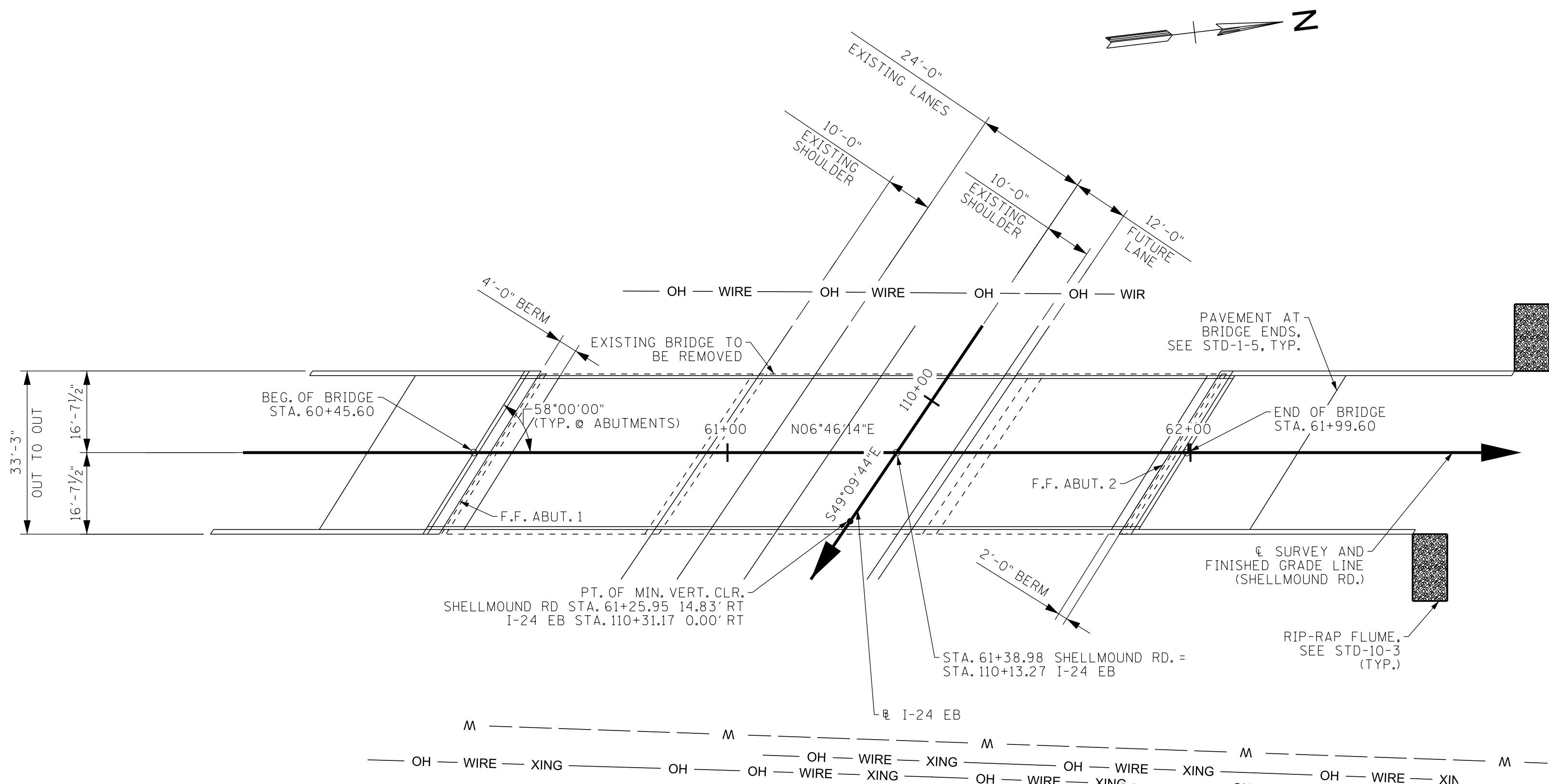


## ELEVATION

SCALE: 1" = 20'-0"

- DENOTES: MIN. VERT. CLEARANCE: REQUIRED: 16'-0" ACTUAL: 16'-6"

(I) DENOTES: INTEGRAL



# PLAN

SCALE: 1" = 20'-0"

DESIGNED BY ARCADIS DATE 5/2025  
DRAWN BY C.MCGRAW DATE 5/2025  
SUPERVISED BY G.HOOVER DATE 5/2025  
CHECKED BY B.WATSON DATE 5/2025

P.E. NO.

# GRADE SKETCH

(SHELLMOUND RD.)

# GRADE SKETCH

(I-24 EB)

