28	LF	\$ 50.00	\$ 1,400.00	\$ 72.00	\$ 2,016.00	\$ 55.00	\$ 1,540.00
14	0360000000-E	310	12" RC Pipe Culvert CL, III	8	LF	\$ 80.00	\$ 640.00	\$ 62.00	\$ 496.00	\$ 125.00	\$ 1,000.00
15	0366000000-E	310	15" RC Pipe Culvert CL, III	568	LF	\$ 80.00	\$ 45,440.00	\$ 64.50	\$ 36,636.00	\$ 75.00	\$ 42,600.00
16	0372000000-E	310	18" RC Pipe Culvert CL, III	192	LF	\$ 95.00	\$ 18,240.00	\$ 69.50	\$ 13,344.00	\$ 85.00	\$ 16,320.00
17	0378000000-E	310	24" RC Pipe Culvert CL, III	384	LF	\$ 120.00	\$ 46,080.00	\$ 89.00	\$ 34,176.00	\$ 105.00	\$ 40,320.00
18	0384000000-E	310	30" RC Pipe Culvert CL, III	192	LF	\$ 200.00	\$ 38,400.00	\$ 121.00	\$ 23,232.00	\$ 155.00	\$ 29,760.00
19	0390000000-E	310	36" RC Pipe Culvert CL, III	112	LF	\$ 250.00	\$ 28,000.00	\$ 137.00	\$ 15,344.00	\$ 187.00	\$ 20,944.00
20	0426000000-E	310	72" RC Pipe Culvert CL, III	52	LF	\$ 900.00	\$ 46,800.00	\$ 567.00	\$ 29,484.00	\$ 750.00	\$ 39,000.00
21	0448300000-E	310	18" RC Pipe Culvert CL, IV	160	LF	\$ 110.00	\$ 17,600.00	\$ 71.00	\$ 11,360.00	\$ 85.00	\$ 13,600.00
22	0448400000-E	310	24" RC Pipe Culvert CL, IV	60	LF	\$ 160.00	\$ 9,600.00	\$ 95.00	\$ 5,700.00	\$ 140.00	\$ 8,400.00
23	0448500000-E	310	30" RC Pipe Culvert CL, IV	60	LF	\$ 240.00	\$ 14,400.00	\$ 126.00	\$ 7,560.00	\$ 195.00	\$ 11,700.00
24	0448600000-E	310	36" RC Pipe Culvert CL, IV	32	LF	\$ 290.00	\$ 9,280.00	\$ 157.00	\$ 5,024.00	\$ 255.00	\$ 8,160.00
25	0448700000-E	310	42" RC Pipe Culvert CL, IV	28	LF	\$ 320.00	\$ 8,960.00	\$ 313.00	\$ 8,764.00	\$ 300.00	\$ 8,400.00
26	0354000000-E	310	18" RC Pipe Culvert, Class V	64	LF	\$ 120.00	\$ 7,680.00	\$ 77.00	\$ 4,928.00	\$ 128.00	\$ 8,192.00
27	0354000000-E	310	24" RC Pipe Culvert, Class V	76	LF	\$ 190.00	\$ 14,440.00	\$ 104.00	\$ 7,904.00	\$ 165.00	\$ 12,540.00
28	0354000000-E	310	30" RC Pipe Culvert, Class V	28	LF	\$ 290.00	\$ 8,120.00	\$ 176.00	\$ 4,928.00	\$ 225.00	\$ 6,300.00
29	0354000000-E	310	36" RC Pipe Culvert, Class V	64	LF	\$ 350.00	\$ 22,400.00	\$ 177.00	\$ 11,328.00	\$ 265.00	\$ 16,960.00
30	0354000000-E	310	42" RC Pipe Culvert, Class V	40	LF	\$ 450.00	\$ 18,000.00	\$ 276.00	\$ 11,040.00	\$ 350.00	\$ 14,000.00
31	0654000000-E	310	22" x 24" CS Pipe Arch Culverts, 0.064" Thick	324	LF	\$ 180.00	\$ 58,320.00	\$ 124.00	\$ 40,176.00	\$ 162.00	\$ 52,488.00
32	0654000000-E	310	24" x 18" CS Pipe Arch Culverts, 0.064" Thick	84	LF	\$ 160.00	\$ 13,440.00	\$ 97.00	\$ 8,148.00	\$ 132.00	\$ 11,088.00
33	0654000000-E	310	28" x 20" CS Pipe Arch Culverts, 0.064" Thick	68	LF	\$ 170.00	\$ 11,560.00	\$ 104.00	\$ 7,072.00	\$ 142.00	\$ 9,656.00
34	0654000000-E	310	35" x 24" CS Pipe Arch Culverts, 0.079" Thick	72	LF	\$ 180.00	\$ 12,960.00	\$ 125.00	\$ 9,000.00	\$ 182.00	\$ 13,104.00
35	0654000000-E	310	42" x 29" CS Pipe Arch Culverts, 0.079" Thick	172	LF	\$ 190.00	\$ 32,680.00	\$ 144.00	\$ 24,768.00	\$ 206.00	\$ 35,432.00
36	0654000000-E	310	57" x 38" CS Pipe Arch Culverts, 0.079" Thick	40	LF	\$ 260.00	\$ 10,400.00	\$ 198.00	\$ 7,920.00	\$ 318.00	\$ 12,720.00
37	0986000000-E	SP	14" x 23" RC Elliptical Pipe, Class III	32	LF	\$ 170.00	\$ 5,440.00	\$ 113.00	\$ 3,616.00	\$ 116.00	\$ 3,712.00
38	0986000000-E	SP	22" x 34" RC Elliptical Pipe, Class IV	324	LF	\$ 280.00	\$ 90,720.00	\$ 252.00	\$ 81,648.00	\$ 218.00	\$ 70,632.00
39	2190000000-N	828	Temporary Steel Plate Covers	11	EA	\$ 500.00	\$ 5,500.00	\$ 4,255.00	\$ 46,805.00	\$ 1,500.00	\$ 16,500.00
40	0995000000-E	340	Pipe Removal	1373	LF	\$ 20.00	\$ 27,460.00	\$ 37.00	\$ 50,801.00	\$ 58.00	\$ 79,634.00
41	1121000000-E	520	Aggregate Base Course	16835	Tons	\$ 39.00	\$ 656,565.00	\$ 35.40	\$ 595,959.00	\$ 36.00	\$ 606,060.00
42	1220000000-E	545	Incidental Stone Base (Contingency Item)	300	Tons	\$ 36.00	\$ 10,800.00	\$ 39.00	\$ 11,700.00	\$ 56.00	\$ 16,800.00
43	1491000000-E	610	Asphalt Conc Base Course, Type B25.0C	550	Tons	\$ 136.00	\$ 74,800.00	\$ 129.60	\$ 71,280.00	\$ 103.00	\$ 56,650.00
44	1519000000-E	610	Asphalt Conc Surface Course Type S9.5B	6420	Tons	\$ 130.00	\$ 834,600.00	\$ 88.30	\$ 566,886.00	\$ 103.20	\$ 662,544.00
45	1575000000-E	620	Asphalt Binder for Plant Mix	420	Tons	\$ 618.13	\$ 259,614.60	\$ 655.40	\$ 275,268.00	\$ 810.00	\$ 340,200.00
46	1693000000-E	654	Patching Existing Pavement - Asphalt Conc Surface Course Type S9.5B	125	Tons	\$ 188.00	\$ 23,500.00	\$ 185.60	\$ 23,200.00	\$ 240.00	\$ 30,000.00
47	1693000000-E	654	Asphalt Binder for Plant Mix (Patching Existing Pavement)	40	Tons	\$ 618.13	\$ 24,725.20	\$ 655.40	\$ 26,216.00	\$ 810.00	\$ 32,400.00
48	1891500000-N	SP	Generic Paving Item - Stockpiling of Rails	1	LS	\$ 21,000.00	\$ 21,000.00	\$ 13,962.00	\$ 13,962.00	\$ 25,000.00	\$ 25,000.00
49	2209000000-E	838	Endwalls	107	CY	\$ 1,900.00	\$ 203,300.00	\$ 2,311.00	\$ 247,277.00	\$ 965.00	\$ 103,255.00
50	2253000000-E	840	Pipe Collars Class B, STD 840.72	3.056	CY	\$ 1,000.00	\$ 3,056.00	\$ 1,729.00	\$ 5,283.82	\$ 365.00	\$ 1,115.44
51	2275000000-E	SP	Flowable Fill	5	CY	\$ 900.00	\$ 4,500.00	\$ 377.00	\$ 1,885.00	\$ 295.00	\$ 1,475.00
52	2286000000-N	840	Masonry Drainage Structures	30	EA	\$ 3,500.00	\$ 105,000.00	\$ 3,264.00	\$ 97,920.00	\$ 4,150.00	\$ 124,500.00
53	2364000000-N	840	Frame with 2 Grates, STD 840.16	18	EA	\$ 1,000.00	\$ 18,000.00	\$ 862.00	\$ 15,516.00	\$ 1,150.00	\$ 20,700.00
54	2367000000-E	840	Frame with 2 Grates, STD 840.29	5	EA	\$ 900.00	\$ 4,500.00	\$ 755.00	\$ 3,775.00	\$ 1,050.00	\$ 5,250.00
55	2374000000-N	840	Frame with Grate & Hood, Std. 840.03 Type E	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 964.00	\$ 1,928.00	\$ 955.00	\$ 1,910.00
56	2549000000-E	846	2'-6" Concrete Curb & Gutter	75	LF	\$ 80.00	\$ 6,000.00	\$ 106.00	\$ 7,950.00	\$ 50.00	\$ 3,750.00
57	2591000000-E	848	4" Concrete Sidewalk	310	SY	\$ 70.00	\$ 21,700.00	\$ 58.30	\$ 18,073.00	\$ 38.00	\$ 11,780.00
58	2605000000-N	848	Curb Ramps - Detectable Warning Surface	42	EA	\$ 1,800.00	\$ 75,600.00	\$ 954.50	\$ 40,089.00	\$ 950.00	\$ 39,900.00
59	2605000000-N	848	Concrete Curb Ramps	2	EA	\$ 5,500.00	\$ 11,000.00	\$ 3,181.50	\$ 6,363.00	\$ 1,850.00	\$ 3,700.00
60	2761000000-E	848	Generic Paving Item - 8" Concrete for Detectable Warning Surface	250	SY	\$ 180.00	\$ 45,000.00	\$ 100.70	\$ 25,175.00	\$ 38.00	\$ 9,500.00
61	2444000000-N	852	Concrete Transitional Section for Catch Basin	8	EA	\$ 2,800.00	\$ 22,400.00	\$ 3,783.00	\$ 30,264.00	\$ 1,150.00	\$ 9,200.00
62	2905000000-N	859	Convert Existing Drop Inlet to Junction Box	1	EA	\$ 6,000.00	\$ 6,000.00	\$ 2,460.00	\$ 2,460.00	\$ 1,550.00	\$ 1,550.00
63	3030000000-E	SP	Weathered Steel Beam Guradrail	1700	LF	\$ 39.00	\$ 66,300.00	\$ 37.10	\$ 63,070.00	\$ 35.00	\$ 59,500.00

