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|                            |
|----------------------------|
| Anthony Washington         |
| 2025.11.24 13:38:00-06'00' |

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THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

**SHEET NAME**

**SHEET NO.**

SIGNATURE SHEET .....ROADWAY-SIGN2

ROADWAY INDEX, STANDARD ROADWAY DRAWINGS AND

STANDARD TRAFFIC DESIGN DRAWINGS ..... 1A

ESTIMATED ROADWAY QUANTITIES .....2

| YEAR | PROJECT NO.  | SHEET NO.      |
|------|--------------|----------------|
| 2025 | NH-I-840(26) | ROADWAY-SIGN 2 |
|      |              |                |
|      |              |                |
|      |              |                |

REV. 11-24-25: ADDED SHEET.

**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**

# SIGNATURE SHEET

ROADWAY INDEX

| SHEET NAME   | SHEET NO.     |
|--|---------------|
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| SIGNATURE SHEETS.....  | ROADWAY-SIGN2 |
| TITLE SHEET .....  | 1             |
| ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND  |               |
| STANDARD TRAFFIC DESIGN DRAWINGS .....   | 1A            |
| ESTIMATED ROADWAY QUANTITIES .....   | 2             |
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| NOTE: THE ALPHABETICAL LETTERS "I", "O" & "Q" ARE NOT USED IN THE NUMBERING OF SHEETS. |               |
| NO UTILITY SHEETS ARE INCLUDED IN THIS SET OF PLANS.                                   |               |
| NO PROJECT COMMITMENTS ARE INCLUDED IN THIS SET OF PLANS.                              |               |

STANDARD ROADWAY DRAWINGS

| DWG.   | REV.     | DESCRIPTION                        |
|--|----------|------------------------------------|
| 10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS |          |                                    |
| RD-A-1   | 02-20-20 | STANDARD ABBREVIATIONS A THROUGH L |
| RD-A-2   |          | STANDARD ABBREVIATIONS M THROUGH Z |
| RD-L-1   | 02-20-20 | STANDARD LEGEND                    |
| RD-L-1A  |          | STANDARD LEGEND                    |

