TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---|---|---|---|
| CONST. | 2014 | HRRR/HSIP-2480(10) | 2 |

NEW ERA RD.
78946-3409-94

SEVIER CO.
(CONST.)

## ESTIMATED ROADWAY QUANTITIES

| | ITEM NO. | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|
| | 105-01 | CONSTRUCTION STAKES, LINES AND GRADES | LS | 1 |
| | 201-01 | CLEARING AND GRUBBING | LS | 1 |
| 3 1 | 203-01 | ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) | C.Y. | 642 |
| | 203-03 | BORROW EXCAVATION (UNCLASSIFIED) | C.Y. | 431 |
| | 203-04 | PLACING AND SPREADING TOPSOIL | C.Y. | 115 |
| | 203-06 | WATER | M.G. | 10 |
| | 203-07 | FURNISHING & SPREADING TOPSOIL | C.Y. | 81 |
| | 209-02.07 | 18" TEMPORARY SLOPE DRAIN | L.F. | 15 |
| | 209-05 | SEDIMENT REMOVAL | C.Y. | 20 |
| 1 | 209-08.02 | TEMPORARY SILT FENCE (WITH BACKING) | L.F. | 299 |
| | 209-08.07 | ROCK CHECK DAM PER | EACH | 6 |
| | 209-08.08 | ENHANCED ROCK CHECK DAM | EACH | 4 |
| 4 | 303-01 | MINERAL AGGREGATE, TYPE A BASE, GRADING D | TON | 1292 |
| | 307-01.01 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A | TON | 164 |
| 9 | 307-01.08 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2 | TON | 214 |
| 2 | 402-01 | BITUMINOUS MATERIAL FOR PRIME COAT (PC) | TON | 4 |
| | 403-01 | BITUMINOUS MATERIAL FOR TACK COAT (TC) | TON | 1 |
| | 411-01.10 | ACS MIX(PG64-22) GRADING D | TON | 87 |
| | 607-08.30 | 42" PIPE CULVERT | L.F. | 54 |
| 11 1 | 607-37.03 | 24" CORRUGATED METAL PIPE CULVERT | L.F. | 30 |
| | 607-39.02 | 18" PIPE CULVERT (SIDE DRAIN) | L.F. | 71 |
| | 611-07.03 | STRUCTURAL STEEL (PIPE ENDWALLS) | LB. | 360 |
| | 611-07.67 | 42" ENDWALL (CROSS DRAIN) 4:1 | EACH | 2 |
| 6 | 705-08.51 | PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3 | EACH | 2 |
| | 707-08.11 | HIGH-VISIBILITY CONSTRUCTION FENCE | L.F. | 100 |
| | 709-05.06 | MACHINED RIP-RAP (CLASS A-1) | TON | 341 |
| | 712-01 | TRAFFIC CONTROL | LS | 1 |
| 2 | 712-02.02 | INTERCONNECTED PORTABLE BARRIER RAIL | L.F. | 400 |
| 2 | 712-04.01 | FLEXIBLE DRUMS (CHANNELIZING) | EACH | 30 |
| | 712-04.50 | PORTABLE BARRIER RAIL DELINEATOR | EACH | 20 |
| | 712-05.01 | WARNING LIGHTS (TYPE A) | EACH | 4 |
| 10 | 712-06 | SIGNS (CONSTRUCTION) | S.F. | 307 |
| | 712-06.01 | VERTICAL PANELS | S.F. | 80 |
| | 712-07.03 | TEMPORARY BARRICADES (TYPE III) | L.F. | 30 |
| | 713-16.21 | SIGNS (R1-1)(STOP) | EACH | 2 |
| | 713-16.22 | SIGNS (W1-7) | EACH | 1 |
| | 713-16.23 | SIGNS (W3-1) | EACH | 1 |
| 5 | 716-01.05 | TEMPORARY RAISED PAVEMENT MARKER | EACH | 40 |
| 7 | 716-02.05 | PLASTIC PAVEMENT MARKING (STOP LINE) | L.F. | 22 |
| 8 | 716-05.01 | PAINTED PAVEMENT MARKING (4" LINE) | L.M. | 1 |
| | 716-13.06 | SPRAY THERMO PVMT MRKNG (40 mil) (4IN LINE) | L.M. | 0.3 |
| | 717-01 | MOBILIZATION | LS | 1 |
| 1 | 801-01.07 | TEMPORARY SEEDING (WITH MULCH) | UNIT | 10 |
| | 801-02 | SEEDING (WITHOUT MULCH) | UNIT | 13 |
| | 801-03 | WATER (SEEDING & SODDING) | M.G. | 2 |
| | 805-12.02 | EROSION CONTROL BLANKET (TYPE II) | S.Y. | 1178 |

1. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
2. QUANTITIES MAY BE INCREASED OR DECREASED BY TDOT SUPERVISOR
3. INCLUDES 51 CY FOR TEMPORARY BERM (0.36 CY/LF)
4. INCLUDES 500 TON FOR MAINTENANCE OF TRAFFIC
5. MISSING RAISED PAVEMENT MARKERS SHALL BE REPLACED AT THE INSTRUCTION OF THE TDOT SUPERVISOR. ALL RAISED PAVEMENT MARKERS SHALL BE REMOVED BEFORE PLACEMENT OF THE FINAL PAVEMENT SURFACE. THE COST OF REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR RAISED PAVEMENT MARKERS.
6. THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF NCHRP 350 FOR TEST LEVEL 3. EXAMPLES WOULD BE A QUAD-GUARD, A REACT 350, OR TRACC. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.
7. THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC
8. FOR TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS
9. INCLUDES 110 TON FOR MAINTENANCE OF TRAFFIC
10. SEE SHEET NO. 8 FOR CONSTRUCTION SIGN LOCATIONS
11. TO BE USED FOR MAINTENANCE OF TRAFFIC

## CROSS DRAIN TABULATION

| STATION | HDPE FILL HEIGHT < OR = 16 FT. 18" | 24" | 30" | 36" | 42" | SKEW | END TREATMENT INLET TYPE | INLET DRAWING NO. | OUTLET TYPE | OUTLET DRAWING NO. | 42" ENDWALL 4:1 611-07.67 (EACH) | STRUC. STEEL 611-07.03 (LB.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13+28.00 | | | | | 54* | 85° RT | 4U | D-PE-42A D-PE-42B | 4U | D-PE-42A D-PE-42B | 2 | 360 | |
| TOTALS | 0 | 0 | 0 | 0 | 54 | | | | | | 2 | 360 | |

* PROPOSED PIPE TO BE CORRUGATED HDPE FOR HYDRAULIC REASONS.

## RAMP TABULATION

| STATION | LOCATION LT | RT | DESCRIPTION | SURFACE WIDTH (L.F.) | RCP CLASS III OR CMP 16 GA. OR HDPE OR PVC OR SRTRP (L.F.) FILL HEIGHT < OR = 10 FT. 18" | 24" | 30" | 36" | 48" | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11+50± | | X | GRAVEL FIELD ENT. | 12 | | | | | | NO S.D. REQ'D |
| 13+63± | X | | ASP. FIELD ENT. | 12 | 33 | | | | | |
| 14+35± | X | | ASP. PVT. DR. | 20 | 38 | | | | | |
| TOTALS | | | | | 71 | 0 | 0 | 0 | 0 | |

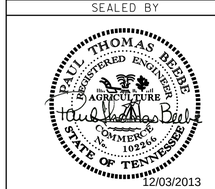
## ESTIMATED GRADING QUANTITIES

| STATION TO STATION | ROAD & DRAINAGE EXC. (UNCL.) C.Y. | BORROW EXCAVATION UNCL. C.Y. | EMB. C.Y. | TOPSOIL C.Y. |
|---|---|---|---|---|
| 10+72 TO 15+00 | 591 | 431 | 864 | 115 |
| TOTALS | 591 | 431 | 864 | 115 |

## RIP-RAP DITCHES

| STATION FROM | TO | SIDE LT | RT | WIDTH (L.F.) | RIP-RAP (TONS) | REMARKS |
|---|---|---|---|---|---|---|
| 10+72 | 13+28 | X | | 6 | 149 | |
| 13+28 | 15+00 | X | | 6 | 59 | |
| 11+50 | 13+28 | | X | 6 | 104 | |
| 14+00 | 14+50 | | X | 6 | 29 | |
| TOTALS | | | | | 341 | |

SEALED BY




12/03/2013

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY AND TABULATED QUANTITIES

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