

Estimate BHF 020-2(32)

Estimated Cost: \$3,060,781.60

Contingency: 0.00%

Estimated Total: \$3,060,781.60

U.S. ROUTE 4 OVER OTTAUQUECHEE RIVER - WOODSTOCK, VT

Letting Date: 10/25/06

Spec Year: 01

Unit System: E

Work Type: BRIDGE REHABILITATION

Highway Type: LOCAL

Urban/Rural Type: URBAN

Season: CONSTRUCTION SEASON BIDS (4/15 - 10/15)

County: WOODSTOCK

Prepared by L.S. Gardner on 10/11/06

Checked by J.T. Klein on 10/11/06

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
Group 1011: ROADWAY					
0005	201.10	1.000	LS	\$2,500.00000	\$2,500.00
CLEARING AND GRUBBING (INCL. INDV. TREES AND STUMPS)					
0010	203.15	875.000	CY	\$9.30281	\$8,139.96
COMMON EXCAVATION					
0015	204.20	130.000	CY	\$17.64889	\$2,294.36
TRENCH EXCAVATION OF EARTH					
0020	210.10	785.000	SY	\$14.97665	\$11,756.67
COLD PLANING-BIT.PAVEMENT					
0025	301.15	625.000	CY	\$21.75607	\$13,597.54
SUBBASE OF GRAVEL					
0030	404.65	4.000	CWT	\$1,533.40503	\$6,133.62
EMULSIFIED ASPHALT					
0035	406.25	525.000	TON	\$127.65742	\$67,020.15
BITUMINOUS CONCRETE PAVEMENT (PG 58-34)					
0040	527.10	1.000	LS	\$10,000.00000	\$10,000.00
MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS (MOD.)					
0045	601.0215	162.000	LF	\$0.00000	\$0.00
18" CAAP .060 (2-2/3 X 1/2) ** BEGIN PIPE OPTIONS A**					
0050	601.0415	162.000	LF	\$0.00000	\$0.00
18" PCCSP .064 (2-2/3 X 1/2)					
0055	601.0815	162.000	LF	\$0.00000	\$0.00
18" RCP CLASS III					
0060	601.2615	162.000	LF	\$46.97282	\$7,609.60
18" CPEP(SL) ** END PIPE OPTIONS A**					
0065	601.0215	61.000	LF	\$0.00000	\$0.00
18" CAAP .060 (2-2/3 X 1/2) ** BEGIN PIPE OPTIONS B**					
0070	601.0415	61.000	LF	\$0.00000	\$0.00
18" PCCSP .064 (2-2/3 X 1/2)					
0075	601.2615	61.000	LF	\$46.97282	\$2,865.34
18" CPEP(SL) ** END PIPE OPTIONS B**					
0080	604.20	3.000	EACH	\$1,519.56915	\$4,558.71
PRECAST REINFORCED CONC. CATCH BASIN WITH CAST IRON GRATE					
0085	604.30	1.000	EACH	\$2,016.06393	\$2,016.06
PRC CURB DROP INLET WITH CAST IRON GRATE					
0090	616.21	480.000	LF	\$37.89241	\$18,188.36
VERTICAL GRANITE CURB					
0095	616.41	263.000	LF	\$8.32408	\$2,189.23
REMOVAL OF EXISTING CURB					
0100	618.10	167.000	SY	\$55.46194	\$9,262.14
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (MOD.)					
0105	618.30	3.000	SY	\$61.90804	\$185.72
DETECTABLE WARNING SURFACE					
0110	619.17	6.000	EACH	\$27.19121	\$163.15
YIELDING MARKER POSTS					
0115	620.50	15.000	LF	\$40.40801	\$606.12
REMOVING AND RESETTING FENCE (MOD. - STONE WALL)					
0120	620.70	335.000	LF	\$3.62036	\$1,212.82
SNOW FENCE					

