# QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

## APPROXIMATE SUMMARY OF QUANTITIES

| WETLAND | UTILITIES | LANG FARM | EROSION CONTROL | STRUCTURES | ROADWAY | QUANTITIES GRAND TOTAL | UNIT | ITEMS | ITEM NO. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | END PIPE OPTIONS | |
| | | | | | 38 | 38 | CY | CEMENT RUBBLE MASONRY | 602.15 |
| | | | | | 1 | 1 | EA | PRECAST REINFORCED CONCR. CATCH BASIN W/CAST IRON GRATE | 604.20 |
| | | | | | 2 | 2 | EA | PRECAST PIPE DROP INLET W/CAST IRON GRATE | 604.30 |
| | | | | | 24 | 24 | EA | CAST IRON GRATE W/FRAME-TYPE A | 604.45 |
| | | | | | 18 | 18 | EA | CAST IRON GRATE W/FRAME-TYPE B | 604.46 |
| | | | | | 9 | 9 | EA | CAST IRON GRATE W/FRAME-TYPE D | 604.51 |
| | | | | | 1 | 1 | EA | CAST IRON GRATE W/FRAME-TYPE E | 604.52 |
| | | | | | 11,665 | 11,665 | LF | 6" UNDERDRAIN | 605.10 |
| | | | | | 435 | 435 | LF | 6" UNDERDRAIN CARRIER PIPE | 605.20 |
| | | | | | 2 | 2 | EA | UNDERDRAIN FLUSHING BASINS | 605.95 |
| | | | | | 100 | 100 | HR | ROADWAY PATROL MAINTENANCE (EST.) | 607.10 |
| | | | | | 1 | 1 | HR | BULLDOZER RENTAL - TYPE II (EST.) | 608.11 |
| | | | | | 1 | 1 | HR | ALL PURPOSE EXCAVATOR RENTAL - TYPE II (EST.) | 608.26 |
| | | | | | 1 | 1 | HR | TRUCK RENTAL (EST.) | 608.37 |
| | | | | | 300 | 300 | MGL | DUST CONTROL WITH WATER (EST.) | 609.10 |
| | | | | | 20 | 20 | TON | DUST AND ICE CONTROL W/CALCIUM CHLORIDE (EST.) | 609.15 |
| | | | | 837 | 3,483 | 4,320 | CY | STONE FILL - TYPE I | 613.10 |
| | | | | 130 | | 130 | CY | STONE FILL - TYPE I (MOD. - CULVERT LINER) | 613.10 |
| 550 | | | | 670 | 3,986 | 5,206 | CY | STONE FILL - TYPE II | 613.11 |
| | | | | | 500 | 500 | CY | STONE FILL - TYPE IV (EST.) | 613.13 |
| | | | | 1 | | 1 | LS | TEMPORARY RELOCATION OF STREAM | 614.10 |
| | | | | | 1,245 | 1,245 | LF | GRANITE SLOPE EDGING | 616.20 |
| | | | | 1,063 | | 1,063 | LF | GRANITE BRIDGE CURB | 616.22 |
| | | 290 | | | 1,062 | 1,352 | LF | CAST-IN-PLACE CEMENT CONCRETE CURB-TYPE B | 616.28 |
| | | | | | 3 | 3 | TON | BITUMINOUS CONCRETE CURB-TYPE A | 616.30 |
| | | | | | 100 | 100 | LF | TREATED TIMBER CURB (EST.) | 616.35 |
| | | | | | 4 | 4 | EA | RELOCATE MAILBOX - SINGLE SUPPORT | 617.10 |
| | | | | | 132 | 132 | SY | PORTLAND CEMENT CONCRETE SIDEWALK - 5 INCH | 618.10 |
| | | | | | 76 | 76 | EA | BOUNDARY MARKERS | 619.10 |
| | | | | | 13 | 13 | EA | WOOD MARKER POSTS | 619.15 |
| | | | | | 10 | 10 | EA | REMOVING AND RESETTING PROPERTY MARKERS (EST.) | 619.20 |
| | | | | | 26,630 | 26,630 | LF | WOVEN WIRE FENCE W/STEEL POSTS | 620.25 |
| | | | | | 2 | 2 | EA | DRIVE GATE FOR WOVEN WIRE FENCE | 620.30 |
| | | | | | 152 | 152 | EA | STEEL BRACE FOR WOVEN WIRE FENCE | 620.40 |
| | | | | 155 | | 155 | LF | SNOW BARRIER - GALVANIZED | 620.75 |
| | | | | | 588 | 588 | LF | STEEL BEAM GUARD RAIL WITH WOOD POSTS | 621.20 |
| | | | | | 8 | 8 | EA | BREAKAWAY CABLE TERMINAL | 621.50 |
| | | | | | 4 | 4 | EA | GUARD RAIL APPROACH SECTION - TYPE I | 621.70 |
| | | | | | 4 | 4 | EA | GUARD RAIL APPROACH SECTION - TYPE II | 621.71 |
| | | | | | 10 | 10 | EA | SETTLEMENT PLATFORM - TYPE I | 623.21 |
| | | | | | 22 | 22 | EA | SETTLEMENT PLATFORM VIBRATING WIRE | 623.23 |
| | | | | | 850 | 850 | LF | INCLINOMETER | 623.30 |
| | | | | | 25 | 25 | EA | PIEZOMETER VIBRATING WIRE | 623.40 |
| | | | | | 400 | 400 | LF | GROUND WATER OBSERVATION WELL | 623.50 |
| | | | | | 280 | 280 | LF | SLEEVES FOR UTILITIES (6 INCH PVC) | 625.10 |
| | 178 | | | | | 178 | LF | SLEEVES FOR UTILITIES (48 INCH X 0.500 WELDED STEEL) | 625.10 |
| | | | | | 400 | 400 | HR | UNIFORMED TRAFFIC OFFICERS (EST.) | 630.10 |
| | | | | | 2,000 | 2,000 | HR | FLAGGERS (EST.) | 630.15 |
| | | | | | 3,500 | (T) 3500 | HR | EMPLOYEE TRAINEESHIP (EST.) | 634.10 |
| | | | | | 1 | 1 | LS | MOBILIZATION | 635.10 |
| | | | | | 1 | 1 | LS | TRAFFIC CONTROL | 641.10 |
| | | 1,850 | | | 27,830 | 29,680 | LF | 4" WHITE LINE | 646.20 |
| | | 3,220 | | | 26,420 | 29,640 | LF | 4" YELLOW LINE | 646.21 |
| | | 440 | | | 265 | 705 | LF | DURABLE 8" WHITE LINE | 646.42 |
| | | 1,300 | | | | 1,300 | LF | DURABLE 8" YELLOW LINE | 646.43 |
| | | 54 | | | 55 | 109 | LF | DURABLE 24" STOP BAR | 646.46 |
| | | 4 | | | 13 | 17 | EA | DURABLE LETTER OR SYMBOL | 646.50 |

