



# PLANNING ESTIMATE

## FY2025 BUILD GRANT APPLICATION: ABOVE THE MUD

Alta Engineering SE, PLLC  
NC License #P-1301

LOCATION: COMPONENT 1: ABOVE THE MUD TRAIL  
DESCRIPTION: 4800 LF 10FT WIDE ASPHALT GREENWAY ALONG MUD CREEK FROM S. MAIN ST TO 4TH AVENUE EAST

**TOTAL LENGTH:** 0.9 MILE

CITY: HENDERSONVILLE, NC COUNTY: HENDERSON

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
DESC. NO.	SECT. NO.					
0000100000-N	800	MOBILIZATION	1	LS	\$125,000.00	\$125,000.00
0000400000-N	801	CONSTRUCTION SURVEYING	1	LS	\$43,000.00	\$43,000.00
0043000000-N	226	GRADING	1	LS	\$390,000.00	\$390,000.00
0008000000-E	200	SUPPLEMENTARY CLEARING & GRUBBING	0.4	ACR	\$15,000.00	\$5,400.00
0134000000-E	240	DRAINAGE DITCH EXCAVATION	84	CY	\$22.17	\$1,862.28
0223000000-E	275	ROCK PLATING	174	SY	\$122.00	\$21,228.00
0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	69	TON	\$45.97	\$3,171.93
0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	192	SY	\$4.80	\$921.60
0354000000-E	310	24" RC PIPE CULVERT, CLASS V	190	LF	\$153.00	\$29,070.00
2190000000-N	828	TEMPORARY STEEL PLATE COVERS	1	EA	\$2,085.00	\$2,085.00
1121000000-E	520	AGGREGATE BASE COURSE	2,160	TON	\$55.00	\$118,800.00
1220000000-E	545	INCIDENTAL STONE BASE	49	TON	\$43.67	\$2,148.56
1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	610	TON	\$145.00	\$88,450.00
1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	40	TON	\$900.00	\$36,000.00
1693000000-E	654	PATCHING EXISTING PAVEMENT - ASPHALT CONC SURFACE COURSE TYPE S9.5B	21	TON	\$204.53	\$4,295.13
1693000000-E	654	ASPHALT BINDER FOR PLANT MIX (PATCHING EXISTING PAVEMENT)	10	TON	\$900.00	\$9,180.00
2209000000-E	838	ENDWALLS	2	CY	\$3,500.00	\$7,000.00
2253000000-E	840	PIPE COLLARS CLASS B, STD 840.72	3	CY	\$1,031.33	\$3,093.99
2286000000-N	840	MASONRY DRAINAGE STRUCTURES	2	EA	\$4,100.00	\$8,200.00
2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	2	EA	\$1,004.00	\$2,008.00
2605000000-N	848	CONCRETE CURB RAMP	6	EA	\$3,510.50	\$21,063.00
3574000000-E	867	GENERIC FENCING ITEM - PEDESTRIAN GUARD RAIL	1,800	LF	\$198.10	\$356,580.00
3628000000-E	876	RIP RAP, CLASS I	90	TON	\$66.10	\$5,949.00
3635000000-E	876	RIP RAP, CLASS II	485	TON	\$65.07	\$31,558.95
0220000000-E	SP	ROCK EMBANKMENTS	10	TON	\$121.67	\$1,241.03
3642000000-E	876	RIP RAP, CLASS A	15	TON	\$120.00	\$1,800.00
3649000000-E	876	RIP RAP, CLASS B	30	TON	\$56.00	\$1,680.00
1077000000-E	SP	STONE FOR EROSION CONTROL, #57	20	TON	\$54.33	\$1,086.60
3656000000-E	876	GEOTEXTILE FOR ROCK EMBANKMENTS	12	SY	\$10.43	\$125.16
4025000000-E	901	CONTR FURN, ***SIGN (E)	144	SF	\$20.00	\$2,880.00
4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	200	LF	\$12.00	\$2,400.00
4102000000-N	904	SIGN ERECTION, TYPE E	16	EA	\$100.00	\$1,600.00
4445000000-E	1145	BARRICADES (TYPE III)	5	LF	\$91.33	\$456.65
4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	1	LS	\$30,000.00	\$30,000.00
4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	180	LF	\$12.00	\$2,160.00
8622000000-E	876	GEOTEXTILE FOR DRAINAGE	610	SY	\$4.83	\$2,946.30
6000000000-E	1605	TEMPORARY SILT FENCE	9,600	LF	\$4.90	\$47,040.00
6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	310	TON	\$47.93	\$14,858.30
6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	200	TON	\$47.93	\$9,586.00
6012000000-E	1610	SEDIMENT CONTROL STONE	200	TON	\$46.67	\$9,334.00
6015000000-E	1615	TEMPORARY MULCHING	2.85	ACR	\$1,828.67	\$5,211.71
6018000000-E	1620	SEED FOR TEMPOARY SEEDING	190	LB	\$5.77	\$1,096.30

