



Robert LeFevre

TENNESSEE DEPARTMENT OF TRANSPORTATION  
JAMES K. POLK BUILDING, SUITE 1100  
505 DEADERICK STREET  
NASHVILLE, TN 37243  
ROBERT LEFEVRE, P.E. NO. 104057

**SHEET NAME**

SIGNATURE SHEET .....STRUCTURE-SIGN3

INDEX OF DRAWINGS .....U-95-426

ESTIMATED QUANTITIES .....U-95-429

| YEAR                                                             | PROJECT NO.    | SHEET NO.       |
|------------------------------------------------------------------|----------------|-----------------|
| 2025                                                             | BR-STP-320(10) | STRUCTURE-SIGN3 |
|                                                                  |                |                 |
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| <b>STATE OF TENNESSEE</b><br><b>DEPARTMENT OF TRANSPORTATION</b> |                |                 |
| <b>SIGNATURE</b><br><b>SHEET</b>                                 |                |                 |

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
|      | 2025 |             | B-1       |
|      |      |             |           |
|      |      |             |           |

-  05-20-25    JM    GENERAL REVISIONS
-  09-29-25    JM    REV'D CLASS 'A' CONCRETE AND REV. DATES



| ESTIMATED QUANTITIES |                                               |      |         |          |          |
|----------------------|-----------------------------------------------|------|---------|----------|----------|
| ITEM NO.             | DESCRIPTION                                   | UNIT | TOTAL   | QUANTITY | QUANTITY |
| 202-04.01            | REMOVAL OF STRUCTURES (BR. NO. 33-SR320-0.86) | L.S. | 1       | 1        |          |
| 204-02.01            | DRY EXCAVATION (BRIDGES)                      | C.Y. | 2,024   | 2,024    |          |
| 303-01.02            | GRANULAR BACKFILL (BRIDGES)                   | TON  | 1,985   | 1,985    |          |
| 604-02.03            | EPOXY COATED REINFORCING STEEL                | LB   | 92,655  | 92,655   |          |
| 604-03.01            | CLASS 'A' CONCRETE (BRIDGES)                  | C.Y. | 897     | 897      |          |
| 604-03.02            | STEEL BAR REINFORCEMENT (BRIDGES)             | LB.  | 165,612 | 165,612  |          |
| 604-03.04            | PAVEMENT AT BRIDGE ENDS                       | S.Y. | 262     | 262      |          |
| 604-03.09            | CLASS 'D' CONCRETE (BRIDGE DECK)              | C.Y. | 247     | 247      |          |
| 604-04.01            | APPLIED TEXTURE FINISH (NEW STRUCTURES)       | S.Y. | 1,413   | 1,413    |          |
| 604-04.41            | THREE STAR STATE EMBLEM                       | EA.  | 4       | 4        |          |
| 604-05.31            | BRIDGE DECK GROOVING (MECHANICAL)             | S.Y. | 825     | 825      |          |
| 606-03.03            | STEEL PILES (12 INCH)                         | L.F. | 3,249   | 3,249    |          |
| 606-03.06            | PILE TIPS (STEEL PILES, 12 INCH)              | EACH | 191     | 191      |          |
| 610-10.45            | DECK DRAINS (GRATE TYPE 2)                    | EA.  | 4       | 4        |          |
| 615-02.19            | PRESTRESSED CONCRETE BOX BEAM (24" X 36")     | L.F. | 1,412   | 1,412    |          |
| 617-02               | BRIDGE DECK CRACK SEAL                        | L.F. | 211     | 211      |          |
| 617-05               | SEALANT (HMWM)                                | GAL. | 3       | 3        |          |
| 620-05               | CONCRETE PARAPET WITH STRUCTURAL TUBING       | L.F. | 677     | 440      | 237      |
| 621-05.01            | TEMPORARY SHORING                             | S.F. | 1,200   | 1,200    |          |
| 707-07.01            | CHAIN-LINK FENCE (BRIDGES)                    | S.F. | 1,168   | 1,168    |          |
| 709-04               | REINFORCED CONCRETE SLOPE PAVEMENT            | C.Y. | 31      | 31       |          |
| 710-09.01            | 6" PERF. PIPE WITH VERTICAL DRAIN SYSTEM      | L.F. | 135     | 135      |          |
| 710-09.02            | 6" PIPE UNDERDRAIN                            | L.F. | 50      | 50       |          |

