PROJECT	DESIGNATION
1900162	1702617
CONTRACT	BRIDGE FILE
R-42570	I64-121-10787

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE : I-64 WB AT: RP 121+32.40

PROJECT NO. 1702617 P.E.
1900162 R/W
1702617 CONST.

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-121-10787	CONTINUOUS COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE	3 SPANS: 90'-0", 132'-0", 90'-0" SKEW: 45°00'00" RT.	I-64 EB RAMP TO I-265 EB	℄ STA. 2292+17.92 "PR-A-WB"

KIN PROJECT INFORMATION		
DESIGNATION	PROJECT DESCRIPTION	
ROAD		
1900162	Added Travel Lanes on I-64	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
BRIDGE		
1800706	Bridge Painting on US 150 EB over I-64	Str. 1
1800405	Bridge Painting on US 150 WB over I-64	Str. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road	Str. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road	Str. 4
1702617	Bridge Replacement on I-64 WB over I-64 Ramp to I-265 EB	Str. 5A
2200016	Bridge Replacement on I-64 EB over I-64 Ramp to I-265 EB	Str. 5B
1800721	Bridge Replacement on I-64 WB over I-265 Ramp to I-64 EB	Str. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB over I-64 EB to I-265 EB	Str. 7
2200017	Superstructure Replacement on I-64 EB over Captain Frank Road	Str. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road	Str. 9
1702614	Bridge Deck Overlay on I-64 EB & WB over Cherry Street	Str. 10
2000326 / 2000323	Bridge Deck Replacement and Widening on I-265 EB over State Street	Str. 11
2000324	Bridge Deck Overlay on I-265 WB over State Street	Str. 12
1700205	I-64 WB over SR62 / SR 64	Str. 14
1700206	I-64 EB over SR62 / SR 64	Str. 13
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	Str. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	Str. 16
2002072	US 150 EB over Little Indian Creek	Str. 18
2002073	US 150 WB over Little Indian Creek	Str. 19
2200719	I-64 EB & WB over SR 62 / Spring Street	Str. 20
2200178	I-64 WB Off-Ramp to Spring over I-64 WB On-Ramp from Spring	Str. 21
DRAINAGE		
TBD	US 150 Twin Arch Pipe Liner	Str. 17
TBD	Valley View Creek (6 Small Structure and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

NOTE TO REVIEWER

THE LIST OF KIN'D PROJECTS IS TENTATIVE AND SUBJECT TO CHANGE AT INDOT SEYMOUR DISTRICT'S DIRECTION. THIS LIST REPRESENTS THE CURRENT UNDERSTANDING OF THE CONTRACT PACKAGE.

NOTE TO REVIEWER

PLEASE SEE CORRESPONDENCE FILE FOR DOCUMENTATION OF DESIGN DECISIONS

STAGE 2 PLANS

BRIDGE REPLACEMENT ON I-64 WB OVER I-64 EB TO I-265 EB RAMP
LOCATED 2.11 MILES EAST OF US 150 IN
SECTION 33, T-2-S, R-6-E, NEW ALBANY TOWNSHIP, FLOYD COUNTY, INDIANA

BEGIN CONSTRUCTION
PROJECT NO. 1900162
STA. 1025+38.31
LINE "PR-U-WB"

BEGIN PROJECT
PROJECT NO. 1900162
STA. 1180+86.02
LINE "PR-A-EB"

END CONSTRUCTION
PROJECT NO. 1900162
STA. 2077+97.42
LINE "PR-L-EB"

BRIDGE FILE NO. I64-121-10787
I-64 WB OVER I-64 EB TO I-265 EB RAMP
STA. 2292+17.92 "PR-A-WB"

END PROJECT
PROJECT NO. 1900162
STA. 1393+50.00
LINE "PR-A-EB"

LOCATION MAP
FLOYD COUNTY

TRAFFIC DATA		I-64 WB MAINLINE	I-64 EB TO I-265 EB
A.A.D.T.	(2019)	18,050 V.P.D.	16,500 V.P.D.
A.A.D.T.	(2046)	24,500 V.P.D.	22,650 V.P.D.
D.H.V	(2046)	3,450 V.P.H.	1,290 V.P.H.
DIRECTIONAL DISTRIBUTION		100%	100%
TRUCKS		13%	8%
		5% D.H.V.	9% D.H.V.

DESIGN DATA		
DESIGN SPEED	70 M.P.H.	55 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	INTERSTATE	RAMP
RURAL/URBAN	URBAN	URBAN
TERRAIN	ROLLING	ROLLING
ACCESS CONTROL	FULL	FULL

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°18'07" N LONGITUDE: 85°51'05" W

BRIDGE LENGTH: 0.060 MI.
ROADWAY LENGTH: * MI.
TOTAL LENGTH: * MI.
MAX. GRADE: 3.05 %

* SEE DES NO. 1900162

12-DIGIT HYDROLOGIC UNIT CODE: 051401010904

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS

HNTB CORPORATION
THE HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS

111 MONUMENT CIRCLE
SUITE 1200
INDIANAPOLIS, IN 46204

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: HNTB INDIANA, INC (317) 636-4682 PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ DATE
INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE FILE
I64-121-10787
DESIGNATION
1702617

SURVEY BOOK	SHEETS TTL-01
ELECTRONIC	1 of 34
CONTRACT	PROJECT
R-42570	1900162

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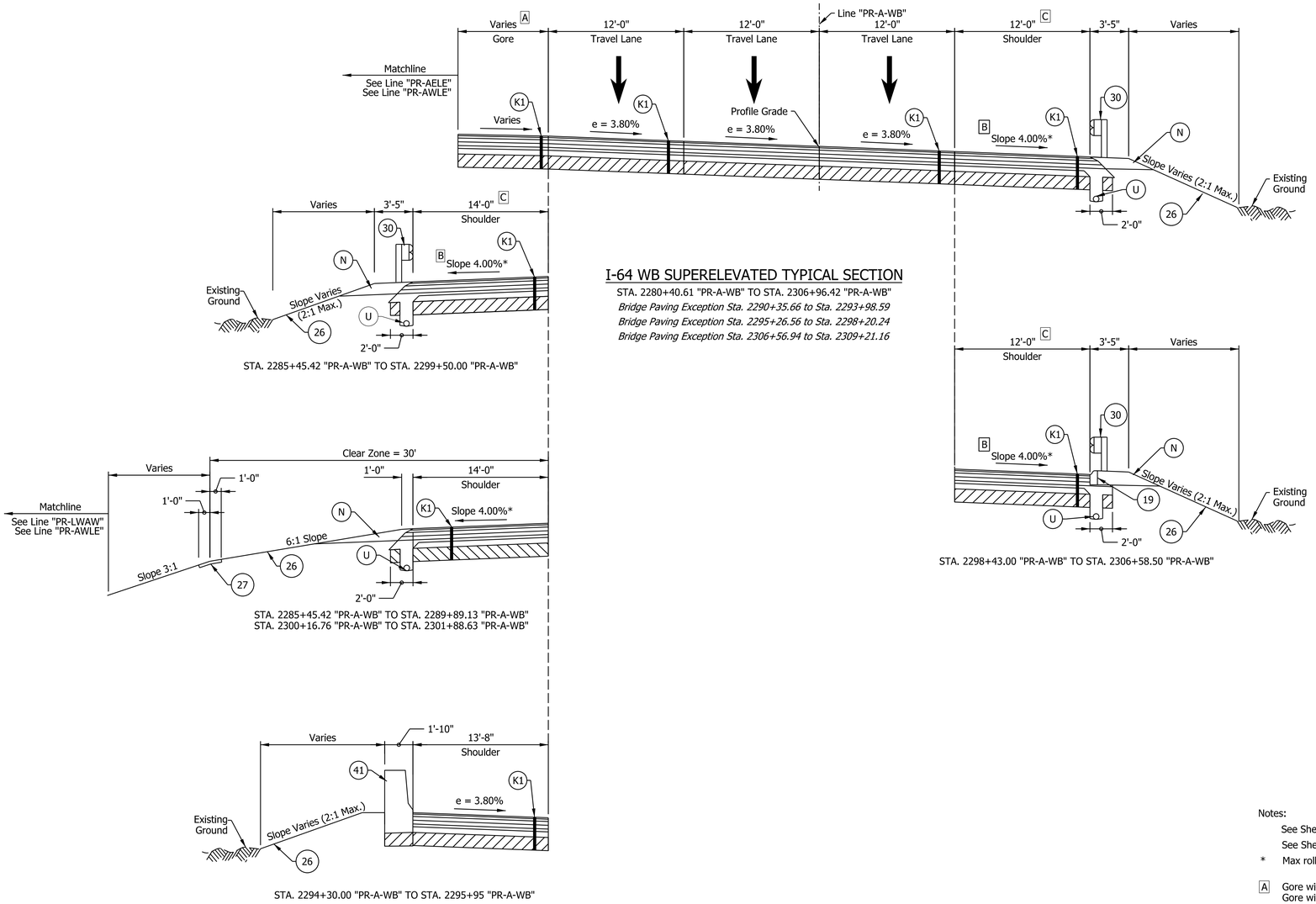

I-64 WB SUPERELEVATED TYPICAL SECTION

STA. 2280+40.61 "PR-A-WB" TO STA. 2306+96.42 "PR-A-WB"

Bridge Paving Exception Sta. 2290+35.66 to Sta. 2293+98.59
Bridge Paving Exception Sta. 2295+26.56 to Sta. 2298+20.24
Bridge Paving Exception Sta. 2306+56.94 to Sta. 2309+21.16

STA. 2285+45.42 "PR-A-WB" TO STA. 2299+50.00 "PR-A-WB"

STA. 2298+43.00 "PR-A-WB" TO STA. 2306+58.50 "PR-A-WB"

STA. 2285+45.42 "PR-A-WB" TO STA. 2289+89.13 "PR-A-WB"
STA. 2300+16.76 "PR-A-WB" TO STA. 2301+88.63 "PR-A-WB"

STA. 2294+30.00 "PR-A-WB" TO STA. 2295+95 "PR-A-WB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

* Max rollover between shoulder and travel lane not to exceed 8%.

A Gore width varies from 0'-0" at Sta. 2280+40.61 to 25'-0" at Sta. 2285+45.42
Gore width varies from 30'-0" at Sta. 2301+88.63 to 0'-0" at Sta. 2306+96.82

B Shoulder slope to rotate to match adjacent lane slope on the bridges over the interior system interchange ramps and Captain Frank Road.

C Right shoulder width shall be 12'-4" from Sta. 2290+12.15 to Sta. 2298+43.00

FOR INFORMATION ONLY

NOTE TO REVIEWER
Coordination with Geotech is in progress.
Retaining Wall Details will be
Refined in future Submittals

NOTE TO REVIEWER
2-foot lane extensions at the shoulders will be reviewed and implemented where applicable in a future submittal.

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: CGR

CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 WESTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	I64-121-10787
VERTICAL SCALE	DESIGNATION
N/A	1702617
SURVEY BOOK	SHEETS TS-13
ELECTRONIC	3 of 34
CONTRACT	PROJECT
R-42570	1900162

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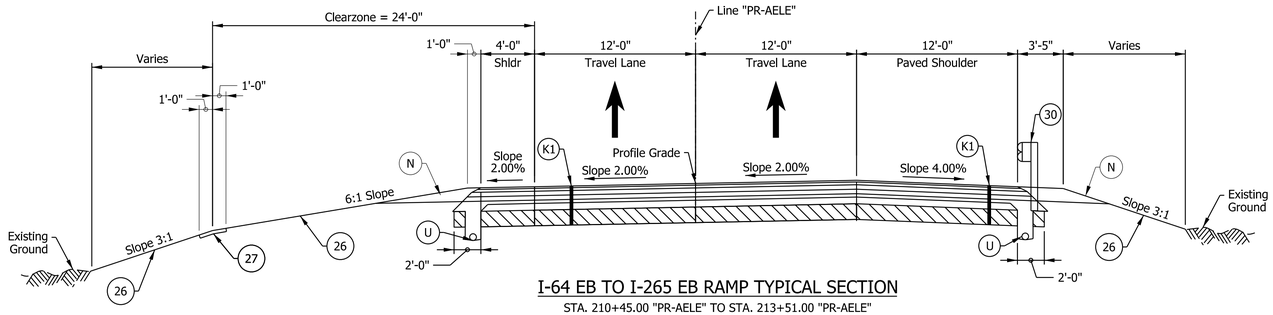
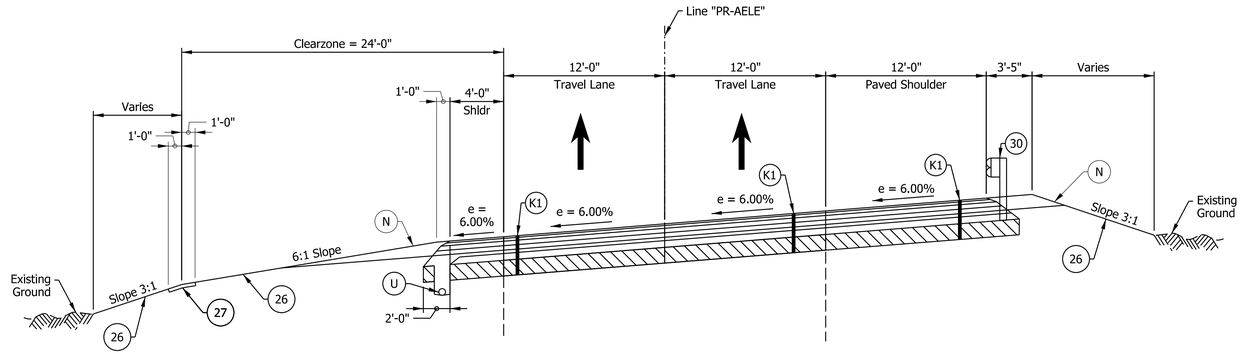


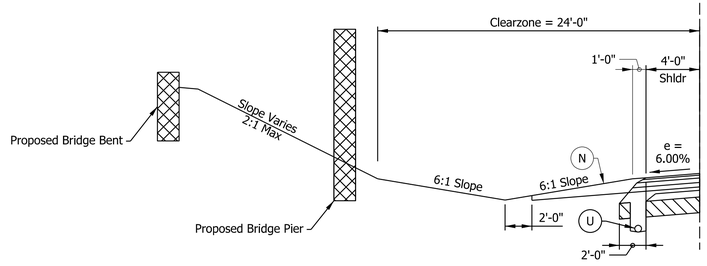
I-64 EB TO I-265 EB RAMP TYPICAL SECTION

STA. 210+45.00 "PR-AELE" TO STA. 213+51.00 "PR-AELE"

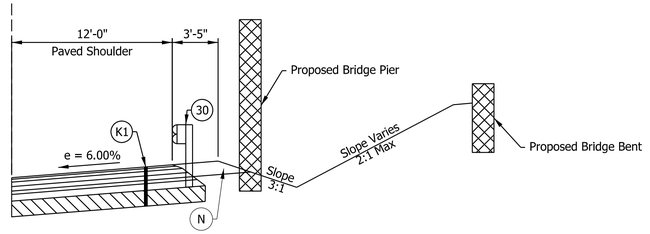


I-64 EB TO I-265 EB RAMP SUPERELEVATION TYPICAL SECTION

STA. 213+51.00 "PR-AELE" TO STA. 228+83.00 "PR-AELE"



STA. 215+20.00 "PR-AELE" TO STA. 216+50.00 "PR-AELE"
STA. 218+80.00 "PR-AELE" TO STA. 219+75.00 "PR-AELE"
STA. 224+50.00 "PR-AELE" TO STA. 225+35.00 "PR-AELE"



STA. 218+85.00"PR-AELE" TO STA. 219+75.00 "PR-AELE"
STA. 221+10.00"PR-AELE" TO STA. 222+10.00 "PR-AELE"
STA. 223+40.00"PR-AELE" TO STA. 224+05.00 "PR-AELE"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

NOTE TO REVIEWER	NOTE TO REVIEWER	FOR INFORMATION ONLY
Locations and details for underdrain trenches and pipes will be reviewed further for the next submittal.	Refer to bridge plans for additional information related to slope paving adjacent to piers/bents	

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

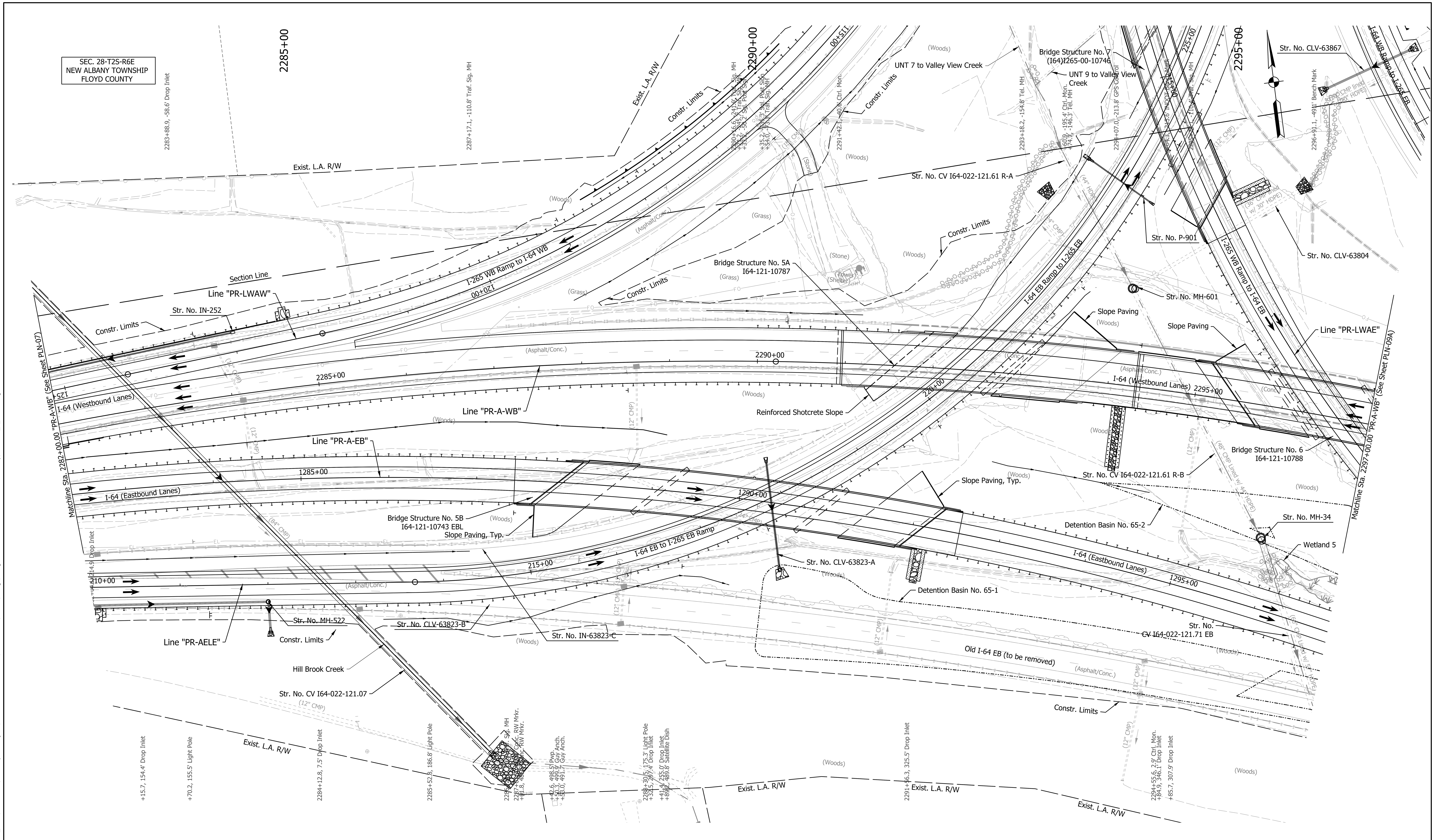
DESIGNED: DFK DRAWN: JKH

CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 / I-265 INTERCHANGE RAMPS
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	I64-121-10787
VERTICAL SCALE	DESIGNATION
N/A	1702617
SURVEY BOOK	SHEETS TS-31
ELECTRONIC	4 of 34
CONTRACT	PROJECT
R-42570	1900162



Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER ______ DATE

DESIGNED: SGM | DRAWN: RJS
CHECKED: KRC | CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A-WB"
STA. 2282+00 TO STA. 2297+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	I64-121-10787
VERTICAL SCALE	DESIGNATION
N/A	1702617
SURVEY BOOK	SHEETS PLN-08A
ELECTRONIC	5 of 34
CONTRACT	PROJECT
R-42570	1900162

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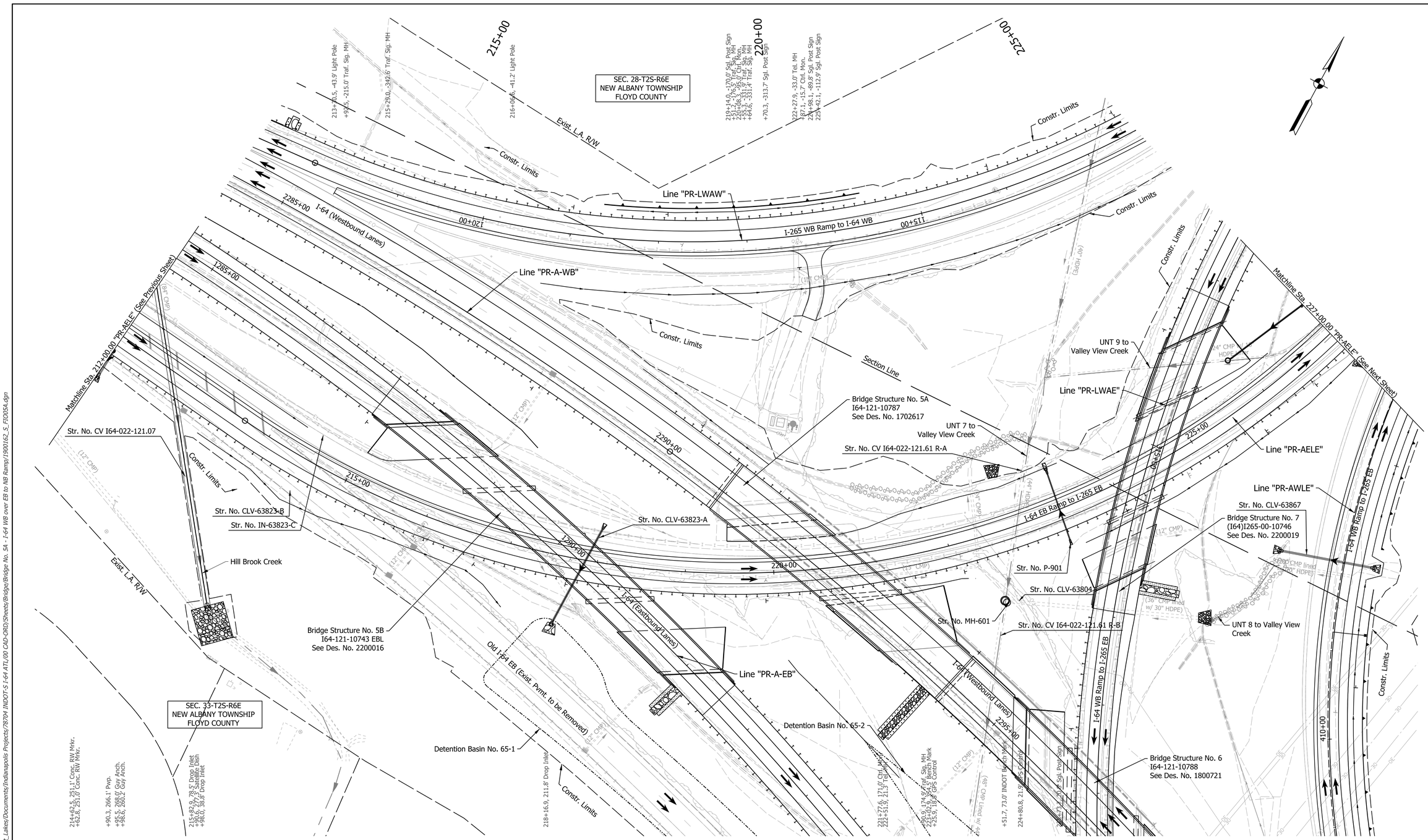

Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: RJS

CHECKED: KRC CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-AELE"
STA. 212+00 TO STA. 227+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	I64-121-10787
VERTICAL SCALE	DESIGNATION
N/A	1702617

SURVEY BOOK	SHEETS PLN-40
ELECTRONIC	7 of 34
CONTRACT	PROJECT
R-42570	1900162

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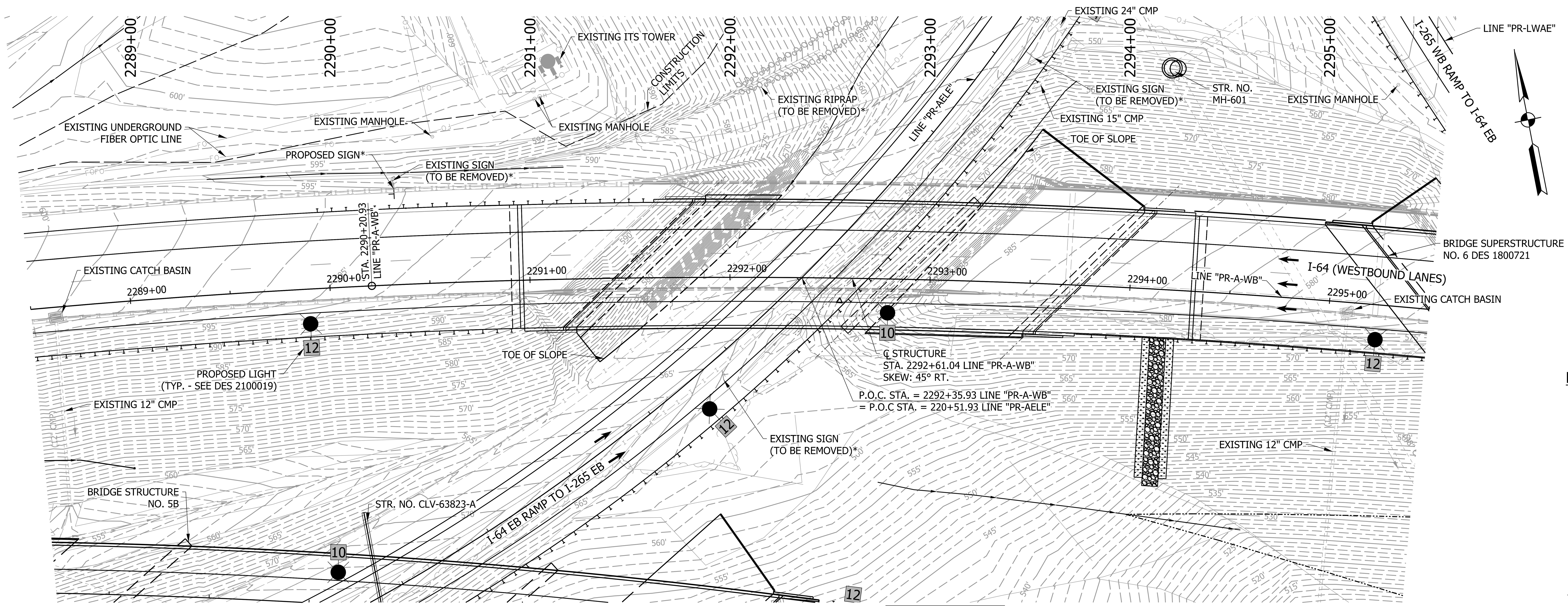
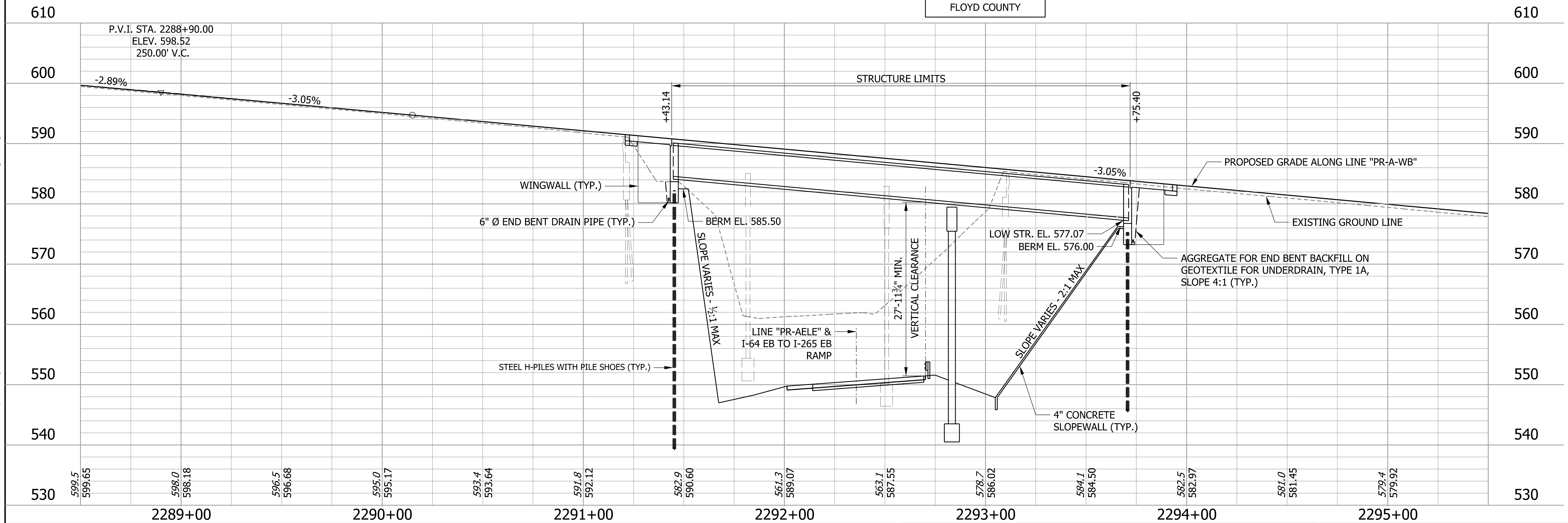


SEC 33, T-2-S, R-6-E
NEW ALBANY TOWNSHIP
FLOYD COUNTY



NOTE TO REVIEWER

UTILITY COORDINATION IS ONGOING AND ONCE FINALIZED THE EXISTING UTILITIES WILL BE IDENTIFIED AS "TO REMAIN & PROTECT-IN-PLACE", "RELOCATED", OR "ABANDONED" AS REQUIRED.

