APPENDIX D

Cost Estimates

1. Conceptual Cost Estimate

CONCEPTUAL COST ESTIMATE

Garlington Road Corridor Improvements

GREENVILLE, SC

Prepared by Mead & Hunt, Inc. March, 2024

TOTAL PROJECT LENGTH OF ROADWAY 4.242 MILES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	ITEM COST
	ROADWAY CONSTRUCTION COSTS				
1	MOBILIZATION	1	LS	5.0%	$1,060,791.14
2	BONDS AND INSURANCE	1	LS	1.0%	$210,057.65
3	CPM PROJECT SCHEDULE	1	LS	$10,000.00	$10,000.00
4	CONST. STAKES, LINES & GRADES	1	LS	$112,000.00	$112,000.00
5	MOVING ITEMS	1	LS	$200,000.00	$200,000.00
6	CLEARING AND GRUBBING?	1	LS	$50,000.00	$50,000.00
7	TRAFFIC CONTROL	1	LS	$1,900,000.00	$1,900,000.00
8	2023000 - REMOVAL OF EXIST. PAVEMENT	9,683	SY	$30.00	$290,500.00
9	2024100 - REMOVAL OF EXIST. CURB	3,375	LF	$20.00	$67,500.00
10	2027000 - REMOVAL OF EXIST. CONCRETE	290	CY	$400.00	$115,940.74
11	2033000 - BORROW EXCAVATION	67,000	CY	$40.00	$2,680,000.00
12	2031000 - UNCLASSIFIED EXCAVATION	22,500	CY	$35.00	$787,500.00
13	FINE GRADING	21,229	SY	$10.00	$212,287.78
14	3100310 - BASE COURSE (ASSUME H/M TYPE A 650 LB/SY)	9,727	TON	$140.00	$1,361,817.29
15	4013200 - MILLING EXISTING PAVEMENT	92,203	SY	$4.00	$368,813.50
16	4020330 - INTERMEDIATE CR. (ASSUME 2" H/M TYPE C 210 LB/SY)	2,982	TON	$85.00	$253,476.94
17	4030340 - SURFACE CR. (ASSUME 2" H/M TYPE C 210 LB/SY)	12,371	TON	$80.00	$989,708.74
18	4036311 - H/M INTERMEDIATE CR. (FOR LEVELING 105 LB/SY)	955	TON	$85.00	$81,213.90
19	4011004 - LIQUID ASPHALT BINDER	1,233	TON	$715.00	$881,500.82
20	7203210 - CONCRETE CURB & GUTTER (2'-0")	65,540	LF	$25.00	$1,638,500.00
21	7204100 - CONCRETE SIDEWALK (4" UNIFORM)	20,304	SY	$50.00	$1,015,222.22
22	7204900 - DETECTABLE WARNING SURFACE	2,800	SF	$50.00	$140,000.00
23	7205000 - CONCRETE DRIVEWAY (6" UNIFORM)	1,533	SY	$80.00	$122,642.67
24	7209000 - PEDESTRIAN RAMP CONSTRUCTION	1,010	SY	$150.00	$151,500.00
25	7206000 - CONCRETE MEDIAN	6,032	SY	$90.00	$542,835.60
26	EROSION CONTROL	1	LS	$3,700,000.00	$3,700,000.00
27	SIGNALS & SIGNING	1	LS	$1,500,000.00	$1,500,000.00
28	PAINT LINES	110,935	LF	$3.00	$332,805.00
29	BRIDGE WIDENING	1	LS	$1,500,000.00	$1,500,000.00
	SUBTOTAL ESTIMATED ROADWAY CONSTRUCTION COST				**$22,276,613.98**
30	CEI (8% OF CONSTRUCTION COST)	1	LS	8%	$1,782,129.12
31	UTILITY RELOCATIONS (10% OF CONSTRUCTION COST)	1	LS	10%	$2,227,661.40
32	CLOSED DRAINAGE SYSTEM	1	LS	$5,700,000.00	$5,700,000.00
33	LIGHTING	1	LS	$1,100,000.00	$1,100,000.00
34	CONTINGENCIES (30% OF CONSTRUCTION COST)	1	LS	30%	$6,682,984.19
	TOTAL ESTIMATE OF CONSTRUCTION COST (2024)				**$39,769,388.69**
	PROJECTED ESTIMATE OF CONSTRUCTION COST (2028)				**$48,339,940.51**

ASSUMPTIONS:

1. Quantities for conceptual cost estimate are calculated based on conceptual design elements and have not been finalized.
2. 2028 Cost based on 5% inflation for 4 years.

