| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---|---|---|---|
| RESURF. | 2014 | HSIP-211(13) | 2 |

REVISED: 2/10/14 ADDED ITEM NOS. 713-16.20 AND 713-16.21.

REVISED: 3/6/14 ADDED ALTERNATE AA3 ITEM NOS. 403-01, 411-03.12, AND 712-06.

REVISED: 3/7/14 ADDED ALTERNATE AA3 ITEM NOS. 311-03.01 AND 311-03.10.

## ESTIMATED ROADWAY QUANTITIES

| | ITEM NO. | DESCRIPTION | UNIT | 23211-4226-04 QUANTITY | HSIP-211(13) QUANTITY | TOTAL QUANTITY |
|---|---|---|---|---|---|---|
| | 202-03.01 | REMOVAL OF ASPHALT PAVEMENT | S.Y. | 100 | 0 | 100 |
| | 203-06 | WATER | M.G. | 15 | 0 | 15 |
| 1 | 303-02 | MINERAL AGGREGATE, TYPE B BASE, GRADING C OR D | TON | 1895 | 0 | 1895 |
| 2 | 307-01.01 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A | TON | 46 | 0 | 46 |
| 3 | 607-39.02 | 18" PIPE CULVERT (SIDE DRAIN) | L.F. | 60 | 0 | 60 |
| 4 | 705-04.03 | GUARDRAIL TERMINAL (TYPE 13) | EACH | 0 | 4 | 4 |
| 4 | 705-04.05 | GUARDRAIL TERMINAL (TYPE-IN-LINE) | EACH | 0 | 4 | 4 |
| 4 | 705-04.07 | TAN ENERGY ABSORBING TERM (NCHRP 350, TL3) | EACH | 0 | 4 | 4 |
| | 705-10.31 | GUARDRAIL ATTACHMENT TO VERTICAL FACE ENDPOST | L.F. | 0 | 240 | 240 |
| | 705-11.52 | SHP CURVED TYPE 2 GR BRDGE ENDS (POWDER COATED) | L.F. | 0 | 100 | 100 |
| | 712-01 | TRAFFIC CONTROL | LS | 1 | 0 | 1 |
| | 713-16.20 | SIGNS (GRADE CROSSING ADVANCE WARNING, W10-1) | EACH | 0 | 1 | 1 |
| | 713-16.21 | SIGNS (GRADE CROSSING ADVANCE WARNING, W10-3) | EACH | 0 | 2 | 2 |
| | 716-01.21 | SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color) | EACH | 0 | 476 | 476 |
| | 716-02.04 | PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING) | S.Y. | 0 | 29 | 29 |
| | 716-02.05 | PLASTIC PAVEMENT MARKING (STOP LINE) | L.F. | 0 | 375 | 375 |
| 6 8 | 716-02.06 | PLASTIC PAVEMENT MARKING (TURN LANE ARROW) | EACH | 0 | 1 | 1 |
| | 716-03.02 | PLASTIC WORD PAVEMENT MARKING (RXR) | EACH | 0 | 1 | 1 |
| | 716-03.03 | PLASTIC WORD PAVEMENT MARKING (STOP AHEAD) | EACH | 0 | 1 | 1 |
| 7 | 716-05.01 | PAINTED PAVEMENT MARKING (4" LINE) | L.M. | 26.89 | 0 | 26.89 |
| 8 9 | 716-13.06 | SPRAY THERMO PVMT MRKNG (40 mil) (4IN LINE) | L.M. | 0 | 26.89 | 26.89 |
| | 717-01 | MOBILIZATION | LS | 1 | 0 | 1 |
| | | ALTERNATE AA1 | | | | |
| | 403-01 | BITUMINOUS MATERIAL FOR TACK COAT (TC) | TON | 47 | 0 | 47 |
| 5 10 | 411-02.10 | ACS MIX(PG70-22) GRADING D | TON | 7252 | 0 | 7252 |
| | 415-01.02 | COLD PLANING BITUMINOUS PAVEMENT | S.Y. | 103160 | 0 | 103160 |
| 11 12 | 712-06 | SIGNS (CONSTRUCTION) | S.F. | 1392 | 0 | 1392 |
| | | ALTERNATE AA2 | | | | |
| | 403-01.01 | BITUMINOUS MATERIAL FOR TACK COAT (MICRO-SURFACING) | TON | 19 | 0 | 19 |
| | 311-03.01 | HOT IN PLACE RECYCLING OF ASPHALT PAVEMENT (1.25IN) | S.Y. | 103160 | 0 | 103160 |
| | 311-03.10 | ASPHALT REJUVENATING AGENT | GAL. | 15474 | 0 | 15474 |
| 13 | 414-03.01 | EMULSIFIED ASPHALT FOR MICRO-SURFACING | TON | 165 | 0 | 165 |
| 14 | 414-03.02 | AGGREGATE FOR MICRO SURFACING | TON | 1215 | 0 | 1215 |
| 12 | 712-06 | SIGNS (CONSTRUCTION) | S.F. | 784 | 0 | 784 |
| | | ALTERNATE AA3 | | | | |
| | 311-03.01 | HOT IN PLACE RECYCLING OF ASPHALT PAVEMENT (1.25IN) | S.Y. | 103160 | 0 | 103160 |
| | 311-03.10 | ASPHALT REJUVENATING AGENT | GAL. | 15474 | 0 | 15474 |
| | 403-01 | BITUMINOUS MATERIAL FOR TACK COAT (TC) | TON | 34 | 0 | 34 |
| 5 15 16 | 411-03.12 | ACS MIX(PG64-22) THIN LIFT D ASPHALT | TON | 3588 | 0 | 3588 |
| 12 | 712-06 | SIGNS (CONSTRUCTION) | S.F. | 784 | 0 | 784 |

