

North Carolina Department of Transportation  
Preliminary Estimate

TIP No.  
Route  
From  
Typical Section

**TIP Number**  
Youngsville By-Pass Alt 2 (roundabouts)

**Conceptual**

County: \_\_\_\_\_

**CONSTR. COST**  
**\$21,935,183**

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	\$ 149,500.00	\$ 149,500.00
			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
			<b>Earthwork</b>				
			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)	4,570	SY	\$ 16.00	\$ 73,120.00
			<b>Drainage</b>				
			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
			<b>Pavement (Asphalt or Concrete)</b>				
			Fine Grading	24,610	SY	\$ 5.00	\$ 123,050.00
			New Pavement	22,160	SY	\$ 170.00	\$ 3,767,200.00
			Pavement Widening	2,450	SY	\$ 190.00	\$ 465,500.00
			Pavement Resurfacing	3,850	SY	\$ 30.00	\$ 115,500.00
			Subgrade Stabilization	24,610	SY	\$ -	\$ -
			<b>2'-6" Concrete Curb and Gutter</b>	5,550	LF	\$ 45.00	\$ 249,750.00
			<b>4" Concrete Sidewalk</b>	5,950	SY	\$ 65.00	\$ 386,750.00
			<b>5" Monolithic Islands</b>	880	SY	\$ 150.00	\$ 132,000.00
			<b>7" Conc. Truck Apron</b>	550	SY	\$ 210.00	\$ 115,500.00
			<b>Erosion Control</b>	17.0	Acres	\$ 53,000.00	\$ 901,000.00
			<b>Signing</b>				
			-L- Youngsville Bypass	1.04	Miles	\$ 33,000.00	\$ 34,375.00
			-Y- Alignments	0.39	Miles	\$ 33,000.00	\$ 12,731.25
			<b>Roundabout</b>	1.00	LS	\$ 10,000.00	\$ 10,000.00
			<b>Traffic Control</b>				
			-L- Youngsville Bypass	1.04	LS	\$ 197,000.00	\$ 205,208.33
			<b>Roundabout</b>	1.00	LS	\$ 25,000.00	\$ 25,000.00
			Thermo and Pavement Marking - 2 Lane, -L- Youngsville Bypass	1.04	Miles	\$ 66,000.00	\$ 68,750.00
			<b>Thermo and Pavement Marking - Roundabout</b>	0.18	Miles	\$ 66,000.00	\$ 11,880.00
			<b>Traffic Signal (New, mast arm type)</b>	1	Each	\$ 500,000.00	\$ 500,000.00
			Traffic Signal (Remove)	1	Each	\$ 75,000.00	\$ 75,000.00
			<b>Culverts</b>				
			RCP Culvert (30")	146	LF	\$ 350.00	\$ 51,100.00
			<b>Right-Of-Way</b>				
			Proposed Right of way	9.66	LS		\$ 321,000.00
			<b>Utility Construction</b>				
			Relocate Existing Water Line (-L- Youngsville Bypass)	1.04	LS	\$ -	\$ 1,687,300.00
			Relocate Existing Sewer Line (-L- Youngsville Bypass)	1.04	LS	\$ -	\$ 1,687,300.00
			Miscellaneous (10% Strs & Util)				\$ 374,670.00
			Miscellaneous (40% Roadway)				\$ 3,986,505.95

Lgth \_\_\_\_\_ Miles

Contract Cost ..... \$ 18,909,640.84  
E. & C. 16% ..... \$ 3,025,542.53  
Construction Cost ..... \$ 21,935,183.38  
SAY ..... \$ 21,936,000.00