US 701 BUSINESS (MADISON STREET) AT SOULES SWAMP PROJECT

NCDOT, Priority 7

DETAILED BUDGET



OCTOBER 2026

PRELIMINARY COST ESTIMATE - MADISON STREET AT SOULES SWAMP

Project: US 701 Business (Madison Street) at Soules Swamp
Component 1: Structure Replacement Plus New InstallatION
Component 2: Raise grade of Lee Street using wedging, curb and gutter, and sidewalk construction

Location: Whiteville, North Carolina
Madison Street from Lee Street to North of Talbot Street
Lee Street from Cypress Street to Madison Street

Office: NCDOT Division 6
Date: 8-Oct-26

Structure Component:	$	8,550,000
Lee Street Roadway Component:	$	1,600,000
	$	10,150,000
Right-of-Way Cost:	$	400,000 *
Additional Contingency	$	3,000,000
TOTAL PROJECT COST	$	13,550,000

* Most right-of-way is owned by the City of Whiteville and is anticipated to be donated; however, figure included

Cost Share Breakdown

	Amount	State Share	Federal Share
Planning Phase	$ 1,785,000		
10% of Cost	$ 1,355,000	$ 271,000	$ 1,084,000
Difference	$ 430,000	$ 430,000	
		$ 701,000	$ 1,084,000

* NCDOT will cover PE over 10% of the budget at 100% non federal share

PRELIMINARY CONSTRUCTION COST ESTIMATE - MADISON STREET STRUCTURE COMPONENT

Project: US 701 Business (Madison Street),Replace Bridge 3, Add New 100' Bridge, Curb & Gutter, Paving, Concrete Sidewalk, Rip Rap Slope Protection
Location: Lee Street to North of Talbot Street - Whiteivlle
Office: NCDOT Bridge Program
Prepared by: Adam Britt, Bridge Program Manager
Date: September 30, 2026
Status: Preliminary, for review only. Quantities based on 50'x160' and 50'x100' Cored Slab Structures. Unit prices from recent NCDOT bid tabs.

