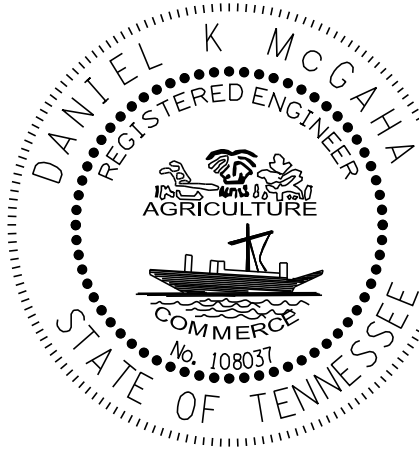




THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Daniel McGaha

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HDR ENGINEERING, INC.  
120 BRENTWOOD COMMONS WAY  
SUITE 525  
BRENTWOOD, TN 37027  
DANIEL K. MCGAHA, P.E. 108037

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-SIGN1 |
| TITLE SHEET .....                                                                      | 1             |
| ROADWAY INDEX, STANDARD ROADWAY DRAWINGS AND<br>STANDARD TRAFFIC DESIGN DRAWINGS ..... | 1A            |
| PROJECT COMMITMENTS .....                                                              | 1B            |
| ESTIMATED ROADWAY QUANTITIES .....                                                     | 2             |
| TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....                                           | 2B            |
| GENERAL NOTES .....                                                                    | 2C            |
| SPECIAL NOTES .....                                                                    | 2D            |
| ENVIRONMENTAL NOTES .....                                                              | 2E, 2E1       |
| TABULATED QUANTITIES .....                                                             | 2F            |
| UTILITY NOTES AND UTILITY OWNERS .....                                                 | 3             |
| PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL .....                                 | T1            |

| YEAR | PROJECT NO.     | SHEET NO.      |
|------|-----------------|----------------|
| 2025 | NH/HSIP-254(14) | ROADWAY-SIGN 1 |
|      |                 |                |
|      |                 |                |
|      |                 |                |

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

---

**SIGNATURE**  
**SHEET**



Index Of Sheets  
SEE SHEET NO. 1A

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF ENGINEERING

DAVIDSON COUNTY

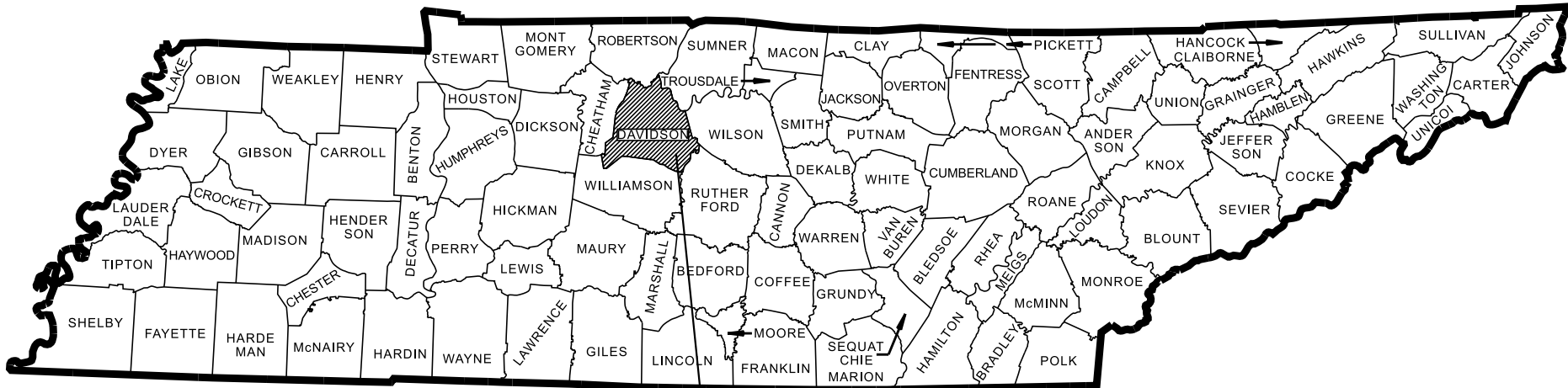
STATE ROUTE 254  
FROM BLUE HOLE ROAD  
TO SR-1 (MURFREESBORO PIKE)

RESURFACE & SAFETY  
MILL, 411D AND PAVEMENT MARKING

STATE HIGHWAY NO. 254 F.A.H.S. NO. N/A

|                                                     |       |      |
|-----------------------------------------------------|-------|------|
| DOES THIS PROJECT QUALIFY<br>FOR UTILITY CHAPTER 86 | YES   | NO X |
| WORK ZONE SIGNIFICANCE DETERMINATION                |       |      |
| SIGNIFICANT                                         | YES X | NO   |

|                    |                 |           |
|--------------------|-----------------|-----------|
| TENN.              | YEAR            | SHEET NO. |
|                    | 2025            | 1         |
| FED. AID PROJ. NO. | NH/HSIP-254(14) |           |
| STATE PROJ. NO.    | 19S254-F8-004   |           |
| STATE PROJ. NO.    | 19S254-F3-004   |           |
| STATE PROJ. NO.    | 19S254-M3-004   |           |



PROJECT LOCATION  
BRIDGE ID. # 19S61580005 19S61580007 19I00240041  
19SR2540001

NO EXCLUSIONS



APPROVED:   
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED:   
WILL REID, COMMISSIONER

| TRAFFIC COUNTER & WEATHER STATIONS |          |
|------------------------------------|----------|
| STATION LOCATION                   | LOG MILE |
| TC STATION 169                     | 14.089   |
| TC STATION 459                     | 15.000   |
| TC STATION 170                     | 16.215   |

| TRAFFIC DATA                  |        |
|-------------------------------|--------|
| ADT (2025)                    | 38818  |
| POSTED SPEED LM 13.97 - 14.59 | 45 MPH |
| POSTED SPEED LM 14.59 - 16.16 | 35 MPH |
| POSTED SPEED LM 16.16 - 17.28 | 45 MPH |

19S254-F3-004  
19S254-F8-004  
END PROJECT NO. NH/HSIP-254(14) RESURFACE & SAFETY  
L.M. 17.28

CSX OVERHEAD CROSSING #349228T  
SR-254 @ L.M. 14.94  
CSX M.P. (00J 0010.980)  
LAT: 36.0461950 LONG: -86.6577220

BRIDGE DECK REPAIR PROJECT NO. 19S254-M3-004  
SR-254 @ L.M. 14.11

19S254-F3-004  
19S254-F8-004  
BEGIN PROJECT NO. NH/HSIP-254(14) RESURFACE & SAFETY  
L.M. 13.97

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER: KONNER SPRADLIN, P.E., REGION 3  
DESIGN FIRM : HDR ENGINEERING, INC.  
DESIGNER : DANIEL K. MCGAHA, P.E. CHECKED BY DAVID HORNE, P.E.  
P.E. NO. 98034-4299-04 (DESIGN)  
PIN NO. 131245.00



PROJECT LENGTH 3.31 MILES  
TOTAL LANE MILES RESURFACED 21.98 MILES



ROADWAY INDEX

| SHEET NAME                                             | SHEET NO.     |
|--------------------------------------------------------|---------------|
| SIGNATURE SHEETS.....                                  | ROADWAY-SIGN1 |
| TITLE SHEET .....                                      | 1             |
| ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND          |               |
| STANDARD TRAFFIC DESIGN DRAWINGS .....                 | 1A            |
| PROJECT COMMITMENTS .....                              | 1B            |
| ESTIMATED ROADWAY QUANTITIES .....                     | 2             |
| TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....           | 2B            |
| GENERAL NOTES.....                                     | 2C            |
| SPECIAL NOTES.....                                     | 2D            |
| ENVIRONMENTAL NOTES.....                               | 2E, 2E1       |
| TABULATED QUANTITIES .....                             | 2F            |
| PAVEMENT MARKING IMPROVEMENTS.....                     | 2G, 2G1 – 2G9 |
| UTILITY NOTES, AND UTILITY OWNERS.....                 | 3             |
| PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL ..... | T1            |
| BRIDGE PLANS .....                                     | B-1           |
| NO UTILITY SHEETS ARE INCLUDED IN THIS SET OF PLANS    |               |

STANDARD ROADWAY DRAWINGS

| DWG.                                                                      | REV.     | DESCRIPTION                                                       |
|---------------------------------------------------------------------------|----------|-------------------------------------------------------------------|
| <b>10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS</b> |          |                                                                   |
| 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                                                   |
| <b>10-105.00 MULTIMODAL</b>                                               |          |                                                                   |
| MM-PM-2                                                                   | 07-30-24 | SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES          |
| MM-PM-3                                                                   | 06-15-21 | SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES ON URBAN ROADWAYS |
| MM-PM-4                                                                   |          | SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES                   |
| MM-PM-5                                                                   | 05-04-22 | SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS  |
| MM-TS-1                                                                   | 06-15-21 | BIKE ACCOMMODATION DESIGN GUIDANCE                                |

STANDARD TRAFFIC DESIGN DRAWINGS

| DWG.                                      | REV.     | DESCRIPTION                                                                               |
|-------------------------------------------|----------|-------------------------------------------------------------------------------------------|
| <b>10-201.00 SIGNALS</b>                  |          |                                                                                           |
| 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                                             |
| <b>10-204.00 DESIGN - TRAFFIC CONTROL</b> |          |                                                                                           |
| T-M-1                                     | 01-24-25 | DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS             |
| T-M-2                                     | 01-24-25 | DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS                                       |
| T-M-3                                     | 01-24-25 | MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS |
| T-M-4                                     | 01-24-25 | STANDARD INTERSECTION PAVEMENT MARKINGS                                                   |
| T-M-18                                    | 01-24-25 | FLEXIBLE DELINEATOR DETAILS                                                               |
| 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-12                                   | 03-26-25 | ONE LANE CLOSURE DETAIL FOR BRIDGES ON DIVIDED HIGHWAYS                                   |
| T-WZ-40                                   | 03-26-25 | RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS                                         |
| T-WZ-41                                   | 03-26-25 | LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS                                          |
| T-WZ-FAB1                                 | 03-26-25 | FLASHING YELLOW ARROW BOARD                                                               |

| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
|--------|------|-----------------|-----------|
| RESURF | 2025 | NH/HSIP-254(14) | 1A        |
|        |      |                 |           |
|        |      |                 |           |
|        |      |                 |           |

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,  
STANDARD ROADWAY  
DRAWINGS AND  
STANDARD TRAFFIC  
DESIGN DRAWINGS



| PROJECT COMMITMENTS |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|---------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| COMMITMENT ID       | SOURCE DIVISON                                | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | STA. / LOCATION                                           |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
| EDHZ001             | ENVIRONMENTAL DIVISION<br>HAZARDOUS MATERIALS | AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS COMPLETED ON BRIDGE NO. 19S61580005 SR-254 OVER MILL CREEK LM 14.11 (19-SR254-14.11). NO ASBESTOS WAS DETECTED. PLEASE SEE THE REPORT FOR FURTHER DETAILS AND PHOTOGRAPHS. NO SPECIAL ACCOMMODATIONS FOR DEMOLITION AND WASTE DISPOSAL ARE ANTICIPATED FOR THESE STRUCTURES AND THE MATERIAL CAN BE DEPOSITED IN A C&D LANDFILL. PRIOR TO THE DEMOLITION OR REHABILITATION OF ANY STRUCTURE (BRIDGE OR BUILDING), THE CONTRACTOR IS REQUIRED TO SUBMIT THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TDEC DIVISION OF AIR POLLUTION CONTROL (PER TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021) SECTIONS 107.08.D AND 202.03). | BRIDGE NO. 19S61580005 SR-254<br>OVER MILL CREEK LM 14.11 |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
|                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |

|        |      |                 |           |
|--------|------|-----------------|-----------|
| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
| RESURF | 2025 | NH/HSIP-254(14) | 1B        |
|        |      |                 |           |
|        |      |                 |           |

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

PROJECT  
COMMITMENTS



| ESTIMATED ROADWAY QUANTITIES |            |                                                         |                                                   |                           |                           |                   |      |
|------------------------------|------------|---------------------------------------------------------|---------------------------------------------------|---------------------------|---------------------------|-------------------|------|
|                              | ITEM NO.   | DESCRIPTION                                             | UNIT                                              | QUANTITY<br>19S254-F8-004 | QUANTITY<br>19S254-F3-004 | TOTAL<br>QUANTITY |      |
| (1)                          | 403-01     | BITUMINOUS MATERIAL FOR TACK COAT (TC)                  | TON                                               | 65                        |                           | 65                |      |
| (2)                          | 411-01.21  | LONGITUDINAL JOINT SEALANT                              | L.M.                                              | 17                        |                           | 17                |      |
| (3)                          | 411-02.10  | ACS MIX(PG70-22) GRADING D                              | TON                                               | 10151                     |                           | 10151             |      |
| (4)                          | 415-01.01  | COLD PLANING BITUMINOUS PAVEMENT                        | TON                                               | 9559                      |                           | 9559              |      |
| (5)                          | 611-09.01  | ADJUSTMENT OF EXISTING CATCHBASIN                       | EACH                                              | 3                         |                           | 3                 |      |
| (6)                          | 712-01     | TRAFFIC CONTROL                                         | LS                                                | 1                         |                           | 1                 |      |
| (7)                          | 712-04.01  | FLEXIBLE DRUMS (CHANNELIZING)                           | EACH                                              | 75                        |                           | 75                |      |
|                              | 712-06     | SIGNS (CONSTRUCTION)                                    | S.F.                                              | 2082                      |                           | 2082              |      |
|                              | 713-02.11  | REMOVAL OF EXISTING DELINEATORS                         | EACH                                              | 20                        |                           | 20                |      |
|                              | 713-02.30  | FLEXIBLE TUBULAR DELINEATOR                             | EACH                                              | 20                        |                           | 20                |      |
|                              | 716-01.21  | SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR) | EACH                                              | 431                       | 281                       | 712               |      |
|                              | 716-01.22  | SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR) | EACH                                              | 591                       | 157                       | 748               |      |
|                              | 716-01.23  | SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)  | EACH                                              | 77                        |                           | 77                |      |
|                              | 716-01.30  | REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER               | EACH                                              | 1099                      |                           | 1099              |      |
|                              | (8)(9)     | 716-02.04                                               | PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING) | S.Y.                      | 431                       |                   | 431  |
|                              | (8)(9)(10) | 716-02.05                                               | PLASTIC PAVEMENT MARKING (STOP LINE)              | L.F.                      | 1952                      |                   | 1952 |
| (8)(9)                       | 716-02.06  | PLASTIC PAVEMENT MARKING (TURN LANE ARROW)              | EACH                                              | 78                        |                           | 78                |      |
| (8)(9)                       | 716-02.08  | PLASTIC PAVEMENT MARKING (8" DOTTED LINE)               | L.F.                                              |                           | 2186                      | 2186              |      |
| (8)(9)                       | 716-02.09  | PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)      | L.F.                                              | 3010                      |                           | 3010              |      |
| (8)(9)                       | 716-02.12  | PLASTIC PAVEMENT MARKING (8IN LINE)                     | L.M.                                              | 1.3                       |                           | 1.3               |      |
| (8)(9)                       | 716-03.01  | PLASTIC WORD PAVEMENT MARKING (ONLY)                    | EACH                                              | 6                         |                           | 6                 |      |
| (8)(9)                       | 716-03.09  | PLASTIC WORD PAVEMENT MARKING (YIELD AHEAD)             | EACH                                              | 1                         |                           | 1                 |      |
| (8)(9)                       | 716-03.10  | PLASTIC WORD PAVEMENT MARKING (BUS)                     | EACH                                              | 2                         |                           | 2                 |      |
| (8)(9)                       | 716-04.01  | PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)          | EACH                                              | 7                         |                           | 7                 |      |
| (8)(9)                       | 716-04.04  | PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER)          | L.F.                                              | 110                       |                           | 110               |      |
| (8)(9)                       | 716-04.05  | PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)               | EACH                                              | 12                        |                           | 12                |      |
| (8)(9)                       | 716-04.12  | PLASTIC PAVEMENT MARKING (YIELD LINE)                   | S.F.                                              |                           | 30                        | 30                |      |
| (8)(9)                       | 716-04.13  | PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)      | EACH                                              | 54                        |                           | 54                |      |
| (8)(9)                       | 716-04.15  | PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED       | EACH                                              | 10                        |                           | 10                |      |
| (11)                         | 716-05.20  | PAINTED PAVEMENT MARKING (6" LINE)                      | L.M.                                              | 14                        |                           | 14                |      |
|                              | 716-08.01  | REMOVAL OF PAVEMENT MARKING (LINE)                      | L.F.                                              | 1479                      |                           | 1479              |      |
|                              | 716-08.04  | REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)   | S.Y.                                              | 7                         |                           | 7                 |      |
|                              | (12)       | 716-09.83                                               | CONTRAST PAVEMENT MARKING 6"                      | L.F.                      | 845                       |                   | 845  |
| (13)                         | 716-09.97  | CONTRAST PAVEMENT SHADOW MARKING 6"                     | L.F.                                              | 634                       |                           | 634               |      |
| (9)                          | 716-12.02  | ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)          | L.M.                                              | 14                        |                           | 14                |      |
| (9)                          | 716-12.05  | ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)   | L.F.                                              | 585                       |                           | 585               |      |
|                              | 717-01     | MOBILIZATION                                            | LS                                                | 1                         |                           | 1                 |      |
| (14)                         | 730-14.02  | SAW SLOT                                                | L.F.                                              | 10627                     |                           | 10627             |      |
| (14)                         | 730-14.03  | LOOP WIRE                                               | L.F.                                              | 23554                     |                           | 23554             |      |