EXISTING STRUCTURE

EXISTING STRUCTURE (I64-121-04985 RCB) IS A THREE-SPAN (57'-4", 69'-0", & 57'-4") CONTINUOUS STEEL BEAM BRIDGE WITH A 51'-10" CLEAR ROADWAY (TO BE REMOVED)

PLANS FOR THE EXISTING BRIDGE ARE ON FILE IN THE RECORDS UNIT OF THE INDIANA DEPARTMENT OF TRANSPORTATION AS BRIDGE FILE I64-121-4985.

EARTHWORK TABULATION

FOR EARTHWORK SUMMARY, SEE ROAD PLANS DES NO. 1900162

HORIZONTAL CURVE DATA FOR LINE "PR-A-WB"

CURVE 17	CURVE 18
P.I. = 2285+58.51 "PR-A-WB"	P.I. = 2303+73.18 "PR-A-WB"
Δ = 13°22'51.24" RT	Δ = 39°07'32.28" RT
D = 01°26'24.82"	D = 01°30'20.35"
R = 3978.24'	R = 3805.38'
T = 466.66'	T = 1352.25'
L = 929.08'	L = 2598.58'
E = 27.28'	E = 233.12'
DS = 70MPH	DS = 70MPH
e = 3.80%	e = 3.80%

HORIZONTAL CURVE DATA FOR LINE "PR-AELE"

CURVE 49
P.I. = 224+00.52 "PR-AELE"
Δ = 93°29'31.14" LT
D = 05°53'40.66"
R = 972.00'
T = 1033.12'
L = 1586.05'
E = 446.49'
DS = 55MPH
e = 6.00%

NOTES:

1. FOR REFERENCE TIES AND BENCHMARKS, SEE ROAD PLANS, DES. NO. 1900162.
2. FOR DITCH GRADES & GUARDRAIL LIMITS, SEE ROAD PLANS, DES. NO. 1900162.
3. FOR EXISTING AND PROPOSED UTILITIES, DRAINAGE, LIGHTING, SIGNING, AND ITS, SEE DES. NO. 1900162

LEGEND

* ROADWAY ITEM - SEE DES 1900162

CONTINUOUS COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE
2 SPANS: 138'-0" & 90'-0"
61'-8" CLEAR ROADWAY SKEW: 45° RT.
I-64 WB OVER I-64 EB TO I-265 EB RAMP
FLOYD COUNTY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER ____ DATE

DESIGNED: PTT DRAWN: PTT
CHECKED: JMR CHECKED: JMR

INDIANA DEPARTMENT OF TRANSPORTATION

LAYOUT - LINE "PR-A-WB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	I64-121-10787
VERTICAL SCALE	DESIGNATION
1"=10'	1702617
SURVEY BOOK	SHEETS LAY-01
ELECTRONIC	12 of 34
CONTRACT	PROJECT
R-42570	1900162

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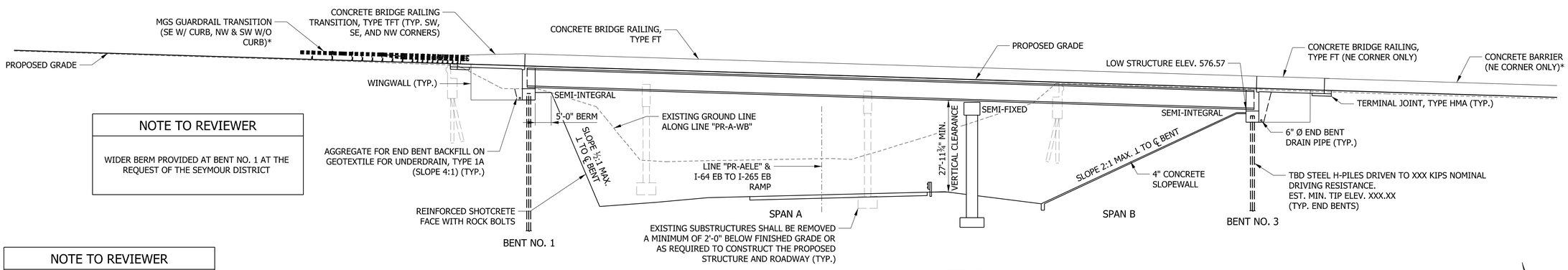
STRUCTURE TO BE BUILT TO A -3.05% GRADE



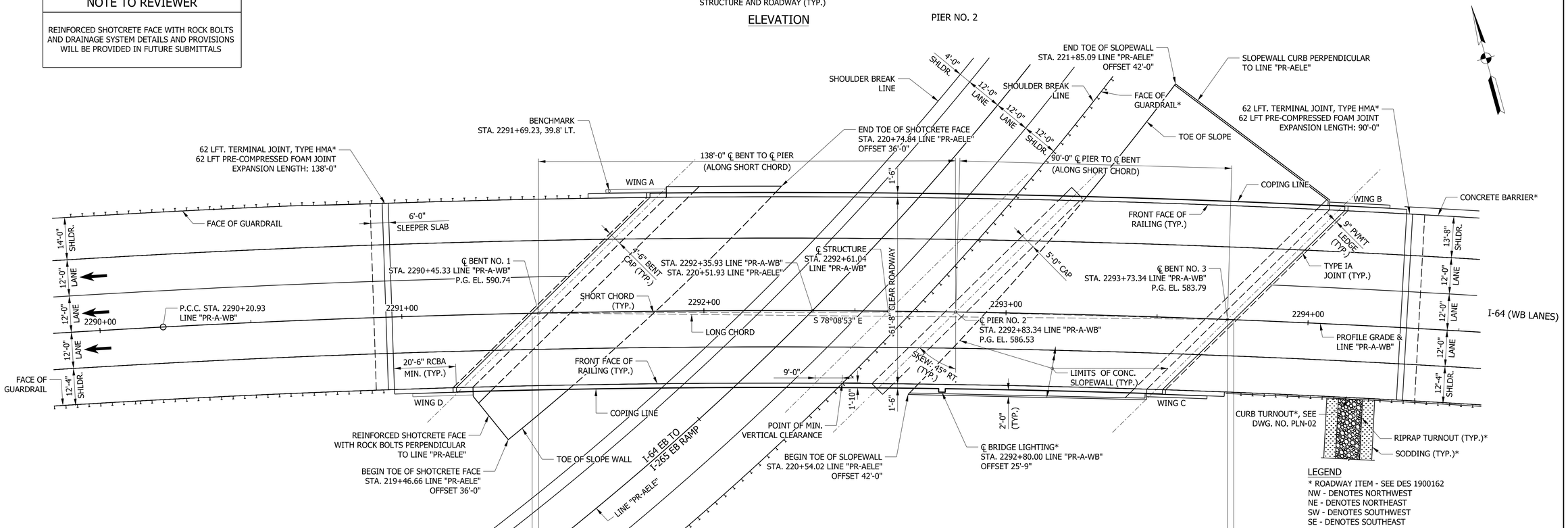
ELEVATION

NOTE TO REVIEWER

WIDER BERM PROVIDED AT BENT NO. 1 AT THE REQUEST OF THE SEYMOUR DISTRICT

NOTE TO REVIEWER

REINFORCED SHOTCRETE FACE WITH ROCK BOLTS AND DRAINAGE SYSTEM DETAILS AND PROVISIONS WILL BE PROVIDED IN FUTURE SUBMITTALS



PLAN

LEGEND
* ROADWAY ITEM - SEE DES 1900162
NW - DENOTES NORTHWEST
NE - DENOTES NORTHEAST
SW - DENOTES SOUTHWEST
SE - DENOTES SOUTHEAST

CONTINUOUS COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE
2 SPANS: 138'-0" &, 90'-0"
61'-8" CLEAR ROADWAY SKEW: 45° RT.
I-64 WB OVER I-64 EB TO I-265 EB RAMP
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

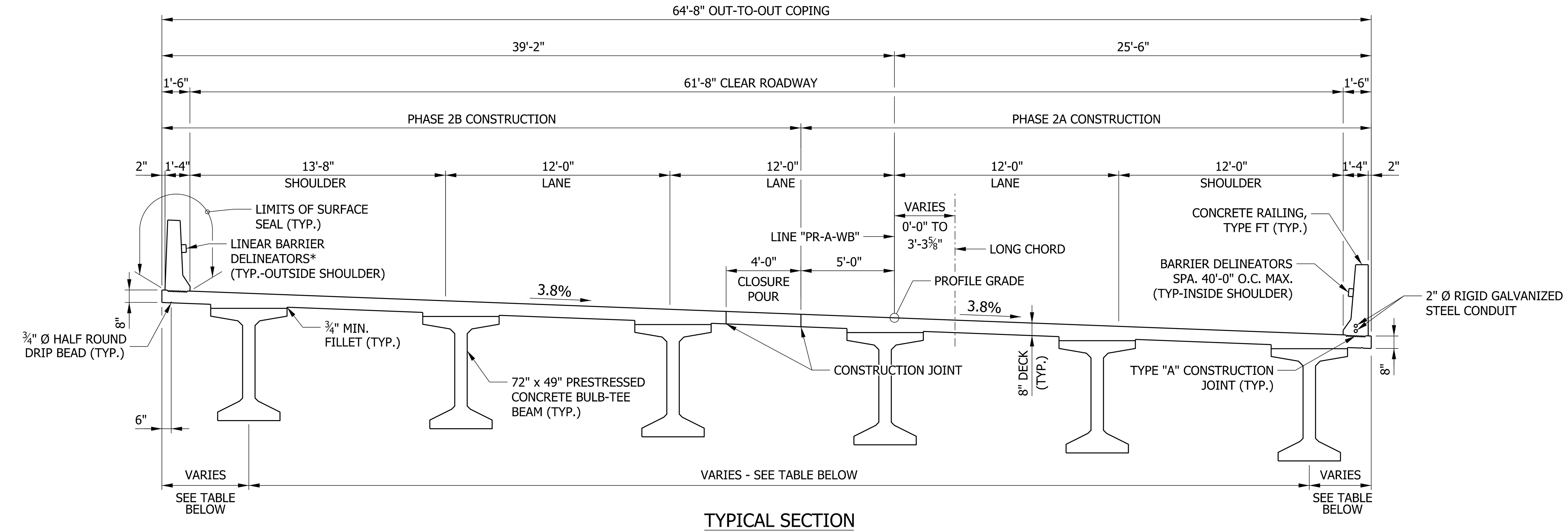
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: PTT DRAWN: PTT
CHECKED: JMR CHECKED: JMR

INDIANA DEPARTMENT OF TRANSPORTATION

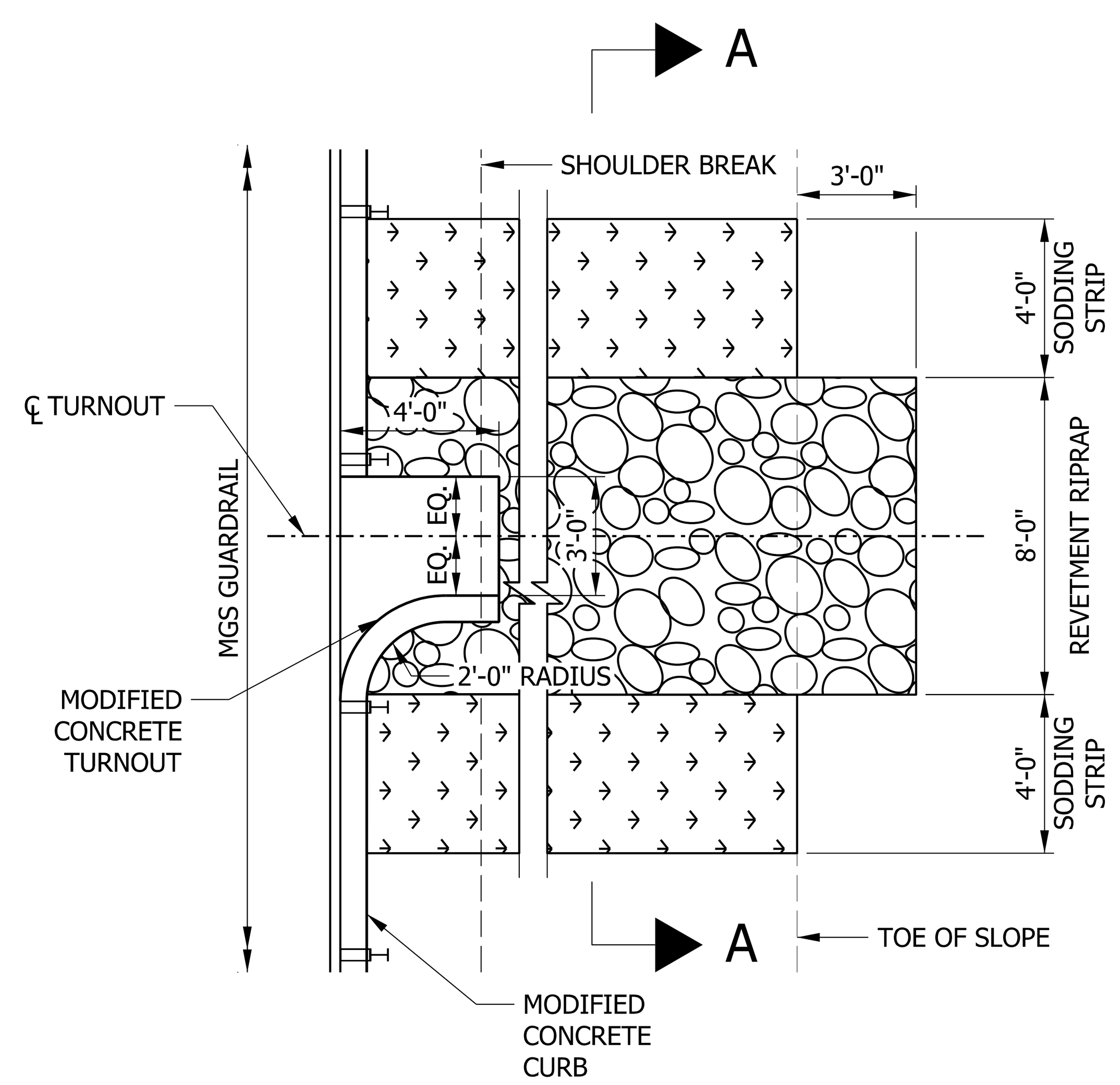
GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1/16" = 1'-0"	I64-121-10787
VERTICAL SCALE	DESIGNATION
1/16" = 1'-0"	1702617
SURVEY BOOK	SHEETS PLN-01
ELECTRONIC	13 of 34
CONTRACT	PROJECT
R-42570	1900162



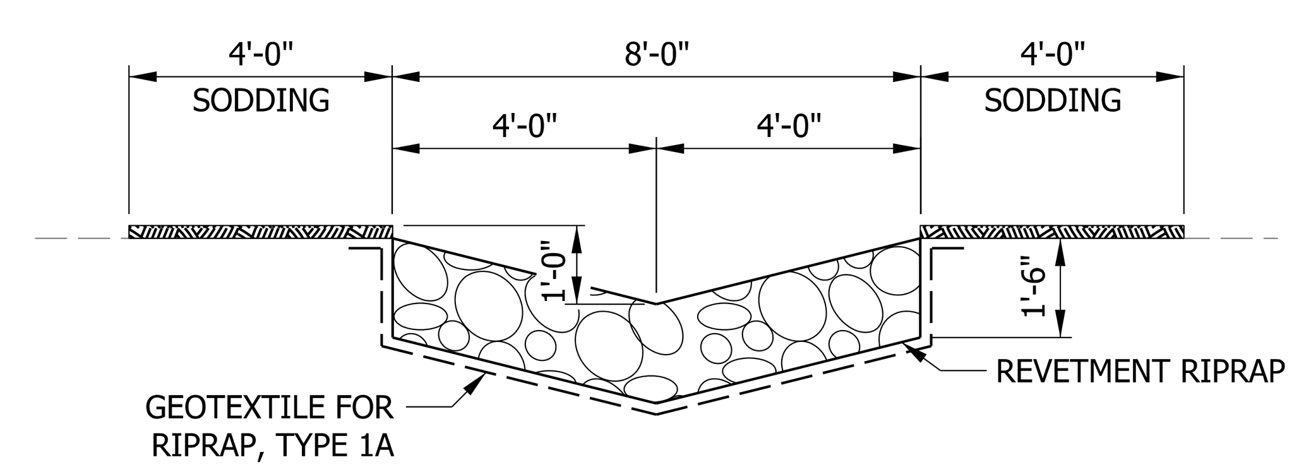
TYPICAL SECTION
(LOOKING AHEAD STATION)
SCALE: ¼" = 1'-0"

TYPICAL SECTION BEAM SPACING AND OVERHANG DIMENSIONS			
SPAN	BEAM SPACING	OVERHANG DIMENSION	
		NORTH COPING	SOUTH COPING
A	11'-1"	VARIES 1'-7¼" MIN. TO 2'-10⅝" MAX.	VARIES 2'-0" MIN. TO 3'-1¾" MAX.
B	11'-5"	VARIES 0'-8⅞" MIN. TO 1'-7⅛" MAX.	VARIES 1'-8¾" MIN. TO 2'-3½" MAX.

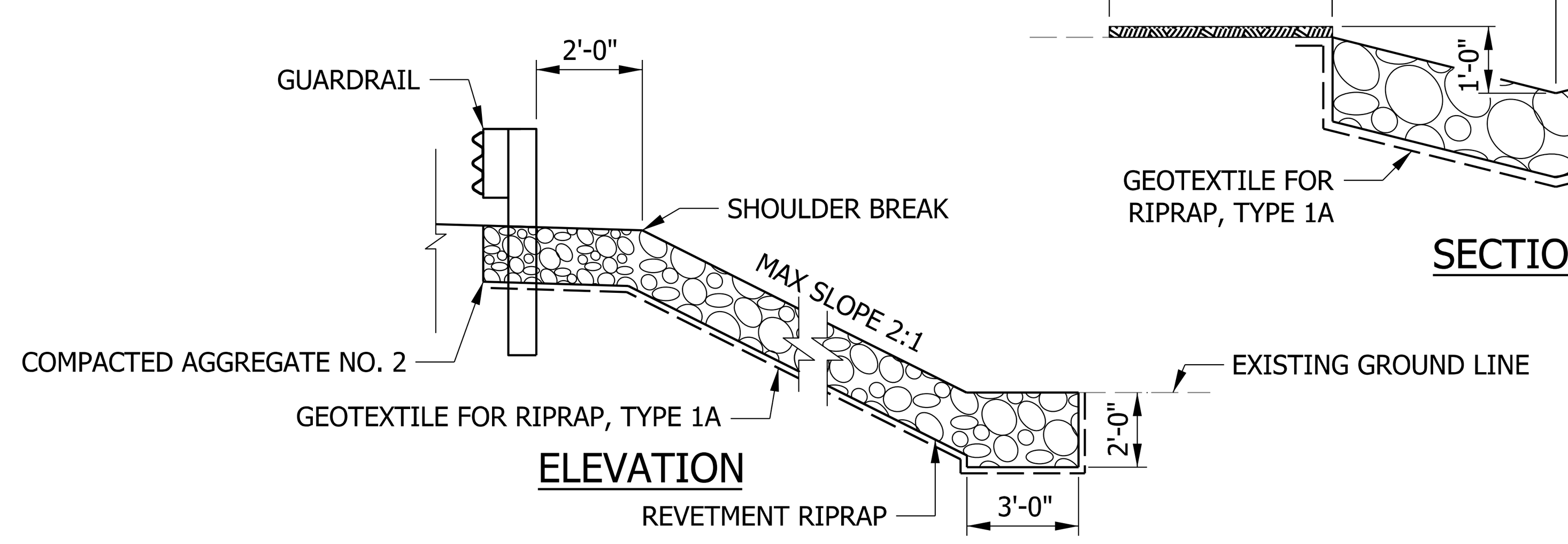


PLAN

NOTE TO REVIEWER
ADDITIONAL DETAIL FOR THE MODIFIED CONCRETE CURB AND MODIFIED CONCRETE TURNOUT WILL BE PROVIDED IN STAGE 3.



SECTION A-A



ELEVATION

TURNOUT DETAILS
N.T.S.

GENERAL NOTES

REINFORCING BARS IN DECK, BARRIER, AND END BENT DIAPHRAGM AND CAP SHALL BE EPOXY COATED.

REINFORCING BAR COVER SHALL BE 2½" IN TOP AND 1" MINIMUM IN THE BOTTOM OF THE FLOOR SLAB, 3" IN FOOTINGS EXCEPT BOTTOM BARS WHICH SHALL BE 4" MIN., AND 2" IN ALL OTHER PARTS, UNLESS OTHERWISE NOTED.

ALL EXPOSED FACES OF THE CONCRETE BRIDGE RAILINGS, CONCRETE RAILING TRANSITIONS, WINGWALLS, AND END BENTS SHALL BE SURFACE SEALED.

ALL DIMENSIONS AND ELEVATIONS ARE IN FEET (FT) UNLESS OTHERWISE NOTED.

DESIGN DATA

LIVE LOAD

DESIGNED FOR HL-93 LOADING IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS NINTH EDITION, 2020, AND SUBSEQUENT INTERIMS.

DEAD LOAD

DESIGNED FOR ACTUAL DEAD LOAD PLUS 35 PSF OF FUTURE WEARING SURFACE AND 15 PSF FOR SIP METAL DECK FORMS.

FLOOR SLAB

SLAB DESIGNED WITH A 7½" STRUCTURAL DEPTH AND A ½" INTEGRAL WEARING SURFACE.

DESIGN STRENGTHS

CLASS "C" CONCRETE f'c = 4,000 psi
CLASS "A" CONCRETE f'c = 3,500 psi
CLASS "B" CONCRETE f'c = 3,000 psi
REINFORCING BARS fy = 60,000 psi
PRESTRESSED CONCRETE, NORMAL WEIGHT:
f'c = 8,000 PSI @ 28 DAYS
INITIAL f'c = 6,000 PSI @ RELEASE OF STRANDS
PRESTRESSING STRANDS:
0.6" Ø 7 WIRE LOLAX STRANDS (As = 0.217 SQ. IN.)
ULT. TENSILE STRENGTH = 270,000 PSI
INITIAL PULL = 43,940 LBS. PER STRAND

CONSTRUCTION LOADING

THE EXTERIOR BEAMS HAVE BEEN CHECKED FOR STRENGTH, DEFLECTION, AND OVERTURNING USING CONSTRUCTION LOADS SHOWN BELOW. CANTILEVER OVERHANG BRACKETS WERE ASSUMED FOR SUPPORT OF THE DECK OVERHANG PAST THE EDGE OF EXTERIOR BEAM. THE FINISHING MACHINE WAS ASSUME TO BE SUPPORTED 6 INCHES OUTSIDE THE VERTICAL COPING FORM. THE TOP OVERHANG BRACKETS WERE ASSUMED TO BE LOCATED 6 INCHES PAST THE EDGE OF THE VERTICAL COPING FORM. THE BOTTOM OVERHANG BRACKETS WERE ASSUMED TO BE BRACED AGAINST THE INTERSECTION OF THE BEAM BOTTOM FLANGE AND WEB.

DECK FALSEWORK LOADS:
DESIGNED FOR 15 LBS/SFT FOR PERMANENT METAL STAY-IN-PLACE DECK FORMS, REMOVABLE DECK FORMS, AND 2-FT. EXTERIOR WALKWAY.

CONSTRUCTION LIVE LOAD:
DESIGNED FOR 20 LB/SFT EXTENDING 2 FT. PAST THE EDGE OF COPING AND 75 LB/FT VERTICAL FORCE APPLIED AT A DISTANCE OF 6 INCHES OUTSIDE THE FACE OF COPING OVER A 30-FT. LENGTH OF THE DECK CENTERED WITH THE FINISHING MACHINE.

FINSHING-MACHINE LOAD:
4500 LB DISTRIBUTED OVER 10 FT. ALONG THE COPING.

WIND LOAD
DESIGNED FOR 70 MPH HORIZONTAL WIND LOADING IN ACCORDING WITH ASSHTO LRFD 3.8.1.

SEISMIC DATA

SEISMIC PERFORMANCE ZONE = X
ACCELERATION COEFFICIENT = X
SEISMIC SOIL PROFILE TYPE = SITE CLASS X

NOTE TO REVIEWER
SEISMIC DATA WILL BE PROVIDED IN A FUTURE SUBMITTAL ONCE THE GEOTECHNICAL REPORT IS COMPLETE.

