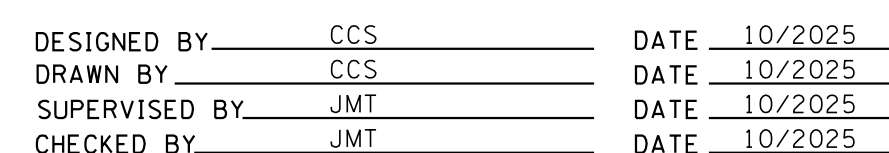


<u>LIST OF</u> <u>DRAWINGS</u>	<u>DWG. NO.</u>	<u>LAST REV.</u> <u>DATE</u>
LAYOUT OF BRIDGE -----	B-1-----	____-____-____
GENERAL NOTES -----	B-2-----	____-____-____
TYPICAL SECTION -----	B-3-----	____-____-____
PHASE CONSTRUCTION		
(1 OF 2) -----	B-4-----	____-____-____
PHASE CONSTRUCTION		
(2 OF 2) -----	B-5-----	____-____-____

**CAUTION !
FUNCTIONAL
PLANS
FOR REFERENCE
ONLY
SUBJECT TO
CHANGE**

STATE OF TENNESSEE
LAYOUT OF BRIDGE
PRELIMINARY LAYOUT
EPPS MILL ROAD
OVER
INTERSTATE 24
BRIDGE ID NO. 75I00240041
STATION 519+06.87
LOG MILE 0.50 (EPPS MILL RD)
LOG MILE 25.72 (I-24)
RUTHERFORD COUNTY
2025



PLAN VIEW
NOT TO SCALE

GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS:

TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021 EDITION).

LOADING:

A. 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.

B. SEISMIC CATEGORY "A" WITH A_s =0.091, S_{ws} =0.218, S_{ms} =0.119 (1000 YEAR RETURN PERIOD)

C. DEAD LOADS SHALL INCLUDE 35 LB/SQ. FT. FOR FUTURE WEARING SURFACE.

DESIGN SPECIFICATIONS:

10TH EDITION (2024) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE 2ND EDITION (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN WITH INTERIMS.

SUPERSTRUCTURE:

TO CONSIST OF 2 SPANS OF CONTINUOUS BT-72 BEAMS WITH COMPOSITE CONCRETE SLAB.

CONCRETE:

TO BE CLASS "A" (CAST-IN-PLACE), F'C = 3000 PSI EXCEPT AS NOTED OTHERWISE.

BRIDGE DECKS:

CLASS D CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

REINFORCING STEEL:

TO BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. EPOXY COAT ALL SLAB STEEL.

BRIDGE DECK SURFACE FINISH:

TO BE IN ACCORDANCE WITH METHOD 3 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.

PARAPET SYSTEM:

BUILD PARAPETS ACCORDING TO STANDARD DRAWING STD-11-1. THE PARAPETS SHALL BE FORMED AND CAST PLUMB, NOT PERPENDICULAR TO THE SLAB. THE DIMENSIONS AT THE TRAFFIC FACE SHALL BE KEPT CONSTANT, WITH VARIATION DUE TO CROSS-SLOPE ACCOMMODATED AT THE REAR FACE.

FINISHING CONCRETE SURFACES:

CONCRETE FINISHING SHALL BE IN ACCORDANCE WITH SECTION 604.21 OF THE STANDARD SPECIFICATIONS. A CLASS I FINISH FOLLOWED BY AN APPLIED TEXTURE FINISH SHALL BE USED IN LIEU OF A CLASS II FINISH. NO TEXTURE FINISH SHALL BE APPLIED PRIOR TO COMPLETION OF PAVING AND HAULING OPERATIONS AT THE BRIDGE SITE. THE APPLIED TEXTURE FINISH SHALL BE MEASURED AND PAID FOR UNDER ITEM NO. 604-04.01.

EXCAVATION:

TO BE BASED ON FINAL PROFILE AT ABUTMENTS AND EXISTING GROUND AT BENT.