THERE ARE NO GUARDRIAL ADJUSTMENTS WITHIN THE PROJECT LIMITS

| FOOTNOTES |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1)       | INCLUDES 2 TONS FOR COUNTY ROADS , RAMPS AND CROSS OVERS                                                                                                                                                                                                                                                                                                                                                                    |
| (2)       | TO BE USED FOR SEALING OF ALL SURFACE LAYER CONSTRUCTION JOINTS ALONG THE TRAVEL LANES AND SHOULDERS AS DIRECTED BY THE ENGINEER. USE CRAFTCO PAVEMENT JOINT ADHESIVE #34524. PAVON JOINT ADHESIVE BY PAVON CORPORATION OR DENSO TAPE BY DENSO.                                                                                                                                                                             |
| (3)       | INCLUDES 99 TONS FOR COUNTY ROADS , RAMPS AND CROSS OVERS. INCLUDES 500 TONS FOR SPOT LEVELING.                                                                                                                                                                                                                                                                                                                             |
| (4)       | INCLUDES 98 TONS FOR COUNTY ROADS , RAMPS AND CROSS OVERS.                                                                                                                                                                                                                                                                                                                                                                  |
| (5)       | FOR THE ADJUSTMENT OF 3 AREA DRAINS                                                                                                                                                                                                                                                                                                                                                                                         |
| (6)       | 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.                                                                                                                                                                                                  |
| (7)       | THE CONTRACTOR IS RESPONSIBLE FOR THE STAKING OF CONSTRUCTION SIGNS. IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORARILY DESIGNATED NOT IN USE DURING THE CONSTRUCTION PHASE OF A PROJECT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING APPROVED BY THE ENGINEER. TEMPORARY SIGN COVERINGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-06 SIGNS (CONSTRUCTION) |
| (8)       | 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.                                                                                                                                                                                                                                                            |
| (9)       | ITEM TO BE USED AS PERMANENT MARKING ONLY                                                                                                                                                                                                                                                                                                                                                                                   |
| (10)      | ALL STOP BARS ON SIDE STREETS WILL BE RETRACED AS DIRECTED BY THE ENGINEER.                                                                                                                                                                                                                                                                                                                                                 |
| (11)      | ITEM TO BE USED AS TEMPORARY PAVEMENT MARKING ONLY.                                                                                                                                                                                                                                                                                                                                                                         |
| (12)      | FOR PERMANENT EDGE LINE MARKING ON CONCRETE SURFACES.                                                                                                                                                                                                                                                                                                                                                                       |
| (13)      | FOR PERMANENT LANE LINE MARKING ON CONCRETE SURFACES. ITEM COST INCLUDES 10 LF WHITE MARKING AND 10 LF BLACK MARKING.                                                                                                                                                                                                                                                                                                       |
| (14)      | SEE SIGNALIZATION TABULATION ON SHEET 2F.                                                                                                                                                                                                                                                                                                                                                                                   |

|        |      |                 |           |
|--------|------|-----------------|-----------|
| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
| RESURF | 2025 | NH/HSIP-254(14) | 2         |
|        |      |                 |           |
|        |      |                 |           |

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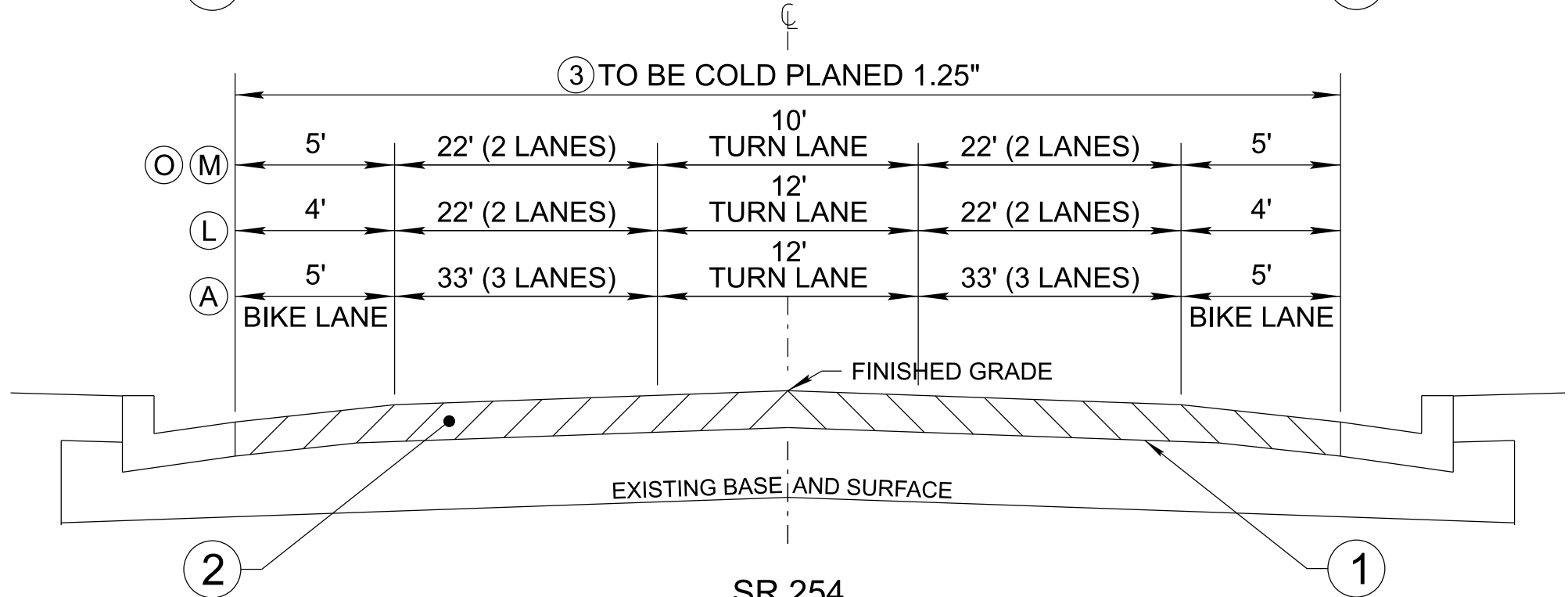
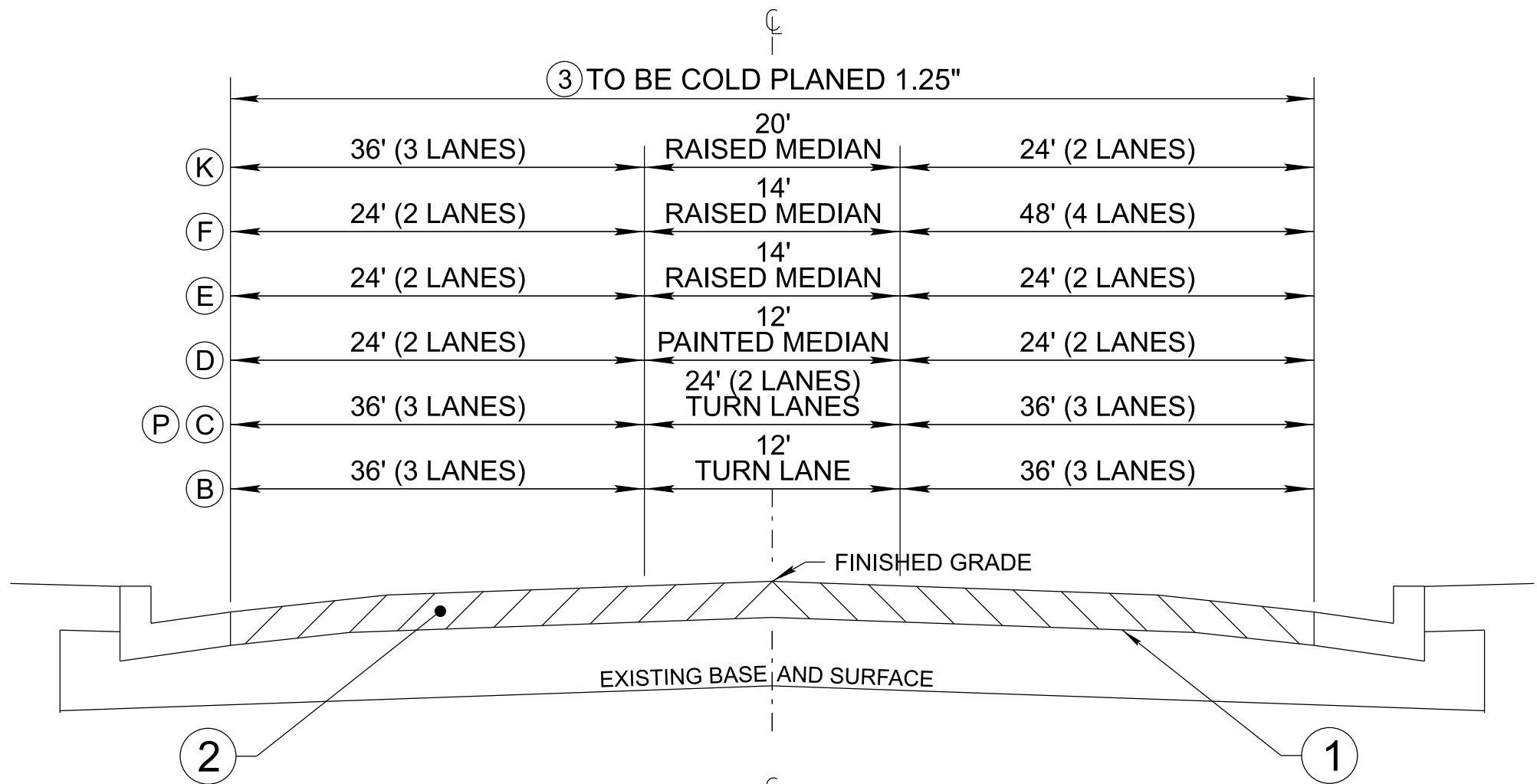
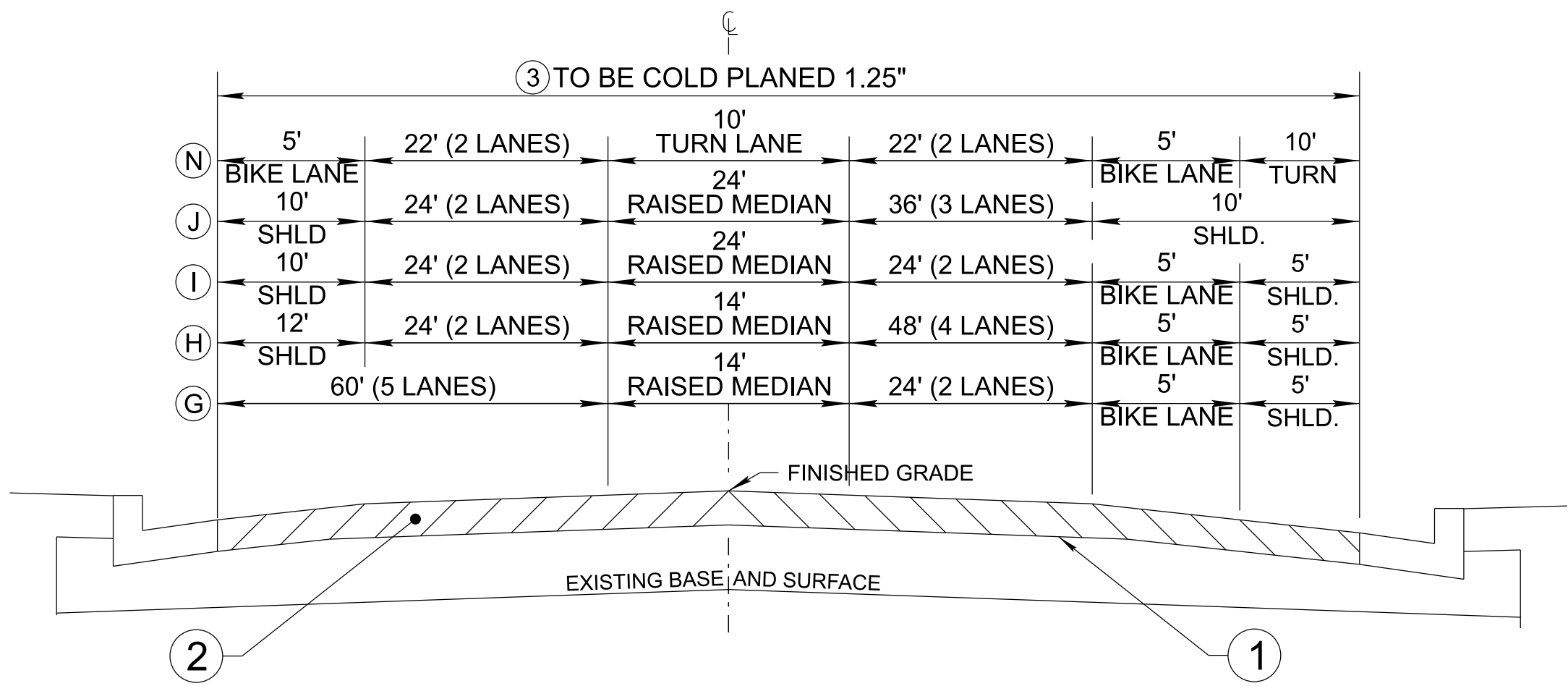
9/24/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

