

	UTILITIES

GENERAL NOTES	

[illegible][illegible]

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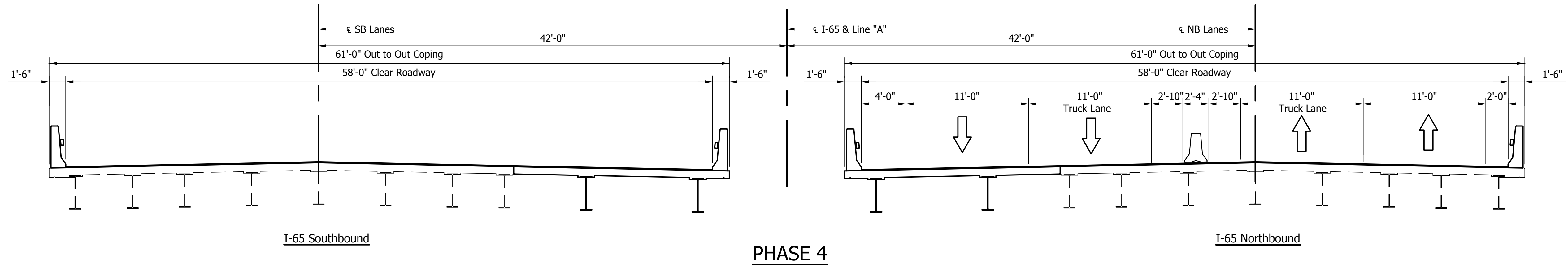
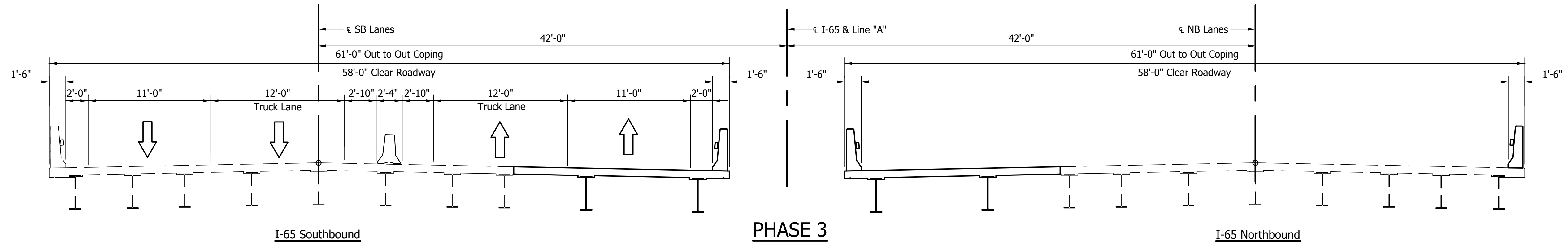
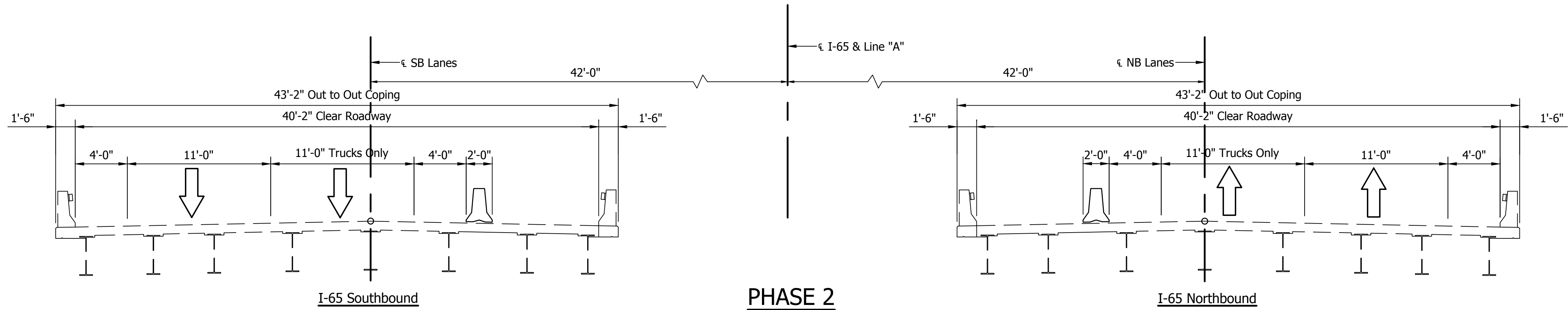
DESIGNED: MRL	DRAWN: DJZ
CHECKED: BSF	CHECKED: MRL