LEGEND

* SEE SPECIAL PROVISIONS FOR LINEAR BARRIER DELINEATOR REQUIREMENTS.

CONTINUOUS COMPOSITE PRESTRESSED CONCRETE
BULB-TEE BEAM BRIDGE
2 SPAN: 138'-0" & 90'-0"
61'-8" CLEAR ROADWAY SKEW: 45°
I-64 WB OVER I-64 EB TO I-265 EB RAMP
FLOYD COUNTY

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file: pw://pw-int.hntb.org:PWGreat_Lakes/Documents/Indianapolis Projects/78704 INDOT-S I-64 ATL/00 CAD-DRD/Sheets/Bridge/Bridge No. 54 - I-64 WB over EB to NB Ramp/1900162_S_TYP05A.dgn

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ________ DESIGN ENGINEER DATE

DESIGNED: PTT DRAWN: PTT
CHECKED: JMR CHECKED: JMR

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE	
AS SHOWN	I64-121-10787	
VERTICAL SCALE	DESIGNATION	
AS SHOWN	1702617	
SURVEY BOOK	SHEETS PLN-02	
ELECTRONIC	14 of	34
CONTRACT	PROJECT	
R-42570	1900162	

PROJECT	DESIGNATION
1900162	2200016
CONTRACT	BRIDGE FILE
R-42570	I64-121-10743 EBL

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-121-10743 EBL	CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER	3 SPANS: 115'-0", 185'-0", 115'-0" SKEW = 45° RT.	I-64 EB RAMP TO I-265 EB	℄ STRUCTURE STA. 1290+02.69 "PR-A-EB"

DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	I-64 ATL	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AEBL	STR. 1
1800405	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AWBL	STR. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road, Str.No. I64-120-10786	STR. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road, Str.No. I64-120-10742	STR. 4
1702617	Bridge Replacement on I-64 WB over I-64 EB to I-265 EB Ramp, Str.No. I64-121-10787	STR. 5A
2200016	New Bridge on I-64 EB over I-64 EB Ramp to I-265 EB, Str.No.I64-121-10743 EBL	STR. 5B
1800721	Bridge Replacement on I-64 WB over I-265 WB Ramp to I-64 EB, Str.No.I64-121-10788	STR. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp, Str.No.(I64)I265-00-10746	STR. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road, Str.No.I64-121-10744	STR. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road, Str. No. I64-121-04986 DWBL	STR. 9
1702614	Bridge Deck Overlay on I-64 over Cherry Street, Str.No. I64-122-04988 D	STR. 10
2000326 / 2000323	Bridge Deck Replacement & Widening on I-265 EB & Ramp Over State Street, Str.No. I265-00-05513 JCEB & DRCB	STR. 11
2000324	Bridge Deck Overlay on I-265 WB Over State Street, Str.No. I265-00-05513 DWBL	STR. 12
1700206	Bridge Deck Replacement I-64 EB over SR 62/ SR 64	STR. 13
1700205	Bridge Deck Replacement on I-64 WB over SR 62/ SR 64	STR. 14
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	STR. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	STR. 16
2002072	US 150 EB over Little Indian Creek, Str.No.150-22-05230 CEB	STR. 18
2002073	US 150 WB over Little Indian Creek, Str.No.150-22-05230 CWB	STR. 19
2200719	I-64 EB & WB over SR 62 / Spring Street, Str.No.I64-123-04689 C	STR. 20
2200718	I-64 WB Off-Ramp to Spring Street over I-64 WB On-Ramp from Spring Street, Str.No.I64-123-04688 D	STR. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	STR. 17
TBD	Valley View Creek (6 Small Structures and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

Note to Reviewer:
The list of Kinned Projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the Contract Package

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-64 EB AT: RP 121+71

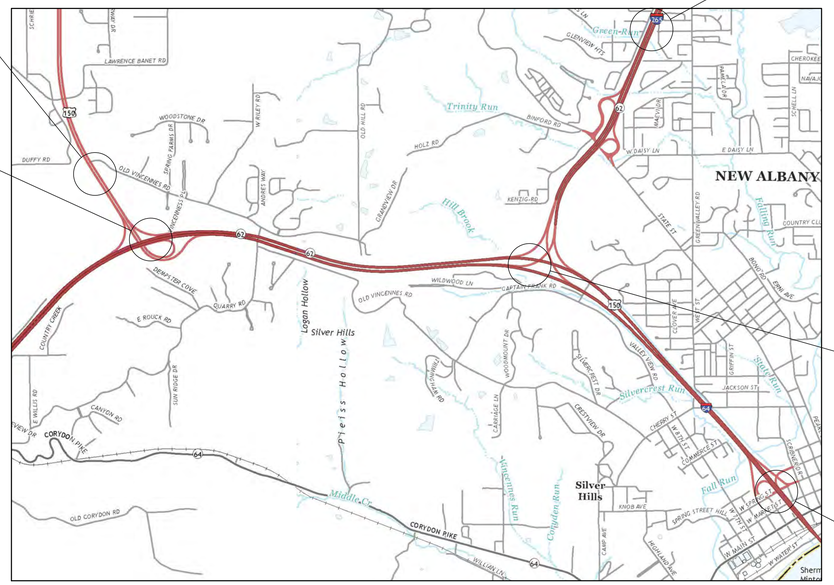
PROJECT NO. 2200016 P.E.
1900162 R/W
2200016 CONST.

New Construction on I-64 EB over I-64 EB Ramp to I-265 EB
Located 2.11 Miles East of US 150 in
Section 33, T-2-S, R-6-E, New Albany Township, Floyd County, Indiana

END CONSTRUCTION
Sta.2077+97.42 Line "PR-L-EB"

BEGIN CONSTRUCTION
Sta.1025+38.31 Line "PR-U-WB"

BEGIN PROJECT
Sta.1180+86.02 Line "PR-A-EB"



LOCATION MAP
SCALE: 1" = 2000'

STRUCTURE LOCATION
℄ Str.-Sta.1290+02.69 "PR-A-EB"

END PROJECT
Sta.1393+50.00 Line "PR-A-EB"

TRAFFIC DATA		I-64 EB MAINLINE	I-64 EB TO I-265 EB
A.A.D.T.	(2019)	18,020 V.P.D.	16,500 V.P.D.
A.A.D.T.	(2046)	24,240 V.P.D.	22,650 V.P.D.
D.H.V	(2046)	3,050 V.P.H.	1,290 V.P.H.
DIRECTIONAL DISTRIBUTION		100 %	100 %
TRUCKS		12 % A.A.D.T.	8 % A.A.D.T.
		4 % D.H.V.	9 % D.H.V.
DESIGN DATA			
DESIGN SPEED		70 M.P.H.	55 M.P.H.
PROJECT DESIGN CRITERIA		NEW CONSTRUCTION (FREEWAY)	RECONSTRUCTION
FUNCTIONAL CLASSIFICATION		INTERSTATE	RAMP
RURAL/URBAN		URBAN	URBAN
TERRAIN		ROLLING	ROLLING
ACCESS CONTROL		FULL	FULL

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°18'5.89" N LONGITUDE: 85°51'7.89" W

BRIDGE LENGTH:	0.079	MI.
ROADWAY LENGTH:	*	MI.
TOTAL LENGTH:	*	MI.
MAX. GRADE:	-4.50	%

* SEE DES. NO. 1900162

HUC 12: 051401010904
HUC 14: 05140101150020

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
BLN: BEAM·LONGEST·NEFF
8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | WWW.B-L-N.COM

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER

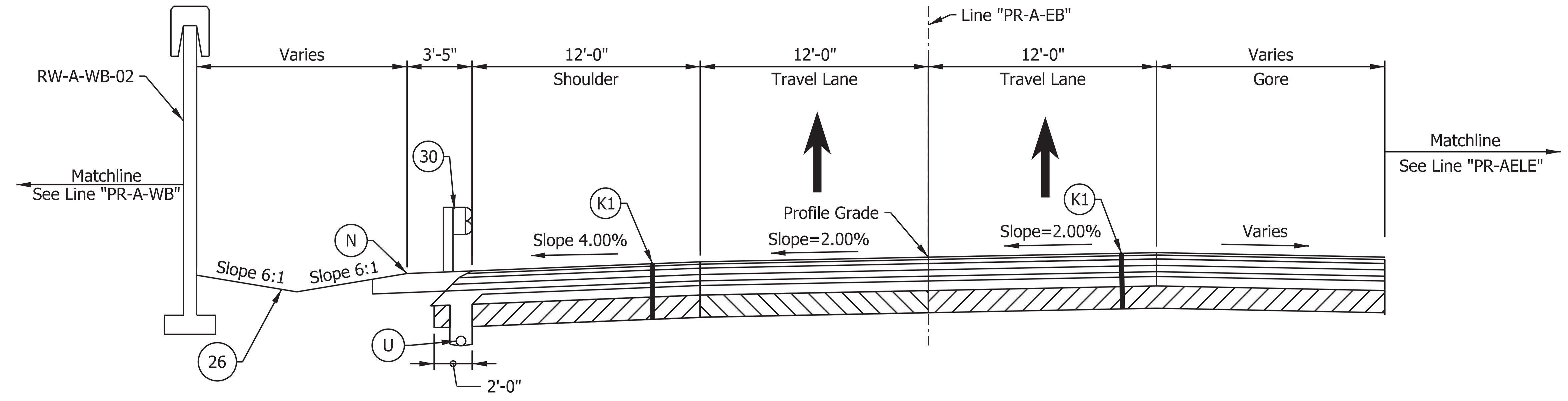
CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I64-121-10743 EBL
DESIGNATION
2200016

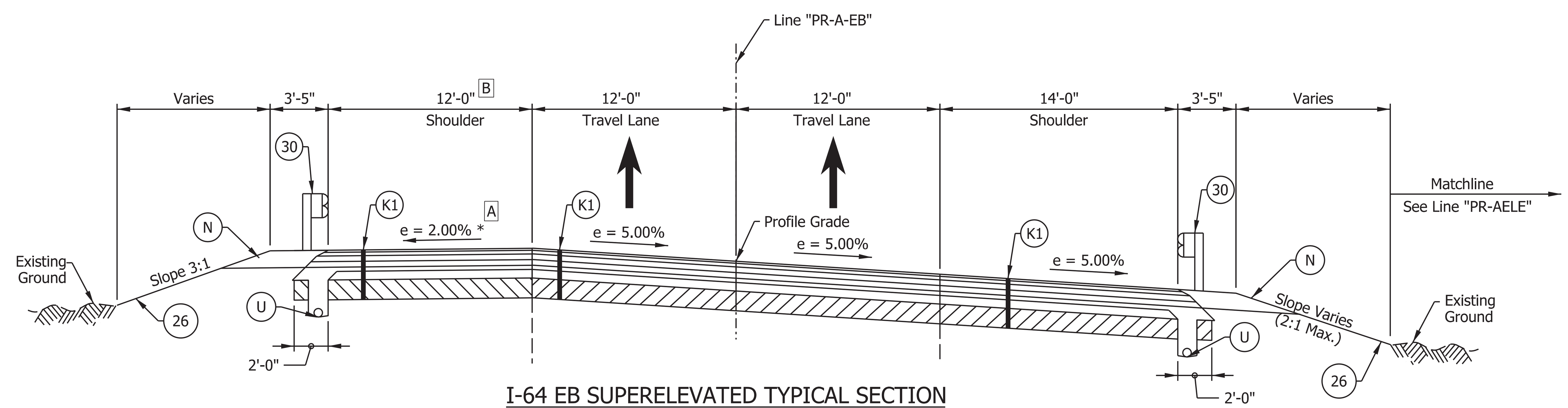
DRAWING NO.	SHEETS
	1 of 27
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\206-structure 5b i-64 eb over e-n ramp\str 5b - sht title sheet.dwg | title sheet | 12/5/2022 7:15:47 AM ||



I-64 EB TYPICAL SECTION

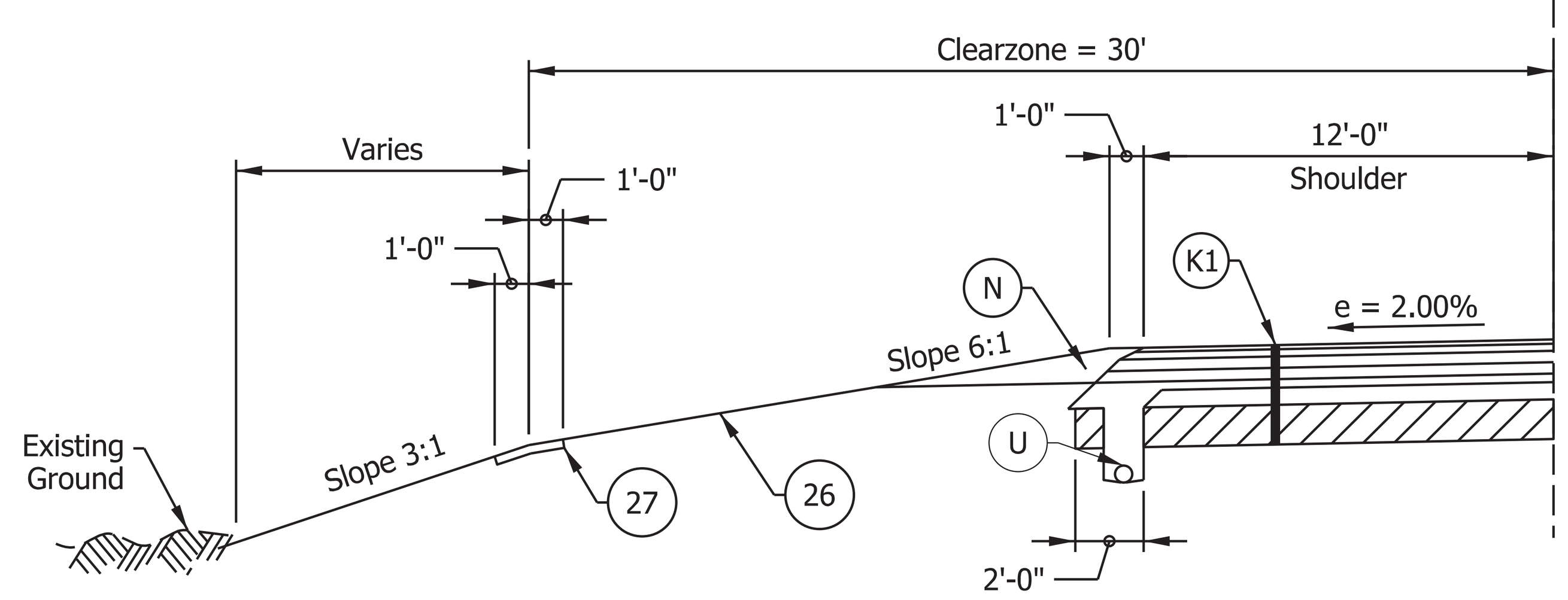
STA. 1272+44.97 "PR-A-EB" TO STA. 1277+60.00 "PR-A-EB"



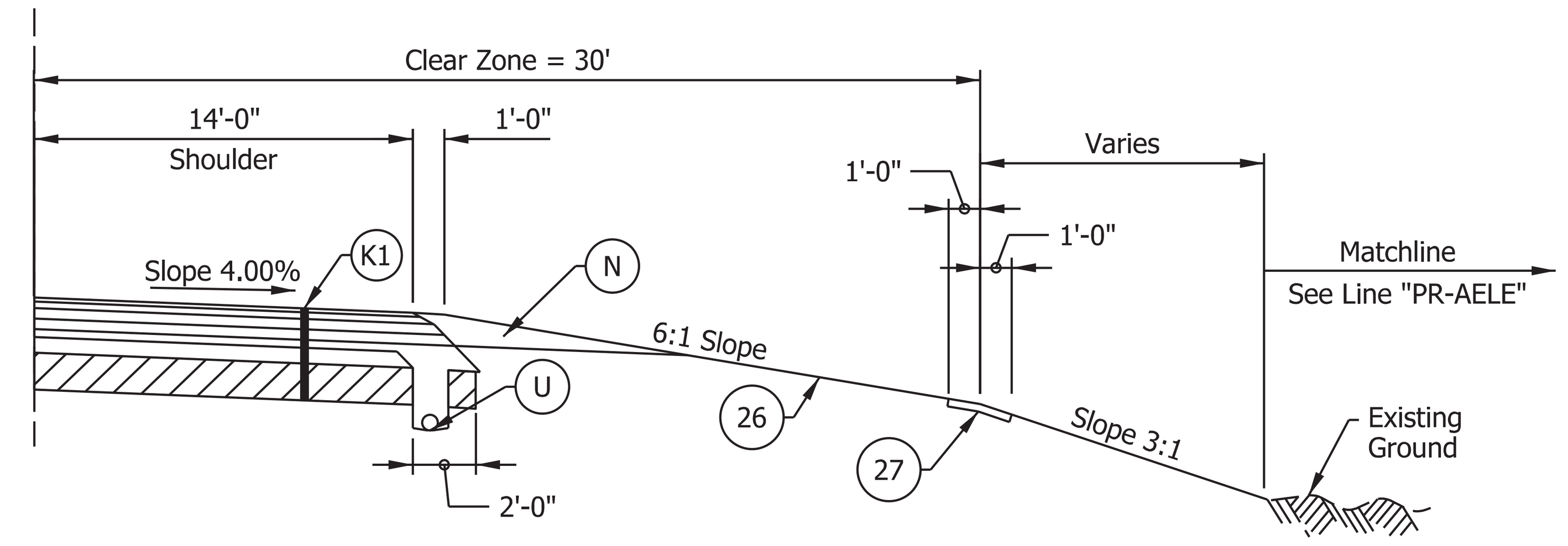
I-64 EB SUPERELEVATED TYPICAL SECTION

STA. 1277+60.00 "PR-A-EB" TO STA. 1299+86.00 "PR-A-EB"

Bridge Paving Exception from Sta. 1287+44.34 to 1292+52.04



STA. 1298+50.00 "PR-A-EB" TO STA. 1299+86.00 "PR-A-EB"



STA. 1277+60.00 "PR-A-EB" TO STA. 1279+34.00 "PR-A-EB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

* Max rollover between shoulder and travel lane not to exceed 8%.

A Shoulder slope to rotate to full superelevation across the bridge over Line "PR-AELE"
See Superelevation Diagrams

B Left shoulder width increased to 12'-4" approaching and exiting the bridge over Line "PR-AELE"

NOTE TO REVIEWER

2-foot lane extensions at the shoulders will be reviewed and implemented where applicable in a future submittal.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: SGM		DRAWN: CGR	
CHECKED: ADR		CHECKED: ADR	

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 EASTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS TS-04
ELECTRONIC	3 of 27
CONTRACT	PROJECT
R-42570	1900162

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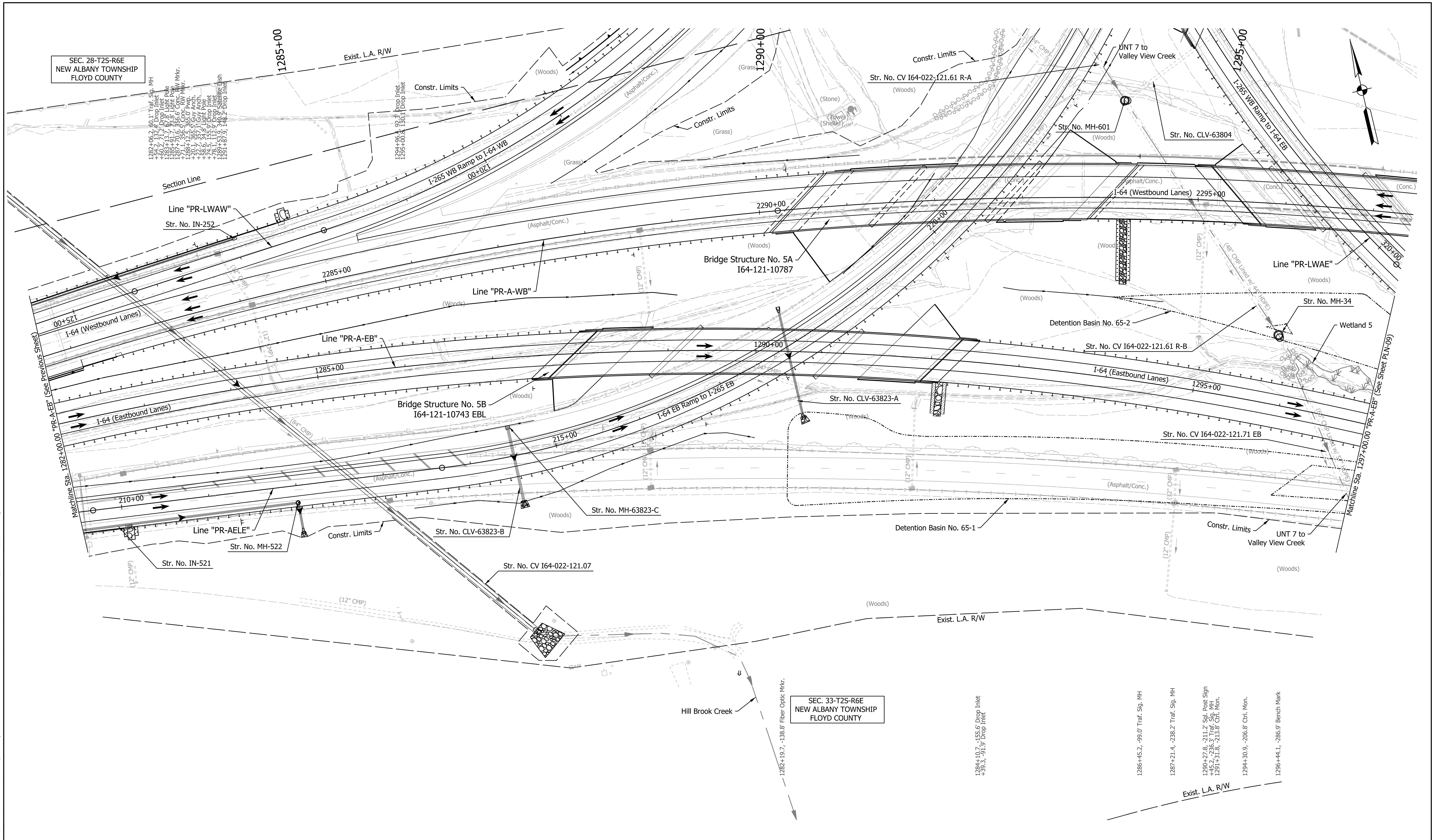
SEC. 28-T2S-R6E
NEW ALBANY TOWNSHIP
FLOYD COUNTY
1285+00
1290+00
1295+00
Exist. L.A. R/W
Constr. Limits
Section Line
Line "PR-LWAW"
Str. No. IN-252
I-265 WB Ramp to I-64 WB
120+00
125+00
I-64 (Westbound Lanes)
2285+00
2290+00
2295+00
Line "PR-A-WB"
Line "PR-A-EB"
Bridge Structure No. 5A
I64-121-10787
Bridge Structure No. 5B
I64-121-10743 EBL
I-64 (Eastbound Lanes)
I-64 EB Ramp to I-265 EB
210+00
215+00
Line "PR-AELE"
Str. No. MH-522
Str. No. IN-521
Str. No. CLV-63823-B
Str. No. MH-63823-C
Str. No. CV I64-022-121.07
Str. No. CLV-63823-A
Str. No. CV I64-022-121.61 R-A
Str. No. CV I64-022-121.61 R-B
Str. No. CV I64-022-121.71 EB
Str. No. MH-601
Str. No. CLV-63804
Str. No. MH-34
UNT 7 to
Valley View Creek
I-265 WB Ramp to I-64 EB
320+00
Line "PR-LWAE"
Detention Basin No. 65-2
Detention Basin No. 65-1
Wetland 5
Matchline Sta. 1282+00.00 "PR-A-EB" (See Previous Sheet)
Matchline Sta. 1297+00.00 "PR-A-EB" (See Sheet PLN-09)
Hill Brook Creek
SEC. 33-T2S-R6E
NEW ALBANY TOWNSHIP
FLOYD COUNTY
1282+19.7, -138.8' Fiber Optic Mrkr.
1294+10.7, -155.6' Drop Inlet
1286+45.2, -99.0' Traf. Sig. MH
1287+21.4, -238.2' Traf. Sig. MH
1294+30.9, -206.8' Ctrl. Mon.
1296+44.1, -286.9' Bench Mark
(Woods)
(Grass)
(Asphalt/Conc.)
(12" CMP)
(84" CMP)

Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: SGM		DRAWN: RJS	
CHECKED: KRC		CHECKED: KRC	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A-EB"
STA. 1282+00 TO STA. 1297+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-08
ELECTRONIC	4 of 27
CONTRACT	PROJECT
R-42570	1900162

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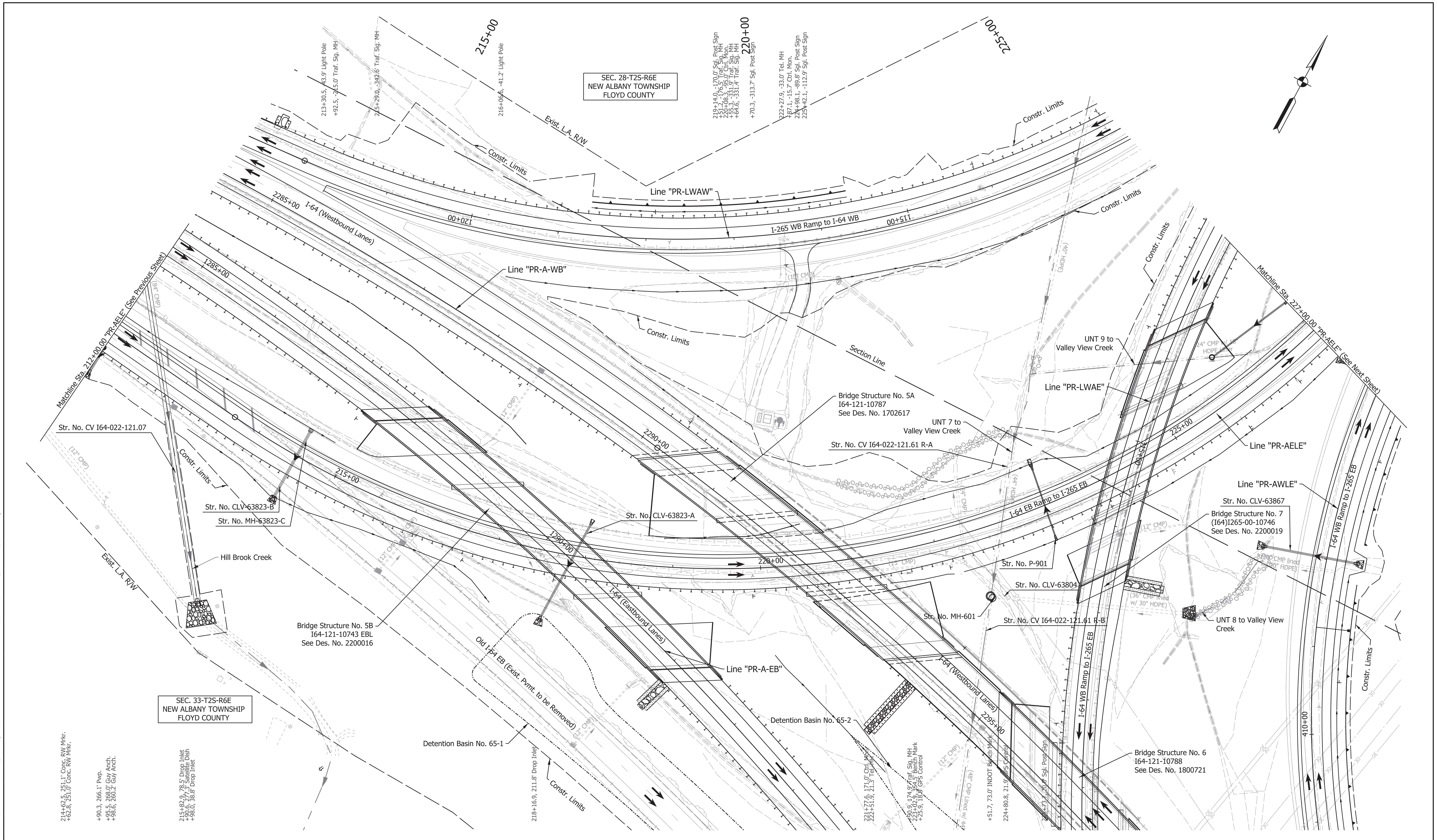

Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: MDS	DRAWN: RJS		
CHECKED: KRC	CHECKED: KRC		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-AELE"
STA. 212+00 TO STA. 227+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-55
ELECTRONIC	6 of 27
CONTRACT	PROJECT
R-42570	1900162

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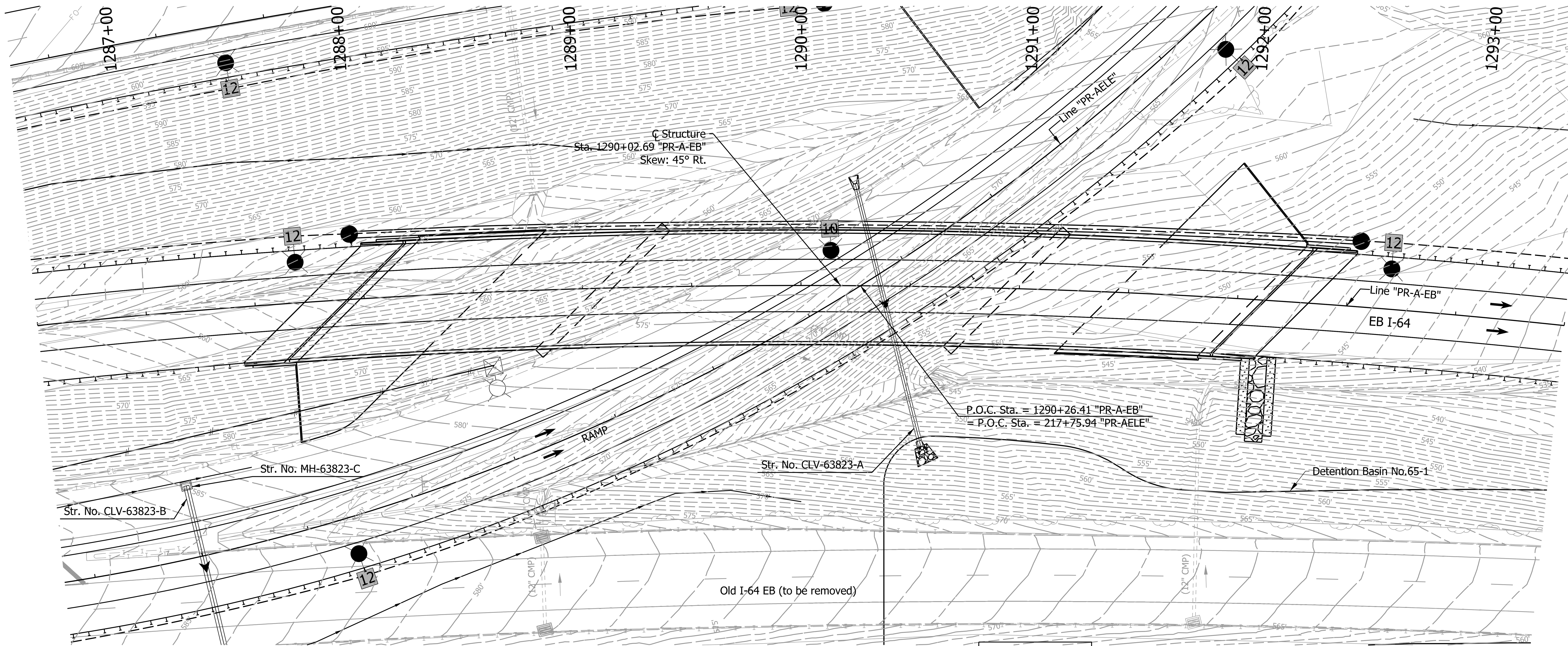

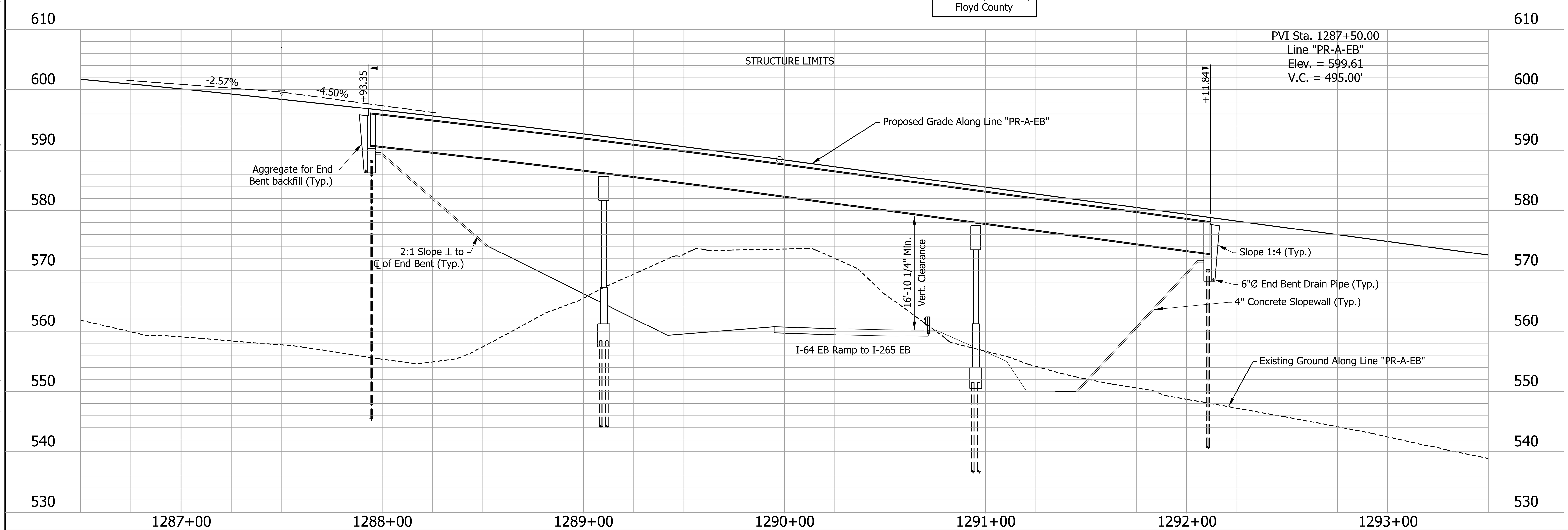

EXISTING STRUCTURE

No Exisitng Structure

EARTHWORK TABULATION

For Earthwork Summary, See Road Plans Des. No. 1900162

HORIZONTAL CURVE DATA FOR LINE "PR-AELE"

CURVE 49
P.I. 224+00.52 "PR-AELE"
Δ = 93°29'31.14" LT.
D = 05°53'40.66"
R = 972'
T = 1033.12'
L = 1586.05'
E = 446.49'
e = 6.00%

HORIZONTAL CURVE DATA FOR LINE "PR-A-EB"

CURVE 6
P.I. 1289+64.30 "PR-A-EB"
Δ = 35°59'02.09" RT.
D = 01°43'03.00"
R = 3336'
T = 1083.41'
L = 2095.13'
E = 171.52'
e = 5.00%

NOTES:

For Reference Ties and Benchmarks, See Road Plans Des. No. 1900162.
For Ditch Grades & Guardrail Limits, See Plan & Profile Sheet of Road Plans, Des. No. 1900162.
For existing and proposed utilities, drainage, lighting, signing, and ITS, see Des. No. 1900162.

CONTINUOUS COMPOSITE STEEL PLATE GIRDER BRIDGE
3 SPANS: 115'-0", 185'-0" & 115'-0"
49'-8" CLEAR ROADWAY SKEW: 45° RT.
I-64 EB OVER I-64 EB RAMP TO I-265 EB
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE
DESIGNED: RTW	DRAWN: JP		
CHECKED: TSW	CHECKED: TSW		

INDIANA
DEPARTMENT OF TRANSPORTATION

LAYOUT - LINE "PR-A-EB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	I64-121-10743 EBL
VERTICAL SCALE	DESIGNATION
1"=10'	2200016
DRAWING NUMBER	SHEETS
S1 of S4	11 of 27
CONTRACT	PROJECT
R-42570	1900162

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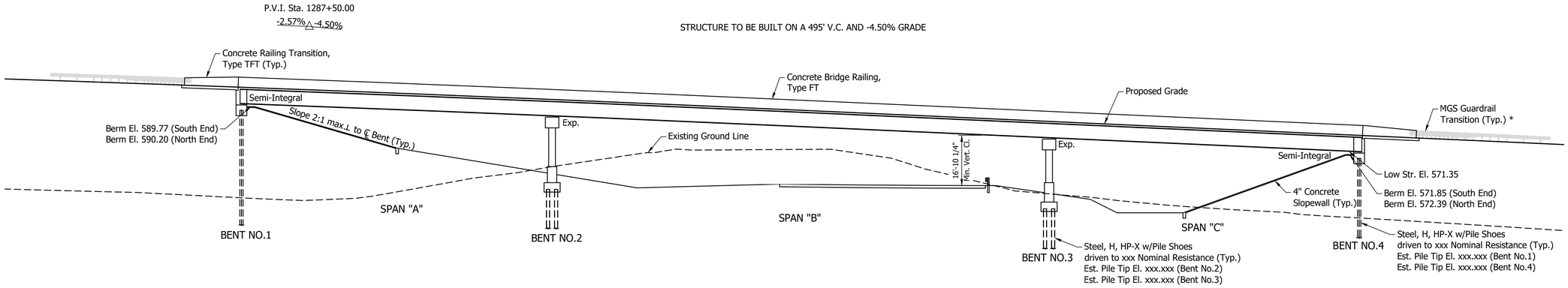
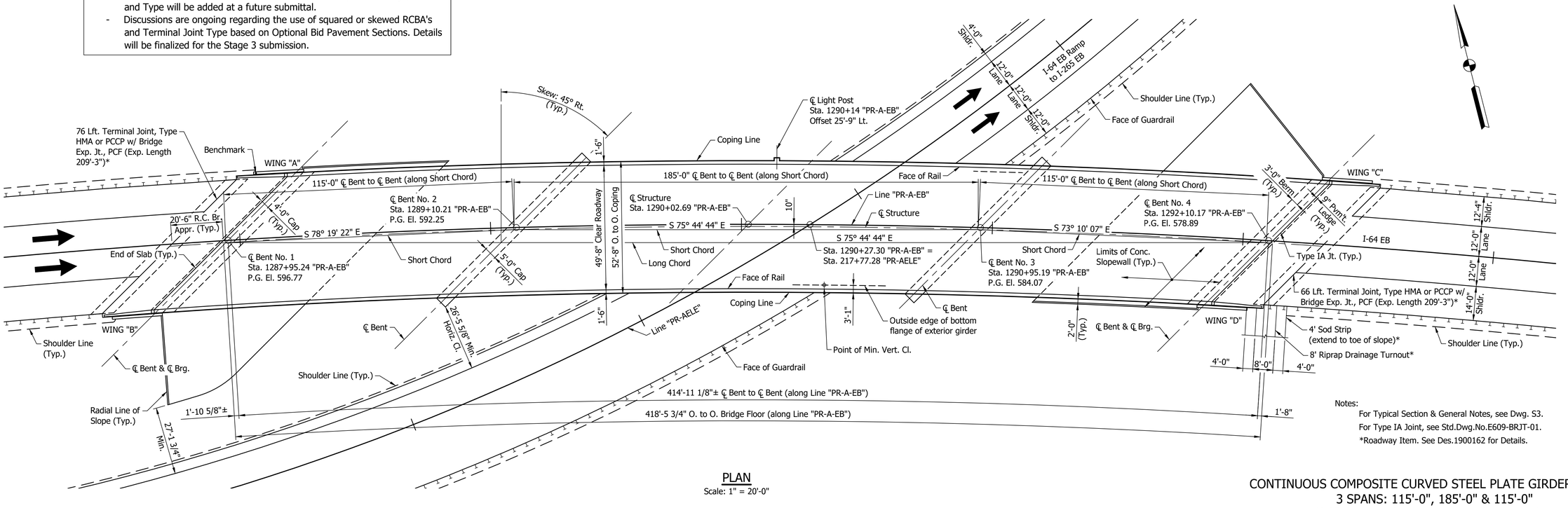


ELEVATION
Scale: 1" = 20'-0"

Note to Reviewer:
- Impact Attenuators are being evaluated for the proposed pier on the inside of the curve of the ramp alignment.
- The Geotechnical Investigation is currently underway. Soil borings, Pile Size and Type will be added at a future submittal.
- Discussions are ongoing regarding the use of squared or skewed RCBA's and Terminal Joint Type based on Optional Bid Pavement Sections. Details will be finalized for the Stage 3 submission.



PLAN
Scale: 1" = 20'-0"

Notes:
For Typical Section & General Notes, see Dwg. S3.
For Type IA Joint, see Std.Dwg.No.E609-BRJT-01.
*Roadway Item. See Des.1900162 for Details.

CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER BRIDGE
3 SPANS: 115'-0", 185'-0" & 115'-0"
49'-8" CLEAR ROADWAY SKEW: 45° RT.
I-64 EB OVER I-64 EB RAMP TO I-265 EB
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: RTW DRAWN: JF

CHECKED: TSW CHECKED: RTW

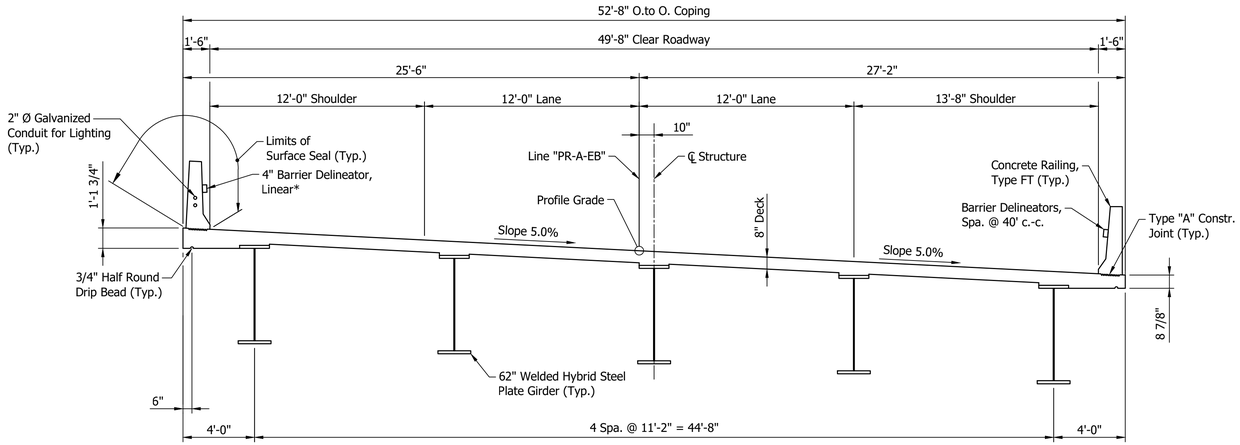
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-121-10743 EBL
VERTICAL SCALE	DESIGNATION
AS NOTED	2200016

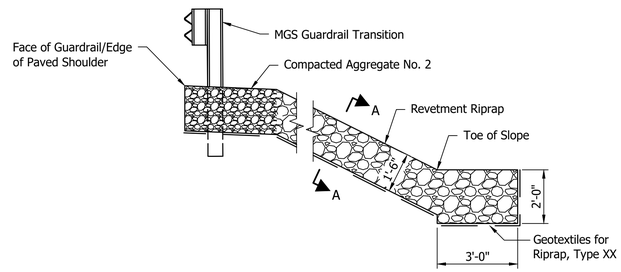
DRAWING NO.	SHEETS
S2 of S4	12 of 27
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\206-structure 5b i-64 eb over e-n ramp\str 5b - sht general plan.dwg | general plan | 12/5/2022 7:16:03 AM ||



TYPICAL SECTION

Scale: 1/4" = 1'-0"



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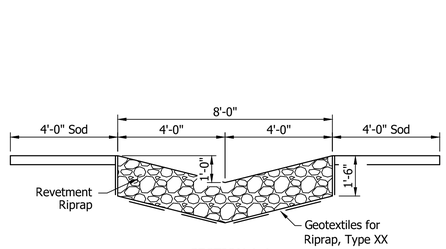


SECTION A-A

RIPRAP DRAINAGE TURNOUT DETAIL

Scale: 3/8"=1'-0"

GENERAL NOTES

Reinforcing bar covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, 3" in footings except for bottom bars which shall be 4" and 2" in all other parts, unless otherwise noted.

Reinforcing bars in deck, barrier, end bent diaphragms and end bent caps shall be epoxy coated, unless otherwise noted.

All exposed faces of the concrete bridge railings, concrete railing transitions, wings and end bents to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = XXXX Sft.)

DESIGN DATA

LIVE LOAD

Designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

DEAD LOAD

Actual weight plus 35 psf (composite) for future wearing surface and 15 psf (non-composite) for permanent metal deck forms.

FLOOR SLAB

Designed with 7 1/2" structural depth plus 1/2" sacrificial wearing surface.

DESIGN STRENGTHS

To be in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

CONCRETE:
- Class "A": f'c=3,500 psi
- Class "B": f'c=3,000 psi
- Class "C": f'c=4,000 psi

REINFORCING BARS:
- Grade 60: Fy=60,000 psi

STRUCTURAL STEEL:
- ASTM A709 Grade 50W: Fy=50 ksi
- ASTM A709 Grade HPS 70W: Fy=70 ksi

CONSTRUCTION LOADING

The exterior girders have been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of exterior girder. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web. The Contractor shall use blocking or other methods to ensure beam rotation does not occur prior to or during concrete placement on exterior girders where diaphragm spacing exceeds 20 ft.

DECK FALSEWORK LOADS:
Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft. exterior walkway.

CONSTRUCTION LIVE LOAD:
Designed for 20 psf extending 2 ft. past the edge of coping and 75 plf vertical force applied at a distance of 6 inches outside the face of coping over a 30-ft. length of the deck centered with the finishing machine.

FINISHING-MACHINE LOAD:
4,500 lbs distributed over 10 ft. along the coping.

WIND LOAD:
Designed for 70 mph horizontal wind loading in according with AASHTO LRFD 3.8.1.

SEISMIC DATA

AASHTO Guide Design Specifications for LRFD Seismic Bridge Design
- Seismic Zone Category X
- S1 = X
- Site Class X
- Fv = X

Notes:
- For Plan & Elevation, see Dwg. S2.
- For Type "A" Construction Joint, see Std.Dwg.No.E702-CJTA-01.
- Superstructure will be constructed entirely during Phase 3B and no phased construction or longitudinal construction joints will be permitted.
- * See Special Provisions for Linear Barrier Delineator Requirements

Note to Reviewer:
- Seismic Data will be provided at a later submittal when the Geotechnical Investigation is available.
- Geotextile Type to be provided when Geotechnical Report is complete
- Surface Seal Quantity to be provided at Stage 3

CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER BRIDGE
3 SPANS: 115'-0", 185'-0" & 115'-0"
49'-8" CLEAR ROADWAY SKEW: 45° RT.
I-64 EB OVER I-64 EB RAMP TO I-265 EB
FLOYD COUNTY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RTW DRAWN: JF

CHECKED: TSW CHECKED: RTW

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
TYPICAL SECTION

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-121-10743 EBL
VERTICAL SCALE	DESIGNATION
AS NOTED	2200016

DRAWING NO.	SHEETS
S3 of S4	13 of 27
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\206-structure 5b i-64 eb over e-n ramp\str 5b - sht general plan.dwg | general plan typ sec | 12/5/2022 7:16:09 AM ||

PROJECT	DESIGNATION
1900162	1800721
CONTRACT	BRIDGE FILE
R-42570	I64-121-10788

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-121-10788	CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER BRIDGE	3 SPANS: 67'-0", 108'-0", 67'-0" SKEW: 45° Lt.	I-265 WB RAMP TO I-64 EB	℄ STRUCTURE STA.2296+73.13 "PR-A-WB"

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-64 WB AT: RP 121+41

PROJECT NO. 1800721 P.E.
1900162 R/W
1800721 CONST.

Bridge Replacement on I-64 WB over I-265 WB to I-64 EB Ramp
Located 2.20 Miles East of US 150 in
Section 33, T-2-S, R-6-E, New Albany Township, Floyd County, Indiana

TRAFFIC DATA		I-64 WB MAINLINE	I-265 WB TO I-64 EB
A.A.D.T.	(2019)	18,050 V.P.D.	15,110 V.P.D.
A.A.D.T.	(2046)	24,500 V.P.D.	18,340 V.P.D.
D.H.V	(2046)	3,450 V.P.H.	1,900 V.P.H.
DIRECTIONAL DISTRIBUTION		100 %	100 %
TRUCKS		13 % A.A.D.T.	7 % A.A.D.T.
		5 % D.H.V.	3 % D.H.V.
DESIGN DATA			
DESIGN SPEED		70 M.P.H.	55 M.P.H.
PROJECT DESIGN CRITERIA		4R (FREEWAY)	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION		PRINCIPAL ARTERIAL	RAMP
RURAL/URBAN		URBAN	URBAN
TERRAIN		ROLLING	ROLLING
ACCESS CONTROL		FULL	FULL

DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	I-64 ATL (LEAD)	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AEBL	STR. 1
1800405	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AWBL	STR. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road, Str.No. I64-120-10786	STR. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road, Str.No. I64-120-10742	STR. 4
1702617	Bridge Replacement on I-64 WB over I-64 EB to I-265 EB Ramp, Str.No. I64-121-10787	STR. 5A
2200016	New Bridge on I-64 EB over I-64 EB Ramp to I-265 EB, Str.No.I64-121-10743 EBL	STR. 5B
1800721	Bridge Replacement on I-64 WB over I-265 WB Ramp to I-64 EB, Str.No.I64-121-10788	STR. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp, Str.No.(I64)I265-00-10746	STR. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road, Str.No.I64-121-10744	STR. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road, Str. No. I64-121-04986 DWBL	STR. 9
1702614	Bridge Deck Overlay on I-64 over Cherry Street, Str.No. I64-122-04988 D	STR. 10
2000326 / 2000323	Bridge Deck Replacement & Widening on I-265 EB & Ramp Over State Street, Str.No. I265-00-05513 JCEB & DRCB	STR. 11
2000324	Bridge Deck Overlay on I-265 WB Over State Street, Str.No. I265-00-05513 DWBL	STR. 12
1700206	Bridge Deck Replacement I-64 EB over SR 62/ SR 64	STR. 13
1700205	Bridge Deck Replacement on I-64 WB over SR 62/ SR 64	STR. 14
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	STR. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	STR. 16
2002072	US 150 EB over Little Indian Creek, Str.No.150-22-05230 CEB	STR. 18
2002073	US 150 WB over Little Indian Creek, Str.No.150-22-05230 CWB	STR. 19
2200719	I-64 EB & WB over SR 62 / Spring Street, Str.No.I64-123-04689 C	STR. 20
2200718	I-64 WB Off-Ramp to Spring Street over I-64 WB On-Ramp from Spring Street, Str.No.I64-123-04688 D	STR. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	STR. 17
TBD	Valley View Creek (6 Small Structures and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

LOCATION MAP
SCALE: 1" = 2000'

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°18'06.37" N LONGITUDE: 85°51'00.31" W

BRIDGE LENGTH:	0.047	MI.
ROADWAY LENGTH:	*	MI.
TOTAL LENGTH:	*	MI.
MAX. GRADE:	3.05	%

* SEE DES. NO. 1900162

HUC 12: 0514010110904
HUC 14: 05140101150020

Note to Reviewer:
The list of Kinned Projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the Contract Package

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
BLN: BEAM·LONGEST·NEFF
8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | WWW.B-L-N.COM

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER

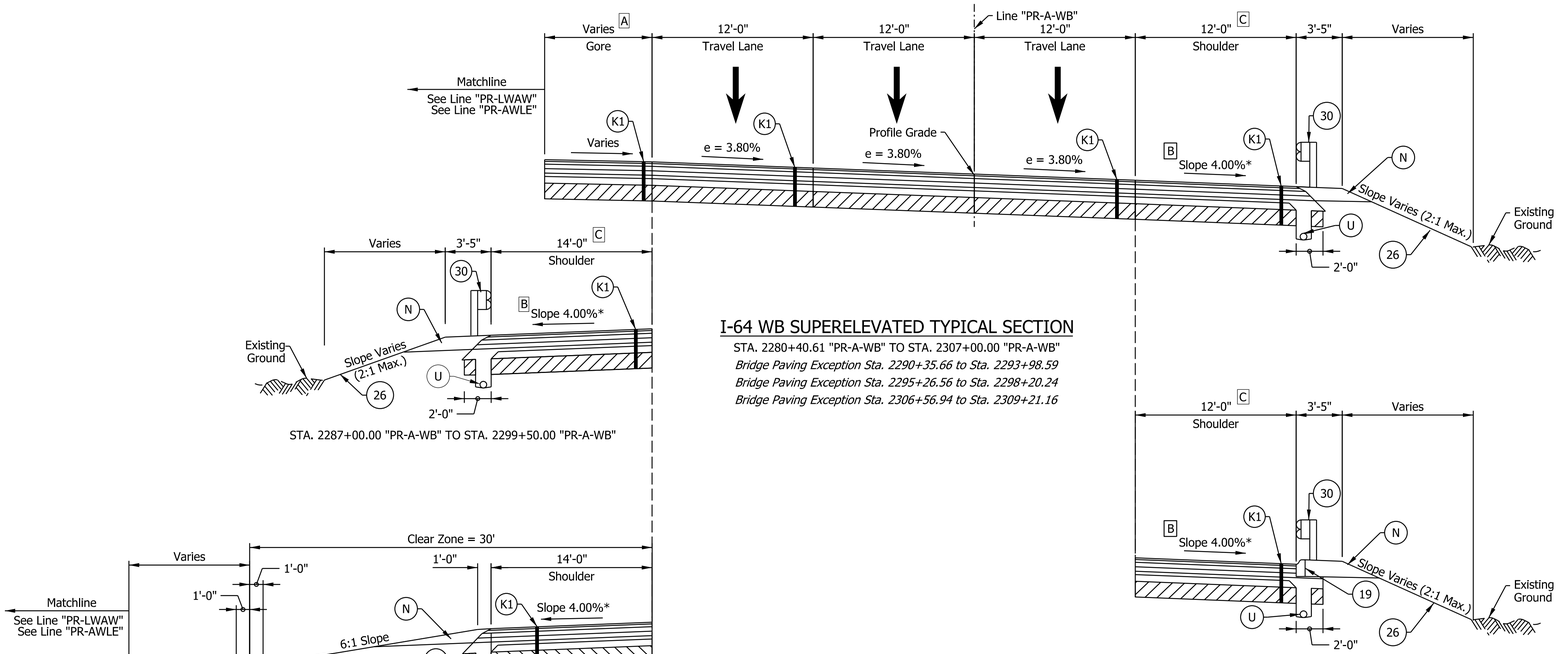
CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I64-121-10788
DESIGNATION
1800721

DRAWING NO.	SHEETS
	1 of 31
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\207-structure 6 i-64 wb over s-e ramp\str 6 - sht title sheet.dwg | title sheet | 11/30/2022 12:24:35 PM ||



I-64 WB SUPERELEVATED TYPICAL SECTION

STA. 2280+40.61 "PR-A-WB" TO STA. 2307+00.00 "PR-A-WB"

Bridge Paving Exception Sta. 2290+35.66 to Sta. 2293+98.59
Bridge Paving Exception Sta. 2295+26.56 to Sta. 2298+20.24
Bridge Paving Exception Sta. 2306+56.94 to Sta. 2309+21.16

STA. 2287+00.00 "PR-A-WB" TO STA. 2299+50.00 "PR-A-WB"

STA. 2285+45.42 "PR-A-WB" TO STA. 2289+89.13 "PR-A-WB"
STA. 2300+16.76 "PR-A-WB" TO STA. 2301+88.63 "PR-A-WB"

STA. 2294+30.00 "PR-A-WB" TO STA. 2295+95 "PR-A-WB"

STA. 2298+43.00 "PR-A-WB" TO STA. 2306+58.50 "PR-A-WB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

* Max rollover between shoulder and travel lane not to exceed 8%.