**BID TABS**  
**BL-0007 PRIVATE FUNDS**  
**ECUSTA TRAIL, HENDERSON COUNTY**



Item No.	Line Item	Sect. No.	Description	QTY	Unit	Tennoca Construction Co.(TNNC)		NHM Constructors, Inc.		Buckeye Bridge, LLC	
						Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
64	315000000-N	SP	Additional Guardrail Posts, Weathered	5	EA	\$ 72.00	\$ 360.00	\$ 68.90	\$ 344.50	\$ 65.00	\$ 325.00
65	314500000-E	SP	Extra Length Guardrail Posts, Weathered	310	EA	\$ 100.00	\$ 31,000.00	\$ 93.30	\$ 28,923.00	\$ 88.00	\$ 27,280.00
66	319500000-N	862	Painted Galvanized Guardrail End Units, Type AT-1	3	EA	\$ 2,100.00	\$ 6,300.00	\$ 1,962.00	\$ 5,886.00	\$ 1,850.00	\$ 5,550.00
67	328800000-N	862	Painted Galvanized Guardrail End Units, Type TL-2	7	EA	\$ 5,600.00	\$ 39,200.00	\$ 5,409.00	\$ 37,863.00	\$ 5,100.00	\$ 35,700.00
68	357400000-E	867	Generic Fencing Item - Reset Existing Fence	335	LF	\$ 50.00	\$ 16,750.00	\$ 26.50	\$ 8,877.50	\$ 10.00	\$ 3,350.00
69	357400000-E	867	Generic Fencing Item - Remove and Stockpile Existing Fence	1275	LF	\$ 5.00	\$ 6,375.00	\$ 10.60	\$ 13,515.00	\$ 10.00	\$ 12,750.00
70	357500000-E	SP	Generic Fencing Item - Pedestrian Guard Rail	1000	LF	\$ 163.00	\$ 163,000.00	\$ 131.30	\$ 131,300.00	\$ 300.00	\$ 300,000.00
71	357500000-E	SP	Generic Fencing Item - Pedestrian Safety Rail	4480	LF	\$ 146.00	\$ 654,080.00	\$ 131.30	\$ 588,224.00	\$ 300.00	\$ 1,344,000.00
72	362800000-E	876	Rip Rap, Class I	335	Tons	\$ 84.00	\$ 28,140.00	\$ 64.30	\$ 21,540.50	\$ 50.00	\$ 16,750.00
73	363500000-E	876	Rip Rap, Class II	2180	Tons	\$ 84.00	\$ 183,120.00	\$ 63.20	\$ 137,776.00	\$ 48.00	\$ 104,640.00
74	022000000-E	SP	Rock Embankments	75	TON	\$ 98.00	\$ 7,350.00	\$ 202.00	\$ 15,150.00	\$ 65.00	\$ 4,875.00
75	364200000-E	876	Class A, Rip Rap	2.5	Tons	\$ 50.00	\$ 125.00	\$ 60.00	\$ 150.00	\$ 250.00	\$ 625.00
76	364900000-E	876	Class B, Rip Rap	110	Tons	\$ 50.00	\$ 5,500.00	\$ 60.00	\$ 6,600.00	\$ 58.00	\$ 6,380.00
77	107700000-E	SP	Stone for Erosion Control, #57	12.5	TON	\$ 60.00	\$ 750.00	\$ 45.00	\$ 562.50	\$ 58.00	\$ 725.00
78	365600000-E	SP	Geotextile For Rock Embankments	60	SY	\$ 3.00	\$ 180.00	\$ 21.30	\$ 1,278.00	\$ 7.00	\$ 420.00
79	383200000-E	SP	Railroad Track To Be Removed	1187	LF	\$ 27.00	\$ 32,049.00	\$ 23.50	\$ 27,894.50	\$ 50.00	\$ 59,350.00
80	402500000-E	901	Contractor Furnished, Type E Sign	1468.5	SF	\$ 18.00	\$ 26,433.00	\$ 15.50	\$ 22,761.75	\$ 13.35	\$ 19,604.48
81	402500000-E	901	Contractor Furnished, Type F Sign	481.86	SF	\$ 23.00	\$ 11,082.78	\$ 21.50	\$ 10,359.99	\$ 18.95	\$ 9,131.25
82	407200000-E	903	Supports, 3-lb. Steel U-Channel	4032	LF	\$ 12.00	\$ 48,384.00	\$ 9.25	\$ 37,296.00	\$ 8.00	\$ 32,256.00
83	410200000-N	904	Sign Erection, Type E	287	EA	\$ 100.00	\$ 28,700.00	\$ 59.00	\$ 16,933.00	\$ 55.00	\$ 15,785.00
84	410800000-N	904	Sign Erection, Type F	269	EA	\$ 100.00	\$ 26,900.00	\$ 69.00	\$ 18,561.00	\$ 65.00	\$ 17,485.00
85	415400000-N	907	Disposal of Sign System, U-Channel	76	EA	\$ 20.00	\$ 1,520.00	\$ 22.00	\$ 1,672.00	\$ 20.00	\$ 1,520.00
86	444500000-E	1145	Barricades, Type III	6	LF	\$ 60.00	\$ 360.00	\$ 114.00	\$ 684.00	\$ 100.00	\$ 600.00
87	445700000-N	SP	Temporary Traffic Control	1	LS	\$ 129,490.00	\$ 129,490.00	\$ 153,296.00	\$ 153,296.00	\$ 100,000.00	\$ 100,000.00
88	468500000-E	1205	Thermoplastic Pavement Marking Lines (4", 90 Mils)	6480	LF	\$ 1.30	\$ 8,424.00	\$ 2.90	\$ 18,792.00	\$ 1.60	\$ 10,368.00
89	469500000-E	1205	Thermoplastic Pavement Marking Lines (8", 90 Mils)	97	LF	\$ 4.40	\$ 426.80	\$ 6.00	\$ 582.00	\$ 4.00	\$ 388.00
90	470000000-E	1205	Thermoplastic Pavement Marking Lines (12", 90 Mils)	350	LF	\$ 5.50	\$ 1,925.00	\$ 8.70	\$ 3,045.00	\$ 6.00	\$ 2,100.00
91	471000000-E	1205	Thermoplastic Pavement Marking Lines (24", 90 Mils)	2218	LF	\$ 9.00	\$ 19,962.00	\$ 20.00	\$ 44,360.00	\$ 7.00	\$ 15,526.00
92	472000000-E	1205	Thermoplastic Pavement Marking Character (90 Mils)	33	EA	\$ 440.00	\$ 14,520.00	\$ 292.00	\$ 9,636.00	\$ 200.00	\$ 6,600.00
93	472500000-E	1205	Thermoplastic Pavement Marking Symbol (90 Mils)	62	EA	\$ 220.00	\$ 13,640.00	\$ 186.00	\$ 11,532.00	\$ 200.00	\$ 12,400.00
