

COMPOSITE QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL
203.99	SHOULDER BERM REMOVAL	LF	1600
204.20	TRENCH EXCAVATION OF EARTH	CY	60
204.25	STRUCTURE EXCAVATION	CY	720
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	340
210.10	COLD PLANING-BIT.PAVEMENT	SY	8970
213.10	MILLED RUMBLE STRIPS	LF	8850
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE	CY	100
404.65	EMULSIFIED ASPHALT	CWT	28
406.25	BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	TON	2640
501.221	CONCRETE, CLASS A QC/QA	CY	1840
501.25	CONCRETE, CLASS B	CY	1238
501.60	SILICA-FUME CONCRETE	CY	247
506.50	STRUCTURAL STEEL (ROLLED BEAM)	LB	310070
506.55	STRUCTURAL STEEL(PLATE GIRDER)	LB	1078330
506.60	STRUCTURAL STEEL	LB	4300
507.16	DRILLING AND GROUTING DOWELS	LF	1910
507.17	EPOXY COATED REINFORCING STEEL	LB	692200
507.19	MECHANICAL BAR CONNECTOR	EACH	40
508.15	SHEAR CONNECTORS (2280 - 7/8" x 7" LONG - BR 43N)	LS	1
508.15	SHEAR CONNECTORS (2760 - 7/8" x 7" LONG - BR 43S)	LS	1
508.15	SHEAR CONNECTORS (3140 - 7/8" x 7" LONG - BR 48N)	LS	1
508.15	SHEAR CONNECTORS (3140 - 7/8" x 7" LONG - BR 48S)	LS	1
508.15	SHEAR CONNECTORS (1190 - 7/8" x 7" LONG - BR 49N)	LS	1
508.15	SHEAR CONNECTORS (1190 - 7/8" x 7" LONG - BR 49S)	LS	1
508.15	SHEAR CONNECTORS (2720 - 7/8" x 7" LONG - BR 50N)	LS	1
508.15	SHEAR CONNECTORS (2980 - 7/8" x 7" LONG - BR 50S)	LS	1
513.25	STRUCTURAL PAINTING,SHOP APPLIED (BR 43N - 4 TONS)	LS	1
513.25	STRUCTURAL PAINTING,SHOP APPLIED (BR 43S - 4 TONS)	LS	1
513.25	STRUCTURAL PAINTING,SHOP APPLIED (BR 48N - 6 TONS)	LS	1
513.25	STRUCTURAL PAINTING,SHOP APPLIED (BR 48S - 6 TONS)	LS	1
513.25	STRUCTURAL PAINTING,SHOP APPLIED (BR 50N - 5 TONS)	LS	1
513.25	STRUCTURAL PAINTING,SHOP APPLIED (BR 50S - 5 TONS)	LS	1
513.30	STRUCTURAL PAINTING,FIELD APPLIED (BR 49N - 132 TONS)	LS	1
513.30	STRUCTURAL PAINTING,FIELD APPLIED (BR 49S - 132 TONS)	LS	1
513.35	CONTAINMENT & ENVIRONMENTAL PROTECTION,SHOP (BR 43N - 4 TONS)	LS	1
513.35	CONTAINMENT & ENVIRONMENTAL PROTECTION,SHOP (BR 43S - 4 TONS)	LS	1
513.35	CONTAINMENT & ENVIRONMENTAL PROTECTION,SHOP (BR 48N - 6 TONS)	LS	1
513.35	CONTAINMENT & ENVIRONMENTAL PROTECTION,SHOP (BR 48S - 6 TONS)	LS	1
513.35	CONTAINMENT & ENVIRONMENTAL PROTECTION,SHOP (BR 50N - 5 TONS)	LS	1
513.35	CONTAINMENT & ENVIRONMENTAL PROTECTION,SHOP (BR 50S - 5 TONS)	LS	1
513.36	CONTAINMENT & ENVIRONMENTAL PROTECTION,FIELD (BR 49N - 132 TONS)	LS	1
513.36	CONTAINMENT & ENVIRONMENTAL PROTECTION,FIELD (BR 49S - 132 TONS)	LS	1
513.40	SURFACE PREPARATION,SHOP (BR 43N - 4 TONS)	LS	1
513.40	SURFACE PREPARATION,SHOP (BR 43S - 4 TONS)	LS	1
513.40	SURFACE PREPARATION,SHOP (BR 48N - 6 TONS)	LS	1
513.40	SURFACE PREPARATION,SHOP (BR 48S - 6 TONS)	LS	1
513.40	SURFACE PREPARATION,SHOP (BR 50N - 5 TONS)	LS	1
513.40	SURFACE PREPARATION,SHOP (BR 50S - 5 TONS)	LS	1
513.41	SURFACE PREPARATION, FIELD (BR 49N - 132 TONS)	LS	1
513.41	SURFACE PREPARATION, FIELD (BR 49S - 132 TONS)	LS	1
514.10	WATER REPELLENT	GAL	160
516.10	BRIDGE EXPANSION JOINT (ARMORED JOINT)	LF	302
516.10	BRIDGE EXPANSION JOINT (FINGER JOINT)	LF	81
519.20	SHEET MEMBRANE WATERPROOFING (MOD. - TORCH APPLIED)	SY	7600
524.21	JOINT SEALER, POLYURETHANE	LF	900
525.10	REMOVAL OF EXISTING RAILING (MOD. - SALVAGE)	LF	4690
525.33	BRIDGE RAILING - NETC 2 RAIL	LF	3730
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 43N)	LS	1
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 43S)	LS	1
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 48N)	LS	1
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 48S)	LS	1
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 49N)	LS	1
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 49S)	LS	1
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 50N)	LS	1
527.11	TRAFFIC PROTECTION FOR BRIDGE PROJECT (BR 50S)	LS	1

