Road 76 Overcrossing Study

Conceptual Cost Estimate - Amended 02/27/2023

Item	Unit	Quantity	Unit Cost	Cost	%
Preparation					
Clearing & Grubbing	AC	5.58	$ 7,200.00	$ 40,152.89	0.3%
Sawcut	LF	500	$ 25.00	$ 12,500.00	0.1%
Removing Bituminous Pavement	SY	150	$ 20.00	$ 3,000.00	0.0%
Removing Sign	EA	7	$ 250.00	$ 1,750.00	0.0%
Removing Paint Line	LF	700	$ 1.00	$ 700.00	0.0%
Light Pole Removal	EA	1	$ 5,000.00	$ 5,000.00	0.0%
Earthwork					
Excavation	CY	4632	$ 30.00	$ 138,960.00	1.1%
Gravel Borrow	TON	28012	$ 35.00	$ 980,416.22	7.9%
Shoring & Extra Excavation	CY	0	$ 30.00	$ -	0.0%
Surfacing					
CSBC	TON	4691	$ 40.00	$ 187,652.11	1.5%
CSTC	TON	1626	$ 60.00	$ 97,539.54	0.8%
Roadway HMA	TON	1793	$ 135.00	$ 242,040.94	2.0%
Commercial HMA (for trail)	TON	1010	$ 100.00	$ 100,956.81	0.8%
Structural					
Bridge Structure	SF	16185	$ 550.00	$ 8,901,750.00	71.9%
Retaining Wall at Abutments	SF	150	$ 150.00	$ 22,500.00	0.2%
Drainage					
12" Pipe	LF	5000	$ 75.00	$ 375,000.00	3.0%
Type 1 CB	EA	6	$ 2,000.00	$ 12,000.00	0.1%
Other					
ADA Ramps	EA	2	$ 3,000.00	$ 6,000.00	0.0%
Conc. Sidewalk	SY	2661	$ 100.00	$ 266,111.11	2.1%
Curb & Gutter	LF	5475	$ 50.00	$ 273,750.00	2.2%
Traffic Signal	EA	1	$ 350,000.00	$ 350,000.00	2.8%
Light Pole	EA	6	$ 10,000.00	$ 60,000.00	0.5%
Pavement Markings	LF	9090	$ 5.00	$ 45,450.00	0.4%
Permanent Signing	LS	1	$ 12,000.00	$ 12,000.00	0.1%
Maintenance of Traffic	LS	1	$ 200,000.00	$ 200,000.00	1.6%
I-182 Median Barrier	LS	1	$ 50,000.00	$ 50,000.00	0.4%
Chain Link Fence	LF	290	$ 75.00	$ 21,750.00	0.2%
			Item Sub-Total	**$ 12,385,229.61**	100.0%

Lump Sum Percentages				
Mobilization (7%)	LS	1	$ 866,966.07	$ 866,966.07
Landscaping (5%)	LS	1	$ -	$ -
			Lump Sum Sub-Total	**$ 866,966.07**
			Item + Lump Sum Total	**$ 13,252,195.68**
Design Contingency	30%			$ 3,975,658.71
	or 40%		**Sub-Total**	**$ 17,227,854.39**

Design & Permitting	20%			$ 3,445,570.88
Construction Admin	20%			$ 3,445,570.88
Material Testing	LS	1		$ 100,000.00
WSDOT Inspection	LS	1		$ 50,000.00
			Sub-Total	**$ 24,268,996.14**

NW Property	SF	20040		
NE Property	SF	47045		
SE Property	SF	3050		
SW Property	SF	121970		
ROW Acquisition	SF	192105	$ 5.00	$ 960,525.00
ROW Administration	LS	1		$ 300,000.00
			Sub-Total	**$ 25,529,521.14**

Grand Total	**$ 25,529,521.14**