

QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	BRIDGE 11N	BRIDGE 11S	EROSION CONTROL	TRAINING	TOTAL
203.99	SHOULDER BERM REMOVAL	L.F.	200	200			400
204.20	TRENCH EXCAVATION OF EARTH	C.Y.	5	5	70		80
210.10	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	845	845			1690
301.15	SUBBASE OF GRAVEL	C.Y.			300		300
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE	C.Y.	28	40			68
402.11	AGGREGATE SHOULDERS, TRUCK MEASUREMENT	C.Y.	21	25			46
406.25	BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	TON	890	890			1780
501.22	CONCRETE, CLASS A	C.Y.	128	131			259
501.22	CONCRETE, CLASS A (MOD.)	C.Y.	292	292			584
501.221	CONCRETE, CLASS A QC/QA	C.Y.	1095	1095			2190
502.11	SHORING SUPERSTRUCTURE BEARINGS	EA.	30	30			60
506.60	STRUCTURAL STEEL	LBS.	8450	10330			18780
507.15	REINFORCING STEEL	LBS.	3591	3591			7182
507.16	DRILLING AND GROUTING DOWELS	L.F.	520	520			1040
507.17	EPOXY COATED REINFORCING STEEL	LBS.	351091	352246			703337
508.15	SHEAR CONNECTORS (15120 - 7/8" DIA. x 7")	LS	0.5	0.5			1
513.25	STRUCTURAL PAINTING, SHOP APPLIED (9 TONS)	LS	0.5	0.5			1
513.30	STRUCTURAL PAINTING, FIELD APPLIED (1970 TONS)	LS	0.5	0.5			1
513.35	CONTAINMENT & ENVIRONMENTAL PROTECTION, SHOP (9 TONS)	LS	0.5	0.5			1
513.36	CONTAINMENT & ENVIRONMENTAL PROTECTION, FIELD (1970 TONS)	LS	0.5	0.5			1
513.40	SURFACE PREPARATION, SHOP (9 TONS)	LS	0.5	0.5			1
513.41	SURFACE PREPARATION, FIELD (1970 TONS)	LS	0.5	0.5			1
514.10	WATER REPELLENT	GAL.	235	235			470
516.10	BRIDGE EXPANSION JOINT	L.F.	97	97			194
519.20	SHEET MEMBRANE WATERPROOFING (MOD. - SPRAYED)	S.Y.	4010	4010			8020
525.10	REMOVAL OF EXISTING RAILING	L.F.	2473	2593			5066
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT	LS	0.5	0.5			1
529.10	REMOVAL OF BRIDGE PAVEMENT	S.Y.	3735	3735			7470
529.20	PARTIAL REMOVAL OF STRUCTURE	EA.	1	1			2
531.10	BEARING DEVICE ASSEMBLY (FABRIC PTFE EXPANSION)	EA.	10	10			20
531.10	BEARING DEVICE ASSEMBLY (STEEL REINFORCED ELASTOMERIC)	EA.	20	20			40
531.10	BEARING DEVICE ASSEMBLY (RETROFIT)	EA.	5	5			10
580.10	REPAIR OF CONCRETE SUPERSTRUCTURE SURFACE CLASS I (MOD.)	S.Y.	20	20			40
580.13	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS I	S.Y.	1	1			2
580.14	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS II	S.Y.	6	5			11
580.15	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS III	C.Y.	2	2			4
580.16	SURFACE PREPARATION FOR MEMBRANE	S.F.	80	80			160
580.17	RAPID SETTING CONCRETE REPAIR MATERIAL	C.F.	5	5			10
608.25	ALL PURPOSE EXCAVATOR RENTAL TYPE I	HR.			16		16
608.45	TRUCK MOUNTED ATTENUATOR	HR.	100	100			200
613.10	STONE FILL, TYPE I	C.Y.	15	15	70		100
613.11	STONE FILL, TYPE II	C.Y.		25			25
616.41	REMOVAL OF EXISTING CURB	L.F.	2195	2195			4390
621.20	STEEL BEAM GUARD RAIL	L.F.	190	463			653
621.21	HEAVY DUTY STEEL BEAM GUARD RAIL WITH STEEL POSTS	L.F.	127	127			254
621.505	MANUFACTURED TERMINAL SECTION	EA.	1	1			2
621.57	ENERGY ABSORPTION ATTENUATOR	EA.	2	2			4
621.70	GUARD RAIL APPROACH SECTION, TYPE I (MOD.)	EA.	2	2			4
621.71	GUARD RAIL APPROACH SECTION, TYPE II (MOD.)	EA.	2	2			4
621.75	REMOVING AND RESETTING GUARD RAIL	L.F.	413	225			638
621.77	REPLACE GUARD RAIL BEAM UNIT	EA.		3			3
621.80	REMOVAL AND DISPOSAL OF GUARD RAIL	L.F.	50	38			88
621.90	TEMPORARY TRAFFIC BARRIER	L.F.	2290	3420			5710
630.10	UNIFORMED TRAFFIC OFFICERS	HR.	200	200			400
630.15	FLAGGERS	HR.	350	350			700
631.10	FIELD OFFICE - ENGINEERS	LS	0.5	0.5			1
631.16	TESTING EQUIPMENT - CONCRETE	LS	0.5	0.5			1
631.17	TESTING EQUIPMENT - BITUMINOUS	LS	0.5	0.5			1
631.18	TESTING EQUIPMENT - PROTECTIVE COATINGS	LS	0.5	0.5			1
631.25	FIELD OFFICE TELEPHONE (NOT A BID ITEM)	LU	0.5	0.5			1
634.10	EMPLOYEE TRAINEESHIP	HR.				2080	2080
635.10	MOBILIZATION	LS	0.5	0.5			1
641.10	TRAFFIC CONTROL	LS	0.5	0.5			1
641.15	PORTABLE CHANGEABLE MESSAGE SIGN	EA.	1	1			2
641.16	PORTABLE ARROW BOARD	EA.	2	2			4

QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	BRIDGE 11N	BRIDGE 11S	EROSION CONTROL	TRAINING	TOTAL
646.414	DURABLE 6" WHITE LINE	L.F.	4700	4700			9400
646.415	DURABLE 6" YELLOW LINE	L.F.	1520	1520			3040
646.614	TEMPORARY 6" WHITE LINE	L.F.	900	1000			1900
646.614	TEMPORARY 6" WHITE LINE (TAPE, TYPE II)	L.F.	7680	7700			15380
646.615	TEMPORARY 6" YELLOW LINE	L.F.	900	1000			1900
646.615	TEMPORARY 6" YELLOW LINE (TAPE, TYPE II)	L.F.	7680	7700			15380
646.81	RAISED PAVEMENT MARKERS, TYPE II	EA.	880	900			1780
646.82	REMOVAL OF EXISTING PAVEMENT MARKINGS	S.F.	1850	550			2400
646.86	BLACK PAVEMENT MARKING MASKING TAPE	S.F.	200	210			410
649.51	GEOTEXTILE FOR SILT FENCE	S.Y.			820		820
651.15	SEED	LBS.			40		40
651.26	HAY BALES FOR EROSION CONTROL	EA.			80		80
654.10	EROSION MATTING	S.Y.			300		300

INDEX OF SHEETS

- COVER SHEET
- INDEX OF SHEETS & QUANTITIES
- GENERAL NOTES AND CONSTRUCTION NOTES
- PLAN AND ELEVATION
- TRANSVERSE SECTION
- DECK REINFORCEMENT (1 OF 3)
- DECK REINFORCEMENT (2 OF 3)
- DECK REINFORCEMENT (3 OF 3)
- FRAMING PLAN - BRIDGE 11N
- FRAMING PLAN - BRIDGE 11S
- STRUCTURAL STEEL REPAIRS TABLE & NOTES
- STRUCTURAL STEEL REPAIR DETAILS
- STUD SHEAR CONNECTOR LAYOUT & DETAILS
- SCUPPER DETAILS
- EXPANSION JOINT DETAILS (1 OF 2)
- EXPANSION JOINT DETAILS (2 OF 2)
- DOWNSPOUT DETAILS
- EXPANSION BEARING DETAILS (1 OF 2)
- EXPANSION BEARING DETAILS (2 OF 2)
- FIXED BEARING RETROFIT DETAILS (1 OF 2)
- FIXED BEARING RETROFIT DETAILS (2 OF 2)
- SUBSTRUCTURE CONCRETE REPAIR DETAILS
- ABUTMENT 1 REMOVAL & REPAIR AREAS
- ABUTMENT 2 REMOVAL & REPAIR AREAS
- ABUTMENT 3 REMOVAL & REPAIR AREAS
- ABUTMENT 4 REMOVAL & REPAIR AREAS
- ABUTMENT 1 & 2 MODIFICATIONS
- ABUTMENT 3 & 4 MODIFICATIONS
- ABUTMENT 1 & 2 REINFORCEMENT
- ABUTMENT 3 REINFORCEMENT
- ABUTMENT 4 REINFORCEMENT
- TYPICAL ABUTMENT DETAILS (1 OF 2)
- TYPICAL ABUTMENT DETAILS (2 OF 2)
- PIER 1 REPAIR AREAS
- PIER 2 REPAIR AREAS
- PIER 4 REPAIR AREAS
- PIER 6 REPAIR AREAS
- PIER 7 REPAIR AREAS
- APPROACH SLAB REPAIR & PVMNT. TRANSITION DETAILS
- GUARD RAIL APPROACH SECTION TYPE I (MOD.)
- GUARD RAIL APPROACH SECTION TYPE II (MOD.)
- BARRIER CURB END REINFORCEMENT
- REINFORCING STEEL SCHEDULE (1 OF 2)
- REINFORCING STEEL SCHEDULE (2 OF 2)
- GUARD RAIL APPROACHES LAYOUT
- TRAFFIC CONTROL PLAN - BR. 11N CLOSED (1 OF 2)
- TRAFFIC CONTROL PLAN - BR. 11N CLOSED (2 OF 2)
- TRAFFIC CONTROL PLAN - BR. 11S CLOSED (1 OF 2)
- TRAFFIC CONTROL PLAN - BR. 11S CLOSED (2 OF 2)