Line	Item No.	Sec.	Description	Quantity	Unit	Unit Price	Amount
GENERAL							
0001	0000400000-N	801	CONSTRUCTION SURVEYING	1	LS	$ 60,000.00	$ 60,000.00
0002	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUBBING	1	AC	$ 10,000.00	$ 10,000.00
EARTHWORK							
0003	0043000000-N	226	GRADING	1	LS	$ 100,000.00	$ 100,000.00
0004	0248000000-N	SP	GENERIC GRADING ITEM (TYPE I BRIDGE APPROACH FILL -L-)	1	LS	$ 160,000.00	$ 160,000.00
DRAINAGE							
0005	0335200000-E	305	15" DRAINAGE PIPE	210	LF	$ 100.00	$ 21,000.00
0006	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	8	EA	$ 4,000.00	$ 32,000.00
0007	2374000000-N	840	FRAME-GRT-HD 840.03 ** [(E)]	8	EA	$ 1,000.00	$ 8,000.00
PAVEMENT							
0008	1297000000-E	607	MILLING ASPHALT PAVEMENT, 3" DEPTH	3,000	SY	$ 25.00	$ 75,000.00
0009	1330000000-E	607	INCIDENTAL MILLING	1,000	SY	$ 25.00	$ 25,000.00
0010	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	1,080	TON	$ 150.00	$ 162,000.00
0011	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	5,600	TON	$ 200.00	$ 1,120,000.00
0012	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	425	TON	$ 750.00	$ 318,750.00
CURB, GUTTER & WALKWAY							
0013	2549000000-E	846	2'-6" CONC CURB & GUTTER	1,050	LF	$ 50.00	$ 52,500.00
0014	2591000000-E	848	4" CONCRETE SIDEWALK	300	SY	$89.67	$26,901.00
0015	2612000000-E	848	6" CONCRETE DRIVEWAY	50	SY	$140.33	$7,016.50
0016	2605000000-N	848	CONCRETE CURB RAMPS	2	EA	$3,000.00	$6,000.00
GUARDRAIL							
0017	3030000000-E	862	STEEL BEAM GUARDRAIL	250	LF	$ 20.00	$ 5,000.00
0018	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5	EA	$ 30.00	$ 150.00
0019	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	8	EA	$ 2,000.00	$ 16,000.00
0020	3287000000-N	862	GUARDRAIL END UNITS, TYPE TL-3	8	EA	$ 3,000.00	$ 24,000.00
SLOPE PROTECTION							
0021	3649000000-E	876	RIP RAP, CLASS B	1,000	TON	$ 150.00	$ 150,000.00
0022	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	1,500	SY	$ 4.00	$ 6,000.00
EROSION CONTROL							
0023	6000000000-E	1605	TEMPORARY SILT FENCE	3200.00	LF	$ 4.00	$ 12,800.00
0024	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	550.00	TON	$ 100.00	$ 55,000.00
0025	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	60.00	TON	$ 100.00	$ 6,000.00
0026	6012000000-E	1610	SEDIMENT CONTROL STONE	430.00	TON	$ 95.00	$ 40,850.00
0027	6015000000-E	1615	TEMPORARY MULCHING	3.00	ACR	$ 2,500.00	$ 7,500.00
0028	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	200.00	LB	$ 5.00	$ 1,000.00
0029	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1.00	TON	$ 1,250.00	$ 1,250.00
0030	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200.00	LF	$ 30.00	$ 6,000.00
0031	6029000000-E	SP	SAFETY FENCE	450.00	LF	$ 3.00	$ 1,350.00
0032	6030000000-E	1630	SILT EXCAVATION	160.00	CY	$ 50.00	$ 8,000.00
0033	6036000000-E	1631	MATTING FOR EROSION CONTROL	7,870	SY	$ 2.00	$ 15,740.00
0034	6037000000-E	1629	COIR FIBER MAT	160.00	SY	$ 7.00	$ 1,120.00
0035	6042000000-E	1632	1/4" HARDWARE CLOTH	250.00	LF	$ 7.00	$ 1,750.00
0036	6048000000-E	SP	FLOATING TURBIDITY CURTAIN	270.00	SY	$ 50.00	$ 13,500.00
0037	6070000000-N	1639	0	4.00	EA	$ 1,000.00	$ 4,000.00
0038	6084000000-E	1660	SEEDING & MULCHING	3.00	ACR	$ 5,000.00	$ 15,000.00
0039	6087000000-E	1660	MOWING	3.00	ACR	$ 250.00	$ 750.00
0040	6090000000-E	1661	SEED FOR REPAIR SEEDING	50.00	LB	$ 5.00	$ 250.00
0041	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25	TON	$ 1,250.00	$ 312.50
0042	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	70.00	LB	$ 5.00	$ 350.00
0043	6108000000-E	1665	FERTILIZER TOPDRESSING	2.00	TON	$ 1,250.00	$ 2,500.00
0044	6111000000-E	SP	IMPERVIOUS DIKE	215.00	LF	$ 200.00	$ 43,000.00
0045	6114500000-N	1667	SPECIALIZED HAND MOWING	10.00	MHR	$ 125.00	$ 1,250.00
0046	6117000000-N	1675	RESPONSE FOR EROSION CONTROL	25.00	EA	$ 250.00	$ 6,250.00
0047	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	4.00	EA	$ 1,500.00	$ 6,000.00
0048	6132000000-N	SP	GENERIC EROSION CONTROL ITEM - PREFABRICATED CONCRETE WASHOUT	4.00	EA	$ 650.00	$ 2,600.00
TRAFFIC CONTROL & PAVEMENT MARKINGS							
0049	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	518	SF	$ 10.00	$ 5,180.00
0050	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	94	SF	$ 10.00	$ 940.00
0051	4445000000-E	1145	BARRICADES (TYPE III)	64	LF	$ 20.00	$ 1,280.00
0052	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKINGLINES (6", 90 MILS)	5,800	LF	$ 2.00	$ 11,600.00
0053	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	350	EA	$ 20.00	$ 7,000.00
0054			PHASED WZTC DURING BRIDGE CONSTRUCTION	1	LS	$ 250,000.00	$ 250,000.00
UTILITIES							
0055	5325600000-E		6" WATER LINE	650	LF	$ 225.00	$ 146,250.00
0056	5540000000-E		6" VALVE	2	EA	$ 2,475.00	$ 4,950.00
0057			POWER POLE RELOCATION	10	EA	$ 25,000.00	$ 250,000.00
REPLACE EXISTING STRUCTURE							