LIST OF DRAWINGS

DWG. NO.  LAST REV. DATE

|                                            |       |                 |           |
|--------------------------------------------|-------|-----------------|-----------|
| SIGNATURE SHEET                            | ..... | STRUCTURE-SIGN1 |           |
| SIGNATURE SHEET                            | ..... | STRUCTURE-SIGN2 |           |
| SIGNATURE SHEET                            | ..... | STRUCTURE-SIGN3 |           |
| BRIDGE DRAWINGS AND                        |       |                 |           |
| ESTIMATED BRIDGE QUANTITIES                | ..... | B-1             | 9-29-2025 |
| LAYOUT OF BRIDGE                           | ..... | U-95-425        | 5-20-2025 |
| INDEX OF DRAWINGS                          | ..... | U-95-426        | 9-29-2025 |
| GENERAL NOTES                              | ..... | U-95-427        | 5-20-2025 |
| RAILROAD NOTES                             | ..... | U-95-428        | 5-20-2025 |
| ESTIMATED QUANTITIES                       | ..... | U-95-429        | 9-29-2025 |
| FOUNDATION DATA                            | ..... | U-95-430        | 5-20-2025 |
| FOUNDATION DATA                            | ..... | U-95-431        | 5-20-2025 |
| SUPERSTRUCTURE                             | ..... | U-95-432        | 5-20-2025 |
| SUPERSTRUCTURE DETAILS                     | ..... | U-95-433        | 5-20-2025 |
| SUPERSTRUCTURE DETAILS                     | ..... | U-95-434        | 5-20-2025 |
| PHASING SEQUENCE DETAILS                   | ..... | U-95-435        | 5-20-2025 |
| PRESTRESSED BOX-BEAM DETAILS SPANS 1 AND 3 | ..... | U-95-436        | 5-20-2025 |
| PRESTRESSED BOX-BEAM DETAILS SPAN 2        | ..... | U-95-437        | 5-20-2025 |
| ABUTMENT NO. 1                             | ..... | U-95-438        | 5-20-2025 |
| ABUTMENT NO. 1 DETAILS                     | ..... | U-95-439        | 5-20-2025 |
| ABUTMENT NO. 1 DETAILS                     | ..... | U-95-440        | 5-20-2025 |
| ABUTMENT NO. 1 DETAILS                     | ..... | U-95-441        | 5-20-2025 |
| ABUTMENT NO. 1 DETAILS                     | ..... | U-95-442        | 5-20-2025 |
| ABUTMENT NO. 2                             | ..... | U-95-443        | 5-20-2025 |
| ABUTMENT NO. 2 DETAILS                     | ..... | U-95-444        | 5-20-2025 |
| ABUTMENT NO. 2 DETAILS                     | ..... | U-95-445        | 5-20-2025 |
| ABUTMENT NO. 2 DETAILS                     | ..... | U-95-446        | 5-20-2025 |
| ABUTMENT NO. 2 DETAILS                     | ..... | U-95-447        | 5-20-2025 |
| BENT NO. 1                                 | ..... | U-95-448        | 5-20-2025 |
| BENT NO. 1 DETAILS                         | ..... | U-95-449        | 5-20-2025 |
| BENT NO. 2                                 | ..... | U-95-450        | 5-20-2025 |
| BENT NO. 2 DETAILS                         | ..... | U-95-451        | 5-20-2025 |
| FINAL FOUNDATION DATA                      | ..... | U-95-452        | 5-20-2025 |
| FINAL FOUNDATION DATA                      | ..... | U-95-453        | 5-20-2025 |
| BILL OF STEEL                              | ..... | U-95-454        | 5-20-2025 |
| BILL OF STEEL                              | ..... | U-95-455        | 5-20-2025 |