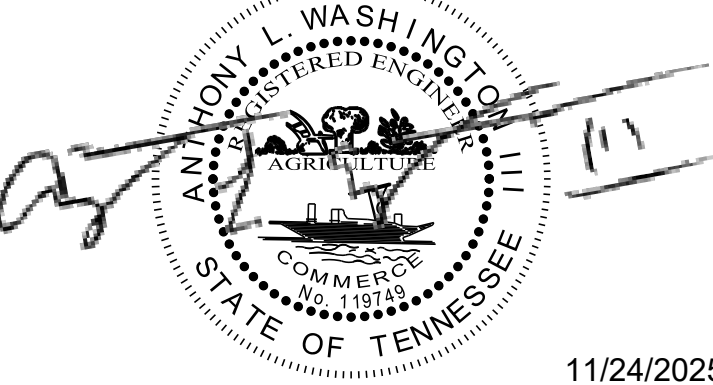
STANDARD TRAFFIC DESIGN DRAWINGS

| DWG.                               | REV.     | DESCRIPTION  |
|------------------------------------|----------|--|
| 10-201.00 SIGNALS                  |          |  |
| T-SG-2                             | 06-27-16 | LOOP LEAD-INS, CONDUIT AND PULL BOXES  |
| T-SG-3                             | 07-11-17 | STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS  |
| 10-204.00 DESIGN - TRAFFIC CONTROL |          |  |
| T-M-4                              | 01-24-25 | STANDARD INTERSECTION PAVEMENT MARKINGS  |
| T-M-5                              | 01-24-25 | MARKING DETAIL FOR FREEWAYS  |
| T-M-6                              | 01-24-25 | MARKING DETAIL FOR EXPRESSWAY AND FREEWAY INTERCHANGES   |
| T-M-7                              | 01-24-25 | GORE MARKING DETAILS FOR EXPRESSWAY & FREEWAY INTERCHANGES                                     |
| T-M-8                              | 01-24-25 | MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS   |
| T-M-15                             | 01-24-25 | ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES |
| T-WZ-10                            | 03-26-25 | ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS   |
| T-WZ-11                            | 03-26-25 | ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS  |
| T-WZ-21                            | 03-26-25 | LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT   |
| T-WZ-60                            | 03-26-25 | FREEWAY RESURFACING SIGNING LAYOUT   |
| T-WZ-63                            | 03-26-25 | WORK ZONE IN THE VICINITY OF AN ENTRANCE RAMP  |
| T-WZ-64                            | 03-26-25 | WORK ZONE IN THE VICINITY OF AN EXIT   |
| T-WZ-FAB1                          | 03-26-25 | FLASHING YELLOW ARROW BOARD  |

| TYPE   | YEAR | PROJECT NO.  | SHEET NO. |
|--------|------|--------------|-----------|
| RESURF | 2025 | NH-L-840(26) | 1A        |
|        |      |              |           |
|        |      |              |           |
|        |      |              |           |

REV. 11-24-25: ADDED ROADWAY-SIGN2 TO INDEX.

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11/24/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,  
STANDARD ROADWAY  
DRAWINGS AND  
STANDARD TRAFFIC  
DESIGN DRAWINGS