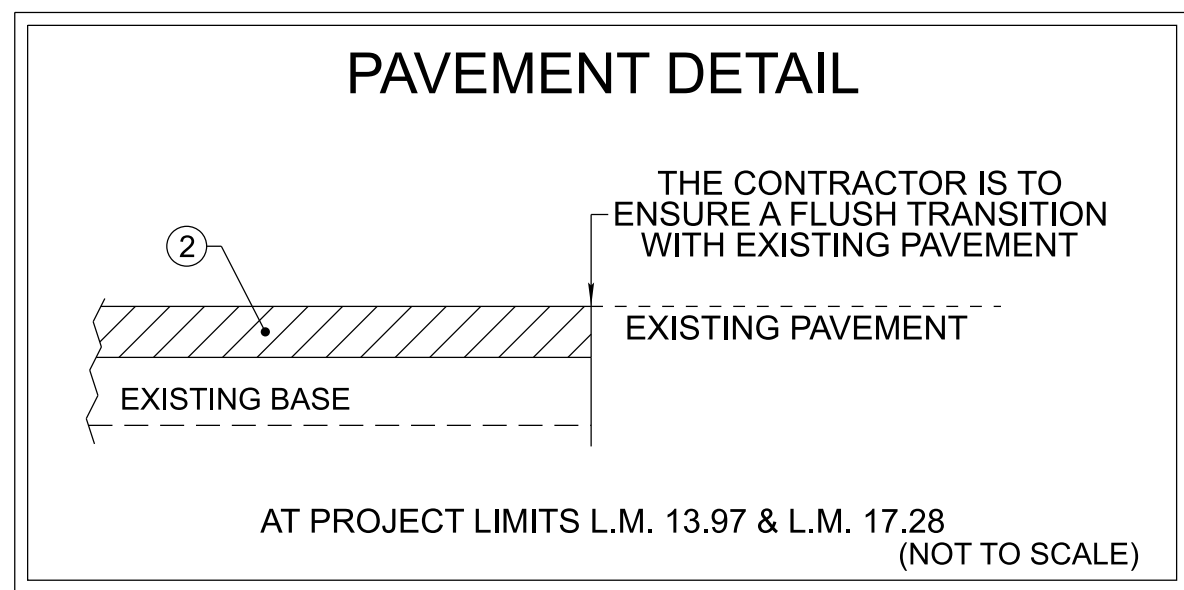
ESTIMATED  
ROADWAY  
QUANTITIES



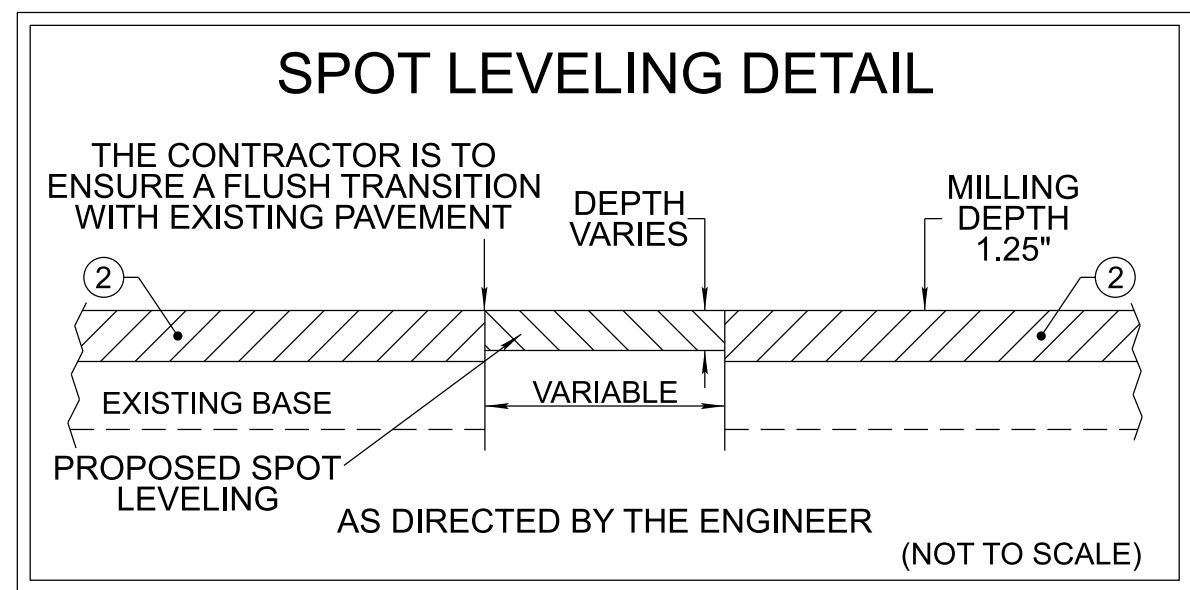
| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
|--------|------|-----------------|-----------|
| RESURF | 2025 | NH/HSIP-254(14) | 2B        |
|        |      |                 |           |
|        |      |                 |           |



- SR 254  
TYPICAL SECTIONS
- |                                    |                                    |
|------------------------------------|------------------------------------|
| (A) FROM: L.M. 13.97 TO L.M. 14.64 | (I) FROM: L.M. 15.21 TO L.M. 15.38 |
| (B) FROM: L.M. 14.64 TO L.M. 14.70 | (J) FROM: L.M. 15.38 TO L.M. 15.49 |
| (C) FROM: L.M. 14.70 TO L.M. 14.74 | (K) FROM: L.M. 15.49 TO L.M. 15.56 |
| (D) FROM: L.M. 14.74 TO L.M. 14.94 | (L) FROM: L.M. 15.56 TO L.M. 15.63 |
| (E) FROM: L.M. 14.94 TO L.M. 15.00 | (M) FROM: L.M. 15.63 TO L.M. 15.75 |
| (F) FROM: L.M. 15.00 TO L.M. 15.08 | (N) FROM: L.M. 15.75 TO L.M. 15.80 |
| (G) FROM: L.M. 15.08 TO L.M. 15.16 | (O) FROM: L.M. 15.80 TO L.M. 17.18 |
| (H) FROM: L.M. 15.16 TO L.M. 15.21 | (P) FROM: L.M. 17.18 TO L.M. 17.28 |



| PROPOSED PAVEMENT SCHEDULE                                                 |                                                                                                                |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| ① TACK COAT                                                                | ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)<br>SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD |
| ② ASPHALTIC CONCRETE SURFACE (HM) @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.) | ITEM 411-02.10 ACS MIX (PG70-22) GRADING "D"                                                                   |
| ③ COLD PLANING @ 1.25"± THICK (APPROX. 131.25 LBS./S.Y.)                   | ITEM 415-01.01 COLD PLANING BITUMINOUS PAVEMENT                                                                |



| SEALED BY                                          |
|----------------------------------------------------|
| <br>9/24/2025                                      |
| NOT TO SCALE                                       |
| STATE OF TENNESSEE<br>DEPARTMENT OF TRANSPORTATION |
| TYPICAL<br>SECTIONS AND<br>PAVEMENT<br>SCHEDULE    |



GENERAL NOTES

GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- (3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WITHOUT APPROVAL BY FEMA. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

MISCELLANEOUS

- (2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.
- (3) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

- (2) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20, PAINTED PAVEMENT MARKING (6" LINE), L.M.

FINAL PAVEMENT MARKING

- (8) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

- (19) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVING AND/OR COLD PLANING. REMOVE ALL ADHESIVES PRIOR TO PAVING. PATCH ANY HOLES OR DIVOTS RESULTING FROM THE REMOVAL OF A MARKER IN A MANNER WHICH ENSURES A UNIFORM PAVED SURFACE. PATCH WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.

PAVEMENT

PAVING

- (2) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.

RESURFACING

- (4) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (5) ALL PUBLIC SIDE ROADS SHALL BE PAVED ONE PAVER WIDTH THROUGH THE INTERSECTION AS A MINIMUM. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD OR BUSINESS ENTRANCE SHALL BE PROVIDED. SHOULD THE PAVEMENT OF THE INTERSECTING PUBLIC ROAD BE DISTRESSED, THE RESURFACING WIDTH MAY BE INCREASED TO THE NORMAL RIGHT OF WAY LINE.
- (6) PRIVATE DRIVEWAYS, FIELD ENTRANCES, AND BUSINESS ENTRANCES WILL BE RESURFACED A PAVER WIDTH (LANE WIDTH) AS A MINIMUM. A PAVEMENT TAPER TO TRANSITION THE NEW PAVEMENT SHALL BE REQUIRED, IT SHALL BE BASED ON AN ADDITIONAL ONE FOOT OF WIDTH PER ONE INCH DEPTH OF PAVEMENT. IF THE SHOULDER IS NARROW ENOUGH THAT THE SUM OF THE SHOULDER AND THE TRANSITION ARE LESS THAN A PAVER WIDTH, THE TRANSITION SHALL OCCUR WITHIN THE PAVER WIDTH. IF THE SUM OF THE SHOULDER AND THE TRANSITION IS GREATER THAN A PAVER WIDTH (LANE WIDTH), THE TRANSITION SHALL OCCUR OUTSIDE OF THE PAVER WIDTH.
- (7) ON CURB AND GUTTER SECTIONS, PUBLIC ROAD INTERSECTIONS SHALL BE RESURFACED TO THE END OF RADIUS. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD SHALL BE PROVIDED.
- (8) ON URBAN TYPICAL SECTIONS, (CURB AND GUTTER), RESIDENTIAL DRIVEWAYS AND BUSINESS ENTRANCES SHALL HAVE A MINIMUM WIDTH OF MATERIAL NOT LESS THAN ONE FOOT USED IN THE TRANSITION TO FEATHER THE PAVEMENT EDGE.
- (9) IN ALL CASES, THE LENGTH OF THE PAVEMENT TRANSITION, THE THICKNESS AND WIDTH OF THE RESURFACING AND ANY ADDITIONAL PAVEMENT MATERIALS SHALL BE AS DIRECTED BY THE TDOT ENGINEER.

SIGNING

- (12) ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION WILL BE RELOCATED OUTSIDE LIMITS OF CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL RESTORE THE SIGNS TO ORIGINAL LOCATION. THE CONTRACTOR SHALL CHECK WITH THE REGIONAL TRAFFIC ENGINEER PRIOR TO MOVING ANY PERMANENT SIGNS.

SIGNALIZATION

- (11) THE PROJECT ENGINEER SHALL NOTIFY THE LOCAL GOVERNMENTAL AGENCY RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AT LEAST ONE DAY IN ADVANCE OF THE COLD PLANING ACTIVITY AT SIGNALIZED INTERSECTIONS WHERE DETECTOR LOOPS ARE ON THE PAVEMENT. THE MAINTAINING AGENCY WILL THEN BE RESPONSIBLE FOR DISCONNECTING THE LOOP DETECTORS AND MAKING ANY NECESSARY TIMING ADJUSTMENTS IN THE SIGNAL CONTROLLER PRIOR TO THE CONSTRUCTION.
- (12) THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR SUPPLYING THE CONTRACTOR WITH AS BUILT SIGNAL PLANS AT THE PRE-CONSTRUCTION CONFERENCE. THESE PLANS WILL PROVIDE THE CONTRACTOR WITH THE DESIRED LOCATION FOR DETECTOR LOOP REPLACEMENT.
- (14) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (2) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (3) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
- (4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (5) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (7) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F.

|        |      |                 |           |
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

GENERAL  
NOTES



SPECIAL NOTES

PAVEMENT

RESURFACING

- (3)

SURFACE IS TO BE CROWNED AS DIRECTED BY THE ENGINEER.
- (4)

WHEN A PERFORMANCE GRADE (PG) ASPHALT MIX WITH PROPERTIES GREATER THAN THAT OF PG64-22 IS CALLED FOR ON RESURFACING PLANS AND IS THE ONLY ASPHALT GRADE ON THE PROJECT, THE CONTRACTOR HAS THE OPTION OF USING EITHER THE ASPHALT GRADE SHOWN IN THE PLANS OR AN ASPHALT GRADE EQUAL TO OR BETTER THAN PG64-22 FOR DRIVEWAYS AND BUSINESS ENTRANCES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE MATERIAL WILL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THE ASPHALT OR ASPHALT MIX. THE MATERIAL TICKETS SHALL BE MARKED “FOR DRIVEWAYS AND BUSINESS ENTRANCES ONLY” AT THE POINT OF MANUFACTURE.
- (6)

THE OUTSIDE SHOULDER WILL BE PAVED CONCURRENTLY WITH THE TRAFFIC LANE
- (8)

THE BITUMINOUS MATERIAL DESIGNATED TO RESTORE THE COLD PLANING AREA WILL BE PLACED WITHIN 96 HOURS OF THE COMMENCEMENT OF COLD PLANING OPERATIONS. COLD PLANING OPERATIONS WILL BE LIMITED TO AN AREA EQUAL TO THAT WHICH CAN BE COVERED WITH BITUMINOUS MATERIAL WITHIN THE TIME LIMITS SPECIFIED, EVEN IF COLD PLANING OPERATIONS MUST BE SUSPENDED UNTIL PAVING CATCHES UP.
- (10)

FEATHER SURFACE MIX TO ENDS OF BRIDGES THAT ARE NOT TO BE PAVED.

STORM DRAIN STRUCTURES

- (1)

TAPER AROUND ALL CATCH BASINS, AREA DRAINS, AND MANHOLES AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKING

- (1)

UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PAINTED MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-05.20.
- (2)

UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PLASTIC MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-12.02.

MISCELLANEOUS

- (4)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY SIGNS AND MAILBOXES DURING THE OPERATION. ANY SIGNS OR MAILBOXES DAMAGED AS A RESULT OF THE OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1)

THE CONTRACTOR SHALL KEEP TWO TRAFFIC LANES, ONE IN EACH DIRECTION, OPEN TO TRAFFIC DURING NON-WORK HOURS OR NON-WORK DAYS.