LIST OF STANDARD DRAWINGS    DWG. NO.  LAST REV. DATE

|                                                                                 |                        |
|---------------------------------------------------------------------------------|------------------------|
| STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK |                        |
| DRAIN DETAILS                                                                   | STD-1-2SS..... 5-31-24 |
| REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS                                     | STD-1-5..... 6-05-23   |
| BRIDGE END DRAIN DETAILS 2'x8'-7" & 4'x8'-7" WITH PAVEMENT AT BRIDGE ENDS       | STD-1-6..... 5-10-21   |
| BRIDGE END DRAIN DETAILS 2'x8'-7" & 4'x8'-7" WITH PAVEMENT AT BRIDGE ENDS       | STD-1-7..... 5-10-21   |
| BRIDGE END DRAIN DETAILS 2'x8'-7" WITH PAVEMENT AT BRIDGE ENDS                  | STD-1-8..... 5-10-21   |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS                     | STD-4-1..... 4-08-05   |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA                     | STD-4-2..... 4-08-05   |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS                     | STD-4-3..... 3-02-02   |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS                | STD-4-4..... 6-10-96   |
| STANDARD PILE DETAILS                                                           | STD-5-1.....           |
| STANDARD SEISMIC DETAILS                                                        | STD-6-1..... 12-08-23  |
| STANDARD SEISMIC DETAILS                                                        | STD-6-2..... 11-07-94  |
| STANDARD PROTECTIVE FENCE DETAIL                                                | STD-8-5..... 5-10-21   |
| TRI-STAR STATE EMBLEM FINISH DETAILS                                            | STD-8-6..... 10-03-18  |
| REINF. BAR SUPPORT DETAILS FOR CONC. SLABS                                      | STD-9-1..... 10-07-08  |
| MISCELLANEOUS ABUTMENT & DRAINAGE DETAILS                                       | STD-10-1..... 6-05-23  |
| MISCELLANEOUS ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS             | STD-10-2..... 6-05-23  |
| BRIDGE RAILING WITH STRUCTURAL TUBING                                           | STD-11-1..... 4-15-20  |
| STD. DETAILS FOR PRESTRESSED BOX BEAMS                                          | STD-14-3..... 3-6-24   |
| SLOPE PROTECTION                                                                | RD11-SA-1..... 1-09-24 |

LIST OF SPECIAL PROVISIONS    PROV. NO.  LAST REV. DATE

|                              |       |        |       |          |
|------------------------------|-------|--------|-------|----------|
| REPAIR OF BRIDGE DECK CRACKS | ..... | .604CR | ..... | 02-08-21 |
|------------------------------|-------|--------|-------|----------|

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PIN NO.: 124076.00  
DESIGN BY: JASON MILLER DATE: 12/15/2023  
DRAWN BY: JASON MILLER DATE: 12/15/2023  
SUPERVISED BY: ROBERT LEFEVRE DATE: 12/15/2023  
CHECKED BY: ROBERT LEFEVRE DATE: 12/15/2023