## GENERAL NOTES

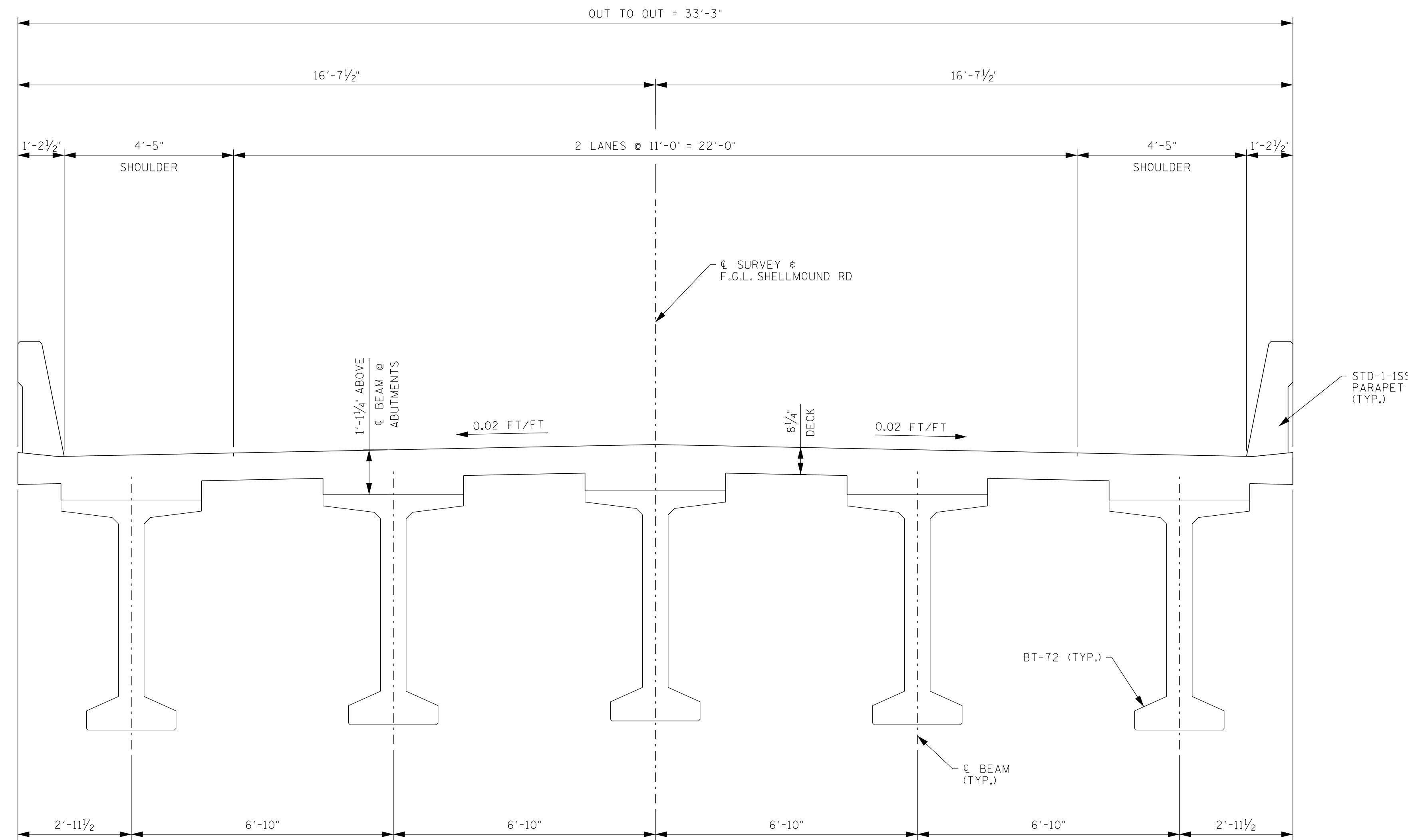
- 1) CONSTRUCTION SPECIFICATIONS: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021 EDITION.)
- 2) DESIGN SPECIFICATIONS: 10TH EDITION (2024) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, EDITION 2, WITH INTERIMS.
- 3) LOADING: HL-93 LIVE LOAD INCREASED BY 10% (MULTIPLIED BY 1.1) IN ADDITION TO ALL LOAD FACTORS SPECIFIED BY AASHTO FOR ALL APPLICABLE LOAD COMBINATIONS; SEISMIC CATEGORY "C" WITH  $A_s = 0.139$ ,  $S_{ds} = 0.272$ ,  $S_{ds} = 0.068$  (1000 YEAR RETURN PERIOD); DEAD LOADS SHALL INCLUDE 35 LB/SQ. FT. FOR FUTURE WEARING SURFACE.
- 4) SUPERSTRUCTURE: TO CONSIST OF 1 SPAN OF BT-72 BEAMS WITH COMPOSITE CONCRETE SLAB.
- 5) CONCRETE: CLASS A  $F'c=3000$  PSI, CLASS D  $F'c = 4000$  PSI FOR BRIDGE DECK.
- 5) REINFORCING STEEL: TO BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. EPOXY COAT ALL SLAB STEEL.
- 6) BRIDGE DECK SURFACE FINISH: TO BE IN ACCORDANCE WITH METHOD 3 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.
- 7) USE STD-1-1SS FOR PARAPETS.
- 8) TEXTURE COATING: TO BE GRAY (36440) EXCEPT TRAFFIC FACE AND TOP OF PARAPET TO BE WHITE (37886).
- 9) EXCAVATION: TO BE BASED ON FINAL PROFILE AT ABUTMENTS.
- 10) REMOVE EXISTING BRIDGE NO. 581002400392 AND APPROACHES TO NATURAL GROUND LINE BETWEEN STATIONS 60+51.29+- AND 61+90.75+- IN ACCORDANCE WITH SECTION 202.04 OF THE STANDARD SPECIFICATIONS.
- 11) EXISTING BRIDGE DESCRIPTION: 139.5' LONG, 3-SPAN CONCRETE BEAM, CONCRETE DECK.

DESIGN SPEED = 30 MPH  
2046 ADT = 1,930  
ROADWAY WIDTH = 32'-0"  
STD-1-1SS PARAPET

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 130902  
PRELIMINARY LAYOUT

BRIDGE ID. NO. 58100240039  
SHELLMOUND RD.  
OVER I-24 EB  
STA. 61+36.98  
MARION COUNTY  
2025



# TYPICAL SECTION

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 130902  
PRELIMINARY LAYOUT  
BRIDGE ID. NO. 58100240039  
SHELLMOUND RD.  
OVER I-24 EB  
STA. 61+36.98  
MARION COUNTY  
2025

DESIGNED BY ARCADIS D-TE 5/2025  
DR-WN BY C.MCGRAW D-TE 5/2025  
SUPERVISED BY G.HOOVER D-TE 5/2025  
CHECKED BY B.WATSON D-TE 5/2025