6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1.35	TON	\$1,898.67	\$2,563.20	
6024000000-E	1622	TEMPORARY SLOPE DRAINS	115	LF	\$38.73	\$4,453.95	
6029000000-E	SP	SAFETY FENCE	370	LF	\$3.88	\$1,435.60	
6030000000-E	1630	SILT EXCAVATION	220	CY	\$18.33	\$4,032.60	
6038000000-E	SP	PERMANENT SOIL REINFORCEMETN MAT (SLOPE/DITCH MATTING)	2,000	SY	\$4.55	\$9,100.00	
6042000000-E	1632	1/4" HARDWARE CLOTH	670	LF	\$6.33	\$4,241.10	
6070000000-N	1639	SPECIAL STILLING BASINS	1	EA	\$879.67	\$879.67	
6111000000-E	SP	IMPERVIOUS DIKE	160	LF	\$109.40	\$17,504.00	
6048000000-E	SP	FLOATING TURBIDITY CURTAIN	300	SY	\$44.33	\$13,299.00	
6084000000-E	1660	SEEDING & MULCHING	2.85	ACR	\$2,877.00	\$8,199.45	
6087000000-E	1660	MOWING	2	ACR	\$310.33	\$620.66	
6090000000-E	1661	SEED FOR REPAIR SEEDING	40	LB	\$10.50	\$420.00	
6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.21	TON	\$2,373.67	\$498.47	
6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	80	LB	\$9.77	\$781.60	
6108000000-E	1665	FERTILIZER TOPDRESSING	2.1	TON	\$1,897.00	\$3,983.70	
6114500000-N	1667	SPECIALIZED HAND MOWING	3.3	MNR	\$84.60	\$279.18	
6117000000-N	SP	RESPONSE FOR EROSION CONTROL	9	EA	\$383.33	\$3,449.97	
6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	6	EA	\$760.33	\$4,561.98	
7912000000-N	1755	BEACON CONTROLLER ASSEMBLY & CABINET (RRFB w/ THERMAL DETECTION AND RADIO COMMUNICATION	4	EA	\$13,695.67	\$54,782.68	
8077000000-E	410	FOUNDATION EXCAVATION FOR END BENT	90	CY	\$72.47	\$6,522.30	
8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION	80	CY	\$72.47	\$5,797.60	
8182000000-E	420	CLASS A CONCRETE (BRIDGE)	50	CY	\$2,907.27	\$145,363.50	
8217000000-E	425	REINFORCING STEEL (BRIDGE)	4,330	LB	\$3.63	\$15,717.90	
8096000000-E	450	PILE EXCAVATION, IN SOIL	30	LF	\$880.50	\$26,415.00	
8096000000-E	450	PILE EXCAVATION, NOT IN SOIL	10	LF	\$889.60	\$8,896.00	
8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR STEEL PILES, HP 12X53	10	EA	\$663.13	\$6,631.30	
8364000000-E	450	HP12X53 PILES	270	LF	\$127.87	\$34,524.90	
8391000000-N	450	STEEL PILE POINTS	4	EA	\$216.50	\$866.00	
8590000000-E	876	RIP RAP, CLASS II	160	TON	\$101.17	\$16,187.20	
8622000000-E	876	GEOTEXTILE FOR DRAINAGE, STRUCTURES	170	SY	\$9.47	\$1,609.90	
8897000000-N	SP	GENERIC STRUCTURE ITEM - STRUCTURE 12	2	EA	\$109,361.00	\$218,722.00	
00009150000-N	SP	GENERIC MISCELLANEOUS ITEM - BOULDER	55	EA	\$2,385.67	\$131,211.85	
<b>CONSTRUCTION COST SUBTOTAL (2024)</b>						<b>\$2,320,000.00</b>	
				INFLATION FACTOR	4 YRS	6%	\$609,000.00
<b>CONSTRUCTION ESCALATED (2028) - ROUNDED</b>						<b>\$2,929,000.00</b>	
				ENVIRONMENTAL		5%	\$147,000.00
				PRELIMINARY ENGINEERING		6%	\$176,000.00
				FINAL ENGINEERING		9%	\$264,000.00
				CONSTRUCTION INSPECTION & MANAGEMENT		20%	\$586,000.00
				ADMINISTRATION FEE		10%	\$293,000.00
<b>ENGINEERING &amp; MANAGEMENT TOTAL</b>						<b>\$1,466,000.00</b>	
				UTILITY	\$10K PER POLE + \$30/LF		\$105,000.00
<b>UTILITY TOTAL</b>						<b>\$105,000.00</b>	
				ROW	\$200K/ACRE min		\$200,000.00
<b>ROW TOTAL</b>						<b>\$200,000.00</b>	
				CONTINGENCY		20%	\$940,000.00
<b>COMPONENT 1 COST ESTIMATE - Rounded</b>						<b>\$5,640,000.00</b>	