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| WETLAND | UTILITIES | LANG FARM | EROSION CONTROL | STRUCTURES | ROADWAY | QUANTITIES GRAND TOTAL | UNIT | ITEMS | ITEM NO. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1,500 | 1,500 | LF | TEMPORARY 4" WHITE LINE (EST.) | 646.60 |
| | | | | | 1,500 | 1,500 | LF | TEMPORARY 4" YELLOW LINE (EST.) | 646.61 |
| 4,500 | | 5,250 | | | 81,200 | 90,950 | SY | GEOTEXTILE FABRIC FOR FILTERS | 649.10 |
| 1,200 | | | 5,580 | | | 6,780 | SY | GEOTEXTILE FABRIC FOR SILT FENCE | 649.20 |
| | | | | | 1,775,000 | 1,775,000 | LF | PREFABRICATED VERTICAL DRAIN | 650.10 |
| | | | | | 60,000 | 60,000 | LF | OBSTRUCTION REMOVAL, AUGER | 650.15 |
| 50 | | 24 | 2,750 | | | 2,824 | LB | SEED | 651.15 |
| | | | 300 | | | 300 | LB | SEED-WINTER RYE | 651.17 |
| | | 200 | 22,850 | | | 23,050 | LB | FERTILIZER | 651.18 |
| | | 1 | 92 | | | 93 | TON | AGRICULTURAL LIMESTONE | 651.20 |
| | | 1 | 92 | | | 93 | TON | HAY MULCH | 651.25 |
| 50 | | 9 | 481 | | | 540 | EA | HAY BALES FOR EROSION CONTROL | 651.26 |
| | | | 100 | | | 100 | SY | SODDING (EST.) | 651.30 |
| | | | | | 7,158 | 7,158 | CY | TOP SOIL | 651.35 |
| | | | | 4,000 | 27,200 | 31,200 | SY | GRUBBING MATERIAL | 651.40 |
| | | 560 | 9,508 | | | 10,068 | SY | EROSION MATTING | 654.10 |
| 16 | | | | | | 16 | EA | EVERGREEN TREES-LARIX LARCINA (EASTERN LARCH) 1-1/2 - 2 | 656.20 |
| 15 | | | | | | 15 | EA | DECIDUOUS TREES-ACER RUBRUM (RED MAPLE) 1-1/2 - 2 | 656.30 |
| 12 | | | | | | 12 | EA | DECIDUOUS TREES-AMELANCHIER CANADENSIS (SHAD BUSH) 1-1/2 | 656.30 |
| 224 | | | | | | 224 | EA | DECIDUOUS SHRUBS-ARONIA ARBUTIFOLIA (RED CHOKECHERRY) 24-30 HT. | 656.35 |
| 206 | | | | | | 206 | EA | DECIDUOUS SHRUBS-CORNUS STOLINIFERA (RED OSIER DOGWOOD) 24-30 HT. | 656.35 |
| 166 | | | | | | 166 | EA | DECIDUOUS SHRUBS-ILEX VERTICILLATA (WINTERBERRY) 24-30 HT. | 656.35 |
| 98 | | | | | | 98 | EA | DECIDUOUS SHRUBS-SAMBUCUS CANADENSIS (ELDERBERRY) 24-30 HT. | 656.35 |
| 146 | | | | | | 146 | EA | DECIDUOUS SHRUBS-VIBURNUM DENTATUM (ARROW WOOD) 24-30 HT. | 656.35 |
| 88 | | | | | | 88 | EA | DECIDUOUS SHRUBS-VACCINIUM CORYMBOSUM (HIGH BUSH BLUEBERRY) 24-30 HT. | 656.35 |
| 26 | | | | | | 26 | EA | DECIDUOUS SHRUBS-CORNUS AMOMUM (SILKY DOGWOOD) 24-30 HT. | 656.35 |
| 5,000 | | | | | | 5,000 | EA | GROUND COVERS AND VINES-LEERSIA ORYZOIDES (RICE CUT GRASS) PEAT POTS | 656.40 |