A Gore width varies from 0'-0" at Sta. 2280+40.61 to 25'-0" at Sta. 2285+45.42
Gore width varies from 30'-0" at Sta. 2301+88.63 to 0'-0" at Sta. 2306+96.82

B Shoulder slope to rotate to match adjacent lane slope on the bridges over the interior system interchange ramps and Captain Frank Road.

C Right shoulder width shall be 12'-4" from Sta. 2290+12.15 to Sta. 2298+43.00

NOTE TO REVIEWER
Coordination with Geotech is in progress. Retaining Wall Details will be Refined in future Submittals

NOTE TO REVIEWER
2-foot lane extensions at the shoulders will be reviewed and implemented where applicable in a future submittal.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: CGR

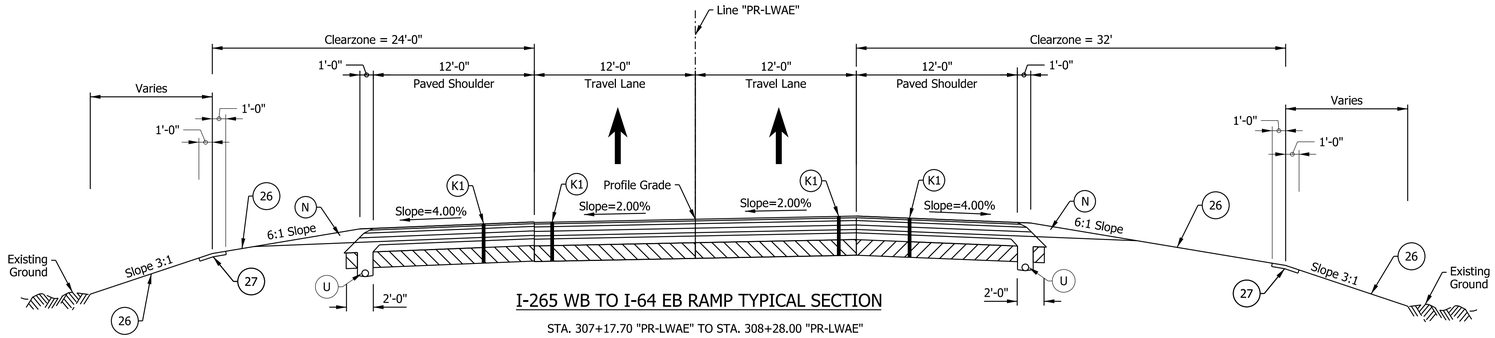
CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 WESTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

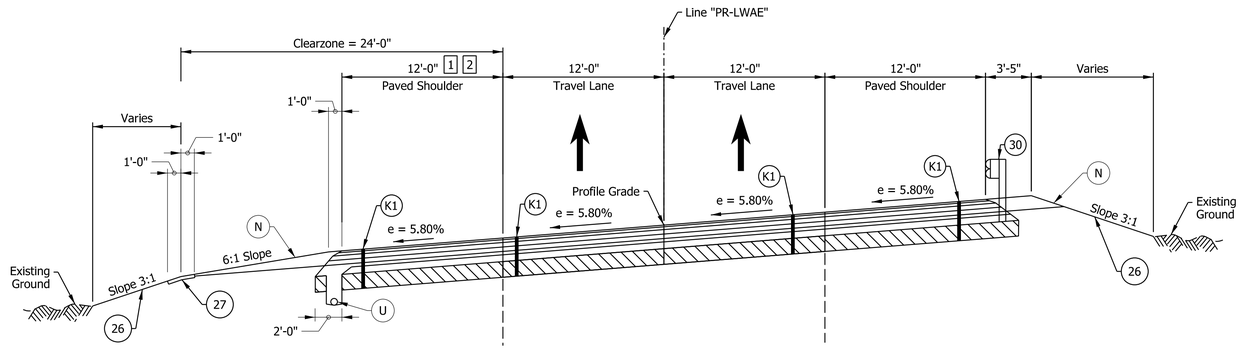
HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS TS-13
ELECTRONIC	3 of 31
CONTRACT	PROJECT
R-42570	1900162



I-265 WB TO I-64 EB RAMP TYPICAL SECTION

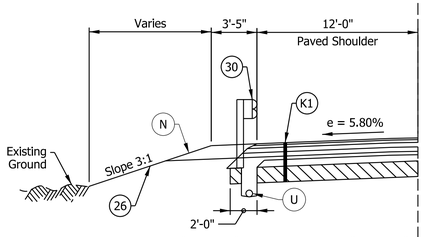
STA. 307+17.70 "PR-LWAE" TO STA. 308+28.00 "PR-LWAE"



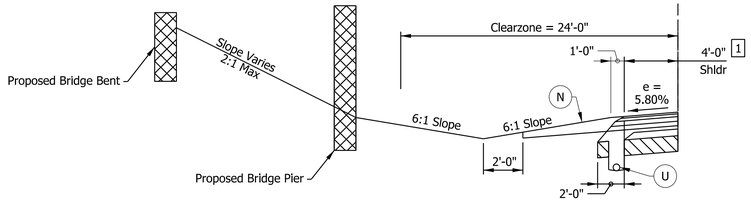
I-265 WB TO I-64 EB RAMP SUPERELEVATED TYPICAL SECTION

STA. 308+28.00 "PR-LWAE" TO STA. 325+31.57 "PR-LWAE"

Bridge Paving Exception Sta. 313+47.85 to Sta. 316+77.09 "PR-LWAE"



STA. 312+31.00 "PR-LWAE" TO STA. 313+20.00 "PR-LWAE"
STA. 323+90.10 "PR-LWAE" TO STA. 325+31.57 "PR-LWAE"



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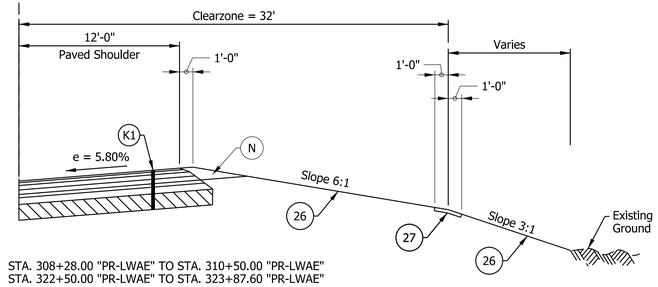

STA. 308+28.00 "PR-LWAE" TO STA. 310+50.00 "PR-LWAE"
STA. 322+50.00 "PR-LWAE" TO STA. 323+87.60 "PR-LWAE"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

1 Paved Shoulder width varies from 12'-0" at 313+00.00 to 12'-4" at 313+15.00
Paved shoulder width varies from 12'-4" at 316+70.00 to 12'-0" at 316+85.00

2 Paved Shoulder width varies from 12'-0" at Sta. 317+00.00 to 6'-0" at Sta. 319+00.00
Paved Shoulder width is 6'-0" from Sta. 319+00.00 to 329+86.38

NOTE TO REVIEWER	NOTE TO REVIEWER
Locations and details for underdrain trenches and pipes will be reviewed further for the next submittal.	Refer to bridge plans for additional information related to slope paving adjacent to piers/bents

FOR INFORMATION ONLY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DFK DRAWN: JKH

CHECKED: ADR CHECKED: ADR

INDIANA DEPARTMENT OF TRANSPORTATION

I-64 / I-265 INTERCHANGE RAMPS
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS	TS-36
ELECTRONIC	4 of	31
CONTRACT	PROJECT	
R-42570	1900162	

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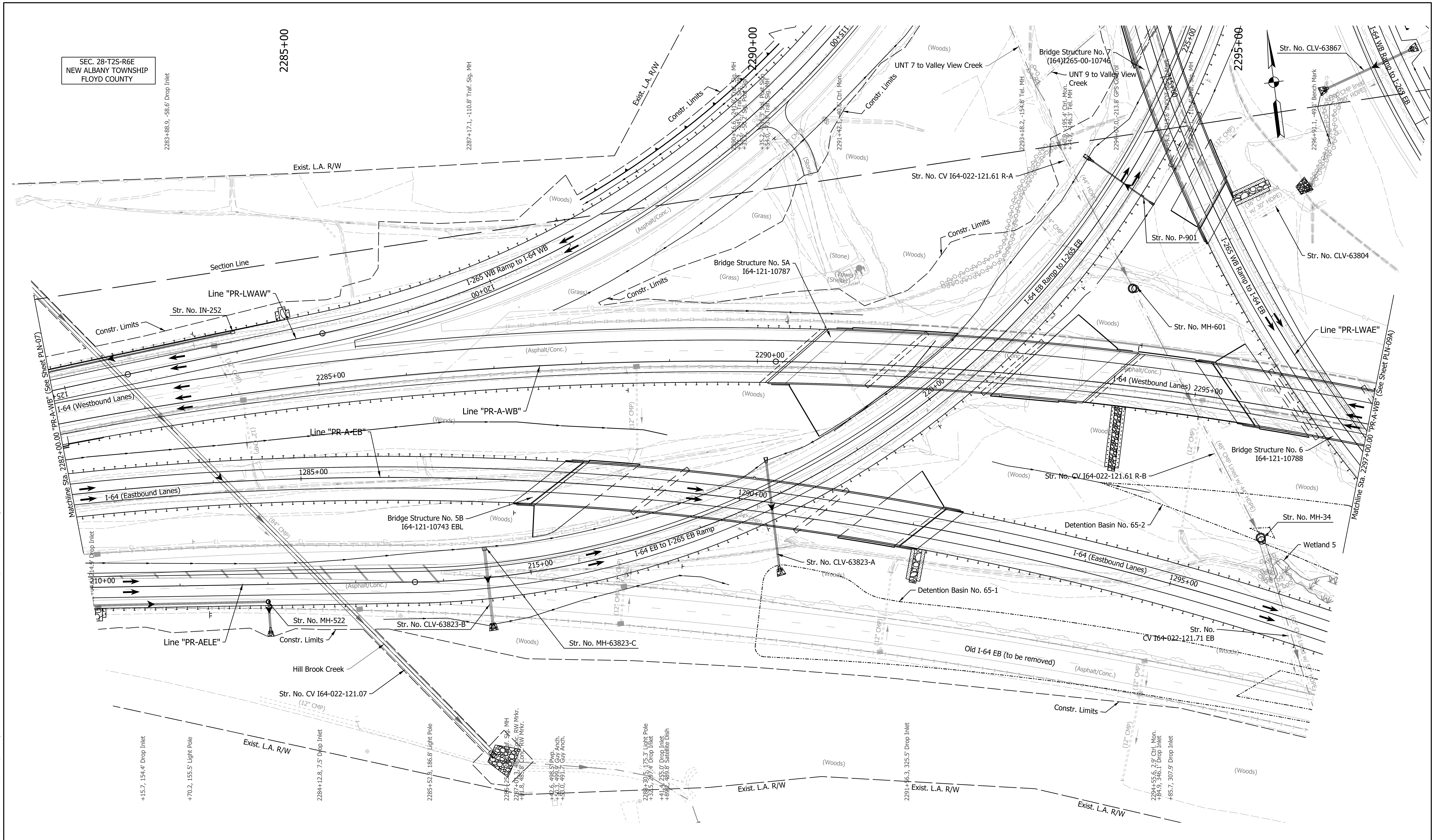

Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER ______ DATE

DESIGNED:	SGM	DRAWN:	RJS
CHECKED:	KRC	CHECKED:	KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A-WB"
STA. 2282+00 TO STA. 2297+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-08A
ELECTRONIC	5 of 31
CONTRACT	PROJECT
R-42570	1900162

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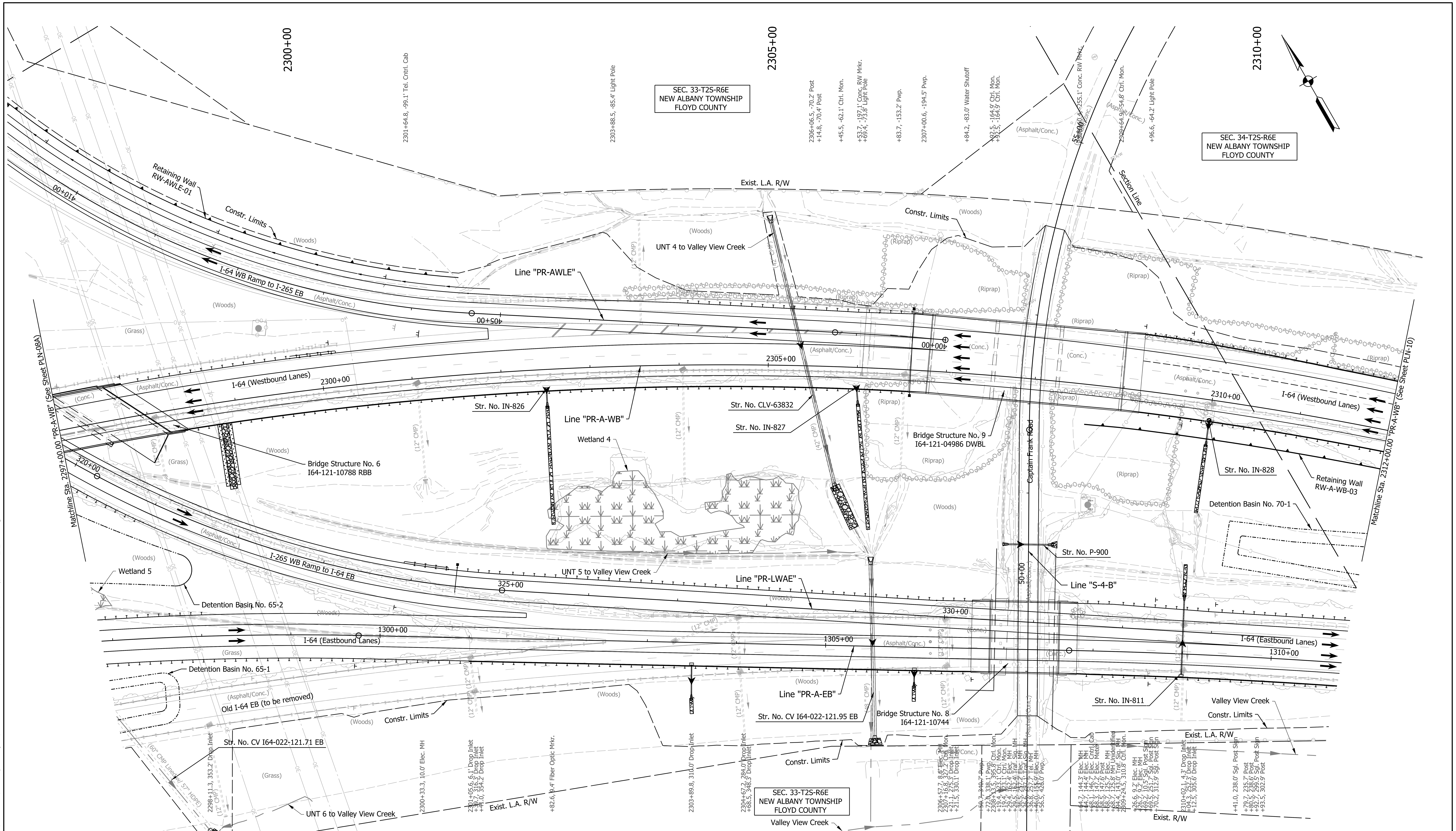

Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER | DATE

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-09A
ELECTRONIC	7 of 31
CONTRACT	PROJECT
R-42570	1900162

DESIGNED: SGM | DRAWN: RJS
CHECKED: KRC | CHECKED: KRC

PLAN SHEET
LINE "PR-A-WB"
STA. 2297+00 TO STA. 2312+00

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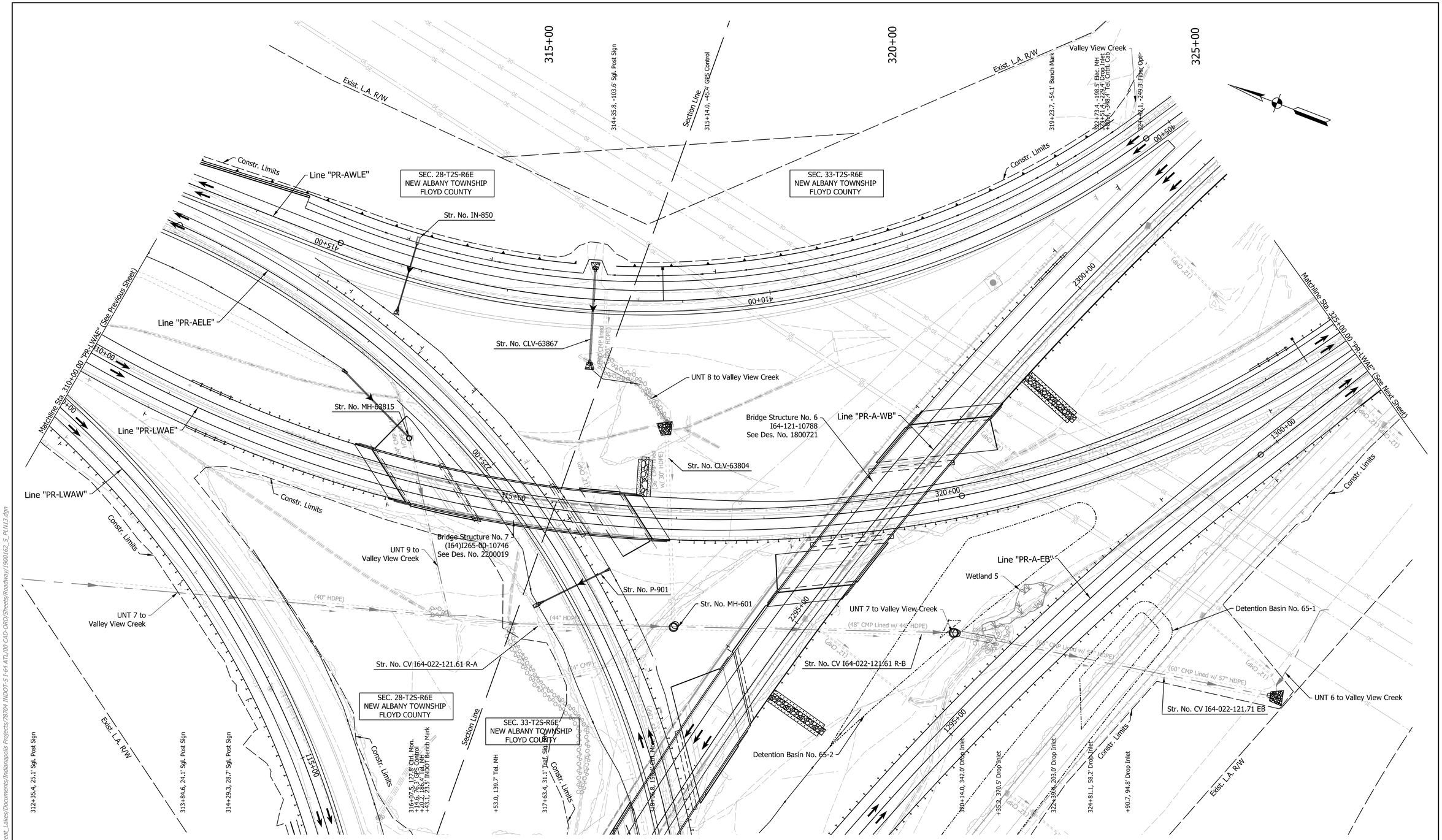

Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: RJS
CHECKED: KRC CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-LWAE"
STA. 310+00 TO STA. 325+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS PLN-47
ELECTRONIC	9 of 31
CONTRACT	PROJECT
R-42570	1900162

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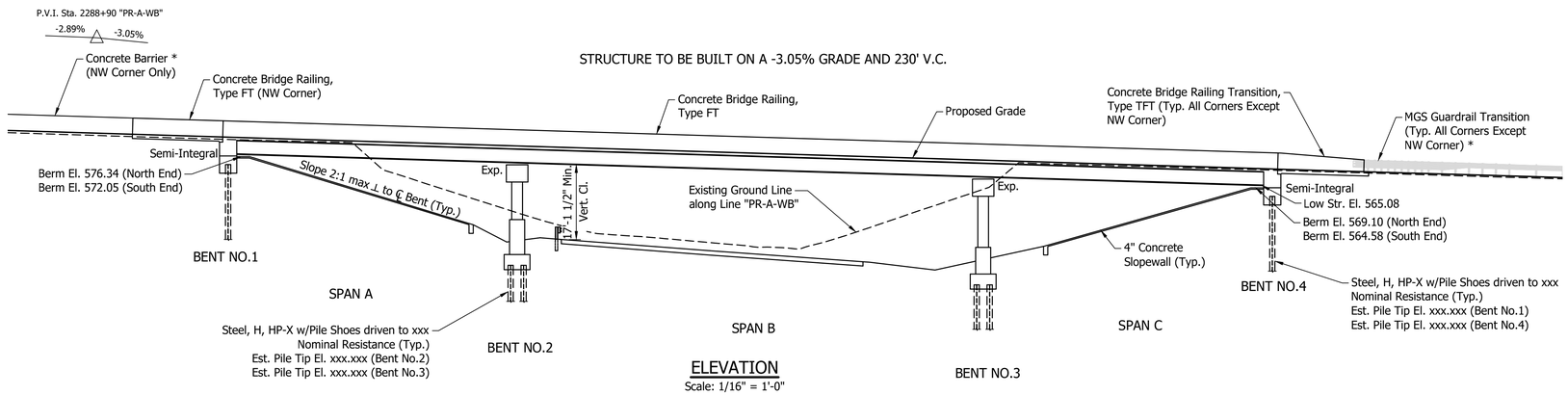
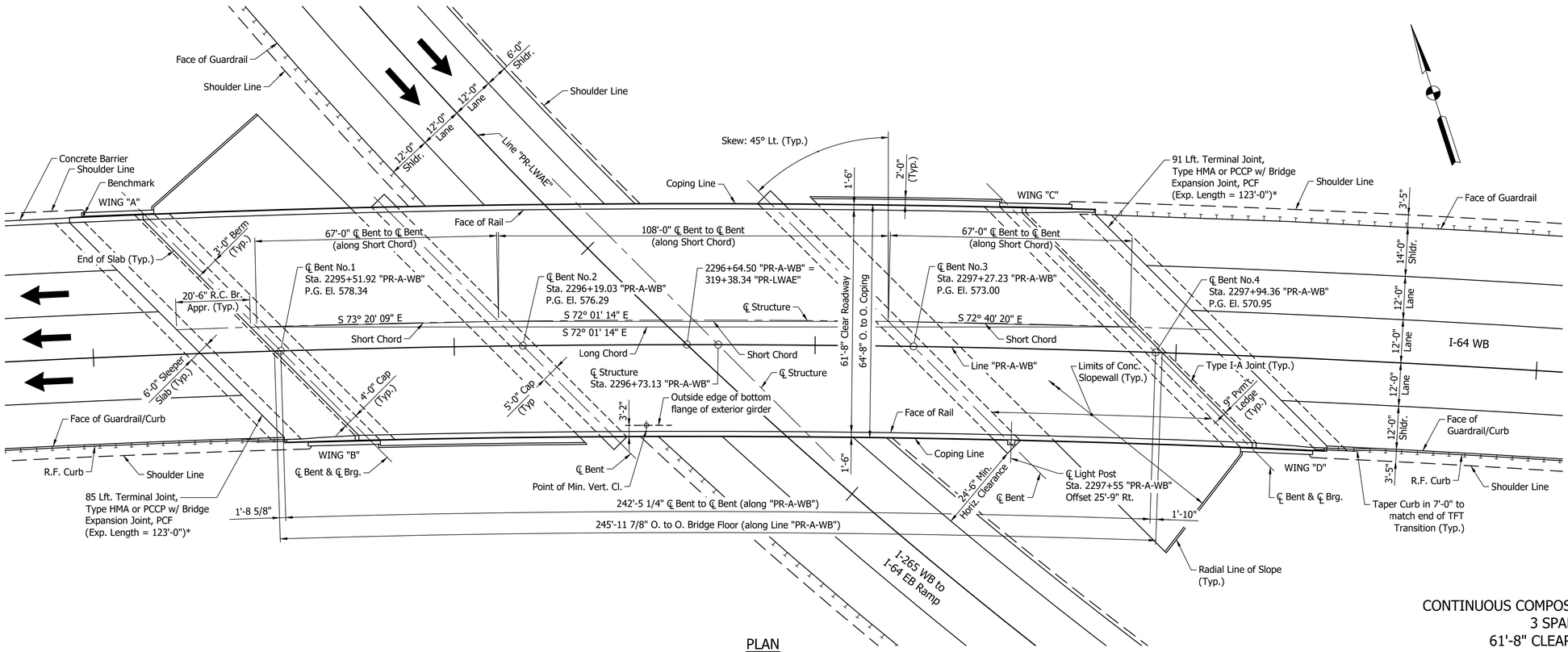


ELEVATION
Scale: 1/16" = 1'-0"

Note to Reviewer:
- Impact Attenuators are being evaluated for the proposed pier on the inside of the curve of the ramp alignment.
- The Geotechnical Investigation is currently underway. Soil borings, Pile Size and Type will be added at a future submittal.
- Discussions are ongoing regarding the use of squared or skewed RCBA's and Terminal Joint Type based on Optional Bid Pavement Sections. Details will be finalized for the Stage 3 submission.



PLAN
Scale: 1/16" = 1'-0"

Notes:
For Typical Section & General Notes, see Dwg. S4.
For Type IA Joint, see Std.Dwg.No.E609-BRJT-01.
* Roadway Item. See Des. No. 1900162 for Details.

CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER BRIDGE
3 SPANS: 67'-0", 108'-0" & 67'-0"
61'-8" CLEAR ROADWAY SKEW: 45° LT.
I-64 WB OVER I-265 WB TO I-64 EB RAMP
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: TSW DRAWN: JF
CHECKED: AJC CHECKED: AJC

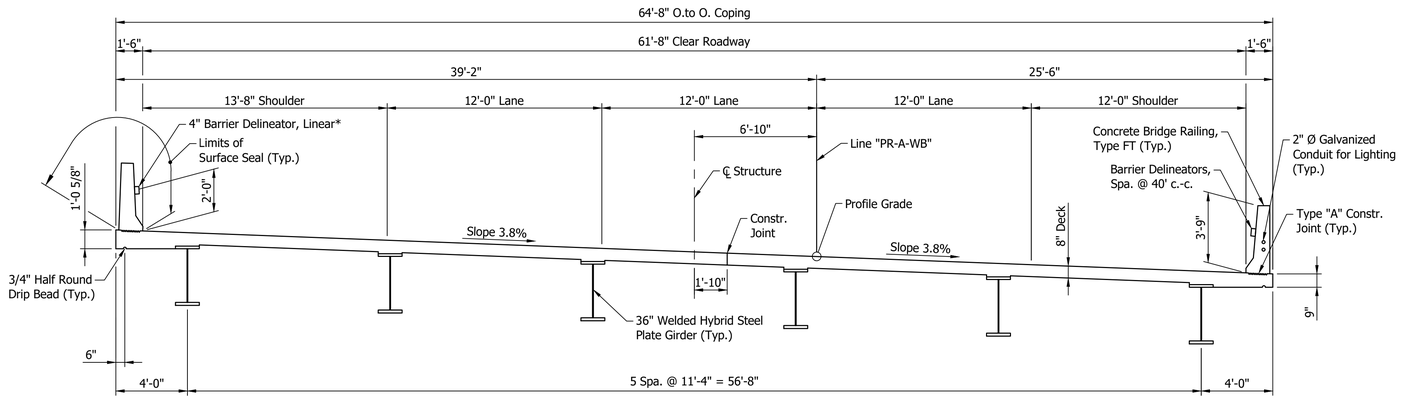
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-121-10788
VERTICAL SCALE	DESIGNATION
AS NOTED	1800721

DRAWING NO.	SHEETS
S2 of S5	15 of 31
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\207-structure 6 i-64 wb over s-e ramp\str 6 - sht general plan.dwg | general plan | 11/30/2022 12:25:09 PM ||



TYPICAL SECTION

Scale: 1/4" = 1'-0"

Note to Reviewer:
- Seismic Data will be provided at a later submittal when the Geotechnical Investigation is available.
- Surface Seal Quantity to be provided at Stage 3

Notes:
For Plan & Elevation, see Dwg. S2.
For Type "A" Construction Joint, see Std.Dwg.No.E702-CJTA-01.
* See Special Provisions for Linear Barrier Delineator Requirements

GENERAL NOTES

Reinforcing bar covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, 3" in footings except for bottom bars which shall be 4" and 2" in all other parts, unless otherwise noted.

Reinforcing bars in deck, barrier, end bent diaphragms and end bent caps shall be epoxy coated, unless otherwise noted.

All exposed faces of the concrete bridge railings, concrete railing transitions, wings and end bents to be sealed in accordance with Article 702.21 of the Specifications. (Estimated Quantity = XXXX Sft.)

Concrete in deck and Semi-integral end bents to be Class "C".

DESIGN DATA

LIVE LOAD
Designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

DEAD LOAD
Actual weight plus 35 psf (composite) for future wearing surface and 15 psf (non-composite) for permanent metal deck forms.

FLOOR SLAB
Designed with 7 1/2" structural depth plus 1/2" sacrificial wearing surface.

DESIGN STRENGTHS
To be in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

CONCRETE:
- Class "A": f'c=3,500 psi
- Class "B": f'c=3,000 psi
- Class "C": f'c=4,000 psi

REINFORCING BARS:
- Grade 60: Fy=60,000 psi

STRUCTURAL STEEL:
- ASTM A709 Grade 50W: Fy=50 ksi
- ASTM A709 Grade HPS 70W: Fy=70 ksi

CONSTRUCTION LOADING

The exterior girders have been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of exterior girder. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web. The Contractor shall use blocking or other methods to ensure girder rotation does not occur prior to or during concrete placement on exterior girders where diaphragm spacing exceeds 20 ft.

DECK FALSEWORK LOADS:
Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft. exterior walkway.

CONSTRUCTION LIVE LOAD:
Designed for 20 psf extending 2 ft. past the edge of coping and 75 plf vertical force applied at a distance of 6 inches outside the face of coping over a 30-ft. length of the deck centered with the finishing machine.

FINISHING-MACHINE LOAD:
4,500 lbs distributed over 10 ft. along the coping.

WIND LOAD:
Designed for 70 mph horizontal wind loading in according with AASHTO LRFD 3.8.1.

SEISMIC DATA
AASHTO Guide Design Specifications for LRFD Seismic Bridge Design
- Seismic Zone Category X
- S1 = X
- Site Class X
- Fv = X

CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER BRIDGE
3 SPANS: 67'-0", 108'-0" & 67'-0"
61'-8" CLEAR ROADWAY SKEW: 45° LT.
I-64 WB OVER I-265 WB TO I-64 EB RAMP
FLOYD COUNTY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TSW | DRAWN: JF

CHECKED: AJC | CHECKED: AJC

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
TYPICAL SECTION

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-121-10788
VERTICAL SCALE	DESIGNATION
AS NOTED	1800721

DRAWING NO.	SHEETS
S3 of S5	16 of 31
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\207-structure 6 i-64 wb over s-e ramp\str 6 - sht general plan.dwg | general plan typ sec | 11/30/2022 12:25:10 PM ||

PROJECT	DESIGNATION
1900162	2200019
CONTRACT	BRIDGE FILE
R-42570	(I64)I265-00-10746

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
(I64)I265-00-10746	CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER	3 SPANS: 79'-0", 126'-0" & 79'-0" SKEW: 42° LT.	I-64 EB TO I-265 EB RAMP	℄ STRUCTURE STA. 315+12.84 "PR-LWAE"

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-265 WB TO I-64 EB RAMP AT: RP 0+27

PROJECT NO. 2200019 P.E.
1900162 R/W
2200019 CONST.

TRAFFIC DATA		I-265 WB TO I-64 EB RAMP	I-64 EB TO I-265 EB RAMP
A.A.D.T.	(2019)	15,110 V.P.D.	16,500 V.P.D.
A.A.D.T.	(2046)	18,340 V.P.D.	22,650 V.P.D.
D.H.V	(2046)	1,900 V.P.H.	1,290 V.P.H.
DIRECTIONAL DISTRIBUTION		100 %	100 %
TRUCKS		7 % A.A.D.T.	8 % A.A.D.T.
		3 % D.H.V.	9 % D.H.V.
DESIGN DATA			
DESIGN SPEED		55 M.P.H.	55 M.P.H.
PROJECT DESIGN CRITERIA		RECONSTRUCTION (FREEWAY)	RECONSTRUCTION (FREEWAY)
FUNCTIONAL CLASSIFICATION		RAMP	RAMP
RURAL/URBAN		URBAN	URBAN
TERRAIN		ROLLING	ROLLING
ACCESS CONTROL		FULL	FULL

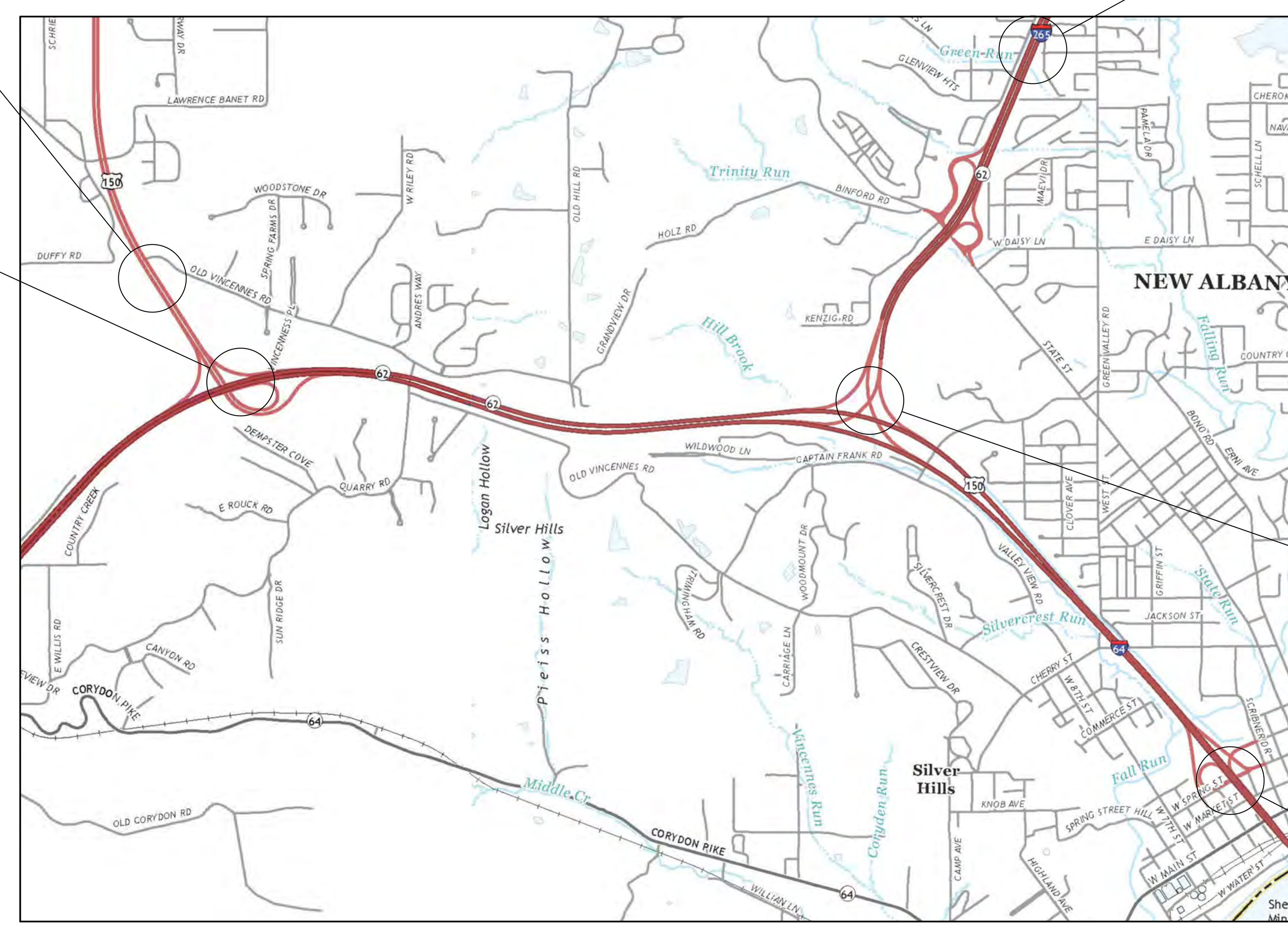
DESIGNATION	PROJECT DESCRIPTION	
ROAD		
1900162	I-64 ATL	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
BRIDGE		
1800706	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AEBL	STR. 1
1800405	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AWBL	STR. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road, Str.No. I64-120-10786	STR. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road, Str.No. I64-120-10742	STR. 4
1702617	Bridge Replacement on I-64 WB over I-64 EB to I-265 EB Ramp, Str.No. I64-121-10787	STR. 5A
2200016	New Bridge on I-64 EB over I-64 EB Ramp to I-265 EB, Str.No.I64-121-10743 EBL	STR. 5B
1800721	Bridge Replacement on I-64 WB over I-265 WB Ramp to I-64 EB, Str.No.I64-121-10788	STR. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp, Str.No.(I64)I265-00-10746	STR. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road, Str.No.I64-121-10744	STR. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road, Str. No. I64-121-04986 DWBL	STR. 9
1702614	Bridge Deck Overlay on I-64 over Cherry Street, Str.No. I64-122-04988 D	STR. 10
2000326 / 2000323	Bridge Deck Replacement & Widening on I-265 EB & Ramp Over State Street, Str.No. I265-00-05513 JCEB & DRCB	STR. 11
2000324	Bridge Deck Overlay on I-265 WB Over State Street, Str.No. I265-00-05513 DWBL	STR. 12
1700206	Bridge Deck Replacement I-64 EB over SR 62/ SR 64	STR. 13
1700205	Bridge Deck Replacement on I-64 WB over SR 62/ SR 64	STR. 14
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	STR. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	STR. 16
2002072	US 150 EB over Little Indian Creek, Str.No.150-22-05230 CEB	STR. 18
2002073	US 150 WB over Little Indian Creek, Str.No.150-22-05230 CWB	STR. 19
2200719	I-64 EB & WB over SR 62 / Spring Street, Str.No.I64-123-04689 C	STR. 20
2200718	I-64 WB Off-Ramp to Spring Street over I-64 WB On-Ramp from Spring Street, Str.No.I64-123-04688 D	STR. 21
DRAINAGE		
TBD	US 150 Twin Arch Pipe Liner	STR. 17
TBD	Valley View Creek (6 Small Structures and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp
Located 0.25 Miles East of I-64 in
Sections 28 & 33, T-2-S, R-6-E, New Albany Township, Floyd County, Indiana

BEGIN CONSTRUCTION
Sta.1025+38.31 Line "PR-U-WB"

BEGIN PROJECT
Sta.1180+86.02 Line "PR-A-EB"

END CONSTRUCTION
Sta.2077+97.42 Line "PR-L-EB"



STRUCTURE LOCATION
℄ Str.-Sta.315+12.84 Line "PR-LWAE"

END PROJECT
Sta.1393+50.00 Line "PR-A-EB"

LOCATION MAP
SCALE: 1" = 2000'

PROJECT LOCATION SHOWN BY ▬
FLOYD COUNTY

LATITUDE: 38°18'9.50" N LONGITUDE: 85°51'1.87" W

BRIDGE LENGTH: 0.054 MI.
ROADWAY LENGTH: * MI.
TOTAL LENGTH: * MI.
MAX. GRADE: 5.00 %

* SEE DES. NO. 1900162

HUC 12: 051401010904
HUC 14: 05140101150020

Note to Reviewer:
The list of Kinned Projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the Contract Package

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
BEAM·LONGEST·NEFF
8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | WWW.B-L-N.COM

DRAFT
NOT FOR CONSTRUCTION

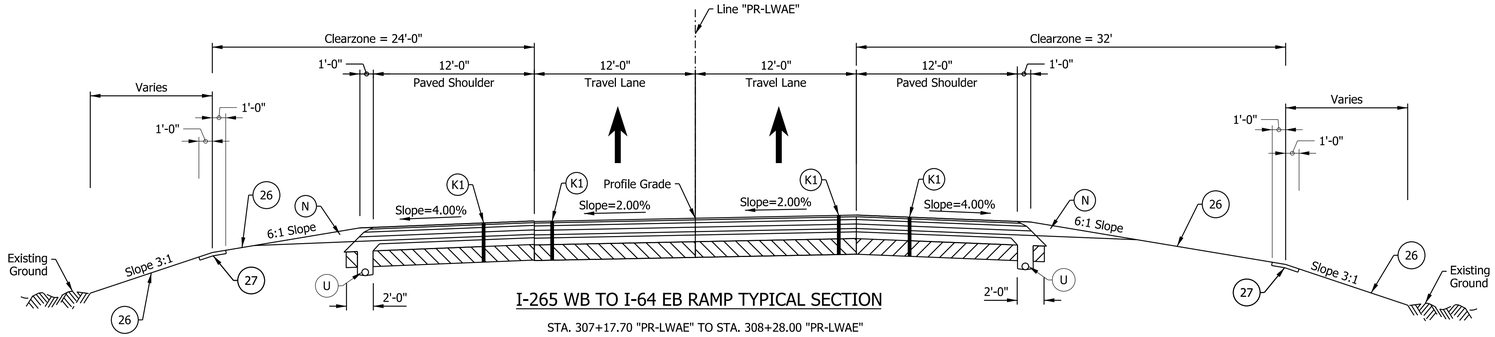
PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER

CERTIFIED BY: ____ DATE

APPROVED FOR LETTING: ____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

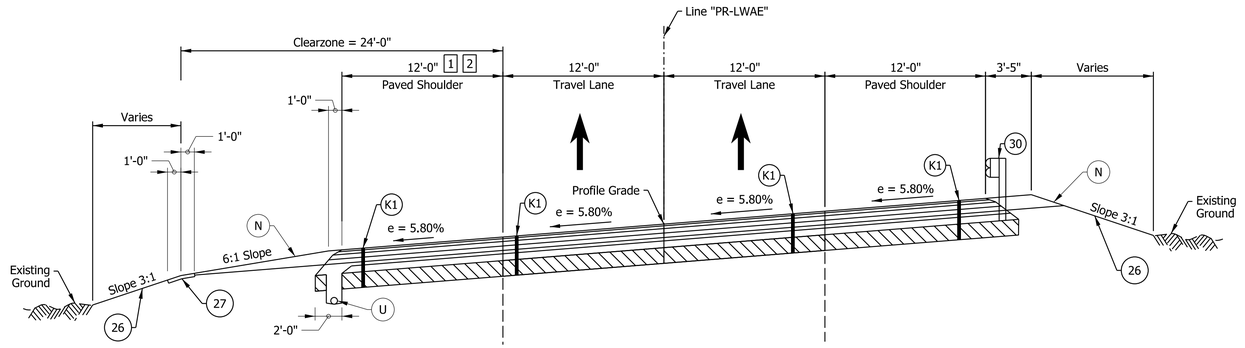
BRIDGE FILE	
(I64)I265-00-10746	
DESIGNATION	
2200019	
DRAWING NO.	SHEETS
	1 of 25
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\209-structure 7 s-e ramp over e-n ramp\str 7 - sht title sheet.dwg | title sheet | 12/5/2022 7:22:04 AM ||



I-265 WB TO I-64 EB RAMP TYPICAL SECTION

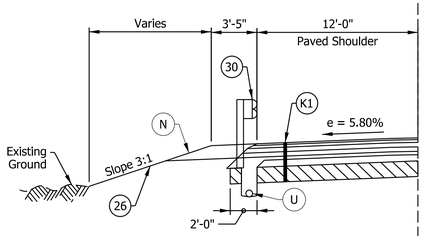
STA. 307+17.70 "PR-LWAE" TO STA. 308+28.00 "PR-LWAE"



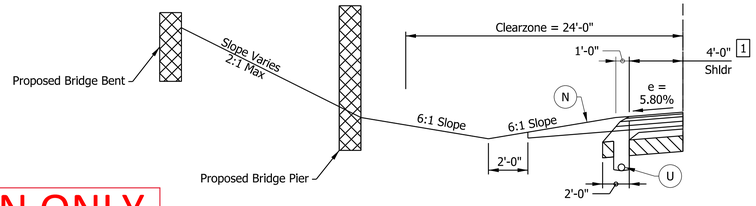
I-265 WB TO I-64 EB RAMP SUPERELEVATED TYPICAL SECTION

STA. 308+28.00 "PR-LWAE" TO STA. 325+31.57 "PR-LWAE"

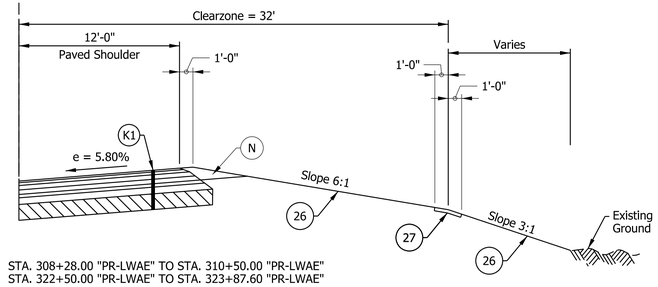
Bridge Paving Exception Sta. 313+47.85 to Sta. 316+77.09 "PR-LWAE"



STA. 312+31.00 "PR-LWAE" TO STA. 313+20.00 "PR-LWAE"
STA. 323+90.10 "PR-LWAE" TO STA. 325+31.57 "PR-LWAE"



STA. 319+20.00 "PR-LWAE" TO STA. 320+50.00 "PR-LWAE"



STA. 308+28.00 "PR-LWAE" TO STA. 310+50.00 "PR-LWAE"
STA. 322+50.00 "PR-LWAE" TO STA. 323+87.60 "PR-LWAE"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

1 Paved Shoulder width varies from 12'-0" at 313+00.00 to 12'-4" at 313+15.00
Paved shoulder width varies from 12'-4" at 316+70.00 to 12'-0" at 316+85.00

2 Paved Shoulder width varies from 12'-0" at Sta. 317+00.00 to 6'-0" at Sta. 319+00.00
Paved Shoulder width is 6'-0" from Sta. 319+00.00 to 329+86.38

FOR INFORMATION ONLY

NOTE TO REVIEWER
Locations and details for underdrain trenches and pipes will be reviewed further for the next submittal.

NOTE TO REVIEWER
Refer to bridge plans for additional information related to slope paving adjacent to piers/bents

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DFK DRAWN: JKH

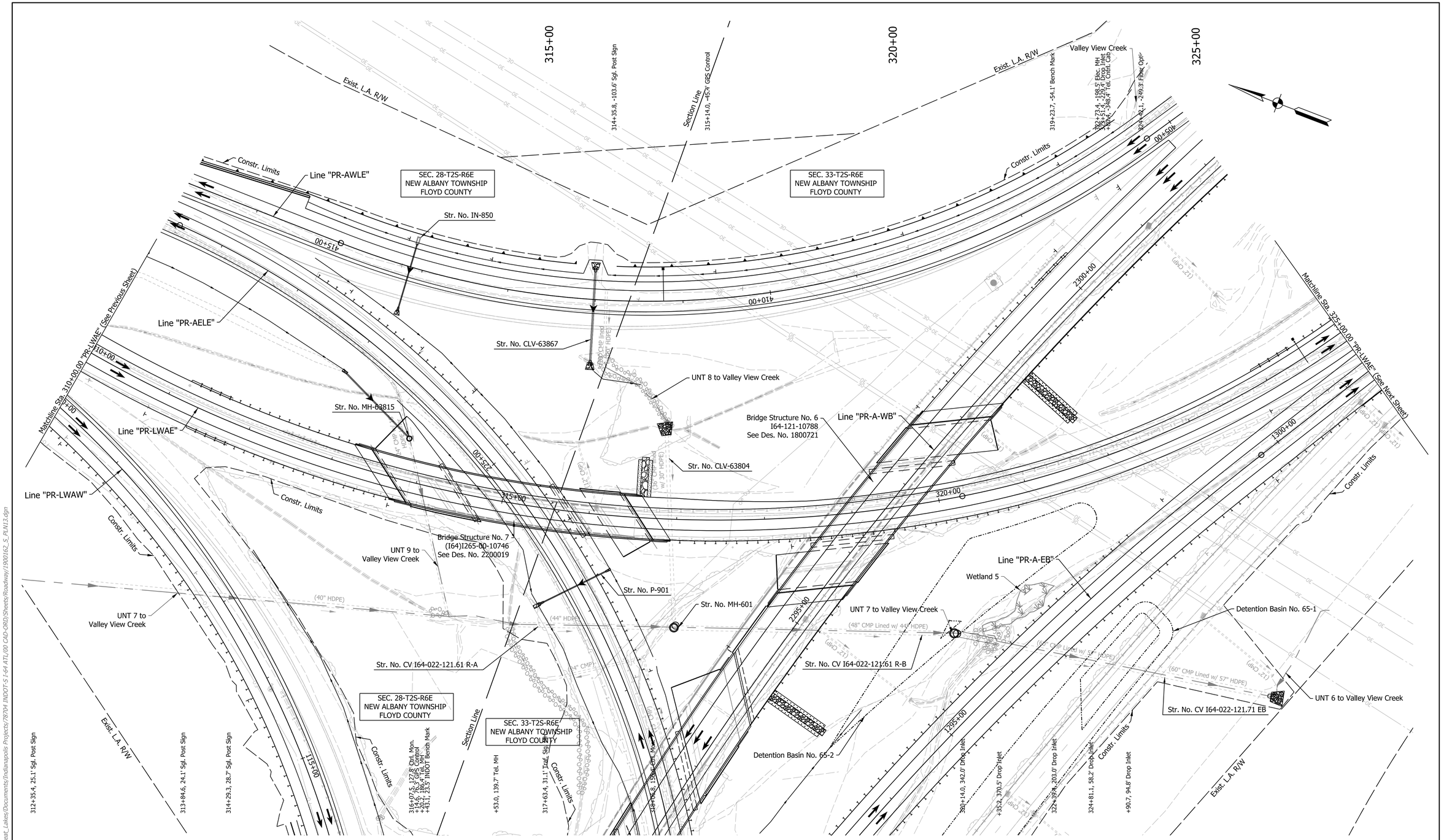
CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 / I-265 INTERCHANGE RAMPS
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS TS-36
ELECTRONIC	3 of 25
CONTRACT	PROJECT
R-42570	1900162



Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: RJS
CHECKED: KRC CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-LWAE"
STA. 310+00 TO STA. 325+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-47
ELECTRONIC	4 of 25
CONTRACT	PROJECT
R-42570	1900162

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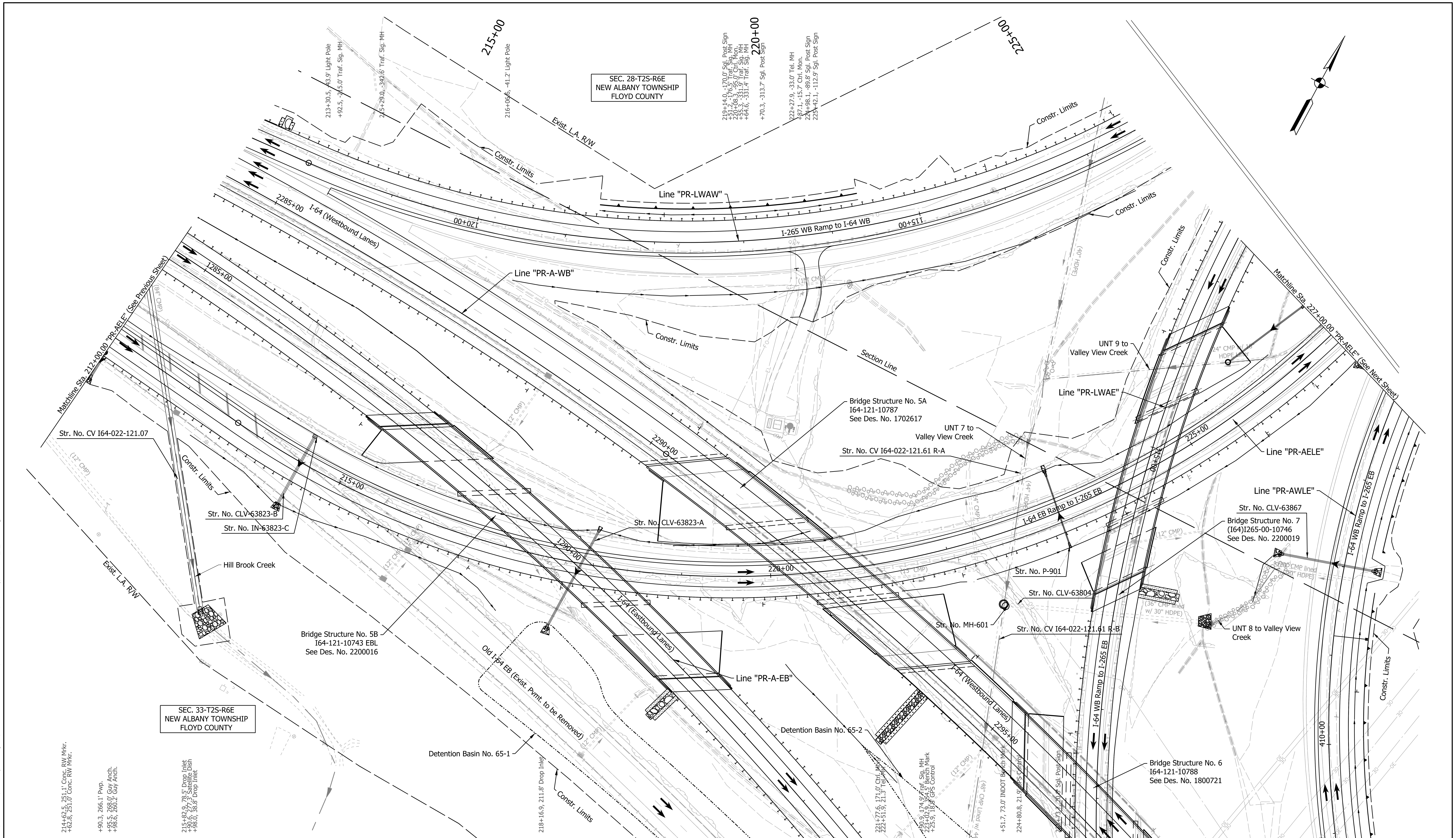