NOTE:

ESTIMATE IS NOT BASED ON AN ENGINEERING DESIGN, AND IS FOR PLANNING PURPOSES ONLY.

UNDERGROUND UTILITY COORDINATION/RELOCATION COSTS UNKNOWN AND NOT INCLUDED.

QUANTITIES AND PRICES TAKEN FROM COST ESTIMATE FOR "GREENWAY: 4TH AVENUE SIDEWALK RAIL-W-TRAIL" BY "TRAFFIC PLANNING AND DESIGN, INC.", AND ADJUSTED BY ALTA PLANNING+ DESIGN TO OMIT THE SEGMENT FROM 4TH AVENUE EAST AT MUD CREEK TO THE RAILROAD INTERSECTION OF 7TH AVENUE EAST. VALUES DENOTED IN RED HAVE BEEN AMENDED BY ALTA PLANNING + DESIGN.

COMPUTED BY \_\_\_\_\_ CJA  
DATE \_\_\_\_\_ 12/13/2024



## PLANNING ESTIMATE

### FY2025 BUILD GRANT APPLICATION: ABOVE THE MUD

LOCATION: COMPONENT 2: 7th AVE STREETScape IMPROVEMENTS (PHASE II AND III)

DESCRIPTION: 2140 10FT CONCRETE SIDEWALK/BRICK REPLACEMENT ALONG 7TH AVENUE FROM BLUE RIDGE SOUTHERN RAILROAD TO CHERRY STREET (BOTH SIDES)

2000 6FT SIDEWALK REPLACING EXISTING ALONG 7TH AVENUE FROM CHERRY STREET TO THE OKLAWAHA GREENWAY (BOTH SIDES), INCLUDING PLACEMENT OF CURB WHERE MISSING OR ROAD IS WIDER THAN 40FT

CURB RAMP AND DRIVEWAY IMPROVEMENTS FOR ADA, CURB BUMPOUTS AND BRICK CROSSWALKS AT INTERSECTIONS

EV CHARGERS AND ADDITIONAL PEDESTRIAN STREET LIGHTING (RAILROAD TO CHERRY STREET ONLY)

SILVACELL GREEN INFRASTRUCTURE WITH TREES (WITH TREE GRATES BETWEEN RAILROAD AND CHERRY ST) ALONG FULL ROADWAY LENGTH

LANDSCAPING AND IRRIGATION (FROM RAILROAD TO CHERRY STREET ONLY)

RRFB'S, SIGNAL IMPROVEMENTS, AND RAILROAD CROSSING IMPROVEMENTS AT INTERSECTIONS NOTED BELOW

ROAD RESURFACING FOR THE FULL ROADWAY, INCLUDING STRIPING BUFFERED BIKE LANES OR SHARED LANE MARKINGS WITHIN EX ROAD WIDTH FROM CHERRY STREET TO OKLAWAHA GREENWAY