FLUMES:

FLUMES AT BRIDGE ENDS ARE REQUIRED AS PER STANDARD DRAWING D-FLU-3.

DECK DRAINS:

BRIDGE DECK DRAINS ARE NOT REQUIRED.

REQUIREMENTS AND RESTRICTIONS FOR PHASE CONSTRUCTION:

40-TON WEIGHT LIMIT SIGNS SHALL REMAIN AT EACH END OF THE EXISTING BRIDGE DURING PHASE I CONSTRUCTION. SIGNS SHALL BE MOVED TO REMAIN VISIBLE DURING CONSTRUCTION. ONE 11'-0" WIDE TRAFFIC LANE IN EACH DIRECTION WITH 1'-0" SHOULDERS SHALL BE MAINTAINED DURING PHASE II CONSTRUCTION.

EXISTING BRIDGE TO BE REMOVED:

BR. FED. ID. NO. 75100240041, EXISTING LAYOUT DWG. NO. K-70-89. 299'-6" LONG, 32'-4" WIDE BRIDGE. 2 SPANS AT 149'-9" WELDED PLATE GIRDER BRIDGE WITH CONCRETE SUBSTRUCTURES. TOTAL ESTIMATED WEIGHT OF STRUCTURAL STEEL = 360,426 LBS.

LEAD/CHROMATE PAINT:

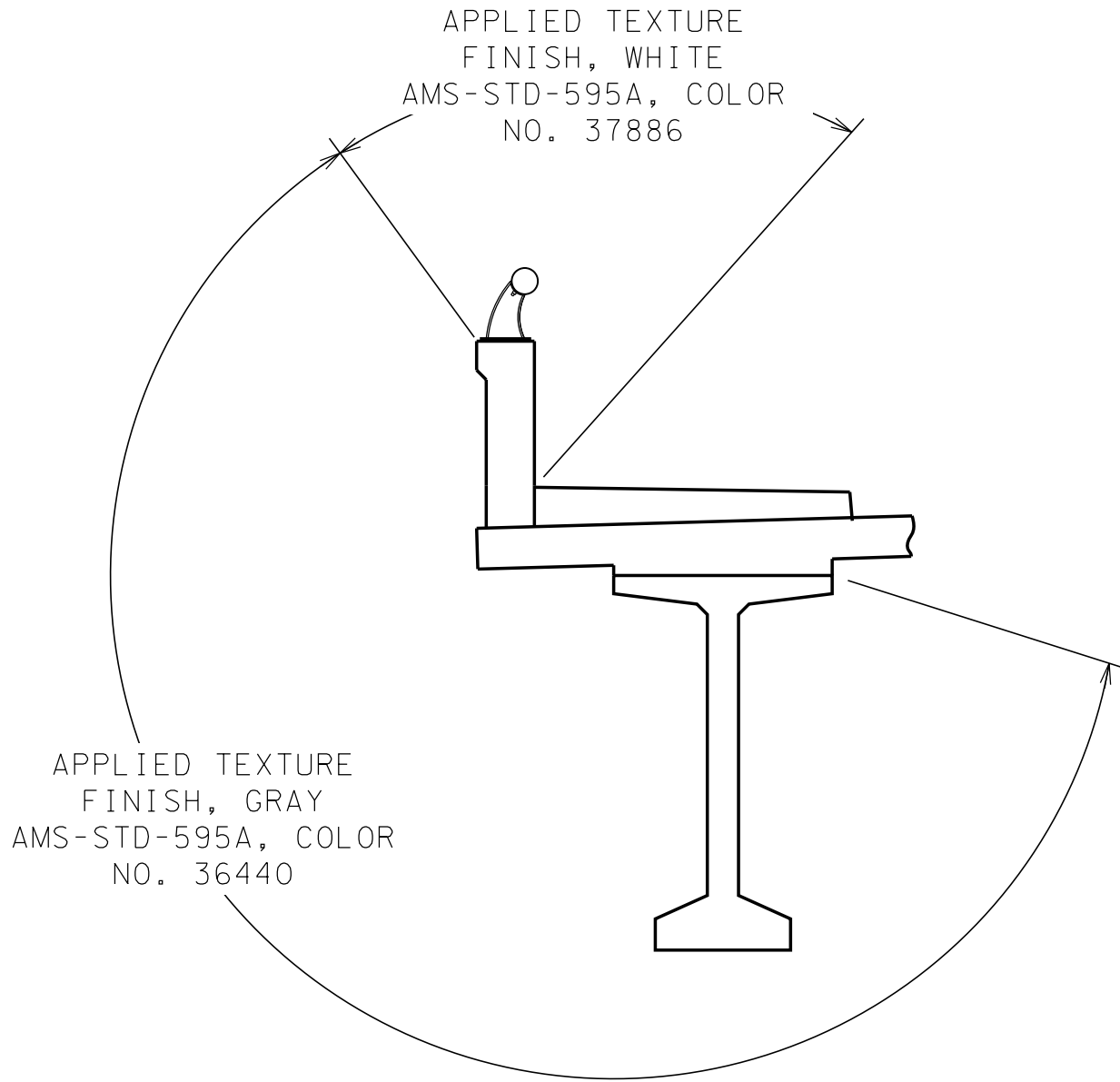
OUR MAINTENANCE RECORDS INDICATE THE BRIDGE WAS ORIGINALLY PAINTED WITH MATERIALS CONTAINING LEAD AND/OR CHROMATES. THE CONTRACTOR IS REQUIRED TO PROCEED ACCORDINGLY TO TAKE ALL MANDATORY SAFEGUARDS PRESCRIBED BY STATE AND FEDERAL LAW FOR BOTH WORKER PROTECTION AND HAZARDOUS MATERIALS DISPOSAL.

