

North Carolina Department of Transportation  
Preliminary Estimate

TIP No. **B-6044**  
Route I-95  
From Between US 701/301 to Brogden RD  
Typical Section 4 Lane Divided Shoulder Section  
Number of Lanes 4 Lanes  
Drainage Type Shoulder

**FIPS Plans Complete**

County: **Johnston**

**CONSTR. COST**  
**\$62,300,000**

Prepared By: HNTB  
Requested By: NCDOT  
Priced By: Chris Smith, PE

Date  
3/12/2026  
3/18/2026  
3/25/2026

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
M			Mobilization	1	LS	\$ 2,223,414.12	\$ 2,223,414.12
M			Construction Surveying	1	LS	\$ 520,000.00	\$ 520,000.00
G			Clearing and Grubbing	6.0	Acre	\$ 60,000.00	\$ 360,000.00
G			Supplemental Clearing and Grubbing	1	Acre	\$ 10,000.00	\$ 10,000.00
G			Reinforced Bridge Approach Fills (1 Br = 1 RBAF)	2	Each	\$ 195,000.00	\$ 390,000.00
			<b>Earthwork</b>				
G			Unclassified Excavation	30,600	CY	\$ 18.00	\$ 550,800.00
G			Borrow Excavation	57,400	CY	\$ 20.00	\$ 1,148,000.00
D			Drainage ditch Excavation	560	CY	\$ 23.00	\$ 12,880.00
G			Removal of Existing Asphalt Pavement	34,320	SY	\$ 10.00	\$ 343,200.00
			<b>Drainage</b>				
D			Foundation Cond. Mat, Minor Strs	330	Tons	\$ 55.00	\$ 18,150.00
D			Foundation Cond. Geotextile	1,030	SY	\$ 5.00	\$ 5,150.00
D			15" Side Drain Pipe	328	LF	\$ 90.00	\$ 29,520.00
D			18" Side Drain Pipe	576	LF	\$ 100.00	\$ 57,600.00
D			24" Side Drain Pipe	164	LF	\$ 115.00	\$ 18,860.00
D			15" CS Pipe Culverts	120	LF	\$ 85.00	\$ 10,200.00
D			18" CS Pipe Culverts	324	LF	\$ 95.00	\$ 30,780.00
D			18" Welded Steel Pipe, 0.500" Thick, Grade B in Soil	178	LF	\$ 950.00	\$ 169,100.00
D			18" Welded Steel Pipe, 0.500" Thick, Grade B Not in Soil	178	LF	\$ 950.00	\$ 169,100.00
D			30" Welded Steel Pipe, 0.500" Thick, Grade B in Soil	88	LF	\$ 1,650.00	\$ 145,200.00
D			30" Welded Steel Pipe, 0.500" Thick, Grade B Not in Soil	88	LF	\$ 1,650.00	\$ 145,200.00
D			15" CS Pipe Elbows	2	EA	\$ 800.00	\$ 1,600.00
D			18" CS Pipe Elbows	14	EA	\$ 875.00	\$ 12,250.00
D			15" RC Pipe Culverts, Class IV	612	LF	\$ 125.00	\$ 76,500.00
D			18" RC Pipe Culverts, Class IV	400	LF	\$ 140.00	\$ 56,000.00
G			Pipe Removal	796	LF	\$ 35.00	\$ 27,860.00
			<b>Pavement</b>				
P1			Fine Grading	45,520	SY	\$ 3.50	\$ 159,320.00
P1			Subgrade Stabilization	45,520	SY	\$ 22.00	\$ 1,001,440.00
P1			Prime Coat	3,065	Gal	\$ 6.00	\$ 18,390.00
P1			12" Aggregate Base Course	4,140	Tons	\$ 45.00	\$ 186,300.00
P1			Asphalt Type B25.0C	26,430	Tons	\$ 96.00	\$ 2,537,280.00
P1			Asphalt Type I19.0C	18,680	Tons	\$ 97.00	\$ 1,811,960.00
P1			Asphalt Type S9.5D	11,300	Tons	\$ 110.00	\$ 1,243,000.00
P1			Asphalt Binder for Plant Mix	2,090	Tons	\$ 625.00	\$ 1,306,250.00
P1			Asphalt Type Open-Graded Friction Course, Type FC-1	3,880	Tons	\$ 120.00	\$ 465,600.00
P1			Polymer Modified Asphalt Binder for Plant Mix	900	Tons	\$ 800.00	\$ 720,000.00
P1			Asphalt Plant Mix, Pavement Repair	60	Tons	\$ 280.00	\$ 16,800.00
P1			Milled Rumble Strips (Asphalt Concrete)	30,620	LF	\$ 1.80	\$ 55,116.00
			<b>Drainage Structures</b>				
D			Pipe Collars	0.8455	CY	\$ 4,700.00	\$ 3,973.85
D			Pipe Plugs	1.614	CY	\$ 2,900.00	\$ 4,680.60
D			Flowable Fill	76	CY	\$ 550.00	\$ 41,800.00
D			Masonry Drainage Structures	46	Each	\$ 4,200.00	\$ 193,200.00
D			Masonry Drainage Structures	30.2	LF	\$ 725.00	\$ 21,895.00
D			Frame w / Grate, 840.24	1	Each	\$ 1,400.00	\$ 1,400.00
D			Frame w / 2 Grates, 840.29	22	Each	\$ 1,250.00	\$ 27,500.00
D			Steel Frame w/ 2 Grates, 840.37	20	Each	\$ 3,500.00	\$ 70,000.00
D			Frame with Cover, 840.54	1	Each	\$ 1,100.00	\$ 1,100.00
P1			Shoulder Berm Gutter	2,745	LF	\$ 42.00	\$ 115,290.00