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX
I-65 OVER L & I RAILROAD

HORIZONTAL SCALE	BRIDGE FILE
N/A	I65-056-02284 CNBL & CSBL
VERTICAL SCALE	DESIGNATION
N/A	1592590 & 1592592

SURVEY BOOK	SHEETS		
-	2	of	9
CONTRACT	PROJECT		
R-28940	0501212		



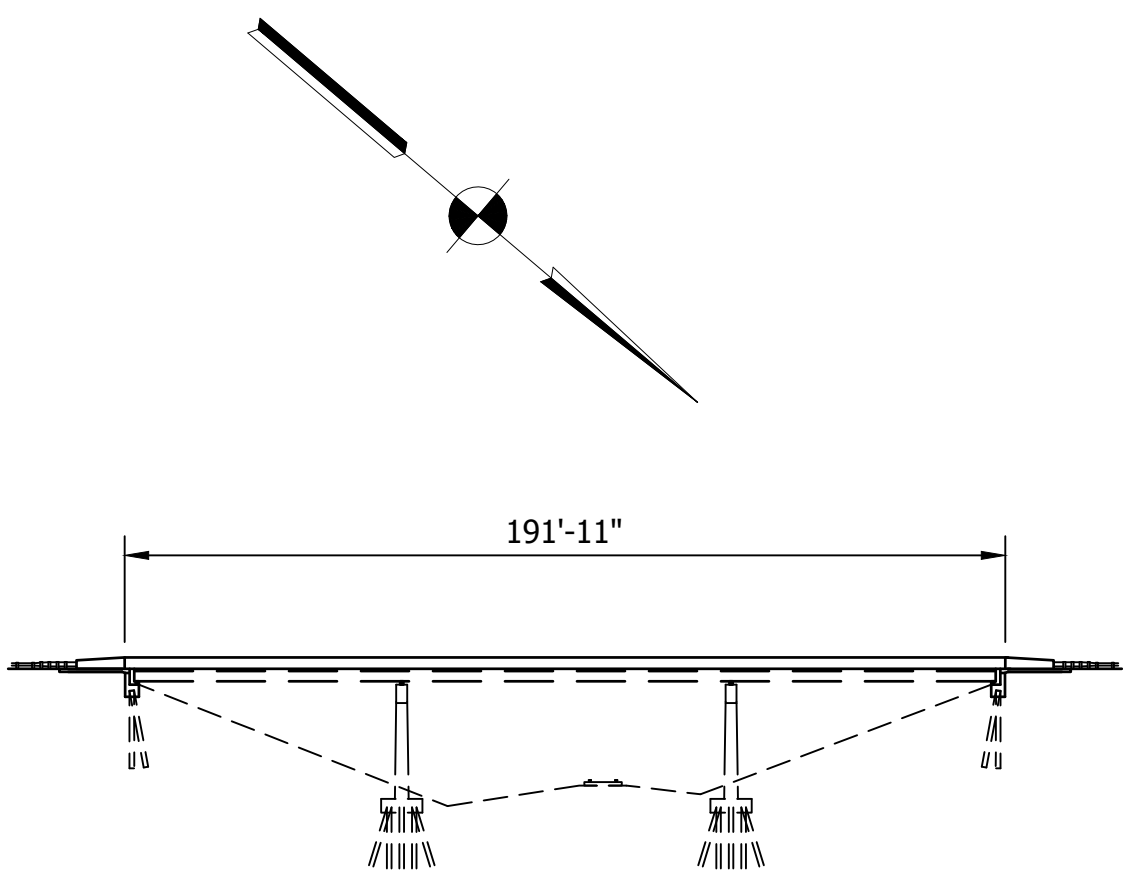
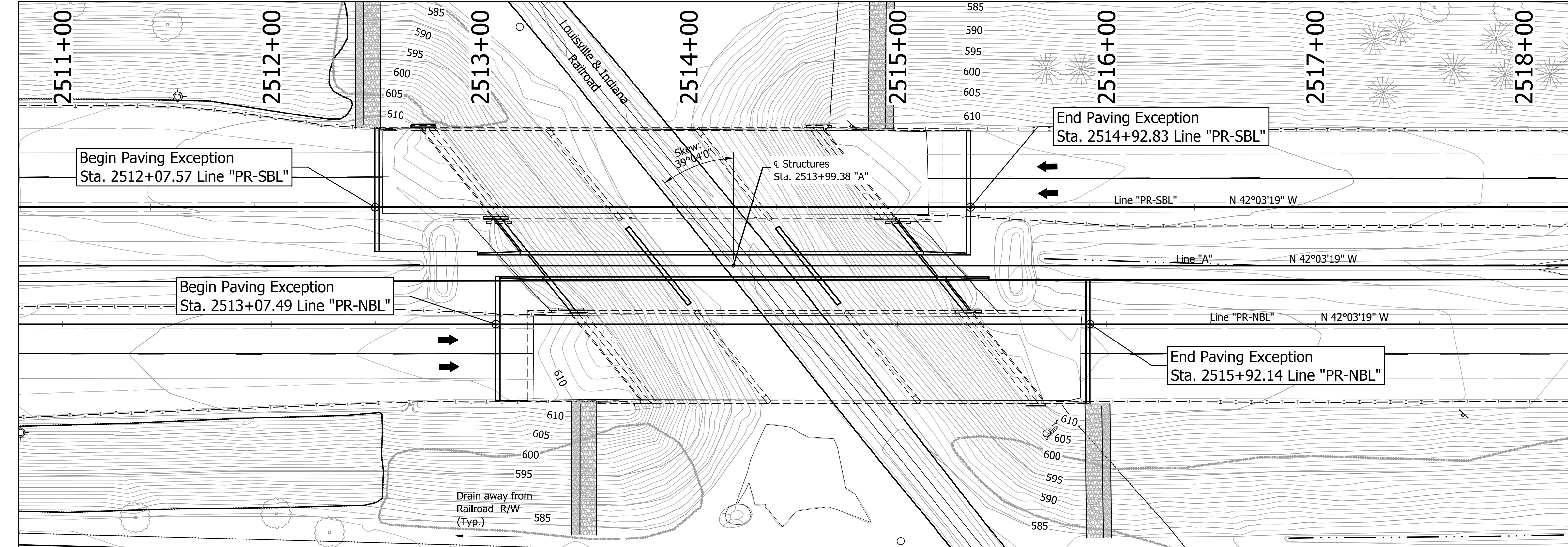
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CHECKED: <u>BSF</u>	CHECKED: <u>MRL</u>