## FOOTNOTES

1. INCLUDES 68 TONS FOR BREAKOUT.
2. FOR REPLACEMENT OF QUANTITY REMOVED UNDER ITEM 202-03.01 ONLY.
3. TO BE USED ON BUSINESS ENTRANCES, PRIVATE DRIVES AND FIELD ENTRANCES AS DIRECTED BY THE ENGINEER.
4. FOR UPGRADE OF EXISTING ANCHORS AT ALL STRUCTURE LOCATIONS IN PROJECT LIMITS. THE COST OF REMOVAL OF EXISTING GUARDRAIL AND ANCHORS TO BE INCLUDED IN THIS ITEM.
5. SEE SPECIAL PROVISION NO. 407G FOR MATERIAL TRANSFER DEVICE AND SPECIAL PROVISION NO. 411C FOR RIDEABILITY SPECIFICATIONS.
6. 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.
7. FOR USE AS TEMPORARY LINE MARKINGS, INCLUDES 3 MILES FOR SPOT LEVELING, CITY STREETS, AND INTERSECTIONS.
8. FOR FINAL PAVEMENT MARKING ONLY.
9. INCLUDES 3 MILES FOR CITY STREETS AND INTERSECTIONS.
10. INCLUDES 317 TONS FOR COUNTY ROADS, CITY STREETS, PRIVATE DRIVES, FIELD ENTRANCES, AND BUSINESS FRONTS, AND 100 TONS FOR SPOT LEVELING.
11. QUANTITY INCLUDES

| | | | |
|---|---|---|---|
| 36 | UNEVEN LANES | (W8-11) | (48" X 48") |
| 2 | MOTORCYCLE GROOVE SIGN | (TN-64) | (48" X 48") |

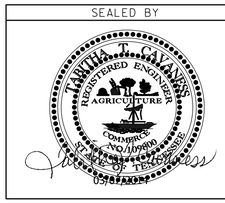
12. QUANTITY INCLUDES

| | | | |
|---|---|---|---|
| 2 | ROAD WORK NEXT 7 MI. | (G20-1) | (48" X 24") |
| 2 | END ROAD WORK | (G20-2) | (48" X 24") |
| 21 | ROAD WORK AHEAD | (W20-1) | (48" X 48") |
| 2 | ROAD WORK 1 MILE | (W20-1) | (48" X 48") |
| 2 | ROAD WORK 1500 FT. | (W20-1) | (48' X 48") |
| 2 | ROAD WORK 1000 FT. | (W20-1) | (48" X 48") |
| 2 | ROAD WORK 500 FT. | (W20-1) | (48" X 48") |
| 2 | ONE LANE ROAD AHEAD | (W20-4) | (48" X 48") |
| 2 | FLAGGER AHEAD | (W20-7a) | (48" X 48") |
| 2 | FRESH OIL | (W21-2) | (48" X 48") |
| 14 | SHOULDER WORK | (W21-5) | (48" X 48") |

THIS CONSTRUCTION SIGNING IS TO BE AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

13. INCLUDES 11 TONS FOR CITY STREETS, COUNTY ROADS, PRIVATE DRIVES, FIELD ENTRANCES, AND BUSINESS FRONTS.
14. INCLUDES 80 TONS FOR CITY STREETS, COUNTY ROADS, PRIVATE DRIVES, FIELD ENTRANCES, AND BUSINESS FRONTS.
15. INCLUDES 235 TONS FOR CITY STREETS, COUNTY ROADS, PRIVATE DRIVES, FIELD ENTRANCES, AND BUSINESS FRONTS.
16. SEE SPECIAL PROVISION NUMBER 411TLD.

SEALED BY




STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

# ESTIMATED ROADWAY QUANTITIES

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