

| STATE OF VERMONT<br>AGENCY OF TRANSPORTATION |  |  |  |  |  |  |                 |             |                    |                 |             | QUANTITY SHEET 1 |       |              |                                                                |             |                                       |                                |      |                    |  |
|----------------------------------------------|--|--|--|--|--|--|-----------------|-------------|--------------------|-----------------|-------------|------------------|-------|--------------|----------------------------------------------------------------|-------------|---------------------------------------|--------------------------------|------|--------------------|--|
| SUMMARY OF ESTIMATED QUANTITIES              |  |  |  |  |  |  |                 |             |                    |                 |             | TOTALS           |       | DESCRIPTIONS |                                                                |             |                                       | DETAILED SUMMARY OF QUANTITIES |      |                    |  |
|                                              |  |  |  |  |  |  | ROADWAY<br>BR15 | BRIDGE BR15 | FULL C.E.<br>ITEMS | ROADWAY<br>BR22 | BRIDGE BR22 | GRAND TOTAL      | FINAL | UNIT         | ITEMS                                                          | ITEM NUMBER | ROUND                                 | QUANTITIES                     | UNIT | ITEMS              |  |
|                                              |  |  |  |  |  |  | 1               |             |                    | 1               |             | 2                |       | LS           | CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS   | 201.10      |                                       |                                |      | PAVEMENT SUMMARY   |  |
|                                              |  |  |  |  |  |  | 780             |             |                    | 370             |             | 1150             |       | CY           | COMMON EXCAVATION                                              | 203.15      |                                       |                                |      | BRIDGE 15          |  |
|                                              |  |  |  |  |  |  | 50              |             |                    |                 |             | 50               |       | CY           | SOLID ROCK EXCAVATION                                          | 203.16      |                                       | 307 TON                        |      | PERMANENT PAVEMENT |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 | 281         | 281              |       | CY           | UNCLASSIFIED CHANNEL EXCAVATION                                | 203.27      |                                       | 44 TON                         |      | TEMPORARY PAVEMENT |  |
|                                              |  |  |  |  |  |  | 40              |             |                    |                 |             | 40               |       | CY           | TRENCH EXCAVATION OF EARTH                                     | 204.20      |                                       | 351 TON                        |      | TOTAL              |  |
|                                              |  |  |  |  |  |  | 1               |             |                    |                 | 1           | 2                |       | CY           | TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)             | 204.22      |                                       |                                |      | BRIDGE 22          |  |
|                                              |  |  |  |  |  |  | 530             | 40          |                    |                 | 1246        | 1816             |       | CY           | STRUCTURE EXCAVATION                                           | 204.25      |                                       | 29 TON                         |      | TEMPORARY PAVEMENT |  |
|                                              |  |  |  |  |  |  | 160             | 40          |                    |                 | 535         | 735              |       | CY           | GRANULAR BACKFILL FOR STRUCTURES                               | 204.30      |                                       | 29 TON                         |      | TOTAL              |  |
|                                              |  |  |  |  |  |  |                 |             |                    | 100             |             | 100              |       | SY           | COLD PLANING, BITUMINOUS PAVEMENT                              | 210.10      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 470             |             |                    | 596             |             | 1066             |       | CY           | SUBBASE OF DENSE GRADED CRUSHED STONE                          | 301.35      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 90              |             |                    |                 |             | 90               |       | CY           | AGGREGATE SURFACE COURSE                                       | 401.10      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 2.8             | 0.7         |                    |                 |             | 3.5              |       | CWT          | EMULSIFIED ASPHALT                                             | 404.65      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 1               |             |                    | 1               |             | 2                |       | LU           | PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)                    | 406.50      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 119             | 14          |                    |                 |             | 133              |       | CY           | CONCRETE, HIGH PERFORMANCE CLASS B                             | 501.34      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 1100            |             |                    |                 |             | 1100             |       | SF           | PERMANENT STEEL SHEET PILING (MIN. SECTION MODULUS = 40 IN³)   | 505.35      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 1380            | 1580        |                    |                 |             | 2960             |       | LB           | REINFORCING STEEL                                              | 507.15      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 140             | 80          |                    |                 |             | 220              |       | LF           | DRILLING