94	472610000-E	1205	Bicycle Character (90 Mils)	40	EA	\$ 385.00	\$ 15,400.00	\$ 504.00	\$ 20,160.00	\$ 300.00	\$ 12,000.00
95	485000000-E	1205	Removal of Pavement Marking Lines, 4"	515	LF	\$ 1.60	\$ 824.00	\$ 2.20	\$ 1,133.00	\$ 1.50	\$ 772.50
96	487000000-E	1205	Removal of Pavement Marking Lines, 24"	652	LF	\$ 4.40	\$ 2,868.80	\$ 7.00	\$ 4,564.00	\$ 4.00	\$ 2,608.00
97	487500000-N	1205	Removal of Pavement Marking Symbols & Characters	27	EA	\$ 66.00	\$ 1,782.00	\$ 91.00	\$ 2,457.00	\$ 100.00	\$ 2,700.00
98	365600000-E	876	Geotextile for Drainage	4040	SY	\$ 3.00	\$ 12,120.00	\$ 5.00	\$ 20,200.00	\$ 6.50	\$ 26,260.00
99	600000000-E	1605	Temporary Silt Fence	60705	LF	\$ 5.00	\$ 303,525.00	\$ 4.20	\$ 254,961.00	\$ 5.50	\$ 333,877.50
100	600600000-E	1610	Stone for Erosion Control, Class A	1660	TON	\$ 50.00	\$ 83,000.00	\$ 43.80	\$ 72,708.00	\$ 50.00	\$ 83,000.00
101	600900000-E	1610	Stone for Erosion Control, Class B	1225	TON	\$ 50.00	\$ 61,250.00	\$ 43.80	\$ 53,655.00	\$ 50.00	\$ 61,250.00
102	601200000-E	1610	Sediment Control Stone	1235	TON	\$ 50.00	\$ 61,750.00	\$ 45.00	\$ 55,575.00	\$ 45.00	\$ 55,575.00
103	601500000-E	1615	Temporary Mulching	17	Acres	\$ 2,000.00	\$ 34,000.00	\$ 1,786.00	\$ 30,362.00	\$ 1,700.00	\$ 28,900.00
104	601800000-E	1620	Seed for Temporary Seeding	1200	LB	\$ 5.00	\$ 6,000.00	\$ 6.30	\$ 7,560.00	\$ 6.00	\$ 7,200.00
105	602100000-E	1620	Fertilizer for Temporary Seeding	6	TON	\$ 1,800.00	\$ 10,800.00	\$ 1,996.00	\$ 11,976.00	\$ 1,900.00	\$ 11,400.00
106	602400000-E	1622	Temporary Slope Drains	400	LF	\$ 28.00	\$ 11,200.00	\$ 36.20	\$ 14,480.00	\$ 52.00	\$ 20,800.00
107	602900000-E	SP	Safety Fence	2340	LF	\$ 3.00	\$ 7,020.00	\$ 3.40	\$ 7,956.00	\$ 5.25	\$ 12,285.00
108	603000000-E	1630	Silt Excavation	1360	CY	\$ 15.00	\$ 20,400.00	\$ 19.00	\$ 25,840.00	\$ 21.00	\$ 28,560.00
109	603800000-E	SP	Permanent Soil Reinforcement Mat (Slope/Ditch Matting)	15000	SY	\$ 6.00	\$ 90,000.00	\$ 3.90	\$ 58,500.00	\$ 3.75	\$ 56,250.00
110	604200000-E	1632	1/4" Hardware Cloth	4405	LF	\$ 7.00	\$ 30,835.00	\$ 7.00	\$ 30,835.00	\$ 5.00	\$ 22,025.00
111	607000000-N	1639	Special Stilling Basin	8	EA	\$ 800.00	\$ 6,400.00	\$ 639.00	\$ 5,112.00	\$ 1,200.00	\$ 9,600.00
112	611100000-E	SP	Impervious Dike	285	LF	\$ 80.00	\$ 22,800.00	\$ 216.20	\$ 61,617.00	\$ 32.00	\$ 9,120.00
113	604800000-E	SP	Floating Turbidity Curtain	985	SY	\$ 26.00	\$ 25,610.00	\$ 59.00	\$ 58,115.00	\$ 48.00	\$ 47,280.00
114	608400000-E	1660	Seeding & Mulching	15.5	Acres	\$ 3,300.00	\$ 51,150.00	\$ 2,731.00	\$ 42,330.50	\$ 2,600.00	\$ 40,300.00
115	608700000-E	1660	Mowing	9.5	Acres	\$ 110.00	\$ 1,045.00	\$ 421.00	\$ 3,999.50	\$ 400.00	\$ 3,800.00
116	609000000-E	1661	Seed for Repair Seeding	250	LB	\$ 11.00	\$ 2,750.00	\$ 10.50	\$ 2,625.00	\$ 10.00	\$ 2,500.00
117	609300000-E	1661	Fertilizer for Repair Seeding	0.75	TON	\$ 2,200.00	\$ 1,650.00	\$ 2,521.00	\$ 1,890.75	\$ 2,400.00	\$ 1,800.00
118	609600000-E	1662	Seed for Supplemental Seeding	400	LB	\$ 17.00	\$ 6,800.00	\$ 6.30	\$ 2,520.00	\$ 6.00	\$ 2,400.00
119	610800000-E	1665	Fertilizer Topdressing	10.75	Ton	\$ 2,000.00	\$ 21,500.00	\$ 1,891.00	\$ 20,328.25	\$ 1,800.00	\$ 19,350.00
120	611450000-N	1667	Specialized Hand Mowing	20	MHR	\$ 100.00	\$ 2,000.00	\$ 78.80	\$ 1,576.00	\$ 75.00	\$ 1,500.00
121	611700000-N	1675	Response for Erosion Control	50	EA	\$ 350.00	\$ 17,500.00	\$ 410.00	\$ 20,500.00	\$ 390.00	\$ 19,500.00
122	611750000-N	SP	Concrete Washout Structure	39	EA	\$ 700.00	\$ 27,300.00	\$ 1,081.00	\$ 42,159.00	\$ 500.00	\$ 19,500.00
123	704850000-E	1705	Pedestrian Signal Head (16", 1 Section w/ Countdown)	10	EA	\$ 1,200.00	\$ 12,000.00	\$ 1,166.60	\$ 11,666.00	\$ 1,100.00	\$ 11,000.00
124	706000000-E	1705	Signal Cable	2275	LF	\$ 3.30	\$ 7,507.50	\$ 3.20	\$ 7,280.00	\$ 3.00	\$ 6,825.00
125	712000000-E	1705	Vehicle Signal Head (12", 3 Section)	18	EA	\$ 1,200.00	\$ 21,600.00	\$ 1,166.60	\$ 20,998.80	\$ 1,100.00	\$ 19,800.00
126	722900000-N	SP	APS Detector Station	10	EA	\$ 1,400.00	\$ 14,000.00	\$ 1,431.70	\$ 14,317.00	\$ 1,350.00	\$ 13,500.00