North Carolina Department of Transportation  
Preliminary Estimate

GR		Steel Beam Guardrail	2,800.0	LF	\$ 28.00	\$ 78,400.00
GR		Additional Guardrail Posts	10	Each	\$ 60.00	\$ 600.00
GR		Temp Steel Beam Guardrail	4,150	LF	\$ 9.00	\$ 37,350.00
GR		Guardrail End Units, Type TL-3	4	Each	\$ 3,700.00	\$ 14,800.00
GR		Temp Guardrail End Units, Type TL-3	4	Each	\$ 2,350.00	\$ 9,400.00
GR		Guardrail End Units, Type ATTN TL-3	3	Each	\$ 30,000.00	\$ 90,000.00
GR		Guardrail Anchor, Type CAT-1	3	Each	\$ 1,100.00	\$ 3,300.00
GR		Temp Guardrail Anchor, Type CAT-1	2	Each	\$ 675.00	\$ 1,350.00
GR		Guardrail Anchor, Type Type-III	7	Each	\$ 2,800.00	\$ 19,600.00
GR		Temp Guardrail Anchor, Type Type-III	6	Each	\$ 1,200.00	\$ 7,200.00
GR		Temp Guardrail Anchor, Type TCC	2	Each	\$ 12,000.00	\$ 24,000.00
GR		End Units, Guardrail Anchor	5	Each	\$ 2,900.00	\$ 14,500.00
GR		Remove Existing Guardrail	11,125	LF	\$ 1.20	\$ 13,350.00
GR		Remove Existing Guiderail	4,775	LF	\$ 1.50	\$ 7,162.50
GR		Cable Guardrail	4,950	LF	\$ 15.00	\$ 74,250.00
GR		Concrete Barrier, Type T	1,395	LF	\$ 225.00	\$ 313,875.00
R		Woven Wire Fence	3,640	LF	\$ 6.50	\$ 23,660.00
R		4" Posts	229	Each	\$ 44.00	\$ 10,076.00
R		5" Posts	58	Each	\$ 52.00	\$ 3,016.00
G		Plain Rip Rap, Class I	30	Ton	\$ 95.00	\$ 2,850.00
G		Plain Rip Rap, Class B	800	Ton	\$ 82.00	\$ 65,600.00
D		Geotextile for Drainage	1,805	SY	\$ 4.00	\$ 7,220.00
L		Erosion Control	15.0	Acres	\$ 115,000.00	\$ 1,725,000.00
		<b>Signing</b>				
		Are there overhead signs?	Y			
S		L Line	1.6	Miles	\$ 200,000.00	\$ 314,400.00
		<b>Traffic Control</b>				
		Night work	Y			
		Phasing Sequence	Y			
		Staged Construction	Y			
Y		L Line	1.6	Miles	\$ 800,000.00	\$ 1,257,600.00
PM		Thermo and Pavement Marking (Typical Section - L)	1.6	Miles	\$ 275,000.00	\$ 432,300.00
		<b>STRUCTURES</b>				
		Staged Construction	Y			
		On-Site / Off-Site Detour	On-Site			
B		Bridge - (215' & 142.25')	30,583.75	SF	\$ 225.00	\$ 6,881,343.75
B		CM&R Temp Access (Bridge over Black Creek)	1.00	LS	\$ 280,000.00	\$ 280,000.00
B		Bridge - (430' & 142.25')	61,167.50	SF	\$ 260.00	\$ 15,903,550.00
B		CM&R Temp Access (Bridge over Neuse River)	1.00	LS	\$ 445,000.00	\$ 445,000.00
B		Removal of Existing Structure (27.5' x 224.5')	6,174	SF	\$ 35.00	\$ 216,081.25
B		Removal of Existing Structure (27.5' x 224.5')	6,174	SF	\$ 35.00	\$ 216,081.25
B		Removal of Existing Structure (31.75' x 436.5')	13,859	SF	\$ 35.00	\$ 485,060.63
B		Removal of Existing Structure (31.75' x 436.5')	13,859	SF	\$ 35.00	\$ 485,060.63
B		Bridge Approach Slabs (2 @ 139' x 25')	6,950	SF	\$ 50.00	\$ 347,500.00
B		Bridge Approach Slabs (2 @ 139' x 25')	6,950	SF	\$ 50.00	\$ 347,500.00
		Miscellaneous (5% Str & Utilities)	1	LS		\$ 1,280,000.00
		Miscellaneous (20% Roadway)	1	LS		\$ 5,659,303.43