SEC. 28-T2S-R6E
NEW ALBANY TOWNSHIP
FLOYD COUNTY
215+00
220+00
225+00
Exist. L.A. R/W
Constr. Limits
Line "PR-LWAW"
I-265 WB Ramp to I-64 WB
120+00
115+00
2285+00
I-64 (Westbound Lanes)
Line "PR-A-WB"
1285+00
Matchline Sta. 212+00.00 "PR-AELE" (See Previous Sheet)
Matchline Sta. 227+00.00 "PR-AELE" (See Next Sheet)
Section Line
UNT 9 to
Valley View Creek
Line "PR-LWAE"
Bridge Structure No. 5A
I64-121-10787
See Des. No. 1702617
UNT 7 to
Valley View Creek
Str. No. CV I64-022-121.61 R-A
Line "PR-AELE"
Line "PR-AWLE"
225+00
2290+00
Str. No. CV I64-022-121.07
215+00
I-64 EB Ramp to I-265 EB
Str. No. CLV-63867
Bridge Structure No. 7
(I64)I265-00-10746
See Des. No. 2200019
Str. No. CLV-63823-B
Str. No. IN-63823-C
Str. No. CLV-63823-A
1290+00
220+00
Str. No. P-901
Str. No. CLV-63804
Hill Brook Creek
I-64 (Eastbound Lanes)
Str. No. MH-601
Str. No. CV I64-022-121.61 R-B
UNT 8 to Valley View
Creek
I-64 WB Ramp to I-265 EB
Bridge Structure No. 5B
I64-121-10743 EBL
See Des. No. 2200016
Line "PR-A-EB"
Old I-64 EB (Exist. Pvmt. to be Removed)
I-64 (Westbound Lanes)
2295+00
Detention Basin No. 65-2
Detention Basin No. 65-1
I-64 WB Ramp to I-265 EB
410+00
Bridge Structure No. 6
I64-121-10788
See Des. No. 1800721
SEC. 33-T2S-R6E
NEW ALBANY TOWNSHIP
FLOYD COUNTY

Note:
For Geometric information see Geometric Layout Sheets
GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED:	SGM	DRAWN:	RJS
CHECKED:	KRC	CHECKED:	KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-AELE"
STA. 212+00 TO STA. 227+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-40
ELECTRONIC	6 of 25
CONTRACT	PROJECT
R-42570	1900162

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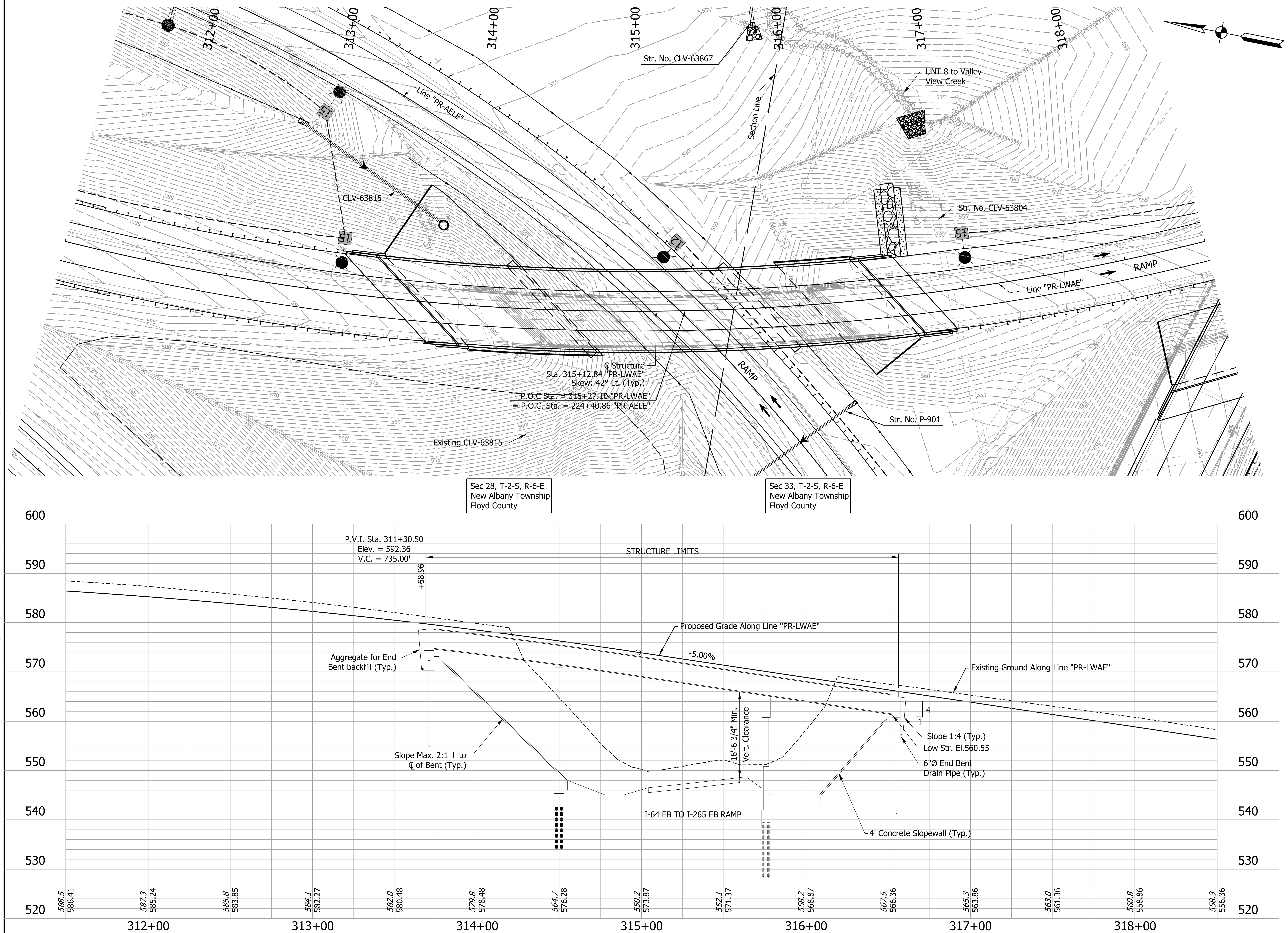

EXISTING STRUCTURE

Existing structure (I-64)I265-00-05228 B is a Three-span (62'-0", 103'-0" & 31'-0") Continuous Composite Welded Plate Girder Bridge with a 29'-2⅜" Clear Roadway (To Be Removed)

EARTHWORK TABULATION

For Earthwork Summary, See Road Plans Des. No. 1900162

HORIZONTAL CURVE DATA FOR LINE "PR-AELE"

CURVE 49
P.I. 224+00.52 "PR-AELE"
Δ = 93°29'31.14" LT
D = 05°53'40.66"
R = 972.00'
T = 1033.12'
L = 1586.05'
E = 446.49'
e = 6.00%

HORIZONTAL CURVE DATA FOR LINE "PR-LWAE"

CURVE 59
P.I. 314+65.32 "PR-LWAE"
Δ = 47°54'24.72" LT
D = 03°59'48.61"
R = 1433.53'
T = 636.85'
L = 1198.62'
E = 135.10'
e = 5.80%

NOTE:

For Reference Ties and Benchmarks, See Road Plans Des. No. 1900162.
For Ditch Grades & Guardrail Limits, See Plan & Profile Sheet of Road Plans, Des. No. 1900162.
For existing and proposed utilities, drainage, lighting, signing, and ITS, see Des. No. 1900162.

CONTINUOUS COMPOSITE CURVED
STEEL PLATE GIRDER BRIDGE
3 SPANS: 79'-0", 126'-0" & 79'-0"
47'-8" CLEAR ROADWAY SKEW: 42° LT.
I-265 WB TO I-64 EB RAMP
OVER I-64 EB TO I-265 EB RAMP
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: KB	DRAWN: JP		
CHECKED: TSW	CHECKED: KB		

INDIANA
DEPARTMENT OF TRANSPORTATION

LAYOUT - LINE "PR-LWAE"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	(I64)I265-00-10746
VERTICAL SCALE	DESIGNATION
1"=10'	2200019
DRAWING NUMBER	SHEETS
S1 of S5	11 of 25
CONTRACT	PROJECT
R-42570	1900162

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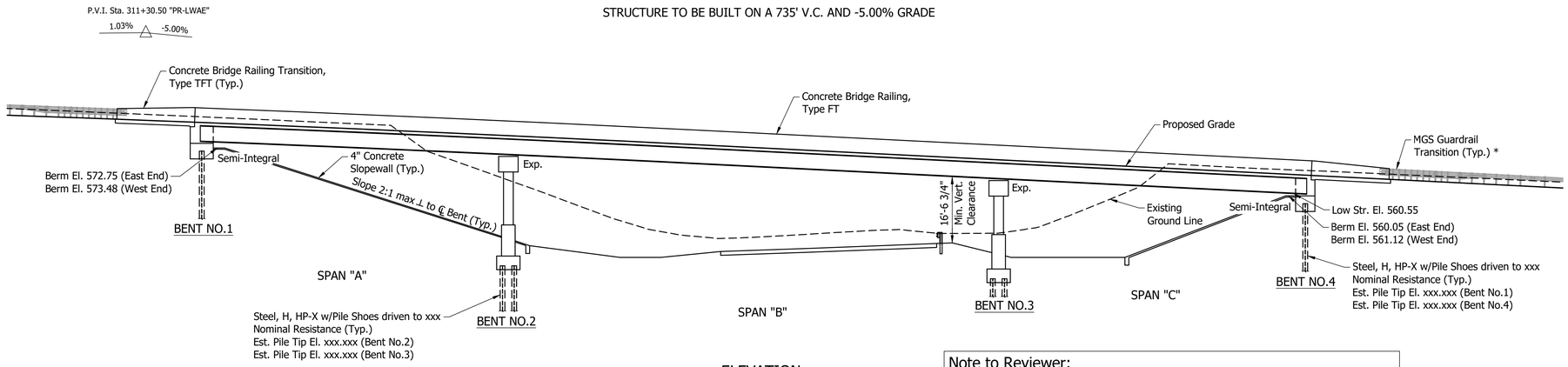
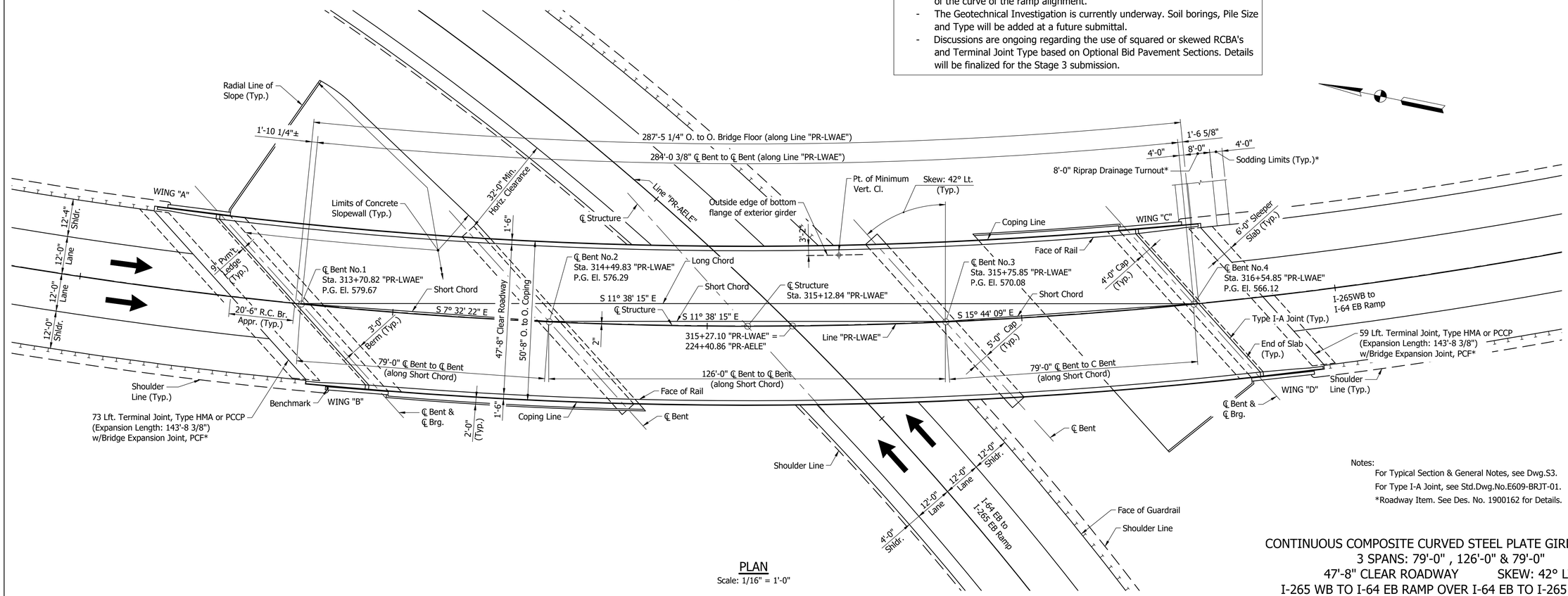


ELEVATION
Scale: 1/16" = 1'-0"

Note to Reviewer:

- Impact Attenuators are being evaluated for the proposed pier on the inside of the curve of the ramp alignment.
- The Geotechnical Investigation is currently underway. Soil borings, Pile Size and Type will be added at a future submittal.
- Discussions are ongoing regarding the use of squared or skewed RCBA's and Terminal Joint Type based on Optional Bid Pavement Sections. Details will be finalized for the Stage 3 submission.



PLAN
Scale: 1/16" = 1'-0"

Notes:
For Typical Section & General Notes, see Dwg.S3.
For Type I-A Joint, see Std.Dwg.No.E609-BRJT-01.
*Roadway Item. See Des. No. 1900162 for Details.

CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER BRIDGE
3 SPANS: 79'-0" , 126'-0" & 79'-0"
47'-8" CLEAR ROADWAY SKEW: 42° LT.
I-265 WB TO I-64 EB RAMP OVER I-64 EB TO I-265 EB RAMP
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: KB DRAWN: JF

CHECKED: TSW CHECKED: KB

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	(164)I265-00-10746
VERTICAL SCALE	DESIGNATION
AS NOTED	2200019

DRAWING NO.	SHEETS
S2 of S5	12 of 25
CONTRACT	PROJECT
R-42570	1900162

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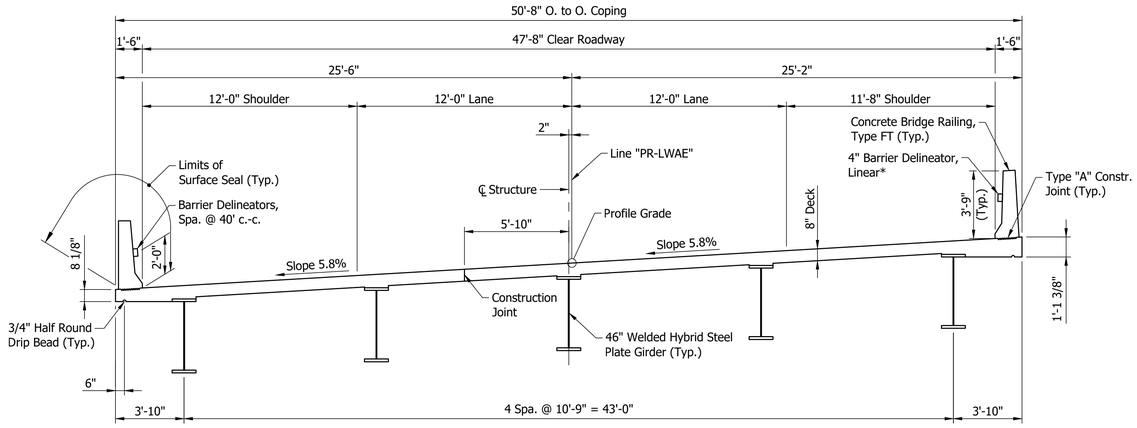
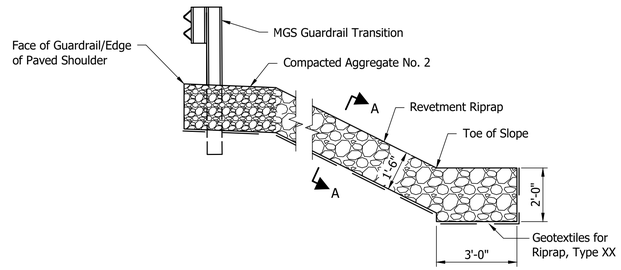
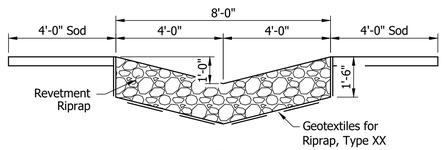


TYPICAL SECTION
Scale: 1/4" = 1'-0"



LONGITUDINAL SECTION



SECTION A-A

RIPRAP DRAINAGE TURNOUT DETAIL
Scale: 3/8"=1'-0"

Note to Reviewer:
- Seismic Data will be provided at a later submittal when the Geotechnical Investigation is available.
- Geotextile Type to be provided when Geotechnical Report is complete
- Surface Seal Quantity to be provided at Stage 3

Notes:
For Plan & Elevation, see Dwg.S2.
For Type "A" Construction Joint, see Std.Dwg.No.E702-CJTA-01.
* See Special Provisions for Linear Barrier Delineator Requirements

GENERAL NOTES

Reinforcing bar covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, 3" in footings except for bottom bars which shall be 4" and 2" in all other parts, unless otherwise noted.

Reinforcing bars in deck, barrier, end bent diaphragms and end bent caps shall be epoxy coated, unless otherwise noted.

All exposed faces of the concrete bridge railings, concrete railing transitions, wings and end bents to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = XXXX Sft.)

DESIGN DATA

LIVE LOAD
Designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

DEAD LOAD
Actual weight plus 35 psf (composite) for future wearing surface and 15 psf (non-composite) for permanent metal deck forms.

FLOOR SLAB
Designed with 7 1/2" structural depth plus 1/2" sacrificial wearing surface.

DESIGN STRENGTHS
To be in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

CONCRETE:
- Class "A": f'c=3,500 psi
- Class "B": f'c=3,000 psi
- Class "C": f'c=4,000 psi

REINFORCING BARS:
- Grade 60: Fy=60,000 psi

STRUCTURAL STEEL:
- ASTM A709 Grade 50W: Fy=50 ksi
- ASTM A709 Grade HPS 70W: Fy=70 ksi

CONSTRUCTION LOADING

The exterior girders have been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of exterior girder. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web. The Contractor shall use blocking or other methods to ensure beam rotation does not occur prior to or during concrete placement on exterior girders where diaphragm spacing exceeds 20 ft.

DECK FALSEWORK LOADS:
Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft. exterior walkway.

CONSTRUCTION LIVE LOAD:
Designed for 20 psf extending 2 ft. past the edge of coping and 75 plf vertical force applied at a distance of 6 inches outside the face of coping over a 30-ft. length of the deck centered with the finishing machine.

FINISHING-MACHINE LOAD:
4,500 lbs distributed over 10 ft. along the coping.

WIND LOAD:
Designed for 70 mph horizontal wind loading in according with AASHTO LRFD 3.8.1.

SEISMIC DATA
AASHTO Guide Design Specifications for LRFD Seismic Bridge Design
Seismic Zone Category X
S1 = X
Site Class X
Fv = X

CONTINUOUS COMPOSITE CURVED STEEL PLATE GIRDER BRIDGE
3 SPANS: 79'-0" , 126'-0" & 79'-0"
47'-8" CLEAR ROADWAY SKEW: 42° LT.
I-265 WB TO I-64 EB RAMP OVER I-64 EB TO I-265 EB RAMP
FLOYD COUNTY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: KB | DRAWN: JF

CHECKED: TSW | CHECKED: KB

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
TYPICAL SECTION

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	(I64)I265-00-10746
VERTICAL SCALE	DESIGNATION
AS NOTED	2200019

DRAWING NO.	SHEETS
S3 of S5	13 of 25
CONTRACT	PROJECT
R-42570	1900162

twolf | p:\210004-i-64 atl\02bridge\04plans\209-structure 7 s-e ramp over e-n ramp\str 7 - sht general plan.dwg | general plan typ sec | 12/5/2022 7:22:36 AM ||

PROJECT	DESIGNATION
1900162	2200017
CONTRACT	BRIDGE FILE
R-42570	I64-121-10744

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-121-10744	COMPOSITE PRESTRESSED CONCRETE BULB-TEE BRIDGE	1 SPAN: 76'-0" SKEW: 0°	CAPTAIN FRANK ROAD	℄ STA.1307+22.75 "PR-A-EB"

DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	I-64 ATL	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AEBL	STR. 1
1800405	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AWBL	STR. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road, Str.No. I64-120-10786	STR. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road, Str.No. I64-120-10742	STR. 4
1702617	Bridge Replacement on I-64 WB over I-64 EB to I-265 EB Ramp, Str.No. I64-121-10787	STR. 5A
2200016	New Bridge on I-64 EB over I-64 EB Ramp to I-265 EB, Str.No.I64-121-10743 EBL	STR. 5B
1800721	Bridge Replacement on I-64 WB over I-265 WB Ramp to I-64 EB, Str.No.I64-121-10788	STR. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp, Str.No.(I64)I265-00-10746	STR. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road, Str.No.I64-121-10744	STR. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road, Str. No. I64-121-04986 DWBL	STR. 9
1702614	Bridge Deck Overlay on I-64 over Cherry Street, Str.No. I64-122-04988 D	STR. 10
2000326 / 2000323	Bridge Deck Replacement & Widening on I-265 EB & Ramp Over State Street, Str.No. I265-00-05513 JCEB & DRCB	STR. 11
2000324	Bridge Deck Overlay on I-265 WB Over State Street, Str.No. I265-00-05513 DWBL	STR. 12
1700206	Bridge Deck Replacement I-64 EB over SR 62/ SR 64	STR. 13
1700205	Bridge Deck Replacement on I-64 WB over SR 62/ SR 64	STR. 14
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	STR. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	STR. 16
2002072	US 150 EB over Little Indian Creek, Str.No.150-22-05230 CEB	STR. 18
2002073	US 150 WB over Little Indian Creek, Str.No.150-22-05230 CWB	STR. 19
2200719	I-64 EB & WB over SR 62 / Spring Street, Str.No.I64-123-04689 C	STR. 20
2200718	I-64 WB Off-Ramp to Spring Street over I-64 WB On-Ramp from Spring Street, Str.No.I64-123-04688 D	STR. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	STR. 17
TBD	Valley View Creek (6 Small Structures and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

Note to Reviewer:
The list of Kinned Projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the Contract Package

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-64 EB AT: RP 121+96

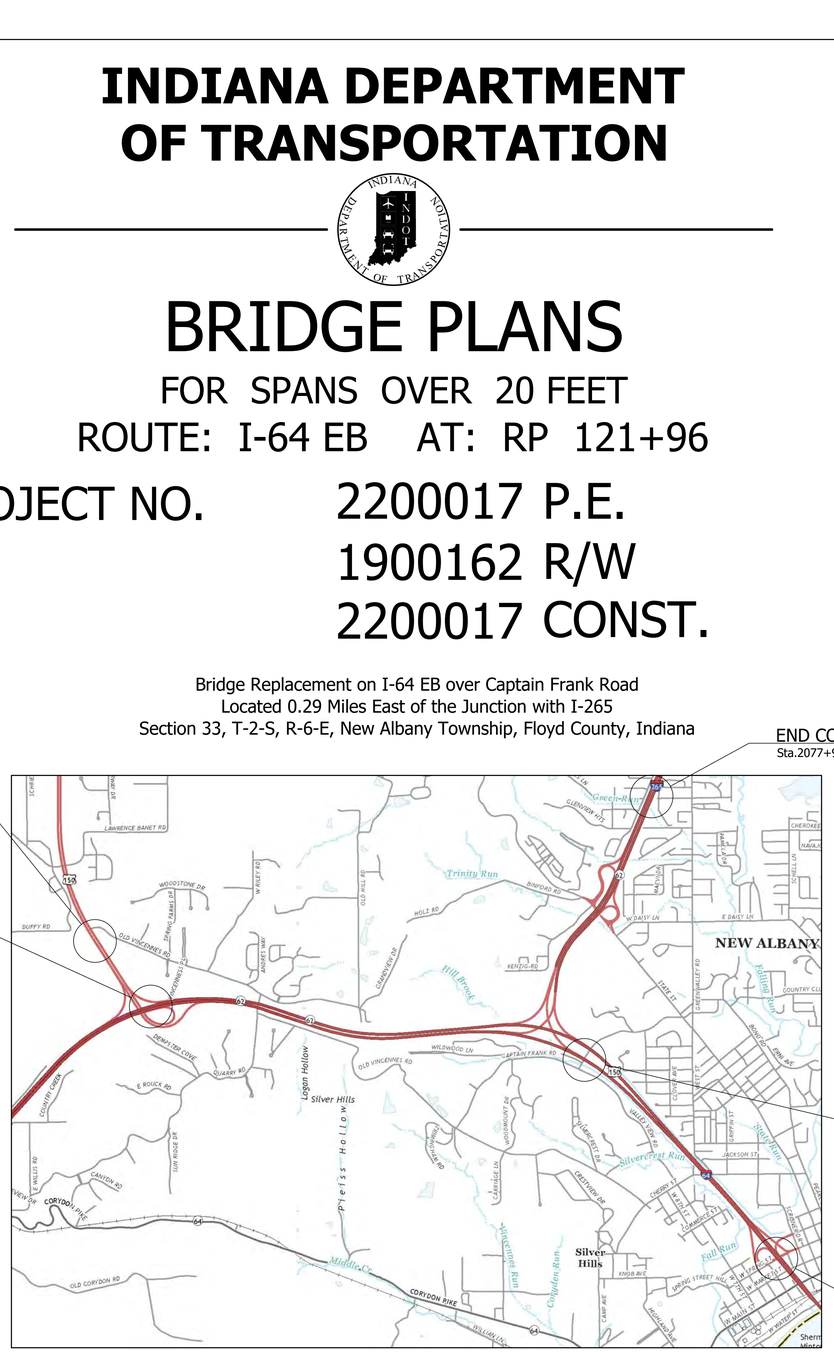
PROJECT NO. 2200017 P.E.
1900162 R/W
2200017 CONST.

