Benns Church and Turner Drive Intersection Improvements

Engineer's Opinion of Probable Construction Costs

Planning Level OPC

UPC #124999

5/4/2026

Bid Item	VDOT SPEC. REF.	Description	Quantity	Units	Unit Price	Cost
		General Items				
1	513	MOBILIZATION	1	LS	$325,000	$325,000
2	517	CONSTRUCTION SURVEYING (CONSTR.)	1	LS	$50,000	$50,000
3	301	CLEARING AND GRUBBING	1	LS	$40,000	$40,000
4	303	REGULAR EXCAVATION	6200	CY	$30	$186,000
5	303	BORROW EXCAVATION	3900	CY	$30	$117,000
6	303	SWM EXCAVATION	10000	CY	$30	$300,000
		Pavement Items				
6	515	FLEXIBLE PAVE. PLANING 0"-2"	5570	SY	$15	$83,550
7	315	ASPHALT CONCRETE TY. SM-9.5A	1740	TON	$140	$243,600
8	315	ASPHALT CONCRETE TY. IM-19.0A	2140	TON	$120	$256,800
9	315	ASPHALT CONCRETE TY. BM-25.0A	1780	TON	$100	$178,000
10	315	AGGR. BASE MATL. TY. I NO. 21A OR 21B	2850	TON	$70	$199,500
11	PLAN	ROUNDABOUT APRON	390	SY	$60	$23,400
		Incidental Items				
12	502	STD. COMB. CURB CG-2	280	LF	$65	$18,200
13	502	STD. COMB CURB CG-3	580	LF	$70	$40,600
14	502	STD. COMB. CURB & GUTTER CG-6	860	LF	$80	$68,800
15	502	MEDIAN ISLAND, MS-1	370	SY	$220	$81,400
16	504	CG-12 DETECTABLE WARNING SURFACE	40	SY	$800	$32,000
17	504	HYDRAULIC CEMENT CONC. SIDEWALK 4"	590	SY	$80	$47,200
18	504	HYDRAULIC CEMENT CONC. SIDEWALK 7"	150	SY	$180	$27,000
		Drainage Items				
19	302	15" CONC. PIPE	900	LF	$300	$270,000
20	302	24" CONC. PIPE	300	LF	$350	$105,000
21	302	DROP INLET DI-1	4	EA	$10,000	$40,000
22	302	DROP INLET DI-3A	13	EA	$10,000	$130,000
23	302	MANHOLE, MH-1 OR 2	17	LF	$2,000	$34,000
24	302	MANHOLE FRAME AND COVER	17	EA	$1,000	$17,000
25	302	15" END SECTION	6	EA	$4,000	$24,000
26	302	24" END SECTION	3	EA	$5,000	$15,000
27	414	EROSION CONTROL STONE EC-1, CL I	16	TON	$150	$2,400
28	PLAN	SWM FACILITY	1	LS	$250,000	$250,000
		Signing and Marking Items				
29	704	SIGNING AND MARKING	1	LS	$80,000	$80,000
		Traffic Signal Items				
30	700	TRAFFIC SIGNAL	1	LS	$600,000	$600,000
31	PLAN	REMOVE EXISTING TRAFFIC SIGNAL POLE & EQUIPMENT	1	LS	$15,000	$15,000
		Utility Relocations				
32	510	MISC UTILITY	1	LS	$150,000	$150,000
		Erosion & Sediment Control Items				
33	300	EROSION & SEDIMENT CONTROL	1	LS	$75,000	$75,000
34	244	ROADSIDE DEVELOPMENT	1	LS	$75,000	$75,000
		Demolition, Relocation, and Removal Items				
35	508	DEMOLITION OF PAVEMENT FLEXIBLE	1233	SY	$15	$18,500
36	510	SAW-CUT ASPH CONC (FULL DEPTH)	2200	LF	$10	$22,000
37	510	MISC DEMOLITION	1	LS	$100,000	$100,000
		Maintenance of Traffic				
38	512	MAINTENANCE OF TRAFFIC	1	LS	$400,000	$400,000
		Base Bid Estimate SUBTOTAL				**$ 4,740,950**
		Contingency (20%)				**$ 948,190**
		CEI (15%)				**$ 853,371**
		TOTAL CN Estimate				**$ 6,543,000**
		PE COST				**$ 996,000**
		RW COST				**$ -**
		VDOT OVERSIGHT(PE)				**$ 20,000**
		VDOT OVERSIGHT (CN)				**$ 80,000**
		TOTAL PROJECT COST				**$ 7,639,000**

**Pavement design has not been conducted, the following pavement thickness is a conservative assumption:*

2" - Surface Mix 9.5A

3" - Intermediate Mix 19.0A

5" - Base Mix 25.0A

8" - 21A or 21B Stone

The Consultant has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Consultant at this time and represent only the Consultant's judgment as a design professional familiar with the construction industry. The Consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.