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	Description Supplemental Description				
	(MOD. - ARCH)				
0125	620.70 SNOW FENCE (MOD. - PDF)	510.000	LF	\$3.62036	\$1,846.38
0130	621.21 HEAVY DUTY STEEL BEAM GUARD RAIL (GALVANIZED)	155.000	LF	\$21.21844	\$3,288.86
0135	621.60 ANCHOR FOR STEEL BEAM RAIL	3.000	EACH	\$500.67864	\$1,502.04
0140	621.74 ALUMINUM APPROACH RAILING (ANODIZED BLACK)	257.000	LF	\$135.75945	\$34,890.18
0145	621.80 REMOVL AND DISP OF GUARD RAIL	335.000	LF	\$2.90951	\$974.69
0150	621.90 TEMPORARY TRAFFIC BARRIER (MOD.)	1,010.000	LF	\$18.53229	\$18,717.61
0155	630.10 UNIFORMED TRAFFIC OFFICERS	700.000	HR	\$46.51125	\$32,557.87
0160	630.15 FLAGGERS	600.000	HR	\$20.56225	\$12,337.35
0165	641.10 TRAFFIC CONTROL	1.000	LS	\$250,000.00000	\$250,000.00
0170	641.12 PUBLIC RELATIONS OFFICER	1.000	LS	\$10,000.00000	\$10,000.00
0175	641.17 PORTABLE CHANGEABLE MESSAGE SIGN RENTAL	350.000	DAY	\$200.00000	\$70,000.00
0180	646.41 DURABLE 4" YELLOW LINE	900.000	LF	\$0.66979	\$602.81
0185	646.46 DURABLE 24" STOP BAR	15.000	LF	\$6.85065	\$102.76
0190	646.51 DURABLE CROSSWALK MARKING W/DIAGONAL LINES	35.000	LF	\$21.10860	\$738.80
0195	646.61 TEMPORARY 4" YELLOW LINE (PAINT)	900.000	LF	\$0.38382	\$345.44
0200	646.76 LINE STRIPING TARGETS	55.000	EACH	\$2.72017	\$149.61
0205	651.35 TOPSOIL	84.000	CY	\$40.46489	\$3,399.05
0210	675.20 TRAFFIC SIGNS, TYPE A	6.300	SF	\$17.94986	\$113.08
0215	675.301 FLANGED CHANNEL SIGN POST ** BEGIN SIGN POST OPTIONS **	45.000	LF	\$0.00000	\$0.00
0220	675.341 SQUARE TUBE SIGN POSTS AND ANCHOR ** END SIGN POST OPTIONS **	45.000	LF	\$9.82932	\$442.32
0225	675.50 REMOVING SIGNS	12.000	EACH	\$9.23408	\$110.81
0230	675.60 ERECTING SALVAGED SIGNS	9.000	EACH	\$38.10576	\$342.95
0235	678.23 WIRED CONDUIT (2")(PVC)	110.000	LF	\$10.27487	\$1,130.24
0240	678.25 PULL BOX - STANDARD	1.000	EACH	\$1,541.28903	\$1,541.29
0245	678.30 ELECTRICAL CONDUIT SLEEVE	40.000	LF	\$48.86143	\$1,954.46

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<u>Supplemental Description</u>					

(6")(PVC)

0250	995.10	1.000	LU	\$30,000.00000	\$30,000.00
INCENTIVE/DISINCENTIVE WORK ORDER (N.A.B.I.)					