**BID TABS**  
**BL-0007 PRIVATE FUNDS**  
**ECUSTA TRAIL, HENDERSON COUNTY**



Item No.	Line Item	Sect. No.	Description	QTY	Unit	Tennoca Construction Co.(TNNC)		NHM Constructors, Inc.		Buckeye Bridge, LLC	
						Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
127	7230000000-N	SP	Central Control Units for APS Detector Stations	2	EA	\$ 2,700.00	\$ 5,400.00	\$ 2,652.00	\$ 5,304.00	\$ 2,500.00	\$ 5,000.00
128	7288000000-E	1715	Paved Trenching (1, 2")	92	LF	\$ 110.00	\$ 10,120.00	\$ 106.10	\$ 9,761.20	\$ 100.00	\$ 9,200.00
129	7288000000-E	1715	Paved Trenching (4, 2")	35	LF	\$ 140.00	\$ 4,900.00	\$ 132.60	\$ 4,641.00	\$ 125.00	\$ 4,375.00
130	7300000000-E	1715	Unpaved Trenching (1, 2")	43	LF	\$ 82.00	\$ 3,526.00	\$ 80.00	\$ 3,440.00	\$ 75.00	\$ 3,225.00
131	7300000000-E	1715	Unpaved Trenching (4, 2")	658	LF	\$ 24.00	\$ 15,792.00	\$ 23.50	\$ 15,463.00	\$ 22.00	\$ 14,476.00
132	7301000000-E	1715	Direction Drill (1, 2")	80	LF	\$ 38.00	\$ 3,040.00	\$ 37.10	\$ 2,968.00	\$ 35.00	\$ 2,800.00
133	7301000000-E	1715	Direction Drill (2, 2")	211	LF	\$ 50.00	\$ 10,550.00	\$ 48.00	\$ 10,128.00	\$ 45.00	\$ 9,495.00
134	5326200000-E	1510	12" Ductile Iron Conduit	44	LF	\$ 470.00	\$ 20,680.00	\$ 451.00	\$ 19,844.00	\$ 425.00	\$ 18,700.00
135	7324000000-N	1716	Junction Box (Standard Size)	12	EA	\$ 940.00	\$ 11,280.00	\$ 902.00	\$ 10,824.00	\$ 850.00	\$ 10,200.00
136	7384000000-E	1722	1/2" Riser	2	EA	\$ 830.00	\$ 1,660.00	\$ 796.00	\$ 1,592.00	\$ 750.00	\$ 1,500.00
137	7384000000-E	1722	2" Riser	1	EA	\$ 1,100.00	\$ 1,100.00	\$ 1,060.50	\$ 1,060.50	\$ 1,000.00	\$ 1,000.00
138	7420000000-E	1722	2" Riser w/ Weatherhead	2	EA	\$ 1,400.00	\$ 2,800.00	\$ 1,273.00	\$ 2,546.00	\$ 1,200.00	\$ 2,400.00
139	7444000000-E	1725	Inductive Loop Sawcut	1007	LF	\$ 15.00	\$ 15,105.00	\$ 15.00	\$ 15,105.00	\$ 14.00	\$ 14,098.00
140	7456000000-E	1726	Lead-In Cable	2497	LF	\$ 3.00	\$ 7,491.00	\$ 2.90	\$ 7,241.30	\$ 2.75	\$ 6,866.75
141	7574500000-N	SP	Furnish Wireless Radio Modem	1	EA	\$ 3,300.00	\$ 3,300.00	\$ 3,182.00	\$ 3,182.00	\$ 3,000.00	\$ 3,000.00
142	7575142010-N	1736	900MHz Serial/Ethernet Spread Spectrum Radio	3	EA	\$ 6,000.00	\$ 18,000.00	\$ 5,833.00	\$ 17,499.00	\$ 5,500.00	\$ 16,500.00
143	7574550000-N	SP	Furnish Wireless Lightning Arrestor	3	EA	\$ 550.00	\$ 1,650.00	\$ 531.00	\$ 1,593.00	\$ 500.00	\$ 1,500.00
144	7566000000-N	1098	Delineator Marker	47	EA	\$ 270.00	\$ 12,690.00	\$ 266.00	\$ 12,502.00	\$ 250.00	\$ 11,750.00
145	7588000000-N	SP	Metal Pole with Single Mast Arm	4	EA	\$ 23,000.00	\$ 92,000.00	\$ 22,271.00	\$ 89,084.00	\$ 21,000.00	\$ 84,000.00
146	7590000000-N	SP	Metal Pole with Dual Mast Arm	2	EA	\$ 35,000.00	\$ 70,000.00	\$ 33,936.00	\$ 67,872.00	\$ 32,000.00	\$ 64,000.00
147	7613000000-N	SP	Soil Test	3	EA	\$ 2,800.00	\$ 8,400.00	\$ 2,652.00	\$ 7,956.00	\$ 2,500.00	\$ 7,500.00
148	7614100000-E	SP	Drilled Pier Foundation	45	CY	\$ 1,270.00	\$ 57,150.00	\$ 1,220.00	\$ 54,900.00	\$ 1,150.00	\$ 51,750.00
149	7631000000-N	SP	Mast Arm with Metal Pole Design	3	EA	\$ 550.00	\$ 1,650.00	\$ 531.00	\$ 1,593.00	\$ 500.00	\$ 1,500.00
150	7980000000-N	SP	Protective Coating for Single Mast Arm Pole (Hunter Green)	1	EA	\$ 4,400.00	\$ 4,400.00	\$ 4,242.00	\$ 4,242.00	\$ 4,000.00	\$ 4,000.00
151	7980000000-N	SP	Protective Coating for Dual Mast Arm Pole (Hunter Green)	1	EA	\$ 4,900.00	\$ 4,900.00	\$ 4,773.00	\$ 4,773.00	\$ 4,500.00	\$ 4,500.00
152	7980000000-N	SP	Protective Coating for Signal Pedestal (Hunter Green)	4	EA	\$ 270.00	\$ 1,080.00	\$ 266.00	\$ 1,064.00	\$ 250.00	\$ 1,000.00
153	7636000000-N	1745	Sign For Signals	26	EA	\$ 330.00	\$ 8,580.00	\$ 319.00	\$ 8,294.00	\$ 300.00	\$ 7,800.00
154	7642100000-N	1743	Type I Post with Foundation	1	EA	\$ 3,300.00	\$ 3,300.00	\$ 3,182.00	\$ 3,182.00	\$ 3,000.00	\$ 3,000.00
155	7642200000-N	1743	Type II Pedestal with Foundation	6	EA	\$ 4,400.00	\$ 26,400.00	\$ 4,242.00	\$ 25,452.00	\$ 4,000.00	\$ 24,000.00
156	7684000000-N	1750	Signal Cabinet Foundation	2	EA	\$ 2,700.00	\$ 5,400.00	\$ 2,652.00	\$ 5,304.00	\$ 2,500.00	\$ 5,000.00
157	7756000000-N	1751	Controller with Cabinet (Type 2070LX, Base Mounted)	2	EA	\$ 30,800.00	\$ 61,600.00	\$ 29,694.00	\$ 59,388.00	\$ 28,000.00	\$ 56,000.00
158	7780000000-N	1751	Detector Card, Type 170	7	EA	\$ 330.00	\$ 2,310.00	\$ 319.00	\$ 2,233.00	\$ 300.00	\$ 2,100.00
159	7912000000-N	1755	Beacon Controller Assembly & Cabinet (RRFB w Thermal Detection and Radio Communica	2	EA	\$ 14,300.00	\$ 28,600.00	\$ 13,787.00	\$ 27,574.00	\$ 13,000.00	\$ 26,000.00
160	7980000000-N	SP	Generic Signal Item - Remove and Stockpile Railroad Signal Structure	7	EA	\$ 4,000.00	\$ 28,000.00	\$ 3,182.00	\$ 22,274.00	\$ 3,000.00	\$ 21,000.00
161	8802012000-E	SP	Soldier Pile Retaining Wall - No. 1	1982	SF	\$ 346.00	\$ 685,772.00	\$ 509.30	\$ 1,009,432.60	\$ 500.00	\$ 991,000.00
162	8802012000-E	SP	Soldier Pile Retaining Wall - No. 2	144	SF	\$ 346.00	\$ 49,824.00	\$ 713.80	\$ 102,787.20	\$ 600.00	\$ 86,400.00
163	8021000000-N	402	Removal of Existing Structure	6	EA	\$ 22,000.00	\$ 132,000.00	\$ 23,405.00	\$ 140,430.00	\$ 75,000.00	\$ 450,000.00
164	8065000000-N	SP	Asbestos Assessment	1	LS	\$ 3,600.00	\$ 3,600.00	\$ 8,181.00	\$ 8,181.00	\$ 12,000.00	\$ 12,000.00
165	8070000000-E	410	Foundation Excavation for End Bent	451	CY	\$ 112.00	\$ 50,512.00	\$ 55.40	\$ 24,985.40	\$ 50.00	\$ 22,550.00
166	8121000000-N	412	Unclassified Structure Excavation	382	CY	\$ 112.00	\$ 42,784.00	\$ 55.40	\$ 21,162.80	\$ 50.00	\$ 19,100.00
167	8182000000-E	420	Class A Concrete, Bridge	137	CY	\$ 1,600.00	\$ 219,200.00	\$ 1,121.80	\$ 153,686.60	\$ 6,000.00	\$ 822,000.00
168	8217000000-E	425	Reinforcing Steel, Bridge	12990	LB	\$ 3.00	\$ 38,970.00	\$ 2.90	\$ 37,671.00	\$ 5.00	\$ 64,950.00
169	8096000000-E	450	Pile Excavation, In Soil	82	LF	\$ 660.00	\$ 54,120.00	\$ 1,331.50	\$ 109,183.00	\$ 650.00	\$ 53,300.00
170	8096000000-E	450	Pile Excavation, Not In Soil	70	LF	\$ 660.00	\$ 46,200.00	\$ 1,358.80	\$ 95,116.00	\$ 650.00	\$ 45,500.00
171	8328200000-E	450	Pile Driving Equipment Setup for Steel Piles, HP12X53	29	EA	\$ 1.00	\$ 29.00	\$ 1,488.40	\$ 43,163.60	\$ 500.00	\$ 14,500.00
172	8364000000-E	450	HP12X53 Piles	800	LF	\$ 140.00	\$ 112,000.00	\$ 43.60	\$ 34,880.00	\$ 200.00	\$ 160,000.00
173	8391000000-N	450	Steel Pile Points	8	EA	\$ 170.00	\$ 1,360.00	\$ 179.50	\$ 1,436.00	\$ 300.00	\$ 2,400.00
174	8590000000-E	876	Rip Rap, Class II	462	Tons	\$ 90.00	\$ 41,580.00	\$ 103.50	\$ 47,817.00	\$ 110.00	\$ 50,820.00
175	8622000000-E	876	Geotextile for Drainage, Structures	507	SY	\$ 5.00	\$ 2,535.00	\$ 8.40	\$ 4,258.80	\$ 15.00	\$ 7,605.00
176	8897000000-N	SP	Generic Structure Item - Structure 11	1	EA	\$ 109,000.00	\$ 109,000.00	\$ 100,859.00	\$ 100,859.00	\$ 95,000.00	\$ 95,000.00
177	8897000000-N	SP	Generic Structure Item - Structure 12	1	EA	\$ 122,000.00	\$ 122,000.00	\$ 111,083.00	\$ 111,083.00	\$ 95,000.00	\$ 95,000.00
178	8897000000-N	SP	Generic Structure Item - Structure 13	1	EA	\$ 61,000.00	\$ 61,000.00	\$ 54,072.00	\$ 54,072.00	\$ 95,000.00	\$ 95,000.00
179	8897000000-N	SP	Generic Structure Item - Structure 14	1	EA	\$ 54,000.00	\$ 54,000.00	\$ 49,115.00	\$ 49,115.00	\$ 95,000.00	\$ 95,000.00
180	8897000000-N	SP	Generic Structure Item - Structure 15	1	EA	\$ 104,000.00	\$ 104,000.00	\$ 95,168.00	\$ 95,168.00	\$ 95,000.00	\$ 95,000.00
181	8897000000-N	SP	Generic Structure Item - Structure 16	1	EA	\$ 99,000.00	\$ 99,000.00	\$ 90,210.00	\$ 90,210.00	\$ 95,000.00	\$ 95,000.00
182	0000915000-N	SP	Generic Miscellaneous Item - Boulder	6	EA	\$ 3,000.00	\$ 18,000.00	\$ 2,157.00	\$ 12,942.00	\$ 2,000.00	\$ 12,000.00

TOTAL

\$ 11,872,599.68

\$ 10,126,120.00

\$ 11,947,497.92



**LOW BID and ESTIMATE COMPARISON  
BL-0007 PRIVATE FUNDS  
ECUSTA TRAIL HENDERSON COUNTY**



PROJECT # Ecusta Trail Greenway  
COUNTY Henderson  
TIP NO. BL-0007  
FED ID \_\_\_\_\_