Roadway

0058	8021000000-N	SP	REMOVAL OF EXISTING STRUCTURE AT STATION -L-	1	LS	$	35,000.00	$	35,000.00
0059	8065000000-N	SP	ASBESTOS ASSESSMENT	1	LS	$	2,000.00	$	2,000.00
0060	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION -L-	1	LS	$	5,000.00	$	5,000.00
0061	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	64	CY	$	1,000.00	$	64,000.00
0062	8210000000-N	422	BRIDGE APPROACH SLABS, STATION -L-	1	LS	$	42,000.00	$	42,000.00
0063	8217000000-E	425	REINFORCING STEEL (BRIDGE)	10,000	LB	$	3.00	$	30,000.00
0064	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES	22	EA	$	1,600.00	$	35,200.00
0065	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR HP 14x73 STEEL PILES	24	EA	$	3,000.00	$	72,000.00
0066	8364000000-E	450	HP 12 X 53 STEEL PILES	1,450	LF	$	50.00	$	72,500.00
0067	8384200000-E	450	HP 14 X 73 GALVANIZED STEEL PILES	1,680	LF	$	70.00	$	117,600.00
0068	8505000000-E	460	VERTICAL CONCRETE BARRIER RAIL	326	LF	$	150.00	$	48,900.00
0069	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	130	TON	$	100.00	$	13,000.00
0070	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	155	SY	$	6.00	$	930.00
0071	8657000000-N	430	ELASTOMERIC BEARINGS	1	LS	$	13,000.00	$	13,000.00
0072	8762000000-E	430	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS	2,805	LF	$	200.00	$	561,000.00
NEW STRUCTURE									
0073	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION -L-	1	LS	$	75,000.00	$	75,000.00
0074	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	40	CY	$	1,000.00	$	40,000.00
0075	8210000000-N	422	BRIDGE APPROACH SLABS, STATION -L-	1	LS	$	42,000.00	$	42,000.00
0076	8217000000-E	425	REINFORCING STEEL (BRIDGE)	6,300	LB	$	3.00	$	18,900.00
0077	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES	22	EA	$	1,600.00	$	35,200.00
0078	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR HP 14x73 STEEL PILES	12	EA	$	3,000.00	$	36,000.00
0079	8364000000-E	450	HP 12 X 53 STEEL PILES	1,450	LF	$	50.00	$	72,500.00
0080	8384200000-E	450	HP 14 X 73 GALVANIZED STEEL PILES	840	LF	$	70.00	$	58,800.00
0081	8505000000-E	460	VERTICAL CONCRETE BARRIER RAIL	200	LF	$	150.00	$	30,000.00
0082	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	130	TON	$	100.00	$	13,000.00
0083	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	155	SY	$	6.00	$	930.00
0084	8657000000-N	430	ELASTOMERIC BEARINGS	1	LS	$	9,000.00	$	9,000.00
0085	8762000000-E	430	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS	1,700	LF	$	200.00	$	340,000.00
86			STREAM GAUGE	1		$	50,000.00	$	50,000.00

Construction Subtotal		$ 5,250,100.00
Contingency	**30%**	840,016
TOTAL ESIMATED CONSTRUCTION COST		**$ 6,090,116.00**

