

North Carolina Department of Transportation
Preliminary Estimate

TIP No.
Route
From
Typical Section

TIP Number
Youngsville By-Pass Alt 2

Conceptual

County: _____

CONSTR. COST
\$21,813,122

Prepared By: APW
Requested By:
Priced By:

Date
5/20/2024

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Mobilization	1	LS	\$ 686,000.00	\$ 686,000.00
			Construction Surveying	1	LS	\$ 144,800.00	\$ 144,800.00
			Clearing and Grubbing	17.0	Acre	\$ 66,000.00	\$ 1,122,000.00
			Supplemental Clearing and Grubbing	2	Acre	\$ 10,000.00	\$ 20,000.00
			Earthwork				
			Unclassified Excavation	9,490	CY	\$ 23.00	\$ 218,270.00
			Borrow Excavation	27,120	CY	\$ 20.00	\$ 542,400.00
			Removal of Existing Pavement (Asphalt or Concrete)	1,880	SY	\$ 16.00	\$ 30,080.00
			Drainage				
			Drainage New Location: -L- Youngsville Bypass C&G & Shoulder	1.04	Miles	\$ 730,000.00	\$ 760,416.67
			Drainage Existing Location -Y- Alignments Shoulder	0.39	Miles	\$ 80,000.00	\$ 30,863.64
			Pavement (Asphalt or Concrete)				
			Fine Grading	21,080	SY	\$ 5.00	\$ 105,400.00
			New Pavement	17,030	SY	\$ 170.00	\$ 2,895,100.00
			Pavement Widening	4,050	SY	\$ 190.00	\$ 769,500.00
			Pavement Resurfacing	6,870	SY	\$ 30.00	\$ 206,100.00
			Subgrade Stabilization	21,080	SY	\$ -	\$ -
			2'-6" Concrete Curb and Gutter	5,500	LF	\$ 45.00	\$ 247,500.00
			4" Concrete Sidewalk	5,970	SY	\$ 65.00	\$ 388,050.00
			5" Monolithic Islands	100	SY	\$ 150.00	\$ 15,000.00
			Erosion Control	17.0	Acres	\$ 53,000.00	\$ 901,000.00
			Signing				
			-L- Youngsville Bypass	1.04	Miles	\$ 33,000.00	\$ 34,375.00
			-Y- Alignments	0.39	Miles	\$ 33,000.00	\$ 12,731.25
			Traffic Control				
			-L- Youngsville Bypass	1.04	LS	\$ 197,000.00	\$ 205,208.33
			Thermo and Pavement Marking - 2 Lane, -L- Youngsville Bypass	1.04	Miles	\$ 66,000.00	\$ 68,750.00
			Traffic Signal (New, mast arm type)	2	Each	\$ 500,000.00	\$ 1,000,000.00
			Traffic Signal (Remove)	1	Each	\$ 75,000.00	\$ 75,000.00
			Culverts				
			RCP Culvert (30")	146	LF	\$ 350.00	\$ 51,100.00
			Right-Of-Way				
			Proposed Right of way	9.66	LS		\$ 321,000.00
			Utility Construction				
			Relocate Existing Water Line (-L- Youngsville Bypass)	1.04	LS	\$ -	\$ 1,844,301.20
			Relocate Existing Sewer Line (-L- Youngsville Bypass)	1.04	LS	\$ -	\$ 1,844,301.20
			Miscellaneous (10% Strs & Util)				\$ 406,070.24
			Miscellaneous (40% Roadway)				\$ 3,859,097.95

Lgth _____ Miles

Contract Cost	\$ 18,804,415.48
E. & C. 16%	\$ 3,008,706.48
Construction Cost	\$ 21,813,121.96
SAY	\$ 21,814,000.00