TIME: 2:00 PM  
DATE: August 30, 2023

TYPE OF WORK Grading, Paving, Drainage, and Structure Construction  
LOCATION Approx. 166LF North of US 64 to US 25

LINE #	PAY ITEM #	SECTION #	DESCRIPTION	QUANTITY	UOM	ENGINEER'S ESTIMATE		BIDDER		DIFF. FROM DIV. EST.	PERCENT	AMOUNT
						UNIT COST	EXTENDED COST	NHM	EXTENDED COST			
1	0000100000-N	800	Mobilization	1	LS	\$ 584,000.00	\$ 584,000.00	\$ 267,842.34	\$ 267,842.34	-54.14%		316,157.66
2	0000400000-N	801	Construction Surveying	1	LS	\$ 242,000.00	\$ 242,000.00	\$ 95,445.00	\$ 95,445.00	-60.56%		146,555.00
3	0043000000-N	226	Grading	1	LS	\$ 384,000.00	\$ 384,000.00	\$ 1,418,153.00	\$ 1,418,153.00	269.31%	1,034,153.00	
4	0008000000-E	226	Supplemental Clearing and Grubbing	2	Acres	\$ 10,000.00	\$ 20,000.00	\$ 3,712.00	\$ 7,424.00	-62.88%		12,576.00
5	0134000000-E	240	Drainage Ditch Excavation	530	CY	\$ 13.00	\$ 6,890.00	\$ 16.50	\$ 8,745.00	26.92%		1,855.00
6	0223000000-E	275	Rock Plating	1165	SY	\$ 100.00	\$ 116,500.00	\$ 270.00	\$ 314,550.00	170.00%		198,050.00
7	0318000000-E	300	Foundation Conditioning Material, Minor Structures	460	Tons	\$ 58.00	\$ 26,680.00	\$ 45.90	\$ 21,114.00	-20.86%		5,566.00
8	0320000000-E	300	Foundation Conditioning, Geotextile	1410	SY	\$ 4.00	\$ 5,640.00	\$ 4.90	\$ 6,909.00	22.50%		1,269.00
9	0536000000-E	310	30" HDPE Pipe Culverts	108	LF	\$ 150.00	\$ 16,200.00	\$ 131.80	\$ 14,234.40	-12.13%		1,965.60
10	0536000000-E	310	36" HDPE Pipe Culverts	292	LF	\$ 225.00	\$ 65,700.00	\$ 155.80	\$ 45,493.60	-30.76%		20,206.40
11	0536000000-E	310	42" HDPE Pipe Culverts	32	LF	\$ 300.00	\$ 9,600.00	\$ 268.90	\$ 8,604.80	-10.37%		995.20
12	0536000000-E	310	48" HDPE Pipe Culverts	32	LF	\$ 400.00	\$ 12,800.00	\$ 313.00	\$ 10,016.00	-21.75%		2,784.00
13	0576000000-E	310	6" CS Pipe Culverts, 0.064" Thick	28	LF	\$ 95.00	\$ 2,660.00	\$ 72.00	\$ 2,016.00	-24.21%		644.00
14	0360000000-E	310	12" RC Pipe Culvert CL. III	8	LF	\$ 105.00	\$ 840.00	\$ 62.00	\$ 496.00	-40.95%		344.00
15	0366000000-E	310	15" RC Pipe Culvert CL. III	568	LF	\$ 115.00	\$ 65,320.00	\$ 64.50	\$ 36,636.00	-43.91%		28,684.00
16	0372000000-E	310	18" RC Pipe Culvert CL. III	192	LF	\$ 125.00	\$ 24,000.00	\$ 69.50	\$ 13,344.00	-44.40%		10,656.00
17	0378000000-E	310	24" RC Pipe Culvert CL. III	384	LF	\$ 175.00	\$ 67,200.00	\$ 89.00	\$ 34,176.00	-49.14%		33,024.00
18	0384000000-E	310	30" RC Pipe Culvert CL. III	192	LF	\$ 225.00	\$ 43,200.00	\$ 121.00	\$ 23,232.00	-46.22%		19,968.00
19	0390000000-E	310	36" RC Pipe Culvert CL. III	112	LF	\$ 275.00	\$ 30,800.00	\$ 137.00	\$ 15,344.00	-50.18%		15,456.00
20	0426000000-E	310	72" RC Pipe Culvert CL. III	52	LF	\$ 675.00	\$ 35,100.00	\$ 567.00	\$ 29,484.00	-16.00%		5,616.00
21	0448300000-E	310	18" RC Pipe Culvert CL. IV	160	LF	\$ 150.00	\$ 24,000.00	\$ 71.00	\$ 11,360.00	-52.67%		12,640.00
22	0448400000-E	310	24" RC Pipe Culvert CL. IV	60	LF	\$ 200.00	\$ 12,000.00	\$ 95.00	\$ 5,700.00	-52.50%		6,300.00
23	0448500000-E	310	30" RC Pipe Culvert CL. IV	60	LF	\$ 225.00	\$ 13,500.00	\$ 126.00	\$ 7,560.00	-44.00%		5,940.00
24	0448600000-E	310	36" RC Pipe Culvert CL. IV	32	LF	\$ 300.00	\$ 9,600.00	\$ 157.00	\$ 5,024.00	-47.67%		4,576.00
25	0448700000-E	310	42" RC Pipe Culvert CL. IV	28	LF	\$ 400.00	\$ 11,200.00	\$ 313.00	\$ 8,764.00	-21.75%		2,436.00
26	0354000000-E	310	18" RC Pipe Culvert, Class V	64	LF	\$ 150.00	\$ 9,600.00	\$ 77.00	\$ 4,928.00	-48.67%		4,672.00
27	0354000000-E	310	24" RC Pipe Culvert, Class V	76	LF	\$ 175.00	\$ 13,300.00	\$ 104.00	\$ 7,904.00	-40.57%		5,396.00
28	0354000000-E	310	30" RC Pipe Culvert, Class V	28	LF	\$ 225.00	\$ 6,300.00	\$ 176.00	\$ 4,928.00	-21.78%		1,372.00
29	0354000000-E	310	36" RC Pipe Culvert, Class V	64	LF	\$ 300.00	\$ 19,200.00	\$ 177.00	\$ 11,328.00	-41.00%		7,872.00
30	0354000000-E	310	42" RC Pipe Culvert, Class V	40	LF	\$ 400.00	\$ 16,000.00	\$ 276.00	\$ 11,040.00	-31.00%		4,960.00
31	0654000000-E	310	22" x 24" CS Pipe Arch Culverts, 0.064" Thick	324	LF	\$ 162.40	\$ 52,617.60	\$ 124.00	\$ 40,176.00	-23.65%		12,441.60
32	0654000000-E	310	24" x 18" CS Pipe Arch Culverts, 0.064" Thick	84	LF	\$ 203.07	\$ 17,057.88	\$ 97.00	\$ 8,148.00	-52.23%		8,909.88
33	0654000000-E	310	28" x 20" CS Pipe Arch Culverts, 0.064" Thick	68	LF	\$ 243.74	\$ 16,574.32	\$ 104.00	\$ 7,072.00	-57.33%		9,502.32
34	0654000000-E	310	35" x 24" CS Pipe Arch Culverts, 0.079" Thick	72	LF	\$ 300.62	\$ 21,644.64	\$ 125.00	\$ 9,000.00	-58.42%		12,644.64
35	0654000000-E	310	42" x 29" CS Pipe Arch Culverts, 0.079" Thick	172	LF	\$ 357.50	\$ 61,490.00	\$ 144.00	\$ 24,768.00	-59.72%		36,722.00
36	0654000000-E	310	57" x 38" CS Pipe Arch Culverts, 0.079" Thick	40	LF	\$ 504.00	\$ 20,160.00	\$ 198.00	\$ 7,920.00	-60.71%		12,240.00
37	0986000000-E	SP	14" x 23" RC Elliptical Pipe, Class III	32	LF	\$ 227.50	\$ 7,280.00	\$ 113.00	\$ 3,616.00	-50.33%		3,664.00
38	0986000000-E	SP	22" x 34" RC Elliptical Pipe, Class IV	324	LF	\$ 390.00	\$ 126,360.00	\$ 252.00	\$ 81,648.00	-35.38%		44,712.00
39	2190000000-N	828	Temporary Steel Plate Covers	11	EA	\$ 1,888.52	\$ 20,773.72	\$ 4,255.00	\$ 46,805.00	125.31%		26,031.28
40	0995000000-E	340	Pipe Removal	1373	LF	\$ 25.00	\$ 34,325.00	\$ 37.00	\$ 50,801.00	48.00%		16,476.00
41	1121000000-E	520	Aggregate Base Course	16835	Tons	\$ 50.00	\$ 841,750.00	\$ 35.40	\$ 595,959.00	-29.20%		245,791.00
42	1220000000-E	545	Incidental Stone Base (Contingency Item)	300	Tons	\$ 50.00	\$ 15,000.00	\$ 39.00	\$ 11,700.00	-22.00%		3,300.00
43	1491000000-E	610	Asphalt Conc Base Course, Type B25.0C	550	Tons	\$ 165.00	\$ 90,750.00	\$ 129.60	\$ 71,280.00	-21.45%		19,470.00
44	1519000000-E	610	Asphalt Conc Surface Course Type S9.5B	6420	Tons	\$ 150.00	\$ 963,000.00	\$ 88.30	\$ 566,886.00	-41.13%		396,114.00
45	1575000000-E	620	Asphalt Binder for Plant Mix	420	Tons	\$ 750.00	\$ 315,000.00	\$ 655.40	\$ 275,268.00	-12.61%		39,732.00
46	1693000000-E	654	Patching Existing Pavement - Asphalt Conc Surface Course Type S9.5B	125	Tons	\$ 250.00	\$ 31,250.00	\$ 185.60	\$ 23,200.00	-25.76%		8,050.00
47	1693000000-E	654	Asphalt Binder for Plant Mix (Patching Existing Pavement)	40	Tons	\$ 720.00	\$ 28,800.00	\$ 655.40	\$ 26,216.00	-8.97%		2,584.00
48	1891500000-N	SP	Generic Paving Item - Stockpiling of Rails	1	LS	\$ 9,000.00	\$ 9,000.00	\$ 13,962.00	\$ 13,962.00	55.13%		4,962.00
49	2209000000-E	838	Endwalls	107	CY	\$ 2,250.00	\$ 240,750.00	\$ 2,311.00	\$ 247,277.00	2.71%		6,527.00
50	2253000000-E	840	Pipe Collars Class B, STD 840.72	3.056	CY	\$ 2,500.00	\$ 7,640.00	\$ 1,729.00	\$ 5,283.82	-30.84%		2,356.18