| LIST OF DRAWINGS                           | DWG. NO. | LAST REV. DATE |
|--------------------------------------------|----------|----------------|
| LAYOUT OF BRIDGE                           | U-95-425 | 5-20-2025      |
| INDEX OF DRAWINGS                          | U-95-426 | 9-29-2025      |
| GENERAL NOTES                              | U-95-427 | 5-20-2025      |
| RAILROAD NOTES                             | U-95-428 | 5-20-2025      |
| ESTIMATED QUANTITIES                       | U-95-429 | 9-29-2025      |
| FOUNDATION DATA                            | U-95-430 | 5-20-2025      |
| FOUNDATION DATA                            | U-95-431 | 5-20-2025      |
| SUPERSTRUCTURE                             | U-95-432 | 5-20-2025      |
| SUPERSTRUCTURE DETAILS                     | U-95-433 | 5-20-2025      |
| SUPERSTRUCTURE DETAILS                     | U-95-434 | 5-20-2025      |
| PHASING SEQUENCE DETAILS                   | U-95-435 | 5-20-2025      |
| PRESTRESSED BOX-BEAM DETAILS SPANS 1 AND 3 | U-95-436 | 5-20-2025      |
| PRESTRESSED BOX-BEAM DETAILS SPAN 2        | U-95-437 | 5-20-2025      |
| ABUTMENT NO. 1                             | U-95-438 | 5-20-2025      |
| ABUTMENT NO. 1 DETAILS                     | U-95-439 | 5-20-2025      |
| ABUTMENT NO. 1 DETAILS                     | U-95-440 | 5-20-2025      |
| ABUTMENT NO. 1 DETAILS                     | U-95-441 | 5-20-2025      |
| ABUTMENT NO. 1 DETAILS                     | U-95-442 | 5-20-2025      |
| ABUTMENT NO. 2                             | U-95-443 | 5-20-2025      |
| ABUTMENT NO. 2 DETAILS                     | U-95-444 | 5-20-2025      |
| ABUTMENT NO. 2 DETAILS                     | U-95-445 | 5-20-2025      |
| ABUTMENT NO. 2 DETAILS                     | U-95-446 | 5-20-2025      |
| ABUTMENT NO. 2 DETAILS                     | U-95-447 | 5-20-2025      |
| BENT NO. 1                                 | U-95-448 | 5-20-2025      |
| BENT NO. 1 DETAILS                         | U-95-449 | 5-20-2025      |
| BENT NO. 2                                 | U-95-450 | 5-20-2025      |
| BENT NO. 2 DETAILS                         | U-95-451 | 5-20-2025      |
| FINAL FOUNDATION DATA                      | U-95-452 | 5-20-2025      |
| FINAL FOUNDATION DATA                      | U-95-453 | 5-20-2025      |
| BILL OF STEEL                              | U-95-454 | 5-20-2025      |
| BILL OF STEEL                              | U-95-455 | 5-20-2025      |

| LIST OF STANDARD DRAWINGS                                                                     | DWG. NO.  | LAST REV. DATE |
|-----------------------------------------------------------------------------------------------|-----------|----------------|
| STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS | STD-1-2SS | 5-31-24        |
| REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS                                                   | STD-1-5   | 6-05-23        |
| BRIDGE END DRAIN DETAILS 2'x8'-7" & 4'x8'-7" WITH PAVEMENT AT BRIDGE ENDS                     | STD-1-6   | 5-10-21        |
| BRIDGE END DRAIN DETAILS 2'x8'-7" & 4'x8'-7" WITH PAVEMENT AT BRIDGE ENDS                     | STD-1-7   | 5-10-21        |
| BRIDGE END DRAIN DETAILS 2'x8'-7" WITH PAVEMENT AT BRIDGE ENDS                                | STD-1-8   | 5-10-21        |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS                                   | STD-4-1   | 4-08-05        |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA                                   | STD-4-2   | 4-08-05        |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS                                   | STD-4-3   | 3-02-02        |
| STD. PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS                              | STD-4-4   | 6-10-96        |
| STANDARD PILE DETAILS                                                                         | STD-5-1   |                |
| STANDARD SEISMIC DETAILS                                                                      | STD-6-1   | 12-08-23       |
| STANDARD PROTECTIVE FENCE DETAIL                                                              | STD-8-5   | 5-10-21        |
| TRI-STAR STATE EMBLEM FINISH DETAILS                                                          | STD-8-6   | 10-03-18       |
| REINF. BAR SUPPORT DETAILS FOR CONC. SLABS                                                    | STD-9-1   | 10-07-08       |
| MISCELLANEOUS ABUTMENT & DRAINAGE DETAILS                                                     | STD-10-1  | 6-05-23        |
| MISCELLANEOUS ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS                           | STD-10-2  | 6-05-23        |
| BRIDGE RAILING WITH STRUCTURAL TUBING                                                         | STD-11-1  | 4-15-20        |
| STD. DETAILS FOR PRESTRESSED BOX BEAMS                                                        | STD-14-3  | 3-6-24         |
| SLOPE PROTECTION                                                                              | RD11-SA-1 | 1-09-24        |

| LIST OF SPECIAL PROVISIONS   | PROV. NO. | LAST REV. DATE |
|------------------------------|-----------|----------------|
| REPAIR OF BRIDGE DECK CRACKS | .604CR    | 02-08-21       |

|                           |            |      |                    |
|---------------------------|------------|------|--------------------|
| CONST. NO.: 33057-3228-94 |            |      |                    |
| PROJECT NO.               |            | YEAR | SHEET NO.          |
| BR-STP-320(10)            |            | 2025 |                    |
| REVISIONS                 |            |      |                    |
| NO.                       | DATE       | BY   | BRIEF DESCRIPTION  |
| 1                         | 05-20-2025 | JM   | GENERAL REVISION   |
| 2                         | 09-29-2025 | JM   | REVISED REV. DATES |
|                           | - -        |      |                    |
|                           | - -        |      |                    |
|                           | - -        |      |                    |