JOINT SEALANTS

- (1)

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.
- (2)

THE CONTACT SURFACE OF TRANSVERSE JOINTS AND LONGITUDINAL JOINTS IN ALL PAVEMENT LAYERS EXCEPT OGFC 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.
- (3)

PRIOR TO APPLICATION OF THE SEALANT, THE FACE OF THE JOINT SHALL BE THOROUGHLY DRY AND FREE FROM DUST OR ANY OTHER MATERIAL THAT WOULD PREVENT PROPER SEALING. ALL JOINTS SHALL BE SWEEPED OR BLOWN FREE OF LOOSE MATERIAL, DIRT, VEGETATION, AND OTHER DEBRIS BY MEANS OF COMPRESSED AIR OR A POWER SWEEPER.

- (4)

TRUCK AND VEHICLE TRAFFIC SHALL NOT DRIVE ACROSS A SEALED JOINT UNTIL IT HAS DRIED SUFFICIENT TO PREVENT DAMAGE FROM TRACKING.

CSXT SAFETY NOTES

- (1)

COMPLY WITH THE CONSTRUCTION SUBMISSION CRITERIA OF THE CSXT PUBLIC INFORMATION DOCUMENT AND CONSTRUCTION REQUIREMENTS OF THE PUBLIC PROJECTS MANUAL, WHICH IS AVAILABLE AT THE FOLLOWING URL: <https://www.csx.com/index.cfm/about-us/property/>
- (2)

ALL WORK IN THE FRA RED ZONE (WITHIN 4 FEET FROM OUTSIDE OF THE RAIL ON EACH SIDE OF THE TRACK) WILL BE DONE ONLY WITH A CSXT, FRA QUALIFIED FLAGMAN OR WATCHMAN AS SPECIFIED BY THE LOCAL ENGINEERING REPRESENTATIVE.
- (3)

ALL WORK BEYOND 4 FEET FROM THE OUTSIDE RAILS AND WITHIN 25 FEET MUST BE DONE UNDER THE SUPERVISION OF A QUALIFIED INSPECTOR OR CSXT FLAGMAN.
- (4)

CERTAIN TYPES OF WORK DONE BEYOND 25 FEET FROM THE OUTSIDE OF THE RAILS, AND WITH EQUIPMENT THAT WILL NOT REACH BEYOND THIS POINT, MAY BE DONE WITHOUT FLAGGING PROTECTION OR A WATCHMAN. THIS MUST BE APPROVED BY THE LOCAL ENGINEERING REPRESENTATIVE, THE AREA MUST BE PROTECTED BY A CONSTRUCTION FENCE, AND THE WORK MUST BE STATIONARY.
- (5)

ALL WORKERS WILL REMAIN OFF THE TRACKS. IF NECESSARY TO PERFORM THE WORK ON TRACK, PROTECTION WILL BE PROVIDED AS STATED ABOVE.
- (6)

ALL WORKERS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THOSE OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE FEDERAL RAILROAD ADMINISTRATION (FRA).
- (7)

AT LEAST THIRTY (30) DAYS ADVANCED NOTIFICATION MUST BE GIVEN TO THE RAILROAD REPRESENTATIVE, TO SCHEDULE A RAILROAD FLAGMAN.
- (8)

THE CONTRACTOR MAY NOT USE CSXT RIGHT-OF-WAY, FOR STORAGE OF MATERIALS OR EQUIPOMENT, WITHOUT PRIOR WRITTEN APPROVAL FROM CSXT.
- (9)

THE CONTRACTOR SHALL CONDUCT ITS WORK AT ALL TIMES, IN A MANNER WHICH WILL PROTECT CSXT'S PROPERTY AND TRACK FACILITIES FROM DAMAGE AND WITHOUT INTERRUPTION TO TRAIN OPERATIONS.
- (10)

PRIOR TO THE INSTALLATION OF ANY SIGNAGE WITHIN CSXT RIGHT-OF-WAY, CONTRACTORS MUST CONTACT THE RAILROAD'S REPRESENTATIVE FOR LOCATION OF ALL UNDERGROUND SIGNAL UTILITIES.
- (11)

ANY VIOLATION OF ANY CSXT RULES, REGULATIONS OR POLICIES, MAY RESULT IN REMOVAL OF CONTRACTOR PERSONNEL FROM THE RIGHT-OF-WAY.
- (12)

NO CRANE OR BOOM EQUIPMENT SHALL BE ALLOWED TO SET UP TO WORK OR PARK WITHIN BOOM DISTANCE PLUS 15 FEET OF THE CENTERLINE OF TRACK WITHOUT SPECIFIC PERMISSION FROM THE RAILROAD. NO CRANE OR BOOM EQUIPMENT SHALL BE ALLOWED TO FOUL TRACK, WORK WITHIN THE FOUL ZONE, OR LIFT A LOAD OVER THE TRACK WITHOUT FLAGGING PROTECTION AND PERMISSION FOR TRACK TIME FROM THE RAILROAD.
- (13)

ALL WORKMEN AND MACHINE OPERATORS SHALL STAY WITH THEIR MACHINES WHEN CRANE OR BOOM EQUIPMENT IS POINTED TOWARD THE TRACK. ALL CRANES AND BOOM EQUIPMENT SHALL STOP WORK AND CLEAR TRACK WHILE TRAIN IS PASSING. SWINGING LOADS SHALL BE SECURED TO PREVENT MOVEMENT WHILE TRAIN IS PASSING AND NO LOADS SHALL BE SUSPENDED ABOVE A MOVING TRAIN. ALL CRANES AND BOOM EQUIPMENT SHALL BE TURNED AWAY FROM THE TRACK AFTER EACH WORK DAY OR WHENEVER UNATTENDED BY AN OPERATOR.
- (14)

ALL WORK MUST BE STOPPED WHILE TRAINS ARE PASSING WITHIN THE WORK ZONE.

- (15)

“ONE CALL” SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) DAYS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE.
- (16)

ALL SOILS EXCAVATED WITHIN CSXT'S RAILROAD RIGHT-OF-WAY SHALL REMAIN ON CSXT'S RIGHT-OF-WAY. TESTING OF SOILS ON CSXT ROW IS PROHIBITED WITHOUT PRIOR WRITTEN CSXT AUTHORIZATION. ANY SOILS EXCAVATED ON CSXT ROW CAN BE REUSED ON THE ROW PROVIDED PLACING SOILS ALONG CSXT ROW POSES NO ADVERSE IMPACTS TO THE EXISTING TERRAIN, DRAINAGE OR ENVIRONMENT. SHOULD SOIL NEED TO BE REMOVED FROM CSXT ROW, THE CSXT ENVIRONMENTAL DEPARTMENT WILL SAMPLE THE SOIL FOR DISPOSITION. SOIL STAGED ON CSXT MUST FOLLOW CSXT PROTOCOL AND BE PROPERLY STORED AND/OR PROTECTED FROM THE ELEMENTS AND POTENTIAL EXPOSURE.

THE CONTRACTOR SHALL NOTIFY AND COORDINATE THEIR WORK WITH THE FOLLOWING CSXT REPRESENTATIVE:

CSXT GENERAL ENGINEERING CONSULTANT DESIGNATE  
CROUCH ENGINEERING, INC.

5115 MARYLAND WAY, SUITE 225  
BRENTWOOD, TN 37027  
ATTN: MR. SCOTT VICK, P.E. PROJECT DIRECTOR  
PHONE: (615) 791-0630  
EMAIL: SVICK@CROUCHENGINEERING.COM

| TYPE   | YEAR | PROJECT NO.    | SHEET NO. |
|--------|------|----------------|-----------|
| RESURF | 2025 | NH/HSP-254(14) | 2D        |
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SPECIAL  
NOTES



ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

- (4)THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.
- (9)THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

SPECIES

- (11)SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).
- (12)IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE TDOT SUPERVISOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

PERMITS, PLANS & RECORDS

- (15)IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ENGINEERING PRODUCTION SUPPORT DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

ENVIRONMENTAL

- (20)EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

- (1)STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

- (2)STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.
- (3)STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED WORK. THIS WILL PROVIDE THE OPPORTUNITY TO ENSURE THAT PERSONNEL INCLUDING THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS THAT MUST BE FOLLOWED.
- (4)ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

PROJECT COMMITMENTS

- (5)SEE PROJECT COMMITMENTS, SHEET 1B, FOR DETAILS RELATING TO SPECIAL ENVIRONMENTAL COMMITMENTS REQUIRED BY THIS PROJECT.

SCOPE OF WORK

- (6)THIS PROJECT INCLUDES MILL, 411D, STRIPING, AND TRAFFIC CONTROL.

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

DISTURBED AREA

- (1)IF DISTURBED ACREAGE IS EQUAL TO ONE ACRE OR MORE, PLEASE CONTACT TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION AS SOON AS POSSIBLE BECAUSE AN NPDES PERMIT WILL BE REQUIRED.

SEDIMENT CONTROL

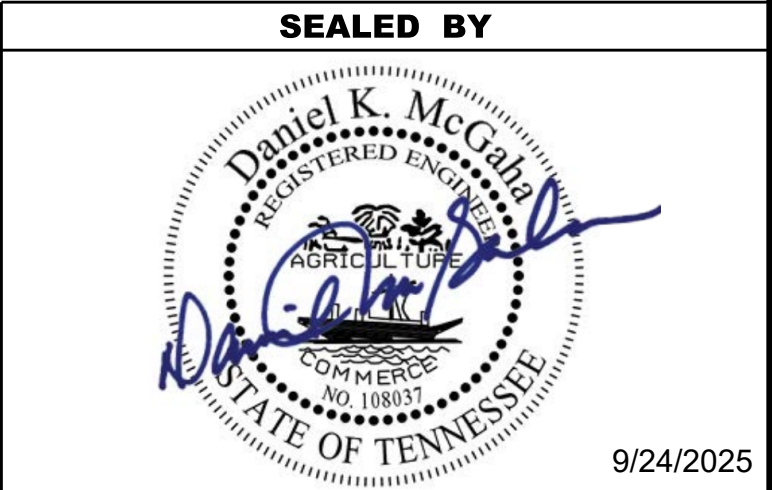
- (6)EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.
- (8)THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFFSITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. R.O.W., EASEMENTS, ETC.), INTO WATERS OF THE STATE/U.S., OR ONTO ROADWAYS USED BY THE GENERAL PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFFSITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE NEGOTIATED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

- (29)THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.
- (30)THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.
- (31)CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.
- (32)WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.
- (33)IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.
- (34)ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.

- (35)WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.
- (36)ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (37)ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
- (38)OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (39)DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.
- (40)WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

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| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
| RESURF | 2025 | NH/HSIP-254(14) | 2E        |
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL  
NOTES



ENVIRONMENTAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

SPILL PREVENTION, MANAGEMENT & NOTIFICATION

- (44) ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE AND SPILLS.
- (45) FOR ALL HAZARDOUS MATERIALS STORED ONSITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED. SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
- (46) APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ONSITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.
- (47) ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- (48) THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- (49) IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION SHALL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR SHALL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
- (50) FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED. ONCE APPLIED, FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.
- (51) IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.
- (52) WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, SEE THE LATEST TENNESSEE GENERAL PERMIT NO. TNR100000 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SECTION 5.1 FOR REPORTING REQUIREMENTS.
- (53) CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ONSITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE CONTAINERS WITH A COMBINED CAPACITY OF 1320 GALLONS OR MORE SHALL HAVE SECONDARY CONTAINMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN FOR THE BULK STORAGE AND BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ONSITE AND A COPY PROVIDED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO STORING 1320 GALLONS ON SITE.

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| RESURF | 2025 | NH/HSIP-254(14) | 2 E 1     |
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL  
NOTES



| TRAFFIC CONTROL SIGN TABULATION (RESURFACING) |                             |                                  |      |                             |                            |
|-----------------------------------------------|-----------------------------|----------------------------------|------|-----------------------------|----------------------------|
| M.U.T.C.D.<br>SIGN<br>NO.                     | LEGEND \ DESCRIPTION        | SIZE<br>IN INCHES<br>L    x    W | S.F. | TOTAL<br>NUMBER<br>REQUIRED | ITEM NO.<br>712-06<br>S.F. |
| G20-1                                         | ROAD WORK NEXT 3 MILES      | 48"   x   24"                    | 8    | 2                           | 16                         |
| G20-2                                         | END ROAD WORK               | 48"   x   24"                    | 8    | 30                          | 240                        |
| W4-2L                                         | LEFT LANE ENDS SYMBOL       | 48"   x   48"                    | 16   | 4                           | 64                         |
| W4-2R                                         | RIGHT LANE ENDS SYMBOL      | 48"   x   48"                    | 16   | 4                           | 64                         |
| W8-11                                         | UNEVEN LANES                | 48"   x   48"                    | 16   | 18                          | 288                        |
| W8-15                                         | GROOVED PAVEMENT            | 48"   x   48"                    | 16   | 18                          | 288                        |
| W8-15P                                        | MOTORCYCLE PLAQUE           | 30"   x   24"                    | 5    | 18                          | 90                         |
| W13-1P                                        | ADVISORY SPEED PLAQUE       | 24"   x   24"                    | 4    | 18                          | 72                         |
| W20-1                                         | ROAD WORK AHEAD             | 48"   x   48"                    | 16   | 28                          | 448                        |
| W20-1                                         | ROAD WORK 1 MILE            | 48"   x   48"                    | 16   | 2                           | 32                         |
| W20-1                                         | ROAD WORK 1/2 MILE          | 48"   x   48"                    | 16   | 2                           | 32                         |
| W20-1                                         | ROAD WORK 1000 FEET         | 48"   x   48"                    | 16   | 2                           | 32                         |
| W20-1                                         | ROAD WORK 500 FEET          | 48"   x   48"                    | 16   | 2                           | 32                         |
| W20-5L                                        | LEFT LANE CLOSED 1/2 MILE   | 48"   x   48"                    | 16   | 4                           | 64                         |
| W20-5L                                        | LEFT LANE CLOSED 1500 FEET  | 48"   x   48"                    | 16   | 4                           | 64                         |
| W20-5R                                        | RIGHT LANE CLOSED 1/2 MILE  | 48"   x   48"                    | 16   | 4                           | 64                         |
| W20-5R                                        | RIGHT LANE CLOSED 1500 FEET | 48"   x   48"                    | 16   | 4                           | 64                         |
| W21-2                                         | FRESH OIL                   | 48"   x   48"                    | 16   | 4                           | 64                         |
| W21-5                                         | SHOULDER WORK               | 48"   x   48"                    | 16   | 4                           | 64                         |
| TOTAL                                         |                             |                                  |      | 2082                        |                            |

| BRIDGE DECK RECOMMENDATIONS (RESURFACING) |                      |                       |                  |                                                                                        |
|-------------------------------------------|----------------------|-----------------------|------------------|----------------------------------------------------------------------------------------|
| BRIDGE<br>NUMBER                          | LOCATION<br>LOG MILE | CROSSES<br>OVER/UNDER | BRIDGE<br>LENGTH | BRIDGE DECK<br>RECOMMENDATIONS                                                         |
| 19S61580005                               | 14.110               | MILL CREEK            | 192.5'           | PROVIDE DECK REPAIR ITEM- SEAL WITH TYPE 1 THIN EPOXY OVERLAY (BRIDGE SHEETS INCLUDED) |
| 19S61580007                               | 14.810               | COLLINS CREEK         | 58'              | COLD PLANE 1-1/4" OF THE EXISTING ASPHALT AND REPLACE WITH 1-1/4" OF NEW ASPHALT.      |
| 19I00240041                               | 14.830               | I-24 UNDERPASS        |                  |                                                                                        |
| 19SR2540001                               | 14.940               | I-24 UNDERPASS        |                  |                                                                                        |