| ESTIMATED ROADWAY QUANTITIES               |           |  |  |   | FOOTNOTES     |  |   |
|--|-----------|--|--|---|---------------|--|---|
|  |           | ITEM NO.   | DESCRIPTION  | UNIT  | QUANTITY      |  |   |
|  |           |  |  |   | 941840-F8-009 |  |   |
| (1)(2)                                     |           | 208-01.05  | BROOMING & DEGRASSING SHOULDERS                        | L.M.  | 40            | (1)  | TO BE USED AS DIRECTED BY THE ENGINEER.   |
|  |           | 303-01   | MINERAL AGGREGATE, TYPE A BASE, GRADING D              | TON   | 5294          |  |   |
|  |           | 307-03.12  | ASPHALT CONCRETE MIX (PG76-22) GRADING CM              | TON   | 28606         |  |   |
| (3)  |           | 403-01   | BITUMINOUS MATERIAL FOR TACK COAT (TC)                 | TON   | 222           | (2)  | INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET 2C, PAVEMENT MARKINGS, FINAL PAVEMENT MARKING NOTE 6 AND SHEET 2D, PAVEMENT, RESURFACING, NOTE 2.  |
| (6)(7)                                     |           | 411-01.21  | LONGITUDINAL JOINT SEALANT                             | L.M.  | 12.6          |  |   |
| (8)(9)(10)                                 |           | 411-03.10  | ACS MIX (PG76-22) GRADING D                            | TON   | 10726         |  |   |
| (11)                                       |           | 411-03.23  | ACS MIX (PG76-22) OGFC                                 | TON   | 19357         |  |   |
|  |           | 411-12.01  | SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)            | L.M.  | 32.9          |  |   |
| (12)                                       |           | 415-01.01  | COLD PLANING BITUMINOUS PAVEMENT                       | TON   | 38635         | (3)  | INCLUDES 12 TONS FOR RAMP SHOULDERS.  |
| (13)                                       |           | 712-01   | TRAFFIC CONTROL  | LS  | 1             |  |   |
|  |           | 712-04.01  | FLEXIBLE DRUMS (CHANNELIZING)                          | EACH  | 753           |  |   |
|  |           | 712-05.01  | WARNING LIGHTS (TYPE A)                                | EACH  | 8             |  |   |
| (14)                                       |           | 712-05.03  | WARNING LIGHTS (TYPE C)                                | EACH  | 93            | (4)  | ALTERNATE AA1 ITEM. USE AN APPROVED TRACKLESS TACK FROM QPL 40-F APPLIED WITH A DISTRIBUTOR AT A MINIMUM RATE OF 0.20 GAL/SY (APPROXIMATE RESIDUAL RATE 0.10 GAL/SY). PAVING OF THE OGFC SHALL NOT BEGIN UNTIL THE DEPARTMENT IS SATISFIED THE APPLICATION RATE IS ACHIEVED AND THE EMULSION HAS FULLY BROKEN. MULTIPLE PASSES MAY BE REQUIRED. OR, EMULSION TYPE CQS-1HP MAY BE APPLIED WITH A SPRAY PAVER AT AN APPLICATION RATE BETWEEN 0.18 TO 0.23 GAL/SY. THE SPRAY PAVER SHALL BE A SINGLE PIECE OF EQUIPMENT THAT APPLIES THE TACK COAT AND SPREADS THE BITUMINOUS PAVEMENT. AT A MINIMUM THE SPRAY PAVER SHALL MEET THE PAVER REQUIREMENTS OF 407.06 AND THE DISTRIBUTOR REQUIREMENTS IN 402.03. |
|  |           | 712-06   | SIGNS (CONSTRUCTION)                                   | S.F.  | 2292          |  |   |
|  | (15)      |  | 712-06.16  | SIGNS (CONSTRUCTION)(REDUCED SPEED WARNING) | EACH          |  |   |
|  |           | 712-07.03  | TEMPORARY BARRICADES (TYPE III)                        | L.F.  | 48            |  |   |
|  |           | 712-08.08  | SPEED FEEDBACK SIGN ASSEMBLY                           | EACH  | 4             |  |   |
|  |           | 712-08.09  | DIGITAL SPEED LIMIT SIGN ASSEMBLY                      | EACH  | 30            | (5)  | ALTERNATE AA2 ITEM. TO BE USED FOR TACK COAT UNDERNEATH OGFC. HOT APPLIED TRACKLESS TACK MAY BE EITHER HOT APPLIED ASPHALT BINDER OR AN APPROVED HOT APPLIED TRACKLESS TACK COAT FROM QPL 40, SECTION F. IF USING ASPHALT BINDER THE MINIMUM GRADE SHALL BE PG64-22 BUT A HIGHER GRADE MAY BE USED AT THE CONTRACTOR'S DISCRETION.  |
|  |           | 712-08.12  | QUEUE PROTECTION TRUCK                                 | DAY   | 150           |  |   |
|  |           | 713-16.01  | CHANGEABLE MESSAGE SIGN UNIT                           | EACH  | 4             |  |   |