Lgth 1.572 Mi.

	Contract Cost .....	\$ 53,631,000.00
	E. & C. 16% .....	\$ 8,669,000.00
	<b>Construction Cost .....</b>	<b>\$ 62,300,000.00</b>

**Note: ROW & R/W Utilities not included in cost shown above.**

TIP No. B-6044  
WBS No. \_\_\_\_\_  
Route I-95  
Project Description: REPLACE BRIDGES  
County: JOHNSTON  
Prepared By: HNTB  
Requested By: NCDOT  
Priced By: NCDOT

PDN Stage:  Stage I Express Design  
 Stage IIA DRPS  
 Stage IIB ROW Plans (\_\_\_\_\_  
 Stage III Design Comp  
Date: 3/12/2026

## Project Characteristics

*Understanding some of the project characteristics will assist estimators in developing more accurate project estimates.  
Please provide as much of the following information that is possible to assist with this.*

### General Considerations

- Mainline Typical Section: 4 LANE DIVIDED SHOULDER  
 Urban  Rural  
 Interstate  
 Constrained work environments

### Schedule

*The more the contractor's construction schedule is dictated in the contract, the higher the bid prices.*

- Aggressive Construction Schedule  
 Restrictive Moratoria  
Estimated Construction Completion Date (if known): \_\_\_\_\_

### Traffic Control / Construction Staging

- Complex Traffic Control Phasing / Staged Construction  
 Night Work / Portable Lighting  
 Working Under Traffic  
 Bridge Replacement - On-site, off site, new alignment. Describe below:  
ON SITE DETOUR  
 Detour Route  
 Temporary Pavement  
 Temporary Shoring

### Construction Conflicts

- Major Utilities or Relocations (Water & Sewer)  
 Railroad Coordination  
 Hazardous Material  
 Misc. Construction Conflicts (transmission lines, pump station, slick site, etc....)  
\_\_\_\_\_

### Structural Considerations

- Bridge Girder Type FIB  
 Bridge Deck Type  
 Major Structures / Culverts  
 Retaining Walls  
 Noise Walls

Other items to consider when estimating:  
\_\_\_\_\_

**Other Considerations**

- ITS/Tolling
- Concrete Pavement     Asphalt Pavement
- Hydroplaning Mitigation (Open-Graded Friction Course)
- Overhead Signing
- Earthwork - Waste Job     Earthwork - Borrow Job
- Lighting

