Lichtenstein
Consulting Engineers

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

ITEM NO.	ITEM	UNIT	QUANTITY BREAKDOWN: SUPER-STRUCTURE	ABUTMENT 1	ABUTMENT 2	APPROACH SLAB 1	APPROACH SLAB 2	PIER	CHANNEL	ROADWAY	TOTAL	FINAL
201.10	CLEARING AND GRUBBING (PLUS INDIVIDUAL TREES AND STUMPS)	LS								1	1	
203.15	COMMON EXCAVATION	CY								540	540	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY		170	320						490	
203.30	EARTH BORROW	CY								50	50	
203.31	SAND BORROW	CY								225	225	
204.25	STRUCTURE EXCAVATION	CY		45	415						460	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		25	325			90			440	
204.30	GRANULAR BACKFILL FOR STRUCTURES (UNDERCUT REPLACEMENT AT PIER)	CY						40			40	
208.30	COFFERDAM EXCAVATION, EARTH	CY						300			300	
208.30	COFFERDAM EXCAVATION, EARTH (UNDERCUT AT PIER)	CY						40			40	
208.40	COFFERDAM	LS						1			1	
301.15	SUBBASE OF GRAVEL	CY								310	310	
404.65	EMULSIFIED ASPHALT	CWT								1.5	1.5	
406.27	MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	TON								105	105	
501.32	CONCRETE, HIGH PERFORMANCE CLASS AA	CY	16								16	
501.33	CONCRETE, HIGH PERFORMANCE CLASS A	CY	4								4	
501.34	CONCRETE HIGH PERFORMANCE CLASS B	CY		20	115	10	10	205			360	
504.10	FURNISHING EQUIPMENT FOR DRIVING PILING	LS		1							1	
505.17	STEEL PILING (HP 14 X 73)	LF		560				1870			2430	
505.45	DYNAMIC PILE LOADING TESTS	EA		1				1			2	
506.50	STRUCTURAL STEEL (ROLLED BEAM) (MOD.)	LB	15000								15000	
506.60	STRUCTURAL STEEL	LB	2300								2300	
507.15	REINFORCING STEEL	LB		1180	15670			21280			38130	
507.17	EPOXY COATED REINFORCING STEEL	LB	2899	198	43	1038	1038	139			5355	
508.15	SHEAR CONNECTORS (68 - 7/8" X 6")	LS						1			1	
510.20	PRESTRESSED CONCRETE MEMBER (18" X 36" VOIDED SLAB)	EA	6								6	
513.30	STRUCTURAL PAINTING, FIELD APPLIED	LS	1								1	
513.36	CONTAINMENT & ENVIRONMENTAL PROTECTION, FIELD	LS	1								1	
513.41	SURFACE PREPARATION, FIELD	LS	1								1	
514.10	WATER REPELLENT	GAL		1	3			3			7	
516.10	BRIDGE EXPANSION JOINT	LF	15.5								15.5	
519.20	SHEET MEMBRANE WATERPROOFING	SY				30	30				60	
522.25	STRUCTURAL LUMBER & TIMBER - TREATED	MFBM	1.9								1.9	
522.35	NON-STRUCTURAL LUMBER - TREATED	MFBM	3.9								3.9	
522.40	STRUCTURAL GLUED LAMINATED TIMBER	LS	1								1	
524.13	JOINT SEALER, COLD POURED	LF		19.5				16			35.5	
525.33	BRIDGE RAILING-NETC 2 RAIL (MODIFIED)	LF	426								426	
529.15	REMOVAL OF STRUCTURE (MODIFIED)	EA	1								1	
529.20	PARTIAL REMOVAL OF STRUCTURE (MODIFIED, EXISTING TRUSS)	EA	1								1	
529.20	PARTIAL REMOVAL OF STRUCTURE (MODIFIED, EXISTING ABUTMENTS)	EA		1							1	
529.20	PARTIAL REMOVAL OF STRUCTURE (MODIFIED, EXISTING ABUTMENTS)	EA			1						1	

ITEM NO.	ITEM	UNIT	QUANTITY BREAKDOWN: SUPER-STRUCTURE	CHANNEL	ROADWAY	EROSION CONTROL	FULL E & C	EMPLOYEE TRAINEE-SHIP		TOTAL	FINAL
531.10	BEARING DEVICE ASSEMBLY (TRUSS BEARING)	EA	4							4	
531.10	BEARING DEVICE ASSEMBLY (DECK EXP. BEARING)	EA	8							8	
531.10	BEARING DEVICE ASSEMBLY (UNREIFORCED ELASTOMERIC PAD AT FIXED END)	EA	1							1	
531.10	BEARING DEVICE ASSEMBLY (FOR VOIDED SLABS)	EA	24							24	
613.13	STONE FILL, TYPE IV	CY		830						830	
621.20	STEEL BEAM GUARD RAIL	LF			463					463	
621.21	HEAVY DUTY STEEL BEAM GUARD RAIL	LF			100					100	
621.505	MANUFACTURED TERMINAL SECTION (FLARED)	EA			4					4	
621.80	REMOVAL AND DISPOSAL OF GUARD RAIL	LF			250					250	
631.10	FIELD OFFICE - ENGINEERS	LS					1			1	
631.16	TESTING EQUIPMENT - CONCRETE	LS					1			1	
631.17	TESTING EQUIPMENT - BITUMINOUS	LS					0.1			0.1	
631.18	TESTING EQUIPMENT - PROTECTIVE COATINGS	LS					1			1	
631.25	FIELD OFFICE TELEPHONE (NOT A BID ITEM)	LU					1			1	
634.10	EMPLOYEE TRAINEESHIP	HR						520		520	
635.10	MOBILIZATION	LS			0.9					0.9	
646.40	DURABLE 4" WHITE LINE	LF			620					620	
646.46	DURABLE 4" YELLOW LINE	LF			450					450	
646.46	DURABLE 24" STOP BAR	LF			20					20	
649.31	GEOTEXTILE UNDER STONE FILL	SY		625						625	
649.51	GEOTEXTILE FOR SILT FENCE	SY				160				160	
649.61	GEOTEXTILE FOR FILTER CURTAIN	SY				250				250	
651.15	SEED	LB				30				30	
651.20	AGRICULTURAL LIMESTONE	TON				1				1	
651.25	HAY MULCH	TON				1				1	
651.26	HAY BALES FOR EROSION CONTROL	EA				50				50	
651.35	TOPSOIL	CY			110					110	
651.40	GRUBBING MATERIAL	SY		150						150	
652.10	EROSION & SEDIMENT CONTROL PLAN	LS				0.5				1	
652.20	MONITORING EROSION & SEDIMENT CONTROL PLAN	HR				40					
652.30	FIELD MAINTENACE OF EROSION & SEDIMENT CONTROL PLAN	LU				0.5					
675.20	TRAFFIC SIGNS, TYPE A	SF			112					112	
	BEGIN OPTION SIGN POSTS										
675.301	FLANGED CHANNEL SIGN POST	LF			90					90	
675.341	SQUARE TUBE SIGN POST AND ANCHOR	LF			90					90	
	END OPTION SIGN POSTS										

BRIDGE AT STATION STA. 101+04.46 TO STA. 102+99.97
LOCATION

PREPARED BY: T. STRNAD | CHECKED BY: J. MESSIER
SUPERVISOR:

PROJECT: MAIDSTONE, VT / STRATFORD, NH
BR 1 OF 1

PROJECT NO: BHO 1447(24)
SHEET NO: 23 OF 65

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