**LOW BID and ESTIMATE COMPARISON  
BL-0007 PRIVATE FUNDS  
ECUSTA TRAIL HENDERSON COUNTY**



					ENGINEER'S ESTIMATE		BIDDER NHM		DIFF. FROM DIV. EST.		
51	2275000000-E	SP	Flowable Fill	5	CY	\$ 405.00	\$ 2,025.00	\$ 377.00	\$ 1,885.00	-6.91%	140.00
52	2286000000-N	840	Masonry Drainage Structures	30	EA	\$ 4,800.00	\$ 144,000.00	\$ 3,264.00	\$ 97,920.00	-32.00%	46,080.00
53	2364000000-N	840	Frame with 2 Grates, STD 840.16	18	EA	\$ 1,100.00	\$ 19,800.00	\$ 862.00	\$ 15,516.00	-21.64%	4,284.00
54	2367000000-E	840	Frame with 2 Grates, STD 840.29	5	EA	\$ 920.00	\$ 4,600.00	\$ 755.00	\$ 3,775.00	-17.93%	825.00
55	2374000000-N	840	Frame with Grate & Hood, Std. 840.03 Type E	2	EA	\$ 1,140.00	\$ 2,280.00	\$ 1,928.00	\$ 1,928.00	-15.44%	352.00
56	2549000000-E	846	2'-6" Concrete Curb & Gutter	75	LF	\$ 40.00	\$ 3,000.00	\$ 106.00	\$ 7,950.00	165.00%	4,950.00
57	2591000000-E	848	4" Concrete Sidewalk	310	SY	\$ 61.00	\$ 18,910.00	\$ 58.30	\$ 18,073.00	-4.43%	837.00
58	2605000000-N	848	Curb Ramps - Detectable Warning Surface	42	EA	\$ 2,240.00	\$ 94,080.00	\$ 954.50	\$ 40,089.00	-57.39%	53,991.00
59	2605000000-N	848	Concrete Curb Ramps	2	EA	\$ 2,900.00	\$ 5,800.00	\$ 3,181.50	\$ 6,363.00	9.71%	563.00
60	2761000000-E	848	Generic Paving Item - 8" Concrete for Detectable Warning Surface	250	SY	\$ 130.00	\$ 32,500.00	\$ 100.70	\$ 25,175.00	-22.54%	7,325.00
61	2444000000-N	852	Concrete Transitional Section for Catch Basin	8	EA	\$ 1,380.00	\$ 11,040.00	\$ 3,783.00	\$ 30,264.00	174.13%	19,224.00
62	2905000000-N	859	Convert Existing Drop Inlet to Junction Box	1	EA	\$ 2,800.00	\$ 2,800.00	\$ 2,460.00	\$ 2,460.00	-12.14%	340.00
63	3030000000-E	SP	Weathered Steel Beam Guardrail	1700	LF	\$ 28.00	\$ 47,600.00	\$ 37.10	\$ 63,070.00	32.50%	15,470.00
64	3150000000-N	SP	Additional Guardrail Posts, Weathered	5	EA	\$ 50.00	\$ 250.00	\$ 68.90	\$ 344.50	37.80%	94.50
65	3145000000-E	SP	Extra Length Guardrail Posts, Weathered	310	EA	\$ 95.46	\$ 29,592.60	\$ 93.30	\$ 28,923.00	-2.26%	669.60
66	3195000000-N	862	Painted Galvanized Guardrail End Units, Type AT-1	3	EA	\$ 915.00	\$ 2,745.00	\$ 1,962.00	\$ 5,886.00	114.43%	3,141.00
67	3288000000-N	862	Painted Galvanized Guardrail End Units, Type TL-2	7	EA	\$ 3,500.00	\$ 24,500.00	\$ 5,409.00	\$ 37,863.00	54.54%	13,363.00
68	3574000000-E	867	Generic Fencing Item - Reset Existing Fence	335	LF	\$ 10.00	\$ 3,350.00	\$ 26.50	\$ 8,877.50	165.00%	5,527.50
69	3574000000-E	867	Generic Fencing Item - Remove and Stockpile Existing Fence	1275	LF	\$ 20.00	\$ 25,500.00	\$ 10.60	\$ 13,515.00	-47.00%	11,985.00
70	3575000000-E	SP	Generic Fencing Item - Pedestrian Guard Rail	1000	LF	\$ 175.00	\$ 175,000.00	\$ 131.30	\$ 131,300.00	-24.97%	43,700.00
71	3575000000-E	SP	Generic Fencing Item - Pedestrian Safety Rail	4480	LF	\$ 150.00	\$ 672,000.00	\$ 131.30	\$ 588,224.00	-12.47%	83,776.00
72	3628000000-E	876	Rip Rap, Class I	335	Tons	\$ 73.00	\$ 24,455.00	\$ 64.30	\$ 21,540.50	-11.92%	2,914.50
73	3635000000-E	876	Rip Rap, Class II	2180	Tons	\$ 80.00	\$ 174,400.00	\$ 63.20	\$ 137,776.00	-21.00%	36,624.00
74	0220000000-E	SP	Rock Embankments	75	TON	\$ 75.00	\$ 5,625.00	\$ 202.00	\$ 15,150.00	169.33%	9,525.00
75	3642000000-E	876	Class A, Rip Rap	2.5	Tons	\$ 121.81	\$ 304.53	\$ 60.00	\$ 150.00	-50.74%	154.53
76	3649000000-E	876	Class B, Rip Rap	110	Tons	\$ 65.00	\$ 7,150.00	\$ 60.00	\$ 6,600.00	-7.69%	550.00
77	1077000000-E	SP	Stone for Erosion Control, #57	12.5	TON	\$ 78.65	\$ 983.13	\$ 45.00	\$ 562.50	-42.78%	420.63
78	3656000000-E	SP	Geotextile For Rock Embankments	60	SY	\$ 4.00	\$ 240.00	\$ 21.30	\$ 1,278.00	432.50%	1,038.00
79	3832000000-E	SP	Railroad Track To Be Removed	1187	LF	\$ 16.00	\$ 18,992.00	\$ 23.50	\$ 27,894.50	46.88%	8,902.50
80	4025000000-E	901	Contractor Furnished, Type E Sign	1468.5	SF	\$ 14.00	\$ 20,559.00	\$ 15.50	\$ 22,761.75	10.71%	2,202.75
81	4025000000-E	901	Contractor Furnished, Type F Sign	481.86	SF	\$ 14.00	\$ 6,746.04	\$ 21.50	\$ 10,359.99	53.57%	3,613.95
82	4072000000-E	903	Supports, 3-lb. Steel U-Channel	4032	LF	\$ 8.95	\$ 36,086.40	\$ 9.25	\$ 37,296.00	3.35%	1,209.60
83	4102000000-N	904	Sign Erection, Type E	287	EA	\$ 100.00	\$ 28,700.00	\$ 59.00	\$ 16,933.00	-41.00%	11,767.00
84	4108000000-N	904	Sign Erection, Type F	269	EA	\$ 150.00	\$ 40,350.00	\$ 69.00	\$ 18,561.00	-54.00%	21,789.00
85	4154000000-N	907	Disposal of Sign System, U-Channel	76	EA	\$ 15.00	\$ 1,140.00	\$ 22.00	\$ 1,672.00	46.67%	532.00
86	4445000000-E	1145	Barricades, Type III	6	LF	\$ 36.50	\$ 219.00	\$ 114.00	\$ 684.00	212.33%	465.00
87	4457000000-N	SP	Temporary Traffic Control	1	LS	\$ 190,867.50	\$ 190,867.50	\$ 153,296.00	\$ 153,296.00	-19.68%	37,571.50
88	4685000000-E	1205	Thermoplastic Pavement Marking Lines (4", 90 Mils)	6480	LF	\$ 1.70	\$ 11,016.00	\$ 2.90	\$ 18,792.00	70.59%	7,776.00
89	4695000000-E	1205	Thermoplastic Pavement Marking Lines (8", 90 Mils)	97	LF	\$ 3.00	\$ 291.00	\$ 6.00	\$ 582.00	100.00%	291.00
90	4700000000-E	1205	Thermoplastic Pavement Marking Lines (12", 90 Mils)	350	LF	\$ 2.80	\$ 980.00	\$ 8.70	\$ 3,045.00	210.71%	2,065.00
91	4710000000-E	1205	Thermoplastic Pavement Marking Lines (24", 90 Mils)	2218	LF	\$ 10.00	\$ 22,180.00	\$ 20.00	\$ 44,360.00	100.00%	22,180.00
92	4720000000-E	1205	Thermoplastic Pavement Marking Character (90 Mils)	33	EA	\$ 300.00	\$ 9,900.00	\$ 292.00	\$ 9,636.00	-2.67%	264.00
93	4725000000-E	1205	Thermoplastic Pavement Marking Symbol (90 Mils)	62	EA	\$ 180.00	\$ 11,160.00	\$ 186.00	\$ 11,532.00	3.33%	372.00
94	4726100000-E	1205	Bicycle Character (90 Mils)	40	EA	\$ 275.00	\$ 11,000.00	\$ 504.00	\$ 20,160.00	83.27%	9,160.00
95	4850000000-E	1205	Removal of Pavement Marking Lines, 4"	515	LF	\$ 1.50	\$ 772.50	\$ 2.20	\$ 1,133.00	46.67%	360.50
96	4870000000-E	1205	Removal of Pavement Marking Lines, 24"	652	LF	\$ 10.00	\$ 6,520.00	\$ 7.00	\$ 4,564.00	-30.00%	1,956.00
97	4875000000-N	1205	Removal of Pavement Marking Symbols & Characters	27	EA	\$ 110.00	\$ 2,970.00	\$ 91.00	\$ 2,457.00	-17.27%	513.00
98	3656000000-E	876	Geotextile for Drainage	4040	SY	\$ 4.00	\$ 16,160.00	\$ 5.00	\$ 20,200.00	25.00%	4,040.00
99	6000000000-E	1605	Temporary Silt Fence	60705	LF	\$ 3.50	\$ 212,467.50	\$ 4.20	\$ 254,961.00	20.00%	42,493.50
100	6006000000-E	1610	Stone for Erosion Control, Class A	1660	TON	\$ 75.00	\$ 124,500.00	\$ 43.80	\$ 72,708.00	-41.60%	51,792.00
101	6009000000-E	1610	Stone for Erosion Control, Class B	1225	TON	\$ 75.00	\$ 91,875.00	\$ 43.80	\$ 53,655.00	-41.60%	38,220.00
102	6012000000-E	1610	Sediment Control Stone	1235	TON	\$ 60.00	\$ 74,100.00	\$ 45.00	\$ 55,575.00	-25.00%	18,525.00
103	6015000000-E	1615	Temporary Mulching	17	Acres	\$ 1,075.00	\$ 18,275.00	\$ 1,786.00	\$ 30,362.00	66.14%	12,087.00
104	6018000000-E	1620	Seed for Temporary Seeding	1200	LB	\$ 4.05	\$ 4,860.00	\$ 6.30	\$ 7,560.00	55.56%	2,700.00
105	6021000000-E	1620	Fertilizer for Temporary Seeding	6	TON	\$ 1,800.00	\$ 10,800.00	\$ 1,996.00	\$ 11,976.00	10.89%	1,176.00
106	6024000000-E	1622	Temporary Slope Drains	400	LF	\$ 16.00	\$ 6,400.00	\$ 36.20	\$ 14,480.00	126.25%	8,080.00
107	6029000000-E	SP	Safety Fence	2340	LF	\$ 4.00	\$ 9,360.00	\$ 3.40	\$ 7,956.00	-15.00%	1,404.00
108	6030000000-E	1630	Silt Excavation	1360	CY	\$ 20.00	\$ 27,200.00	\$ 19.00	\$ 25,840.00	-5.00%	1,360.00
109	6038000000-E	SP	Permanent Soil Reinforcement Mat (Slope/Ditch Matting)	15000	SY	\$ 2.50	\$ 37,500.00	\$ 3.90	\$ 58,500.00	56.00%	21,000.00