**INDIANA
DEPARTMENT OF TRANSPORTATION**

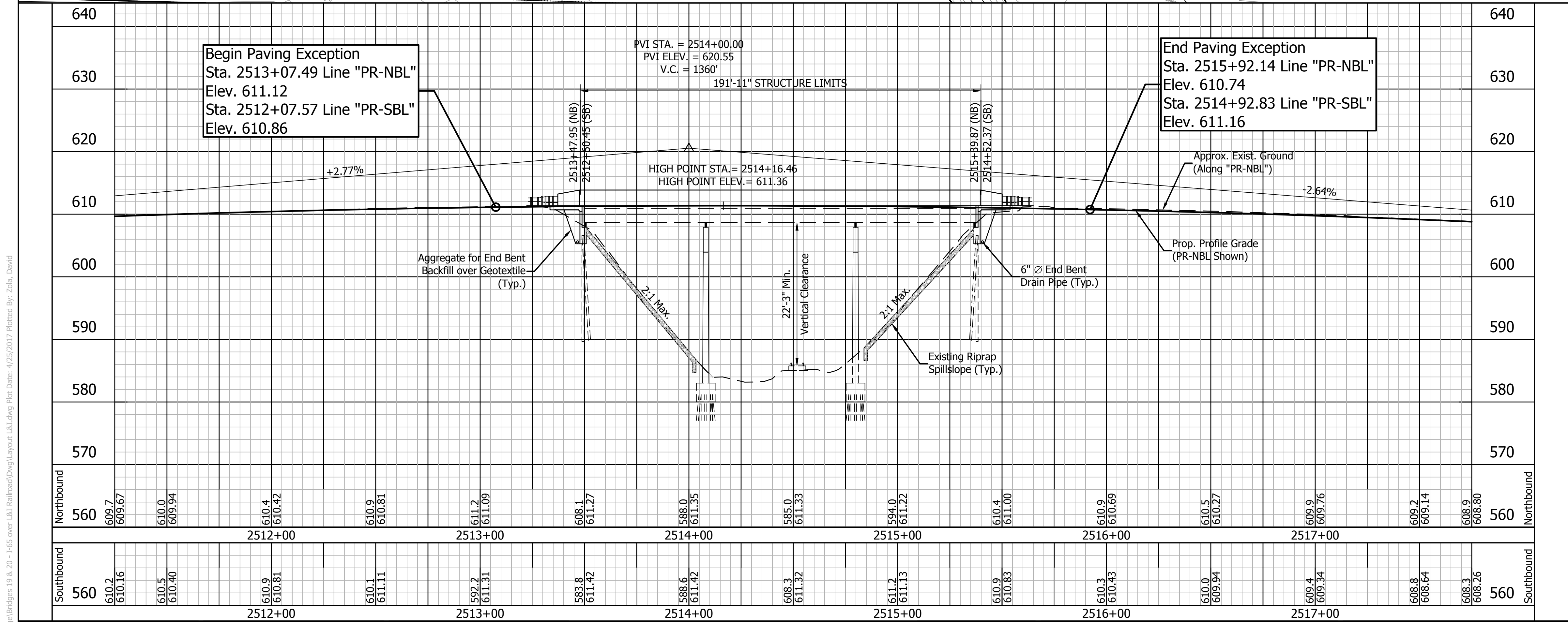
**MAINTENANCE OF TRAFFIC
I-65 OVER L & I RAILROAD**

HORIZONTAL SCALE	BRIDGE FILE
3/16" = 1'-0"	I65-056-02284 CNBL & CSBL
VERTICAL SCALE	DESIGNATION
3/16" = 1'-0"	1592590 & 1592592
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R-28940	0501212



Existing Clear Roadway = 40'-2"
Portions of existing End Bents, Piers, and Bridge
Deck to be removed.

EXISTING STRUCTURE
No Scale



Notes: For R/W, Earthwork Summary, and Additional
Information see Roadway Plans, Des. No. 0501212.

**TWIN CONTINUOUS COMPOSITE STEEL
BEAM BRIDGES**
3 SPANS: 57'-6", 71'-9", 57'-6"
58'-0" CLEAR ROADWAYS
SKEW: 39°04'00" LT.
I-65 OVER LOUISVILLE & INDIANA RAILROAD



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LAYOUT
I-65 OVER L & I RAILROAD

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE I65-056-02284 CNBL & CSBL
VERTICAL SCALE 1" = 10'	DESIGNATION 1592590 & 1592592
SURVEY BOOK -	SHEETS 4 of 9
CONTRACT R-28940	PROJECT 0501212

GENERAL NOTES

- Existing plans for this structure are on file in the records unit of the Indiana Department of Transportation as Bridge File I65-056-02284 BNBL & BSBL.
- Where new work is to be fitted to old work, the Contractor shall check all dimensions and conditions in the field and report any discrepancies to the Engineer and assume responsibility for their correctness and fit of the new part to the old.
- Reinforcing steel covering shall be 2 1/2" in top and 1" min. in bottom of floor slabs, and 2" in all other parts, unless noted.
- Surface seal all exposed surfaces of approach slabs, face of deck coping and outer 6" of the underside of deck.
- Stations shown are from the existing plans on file. The stations will be updated for the proposed alignment for Final Deign.

DESIGN DATA

Designed for HS-20-44 loading in accordance with 2002 AASHTO Standard Specifications for Highway Bridges 17th Edition and all Subsequent Interim Specifications.

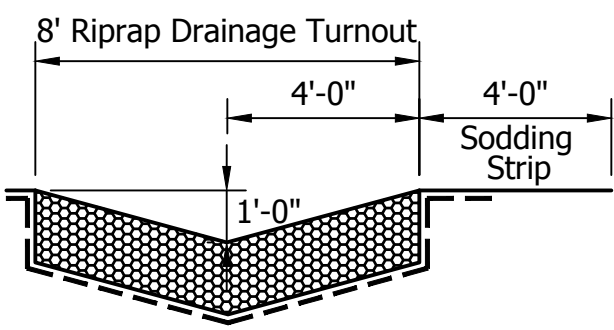
ULTIMATE DESIGN STRESSES

Class "A" Concrete	f'c = 3,500 p.s.i.
Class "B" Concrete	f'c = 3,000 p.s.i.
Class "C" Concrete	f'c = 4,000 p.s.i.
Reinforcing Steel (Grade 60)	fy = 60,000 p.s.i.
Structural Steel ASTM A709 (Grade 50)	fy = 50,000 p.s.i.