REFERENCE PLANS:

ORIGINAL DESIGN PLANS:

100. PLAN AND ELEVATION
101. BRIDGE QUANTITIES (1 OF 2)
102. BRIDGE QUANTITIES (2 OF 2)
103. PROJECT INFORMATION SHEET
104. BORINGS (1 OF 3)
105. BORINGS (2 OF 3)
106. BORINGS (3 OF 3)
107. DECK SLAB DETAILS
108. SPAN NO. 1 FRAMING PLAN
109. SPAN NO. 2 FRAMING PLAN
110. SPAN NO. 3 FRAMING PLAN
111. BRACING DETAILS
112. EXPANSION DAM DETAILS
113. FINGER PLATE, DRAIN PIPE, AND SCUPPER DETAILS
114. ABUTMENT AND PIER BEARING DEVICES
115. ABUTMENTS 1 AND 2
116. ABUTMENT 3
117. ABUTMENT 4 AND GIRDER BUMPERS
118. PIERS 1 AND 2
119. PIERS 3, 4, 7, AND 8
120. PIERS 5 AND 6
121. PIERS 9 AND 10
122. REINFORCING STEEL SCHEDULE (1 OF 3)
123. REINFORCING STEEL SCHEDULE (2 OF 3)
124. REINFORCING STEEL SCHEDULE (3 OF 3)

ORIGINAL DESIGN PLANS STANDARD SHEETS:

- SCB-D1-65
- SCB-D6-65
- SB-R1-64 (1 OF 2)
- SB-R1-64 (2 OF 2)
- SB-R2-65

ORIGINAL SHOP FABRICATION DRAWINGS:

- E1. BEARING LOCATION PLAN
- E2. INSPECTION WALKWAY PLAN
- E3. ERECTION PLAN
- E4. TYPICAL SECTIONS
- E5. LATERAL BRACING LAYOUT AT ABUTMENTS
- E6. LATERAL BRACING LAYOUT AT PIERS 1, 2, 9, & 10
- E7. LATERAL BRACING LAYOUT AT PIERS 3, 4, 7, & 8
- E8. LATERAL BRACING LAYOUT AT PIERS 5 & 6
- E9. LATERAL BRACING LAYOUT AT SPANS 2, 3, 4, & 5
- S11. SPLICE DETAILS
- S13. CAMBER DIAGRAMS
- S17. SECTIONS
- S18. SPECIAL DETAILS
- S19. STIFFENER DETAILS
- S20. STIFFENER DETAILS
- S21. LATERAL BRACING GUSSET DETAILS
- S22. LATERAL BRACING GUSSET DETAILS
- S53. INTERMEDIATE CROSS FRAME CF20
- S59. INTERMEDIATE CROSS FRAME CF28
- S61. INTERMEDIATE CROSS FRAME CF212
- S65. INTERMEDIATE CROSS FRAME CF220
- S67. LATERAL BRACING

STANDARD PLANS:

E-100	01/06/97	E-140	08/30/96
E-101	03/10/97	E-142	09/20/95
E-102	08/08/95	E-143	09/20/95
E-102A	08/08/95	E-150	01/15/97
E-103	08/08/95	E-151	08/08/95
E-104	12/31/96	E-152	08/08/95
E-104A	12/27/96	E-160	08/18/95
E-105	08/08/95	E-162	08/18/95
E-106	08/08/95	G-1	06/01/94
E-107	08/08/95	G-1d	06/01/94
E-107A	08/08/95	G-18	06/01/94
E-108	08/18/95	T-1	06/01/94
E-110	08/08/95	T-2	06/01/94
E-120	08/08/95		
E-121	08/08/95		
E-131	08/08/95		

NOTE:

1. SHEET NUMBERS USED IN THE ORIGINAL DESIGN PLANS AND ORIGINAL SHOP FABRICATION DRAWINGS ARE LISTED IN *ITALICS* AFTER THE NEW SHEET NUMBERS.

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	HARTFORD	Bridge No.	11N & 11S
		Log Sta.	
Highway No.	I-89 NB & SB	Surv. Sta.	
I-89 NB & SB OVER WHITE RIVER, VT 14 & NECR			
INDEX OF SHEETS & QUANTITIES			
Designed By	T.S. BRYANT	Drawn By	B.J. MASSE
Checked By	S.M. HODGDON	Date	9/98
		Bridge Design Supervisor	C.D. BAKER
		Date	9/98
PROJECT	HARTFORD	PROJECT NO.	IR 089-1(13)
VHB Cad Filename 50699LOS			
Bridge Sheet No.	2	Sheet	2 of 101

VANASSE HANGEN BRUSTLIN, INC.