ENGINEERING		
Preliminary engineering (survey, environmental & permits, geotechnical, design)		$ 1,500,000.00
Construction engineering & inspection	15%	$ 900,000.00
TOTAL ESTIMATE PROJECT COST - BRIDGE COMPONENT		**$ 8,490,116.00**

$ 8,550,000.00

PRELIMINARY CONSTRUCTION COST ESTIMATE - LEE STREET ROADWAY COMPONENT

Project: SR 1916 (Lee Street): Wedging, curb & gutter, raised 5' concrete sidewalk, rip rap slope protection and street trees

Location: Cypress St to the Lee / Madison / Franklin St intersection, Whiteville, Columbus County (approx. 1,020 LF)

Office: NCDOT Division 6, District 3
Prepared by: Aaron R. LeBeau, PE, District Engineer
Date: September 30, 2026
Status: Preliminary, for review only. Quantities from Typical Section No. 1; unit prices from recent NCDOT bid tabs (DF00540, Whiteville, Feb 2026, first).

Line	Item No.	Sec.	Description	Quantity	Unit	Unit Price	Amount
GENERAL							
0001	0000100000-N	800	MOBILIZATION	1	LS	$41,650.36	$41,650.36
0002	0000400000-N	801	CONSTRUCTION SURVEYING	1	LS	$15,000.00	$15,000.00
EARTHWORK							
0003	0001000000-E	200	CLEARING & GRUBBING	1	LS	$15,000.00	$15,000.00
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	0.25	ACR	$1.00	$0.25
0005	0043000000-N	226	GRADING	1	LS	$80,000.00	$80,000.00
0006	0106000000-E	230	BORROW EXCAVATION	1,641	CY	$49.71	$81,574.11
0007	0036000000-E	225	UNDERCUT EXCAVATION	617	CY	$57.20	$35,292.40
0008	0195000000-E	265	SELECT GRANULAR MATERIAL	617	CY	$64.00	$39,488.00
0009	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	1,233	SY	$7.45	$9,185.85
0010	0134000000-E	240	DRAINAGE DITCH EXCAVATION	67	CY	$59.67	$3,997.89
DRAINAGE							
0011	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	40	LF	$128.33	$5,133.20
0012	2264000000-E	840	PIPE PLUGS	0.30	CY	$1,570.00	$471.00
0013	2275000000-E	340	FLOWABLE FILL	6	CY	$582.67	$3,496.02
0014	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	1	EA	$4,496.67	$4,496.67
0015	2354200000-N	840	FRAME WITH TWO GRATES, STD. 840.24	1	EA	$1,928.33	$1,928.33
SLOPE PROTECTION							
0016	3628000000-E	876	RIP RAP, CLASS I	1,006	TON	$121.95	$122,681.70
0017	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	1,552	SY	$7.17	$11,127.84
PAVEMENT							
0018	1330000000-E	607	INCIDENTAL MILLING	107	SY	$8.23	$880.61
0019	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	10	TON	$358.33	$3,583.30
0020	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	466	TON	$160.00	$74,560.00
0021	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	225	TON	$144.67	$32,550.75
0022	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	36	TON	$573.67	$20,652.12
0023	1121000000-E	520	AGGREGATE BASE COURSE	108	TON	$90.67	$9,792.36
CURB, GUTTER & WALKWAY							
0024	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	1,020	LF	$56.67	$57,803.40
0025	2591000000-E	848	4" CONCRETE SIDEWALK	567	SY	$89.67	$50,842.89
0026	2612000000-E	848	6" CONCRETE DRIVEWAY	0	SY	$140.33	-
0027	2605000000-N	848	CONCRETE CURB RAMPS	2	EA	$3,000.00	$6,000.00
TRAFFIC CONTROL & PAVEMENT MARKINGS							
0028	4457000000-N	1101	TEMPORARY TRAFFIC CONTROL	1	LS	$50,000.00	$50,000.00
0029	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	3,060	LF	$1.40	$4,284.00
0030	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	3,060	LF	$0.65	$1,989.00
0031	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	52	EA	$15.87	$825.24
EROSION CONTROL							
0032	6000000000-E	1605	TEMPORARY SILT FENCE	1,320	LF	$3.35	$4,422.00
0033	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	10	TON	$136.33	$1,363.30
0034	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	10	TON	$129.33	$1,293.30
0035	6012000000-E	1610	SEDIMENT CONTROL STONE	20	TON	$109.00	$2,180.00
0036	6015000000-E	1615	TEMPORARY MULCHING	0.85	ACR	$1,213.68	$1,031.63
0037	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	43	LB	$2.99	$128.57
0038	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	0.22	TON	$983.33	$216.33
0039	6030000000-E	1630	SILT EXCAVATION	10	CY	$41.33	$413.30
0040	6036000000-E	1631	MATTING FOR EROSION CONTROL	748	SY	$1.86	$1,391.28
0041	6071012000-E	1642	COIR FIBER WATTLE	50	LF	$11.68	$584.00
0042	6075000000-E	1651	SELECTIVE TREE REMOVAL, 18" TO 30"	12	EA	$3,535.00	$42,420.00
0043	6084000000-E	1660	SEEDING AND MULCHING	0.48	ACR	$2,717.84	$1,304.56
0044	6087000000-E	1660	MOWING	0.48	ACR	$292.67	$140.48