**TOTAL LENGTH: 0.4 MILE**

CITY: HENDERSONVILLE, NC COUNTY: HENDERSON

ITEM NO.		BUILD ASK ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
DESC. NO.	SECT. NO.					
0000100000-N	800	MOBILIZATION	1	LS	\$197,000.00	\$197,000.00
0000400000-N	801	CONSTRUCTION SURVEYING	1	LS	\$19,000.00	\$19,000.00
0043000000-N	226	GRADING (INCLUDING PAVEMENT REMOVALS)	1	LS	\$320,000.00	\$320,000.00
1121000000-E	520	AGGREGATE BASE COURSE	1,060	TON	\$50.00	\$53,000.00
2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	2,600	LF	\$50.00	\$130,000.00
2591000000-E	848	4" CONCRETE SIDEWALK	3,800	SY	\$75.00	\$285,000.00
2605000000-N	848	CONCRETE CURB RAMP	36	EA	\$3,500.00	\$126,000.00
2612000000-E	848	6" CONCRETE DRIVEWAY	1,190	SY	\$125.00	\$148,750.00
4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	1	LS	\$160,000.00	\$160,000.00
		BRICK SIDEWALK	5,560	SF	\$15.00	\$83,400.00
		BRICK CROSSWALK	9,600	SF	\$20.00	\$192,000.00
		RECTANGULAR RAPID FLASHING BEACON CROSSING (EA SIGN)	10	EA	\$12,500.00	\$125,000.00
		ELECTRICAL UNDERGROUND CONDUIT FOR LIGHTING AND EV CHARGERS (UPGRADE EXISTING SYSTEM) (WEST OF CHERRY STREET ONLY)	2,140	LF	\$50.00	\$107,000.00
		EV LEVEL 2 CHARGERS FOR STREET PARKING	5	EA	\$5,000.00	\$25,000.00
		DECORATIVE STREET LAMPS (WEST OF CHERRY STREET ONLY)	38	EA	\$3,000.00	\$112,500.00
		TREE GRATE	70	EA	\$2,300.00	\$161,000.00
		SILVA CELLS GREEN INFRASTRUCTURE AND TREE	1	LS	\$525,000.00	\$525,000.00
		IRRIGATION	1	LS	\$45,000.00	\$45,000.00
		LANDSCAPING	1	LS	\$180,000.00	\$180,000.00
		TRAFFIC SIGNAL IMPROVEMENT ASHE ST AND 7TH AVE (ADD PEDESTRIAN SIGNALS WITH LPI ALL 4 LEGS)	1	LS	\$45,000.00	\$45,000.00
		AT-GRADE RAILROAD CROSSING - ADDITIONAL PEDESTRIAN CROSSING AND OTHER REQUIRED UPGRADES (PER INTERSECTION)	1	LS	\$200,000.00	\$200,000.00
		DRAINAGE ALLOWANCE	1	LS	\$95,000.00	\$95,000.00
		MINOR ITEMS (5%)	1	LS	\$160,000.00	\$160,000.00
<b>CONSTRUCTION COST SUBTOTAL (2024)</b>						<b>\$3,495,000.00</b>
			INFLATION FACTOR	4 YRS	6%	\$918,000.00
<b>CONSTRUCTION ESCALATED (2028) - ROUNDED</b>						<b>\$4,413,000.00</b>
PRELIMINARY ENGINEERING					6%	\$265,000.00
FINAL ENGINEERING					9%	\$398,000.00
CONSTRUCTION INSPECTION & MANAGEMENT					20%	\$883,000.00
NCDOT ADMINISTRATION FEE					10%	\$442,000.00
<b>ENGINEERING &amp; MANAGEMENT TOTAL</b>						<b>\$1,988,000.00</b>
<b>UTILITY RELOCATIONS/ADJUSTMENTS</b>						<b>\$55,000.00</b>
<b>CONTINGENCY</b>						<b>\$1,292,000.00</b>
<b>TOTAL BUILD ASK COMPONENT 2 PROJECT COST (ROUNDED)</b>						<b>\$7,700,000.00</b>

ITEM NO.		CITY MATCH ITEM DESCRIPTION (FOR ROAD RESURFACING)	QUANTITY	UNIT	UNIT PRICE	AMOUNT
DESC. NO.	SECT. NO.					
0000100000-N	800	MOBILIZATION	1	LS	\$21,000.00	\$21,000.00
1275000000-E	600	PRIME COAT	4,430	GAL	\$12.50	\$55,375.00
1297000000-E	607	MILLING ASPHALT PAVEMENT, 2" DEPTH	8,900	SY	\$7.50	\$66,750.00
1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	1,000	TON	\$150.00	\$150,000.00
1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	60	TON	\$900.00	\$54,000.00
		MINOR ITEMS (5%)	1	LS	\$20,000.00	\$20,000.00
<b>CONSTRUCTION COST SUBTOTAL (2024)</b>						<b>\$368,000.00</b>
PRELIMINARY ENGINEERING					6%	\$23,000.00
FINAL ENGINEERING					9%	\$34,000.00
CONSTRUCTION INSPECTION & MANAGEMENT					20%	\$74,000.00
<b>ENGINEERING &amp; MANAGEMENT TOTAL</b>						<b>\$131,000.00</b>
<b>CONTINGENCY</b>					20%	<b>\$100,000.00</b>
<b>TOTAL CITY MATCH COMPONENT 2 PROJECT COST (ROUNDED)</b>						<b>\$600,000.00</b>