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| TYPE   | YEAR | PROJECT NO.     | SHEET<br>NO. |
| RESURF | 2025 | NH/HSIP-254(14) | 2F           |
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| SIGNALIZATION TABULATION(RESURFACING) |                                 |                                  |
|---------------------------------------|---------------------------------|----------------------------------|
| INTERSECTION                          | SAW SLOT<br>(L.F.)<br>730-14.02 | LOOP WIRE<br>(L.F.)<br>730-14.03 |
| SR-254 @ HICKORY PARK DR.             | 802                             | 1804                             |
| SR-254 @ CANE RIDGE RD.               | 802                             | 1804                             |
| SR-254 @ RAMP FROM I-24 EB LNS        | 635                             | 1370                             |
| SR-254 @ RAMP TO I-24 WB LNS          | 635                             | 1370                             |
| SR-254 @ COLLINS PARK DR.             | 635                             | 1370                             |
| SR-254 @ HICKORY HOLLOW PKWY.         | 1253                            | 2906                             |
| SR-254 @ HICKORY HOLLOW LN            | 1036                            | 2272                             |
| SR-254 @ MT. VIEW RD.                 | 919                             | 2038                             |
| SR-254 @ BELL FORGE LN. E.            | 752                             | 1604                             |
| SR-254 @ EAGLE VIEW BLVD.             | 752                             | 1604                             |
| SR-254 @ ZELIDA AVE.                  | 802                             | 1804                             |
| SR-254 @ MORRIS GENTRY BLVD.          | 802                             | 1804                             |
| SR-254 @ MURFREESBORO PK.             | 802                             | 1804                             |
| TOTALS                                | 10627                           | 23554                            |

| UTILITY ADJUSTMENTS (RESURFACING) |       |        |
|-----------------------------------|-------|--------|
| TYPE                              | OWNER | NUMBER |
| Sewer Manhole                     | METRO | 18     |
| Telephone Manhole                 | AT&T  | 5      |
| Gas Valves                        | METRO | 6      |
| Water Valves                      | METRO | 6      |

| STORM DRAIN<br>ADJUSTMENTS<br>(RESURFACING) |          |
|---------------------------------------------|----------|
| CATCH BASINS                                | MANHOLES |
| 3                                           |          |
| TOTALS                                      |          |
| 3                                           |          |

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TABULATED  
QUANTITIES





STATE ROUTE 254  
13.97 - 14.00 LM  
DAVIDSON COUNTY

REFERENCE STANDARD DRAWING  
T-M-4

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| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
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| RESURF | 2026 | NH/HSIP-254(14) | 2G        |
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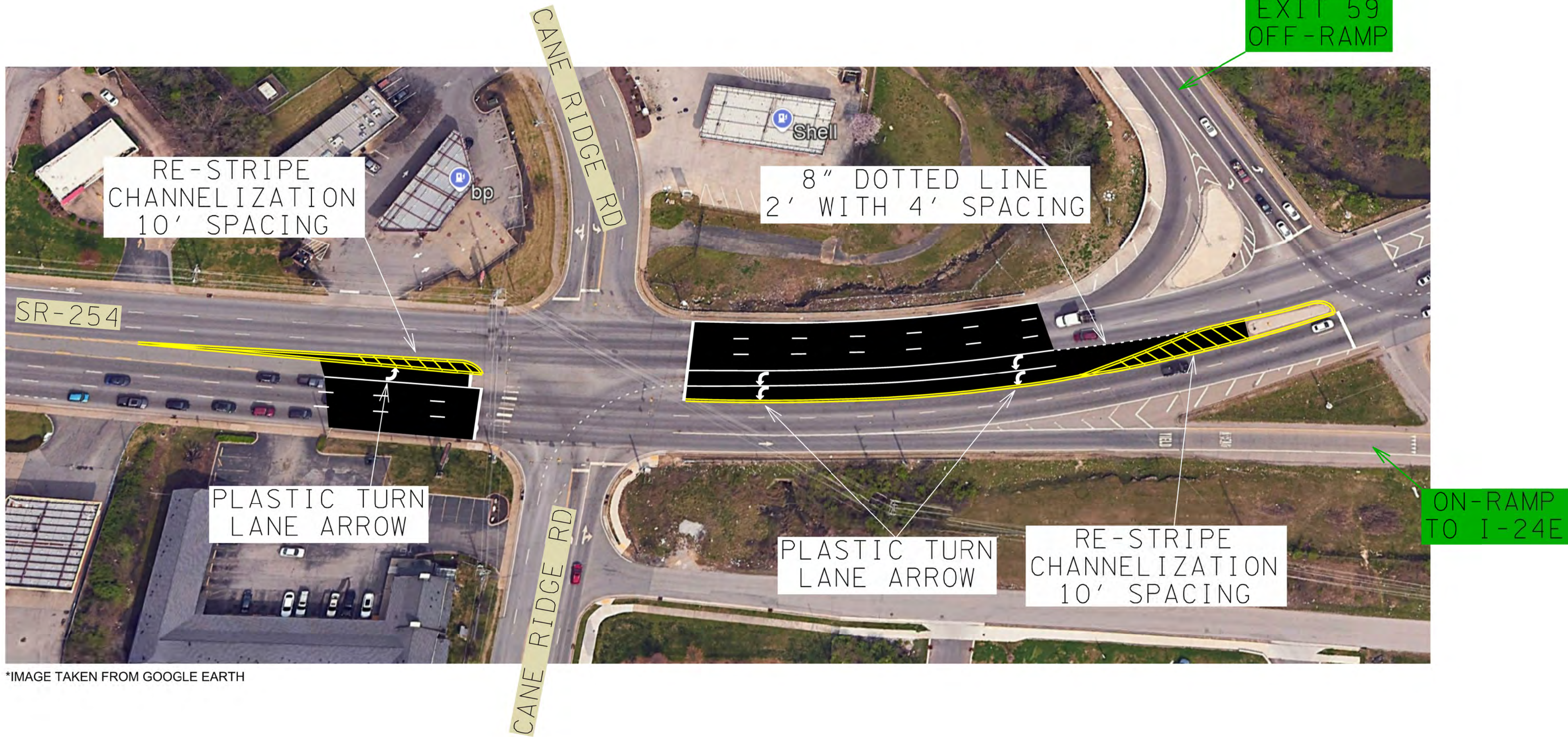
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\*IMAGE TAKEN FROM GOOGLE EARTH

STATE ROUTE 254  
14.64 - 14.81 LM  
DAVIDSON COUNTY

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| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
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| RESURF | 2026 | NH/HSIP-254(14) | 2G1       |
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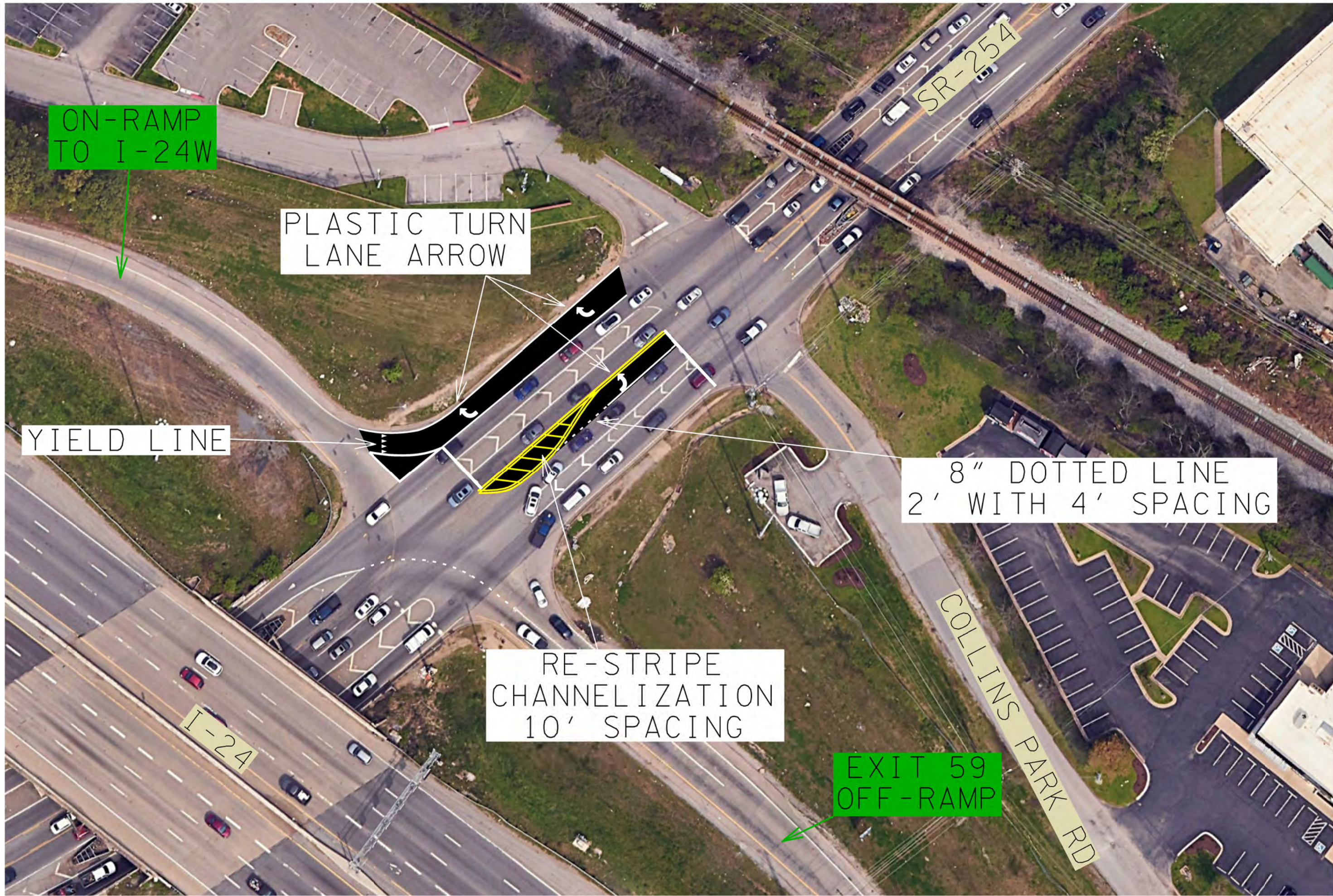
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\*IMAGE TAKEN FROM GOOGLE EARTH

STATE ROUTE 254  
14.88 - 14.93 LM  
DAVIDSON COUNTY

REFERENCE STANDARD DRAWING  
T-M-3, T-M-4

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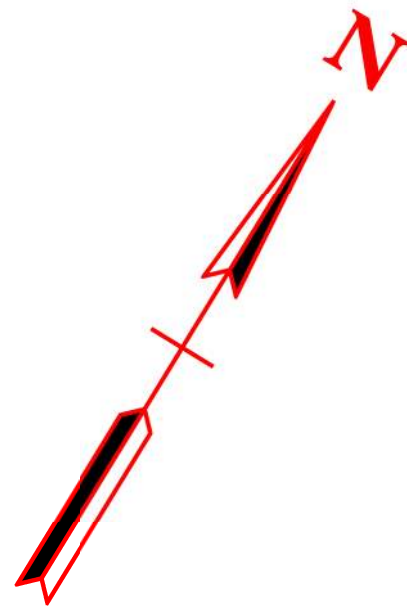
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\*IMAGE TAKEN FROM GOOGLE EARTH

STATE ROUTE 254  
15.00 - 15.07 LM  
DAVIDSON COUNTY

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| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
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| RESURF | 2026 | NH/HSIP-254(14) | 2G3       |
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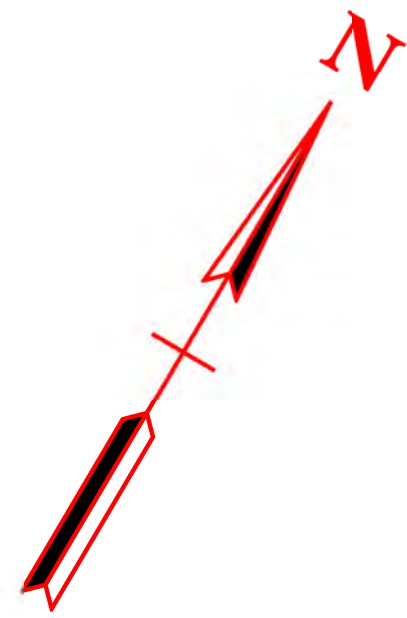
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STATE ROUTE 254  
15.10 - 15.22 LM  
DAVIDSON COUNTY

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| RESURF | 2026 | NH/HSIP-254(14) | 2G5       |
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STATE ROUTE 254  
15.24 - 15.48 LM  
DAVIDSON COUNTY

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STATE ROUTE 254  
15.53 - 15.69 LM  
DAVIDSON COUNTY