0045	6090000000-E	1661	SEED FOR REPAIR SEEDING	9	LB	$5.24	$47.16
0046	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.04	TON	$1,250.00	$50.00
0047	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	9	LB	$4.99	$44.91
0048	6108000000-E	1665	FERTILIZER TOPDRESSING	0.09	TON	$966.67	$87.00
0049	6117000000-N	1675	RESPONSE FOR EROSION CONTROL	3	EA	$183.33	$549.99
0050	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	1	EA	$1,326.67	$1,326.67
PLANTING							
0051	6640000000-N	1670	CRAPE MYRTLE 'NATCHEZ' (LAGERSTROEMIA), STANDARD, TREE FORM	47	EA	$606.00	$28,482.00
0052	6650000000-E	1670	MULCH FOR PLANTING	17	CY	$111.87	$1,901.79
0053	6655000000-E	1670	WATER FOR PLANTING	4.70	M/G	$211.08	$992.08

Construction subtotal		**$874,657.64**
Contingency	**30%**	**$262,397.29**
TOTAL ESTIMATED CONSTRUCTION COST		**$1,137,054.93**

ENGINEERING		
Preliminary engineering (survey, environmental & permits, geotechnical, design)		$285,000.00
Construction engineering & inspection	15%	$170,000.00
TOTAL ESTIMATED PROJECT COST - LEE STREET ROADWAY COMPONENT		**$1,592,054.93**

$ 1,600,000.00

Notes

1. Unit prices are averages of recent NCDOT bid tabs: DF00540 (US 701 Bus at Lee / Franklin St, Whiteville, let Feb 2026) where it has the item, otherwise other 2025-26 Division 6 contracts. Rip rap averages three contracts; crape myrtles use Division 6's US 401 planting contract (Jun 2026).

2. Grading, clearing & grubbing, temporary traffic control and construction surveying are lump sums set by the District Engineer from recent Division 6 bids. Mobilization is 5% of all other items.

3. Quantities follow Typical Section No. 1 (sheets 2A-1 and 2A-2): 6" wedge, 1½" S9.5B resurfacing, spill-type curb & gutter on 6" ABC, 5' grass strip, 5' concrete sidewalk 6" above the curb, 2:1 fill to the swamp with Class I rip rap on the lower two-thirds, 'Natchez' crape myrtles at 20' on the high side, removal of about 12 large trees, low-side ditch extension with a drop inlet and 40' of 18" RCP into the storm drain at the intersection (allowance), and abandonment of the crossline pipes.