| (16)(17)(22)                               |           | 716-01.23  | SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR) | EACH  | 2849          |  |   |
|  |           | 716-01.30  | REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER              | EACH  | 2849          |  |   |
|  |           | 716-02.06  | PLASTIC PAVEMENT MARKING (TURN LANE ARROW)             | EACH  | 6             |  |   |
| (16)(17)                                   |           | 716-02.07  | PLASTIC PAVEMENT MARKING (24" BARRIER LINE)            | L.F.  | 11053         | (7)  | THE CONTACT SURFACE OF TRANSVERSE JOINTS AND LONGITUDINAL JOINTS IN THE SURFACE LIFT SHALL BE SEALED BY APPLYING JOINT SEALANT PRIOR TO PLACEMENT OF ADDITIONAL ASPHALT AGAINST THE PREVIOUSLY PLACED MATERIAL. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED IF THE MATERIAL NEEDS TO BE RE-HEATED, AND WHEN PLACING THE THIN, UNIFORM COAT. PRIOR TO APPLICATION OF THE SEALANT, THE FACE OF THE JOINT SHALL BE THOROUGHLY DRY AND FREE FROM DUST OR OTHER MATERIAL. TRUCK AND VEHICLE TRAFFIC SHALL NOT DRIVE ACROSS THE SEALANT JOINT UNTIL IT HAS DRIED SUFFICIENT TO PREVENT DAMAGE.   |
| (16)(17)(22)                               |           | 716-02.11  | PLASTIC PAVEMENT MARKING (6" DOTTED LINE)              | L.F.  | 51564         |  |   |
| (16)(17)(22)                               |           | 716-02.24  | PLASTIC PAVEMENT MARKING (12IN DWL)                    | L.F.  | 16232         |  |   |
| (16)(17)(22)                               |           | 716-04.01  | PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)         | EACH  | 5             |  |   |
| (16)(17)                                   |           | 716-04.05  | PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)              | EACH  | 1             | (8)  | INCLUDES 725 TONS FOR GORE AREAS.   |
| (16)(17)(22)                               |           | 716-04.14  | PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW)        | EACH  | 4             |  |   |
| (18)                                       |           | 716-05.02  | PAINTED PAVEMENT MARKING (8" BARRIER LINE)             | L.F.  | 18340         |  |   |
|  | (18)      | 716-05.20  | PAINTED PAVEMENT MARKING (6" LINE)                     | L.M.  | 74.9          |  |   |
|  |           | 716-08.02  | REMOVAL OF PAVEMENT MARKING (8" BARRIER LINE)          | L.F.  | 3963          | (9)  | INCLUDES 566 TONS FOR BRIDGE APPROACHES/DEPARTURES AT THE FOLLOWING LOCATIONS: L.M. 21.68, L.M. 22.82, L.M. 23.39, L.M. 26.00, L.M. 28.67, & L.M. 30.90.  |
|  |           | 716-08.09  | REMOVAL OF PAVEMENT MARKING (DOTTED LINE)              | L.F.  | 1824          |  |   |
|  |           | 716-08.20  | REMOVAL OF PAVEMENT MARKING (LINE)                     | L.M.  | 3             |  |   |
| (19)                                       |           | 716-08.21  | REMOVAL OF PAVEMENT MARKING (24IN BARRIER LINE)        | L.F.  | 2423          |  |   |
|  |           | 716-09.86  | CONTRAST PAVEMENT MARKING 6"                           | L.M.  | 2.3           |  |   |
|  | (20)      | 716-09.88  | CONTRAST PAVEMENT MARKING 8"                           | L.M.  | 0.7           |  |   |
| (20)                                       | 716-09.89 | CONTRAST PAVEMENT MARKING 12"                          | L.F.   | 908   | (11)          | 286 TONS TO BE USED FOR PLANT STARTUP AND HEATING UP EQUIPMENT AT BEGINNING OF EACH SHIFT, 15 TONS WASTE MATERIAL PER DAY.   |   |
| (20)                                       | 716-09.90 | CONTRAST PAVEMENT MARKING 6" DOTTED                    | L.F.   | 1372  |               |  |   |
| (21)                                       | 716-09.97 | CONTRAST PAVEMENT SHADOW MARKING 6"                    | L.F.   | 3120  |               |  |   |
| (17)                                       | 716-12.02 | ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)         | L.M.   | 42.8  |               |  | (12)  |
| (17)                                       | 716-12.03 | ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE) | L.F.   | 18340                                       |               |  |   |