CUTTING STEEL WITH LEAD/CHROMATE PAINT:

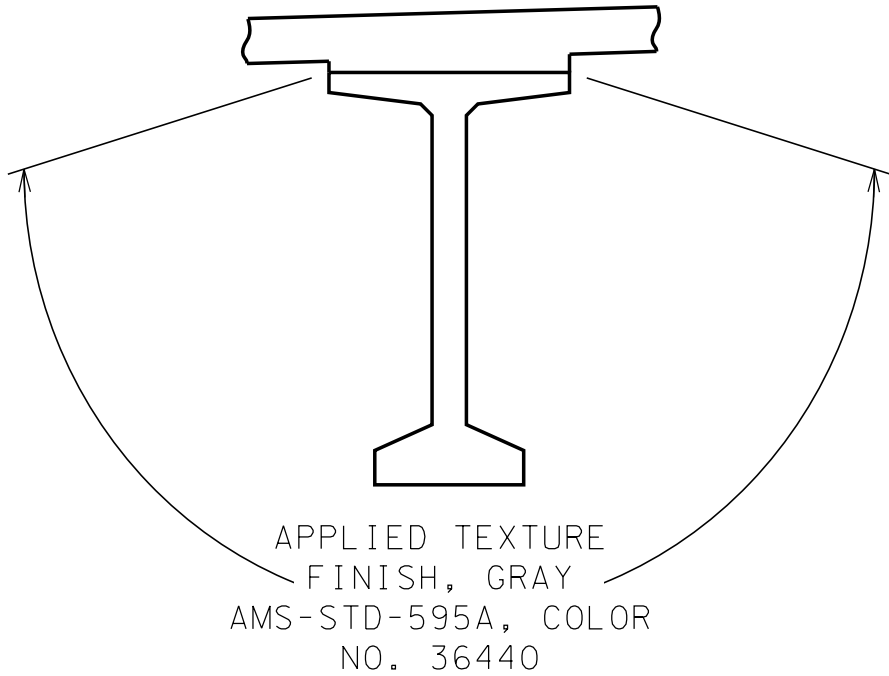
WHEN STRUCTURAL STEEL MEMBERS COATED WITH LEAD AND/OR CHROMATE-BASED PAINTS ARE TO BE SEVERED USING THERMAL CUTTING METHODS, THE AREAS TO BE CUT SHALL FIRST BE CLEANED TO BARE METAL BY ABRASION.