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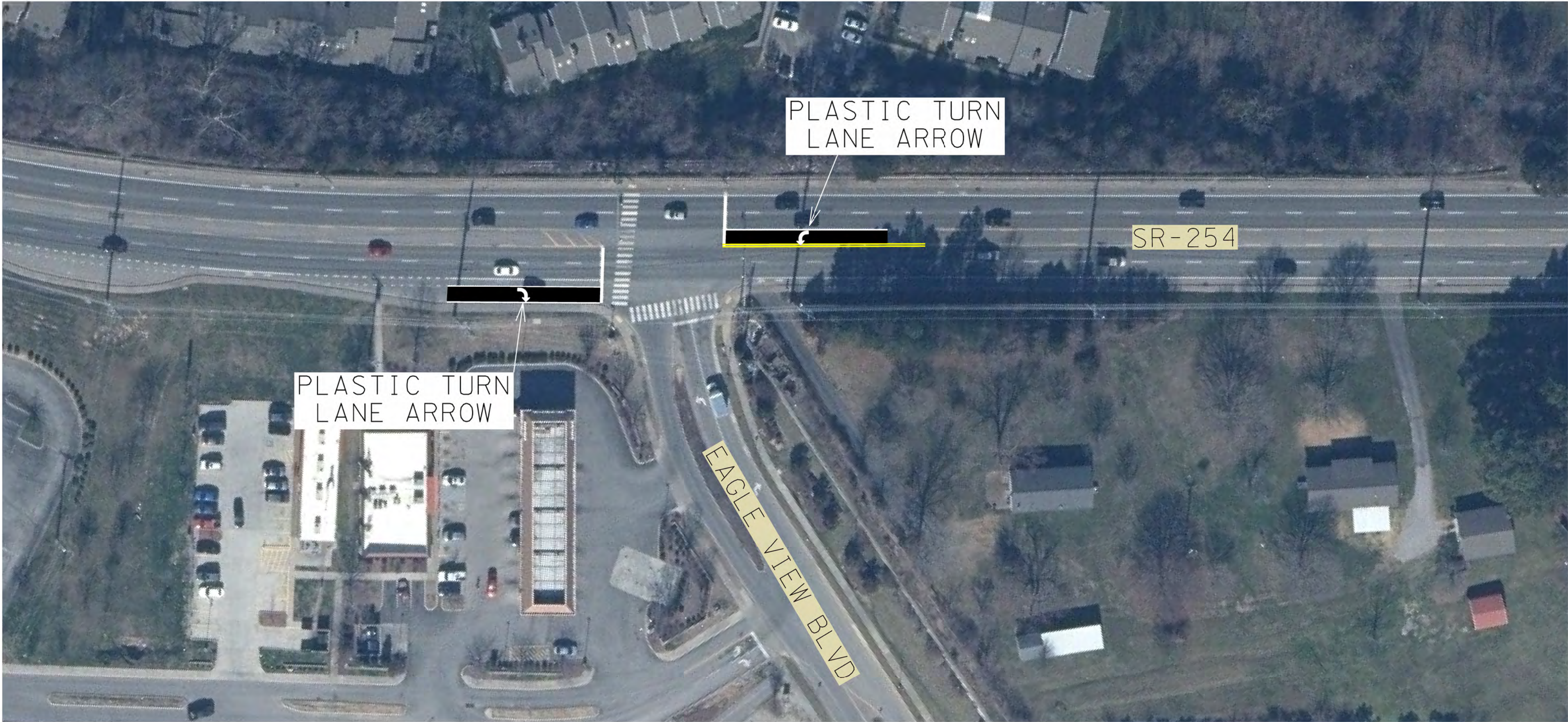
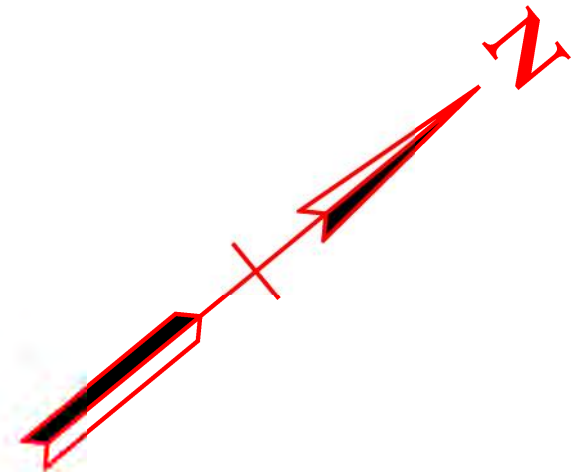
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STATE ROUTE 254  
15.75 - 15.83 LM  
DAVIDSON COUNTY

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| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
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STATE ROUTE 254  
15.98 - 16.10 LM  
DAVIDSON COUNTY

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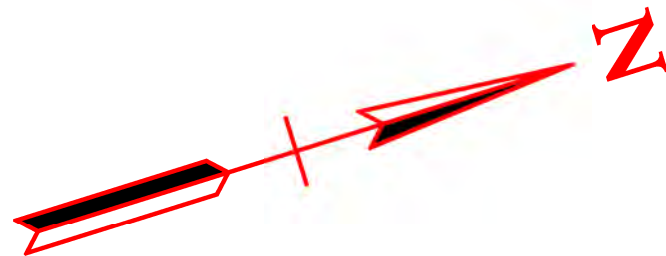
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STATE ROUTE 254  
17.17 - 17.28 LM  
DAVIDSON COUNTY

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STATE OF TENNESSEE  
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MARKING  
IMPROVEMENTS

NOT TO SCALE



UTILITY NOTES

- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

UTILITY OWNERS

**TELEPHONE & FIBER:**  
AT&T  
116 SOUTH CANNON AVE  
MURFREESBORO, TN 37129  
CONTACT: LEE KORNEGAY  
OFFICE PHONE: 615 848 2082  
Email: KK4096@ATT.COM

**GAS:**  
PIEDMONT GAS  
83 CENTURY BOULEVARD  
NASHVILLE, TN 37214  
CONTACT: NATE MILLER  
OFFICE PHONE: 615 872 2457  
Email: NATHANIEL.MILLER2@DUKE-ENERGY.COM

**GAS:**  
TC ENERGY (FORMERLY COLUMBIA GULF TRANS.)  
4715 TRADERS WAY, SUITE 100  
THOMPSON STATION, TN 37179  
CONTACT: DAVID MICHAEL  
OFFICE PHONE: 615 465 5109  
Email: DAVID\_MICHAEL@TCENERGY.COM

**FIBER OPTIC:**  
ZAYO GROUP  
4701 W HILLSBOROUGH AVE  
TAMPA, FL 33614  
CONTACT: JAKE SANSOM  
CELL PHONE: 813 763 5999  
Email: JAKE.SANSOM@ZAYO.COM  
ZAYO.RELO.TENNESSEE@ZAYO.COM

**FIBER OPTIC:**  
XO COMMUNICATIONS (VERIZON)  
575 HICKORY HILLS BLVD  
WHITES CREEK, TN 37189  
CONTACT: DEREK DEE  
OFFICE PHONE: 615 777 7727  
CELL PHONE: 615 207 1297  
Email: DEREK.R.DEE@VERIZON.COM

**TELEPHONE & FIBER:**  
UNITED COMMUNICATIONS  
120 TAYLOR ST  
CHAPEL HILL, TN 37034  
CONTACT: JONATHAN KNIGHT  
CELL PHONE: 704 242 4172  
Email: JON.KNIGHT@GOUNITED.NET

**GAS:**  
PIEDMONT GAS  
83 CENTURY BOULEVARD  
NASHVILLE, TN 37214  
CONTACT: SCOTT HAZZARD  
CELL PHONE: 615 714 2389  
Email: SCOTTY.HAZZARD@DUKE-ENERGY.COM  
NGBU.TN.RELOCATIONS@DUKE-ENERGY.COM

**FIBER OPTIC:**  
LUMEN (FORMERLY CENTURYLINK & LEVEL 3 COMMUNICATIONS)  
520 WHALEY ST  
COLUMBIA, SC 29201  
CONTACT: JOHN BOEDEKER  
CELL PHONE: 512 334 8351  
Email: JOHN.BOEDEKER@LUMEN.COM

**FIBER OPTIC:**  
ZAYO GROUP  
2030 POWERS FERRY RD SE, SUITE 306  
ATLANTA, GA 30339  
CONTACT: JAMYE DEBARDELEBEN  
CELL PHONE: 678 755 7281  
Email: JAMYE.DEBARDELEBEN@ZAYO.COM

**FIBER OPTIC:**  
CROWN CASTLE  
6325 ARDREY KELL RD, SUITE 600  
CHARLOTTE, NC 28277  
CONTACT: JOE BALUHA  
OFFICE PHONE: 336 562 7304  
CELL PHONE: 585 255 0008  
Email: JOE.BALUHA@CROWNCASTLE.COM

**WATER & SEWER:**  
METRO WATER & SEWER  
1600 SECOND AVE NORTH  
NASHVILLE, TN 37208  
CONTACT: PAISLEY MAROTTA-MATHEWS  
OFFICE PHONE: 615 862 4142  
Email: PAISLEY.MAROTTA@NASHVILLE.GOV

**ELECTRIC:**  
NASHVILLE ELECTRIC SERVICE  
1214 CHURCH STREET, ROOM 363  
NASHVILLE, TN 37246  
CONTACT: JON SIPES  
OFFICE PHONE: 615 747 3529  
Email: JSIPES@NESPOWER.COM  
UTILITYRELOCATIONS@NESPOWER.COM

**FIBER OPTIC:**  
LUMEN (FORMERLY CENTURYLINK & LEVEL 3 COMMUNICATIONS)  
2530 PERIMETER PLACE DR  
NASHVILLE, TN 37214  
CONTACT: JEFFREY CANNON  
OFFICE PHONE: 615 263 1128  
Email: JEFFREY.CANNON@LUMEN.COM

**FIBER OPTIC:**  
WINDSTREAM COMMUNICATIONS  
658 TREE FARM ROAD  
LINDEN, TN 37096  
CONTACT: TOMMY RAYFIELD  
OFFICE PHONE: 812 253 1587  
Email: TOMMY.RAYFIELD@WINDSTREAM.COM

**FIBER OPTIC:**  
CROWN CASTLE  
370 MALLORY STATION RD, SUITE 505  
FRANKLIN, TN 37067  
CONTACT: DREW PARKER  
OFFICE PHONE: 630 480 5177  
Email: DREW.PARKER@CROWNCASTLE.COM

**WATER & SEWER:**  
METRO WATER & SEWER  
1600 SECOND AVE NORTH  
NASHVILLE, TN 37208  
CONTACT: KECIA CAIN  
OFFICE PHONE: 615 862 4801  
Email: KECIA.CAIN@NASHVILLE.GOV

**CABLE:**  
COMCAST  
360 MAINSTREAM DR  
NASHVILLE, TN 37228  
CONTACT: KATELYN GROSS  
CELL PHONE: 615 961 2453  
Email: KATELYN\_GROSS@COMCAST.COM  
NAS-NASHVILLECONSTRUCTIONBETTERMENTS@COMCAST.COM

**FIBER OPTIC:**  
STREETLIGHTS & FIBER  
  
NASHVILLE DEPT. OF TRANSPORTATION (NDOT)  
720 SOUTH FIFTH STREET  
CONTACT: MIKE HIRTZER  
OFFICE PHONE: 615 880 3261  
Email: MICHAEL.HIRTZER@NASHVILLE.GOV

**FIBER OPTIC:**  
XO COMMUNICATIONS (VERIZON)  
575 HICKORY HILLS BLVD  
WHITES CREEK, TN 37189  
CONTACT: MICHAEL WEAVER  
CELL PHONE: 615 218 0656  
Email: MICHAEL.WEAVER@VERIZON.COM

| TYPE   | YEAR | PROJECT NO.     | SHEET NO. |
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| RESURF | 2025 | NH/HSIP-254(14) | 3         |
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9/24/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

UTILITY NOTES  
AND  
UTILITY OWNERS



PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

a.

WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

b.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

c.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

d.

WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.
2.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

a.

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

(1)

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

(2)

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

b.

IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

c.

WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE REGIONAL TRAFFIC ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

3.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

a.

THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

(1)

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

(2)

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.
- IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.
- b.

THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

c.

THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

d.

THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.
- FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.
4.

FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.
- IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.
- B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:
1.

IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

a.

WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

2.

IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

a.

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

(1)

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

(2)

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

3.

IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

a.

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

(1)

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

(2)

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

b.

ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

C. IF THE DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE:

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1.

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2.

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

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9/24/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE  
DROP-OFF NOTES  
FOR  
TRAFFIC CONTROL

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INDEX OF DRAWINGS

DWG. NO.

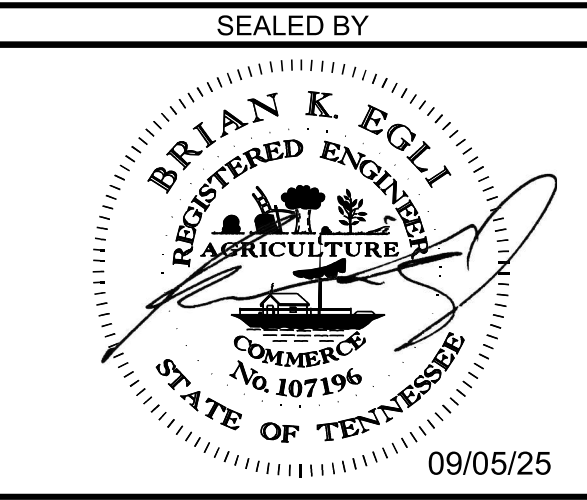
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REV. DATE

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| AT THE BRIDGE ENDS           | M-219-44 |



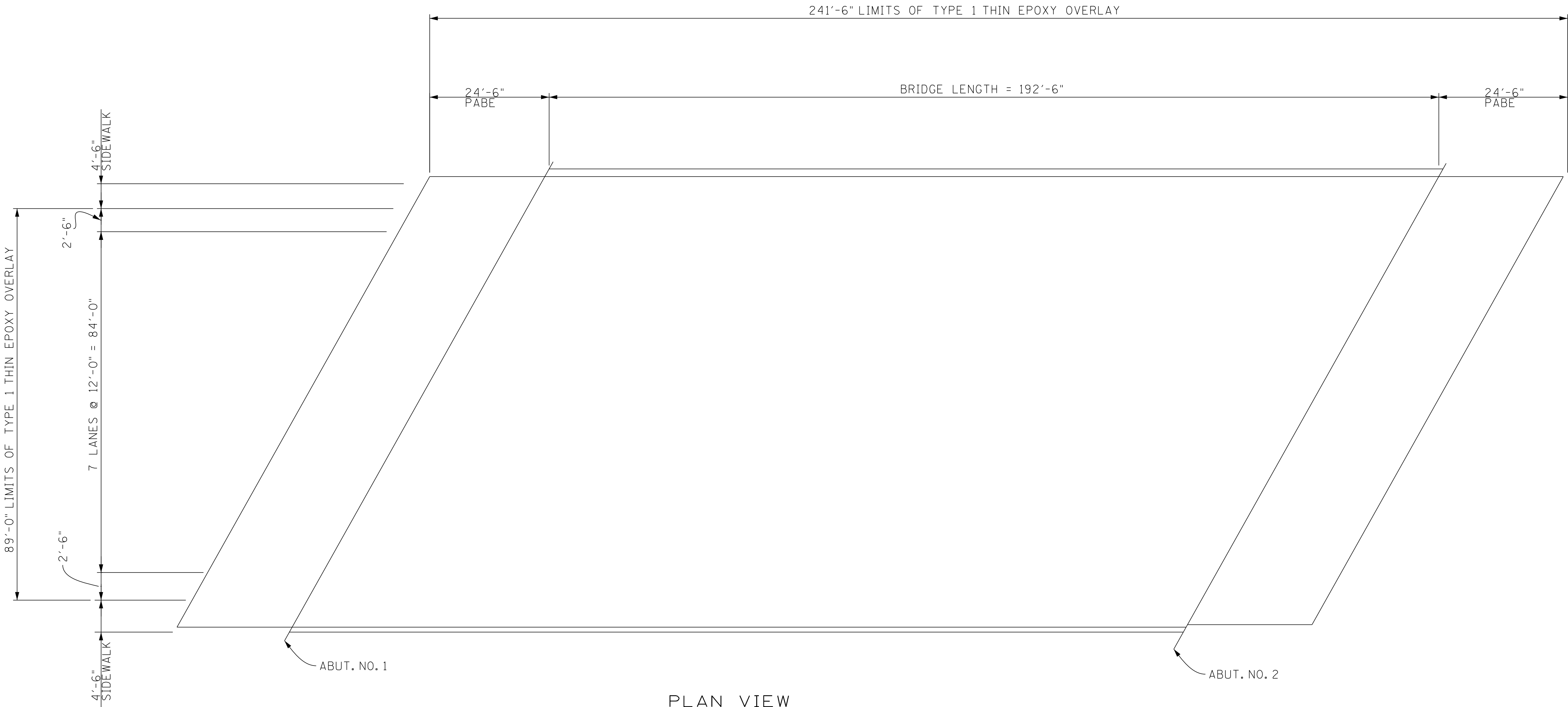
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MILL CREEK  
DAVIDSON COUNTY  
2025



| TABULATION OF BRIDGE RELATED WORK AND ESTIMATED QUANTITIES |                                                         |                           |                                                              |
|------------------------------------------------------------|---------------------------------------------------------|---------------------------|--------------------------------------------------------------|
| LOCATION OF BRIDGE AND BRIDGE NUMBER                       | REFERENCE DRAWINGS TO BE PRINTED WITH CONTRACT DRAWINGS | TYPE OF WORK              | 617-04.01<br>TYPE 1 THIN EPOXY OVERLAY (EPOXY-URETHANE) S.Y. |
| 19-SR254-14.11<br>OVER<br>MILL CREEK<br>(19S61580005)      | M-219-31<br>M-219-34<br>M-219-44                        | TYPE 1 THIN EPOXY OVERLAY | 2381                                                         |
| TOTAL                                                      |                                                         |                           | 2381                                                         |