**Links to Pertinent Documents**

Project Plans:    [Design Recommendation Plan Set](#) \_\_\_\_\_  
Traffic Operations Memo: \_\_\_\_\_  
Pavement Design: \_\_\_\_\_  
Others: \_\_\_\_\_

TIP No.  
Route  
From  
Typical Section

**B-6044**  
I-95 at Black Creek and Neuse River  
TIP Project I-5974 to just north of Neuse River  
4 Lane Median Divided

<b>ROW</b>
------------

Prepared By: HNTB North Carolina, P.C  
Requested By: Statewide Tier Priority List / Estimate Improvement  
Priced By: Karen Lovering, PE

Date  
Date  
Date

Line Item	Des	Sec No.	Description	Quantity
	add		Mobilization	1
	add		Construction Surveying	1
			Clearing and Grubbing	3.3
			Supplementary Clearing & Grubbing	1
			Bridge Approach Fill	1
			Bridge Approach Fill	1
			Unclassified Excavation	45,000
			Borrow Excavation	97,000
			<b>Drainage</b>	
			15" Side Drain	1,436
			18" Side Drain	108
			15" R.C. Pipe, Class IV	616
			18" R.C. Pipe, Class IV	188
			15" CS Pipe Culverts	256
			15" Welded Steel Pipe, .500" Thick, Grade B In Soil	456
			15" Welded Steel Pipe, .500" Thick, Grade B Not In Soil	456
			30" Welded Steel Pipe, .500" Thick, Grade B In Soil	176
			30" Welded Steel Pipe, .500" Thick, Grade B Not In Soil	176
			15" CS Pipe Elbows	10
			Pipe Removal	146
			Flowable Fill	103
			Masonry Drainage Structures	45
			Masonry Drainage Structures (5' and above)	6
			Frame w/ Two Grates, 840.22	25
			Steel Frame w/ Two Grates 840.37	14
			Convert DI to JB	1
			Plain Rip Rap, Class B	210
			Geotextile For Drainage	633
			Fine Grading	33,400
			Pavement Resurfacing	26,600
			Pavement Widening	18,600
			Temp Pavement	37,300
			Temp Pavement Removal	37,000
			Shoulder Berm Gutter	500
			Concrete Barrier, Type IV	655
			Impact Attenuator Units, Type TL-3	3
			Steel Beam Guardrail	2,275.0
			Guardrail End Units, Type CAT-1	4

		Guardrail Anchor Units, Type III	8
		Guardrail End Units, Type TL-3	4
		Cable Guiderail	4,350
		Guardrail End Units, Type CGAU	3
		Erosion Control	15.0
		<b><u>Traffic Control</u></b>	
		Temp Steel Beam Guardrail	3,200
		Temp Guardrail End Units, Type CAT-1	5
		Temp Guardrail Anchor Units, Type III	10
		Temp Guardrail End Units, Type TL-3	4
		Temporary Crash Cushions	4
		Portable Concrete Barrier	4,080
		Signs and Devices	1.00
	add	Signing	1.11
		Pavement Markings	1.11
		<b><u>Traffic Signals</u></b>	
		N/A	
		<b><u>Structures</u></b>	
		Removal of Existing Structure BR 500082	6,218
		Removal of Existing Structure BR 500085	6,956
		Approach Slabs (2 @ 106'-0" x 25'-0")	5,300
		New Structure @ Black Creek (109'-0" x 214'-0")	23,435
	add	Construction Access	6,200
		Removal of Existing Structure BR 500100	11,674
		Removal of Existing Structure BR 500101	12,270
		Approach Slabs (2 @ 106'-0" x 25')	5,300
		New Structure @ Neuse River (109'-0" x 424'-0")	46,870
	add	Construction Access	11,700
		Temp Structure @ Black Creek (42'-0" x 220'-0")	9,240
		Temp Structure @ Neuse River (42'-0" x 450'-0")	18,900
		<b><u>Utility Construction</u></b>	
		To Be Added By Utilities Unit	
		Misc. (5% Strs&Util)	1
		Misc. (30% Rdy)	1

LENGTH: 1.11 MILES

.....  
**E. & C. 16%** .....  
**Construction Cost** .....

