SHT1125.DGN

CONST. NO. 57034-3205-94

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---|---|---|---|
| | 2015 | BR-STP-197(10) | 2 |

MADISON COUNTY

## ESTIMATED QUANTITIES

| ITEM NO. | DESCRIPTION | UNIT | GRAND TOTAL | X081 | X081 |
|---|---|---|---|---|---|
| | | | | BRIDGE NO. 1<br>STATE ROUTE 197<br>OVER<br>BRANCH A<br>STATION 55+45.00<br><br>SIMPLE PRECAST<br>PRESTRESSED<br>CONCRETE I-BEAM<br>WITH<br>CONCRETE DECK SLAB<br><br>SINGLE SPAN BRIDGE<br>TOTAL LENGTH = 80'-0"<br><br>32'-0" ROADWAY<br>WITH STD-1-1SS PARAPET<br><br>90°00'00" SKEW<br><br>LAYOUT<br>DWG. NO. U-57-118 | BRIDGE NO. 2<br>STATE ROUTE 197<br>OVER<br>BRANCH B<br>STATION 60+70.00<br><br>SIMPLE PRECAST<br>PRESTRESSED<br>CONCRETE I-BEAM<br>WITH<br>CONCRETE DECK SLAB<br><br>SINGLE SPAN BRIDGE<br>TOTAL LENGTH = 80'-0"<br><br>32'-0" ROADWAY<br>WITH STD-1-1SS PARAPET<br><br>90°00'00" SKEW<br><br>LAYOUT<br>DWG. NO. U-57-131 |
| | | | | QUANTITIES | QUANTITIES |
| 202-04.01 | REMOVAL OF STRUCTURES (EXIST. BR. NO. 57-SR197-8.56) | L.S. | 1 | 1 | |
| 202-04.02 | REMOVAL OF STRUCTURES (EXIST. BR. NO. 57-SR197-8.66) | L.S. | 1 | | 1 |
| 204-02.01 | DRY EXCAVATION (BRIDGES) | C.Y. | 275 | 137 | 138 |
| 303-01.02 | GRANULAR BACKFILL (BRIDGES) | TON | 48 | 24 | 24 |
| 604-02.03 | EPOXY COATED REINFORCING STEEL | LB. | 41,416 | 20,708 | 20,708 |
| 604-03.01 | CLASS 'A' CONCRETE (BRIDGES) | C.Y. | 134 | 67 | 67 |
| 604-03.02 | STEEL BAR REINFORCEMENT (BRIDGES) | LB. | 18,328 | 9,164 | 9,164 |
| 604-03.04 | PAVEMENT @ BRIDGE ENDS | S.Y. | 322 | 161 | 161 |
| 604-03.09 | CLASS 'D' CONCRETE (BRIDGE DECK) | C.Y. | 158 | 79 | 79 |
| 604-04.01 | APPLIED TEXTURE FINISH (NEW STRUCTURES) | S.Y. | 747 | 373 | 374 |
| 604-05.31 | BRIDGE DECK GROOVING (MECHANICAL) | S.Y. | 820 | 410 | 410 |
| 606-09.01 | TEST PILES (PRECAST CONCRETE, SIZE 1) | L.F. | 135 | 75 | 60 |
| 606-09.02 | LOADING TEST (PRECAST CONCRETE, SIZE 1) | EACH | 2 | 1 | 1 |
| 606-09.03 | PRECAST CONCRETE PILES (SIZE 1) | L.F. | 665 | 385 | 280 |
| 606-12.01 | PILE ANCHORAGE SYSTEM (SEISMIC) | EACH | 24 | 12 | 12 |
| 615-01.03 | PRESTRESSED CONCRETE I-BEAM (TYPE III) | L.F. | 616 | 308 | 308 |
| 617-02 | BRIDGE DECK CRACK SEALING | L.F. | 160 | 80 | 80 |
| 617-05 | SEALANT | GAL. | 2 | 1 | 1 |
| 620-05.01 | CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS) | L.F. | 434 | 217 | 217 |
| 710-09.01 | 6" PERF. PIPE WITH VERTICAL DRAIN SYSTEM | L.F. | 212 | 106 | 106 |
| 710-09.02 | 6" PIPE UNDERDRAIN | L.F. | 60 | 30 | 30 |

## LIST OF DRAWINGS

| LIST OF DRAWINGS | DWG. NO. | LAST REV. DATE |
|---|---|---|
| LAYOUT OF BRIDGE NO. 1 THRU BILL OF STEEL | U-57-118 THRU U-57-130 | |
| LAYOUT OF BRIDGE NO. 2 THRU BILL OF STEEL | U-57-131 THRU U-57-143 | |

## LIST OF STANDARD DRAWINGS

| LIST OF STANDARD DRAWINGS | DWG. NO. | LAST REV. DATE |
|---|---|---|
| BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET | STD-1-1SS | 05-01-14 |
| SLIDER PLATES FOR SINGLE SLOPE PARAPETS AND DECK DRAINS | STD-1-2SS | |
| PAVEMENT AT BRIDGE ENDS | STD-1-5 | 03-26-14 |
| BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS | STD-1-6 | 04-28-97 |
| BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS | STD-1-7 | 08-24-11 |
| BRIDGE END DRAIN 2"×8'-7" WITH PAVEMENT AT BRIDGE ENDS | STD-1-8 | 05-01-95 |
| STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS | STD-4-1 | 04-08-05 |
| STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA | STD-4-2 | 04-08-05 |
| STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS | STD-4-3 | 03-02-02 |
| STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS | STD-4-4 | 06-10-96 |
| STANDARD PILE DETAILS | STD-5-1 | 10-25-93 |
| STANDARD SEISMIC DETAILS | STD-6-1 | 11-01-10 |
| REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLAB | STD-9-1 | 10-07-08 |
| MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS | STD-10-1 | 04-08-05 |
| STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR I-BEAMS | STD-14-2 | 11-01-10 |

## LIST OF SPECIAL PROVISIONS

| LIST OF SPECIAL PROVISIONS | PROV. NO. | LAST REV. DATE |
|---|---|---|
| REGARDING BRIDGE DECK CRACK SEALANT | 604CR | 02-19-96 |

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED BRIDGE QUANTITIES

DRAWN BY T. WISEMAN