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PLAN VIEW  
19-SR254-14.11

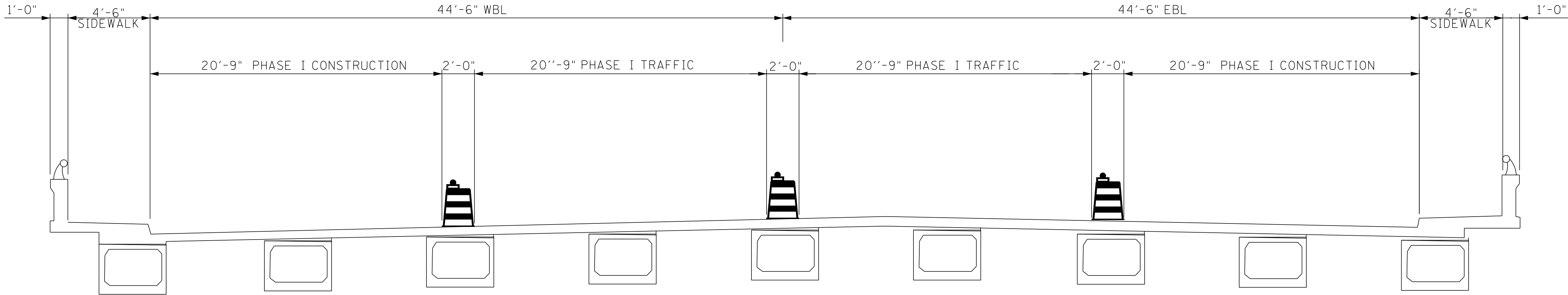
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DESIGN BY: SILESHI ERGICHO  
DRAWN BY: KEVIN MARTINKO  
SUPERVISED BY: KEVIN MARTINKO  
CHECKED BY:

DATE: / /  
DATE: 06/25  
DATE: 06/25  
DATE: / /

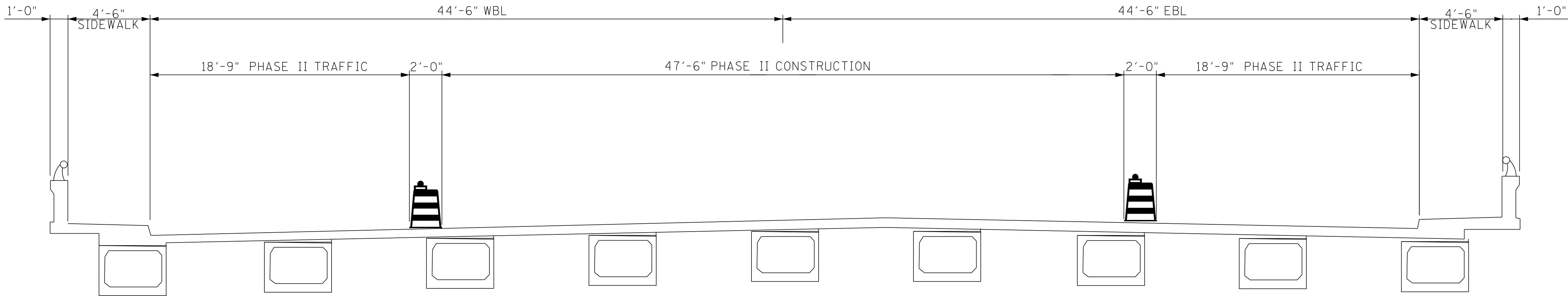
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BRIDGE TABULATION,  
ESTIMATED QUANTITIES  
AND PLAN VIEW  
REPAIRS LOCATION  
19-SR254-14.11 OVER  
MILL CREEK  
DAVIDSON COUNTY  
2025



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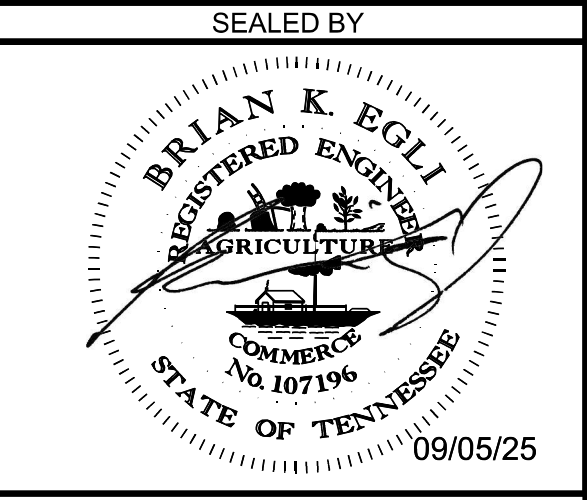
(LOOKING AHEAD ON THE SURVEY)  
PHASE I CONSTRUCTION



(LOOKING AHEAD ON THE SURVEY)  
PHASE II CONSTRUCTION

PIN NO.: 131245.00  
DESIGN BY: SILESHI ERGICHO  
DRAWN BY: KEVIN MARTINKO  
SUPERVISED BY: KEVIN MARTINKO  
CHECKED BY: DATE: 06/25  
DATE: 06/25  
DATE: 06/25  
DATE: 06/25

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
PHASE CONSTRUCTION  
19-SR254-14.11 OVER  
MILL CREEK  
DAVIDSON COUNTY  
2025





\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$GNSPEC\$\$\$\$\$

|                |                 |             |
|----------------|-----------------|-------------|
| PIN NO.:       | 131245.00       |             |
| DESIGN BY:     |                 | DATE: / /   |
| DRAWN BY:      | SILESHI ERGICHO | DATE: 06/25 |
| SUPERVISED BY: | KEVIN MARTINKO  | DATE: 06/25 |
| CHECKED BY:    |                 | DATE: / /   |

TYPE 1 THIN EPOXY OVERLAY NOTES :

TYPE 1 THIN EPOXY OVERLAY SYSTEM - USE DECK PRETREATMENT/PRIMER PER MANUFACTURER'S RECOMMENDATION, AND 2 LIFTS OF AN EPOXY-URETHANE COPOLYMER AND AGGREGATE. TYPE 1 OVERLAY SHALL BE APPLIED MECHANICALLY USING METERED EQUIPMENT; HAND MIXING OF MATERIAL IS NOT PERMITTED.

THIN OVERLAY SYSTEM SHALL BE FROM THE QUALIFIED PRODUCTS LIST 23.005 TYPE 1 THIN OVERLAY (EPOXY URETHANE). MINIMUM OVERLAY THICKNESS SHALL BE 3/8 INCH.

APPLICATION EQUIPMENT SHOULD :

A) BE CAPABLE OF METERING, MIXING AND DISTRIBUTING THE POLYMER AND PRETREATMENT TO MANUFACTURER'S RECOMMENDATION.

B) USE AN APPLICATION MACHINE THAT FEATURES POSITIVE DISPLACEMENT VOLUMETRIC METERING PUMPS CONTROLLED BY A HYDRAULIC POWER UNIT.

C) STORE COMPONENTS IN TEMPERATURE CONTROLLED RESERVOIRS CAPABLE OF MAINTAINING 100 DEGREES FAHRENHEIT (PLUS OR MINUS 10 DEGREES) TO INSURE OPTIMAL MIXING.

D) CHECK MIXING RATIO AT THE PUMP OUTLETS AS WELL AS CYCLE COUNTING CAPABILITIES TO MONITOR OUTPUT ON STANDARD FEATURES.

E) USE MOTIONLESS IN-LINE MIXING SO AS TO NOT OVERLY SHEAR THE MATERIAL TO ENTRAP AIR IN THE MIX.

F) MAXIMIZE MATERIAL WORKING TIME BY MIXING IT IMMEDIATELY BEFORE DISPENSING.

AGGREGATE SHALL BE ANGULAR, HAVING LESS THAN 0.2% MOISTURE AND FREE OF DIRT, CLAY, ASPHALT AND OTHER FOREIGN OR ORGANIC MATERIALS. AGGREGATE FOR ALL LAYERS SHALL BE BAUXITE OR FLINT ROCK PRODUCTS FLINT AND MEETS THE FOLLOWING GRADATION:

| SIEVE SIZE | % PASSING |
|------------|-----------|
| NO. 6      | 95-100    |
| NO. 10     | 10-35     |
| NO. 20     | 0-3       |

FULL AND PARTIAL DEPTH DECK REPAIR SHALL CURE A MINIMUM OF 28 DAYS BEFORE THE OVERLAY IS PLACED. THE 28 DAYS MAY BE WAIVED IF THE OVERLAY MANUFACTURER PROVIDES A METHOD OF TESTING THE REPAIRED AREAS AND APPROVES THE PLACEMENT BY LETTER. TRAFFIC SHALL BE ALLOWED TO USE THE BRIDGE DURING THE CURING PERIOD OF THE PATCHES BUT NOT AFTER SHOTBLASTING. MAGNESIUM PHOSPHATE BASED MATERIALS WILL NOT BE ALLOWED.

THE CONCRETE DECK SURFACE SHALL BE CLEANED BY SHOTBLASTING TO REMOVE ANY OIL, DIRT, RUBBER, TRAFFIC STRIPING, OR ANY OTHER POTENTIAL DETRIMENTAL MATERIAL SUCH AS CURING COMPOUND AND LAITANCES, WHICH THE MANUFACTURER AND ENGINEER'S OPINION WOULD PREVENT PROPER BONDING AND CURING OF THE MATERIAL. IN AREAS WHERE SHOTBLASTING EQUIPMENT CAN NOT REACH (I.E., ALONG CURBS AND BRIDGE RAILS) SANDBLASTING IS PERMITTED TO AN EXTENT TO THE ENGINEER'S AND MANUFACTURER'S APPROVAL. IMMEDIATELY BEFORE APPLICATION, ALL PREPARED SURFACES SHALL BE CLEANED WITH COMPRESSED AIR OR VACUUMED TO REMOVE DUST AND DEBRIS. THE CONTRACTOR IS TO PREVENT THE TRACKING OF TACK COAT AND CONSTRUCTION DEBRIS ACROSS THE BRIDGE DECK PRIOR TO THE APPLICATION OF THE THIN OVERLAY. MILLING THE BRIDGE DECK WILL NOT BE AN OPTION FOR TACK COAT OR DEBRIS REMOVAL. REMOVAL SHALL BE AT THE CONTRACTOR'S EXPENSE.

ALL SURFACES THAT ARE TREATED SHALL BE DRY AT THE TIME OF APPLICATION. THE OVERLAY SHALL NOT BE APPLIED WHEN IT HAS RAINED 24 HOURS PRIOR TO, OR RAIN IS FORECAST WITHIN 8 HOURS AFTER, APPLICATION. THE MOISTURE CONTENT IN THE DECK SUBSTRATE SHALL BE TESTED. MOISTURE IS NOT TO EXCEED 4.5 PERCENT WHEN MEASURED BY ELECTRONIC METER. IF THE TEST SHOWS EXCESS MOISTURE, THE DECK SHALL CONTINUE TO DRY BEFORE APPLICATION PROCEEDS.

BLUSHING (A WAXY SURFACE COATING ON THE EPOXY) IS CAUSED BY THE REACTION OF MOISTURE WITH THE HARDENING AGENT. BLUSHING CREATES A SURFACE THAT MAKES FUTURE LAYERS DIFFICULT TO ADHERE. LIFTS THAT SHOW SIGNS OF BLUSHING SHALL BE REMOVED AND REPLACED PRIOR TO APPLICATION OF THE NEXT. THE COST TO REMOVE AND REPLACE THESE AREAS SHALL BE AT THE CONTRACTOR'S EXPENSE.

TRAFFIC, OTHER THAN APPLICATION EQUIPMENT, SHALL NOT BE ALLOWED ON ANY PORTION OF THE DECK THAT HAS BEEN SHOTBLASTED OR WHERE PART OF THE APPLICATION HAS BEEN PLACED.

SEE MANUFACTURER'S RECOMMENDATIONS FOR REQUIRED AMBIENT AND SURFACE TEMPERATURES AND HUMIDITY LIMITS FOR APPLICATION.

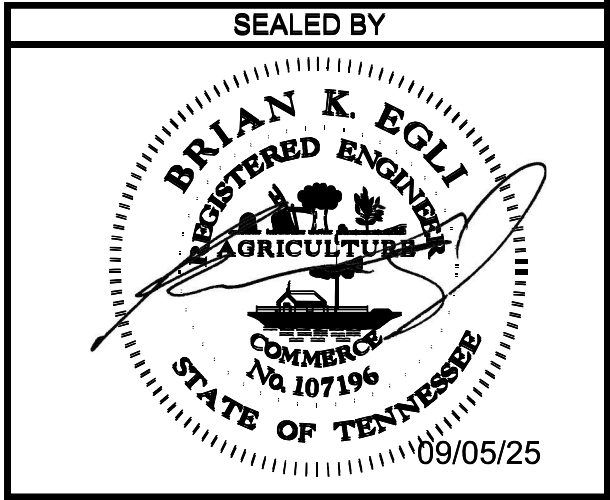
THE MANUFACTURER SHALL HAVE A REPRESENTATIVE ON THE JOB SITE AT ALL TIMES DURING APPLICATION AND CURE TIME. THE REPRESENTATIVE, ALONG WITH CONSULTATION WITH ENGINEER, MAY SUSPEND ANY ITEM OF WORK THAT IS SUSPECT AND DOES NOT MEET THE REQUIREMENTS OF THE SPECIFICATIONS. WORK SHALL NOT RESUME UNTIL THE ENGINEER AND REPRESENTATIVE ARE SATISFIED THAT APPROPRIATE REMEDIAL ACTION HAS BEEN TAKEN BY THE CONTRACTOR.

ALL COSTS FOR AGGREGATE, EPOXY FOR MINIMUM OF TWO LIFTS, SURFACE PREPARATION, LABOR AND ANY OTHER MISCELLANEOUS MATERIALS REQUIRED TO PLACE THIN OVERLAY SHALL BE INCLUDED IN ITEM NO. 617-04.01, TYPE 1 THIN EPOXY OVERLAY (EPOXY URETHANE), S.Y.