**LOW BID and ESTIMATE COMPARISON  
BL-0007 PRIVATE FUNDS  
ECUSTA TRAIL HENDERSON COUNTY**



Item No.	Code	Quantity	Description	Unit	ENGINEER'S ESTIMATE				BIDDER		DIFF. FROM DIV. EST.	
					LF	EA	SY	Acres	NHM			
110	6042000000-E	1632	1/4" Hardware Cloth		4405	LF	\$ 6.00	\$ 26,430.00	\$ 7.00	\$ 30,835.00	16.67%	4,405.00
111	6070000000-N	1639	Special Stilling Basin		8	EA	\$ 1,154.18	\$ 9,233.44	\$ 639.00	\$ 5,112.00	-44.64%	4,121.44
112	6111000000-E	SP	Impervious Dike		285	LF	\$ 238.64	\$ 68,012.40	\$ 216.20	\$ 61,617.00	-9.40%	6,395.40
113	6048000000-E	SP	Floating Turbidity Curtain		985	SY	\$ 50.00	\$ 49,250.00	\$ 59.00	\$ 58,115.00	18.00%	8,865.00
114	6084000000-E	1660	Seeding & Mulching		15.5	Acres	\$ 3,300.00	\$ 51,150.00	\$ 2,731.00	\$ 42,330.50	-17.24%	8,819.50
115	6087000000-E	1660	Mowing		9.5	Acres	\$ 177.60	\$ 1,687.20	\$ 421.00	\$ 3,999.50	137.05%	2,312.30
116	6090000000-E	1661	Seed for Repair Seeding		250	LB	\$ 9.05	\$ 2,262.50	\$ 10.50	\$ 2,625.00	16.02%	362.50
117	6093000000-E	1661	Fertilizer for Repair Seeding		0.75	TON	\$ 1,565.00	\$ 1,173.75	\$ 2,521.00	\$ 1,890.75	61.09%	717.00
118	6096000000-E	1662	Seed for Supplemental Seeding		400	LB	\$ 6.65	\$ 2,660.00	\$ 6.30	\$ 2,520.00	-5.26%	140.00
119	6108000000-E	1665	Fertilizer Topdressing		10.75	Ton	\$ 1,185.00	\$ 12,738.75	\$ 1,891.00	\$ 20,328.25	59.58%	7,589.50
120	6114500000-N	1667	Specialized Hand Mowing		20	MHR	\$ 137.50	\$ 2,750.00	\$ 78.80	\$ 1,576.00	-42.69%	1,174.00
121	6117000000-N	1675	Response for Erosion Control		50	EA	\$ 215.00	\$ 10,750.00	\$ 410.00	\$ 20,500.00	90.70%	9,750.00
122	6117500000-N	SP	Concrete Washout Structure		39	EA	\$ 2,000.00	\$ 78,000.00	\$ 1,081.00	\$ 42,159.00	-45.95%	35,841.00
123	7048500000-E	1705	Pedestrian Signal Head (16", 1 Section w/ Countdown)		10	EA	\$ 1,320.00	\$ 13,200.00	\$ 1,166.60	\$ 11,666.00	-11.62%	1,534.00
124	7060000000-E	1705	Signal Cable		2275	LF	\$ 4.50	\$ 10,237.50	\$ 3.20	\$ 7,280.00	-28.89%	2,957.50
125	7120000000-E	1705	Vehicle Signal Head (12", 3 Section)		18	EA	\$ 1,320.00	\$ 23,760.00	\$ 1,166.60	\$ 20,998.80	-11.62%	2,761.20
126	7229000000-N	SP	APS Detector Station		10	EA	\$ 969.60	\$ 9,696.00	\$ 1,431.70	\$ 14,317.00	47.66%	4,621.00
127	7230000000-N	SP	Central Control Units for APS Detector Stations		2	EA	\$ 2,181.60	\$ 4,363.20	\$ 2,652.00	\$ 5,304.00	21.56%	940.80
128	7288000000-E	1715	Paved Trenching (1, 2")		92	LF	\$ 36.60	\$ 3,367.20	\$ 106.10	\$ 9,761.20	189.89%	6,394.00
129	7288000000-E	1715	Paved Trenching (4, 2")		35	LF	\$ 71.50	\$ 2,502.50	\$ 132.60	\$ 4,641.00	85.45%	2,138.50
130	7300000000-E	1715	Unpaved Trenching (1, 2")		43	LF	\$ 15.90	\$ 683.70	\$ 80.00	\$ 3,440.00	403.14%	2,756.30
131	7300000000-E	1715	Unpaved Trenching (4, 2")		658	LF	\$ 29.16	\$ 19,187.28	\$ 23.50	\$ 15,463.00	-19.41%	3,724.28
132	7301000000-E	1715	Direction Drill (1, 2")		80	LF	\$ 25.20	\$ 2,016.00	\$ 37.10	\$ 2,968.00	47.22%	952.00
133	7301000000-E	1715	Direction Drill (2, 2")		211	LF	\$ 31.80	\$ 6,709.80	\$ 48.00	\$ 10,128.00	50.94%	3,418.20
134	5326200000-E	1510	12" Ductile Iron Conduit		44	LF	\$ 106.58	\$ 4,689.52	\$ 451.00	\$ 19,844.00	323.16%	15,154.48
135	7324000000-N	1716	Junction Box (Standard Size)		12	EA	\$ 792.00	\$ 9,504.00	\$ 902.00	\$ 10,824.00	13.89%	1,320.00
136	7384000000-E	1722	1/2" Riser		2	EA	\$ 498.04	\$ 996.08	\$ 796.00	\$ 1,592.00	59.83%	595.92
137	7384000000-E	1722	2" Riser		1	EA	\$ 847.64	\$ 847.64	\$ 1,060.50	\$ 1,060.50	25.11%	212.86
138	7420000000-E	1722	2" Riser w/ Weatherhead		2	EA	\$ 706.37	\$ 1,412.74	\$ 1,273.00	\$ 2,546.00	80.22%	1,133.26
139	7444000000-E	1725	Inductive Loop Sawcut		1007	LF	\$ 14.80	\$ 14,903.60	\$ 15.00	\$ 15,105.00	1.35%	201.40
140	7456000000-E	1726	Lead-In Cable		2497	LF	\$ 3.49	\$ 8,714.53	\$ 2.90	\$ 7,241.30	-16.91%	1,473.23
141	7574500000-N	SP	Furnish Wireless Radio Modem		1	EA	\$ 2,457.00	\$ 2,457.00	\$ 3,182.00	\$ 3,182.00	29.51%	725.00
142	7575142010-N	1736	900MHz Serial/Ethernet Spread Spectrum Radio		3	EA	\$ 7,200.00	\$ 21,600.00	\$ 5,833.00	\$ 17,499.00	-18.99%	4,101.00
143	7574550000-N	SP	Furnish Wireless Lightning Arrestor		3	EA	\$ 208.00	\$ 624.00	\$ 531.00	\$ 1,593.00	155.29%	969.00
144	7566000000-N	1098	Delineator Marker		47	EA	\$ 150.00	\$ 7,050.00	\$ 266.00	\$ 12,502.00	77.33%	5,452.00
145	7588000000-N	SP	Metal Pole with Single Mast Arm		4	EA	\$ 35,387.70	\$ 141,550.80	\$ 22,271.00	\$ 89,084.00	-37.07%	52,466.80
146	7590000000-N	SP	Metal Pole with Dual Mast Arm		2	EA	\$ 44,680.00	\$ 89,360.00	\$ 33,936.00	\$ 67,872.00	-24.05%	21,488.00
147	7613000000-N	SP	Soil Test		3	EA	\$ 2,064.00	\$ 6,192.00	\$ 2,652.00	\$ 7,956.00	28.49%	1,764.00
148	7614100000-E	SP	Drilled Pier Foundation		45	CY	\$ 1,349.76	\$ 60,739.20	\$ 1,220.00	\$ 54,900.00	-9.61%	5,839.20