<b>TOTAL COMPONENT 2 PROJECT COST (ROUNDED)</b>						<b>\$8,300,000.00</b>
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COMPUTED BY \_\_\_\_\_ CJA  
DATE \_\_\_\_\_ 12/23/2024



**PLANNING ESTIMATE**  
**FY2025 BUILD GRANT APPLICATION: ABOVE THE MUD**

LOCATION: Component 3: Festival Street

DESCRIPTION: 700 lf of street conversion to a sidewalk level plaza street along S Main St from S. Caswell Dr. to W. Allen St. Improvements include full road and sidewalk pavement replacement with permeable pavers, and other items as listed below.

**TOTAL LENGTH: 0.3 MILE**

CITY: HENDERSONVILLE, NC COUNTY: HENDERSON HENDERSON

ITEM	DESCRIPTION	RS Means Division	SECTION #	QUANTITY	UNITS	TOTAL UNIT PRICE	MATCH AMOUNT	AMOUNT
1	Mobilization			1	LS	\$ 250,000.00		\$ 250,000.00
2	Construction Surveying			1	LS	\$ 14,000.00		\$ 14,000.00
3	Demolition - Asphalt	241	24113.17	9300	SY	\$ 6.10		
4	Demolition - Concrete Curbs	241	24113.17	3200	LF	\$ 4.60		
5	Demolition - Concrete Sidewalk	241	24113.17	23800	SF	\$ 1.65		
6	Demolition			1	LS	\$ 450,000.00		\$ 450,000.00
7	Grading - Rough	3122	312213.2	1	EA	\$ 5,430.00		
8	Grading - Fine	3122	312216.1	12889	SY	\$ 0.81		
9	Grading			1	LS	\$ 52,500.00		\$ 52,500.00
10	Excavation			3000	CY	\$ 40.00		\$ 120,000.00
11	Fill - CABC			100	TN	\$ 50.00		\$ 5,000.00
12	Fill - Washed Stone, for Permeable Pavers	3123	312323.15	100	CY	\$ 75.00		\$ 7,500.00
13	Filter Fabric	3341	334123.19	0	SY	\$ 2.20		\$ -
14	Silva Cells			1	LS	\$ 225,000.00		\$ 225,000.00
15	Storm Drainage - 15" HDPE Pipe	3342	334211.5	1700	LF	\$ 100.00		\$ 170,000.00
16	Storm Drainage Structures			12	EA	\$ 4,000.00		\$ 48,000.00
17	Electrical			1	LS	\$ 250,000.00		\$ 250,000.00
18	Electrical Panels			2	EA	\$ 8,000.00	\$ 16,000.00	
19	Water mains	3314	331413.15	800	LF	\$ 125.00	\$ 100,000.00	
20	Water service laterals	3314	331413.25	8	EA	\$ 3,000.00	\$ 24,000.00	
21	Irrigation			1	LS	\$ 50,000.00	\$ 50,000.00	
22	Gate Valves			6	EA	\$ 3,000.00	\$ 18,000.00	
23	Fire Hydrant			4	EA	\$ 11,000.00	\$ 44,000.00	
24	Permeable Pavers			30300	SF	\$ 25.00		\$ 757,500.00
24	Concrete Sidewalk			46000	SF	\$ 16.00		\$ 736,000.00
25	Curbs and Valley Gutters			2100	LF	\$ 30.00		\$ 63,000.00
26	Curb Ramps			24	EA	\$ 3,500.00		\$ 84,000.00
27	Decorative Lamps			45	EA	\$ 3,000.00		\$ 135,000.00
28	Street Furniture			1	LS	\$ 150,000.00		\$ 150,000.00
29	Traffic Signaling			1	LS	\$ 250,000.00		\$ 250,000.00
30	Tree Grates			48	EA	\$ 2,300.00		\$ 110,400.00
31	Softscape			1	LS	\$ 225,000.00		\$ 225,000.00
32	Hardscape			0	LS	\$ 500,000.00		\$ -
33	Bollards - Crash Rated			32	EA	\$ 8,000.00		\$ 256,000.00
34	ADA Transition Improvements (Caswell South)			1	LS	\$200,000	\$ 200,000.00	
35	Temporary Traffic Control			1	LS	\$ 70,000.00		\$ 70,000.00
36	Minor Items (5%)			1	LS	\$ 210,000.00		\$ 210,000.00
<b>CONSTRUCTION COST SUBTOTAL (2024)</b>							\$452,000.00	\$4,639,000.00
INFLATION FACTOR				4	YRS	6%	\$119,000.00	\$1,218,000.00
<b>CONSTRUCTION ESCALATED (2028) - ROUNDED</b>							\$571,000.00	\$5,857,000.00
PRELIMINARY ENGINEERING						6%	\$35,000.00	\$352,000.00
FINAL ENGINEERING						9%	\$52,000.00	\$528,000.00
CONSTRUCTION INSPECTION & MANAGEMENT						20%	\$115,000.00	\$1,172,000.00
ADMINISTRATION FEE						10%	\$58,000.00	\$586,000.00
<b>ENGINEERING &amp; MANAGEMENT TOTAL</b>							\$260,000.00	\$2,638,000.00
<b>UTILITY RELOCATION</b>								\$100,000.00
<b>CONTINGENCY</b>						20%	\$167,000.00	\$1,719,000.00
<b>TOTAL COMPONENT 3 PROJECT COST (ROUNDED)</b>							\$1,000,000.00	\$10,400,000.00

