# EARTHWORK

| V.C. | % GRD | STATION | ELEVATION ON TANGENT | ELEVATION ON V.C. | CORR. V.C | DIST. | AREA | $m^3$ | AREA | $m^3$ | AREA | $m^3$ | AREA | $m^3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

# BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

| NO. | ITEM | UNIT | QUANTITY BREAKDOWN | | | | | | | | | | | | TOTAL | FINAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SUPER-STRUCTURE | ABUTMENT 1 | ABUTMENT 2 | PIER 1 | PIER 2 | PIER 3 | PIER 4 | APPROACH SLABS | CHANNEL QUANTITIES | MISC. | | | | |
| 203.15 | COMMON EXCAVATION | $m^3$ | | 4600 | 1310 | | | | | | | | | | 5910 | |
| 203.27 | UNCLASSIFIED CHANNEL EXCAVATION | $m^3$ | | | | | | | | | 1250 | | | | 1250 | |
| 203.32 | GRANULAR BORROW | $m^3$ | | 17440 | 3200 | | | | | | | | | | 20640 | |
| 204.25 | STRUCTURE EXCAVATION | $m^3$ | | | 330 | | | | | | | | | | 330 | |
| 204.30 | GRANULAR BACKFILL FOR STRUCTURES | $m^3$ | | | 155 | | | | | | | | | | 155 | |
| 204.40 | COFFERDAM (STA.16+804.000) (MOD) | LS | | | | 1 | | | | | | | | | 1 | |
| 204.40 | COFFERDAM (STA.16+861.000) | LS | | | | | 1 | | | | | | | | 1 | |
| 204.40 | COFFERDAM (STA.16+918.000) | LS | | | | | | 1 | | | | | | | 1 | |
| 204.40 | COFFERDAM (STA.16+975.000) | LS | | | | | | | 1 | | | | | | 1 | |
| 301.25 | SUBBASE OF CRUSHED GRAVEL (COARSE GRADED) | $m^3$ | | | 75 | | | | | | | | | | 75 | |
| 501.221 | CONCRETE CLASS A, OA/OC | $m^3$ | 1500 | | | | | | | 110 | | | | | 1610 | |
| 501.25 | CONCRETE, CLASS B | $m^3$ | | 355 | 396 | 210 | 217 | 203 | 194 | | | | | | 1575 | |
| 501.30 | CONCRETE, CLASS C | $m^3$ | | | | 500 | | | | | | | | | 500 | |
| 501.60 | CONCRETE, SILICA-FUME | $m^3$ | 73 | | | | | | | | | | | | 73 | |
| 504.10 | FURNISHING EQUIPMENT FOR DRIVING PILES | LS | | | | | | | | | | 1 | | | 1 | |
| 505.18 | STEEL PILING (HP360x132) | m | | | 1730 | | 245 | 350 | 565 | | | | | | 2890 | |
| 505.35 | PERMANENT STEEL SHEET PILING | $m^2$ | | | | 440 | 845 | 635 | 635 | | | | | | 2555 | |
| 505.45 | DYNAMIC PILE LOADING TEST | EA | | | 2 | | 2 | 2 | 2 | | | | | | 8 | |
| 506.55 | STRUCTURAL STEEL (PLATE GIRDER) | kg | 1200000 | | | | | | | | | | | | 1200000 | |
| 506.75 | STRUCTURAL STEEL (SCUPPERS, DOWNSPOUTS) | LS | 1 | | | | | | | | | | | | 1 | |
| 507.15 | REINFORCING STEEL | kg | | 13035 | 16950 | 30825 | 34590 | 33250 | 30525 | | | 410 | | | 159585 | |
| 507.17 | EPOXY COATED REINFORCING STEEL | kg | 234250 | 210 | 210 | | | | | 7720 | | 275 | | | 242665 | |
| 508.15 | SHEAR CONNECTORS (11532-22 mm DIA.x 175 mm LG.) | LS | 1 | | | | | | | | | | | | 1 | |
| 513.25 | STRUCTURAL PAINTING, SHOP APPLIED (24 TONS) | LS | 1 | | | | | | | | | | | | 1 | |
| 513.35 | CONTAINMENT AND ENVIRONMENTAL PROTECTION, SHOP | LS | 1 | | | | | | | | | | | | 1 | |
| 513.40 | SURFACE PREPARATION, SHOP | LS | 1 | | | | | | | | | | | | 1 | |
| 514.10 | WATER REPELLENT | L | 175 | 10 | 11 | 11 | 9 | 8 | 8 | 9 | | | | | 241 | |
| 516.10 | BRIDGE EXPANSION JOINT (FINGER JT. @ ABUT 1) | m | | 23 | | | | | | | | | | | 23 | |
| 516.10 | BRIDGE EXPANSION JOINT (FINGER JT. @ ABUT 2) | m | | | 24 | | | | | | | | | | 24 | |
| 525.33 | BRIDGE RAILING - NETC-2 RAIL | m | 582 | | | | | | | | | | | | 582 | |
| 531.10 | BEARING DEVICE ASSEMBLY (EXP. @ ABUT 1) | EA | | 8 | | | | | | | | | | | 8 | |
| 531.10 | BEARING DEVICE ASSEMBLY (EXP. @ PIER 1) | EA | | | | 8 | | | | | | | | | 8 | |
| 531.10 | BEARING DEVICE ASSEMBLY (EXP. @ PIER 2) | EA | | | | | 8 | | | | | | | | 8 | |
| 531.10 | BEARING DEVICE ASSEMBLY (FIX. @ PIER 3) | EA | | | | | | 8 | | | | | | | 8 | |
| 531.10 | BEARING DEVICE ASSEMBLY (EXP. @ PIER 4) | EA | | | | | | | 8 | | | | | | 8 | |
| 531.10 | BEARING DEVICE ASSEMBLY (EXP. @ ABUT 2) | EA | | | 8 | | | | | | | | | | 8 | |
| 613.10 | STONE FILL, TYPE I | $m^3$ | | 150 | | | | | | | | | | | 150 | |
| 613.13 | STONE FILL, TYPE IV | $m^3$ | | | 1100 | 650 | 310 | 300 | 300 | | | | | | 2660 | |
| 620.75 | SNOW BARRIER (GALVANIZED) | m | 60 | | | | | | | | | | | | 60 | |
| 623.23 | VIBRATING WIRE SETTLEMENT PLATFORM (TYPE II) | EA | | 5 | | | | | | | | | | | 5 | |
| 623.60 | EARTH PRESSURE CELL | EA | | 2 | | | | | | | | | | | 2 | |
| 635.10 | MOBILIZATION | LS | | | | | | | | | | | | | 0.6 | |
| 649.31 | GEOTEXTILE UNDER STONE FILL | $m^2$ | | | 1055 | 350 | | | | | | | | | 1405 | |
| 651.40 | GRUBBING MATERIAL | $m^2$ | | | 375 | 125 | | | | | | | | | 500 | |

BRIDGE AT STATION (S) 16+800
LOCATION VT. RTE. 9 OVER SILK ROAD AND WALLOOMSAC RIVER

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BENNINGTON-HOOSICK
BR 704 OF

PROJECT NO. DPI 0146(1) C/4
SHEET NO. 187 OF 385

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