149	7631000000-N	SP	Mast Arm with Metal Pole Design		3	EA	\$ 516.00	\$ 1,548.00	\$ 531.00	\$ 1,593.00	2.91%	45.00
150	7980000000-N	SP	Protective Coating for Single Mast Arm Pole (Hunter Green)		1	EA	\$ 1,595.00	\$ 1,595.00	\$ 4,242.00	\$ 4,242.00	165.96%	2,647.00
151	7980000000-N	SP	Protective Coating for Dual Mast Arm Pole (Hunter Green)		1	EA	\$ 2,090.00	\$ 2,090.00	\$ 4,773.00	\$ 4,773.00	128.37%	2,683.00
152	7980000000-N	SP	Protective Coating for Signal Pedestal (Hunter Green)		4	EA	\$ 110.00	\$ 440.00	\$ 266.00	\$ 1,064.00	141.82%	624.00
153	7636000000-N	1745	Sign For Signals		26	EA	\$ 660.00	\$ 17,160.00	\$ 319.00	\$ 8,294.00	-51.67%	8,866.00
154	7642100000-N	1743	Type I Post with Foundation		1	EA	\$ 1,653.00	\$ 1,653.00	\$ 3,182.00	\$ 3,182.00	92.50%	1,529.00
155	7642200000-N	1743	Type II Pedestal with Foundation		6	EA	\$ 2,784.00	\$ 16,704.00	\$ 4,242.00	\$ 25,452.00	52.37%	8,748.00
156	7684000000-N	1750	Signal Cabinet Foundation		2	EA	\$ 2,652.00	\$ 5,304.00	\$ 2,652.00	\$ 5,304.00	0.00%	0.00
157	7756000000-N	1751	Controller with Cabinet (Type 2070LX, Base Mounted)		2	EA	\$ 18,840.00	\$ 37,680.00	\$ 29,694.00	\$ 59,388.00	57.61%	21,708.00
158	7780000000-N	1751	Detector Card, Type 170		7	EA	\$ 145.20	\$ 1,016.40	\$ 319.00	\$ 2,233.00	119.70%	1,216.60
159	7912000000-N	1755	Beacon Controller Assembly & Cabinet (RRFB w Thermal Detection and Radio Communication)		2	EA	\$ 54,000.00	\$ 108,000.00	\$ 13,787.00	\$ 27,574.00	-74.47%	80,426.00
160	7980000000-N	SP	Generic Signal Item - Remove and Stockpile Railroad Signal Structure		7	EA	\$ 6,000.00	\$ 42,000.00	\$ 3,182.00	\$ 22,274.00	-46.97%	19,726.00
161	8802012000-E	SP	Soldier Pile Retaining Wall - No. 1		1982	SF	\$ 250.00	\$ 495,500.00	\$ 509.30	\$ 1,009,432.60	103.72%	513,932.60
162	8802012000-E	SP	Soldier Pile Retaining Wall - No. 2		144	SF	\$ 300.00	\$ 43,200.00	\$ 713.80	\$ 102,787.20	137.93%	59,587.20
163	8021000000-N	402	Removal of Existing Structure		6	EA	\$ 8,500.00	\$ 51,000.00	\$ 23,405.00	\$ 140,430.00	175.35%	89,430.00
164	8065000000-N	SP	Asbestos Assessment		1	LS	\$ 32,000.00	\$ 32,000.00	\$ 8,181.00	\$ 8,181.00	-74.43%	23,819.00
165	8070000000-E	410	Foundation Excavation for End Bent		451	CY	\$ 35.75	\$ 16,123.25	\$ 55.40	\$ 24,985.40	54.97%	8,862.15
166	8121000000-N	412	Unclassified Structure Excavation		382	CY	\$ 51.70	\$ 19,749.40	\$ 55.40	\$ 21,162.80	7.16%	1,413.40
167	8182000000-E	420	Class A Concrete, Bridge		137	CY	\$ 3,337.50	\$ 457,237.50	\$ 1,121.80	\$ 153,686.60	-66.39%	303,550.90
168	8217000000-E	425	Reinforcing Steel, Bridge		12990	LB	\$ 3.78	\$ 49,102.20	\$ 2.90	\$ 37,671.00	-23.28%	11,431.20



**LOW BID and ESTIMATE COMPARISON  
BL-0007 PRIVATE FUNDS  
ECUSTA TRAIL HENDERSON COUNTY**



						ENGINEER'S ESTIMATE		BIDDER NHM		DIFF. FROM DIV. EST.	
169	8096000000-E	450	Pile Excavation, In Soil	82	LF	\$ 383.74	\$ 31,466.68	\$ 1,331.50	\$ 109,183.00	246.98%	77,716.32
170	8096000000-E	450	Pile Excavation, Not In Soil	70	LF	\$ 597.50	\$ 41,825.00	\$ 1,358.80	\$ 95,116.00	127.41%	53,291.00
171	8328200000-E	450	Pile Driving Equipment Setup for Steel Piles, HP12X53	29	EA	\$ 5,500.00	\$ 159,500.00	\$ 1,488.40	\$ 43,163.60	-72.94%	116,336.40
172	8364000000-E	450	HP12X53 Piles	800	LF	\$ 130.37	\$ 104,296.00	\$ 43.60	\$ 34,880.00	-66.56%	69,416.00
173	8391000000-N	450	Steel Pile Points	8	EA	\$ 430.25	\$ 3,441.96	\$ 179.50	\$ 1,436.00	-58.28%	2,005.96
174	8590000000-E	876	Rip Rap, Class II	462	Tons	\$ 80.00	\$ 36,960.00	\$ 103.50	\$ 47,817.00	29.38%	10,857.00
175	8622000000-E	876	Geotextile for Drainage, Structures	507	SY	\$ 4.00	\$ 2,028.00	\$ 8.40	\$ 4,258.80	110.00%	2,230.80
176	8897000000-N	SP	Generic Structure Item - Structure 11	1	EA	\$ 114,400.00	\$ 114,400.00	\$ 100,859.00	\$ 100,859.00	-11.84%	13,541.00
177	8897000000-N	SP	Generic Structure Item - Structure 12	1	EA	\$ 126,400.00	\$ 126,400.00	\$ 111,083.00	\$ 111,083.00	-12.12%	15,317.00
178	8897000000-N	SP	Generic Structure Item - Structure 13	1	EA	\$ 57,500.00	\$ 57,500.00	\$ 54,072.00	\$ 54,072.00	-5.96%	3,428.00
179	8897000000-N	SP	Generic Structure Item - Structure 14	1	EA	\$ 56,100.00	\$ 56,100.00	\$ 49,115.00	\$ 49,115.00	-12.45%	6,985.00
180	8897000000-N	SP	Generic Structure Item - Structure 15	1	EA	\$ 107,200.00	\$ 107,200.00	\$ 95,168.00	\$ 95,168.00	-11.22%	12,032.00
181	8897000000-N	SP	Generic Structure Item - Structure 16	1	EA	\$ 96,800.00	\$ 96,800.00	\$ 90,210.00	\$ 90,210.00	-6.81%	6,590.00
182	0000915000-N	SP	Generic Miscellaneous Item - Boulder	6	EA	\$ 429.00	\$ 2,574.00	\$ 2,157.00	\$ 12,942.00	402.80%	10,368.00
						<b>CONTRACT TOTAL</b>	<b>\$ 10,525,587.08</b>	<b>TOTAL</b>	<b>\$ 10,126,120.00</b>	<b>-3.80%</b>	<b>\$81,793.78</b>