

North Carolina Department of Transportation
Preliminary Estimate

TIP No.
Route
From
Typical Section

TIP Number
Youngsville By-Pass Alt 2 South of Taboro Road, Roundabouts

Conceptual

County:

CONSTR. COST
\$16,025,697

Prepared By: APW
Requested By:
Priced By:

Date
5/20/2024

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Mobilization	1	LS	\$ 500,000.00	\$ 500,000.00
			Construction Surveying	1	LS	\$ 110,700.00	\$ 110,700.00
			Clearing and Grubbing	10.0	Acre	\$ 66,000.00	\$ 657,360.00
			Supplemental Clearing and Grubbing	2	Acre	\$ 10,000.00	\$ 20,000.00
			Earthwork				
			Unclassified Excavation	6,900	CY	\$ 23.00	\$ 158,700.00
			Borrow Excavation	19,557	CY	\$ 20.00	\$ 391,140.00
			Removal of Existing Pavement (Asphalt or Concrete)	5,280	SY	\$ 16.00	\$ 84,480.00
			Drainage				
			Drainage New Location: -L- Youngsville Bypass C&G & Shoulder	0.75	Miles	\$ 730,000.00	\$ 547,500.00
			Drainage Existing Location -Y- Alignments Shoulder	0.39	Miles	\$ 80,000.00	\$ 30,863.64
			Pavement (Asphalt or Concrete)				
			Fine Grading	20,700	SY	\$ 5.00	\$ 103,500.00
			New Pavement	20,700	SY	\$ 170.00	\$ 3,519,000.00
			Pavement Widening	0	SY	\$ 190.00	\$ -
			Pavement Resurfacing	0	SY	\$ 30.00	\$ -
			Subgrade Stabilization	20,700	SY	\$ -	\$ -
			2'-6" Concrete Curb and Gutter	4,170	LF	\$ 45.00	\$ 187,650.00
			4" Concrete Sidewalk	4,280	SY	\$ 65.00	\$ 278,200.00
			5" Monolithic Islands	1,350	SY	\$ 150.00	\$ 202,500.00
			7" Conc. Truck Apron	1,090	SY	\$ 210.00	\$ 228,900.00
			Erosion Control	10.0	Acres	\$ 53,000.00	\$ 527,880.00
			Signing				
			-L- Youngsville Bypass	0.75	Miles	\$ 33,000.00	\$ 24,750.00
			-Y- Alignments	0.39	Miles	\$ 33,000.00	\$ 12,731.25
			Roundabout	2.00	LS	\$ 10,000.00	\$ 20,000.00
			Traffic Control				
			-L- Youngsville Bypass	0.75	LS	\$ 197,000.00	\$ 147,750.00
			Roundabout	2.00	LS	\$ 25,000.00	\$ 50,000.00
			Thermo and Pavement Marking - 2 Lane, -L- Youngsville Bypass	0.75	Miles	\$ 66,000.00	\$ 49,500.00
			Thermo and Pavement Marking - Roundabout	2.00	LS	\$ 66,000.00	\$ 132,000.00
			Traffic Signal (New, mast arm type)	0	Each	\$ 500,000.00	\$ -
			Traffic Signal (Remove)	0	Each	\$ 75,000.00	\$ -
			Culverts				
			RCP Culvert (30")	146	LF	\$ 350.00	\$ 51,100.00
			Right-Of-Way				
			Proposed Right of way	10.0	LS		\$ 321,000.00
			Utility Construction				
			Relocate Existing Water Line (-L- Youngsville Bypass)	0.75	LS	\$ -	\$ 1,123,217.70
			Relocate Existing Sewer Line (-L- Youngsville Bypass)	0.75	LS	\$ -	\$ 1,123,217.70
			Miscellaneous (10% Strs & Util)				\$ 261,853.54
			Miscellaneous (40% Roadway)				\$ 2,949,761.95

Lgth _____ Miles

Contract Cost \$ 13,815,255.78

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E. & C. 16%	\$	2,210,440.92
Construction Cost	\$	16,025,696.71
SAY	\$	16,026,000.00