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL
529.10	REMOVAL OF BRIDGE PAVEMENT	SY	7090
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 43N)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 43S)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 48N)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 48S)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 49N)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 49S)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 50N)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (BR 50S)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (MOD. - EXISTING STEEL BEAMS - BR 43N)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (MOD. - EXISTING STEEL BEAMS - BR 43S)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (MOD. - EXISTING STEEL BEAMS - BR 48N)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (MOD. - EXISTING STEEL BEAMS - BR 48S)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (MOD. - EXISTING STEEL BEAMS - BR 50N)	EACH	1
529.20	PARTIAL REMOVAL OF STRUCTURE (MOD. - EXISTING STEEL BEAMS - BR 50S)	EACH	1
531.10	BEARING DEVICE ASSEMBLY (STEEL PLT. FIXED BEARINGS)	EACH	4
531.10	BEARING DEVICE ASSEMBLY (ELASTOMERIC TFE EXP. BEARINGS)	EACH	104
531.10	BEARING DEVICE ASSEMBLY (ELASTOMERIC FIXED BEARINGS)	EACH	30
580.13	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS I	SY	51
580.14	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS II	SY	273
580.15	REPAIR OF CONCRETE SUBSTRUCTURE SURFACE CLASS III	CY	8
580.40	FIBER REINFORCED POLYMER WRAP	SY	203
613.10	STONE FILL, TYPE I	CY	80
613.11	STONE FILL, TYPE II	CY	30
613.13	STONE FILL, TYPE IV	CY	50
616.28	CAST-IN PLACE CEMENT CONCRETE CURB, TYPE B	LF	1280
620.25	WOVEN WIRE FENCE W/STEEL POSTS	LF	800
620.55	REMOVAL OF EXISTING FENCE	LF	800
620.75	SNOW BARRIER - GALVANIZED	LF	860
621.20	STEEL BEAM GUARD RAIL	LF	300
621.505	MANUFACTURED TERMINAL SECTION	EACH	16
621.57	ENERGY ABSORPTION ATTENUATOR	EACH	2
621.72	GUARD RAIL APPR. SECTION,NETC 2 RAIL (MOD.)	EACH	32
621.75	REMOVING AND RESET GUARD RAIL	LF	290
621.80	REMOVL AND DISP OF GUARD RAIL	LF	1100
621.90	TEMPORARY TRAFFIC BARRIER	LF	34350
630.10	UNIFORMED TRAFFIC OFFICERS	HR	2700
630.15	FLAGGERS	HR	1750
631.10	FIELD OFFICE-ENGINEERS	LS	1
631.16	TESTING EQUIPMENT - CONCRETE	LS	1
631.17	TESTING EQUIPMENT - BITUMINOUS	LS	1
631.18	TESTING EQUIPMENT - PROTECTIVE COATINGS	LS	1
631.25	FIELD OFFICE - TELEPHONE (N.A.B.I.)	LU	1
634.10	EMPLOYEE TRAINEESHIP	HR	2080
635.10	MOBILIZATION	LS	1
641.10	TRAFFIC CONTROL (BR 43N&S)	LS	1
641.10	TRAFFIC CONTROL (BR 48N&S, 49N&S, 50N&S)	LS	1
641.10	TRAFFIC CONTROL (MOD. - PUBLIC RELATIONS OFFICER)	LS	1
641.15	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	6
641.16	PORTABLE ARROW BOARD	EACH	8
646.414	DURABLE 6" WHITE LINE	LF	5270
646.415	DURABLE 6" YELLOW LINE	LF	4220
646.60	TEMPORARY 4" WHITE LINE	LF	3900
646.60	TEMPORARY 4" WHITE LINE (TAPE, TYPE II)	LF	68850
646.61	TEMPORARY 4" YELLOW LINE	LF	3650
646.61	TEMPORARY 4" YELLOW LINE (TAPE, TYPE II)	LF	79500
646.81	RAISED PAVEMENT MARKERS TYPE II	EACH	8100
646.86	BLACK PAVEMENT MARKING MASKING TAPE	SF	26050
649.31	GEOTEXTILE UNDER STONE FILL	SY	40
649.51	GEOTEXTILE FOR SILT FENCE	SY	2000
651.26	HAY BALES FOR EROSION CONTROL	EACH	320
654.10	EROSION MATTING	SY	800
675.20	TRAFFIC SIGNS, TYPE A (MOD.)	SF	80

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	MIDDLESEX-BOLTON	Bridge No.	
Highway No.	I-89	Log Sta.	
		Surv. Sta.	

COMPOSITE QUANTITIES

Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	Date	Bridge Design Supervisor	
	J.P. HALSTEAD 10/99	J.P. HALSTEAD	Date 10/99
PROJECT	MIDDLESEX-BOLTON	PROJECT NO.	IM-089-2(26)
TVGA CAD Drawing No.	quantities	Date	08/00
Bridge Sheet No.	C-3	Sheet	3 of 307