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
INDEX OF DRAWINGS  
STATE ROUTE 320  
OVER CSX RAILROAD  
BRIDGE ID NO. 33S43070001  
STA. 18+27.50  
LOG MILE 0.86  
HAMILTON COUNTY  
2025

U-95-426

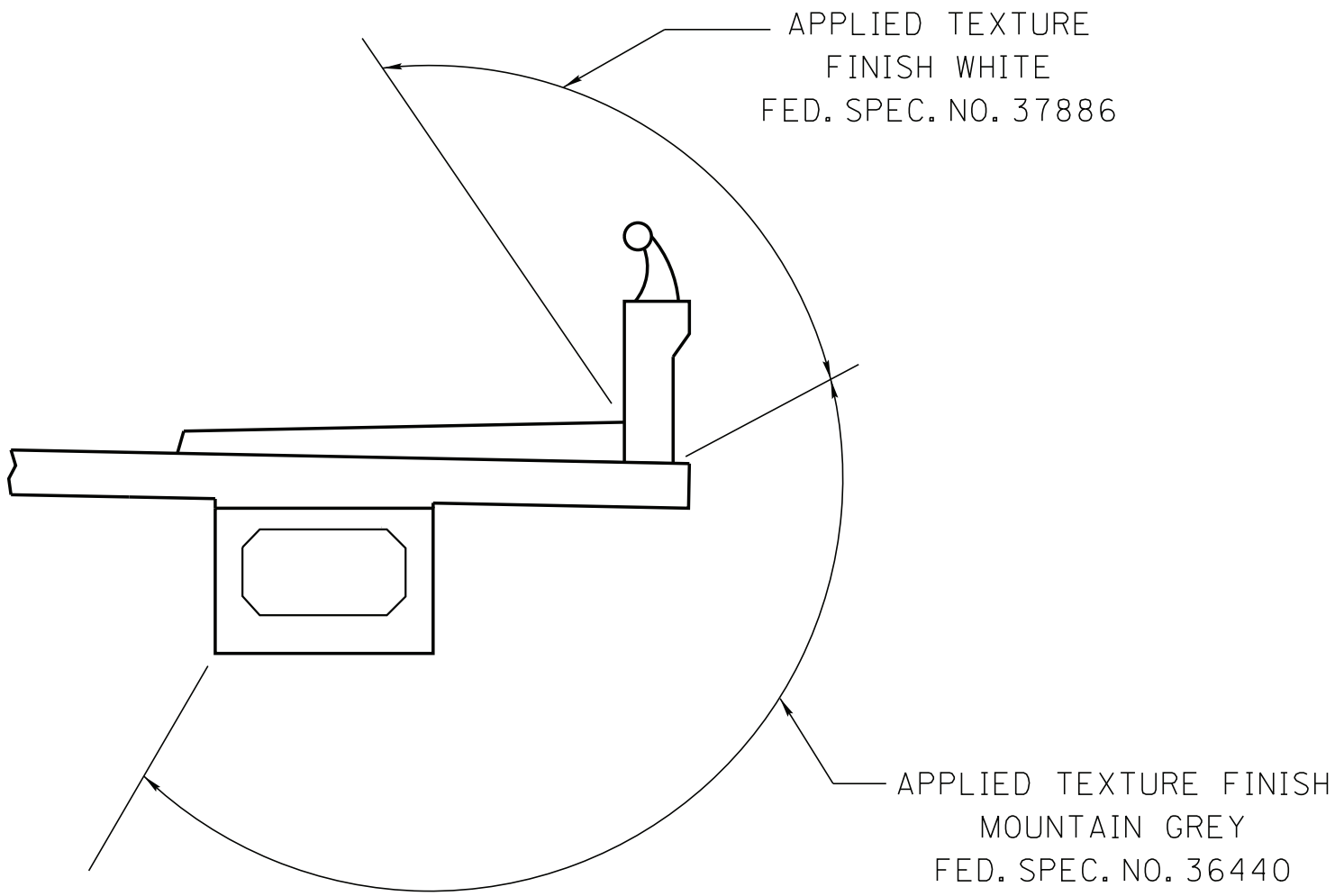
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ESTIMATED QUANTITIES