Total for Group 1011: \$647,388.15

Group 1051: EROSION CONTROL

0255	301.15	60.000	CY	\$21.75607	\$1,305.36
SUBBASE OF GRAVEL					
0265	609.10	50.000	MGAL	\$50.00000	\$2,500.00
DUST CONTROL WITH WATER					
0270	609.15	2.000	TON	\$453.11599	\$906.23
DUST AND ICE CONTROL WITH CALCIUM CHLORIDE					
0275	613.10	10.000	CY	\$52.81345	\$528.13
STONE FILL, TYPE I					
0280	613.10	5.000	CY	\$52.81345	\$264.07
STONE FILL, TYPE I (MOD. - CHECK DAM)					
0285	613.10	15.000	CY	\$52.81345	\$792.20
STONE FILL, TYPE I (MOD. - CONSTRUCTION ENTRANCE)					
0290	613.10	5.000	CY	\$52.81345	\$264.07
STONE FILL, TYPE I (MOD. - INLET PROTECTION)					
0295	613.11	60.000	CY	\$46.03860	\$2,762.32
STONE FILL, TYPE II					
0300	649.31	270.000	SY	\$3.90273	\$1,053.74
GEOTEXTILE UNDER STONE FILL					
0305	649.51	290.000	SY	\$5.97717	\$1,733.38
GEOTEXTILE FOR SILT FENCE					
0310	649.61	200.000	SY	\$10.49520	\$2,099.04
GEOTEXTILE FOR FILTER CURTAIN					
0315	651.15	70.000	LB	\$8.03937	\$562.76
SEED					
0320	651.18	500.000	LB	\$1.74388	\$871.94
FERTILIZER					
0325	651.20	2.000	TON	\$451.64521	\$903.29
AGRICULTURAL LIMESTONE					
0330	651.25	2.000	TON	\$599.93131	\$1,199.86
HAY MULCH					
0340	651.40	90.000	SY	\$11.95850	\$1,076.27
GRUBBING MATERIAL					
0345	652.10	1.000	LS	\$3,500.00000	\$3,500.00
EROSION PREVENTION & SEDIMENT CONTROL PLAN					
0350	652.20	100.000	HR	\$80.00000	\$8,000.00
MONITORING EROSION PREVENTION & SEDIMENT CONTROL PLAN					
0355	652.30	1.000	LU	\$7,500.00000	\$7,500.00
MAINTENANCE OF EROSION PREVENTION & SEDIMENT CONTROL PLAN (N.A.B.I.)					
0360	654.10	240.000	SY	\$3.50159	\$840.38
EROSION MATTING					

Total for Group 1051: \$38,663.04

Group 1211: BRIDGE NO. 1

0365	204.30	60.000	CY	\$50.17831	\$3,010.70
GRANULAR BACKFILL FOR STRUCTURES					

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<u>Description</u>					
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0370	208.30	80.000	CY	\$50.00000	\$4,000.00
COFFERDAM EXCAVATION,EARTH					
0375	208.40	1.000	LS	\$5,000.00000	\$5,000.00
COFFERDAM (PIER 1)					
0380	208.40	1.000	LS	\$2,500.00000	\$2,500.00
COFFERDAM (PIER 2)					
0385	501.32	145.000	CY	\$1,200.00000	\$174,000.00
CONCRETE, HIGH PERFORMANCE CLASS AA (MOD. - RAPID CURE)					
0390	501.33	52.000	CY	\$1,000.00000	\$52,000.00
CONCRETE, HIGH PERFORMANCE CLASS A (MOD.)					
0395	501.34	109.000	CY	\$621.29689	\$67,721.36
CONCRETE, HIGH PERFORMANCE CLASS B					
0400	501.34	169.000	CY	\$750.00000	\$126,750.00
CONCRETE, HIGH PERFORMANCE CLASS B (MOD. - SCC)					
0405	502.10	1.000	LS	\$40,000.00000	\$40,000.00
SHORING SUPERSTRUCTURE					
0410	504.10	1.000	LS	\$1,000.00000	\$1,000.00
FURNISHING EQUIPMENT FOR DRIVING PILING					
0415	505.35	1,200.000	SF	\$25.00000	\$30,000.00
PERMANENT STEEL SHEET PILING (33.1 IN^3)					
0420	505.35	4,875.000	SF	\$28.00000	\$136,500.00
PERMANENT STEEL SHEET PILING (45.3 IN^3)					
0425	507.15	13,850.000	LB	\$1.19940	\$16,611.69
REINFORCING STEEL					
0430	507.16	46.000	LF	\$25.00000	\$1,150.00
DRILLING AND GROUTING DOWELS					
0435	507.17	24,020.000	LB	\$1.19659	\$28,742.09
EPOXY COATED REINFORCING STEEL					
0440	508.15	1.000	LS	\$1,500.00000	\$1,500.00
SHEAR CONNECTORS (80 - 7/8" x 10") (MOD. - SHEET PILE)					
0445	508.15	1.000	LS	\$3,500.00000	\$3,500.00
SHEAR CONNECTORS (210 - 7/8" x 13") (MOD. - SHEET PILE)					
0450	510.21	199.000	LF	\$400.00000	\$79,600.00
PRESTRESSED CONCRETE BOX BEAMS (27"x36")(MOD. - LIGHTWEIGHT)					
0455	510.21	1,586.000	LF	\$450.00000	\$713,700.00
PRESTRESSED CONCRETE BOX BEAMS (27"x48")(MOD. - LIGHTWEIGHT)					
0460	510.24	1,388.000	LF	\$50.00000	\$69,400.00
GROUTING SHEAR KEYS					
0465	514.10	105.000	GAL	\$49.59368	\$5,207.34
WATER REPELLENT (MOD. - SILANE)					
0470	516.10	60.000	LF	\$113.79350	\$6,827.61
BRIDGE EXPANSION JOINT (ASPHALTIC PLUG)					
0475	519.20	630.000	SY	\$30.08630	\$18,954.37
SHEET MEMBRANE WATERPROOFING (MOD. - TORCH APPLIED)					
0480	524.11	26.000	LF	\$0.00000	\$0.00