CONDUIT ACROSS BRIDGE:

2" RIGID CONDUIT FOR SIGNAL INTERCONNECT SHALL BE EMBEDDED WITHIN STD-11-1 PARAPET ON THE RIGHT SIDE OF BRIDGE LOOKING FORWARD ALONG SURVEY.



AT EXTERIOR BEAM



AT INTERIOR BEAM

APPLIED TEXTURE FINISH DETAIL

NOTES:

THE CONTRACTOR SHALL USE CONTAINMENT SCREENS OR OTHER MEASURES AS NECESSARY TO PREVENT ANY TEXTURE COATING FROM ENTERING THE ENVIRONMENT. CONTAINMENT MEASURES SHALL BE APPROVED BY THE ENGINEER AND COST SHALL BE INCLUDED IN ITEMS BID ON.

BEFORE APPLYING ANY TEXTURE FINISH, ALL SURFACES SHALL BE COMPLETELY CLEANED OF ALL DEBRIS AND FOREIGN MATERIALS.

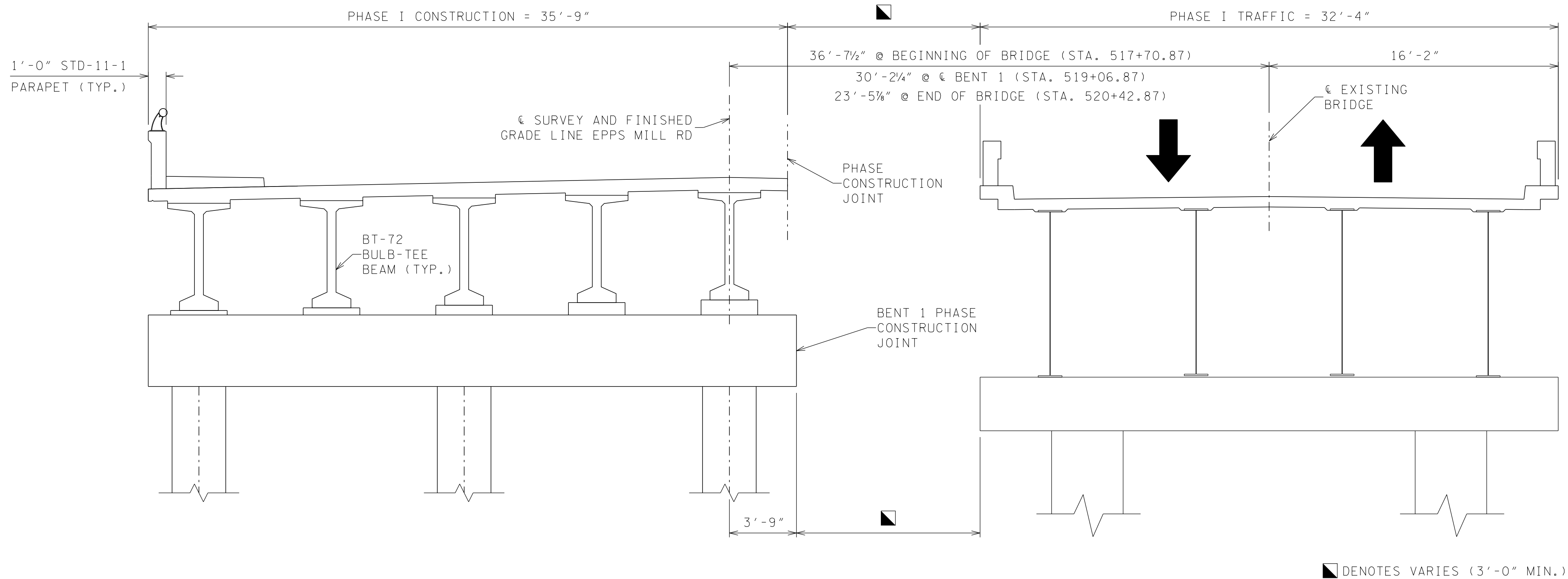
IN ADDITION TO THE SURFACES SHOWN IN THE APPLIED TEXTURE FINISH SKETCH, ALL EXPOSED SURFACES OF THE WINGWALLS, ABUTMENTS, AND BENTS SHALL RECEIVE AN APPLIED TEXTURE FINISH (GRAY, AMS-STD-595A, COLOR NO. 36440).