LEGEND

- (A) Surface mill the existing bridge deck and perform hydro-demolition to remove any unsound concrete, perform partial and full depth patching of all delaminated areas widen the superstructure and substructure toward the median side, and place a variable depth latex modified or microsilica concrete deck overlay over the entire bridge deck.
- (B) Convert the existing end bents to semi-integral end bents by removing 5 ft of the bridge deck, removing the existing mudwall to the bridge seats, and removing and replacing the existing bearings.
- (C) Patch piers, superstructure, and undersides of deck as necessary to repair all delamination and spalling.
- (D) Remove and replace the existing concrete bridge railing.
- (E) Remove and replace the existing reinforced concrete approach slabs.
- (F) Repair slope erosion and install additional riprap on spill slopes. Extend riprap across median and widen 2' outside bridge deck.
- (G) Clean and regrade existing ditches along the tracks to provide positive drainage.
- (H) Blast clean and prime ends of beams a minimum of 5' beyond the face of the bent.
- (I) Place Snowplowable Pavement Markings.
- (J) Remove existing bridge railing and 1'-6" of Bridge Coping.

Limits of Removal



RIPRAP DRAINAGE TURNOUT

No Scale

TWIN CONTINUOUS COMPOSITE STEEL

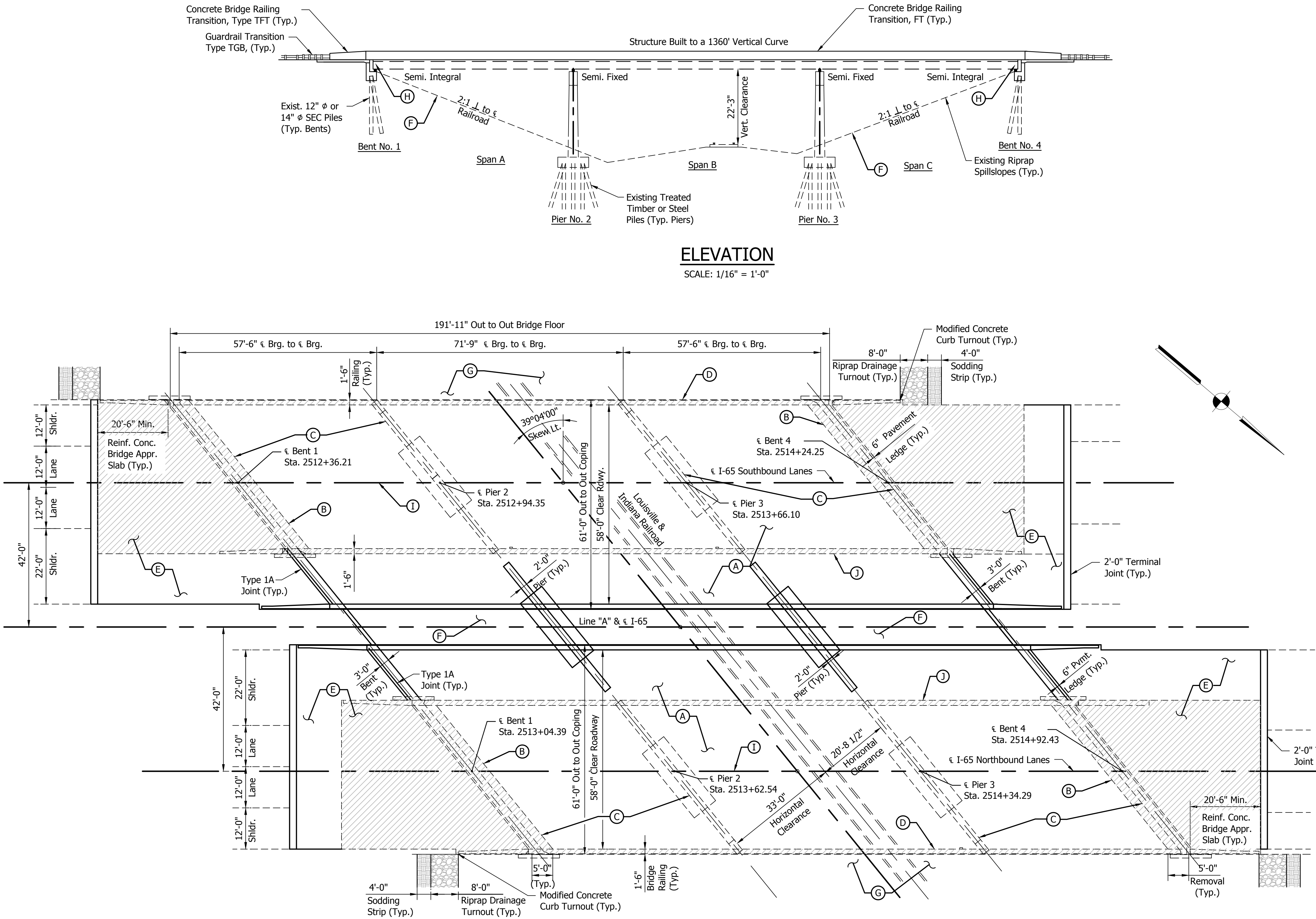
BEAM BRIDGES

3 SPANS: 57'-6", 71'-9", 57'-6"

58'-0" CLEAR ROADWAYS

SKEW: 39°04'00" LT.

I-65 OVER LOUISVILLE & INDIANA RAILROAD



ELEVATION

SCALE: 1/16" = 1'-0"

PLAN

SCALE: 1/16" = 1'-0"



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GENERAL PLAN
I-65 OVER L & I RAILROAD

HORIZONTAL SCALE

AS SHOWN

VERTICAL SCALE

AS SHOWN

BRIDGE FILE

I65-056-02284 CNBL & CSBL

DESIGNATION

1592590 & 1592592

SURVEY BOOK

-

SHEETS

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of

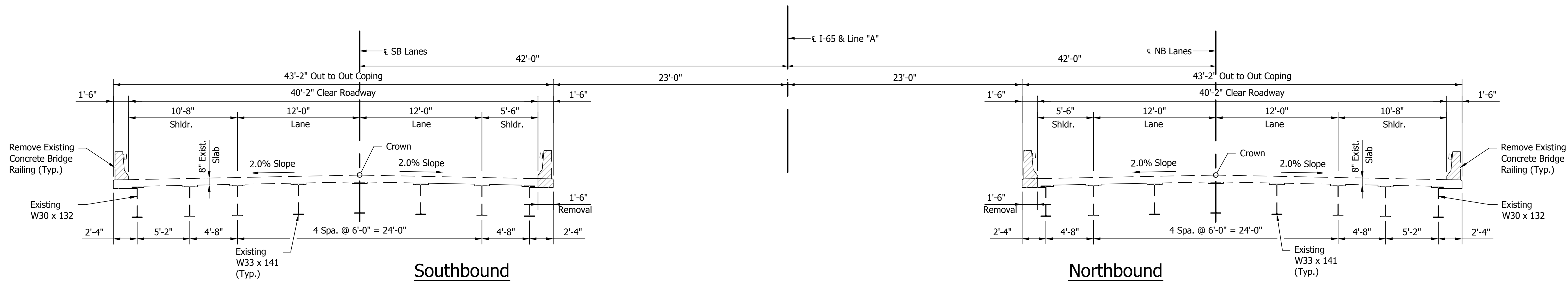
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CONTRACT

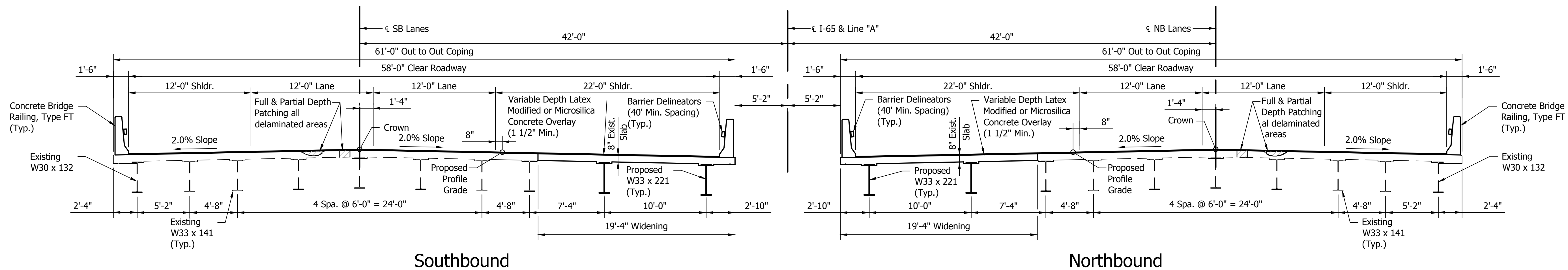
R-28940

PROJECT

0501212



EXISTING TYPICAL SECTION
SCALE: 3/16" = 1'-0"



PROPOSED TYPICAL SECTION
SCALE: 3/16" = 1'-0"

TWIN CONTINUOUS COMPOSITE STEEL
BEAM BRIDGES
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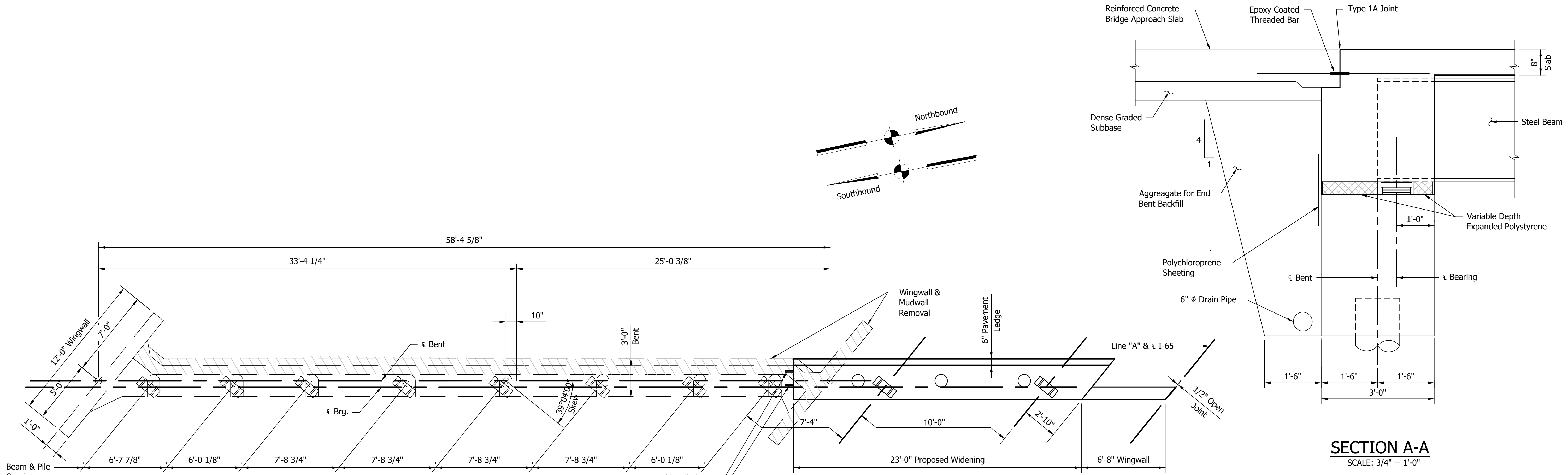
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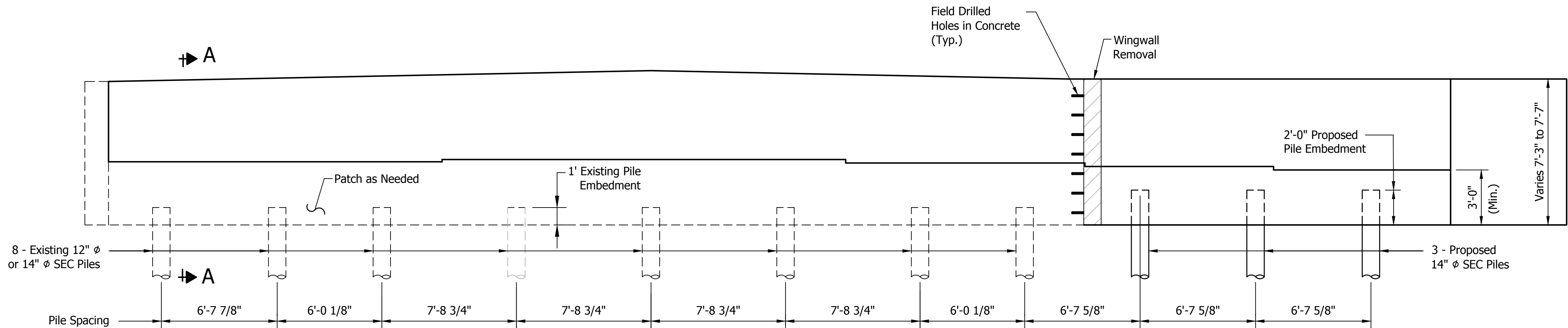
GENERAL PLAN
I-65 OVER L & I RAILROAD

HORIZONTAL SCALE	BRIDGE FILE
AS SHOWN	I65-056-02284 CNBL & CSBL
VERTICAL SCALE	DESIGNATION
AS SHOWN	1592590 & 1592592
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-28940	0501212



TYPICAL BENT PLAN

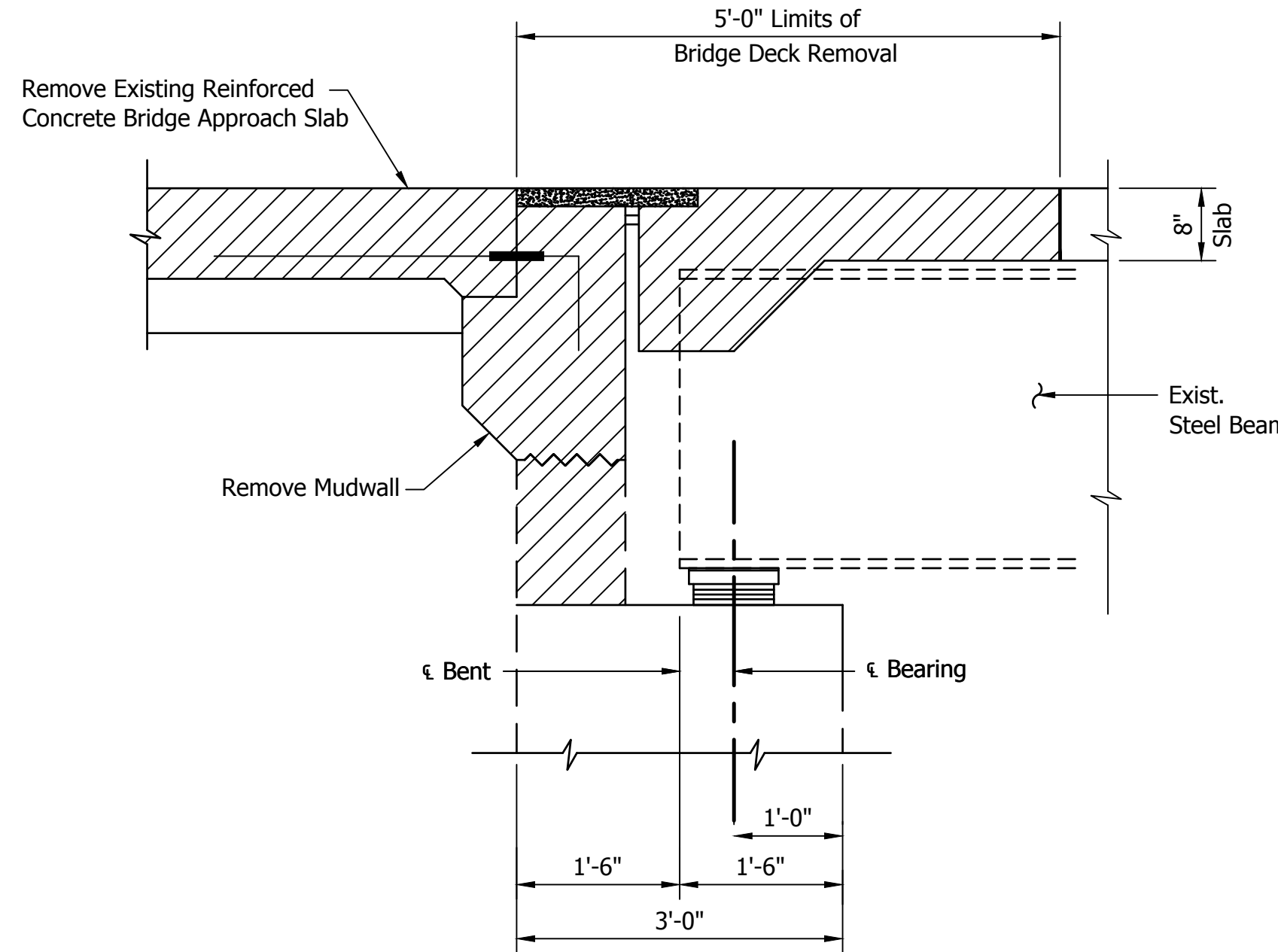
SCALE: 1/4" = 1'-0"
(NB Bent 1 and SB Bent 4 Shown, NB Bent 4 and SB Bent 1 Same by Opposite Hand)



TYPICAL BENT ELEVATION

SCALE: 1/4" = 1'-0"
(NB Bent 1 and SB Bent 4 Shown, NB Bent 4 and SB Bent 1 Same by Opposite Hand)

Limits of Removal



EXISTING REMOVAL SECTION

SCALE: 3/4" = 1'-0"



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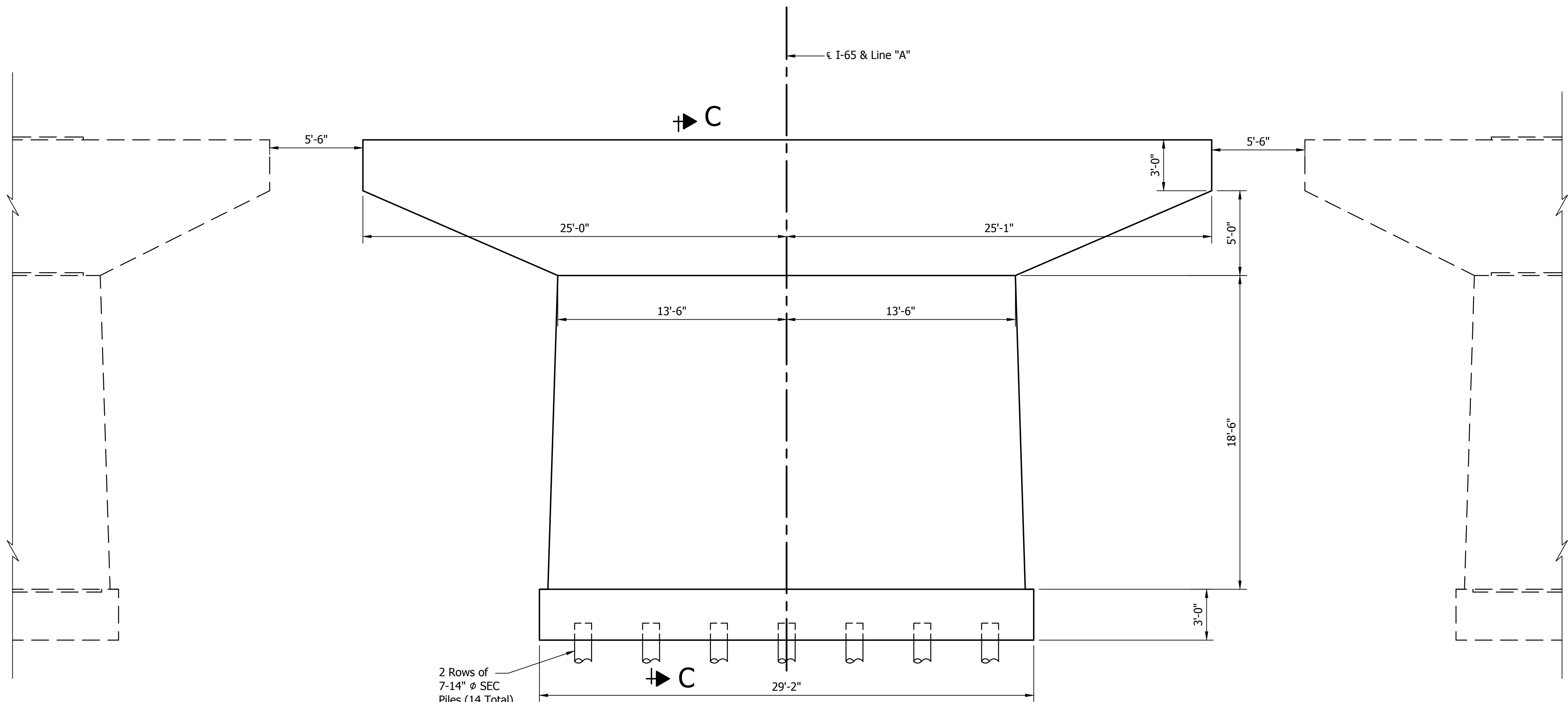
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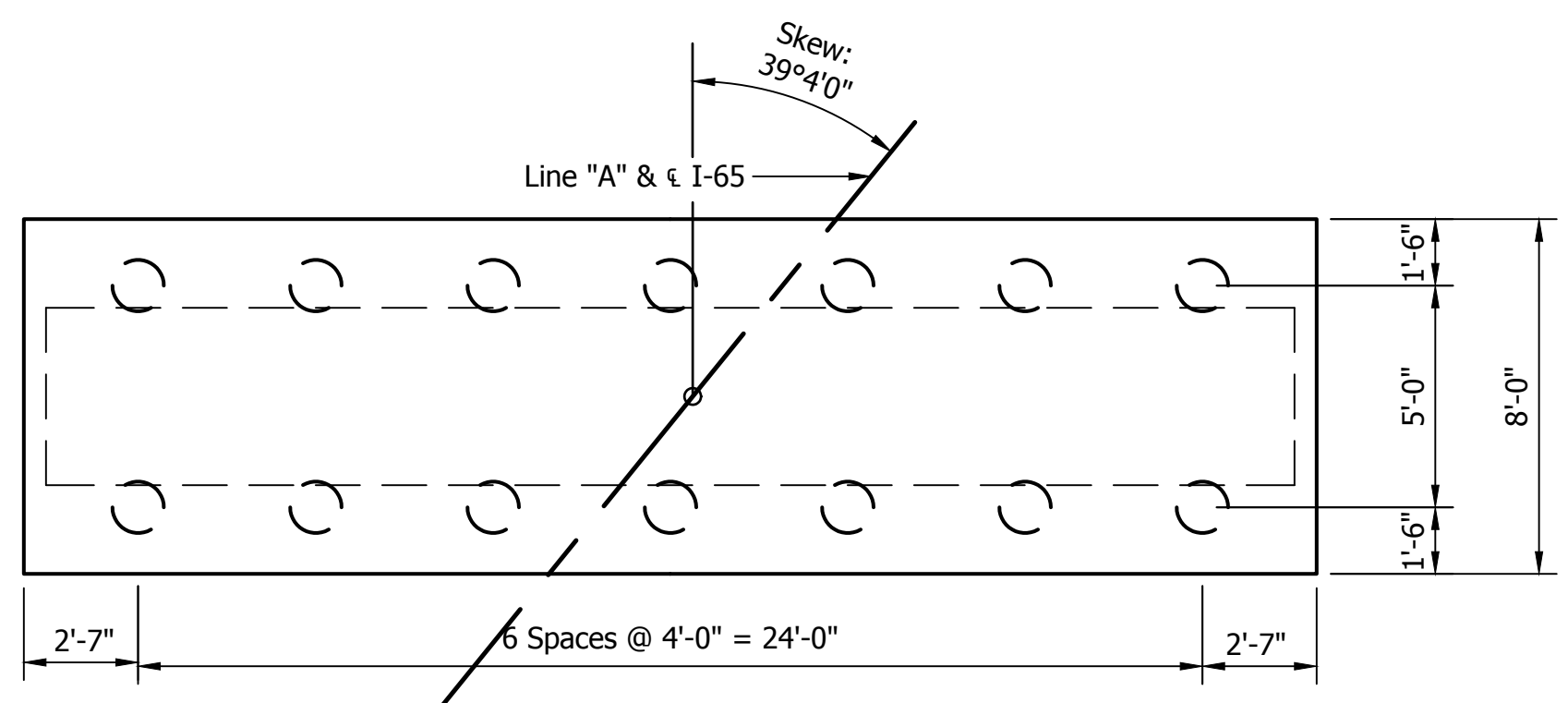
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BENT DETAILS
I-65 OVER L & I RAILROAD

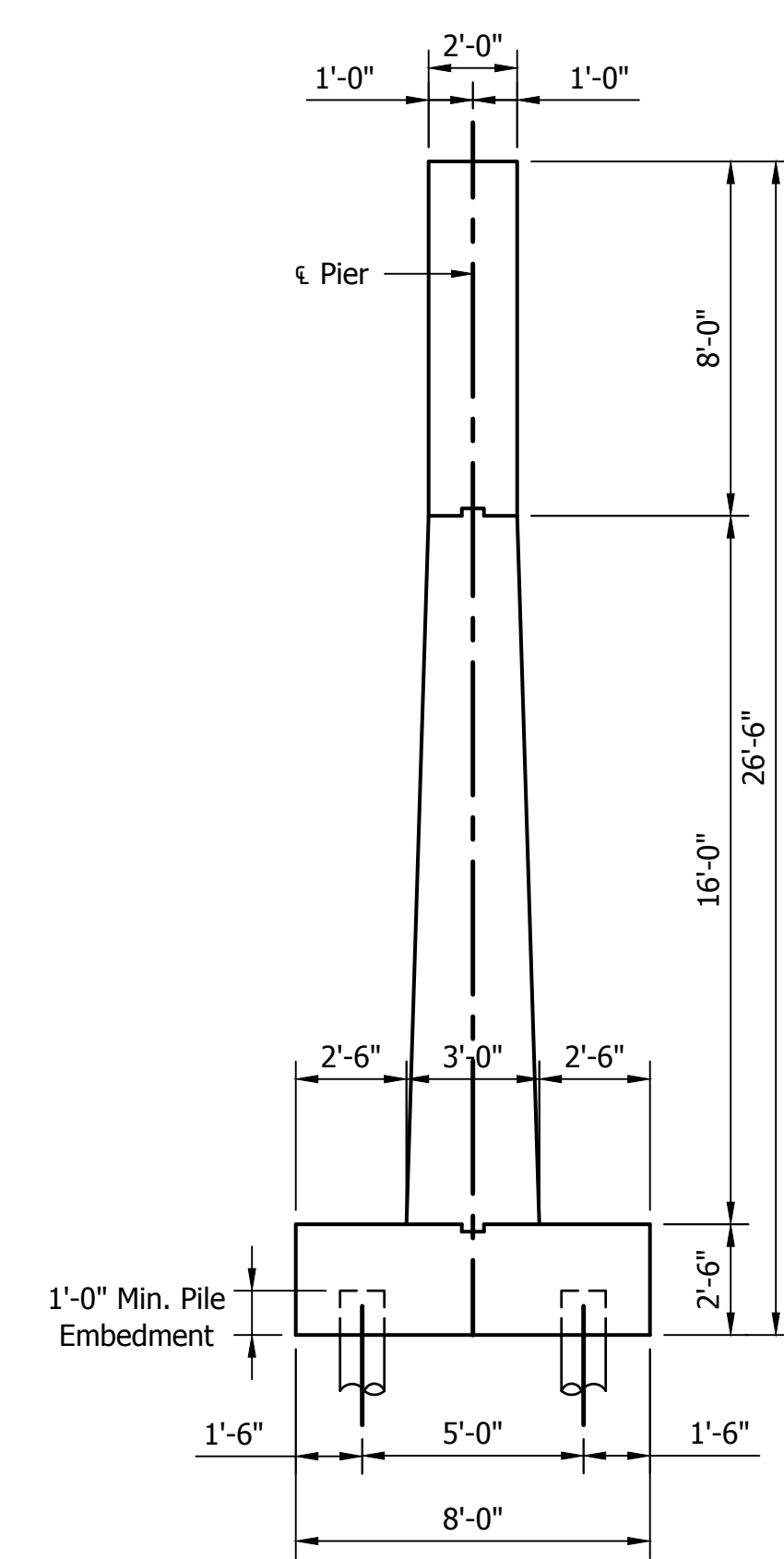
HORIZONTAL SCALE	BRIDGE FILE
AS SHOWN	I65-056-02284 CNBL & CSBL
VERTICAL SCALE	DESIGNATION
AS SHOWN	1592590 & 1592592
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PIER ELEVATION
SCALE: 1/4" = 1'-0"



PIER FOOTING PLAN
SCALE: 1/4" = 1'-0"



SECTION C-C
SCALE: 1/4" = 1'-0"



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PIER DETAILS I-65 OVER L & I RAILROAD

HORIZONTAL SCALE AS SHOWN	BRIDGE FILE I65-056-02284 CNBL & CSBL
VERTICAL SCALE AS SHOWN	DESIGNATION 1592590 & 1592592
SURVEY BOOK -	SHEETS 8 of 9
CONTRACT R-28940	PROJECT 0501212

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INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE SUMMARY TABLE I-65 OVER L & I RAILROAD

SURVEY BOOK	SHEETS		
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CONTRACT	PROJECT		
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