THICKNESS VERIFICATION: THE PROJECT ENGINEER SHALL BE NOTIFIED OF THE NUMBER OF GALLONS USED ON THE PROJECT WITH NOTARIZED QUANTITY STATEMENTS FROM THE CONTRACTOR AND THE MANUFACTURER. THE CONTRACTOR SHALL VERIFY TO TDOT THAT THE OVERLAY IS AN AVERAGE OF AT LEAST 3/8 INCH THICK AT THREE RANDOM LOCATIONS AGREED UPON BY THE PROJECT ENGINEER AND THE MATERIAL MANUFACTURER REPRESENTATIVE. IF 3/8 INCH AVERAGE IS NOT ACHIEVED, A RETEST SHALL BE PERFORMED IN ADJOINING AREAS. THIN AREAS SHALL BE RE-COATED AS DESCRIBED ABOVE BY THE CONTRACTOR AND RE-VERIFIED AT NO ADDITIONAL COST TO TDOT. THIS VERIFICATION MAY CONSIST OF CORES MADE BY THE CONTRACTOR WITH A CORING BIT NOT LESS THAN 1½" DIAMETER. THE TESTED AREAS SHALL BE REPAIRED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE BY THE PROJECT ENGINEER.

THE MANUFACTURER SHALL HAVE A REP ON THE JOB SITE AT ALL TIME DURING APPLICATION AND CURE TIME. THE REP WITH THE ENGINEER, MAY SUSPEND AN ITEM OF WORK THAT IS SUSPECT AND DOES NOT MEET THE REQUIREMENTS OF THE SPECS. WORK SHALL NOT RESUME UNTIL THE ENGINEER AND REP ARE SATISFIED THAT APPROPRIATE REMEDIAL ACTION HAS BEEN TAKEN BY THE CONTRACTOR.

| PROJECT NO.   |      | YEAR | SHEET NO.         |
|---------------|------|------|-------------------|
| 19S254-M3-004 |      | 2025 | B-4               |
| REVISIONS     |      |      |                   |
| NO.           | DATE | BY   | BRIEF DESCRIPTION |
|               | - -  |      |                   |
|               | - -  |      |                   |
|               | - -  |      |                   |
|               | - -  |      |                   |
|               | - -  |      |                   |



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPE 1 THIN EPOXY  
OVERLAY NOTES  
19-SR254-14.11 OVER  
MILL CREEK  
DAVIDSON COUNTY  
2025



[illegible]

|                                                                | DWG. NO.  | REV. DATE |
|----------------------------------------------------------------|-----------|-----------|
| BRIDGE RAILING W/ STRUCTURAL TUBING                            | K-38-162  | 5-9-82    |
| REINFORCING BAR SUPPORT DETAILS FOR CONC. SLAB                 | K-80-14   | 8-27-76   |
| MISC. ABUTMENT AND DRAINAGE DETAILS                            | K-85-190  | 6-25-81   |
| REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS                    | K-86-144  | 7-17-81   |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CR. DETAILS | M-164-24  | 10-31-82  |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS    | M-164-25  | 10-31-82  |
| STD. PILES DETAILS                                             | M-174-150 | NO DATE   |
| STD PRECAST PRE. PANELS                                        | M-164-25A | " "       |

|                           |      |         |
|---------------------------|------|---------|
| APPROVAL OF SHOP DRAWINGS | 105A | 7-21-81 |
| CONCRETE STRUCTURES       | 604  | 11-6-81 |
| STRUCTURAL CONCRETE       | 604C | 1-6-82  |
| PRECAST/PRESTRESSED       |      |         |
| BRIDGE DECK PANELS        | 604P | 3-20-89 |

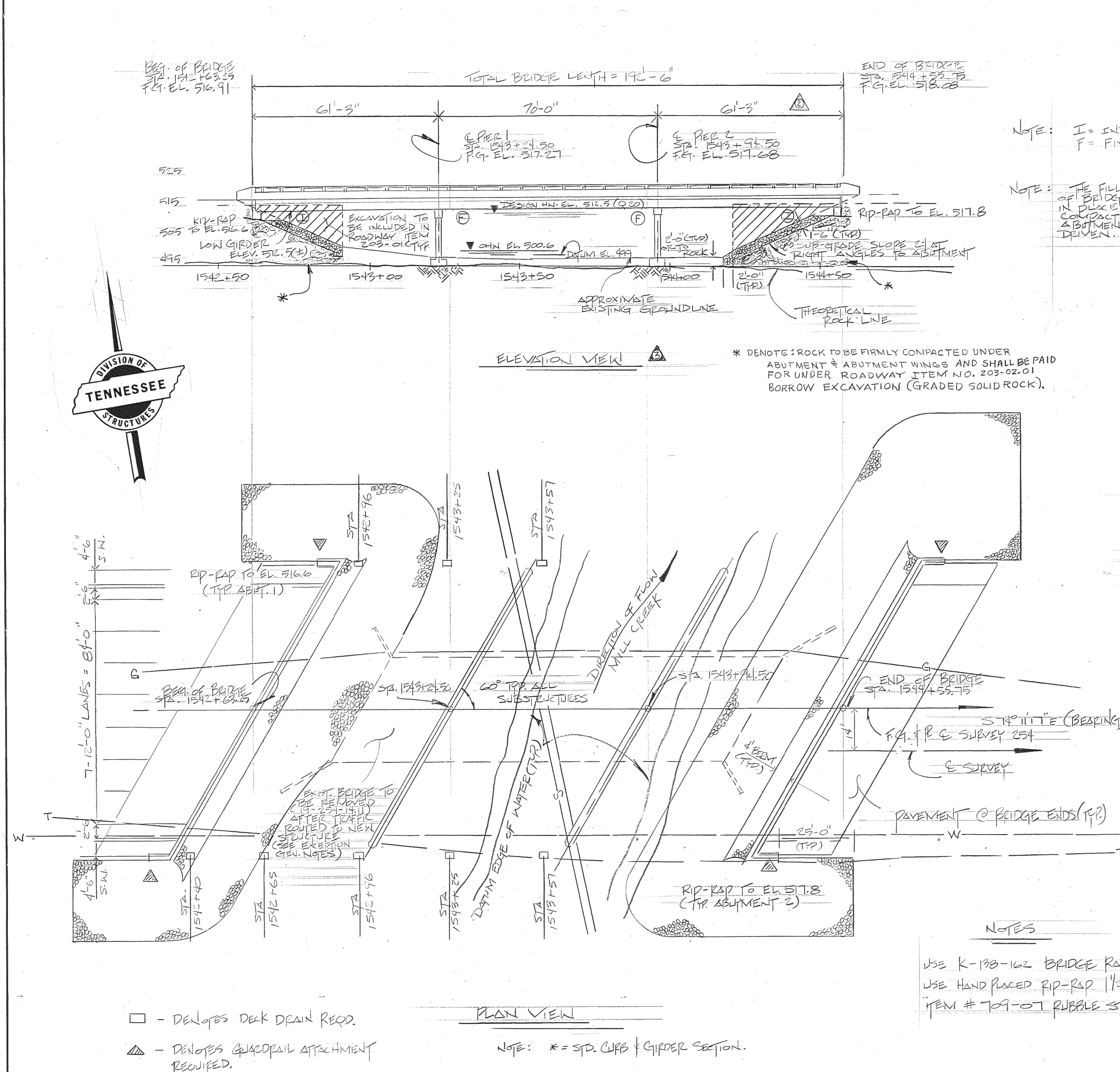
|                                                    |      |         |
|----------------------------------------------------|------|---------|
| EPoxy COATED REINFORCING STEEL                     | 907A | 3-25-88 |
| PRECAST PRESTRESSED CONCRETE BRIDGE MEMBERS        | 615  | 5-18-88 |
| RIDEABILITY OF BRIDGE DECKS AND ROADWAY APPROACHES | 604R | 1-20-89 |
| PAINTING — — — — —                                 | 603A | 11-1-88 |

45 M.P.H. DESIGN SPEED  
EST. 2009 ADT 30100  
88' 0" ROADWAY WITH 2-5-0"  
SIDEWALKS AND K-38-162  
RAIL-

BRIDGE LAYOUT  
STATE RTE. 254 (BELL RD.)  
OVER MILL CREEK (L.M. 14.11)  
STATION 1343+59.5  
BRIDGE ID NO. 19561580005  
DAVIDSON CO.  
1989

M-219-3

PORTABLE MEDIAN BARRIER 385 L.W. FT. CLASS A GRADING D 32 C.Y.



NOTE: I = INTEGRAL  
F = FIXED

NOTE: THE FILLS @ THE END OF BRIDGE SHALL BE IN PLACE & THOROUGHLY COMPACTED BEFORE ABUTMENT PILES ARE DRIVEN.

## HYDRAULIC DATA

|                                        |               |
|----------------------------------------|---------------|
| DRAINAGE AREA                          | 52.8 SQ. MI.  |
| DESIGN DISCHARGE (20YR)                | 15,000 C.F.S. |
| WATER AREA<br>PROVIDED BELOW EL. 512.5 | 2118 SQ. FT.  |
| VELOCITY (20YR)                        | 7.08 F.P.S.   |
| BRIDGE BACKWATER (20YR)                | 1'-0" F.      |
| ROADWAY OVERTOPPING                    | 513.5         |
| 100 YR. DISCHARGE                      | 22,700 CFS    |
| 100 YR. ELEVATION                      | 515.7         |

## LIST OF DRAWINGS

| ITEMS                           | DRAWING NUMBER |
|---------------------------------|----------------|
| BRIDGE LAY-OUT                  | M-219-31       |
| GENERAL NOTES & EST. QUANTITIES | M-219-32       |
| FOUNDATION DATA                 | M-219-33       |
| SUPERSTRUCTURE                  | M-219-34       |
| SUPERSTRUCTURE DETAILS          | M-219-35       |
| SUPERSTRUCTURE DETAILS          | M-219-36       |
| PRE STRESSED BEAMS              | M-219-37       |
| PRE STRESSED BEAMS              | M-219-38       |
| ABUTMENT No. 1 & 2              | M-219-39       |
| ABUTMENT No. 1 & 2 DETAILS      | M-219-40       |
| PIERS No. 1 & 2                 | M-219-41       |
| PIERS No. 1 & 2                 | M-219-42       |
| PIERS No. 1 & 2 DETAILS         | M-219-43       |
| PAVEMENT AT BRIDGE ENDS         | M-219-44       |
| BILL OF STEEL                   | M-219-45       |

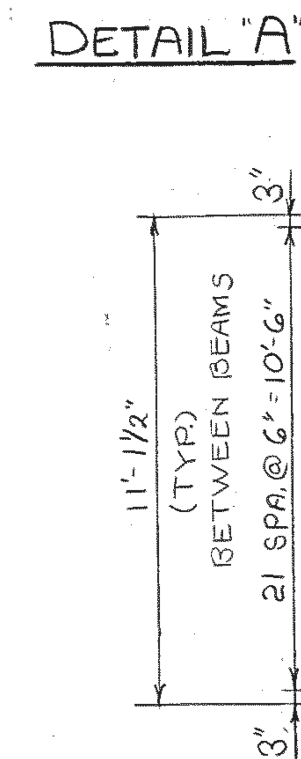
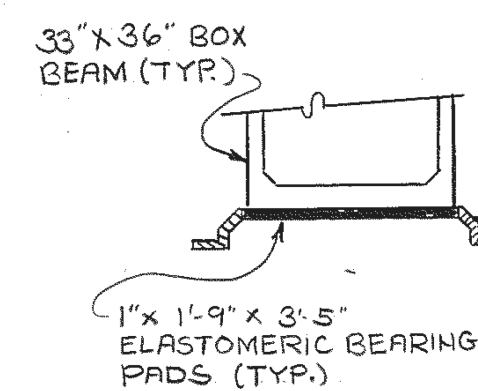
REFERENCE DRAWINGS

(DRAWINGS TO BE PRINTED WITH CONTRACT PLAN)  
DWG. NO'S F-13-146 THRU F-13-149.

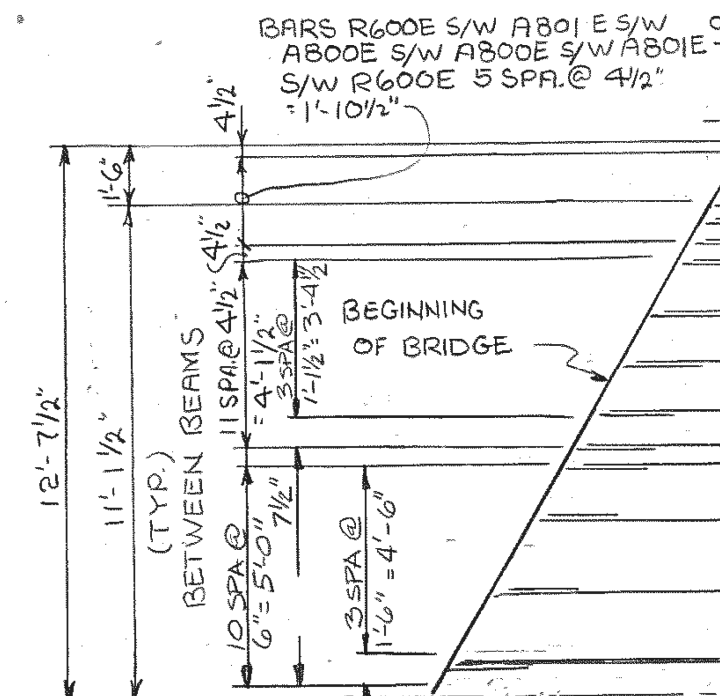
USE K-138-162 BRIDGE RAIL  
USE HAND PLACED RIP-RAP 1 1/2'-FT. THICK  
ITEM # 709-07 RUBBLE STONE (PLAIN)

DESIGNED BY KL DATE 1-89  
 DRAWN BY DGR DATE 2-89  
 SUPERVISED BY RLH HMB DATE 2-89  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_



[illegible]

6 BARS A800E = 60'-0"



1. END OF MINING PERIOD PROCEEDINGS (PARTITION, ETC.)

| ESTIMATED QUANTITIES  |                                              |                                                  |                                                     |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| CLASS "A"<br>CONCRETE<br>BRIDGES C.Y.                                                                      | CLASS "A"<br>CONCRETE<br>(BRIDGE DECKS) C.Y. | STEEL BAR<br>REINFORCE-<br>MENT BRIDGES<br>(LBS) | EPOXY COATED<br>REINFORCE-<br>MENT BRIDGES<br>(LBS) |
| 22                                                                                                         | 569                                          | 4,575                                            | 152,844                                             |

CORRECT Edward P. Wasserman  
ENGINEER OF STRUCTURES

APPROVED Louis Bruno  
DIRECTOR OF HIGHWAYS

DESIGNED BY KEN LITTON DATE 2-89  
DRAWN BY M. R. MAHNCHEN DATE 2-89  
SUPERVISED BY DON HARBISON DATE 2-89  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

M-219-34