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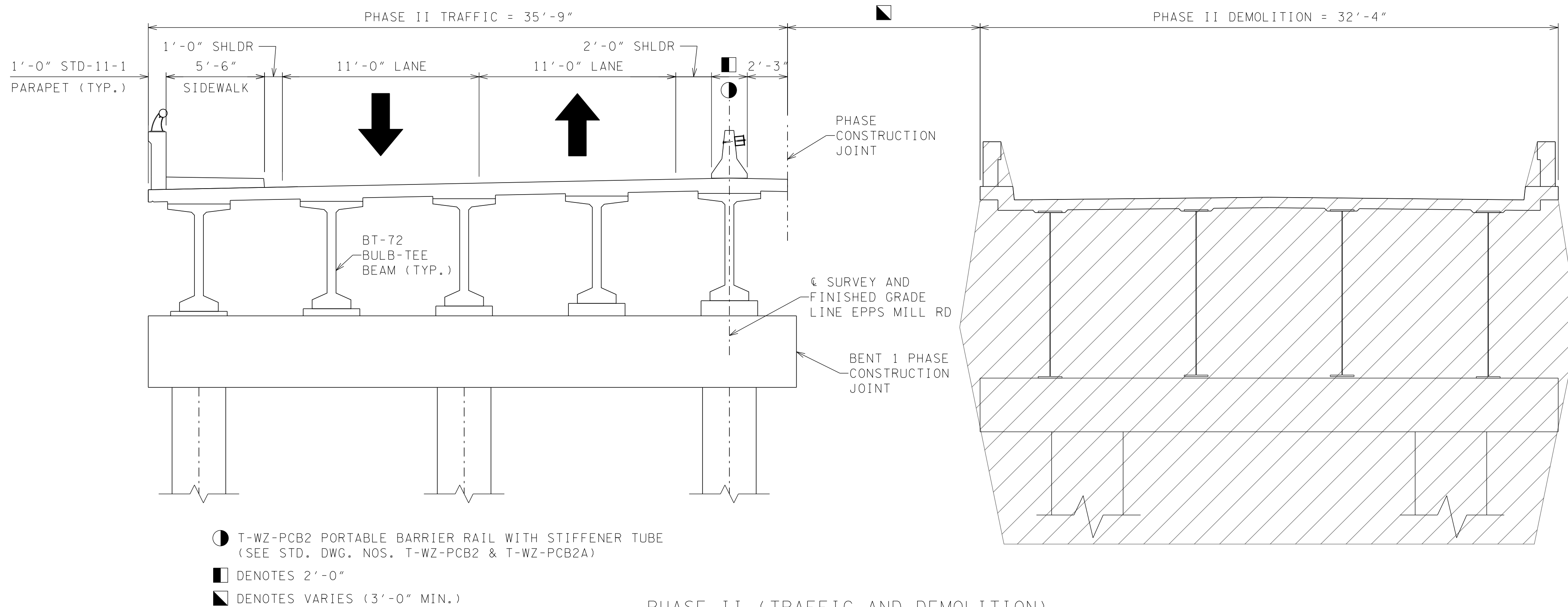
STATE OF TENNESSEE
GENERAL NOTES
PRELIMINARY LAYOUT
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BRIDGE ID NO. 75100240041
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RUTHERFORD COUNTY
2025