Tract	Total GIS Area (sf)	Total GIS Value	60% Contingency	Obtained Area (sf)	R/W Cost
547030103704	42362	$1,445,000.00	$2,312,000.00	1951	$106,480.15
547020102011	32090	$160,000.00	$256,000.00	640	$5,105.64
547030100116	130219	$1,305,000.00	$2,088,000.00	115	$1,843.97
547030100100	985978	$9,480,500.00	$15,168,800.00	2750	$42,307.43
547030100106	105606	$116,360.00	$186,176.00	13628	$24,025.21
547030100200	953948	$635,200.00	$1,016,320.00	28977	$30,871.60
547030100301	40633	$150,000.00	$240,000.00	24216	$143,032.51
547030100303	68859	$540,500.00	$864,800.00	6499	$81,620.92
547030100300	1228857	$5,571,470.00	$8,914,352.00	20345	$147,586.33
547030100123	50226	$1,090,920.00	$1,745,472.00	590	$20,503.89
547020103201	973299	$15,079,340.00	$24,126,944.00	4136	$102,526.60
533030101314	66319	$2,190,260.00	$3,504,416.00	1111	$58,707.25
533030101315	67781	$867,000.00	$1,387,200.00	6211	$127,113.78
533030101316	417003	$895,080.00	$1,432,128.00	8509	$29,222.76
533030101300	71106	$1,242,570.00	$1,988,112.00	5608	$156,798.75
533030101311	61053	$218,870.00	$350,192.00	1099	$6,303.72
533030101401	35212	$94,080.00	$150,528.00	4591	$19,626.09
533030101405	16364	$168,400.00	$269,440.00	288	$4,742.04
533030101400	1532235	$1,589,740.00	$2,543,584.00	3382	$5,614.28
533030101102	26326	$37,500.00	$60,000.00	345	$786.29
533030101301	156980	$1,407,000.00	$2,251,200.00	11032	$158,206.39
533030101302	83677	$254,840.00	$407,744.00	2208	$10,759.21
533030101200	114676	$181,060.00	$289,696.00	5932	$14,985.50
533030101203	29619	$39,340.00	$62,944.00	3061	$6,505.00
533030101202	31827	$52,500.00	$84,000.00	422	$1,113.77
533030101204	16493	$93,600	$149,760.00	2198	$19,958.31
533030101201	119178	$384,280	$614,848.00	6267	$32,331.91
533030100821	232738	$441,960.00	$707,136.00	23160	$70,367.84
533030100805	583333	$632,800.00	$1,012,480.00	807	$1,400.69
533030100815	55517	$820,950.00	$1,313,520.00	1452	$34,354.00
533030100509	45834	$66,700.00	$106,720.00	8079	$18,811.16
533030100508	180318	$229,780.00	$367,648.00	1189	$2,424.24
533030100700	246992	$384,650.00	$615,440.00	8146	$20,297.72
533020100801	40828	$273,940.00	$438,304.00	4458	$47,858.31
533020100906	42779	$268,240.00	$429,184.00	4359	$43,732.04
533020100917	29203	$150,000.00	$240,000.00	2651	$21,786.80
533020100909	63926	$250,460.00	$400,736.00	6227	$39,035.50
533020100923	82511	$150,000.00	$240,000.00	13552	$39,418.74
533070104400	19213	$106,980.00	$171,168.00	8471	$75,467.87
533020100926	892831	$5,074,220.00	$8,118,752.00	1834	$16,677.05
533040100600	119926	$1,765,420.00	$2,824,672.00	484	$11,399.87
533020100614	135221	$350,250.00	$560,400.00	9487	$39,317.23
533260117200	1129069	$27,740.00	$44,384.00	1609	$63.25
533020100920	390220	$2,295,520.00	$3,672,832.00	1094	$10,296.96
533020100913	49860	$155,000.00	$248,000.00	1259	$6,262.17
547030100109	30830	$1,441,980.00	$2,307,168.00	93	$6,959.67
533020100600	481989	$6,564,340.00	$10,502,944.00	41197	$897,717.13
				Total Right-of-Way Cost	**$2,762,327.59**