|   | ITEM NO. | DESCRIPTION                                             | UNIT | TOTAL   | SUPERSTRUCTURE | ABUTMENT 1 | BENT 1 | BENT 2 | ABUTMENT 2 |
|---|----------|---------------------------------------------------------|------|---------|----------------|------------|--------|--------|------------|
| ② | ⑫        | 202-04.01 REMOVAL OF STRUCTURES (BR. NO. 33-SR320-0.86) | L.S. | 1       |                |            |        |        |            |
| ③ |          | 204-02.01 DRY EXCAVATION (BRIDGES)                      | C.Y. | 2,024   |                | 716        | 125    | 125    | 1,058      |
| ④ |          | 303-01.02 GRANULAR BACKFILL (BRIDGES)                   | TON  | 1,985   |                | 555        |        |        | 1,430      |
| ⑧ |          | 604-02.03 EPOXY COATED REINFORCING STEEL                | LB   | 92,655  | 84,930         | 3,762      |        |        | 3,963      |
| ⑦ |          | 604-03.01 CLASS 'A' CONCRETE (BRIDGES)                  | C.Y. | 897     | 66             | 185        | 172    | 156    | 318        |
| ⑧ |          | 604-03.02 STEEL BAR REINFORCEMENT (BRIDGES)             | LB.  | 165,612 | 1,107          | 29,346     | 43,177 | 38,725 | 53,257     |
| ① |          | 604-03.04 PAVEMENT AT BRIDGE ENDS                       | S.Y. | 262     |                |            |        |        |            |
|   |          | 604-03.09 CLASS 'D' CONCRETE (BRIDGE DECK)              | C.Y. | 247     | 247            |            |        |        |            |
|   |          | 604-04.01 APPLIED TEXTURE FINISH (NEW STRUCTURES)       | S.Y. | 1,413   |                |            |        |        |            |
|   |          | 604-04.41 THREE STAR STATE EMBLEM                       | EA.  | 4       |                | 2          |        |        | 2          |
|   |          | 604-05.31 BRIDGE DECK GROOVING (MECHANICAL)             | S.Y. | 825     | 825            |            |        |        |            |
| ⑬ |          | 606-03.03 STEEL PILES (12 INCH)                         | L.F. | 3,249   |                | 927        | 262    | 311    | 1,749      |
| ⑩ |          | 606-03.06 PILE TIPS (STEEL PILES, 12 INCH)              | EACH | 191     |                | 46         | 28     | 28     | 89         |
|   |          | 610-10.45 DECK DRAINS (GRATE TYPE 2)                    | EA.  | 4       |                |            |        |        |            |
| ⑤ |          | 615-02.19 PRESTRESSED CONCRETE BOX BEAM (24" X 36")     | L.F. | 1,412   |                |            |        |        |            |
| ⑪ |          | 617-02 BRIDGE DECK CRACK SEAL                           | L.F. | 211     |                |            |        |        |            |
| ⑪ |          | 617-05 SEALANT (HMWM)                                   | GAL. | 3       |                |            |        |        |            |
| ④ |          | 620-05 CONCRETE PARAPET WITH STRUCTURAL TUBING          | L.F. | 440     |                |            |        |        |            |
|   |          | 621-05.01 TEMPORARY SHORING                             | S.F. | 1,200   |                |            |        |        |            |
|   |          | 707-07.01 CHAIN-LINK FENCE (BRIDGES)                    | S.F. | 1168    |                |            |        |        |            |
|   |          | 709-04 REINFORCED CONCRETE SLOPE PAVEMENT               | C.Y. | 31      |                |            |        |        |            |
| ⑥ |          | 710-09.01 6" PERF. PIPE WITH VERTICAL DRAIN SYSTEM      | L.F. | 135     |                | 54         |        |        | 81         |
|   |          | 710-09.02 6" PIPE UNDERDRAIN                            | L.F. | 50      |                | 30         |        |        | 20         |

