



PROJECT: HINSDALE / BRATTLEBORO  
 SUBJECT: NH 119 OVER CONNECTICUT RIVER  
 TITLE: PRELIM PLANS ESTIMATE

Project: 12210C  
 Designer & User: WPS  
 date: 10/11/2017  
 Checker:

**SUMMARY OF BRIDGE QUANTITIES**

Item No.	Item Description	Quantity	Unit	Unit Price:	Cost:
1	207.1 Common Channel Excavation	351	CY	\$ 25.00	\$ 8,775
2	209.201 Granular Backfill Bridge (F)	1407	CY	\$ 45.00	\$ 63,315
3	403.11 Hot Bituminous Pavement, Machine Method	722	Ton	\$ 75.00	\$ 54,150
4	403.61 Pavement Joint Adhesive (Bridge Base)	8920	LF	\$ 1.50	\$ 13,380
5	403.911 Hot Bituminous Bridge Pavement, 1" Base Course (F)	447	Ton	\$ 160.00	\$ 71,520
6	500.02 Access for Bridge Construction	1	U	\$ 6,000,000.00	\$ 6,000,000
7	503.201 Cofferdams	6	U	\$ 100,000.00	\$ 600,000
8	504.1 Common Bridge Excavation (F)	3306	CY	\$ 35.00	\$ 115,710
9	508. Structural Fill	145	CY	\$ 75.00	\$ 10,875
10	510.1 Pile Driving Equipment	1	U	\$ 50,000.00	\$ 50,000
11	510.61 Furnishing & Driving Steel Bearing Piles	2544696	LB	\$ 0.50	\$ 1,272,348
12	510.65 Driving-Points for Steel Bearing Piles	297	EA	\$ 180.00	\$ 53,460
13	510.9 Pile Splices	594	EA	\$ 50.00	\$ 29,700
14	520.0302 Concrete Class AA, Approach Slabs (QC/QA) (F)	77	CY	\$ 570.00	\$ 43,890
15	520.12 Concrete Class A, Above Footing (F)	2497	CY	\$ 1,000.00	\$ 2,497,000
16	520.213 Concrete Class B, Footings (On Soil) (F)	965	CY	\$ 600.00	\$ 579,000
17	520.351 Form Liner for Concrete (F)	518	SY	\$ 10.00	\$ 5,180
18	520.6 Concrete Class T, Foundation Seal	1988	CY	\$ 350.00	\$ 695,800
19	520.70026 Concrete Bridge Deck (QC/QA) (Panel Option) (F)	3697	CY	\$ 850.00	\$ 3,142,450
20	534.3 Water Repellent (Silane-Siloxane)	552	GAL	\$ 150.00	\$ 82,800
21	538.2 Barrier Membrane, Peel and Stick, Vertical Surfaces (F)	48	SY	\$ 150.00	\$ 7,200
22	538.6 Barrier Membrane, Heat Welded, Machine Method (F)	7933	SY	\$ 25.00	\$ 198,325
23	541.1 PVC Waterstops, NH Type 1 (F)	82	LF	\$ 10.00	\$ 820
24	541.3 PVC Waterstops, NH Type 3 (F)	54	LF	\$ 10.00	\$ 540
25	541.4 PVC Waterstops, NH Type 4 (F)	108	LF	\$ 10.00	\$ 1,080
26	544. Reinforcing Steel (F)	254383	LB	\$ 1.25	\$ 317,979
27	544.2 Reinforcing Steel, Epoxy Coated	1004134	LB	\$ 1.60	\$ 1,606,614
28	544.7 Synthetic Fiber Reinforcement	539	LB	\$ 8.25	\$ 4,447
29	547. Shear Connector (F)	25255	EA	\$ 5.25	\$ 132,589
30	548.21 Elastomeric Bearing Assemblies (F)	25	EA	\$ 1,200.00	\$ 30,000
31	550.1 Structural Steel (F)	6336900	LB	\$ 1.75	\$ 11,089,575
32	550.2101 Bridge Shoes - HLMR	20	EA	\$ 2,500.00	\$ 50,000
33	561.20 Prefabricated Modular Bridge Joint System (F)	102	LF	\$ 1,750.00	\$ 178,500
34	562.1 Silocon Joint Sealant (F)	178	LF	\$ 15.00	\$ 2,670
35	563.23 Bridge Rail T3 (F)	1383	LF	\$ 135.00	\$ 186,705
36	563.231 Bridge Rail T3 With Protective Screening (F)	162	LF	\$ 180.00	\$ 29,160
37	563.233 Bridge Rail T3 With Snow Screening (F)	226	LF	\$ 180.00	\$ 40,680
38	563.24 Bridge Rail T4 (F)	1412	LF	\$ 141.00	\$ 199,092
39	563.241 Bridge Rail T4 With Protective Screening (F)	166	LF	\$ 205.00	\$ 34,030
40	563.243 Bridge Rail T4 With Snow Screening (F)	226	LF	\$ 205.00	\$ 46,330
41	564.1 Bridge Lighting System	1	U	\$ 50,000.00	\$ 50,000
42	565.232 Bridge Approach Rail T3 (Steel Posts) (F)	2	U	\$ 5,500.00	\$ 11,000
43	565.242 Bridge Approach Rail T4 (Steel Posts) (F)	2	U	\$ 6,000.00	\$ 12,000
44	585.2 Stone Fill, Class B	36	CY	\$ 27.00	\$ 972
45	609.01 Straight Granite Curb	64	LF	\$ 22.00	\$ 1,408
46	609.02 Curved Granite Curb	64	LF	\$ 32.00	\$ 2,048
47	692. Mobilization	1	U	\$ 1,184,924.67	\$ 1,184,925
48	1002.1 Repairs or Replacements as Required - Bridge Structures	1	\$	\$ 2,829,647.02	\$ 2,829,647
49	1030. Construction Engineering	1	\$	\$ 2,962,311.67	\$ 2,962,312
50					
51	Rehabilitation of Existing Truss Bridges				\$ 8,000,000.00
52					
				Total:	\$ 44,600,000