| (17)                                       | 716-12.05 | ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)  | L.F.   | 12891                                       |               |  |   |
| (17)(22)                                   | 716-12.09 | ENHANCED FLAT LINE THERMO (12IN LINE)                  | L.F.   | 5279  | (13)          | THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. |   |
| (17)                                       | 716-12.10 | ENHANCED FLAT LINE THERMO (12IN DOTTED)                | L.F.   | 4058  |               |  |   |
|  | 717-01    | MOBILIZATION   | LS   | 1   |               |  |   |
| (23)                                       | 730-03.20 | INSTALL PULL BOX (TYPE A)                              | EACH   | 4   |               |  | (14)  |
| (24)                                       | 730-12.02 | CONDUIT 2" DIAMETER (PVC SCHEDULE 40)                  | L.F.   | 80  |               |  |   |
| (25)                                       | 730-14.02 | SAW SLOT   | L.F.   | 1200  |               |  |   |
| (26)                                       | 730-14.03 | LOOP WIRE  | L.F.   | 2000  |               |  |   |
|  |           |  |  |   |               | (15)   | ITEM TO BE USED ONLY WHEN A REDUCED SPEED LIMIT IS ESTABLISHED WITHIN THE PROJECT CONSTRUCTION WORK ZONE LIMITS. ITEM INCLUDES SIGN FACE, SUPPORTS, AND TWO TYPE "B" FLASHERS PER THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TURNING ON THE TYPE "B" FLASHERS WHEN WORKERS ARE IN THE CONSTRUCTION WORK ZONE AND TURNING THEM OFF WHEN WORKERS ARE NO LONGER IN THE CONSTRUCTION WORK ZONE.   |
|  |           |  |  |   |               |  |   |
|  |           | ALTERNATE AA1  |  |   |               |  |   |
| (4)  | 403-02.01 | TRACKLESS TACK COAT                                    | TON  | 302   |               |  |   |
|  |           |  |  |   |               | (16)   | 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.  |
|  |           | ALTERNATE AA2  |  |   |               |  |   |
| (5)  | 403-02.02 | HOT APPLIED TACK COAT                                  | TON  | 227   |               |  |   |
|  |           |  |  |   |               |  |   |
| THERE IS NO GUARDRAIL WORK ON THIS PROJECT |           |  |  |   |               | (17)   | ITEM TO BE USED AS PERMANENT MARKING ONLY.  |
|  |           |  |  |   |               | (18)   | ITEM TO BE USED AS TEMPORARY PAVEMENT MARKING ONLY.   |
|  |           |  |  |   |               | (19)   | FOR PERMANENT EDGE LINE MARKING ON CONCRETE SURFACES.   |
|  |           |  |  |   |               | (20)   | FOR PERMANENT MARKING ON CONCRETE SURFACES.   |
|  |           |  |  |   |               | (21)   | FOR PERMANENT LANE LINE MARKING ON CONCRETE SURFACES. ITEM COST INCLUDES 10 LF WHITE MARKING AND 10 LF BLACK MARKING.   |
|  |           |  |  |   |               | (22)   | SEE SERIES 2G, PAVEMENT MARKING IMPROVEMENTS, FOR LOCATIONS.  |
|  |           |  |  |   |               | (23)   | SEE SHEETS 2G14 AND 2G15, TRAFFIC DETECTION LOOPS DETAIL. 1 FOR EACH LOCATION.  |
|  |           |  |  |   |               | (24)   | SEE SHEETS 2G14 AND 2G15, TRAFFIC DETECTION LOOPS DETAIL. 20 LF FOR EACH LOCATION.  |
|  |           |  |  |   |               | (25)   | SEE SHEETS 2G14 AND 2G15, TRAFFIC DETECTION LOOPS DETAIL. 300 LF FOR EACH LOCATION.   |
|  |           |  |  |   |               | (26)   | SEE SHEETS 2G14 AND 2G15, TRAFFIC DETECTION LOOPS DETAIL. 500 LF FOR EACH LOCATION.   |

SEAL BY

ANTHONY L. WASHINGTON

REGISTERED ENGINEER

11

STATE OF TENNESSEE

COMMERCIAL

19745

11/24/2025

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

| TYPE   | YEAR | PROJECT NO.  | SHEET NO. |
|--------|------|--------------|-----------|
| RESURF | 2025 | NH-I-840(26) | 2         |
|        |      |              |           |
|        |      |              |           |
|        |      |              |           |

REV. 11-24-25: ADDED PAY ITEM 713-16.01.

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11/24/2025

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DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES