

6/16/2025 7:45:07 AM Y:\ENGR\HD 5803.090 I-40 OWNER'S REP SMITH COUNTY\BRIDGE\WORK\STEEL OPTION 2\TDOT_STRUCTURES_BORDER.DGN

PE No.: 80I040-S1-009

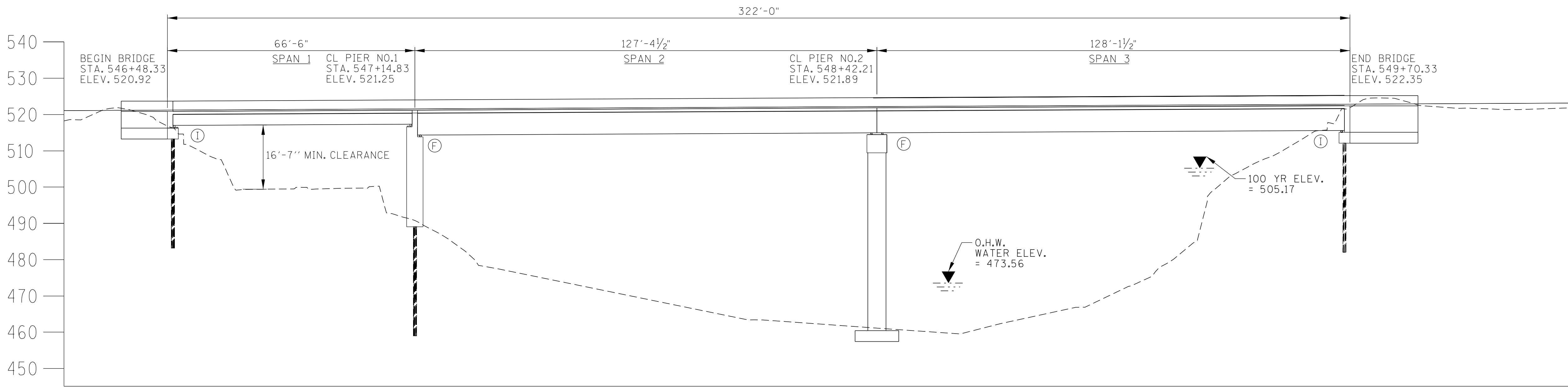
PROJECT NO.		YEAR	SHEET NO.
NH-40-5(161)		2025	1
REVISIONS			
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- ① DENOTES: INTEGRAL
② DENOTES: FIXED

NOTES:
1. STATIONS AND ELEVATIONS SHOWN ARE MEASURED AT THE F.G. LINE I-40.

- SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (JANUARY 1, 2021 EDITION.)
- DESIGN SPECIFICATIONS: AASHTO LRFD 10TH EDITION, 2024, AND THE 2011 AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, EDITION 2 (WITH INTERIMS).
- LOADING: HL-93 LIVE LOADING; SEISMIC CATEGORY A WITH AS=XX, SDS=XX, SD1=XX (1000 YEAR RETURN PERIOD) DEAD LOAD INCLUDES 35 LB/SQ FT. FOR FUTURE WEARING SURFACE.
- CONCRETE: CLASS "A" (CAST IN PLACE) F'C = 3000 PSI, EXCEPT AS NOTED OTHERWISE.
- CLASS "DS" CONCRETE FOR BRIDGE DECK SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.
- REINFORCING STEEL: TO BE ASTM A615 GRADE 60. (EPOXY COAT ALL SLAB STEEL).
- SUPERSTRUCTURE: TO CONSIST OF 3 CONTINUOUS SPANS, 1 SPAN AASHTO TYPE II PRESTRESSED BEAMS AND 2 SPANS AASHTO PRESTRESSED BULB TEE BEAMS WITH COMPOSITE CONCRETE DECK SLAB.
- USE STD-1-1SS PARAPET.
- MACHINE RIP-RAP: MACHINED RIP-RAP SHALL BE CALSS "B" IN ACCORDANCE WITH SECTION 709 OF THE STANDARD SPECIFICATIONS AND SHALL BE MEASURED AND PAID FOR UNDER ITEM 709-05.06.
- TEXTURE COATING: TO BE MOUNTAIN GREY (FED. SPEC. 36440) FOR ALL CONCRETE SURFACES EXCEPT TRAFFIC FACE AND TOP OF PARAPET TO BE PAINTED WHITE (FED. SPEC. 37886).
- BRIDGE EXCAVATION: BASED ON FINAL PROFILE AT ABUTMENTS AND EXISTING GROUND AT BENTS.
- BRIDGE DECK FINISH TO BE IN ACCORDANCE WITH METHOD 3 IN ARTICLE 604.22 OF STANDARD SPECIFICATIONS.
- USE REINFORCED CONCRETE BENTS.



PIN NO.: 131552.01
DESIGN BY: Kip Mayton
DRAWN BY: Tanner Polen
SUPERVISED BY:
CHECKED BY:

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

I-40
OVER CANEY FORK RIVER
BRIDGE I.D. NO. 80I00400035
STATION 548+09, LOG MILE 17.16
SMITH COUNTY
2025

Deed A. K. Mayton
ENGINEER OF STRUCTURES

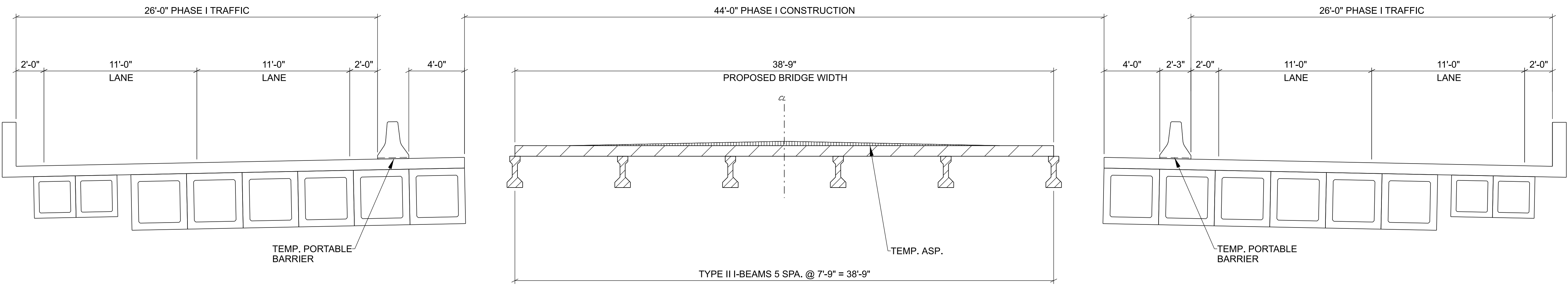
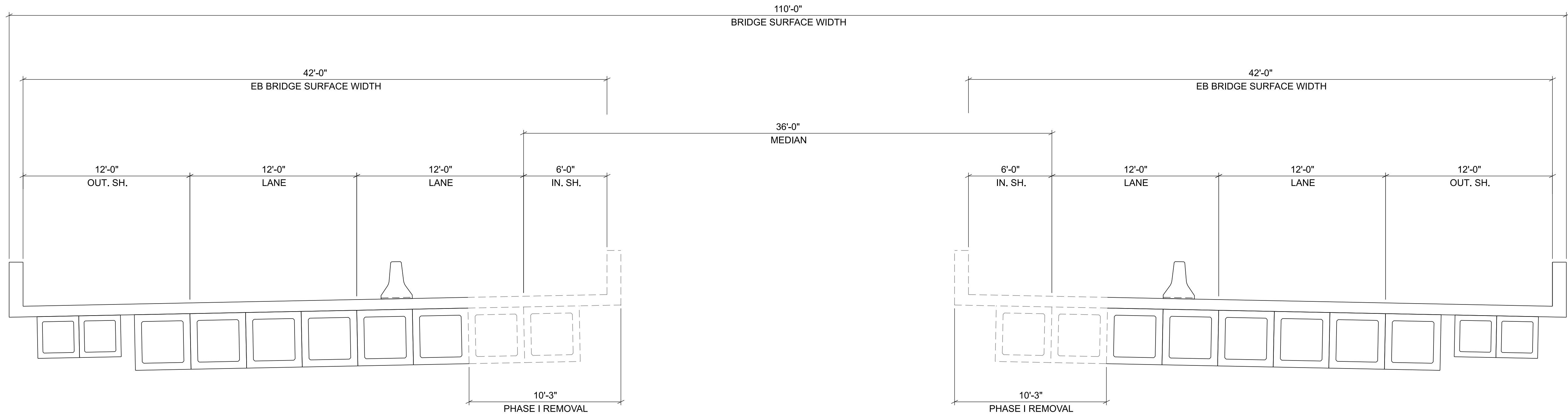
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TYPICAL SECTION

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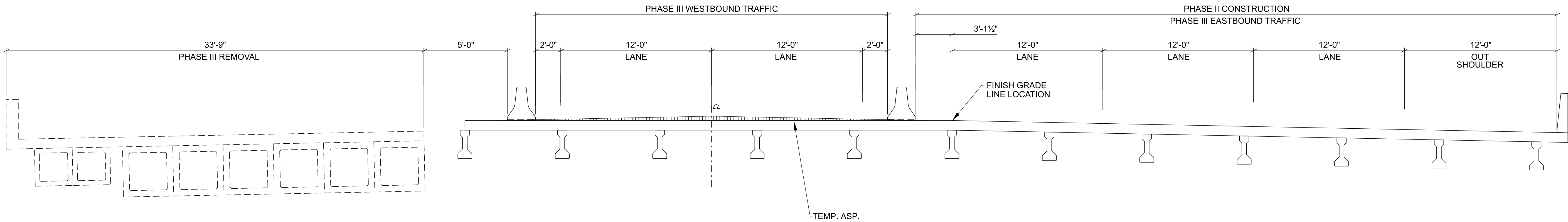
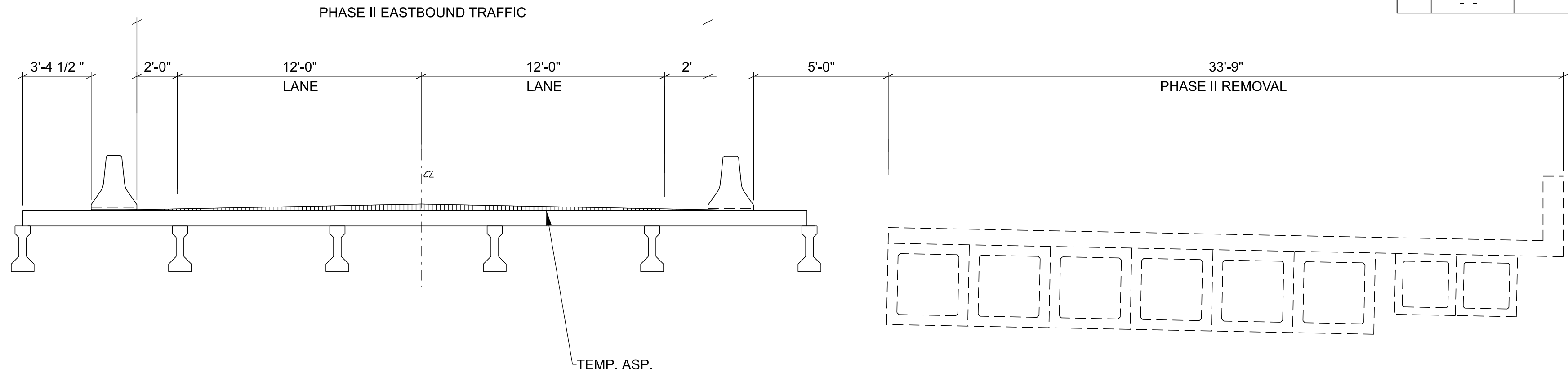
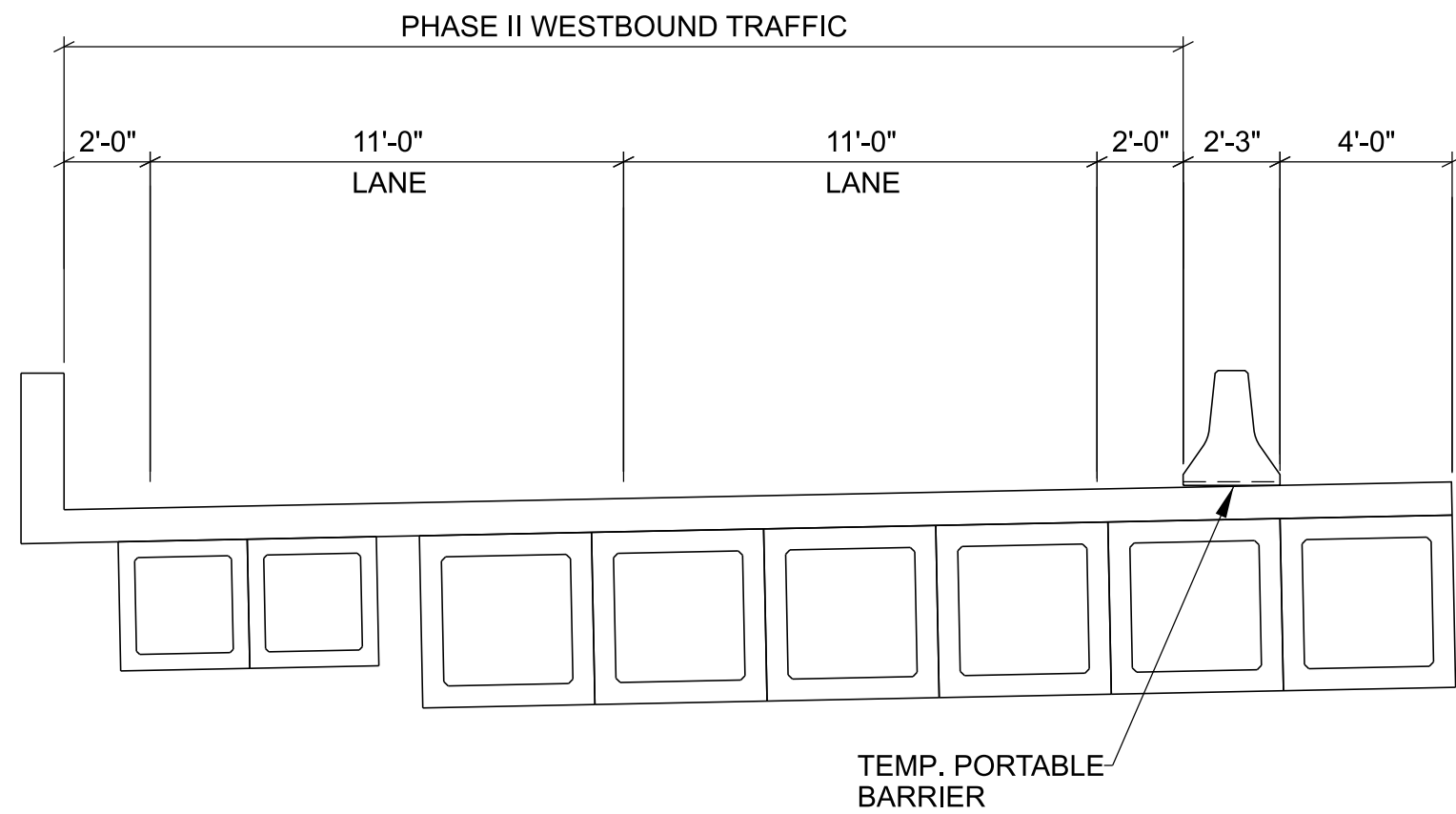
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CONCRETE SPAN 1
TYPICAL SECTION

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2025

Del A. Kniagawaz
ENGINEER OF STRUCTURES

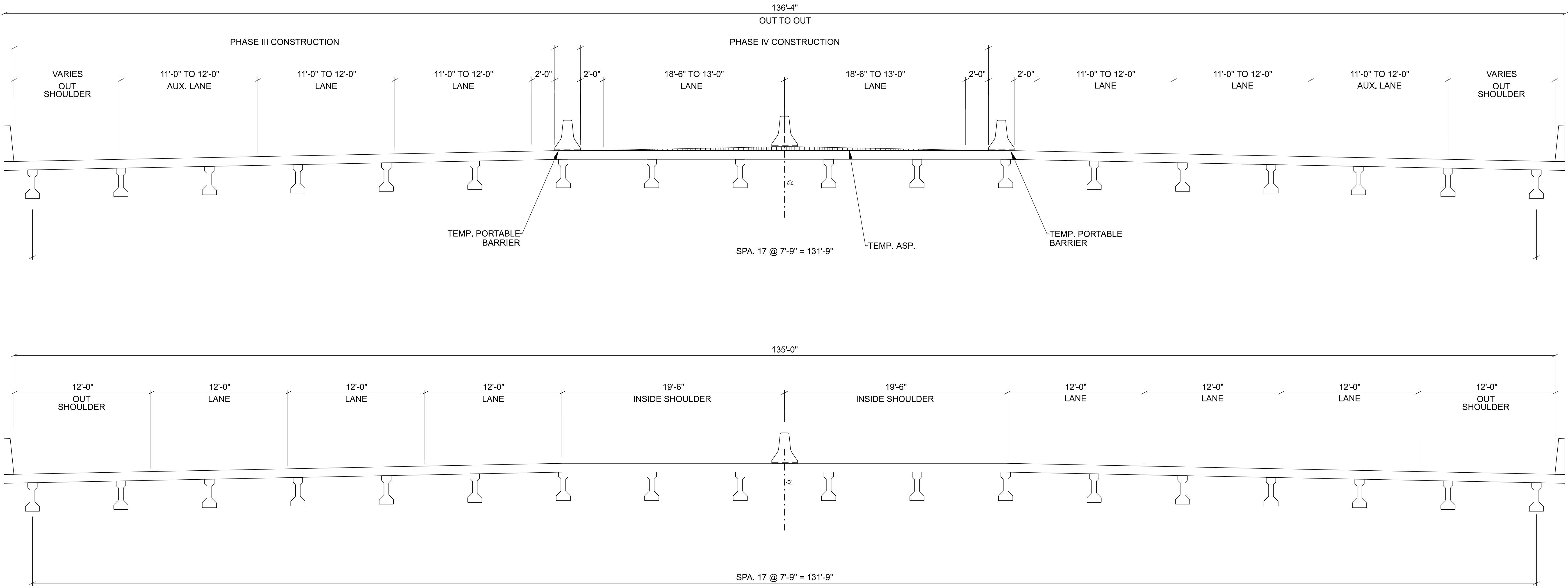
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CONCRETE SPANS 1