**Note: This estimate does not contain Utility Construction, Utility Relocation, or Right of Way co**

County:

**Johnston**

<b>CONSTR. COST</b>
<b>\$53,900,000</b>

12/29/2022

2/14/2024

3/13/2024

Unit	Price	Amount
LS	\$ 1,945,202.58	\$ 1,945,202.58
LS	\$ 450,000.00	\$ 450,000.00
Acre	\$ 50,000.00	\$ 165,000.00
Acre	\$ 10,000.00	\$ 10,000.00
LS	\$ 130,000.00	\$ 130,000.00
LS	\$ 130,000.00	\$ 130,000.00
CY	\$ 16.00	\$ 720,000.00
CY	\$ 20.00	\$ 1,940,000.00
LF	\$ 80.00	\$ 114,880.00
LF	\$ 90.00	\$ 9,720.00
LF	\$ 125.00	\$ 77,000.00
LF	\$ 145.00	\$ 27,260.00
LF	\$ 115.00	\$ 29,440.00
LF	\$ 750.00	\$ 342,000.00
LF	\$ 1,200.00	\$ 547,200.00
LF	\$ 1,100.00	\$ 193,600.00
LF	\$ 2,200.00	\$ 387,200.00
EA	\$ 800.00	\$ 8,000.00
LF	\$ 35.00	\$ 5,110.00
CY	\$ 550.00	\$ 56,650.00
EA	\$ 4,100.00	\$ 184,500.00
LF	\$ 725.00	\$ 4,205.00
EA	\$ 1,250.00	\$ 31,250.00
EA	\$ 3,400.00	\$ 47,600.00
EA	\$ 3,600.00	\$ 3,600.00
Tons	\$ 90.00	\$ 18,900.00
SY	\$ 5.50	\$ 3,481.50
SY	\$ 3.50	\$ 116,900.00
SY	\$ 23.00	\$ 611,800.00
SY	\$ 98.00	\$ 1,822,800.00
SY	\$ 80.00	\$ 2,984,000.00
SY	\$ 10.00	\$ 370,000.00
LF	\$ 45.00	\$ 22,500.00
LF	\$ 150.00	\$ 98,250.00
EA	\$ 30,000.00	\$ 90,000.00
LF	\$ 28.50	\$ 64,837.50
EA	\$ 1,100.00	\$ 4,400.00

EA	\$ 2,800.00	\$ 22,400.00
EA	\$ 3,700.00	\$ 14,800.00
LF	\$ 15.25	\$ 66,337.50
EA	\$ 3,100.00	\$ 9,300.00
Acres	\$ 110,000.00	\$ 1,650,000.00
LF	\$ 9.00	\$ 28,800.00
EA	\$ 675.00	\$ 3,375.00
EA	\$ 1,000.00	\$ 10,000.00
EA	\$ 2,350.00	\$ 9,400.00
EA	\$ 10,000.00	\$ 40,000.00
LF	\$ 50.00	\$ 204,000.00
LS	\$ 100,000.00	\$ 100,000.00
Miles	\$ 300,000.00	\$ 333,000.00
Miles	\$ 325,000.00	\$ 360,750.00
SF	\$ 35.00	\$ 217,630.00
SF	\$ 35.00	\$ 243,460.00
SF	\$ 50.00	\$ 265,000.00
SF	\$ 225.00	\$ 5,272,875.00
SF	\$ 35.00	\$ 217,000.00
SF	\$ 35.00	\$ 408,590.00
SF	\$ 35.00	\$ 429,450.00
SF	\$ 50.00	\$ 265,000.00
SF	\$ 250.00	\$ 11,717,500.00
SF	\$ 35.00	\$ 409,500.00
SF	\$ 170.00	\$ 1,570,800.00
SF	\$ 170.00	\$ 3,213,000.00
LS		\$ -
LS		\$ 1,212,000.00
LS		\$ 4,402,745.93

**Roadway**  
\$ 14,674,246.50

assume concrete girders, stage construction

assume concrete girders, stage construction

**Str. & Utilities**  
\$ 24,229,805.00

\$ 1,211,490.25

\$ 4,402,273.95

\$ 46,463,018.28

\$ 7,434,082.92

\$ 53,897,101.20

.....	\$ 46,464,000.00
.....	\$ 7,436,000.00
.....	<b>\$ 53,900,000.00</b>

sts.