CONST. NO.: 33057-3228-94

| PROJECT NO.    |            | YEAR | SHEET NO.                           |
|----------------|------------|------|-------------------------------------|
| BR-STP-320(10) |            | 2025 |                                     |
| REVISIONS      |            |      |                                     |
| NO.            | DATE       | BY   | BRIEF DESCRIPTION                   |
| 1              | 05-20-2025 | JM   | GENERAL REVISION                    |
| 2              | 09-29-2025 | JM   | UPDATED CLASS 'A' CONCRETE QUANTITY |
|                | --         |      |                                     |
|                | --         |      |                                     |
|                | --         |      |                                     |



APPLIED TEXTURE FINISH SKETCH

NOTE: IN ADDITION TO THE PORTIONS SHOWN IN THE APPLIED TEXTURE FINISH SKETCH, ALL EXPOSED SURFACES OF THE WINGWALLS, ABUTMENT BEAMS, BENTS, AND EXTERIOR PORTIONS OF ENDWALLS ARE TO RECEIVE AN APPLIED TEXTURE FINISH (GRAY, AMS-STD-595A, COLOR NO. 36440).

ESTIMATED QUANTITIES NOTES

- (1) NOTE: PRIOR TO CONSTRUCTION OF THE PAVEMENT AT BRIDGE ENDS, THE CONTRACTOR SHALL SUBMIT A PROPOSED BILL OF STEEL TO THE ENGINEER FOR APPROVAL.

(2) NOTE: LUMP SUM (3 SPANS AT 39' SIMPLY SUPPORTED CONCRETE DECK BEAM BRIDGE WITH CONCRETE SUBSTRUCTURE, 36'-4" OUT-TO-OUT, BRIDGE ID NO. 33S43070001. EXISTING LAYOUT AND TYPICAL SECTION DWG. NO'S B-7-67 AND B-2-130.

(3) NOTE: EXCAVATION BASED ON FINAL PROFILE AT ABUTMENTS 1, 2 AND BENT 1 AND EXISTING GROUND AT BENT 2.

(4) NOTE: THE COST OF BITUMINOUS-FIBERBOARD AND ALL MISCELLANEOUS JOINT MATERIAL TO BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.

(5) NOTE: COST OF ELASTOMERIC PADS AND RUBBER BONDING CEMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PRESTRESSED BEAM.

(6) NOTE: COST OF POLYETHYLENE SHEETING AND ALL MISCELLANEOUS ITEMS NECESSARY FOR INSTALLATION TO BE INCLUDED IN THE UNIT PRICE BID FOR PERFORATED PIPE.
- (7) NOTE: THE COST OF ALL MATERIALS AND LABOR NECESSARY FOR THE INSTALLATION OF 54 ANCHOR BOLT ASSEMBLIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS A CONCRETE (BRIDGES), ITEM NO. 604-03.01.

(8) NOTE: MECHANICAL BAR SPLICERS MUST BE ON THE TDOT QUALIFIED PRODUCTS LIST 27. THE BAR SPLICERS SHALL MEET AASHTO LRFD SPECIFICATIONS FOR MECHANICAL CONNECTION. WHEN EPOXY COATING IS REQUIRED, THE EXPOSED THREADS SHALL BE REPAIRED AFTER SPLICING ACCORDING TO SECTION 907 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING THE BAR SPLICERS, (AND EPOXY COATING WHEN REQUIRED) INCLUDING ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE INSTALLATION, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NO. 604-02.03 AND ITEM NO. 604-03.02.