NOTE: ESTIMATE IS NOT BASED ON AN ENGINEERING DESIGN, AND IS FOR PLANNING PURPOSES ONLY.

EXCLUDES RIGHT-OF-WAY ACQUISITION COSTS.

SIGNAL WORK ASSUMES IMPROVEMENT LISTED ONLY, AND EXCLUDES OTHER SIGNAL UPGRADE WORK THAT MAY BE REQUIRED.

COORDINATION/RELOCATION COSTS UNKNOWN

QUANTITIES AND PRICES TAKEN FROM COST ESTIMATE PROVIDED BY THE CITY OF HENDERSONVILLE, NC, AND ADJUSTED BY ALTA PLANNING+ DESIGN. VALUES DENOTED IN RED HAVE BEEN AMENDED BY ALTA PLANNING + DESIGN.

				MODIFIED BY				CJA
				DATE				12/13/2024



**WGLA Engineering, PLLC**  
Consulting Engineers and Land Planners

**DRAFT**

**Preliminary Cost Estimate**  
**Oklawaha Greenway Improvements**

Date: 04/23/21

Project #: 21119

<u>Item</u>	<u>Quan.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Price</u>
Clearing and Grubbing	1	LS	\$40,000.00	\$40,000.00
Import Fill Material	2,600	CY	\$35.00	\$91,000.00
Stone Base	600	TN	\$35.00	\$21,000.00
Asphalt Pavement (2" S9.5B)	1,350	SY	\$25.00	\$33,750.00
Repair and Overlay Existing Greenway	850	SY	\$25.00	\$21,250.00
Storm Drainage Piping (elliptical Cross Pipes)	400	LF	\$110.00	\$44,000.00
Geogrid for Stabilization	1,000	SY	\$15.00	\$15,000.00
Stone for Stabilization	1,500	TN	\$35.00	\$52,500.00
Erosion Control Measures	1	LS	\$25,000.00	\$25,000.00
Matting and Final Stabilization	1	LS	\$30,000.00	\$30,000.00
Haul Off of Unsuitable Materials	1,000	CY	\$20.00	\$20,000.00
Cut Material (for floodway compensatory storage)	2,600	CY	\$35	\$91,000
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				<b>\$393,500.00</b>
<small>Escalated Construction Cost (4 yrs at 6%)</small>				<small>\$484,500</small>
Contingency (10%) <del>20%</del>				<del>\$39,350.00</del> <small>\$612,000</small>
Surveying				\$5,000.00
Engineering, Design & Permitting				<del>\$25,500.00</del> <small>\$110,000</small>
<del>Bidding Assistance &amp; Construction Observation</del> <small>Construction Administration and Management</small>				<del>\$12,500.00</del> <small>\$147,000</small>
401/404 Permitting				\$40,000.00
Mitigation for Wetland Impacts				\$65,000.00
Hydraulic & Flood Studies				\$20,000.00
NCDOT Administration Fee (10%)				\$74,000

**TOTAL COMPONENT 4 PROJECT COST (ROUNDED):** **\$1,196,000**