| 8,000 | | | | | | 8,000 | EA | GROUND COVERS AND VINES-SPARGANIUM EURYCARPUM (BURREED) LARGE ROOTS | 656.40 |
| 1,250 | | | | | | 1,250 | EA | GROUND COVERS AND VINES-SAGITTARIA LATIFOLIA (DUCK POTATOE) LARGE TUBERS | 656.40 |
| 1,250 | | | | | | 1,250 | EA | GROUND COVERS AND VINES-SCIRPUS AMERICANUS (COMMON TREE SQUARE) LARGE TUBERS | 656.40 |
| | | | | | 654 | 654 | SF | TRAFFIC SIGNS - TYPE A | 675.20 |
| | | | | | 885 | 885 | SF | TRAFFIC SIGNS - TYPE B | 675.21 |
| | | | | | 1,000 | 1,000 | LB | FLANGED CHANNEL SIGN POSTS | 675.30 |
| | | | | | 14,000 | 14,000 | LB | W-SHAPE STEEL SIGN POSTS | 675.31 |
| | | | | | 1,500 | 1,500 | LB | TUBULAR ALUMINUM SIGN POSTS | 675.32 |
| | | | | | 10 | 10 | EA | FOUNDATION FOR W-SHAPE STEEL POSTS 24" DIAMETER | 675.41 |
| | | | | | 2 | 2 | EA | FOUNDATION FOR W-SHAPE STEEL POSTS 30" DIAMETER | 675.42 |
| | | | | | 10 | 10 | EA | REMOVING SIGNS (EST.) | 675.50 |
| | | | | | 68 | 68 | EA | DELINEATORS W/STEEL POSTS | 676.10 |
| | | | | | 1 | 1 | EA | TRAFFIC CONTROL SIGNAL SYSTEM - (ROUTE 15) | 678.15 |
| | | 1 | | | | 1 | EA | TRAFFIC CONTROL SIGNAL SYSTEM - (LANG FARM) | 678.15 |
| | | | | | 1 | 1 | EA | FLASHING BEACON - STA. 467+00 | 678.16 |
| | | | | | 1 | 1 | EA | FLASHING BEACON - STA. 501+00 | 678.16 |
| | | | | | 230 | 230 | LF | ELECTRICAL CONDUIT | 678.21 |
| | | 180 | | | 250 | 430 | LF | VEHICLE LOOP DETECTOR | 678.22 |
| | | | | | 20 | 20 | EA | PULL BOX | 678.25 |
| | | | | | 1 | 1 | LS | STREET LIGHTING - ROUTE 15 | 679.15 |
| | | | | | 1 | 1 | LS | STREET LIGHTING - RTE 2A RAMP D | 679.15 |
| | | | | | | | | ALTERNATE A | |
| | | | | | 39,296 | 39,296 | CY | SAND BORROW | 203.31 |
| | | | | | 81,970 | 81,970 | CY | SUBBASE OF DENSE GRADED CRUSHED STONE | 301.35 |
| | | | | | 12,000 | 12,000 | CY | SUBBASE OF DENSE GRADED CRUSHED STONE (RECYCLED) | 301.35 |
| | | | | | | | | ALTERNATE B | |
| | | | | | 32,746 | 32,746 | CY | SAND BORROW | 203.31 |
| | | | | | 88,250 | 88,250 | CY | SUBBASE OF CRUSHED GRAVEL (COURSE GRADED) | 301.25 |
| | | | | | 12,000 | 12,000 | CY | SUBBASE OF CRUSHED GRAVEL (COURSE GRADED) (RECYCLED) | 301.25 |

(T) = TRAINING

NOTE: ALL FINAL QUANTITIES ARE LOCATED IN THE FIELD BOOK OR ON THE WORKING SHEETS.

REVISED 6-25-91 T.R.

PROJECT NAME WILLISTON - COLCHESTER
PROJECT NUMBER PB 033-1(2)