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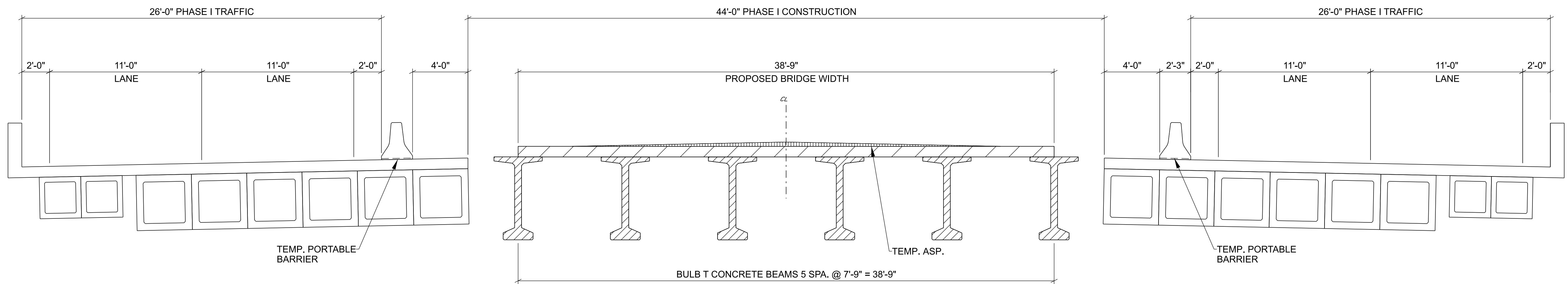
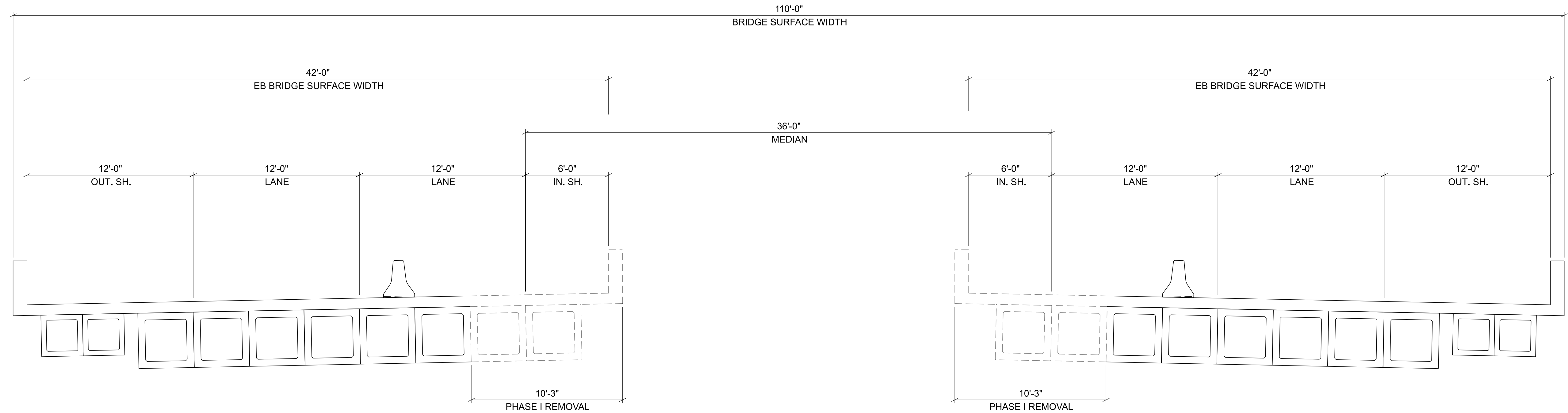
Del A. Kniagawa
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CONCRETE SPANS 2 & 3
TYPICAL SECTION

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Seal
ENGINEER OF STRUCTURES

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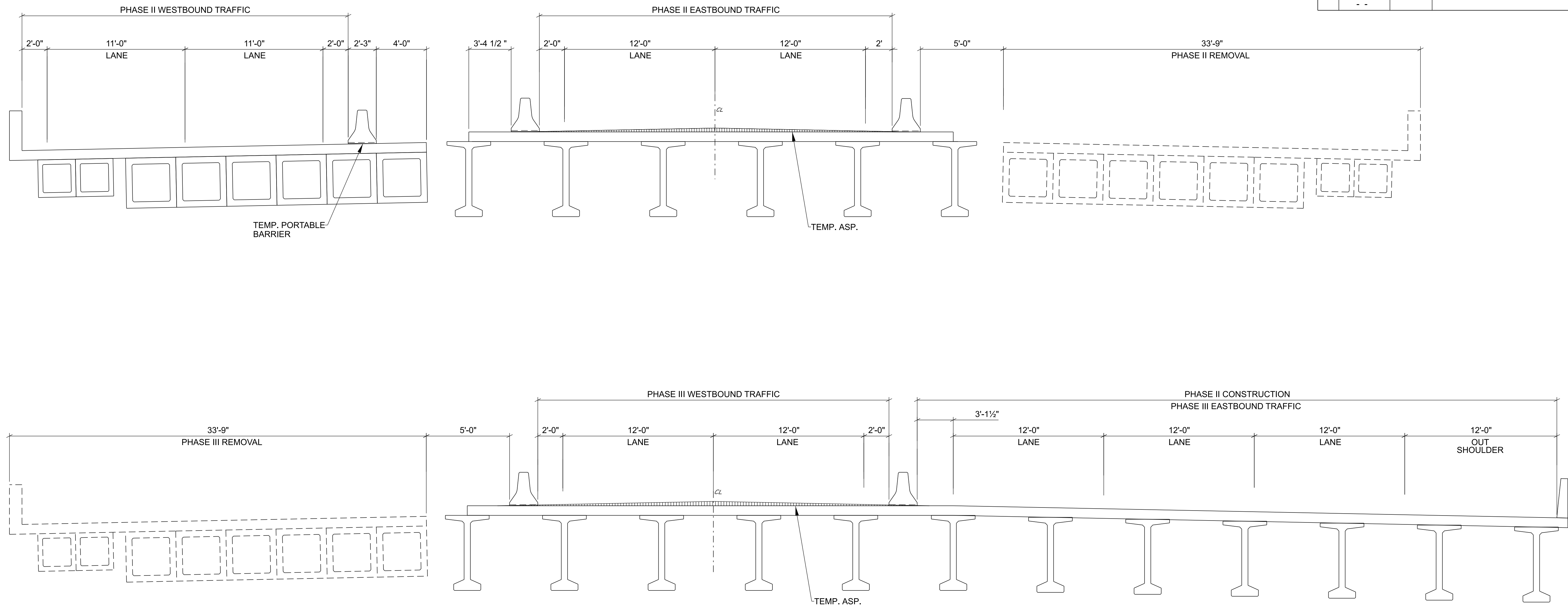
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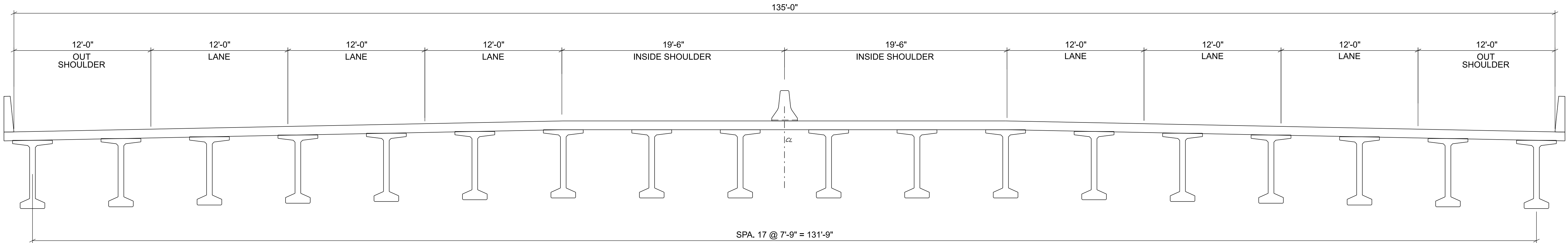
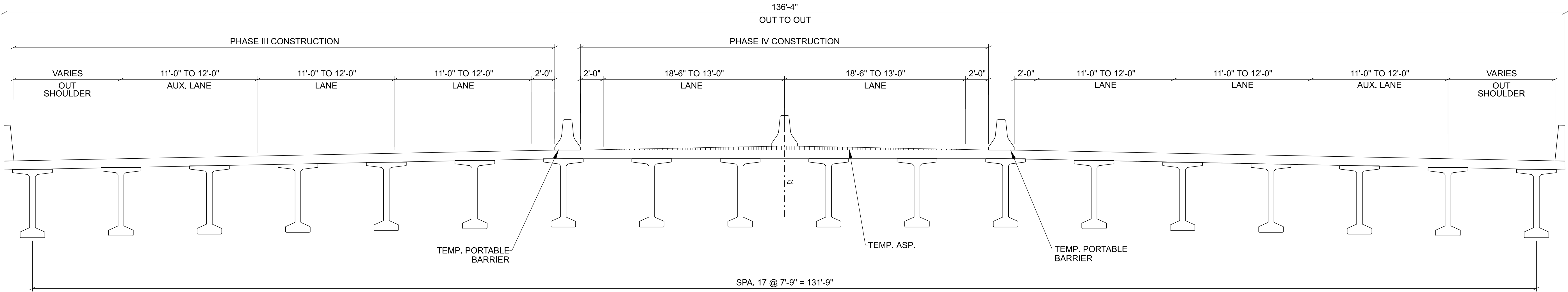
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CONCRETE SPAN 2 & 3
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Del A. Krueger
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