DESIGNED BY	CCS	DATE	10/2025
DRAWN BY	CCS	DATE	10/2025
SUPERVISED BY	JMT	DATE	10/2025
CHECKED BY	JMT	DATE	10/2025

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PHASE I (TRAFFIC AND CONSTRUCTION)
LOOKING FORWARD ON SURVEY
NOT TO SCALE



PHASE II (TRAFFIC AND DEMOLITION)
LOOKING FORWARD ON SURVEY
NOT TO SCALE

PROJECT NO.	YEAR	SHEET NO.	
75I024-S1-010	2025	B-4	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

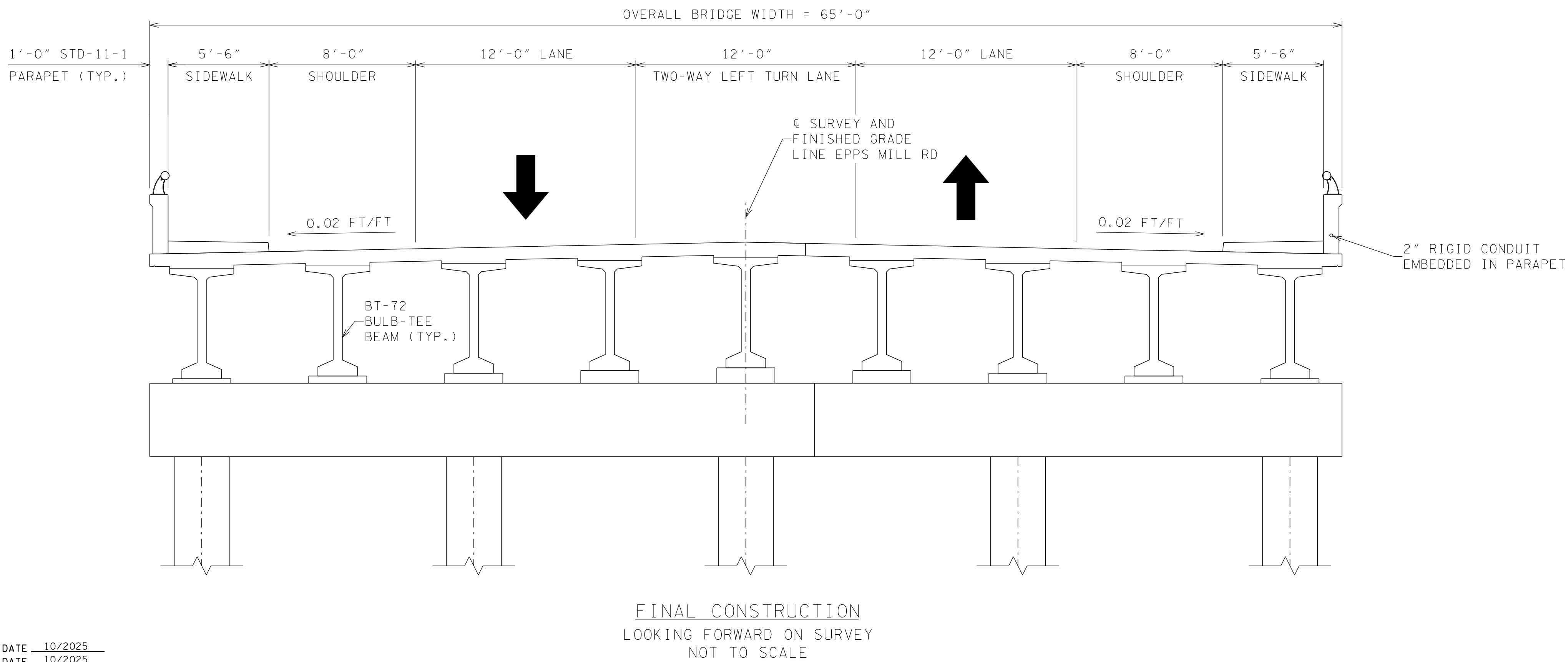
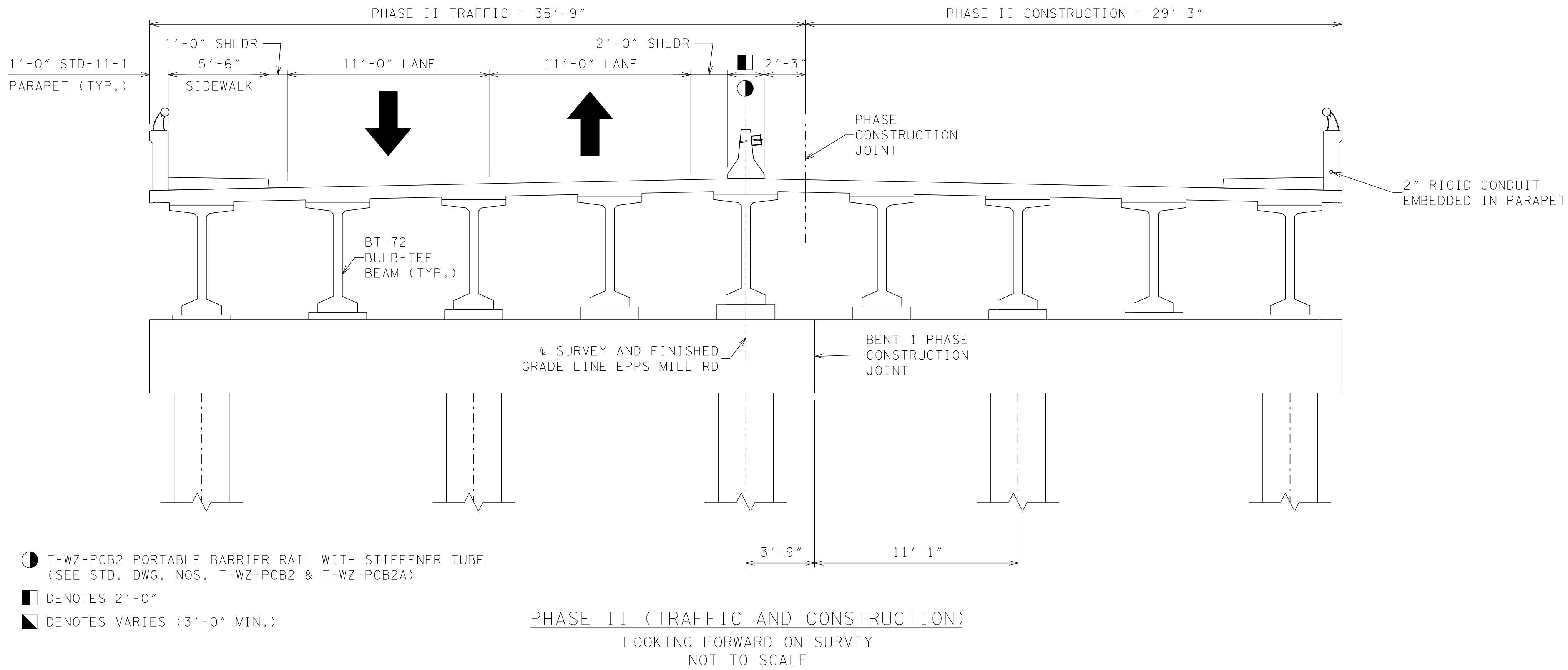
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STATE OF TENNESSEE
PHASE CONSTRUCTION (1 OF 2)
PRELIMINARY LAYOUT
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PROJECT NO.		YEAR	SHEET NO.
75I024-S1-010		2025	B-5
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION



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STATE OF TENNESSEE
PHASE CONSTRUCTION (2 OF 2)
PRELIMINARY LAYOUT
EPPS MILL ROAD
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INTERSTATE 24
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