AND GROUTING DOWELS                                   | 507.16      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 5470            | 5560        |                    |                 |             | 11030            |       | LB           | EPOXY COATED REINFORCING STEEL                                 | 507.17      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 10              | 3           |                    |                 |             | 13               |       | GAL          | WATER REPELLENT, SILANE                                        | 514.10      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 | 31          |                    |                 |             | 31               |       | LF           | BRIDGE EXPANSION JOINT, ASPHALTIC PLUG                         | 516.10      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 | 140         |                    |                 |             | 140              |       | SY           | SHEET MEMBRANE WATERPROOFING, TORCH APPLIED                    | 519.20      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 | 31          |                    |                 |             | 31               |       | LF           | JOINT SEALER, HOT POURED                                       | 524.11      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 | 1           |                    |                 |             | 1                |       | EACH         | REMOVAL OF STRUCTURE (1030 SF - EST.)                          | 529.15      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 | 1           | 1                |       | EACH         | REMOVAL OF STRUCTURE (13' X 8' X 94' CGMPPA)                   | 529.15      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 | 12          |                    |                 |             | 12               |       | EACH         | BEARING DEVICE ASSEMBLY, ELASTOMERIC PAD                       | 531.11      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 | 1           | 1                |       | LS           | PRECAST CONCRETE STRUCTURE (24' X 8' X 85' FRAME OR ARCH TYPE) | 540.10      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 1               |             |                    |                 |             | 1                |       | LS           | PRECAST CONCRETE STRUCTURE (WINGWALL NO. 3)                    | 540.10      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              | BEGIN OPTION AA                                                |             |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 54              |             |                    |                 |             | 54               |       | LF           | 24" CAAP .060 (2-2/3 X 1/2)                                    | 601.0225    |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 54              |             |                    |                 |             | 54               |       | LF           | 24" PCCSP .064 (2-2/3 X 1/2)                                   | 601.0425    |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 54              |             |                    |                 |             | 54               |       | LF           | 24" RCP CLASS III                                              | 601.0825    |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 54              |             |                    |                 |             | 54               |       | LF           | 24" CPEP(SL)                                                   | 601.2620    |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              | END OPTION AA                                                  |             |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 1               |             |                    |                 |             | 1                |       | HR           | ALL PURPOSE EXCAVATOR RENTAL, TYPE I                           | 608.25      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 1               |             |                    |                 |             | 1                |       | TON          | DUST AND ICE CONTROL WITH CALCIUM CHLORIDE                     | 609.15      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 | 52          | 52               |       | CY           | STONE FILL, TYPE II                                            | 613.11      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 | 87          | 87               |       | CY           | STONE FILL, TYPE IV                                            | 613.13      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 54              |             |                    | 250             |             | 304              |       | LF           | STEEL BEAM GUARDRAIL, GALVANIZED                               | 621.20      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  | 96              |             |                    |                 |             | 96               |       | LF           | BOX BEAM GUARDRAIL                                             | 621.30      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    | 1               |             | 1                |       | EACH         | ANCHOR FOR STEEL BEAM RAIL                                     | 621.60      |                                       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | PROJECT NAME: ROXBURY COMPOSITE       |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | PROJECT NUMBER: BHF 0187(8)/ER0187(9) |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | FILE NAME: s10c420excel.dgn           |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | PLOT DATE: 09/21/2011                 |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | PROJECT LEADER: C.P.WILLIAMS          |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | DRAWN BY: D.D.BEARD                   |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | DESIGNED BY: R.S.YOUNG                |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | CHECKED BY: E.R.CHARBONNEAU           |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | QUANTITY SHEET #1                     |                                |      |                    |  |
|                                              |  |  |  |  |  |  |                 |             |                    |                 |             |                  |       |              |                                                                |             | SHEET 3 OF 54                         |                                |      |                    |  |