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	JOINT SEALER HOT POURED ** BEGIN JOINT SEALER OPTIONS **				
0485	524.13 JOINT SEALER, COLD POURED ** END JOINT SEALER OPTIONS **	26.000	LF	\$38.22630	\$993.88
0490	525.22 BRIDGE RAILING - 3 RAIL ALUM (ANODIZED BLACK)	202.000	LF	\$458.87269	\$92,692.28
0495	525.23 BRIDGE RAILING-ALUMINUM/PEDESTRIAN (ANODIZED BLACK)	202.000	LF	\$163.52294	\$33,031.63
0500	529.10 REMOVAL OF BRIDGE PAVEMENT	627.000	SY	\$8.49831	\$5,328.44
0505	529.20 PARTIAL REMOVAL OF STRUCTURE	1.000	EACH	\$150,000.00000	\$150,000.00
0510	531.10 BEARING DEVICE ASSEMBLY (ELASTOMERIC)	108.000	EACH	\$947.92873	\$102,376.30
0515	580.14 REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS II (MOD. - SCC)	9.000	SY	\$518.87124	\$4,669.84
0520	580.15 REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS III (MOD. - SCC)	41.000	CY	\$1,338.50614	\$54,878.75
0525	602.25 STONE MASONRY FACING (MOD.)	230.000	SY	\$61.62454	\$14,173.64
0530	613.12 STONE FILL, TYPE III	131.000	CY	\$58.79690	\$7,702.39
0535	635.11 MOBILIZATION / DEMOBILIZATION	1.000	LS	\$278,252.69200	\$278,252.69
0540	678.23 WIRED CONDUIT (2")(PVC)	405.000	LF	\$15.26201	\$6,181.11
0545	678.26 JUNCTION BOX	8.000	EACH	\$494.33928	\$3,954.71
0555	679.45 LIGHT POLE (MOD.)	8.000	EACH	\$2,039.94908	\$16,319.59
0560	679.50 LUMINAIRE (MOD.)	8.000	EACH	\$1,200.00000	\$9,600.00

Total for Group 1211: \$2,367,830.41

Group 1999: FULL C.E. ITEMS

0565	631.10 FIELD OFFICE-ENGINEERS	1.000	LS	\$4,500.00000	\$4,500.00
0570	631.16 TESTING EQUIPMENT - CONCRETE	1.000	LS	\$500.00000	\$500.00
0575	631.17 TESTING EQUIPMENT - BITUMINOUS	1.000	LS	\$400.00000	\$400.00
0580	631.25 FIELD OFFICE - TELEPHONE (N.A.B.I.)	1.000	LU	\$1,500.00000	\$1,500.00

Total for Group 1999: \$6,900.00