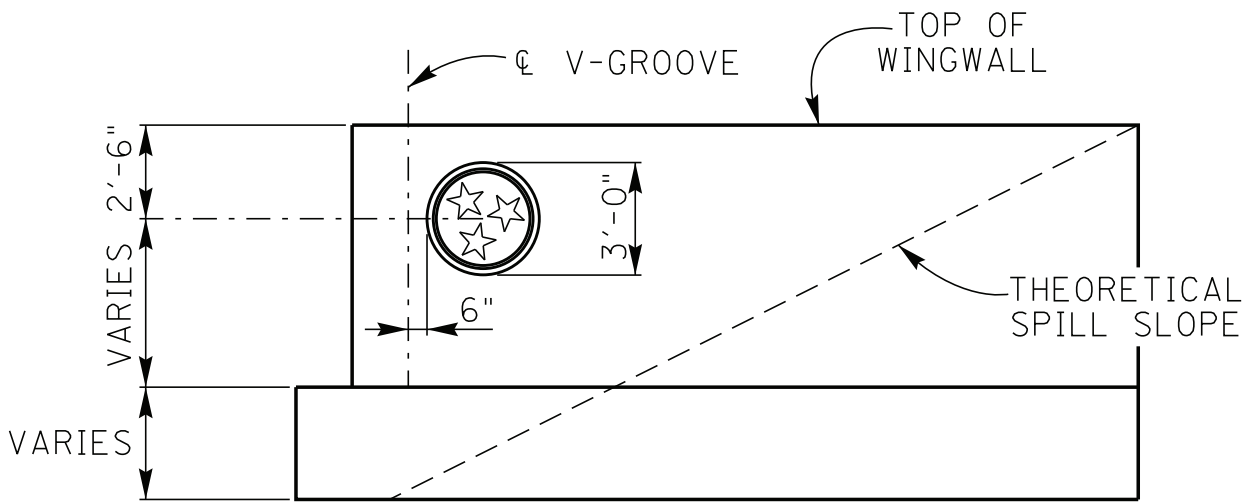
(9) NOTE: GRANULAR BACKFILL SHALL BE TYPE "A" GRADING "D" MATERIAL. SEE STANDARD DRAWING STD-10-1.

(10) NOTE: THE UNIT PRICE BID FOR THE CAST STEEL POINTS SHALL INCLUDE FURNISHING AND INSTALLATION TO THE PILES.

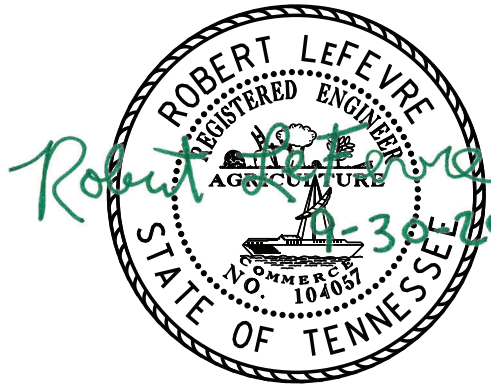
(11) NOTE: INCLUDES ALL COSTS FOR INSTALLING THE BRIDGE DECK CRACK SEALER (HMWM) INCLUDING CRACK PREPARATION, CLEANING, LABOR, AND ALL MISCELLANEOUS MATERIALS REQUIRED TO SEAL THE LONGITUDINAL CONSTRUCTION JOINT ACCORDING TO SPECIAL PROVISION 604CR AND MANUFACTURERS' SPECIFICATIONS. CRACK SEALING SHALL BE DONE AT THE END OF CONSTRUCTION TO ALLOW SHRINKAGE OF DECK CONCRETE CAUSING THE CRACK TO OCCUR.

(12) NOTE: ALL SUBSTRUCTURE UNITS WITHIN CSXT ROW SHALL BE CUT OFF A MINIMUM OF 3'-0" BELOW THE FINISHED GRADE, THE DITCH LINE INVERT, OR AS OTHERWISE DIRECTED BY THE ENGINEER.

(13) NOTE: THE COST OF DRILLING THE HOLES IN THE TOP OF THE PILES TO BE INCLUDED IN THE COST OF THE PILES.



TRI-STAR TREATMENT  
AT ABUTMENT WINGWALL  
(TYP. AT EACH WINGWALL)



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
ESTIMATED QUANTITIES  
STATE ROUTE 320  
OVER CSX RAILROAD  
BRIDGE ID NO. 33S43070001  
STA. 18+27.50  
LOG MILE 0.86  
HAMILTON COUNTY  
2025