Bridge Replacement on I-64 EB over Captain Frank Road
Located 0.29 Miles East of the Junction with I-265
Section 33, T-2-S, R-6-E, New Albany Township, Floyd County, Indiana

END CONSTRUCTION
Sta.2077+97.42 Line "PR-L-EB"

BEGIN CONSTRUCTION
Sta.1025+38.31 Line "PR-U-WB"

BEGIN PROJECT
Sta.1180+86.02 Line "PR-A-EB"



LOCATION MAP
SCALE: 1" = 2000'

STRUCTURE LOCATION
℄ Str.-Sta.1307+22.85 Line "PR-A-EB"

END PROJECT
Sta.1393+50.00 Line "PR-A-EB"

TRAFFIC DATA		I-64 MAINLINE	I-265 WB TO I-64 EB	CAPTAIN FRANK RD
A.A.D.T.	(2019)	66,980 V.P.D.	15,110 V.P.D.	6,860 V.P.D.
A.A.D.T.	(2046)	84,980 V.P.D.	18,340 V.P.D.	9,610 V.P.D.
D.H.V	(2046)	8,190 V.P.H.	1,900 V.P.H.	1,030 V.P.H.
DIRECTIONAL DISTRIBUTION		68 %	100 %	50 %
TRUCKS		10 % A.A.D.T.	7 % A.A.D.T.	1 % A.A.D.T.
		6 % D.H.V.	3 % D.H.V.	0 % D.H.V.
DESIGN DATA				
DESIGN SPEED		70 M.P.H.	55 M.P.H.	
PROJECT DESIGN CRITERIA		NEW CONSTRUCTION (FREEWAY)	4R (FREEWAY)	NO IMPROVEMENT
FUNCTIONAL CLASSIFICATION		PRINCIPAL ARTERIAL	RAMP	
RURAL/URBAN		URBAN	URBAN	
TERRAIN		ROLLING	ROLLING	
ACCESS CONTROL		FULL	FULL	

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°17'58.31" N LONGITUDE: 85°50'49.25" W

BRIDGE LENGTH:	0.014	MI.
ROADWAY LENGTH:	*	MI.
TOTAL LENGTH:	*	MI.
MAX. GRADE:	4.50	%

* SEE DES. NO. 1900162

HUC 12: 051401010904
HUC 14: 05140101150020

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
BLN: BEAM·LONGEST·NEFF
8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | WWW.B-L-N.COM

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I64-121-10744
DESIGNATION
2200017

DRAWING NO.	SHEETS
	1 of 26
CONTRACT	PROJECT
R-42570	1900162

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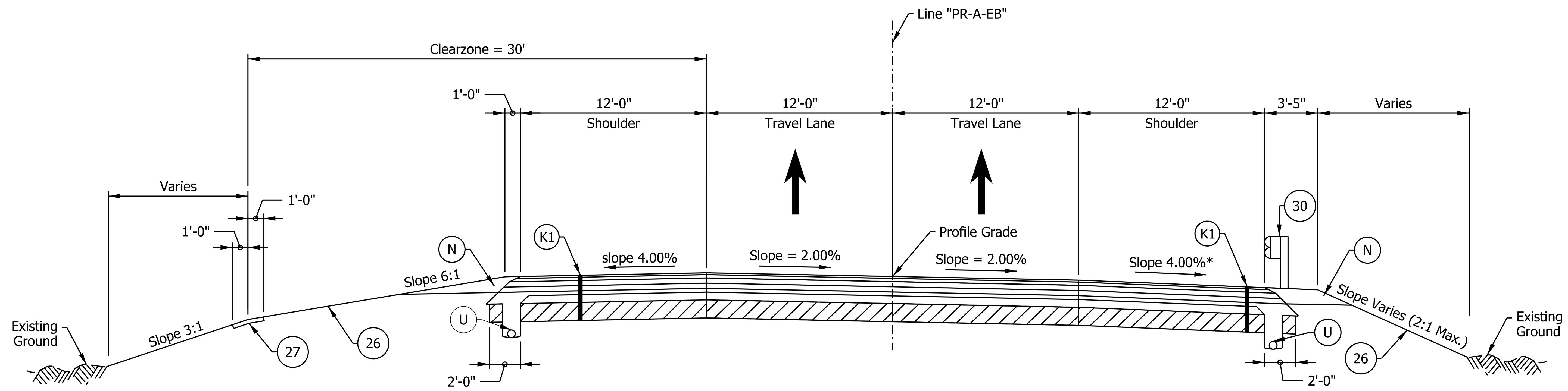
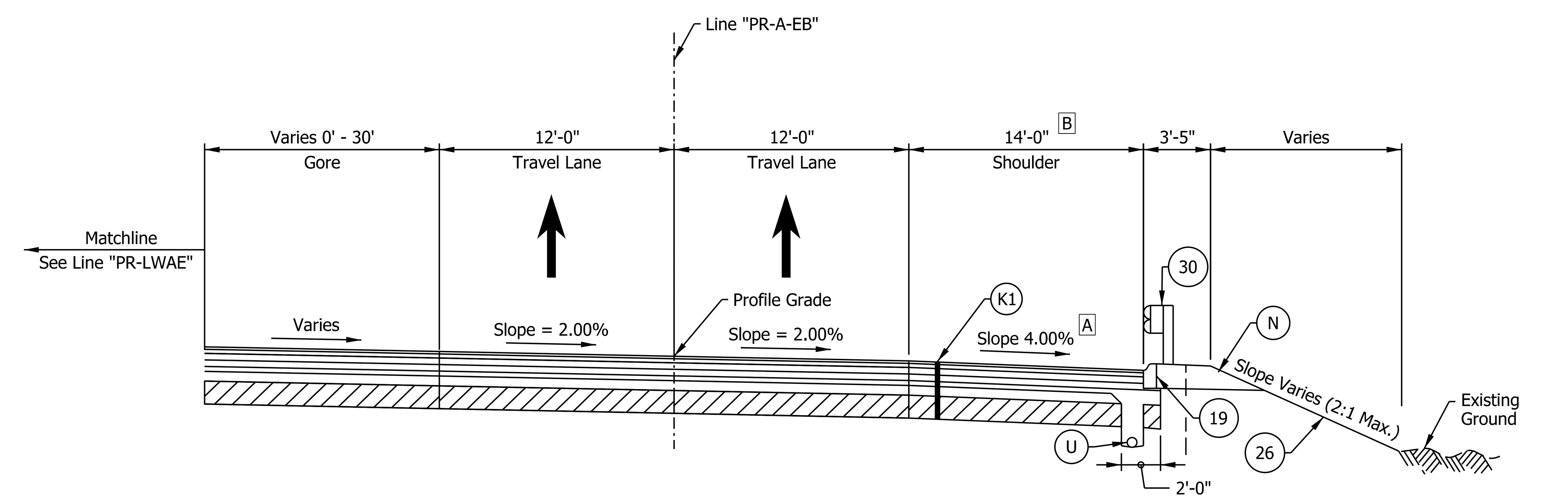


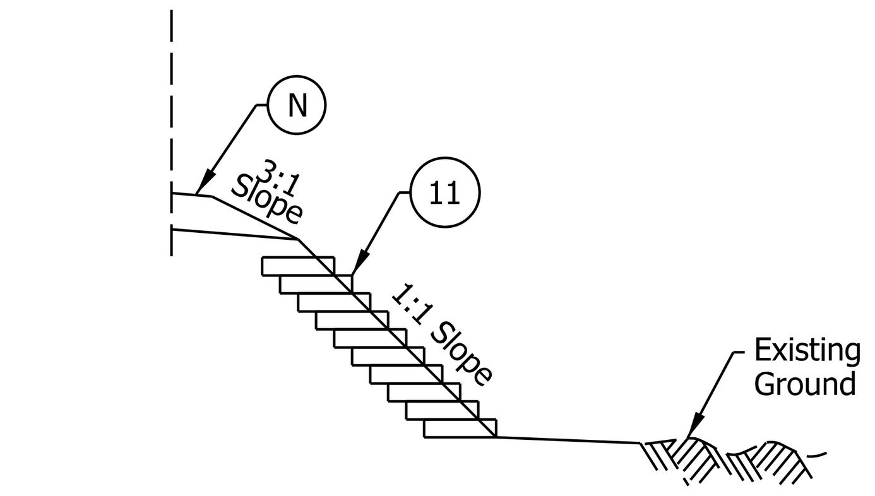
I-64 EB TYPICAL SECTION

STA. 1299+86.00 "PR-A-EB" TO STA. 1301+63.65 "PR-A-EB"



I-64 EB TYPICAL SECTION

STA. 1301+63.65 "PR-A-EB" TO STA. 1306+50.00 "PR-A-EB"



STA. 1306+00.00 "PR-A-EB" TO STA. 1306+50.00 "PR-A-EB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

See Sheet DET-03 for Reinforced Side Slope details.

* Max rollover between shoulder and travel lane not to exceed 8%.

[A] Shoulder slope to rotate to match adjacent lanes across the bridge over Captain Frank Road

[B] Left shoulder width increased to 12'-4" approaching and exiting the bridge over Captain Frank Road Right shoulder width reduced to 13'-8" across the bridge over Captain Frank Road

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NOTE TO REVIEWER

2-foot lane extensions at the shoulders will be reviewed and implemented where applicable in a future submittal.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

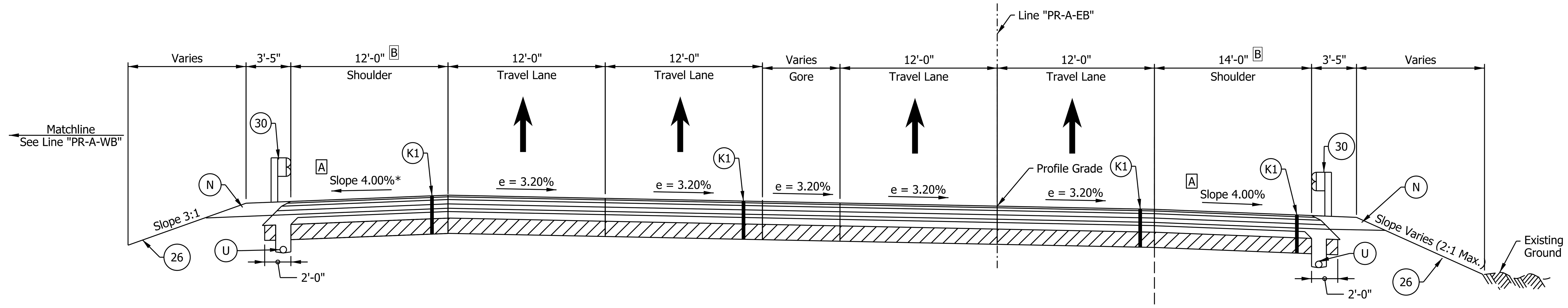
RECOMMENDED FOR APPROVAL ________ DESIGN ENGINEER ________ DATE

DESIGNED: SGM | DRAWN: CGR
CHECKED: ADR | CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 EASTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

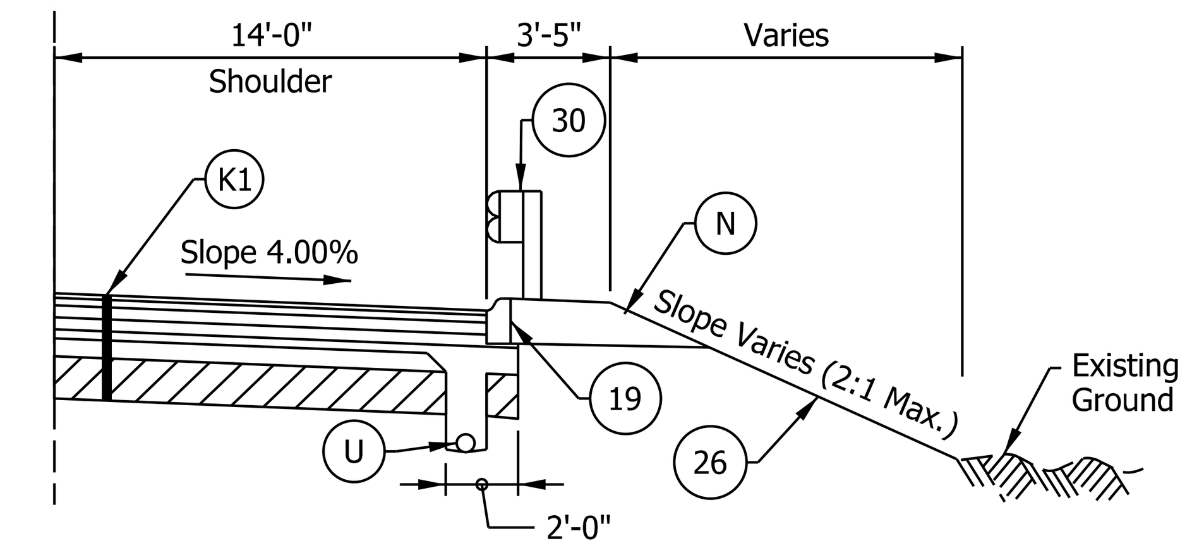
HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS TS-05
ELECTRONIC	3 of 26
CONTRACT	PROJECT
R-42570	1900162



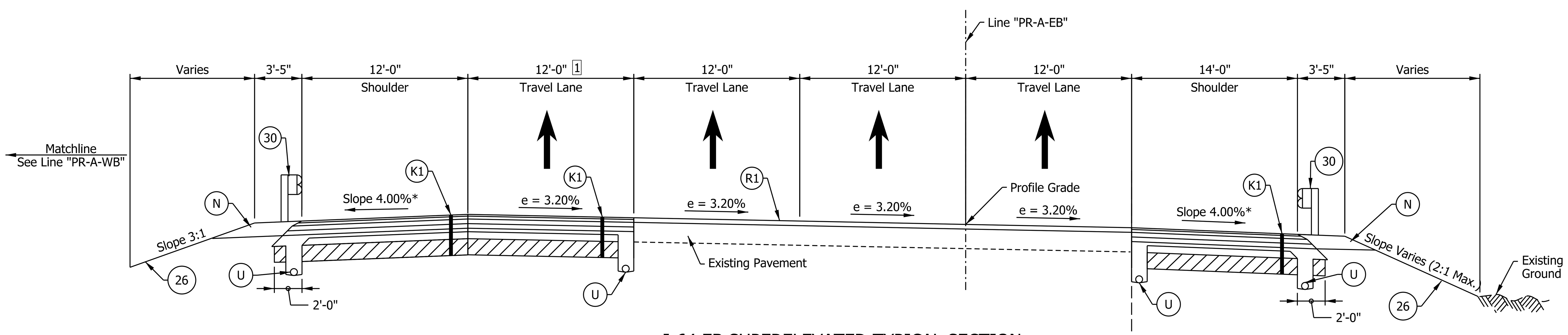
I-64 EB SUPERELEVATED TYPICAL SECTION

STA. 1306+50.00 "PR-A-EB" TO STA. 1316+65.36 "PR-A-EB"

Bridge Paving Exception from Sta. 1306+63.50 to 1307+82.00

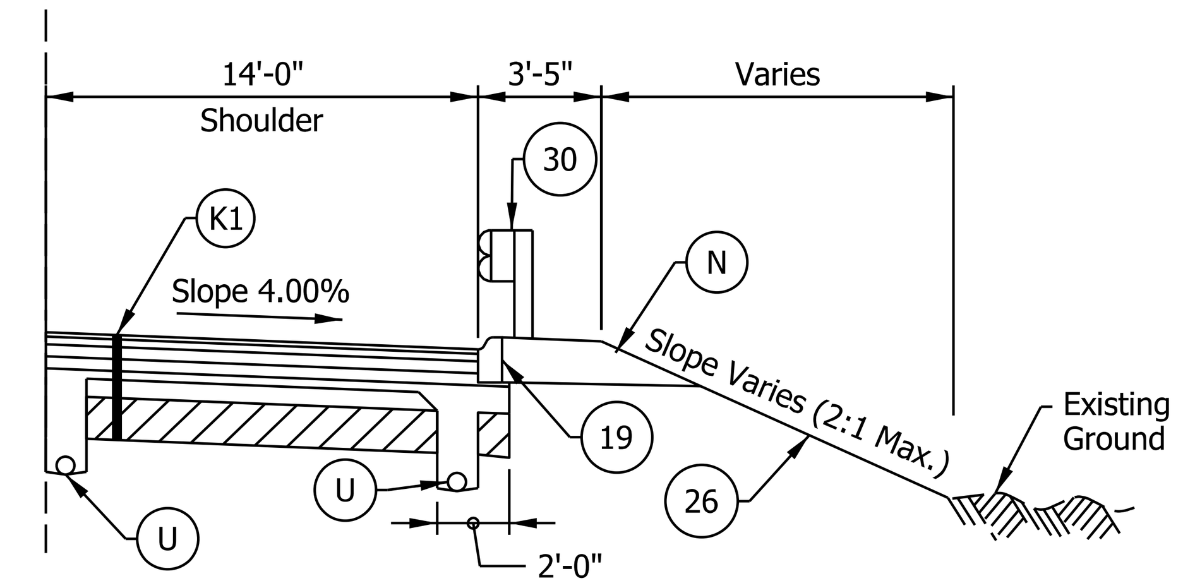


STA. 1307+92.00 "PR-A-EB" TO STA.1316+60.00 "PR-A-EB"



I-64 EB SUPERELEVATED TYPICAL SECTION

STA. 1316+65.36 "PR-A-EB" TO STA. 1328+04.00 "PR-A-EB"



STA. 1316+60.00 "PR-A-EB" TO STA.1317+50.00 "PR-A-EB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

* Max rollover between shoulder and travel lane not to exceed 8%.

1 Lane width varies from 12'-0" at Sta. 1324+58.76 to 0'-0" Sta. 1333+98.76

A Shoulder slope to rotate to match adjacent lanes across the bridge over Captain Frank Road

B Left shoulder width increased to 12'-4" approaching and exiting the bridge over Captain Frank Road. Right shoulder width reduced to 13'-8" across the bridge over Captain Frank Road

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NOTE TO REVIEWER

2-foot lane extensions at the shoulders will be reviewed and implemented where applicable in a future submittal.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

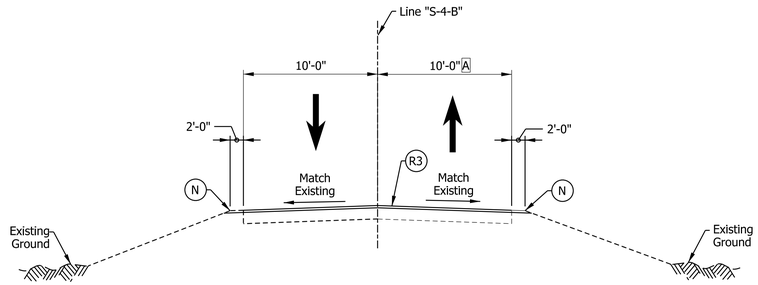
RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER ____ DATE

DESIGNED: SGM | DRAWN: CGR
CHECKED: ADR | CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

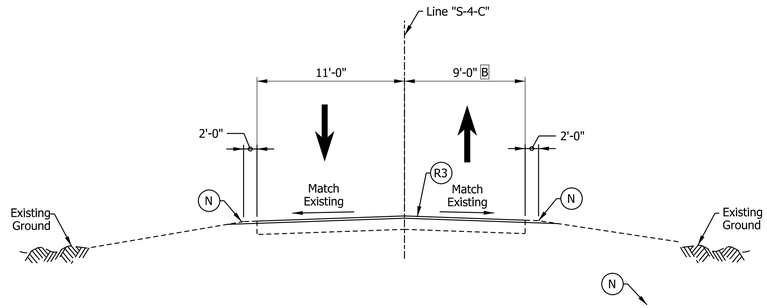
I-64 EASTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS TS-06
ELECTRONIC	4 of 26
CONTRACT	PROJECT
R-42570	1900162



Captain Frank Road Typical Section

STA. 48+50.00 "S-4-B" TO STA. 54+00.00 "S-4-B"



Quarry Road Typical Section

STA. 47+31.00 "S-4-C" TO STA. 51+70.00 "S-4-C"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

A Northbound Travel Lane is 10'-0" from Sta. 48+50 "S-4-B" to Sta. 52+50 "S-4-B"
Northbound Travel Lane Varies from 10'-0" to 11'-6" from Sta. 52+50 "S-4-B" to Sta. 54+00 "S-4-B"

B Northbound Travel Lane Varies from 9'-0" to 14'-6" from Sta. 51+25 "S-4-C" to Sta. 51+70 "S-4-C"

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

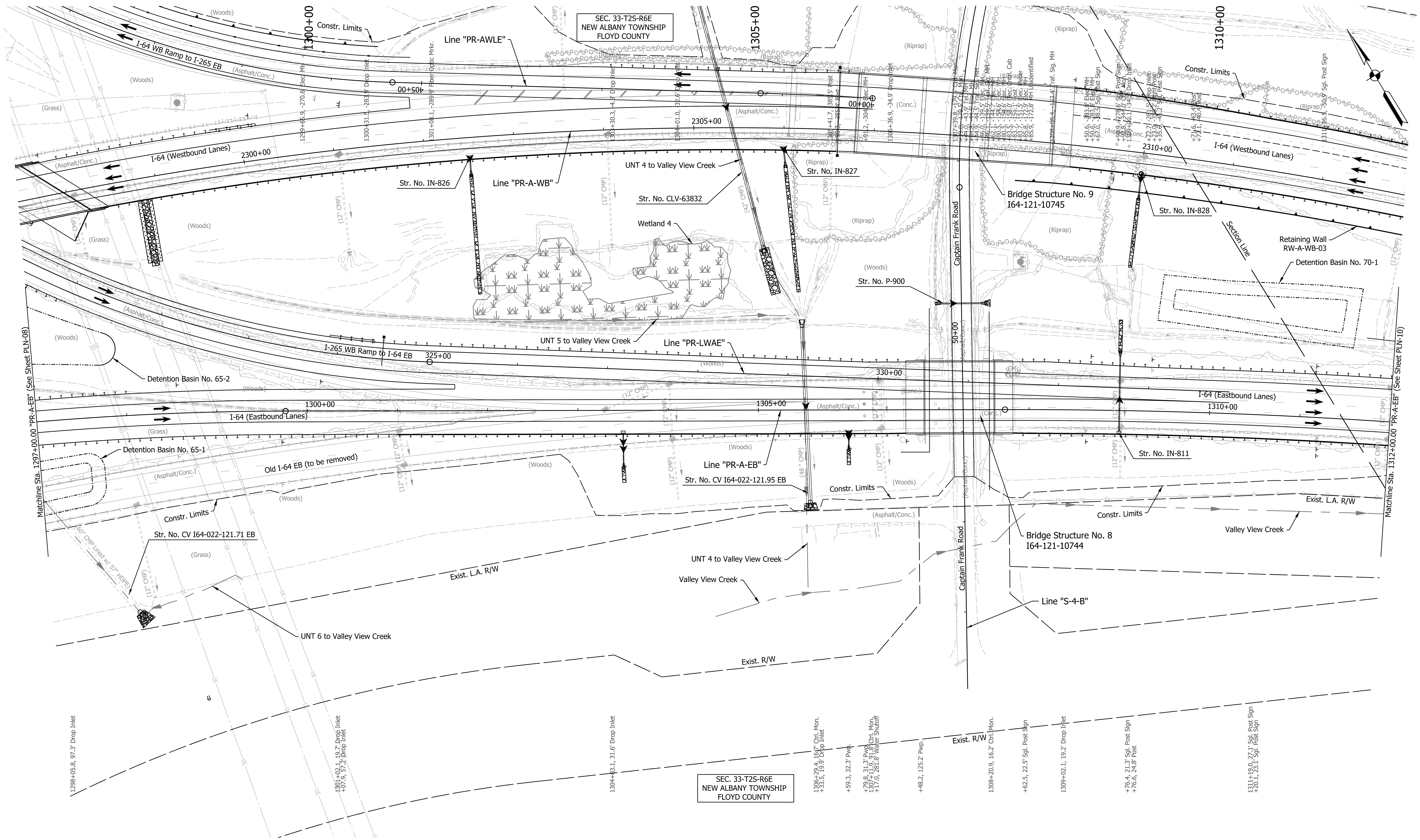
DESIGNED: JKH | DRAWN: JKH

CHECKED: ADR | CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

QUARRY ROAD / CAPTAIN FRANK ROAD
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS TS-42
ELECTRONIC	5 of 26
CONTRACT	PROJECT
R-42570	1900162



Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: SGM		DRAWN: RJS	
CHECKED: KRC		CHECKED: KRC	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A-EB"
STA. 1297+00 TO STA. 1312+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-09
ELECTRONIC	6 of 26
CONTRACT	PROJECT
R-42570	1900162

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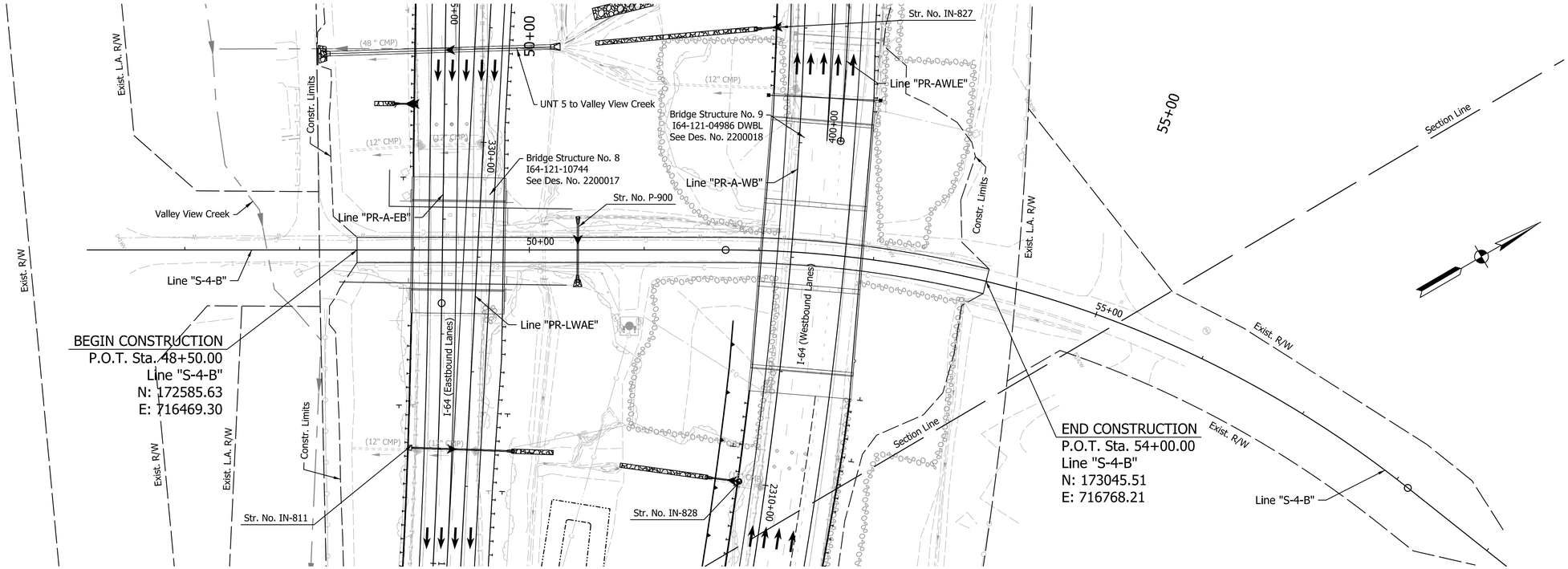

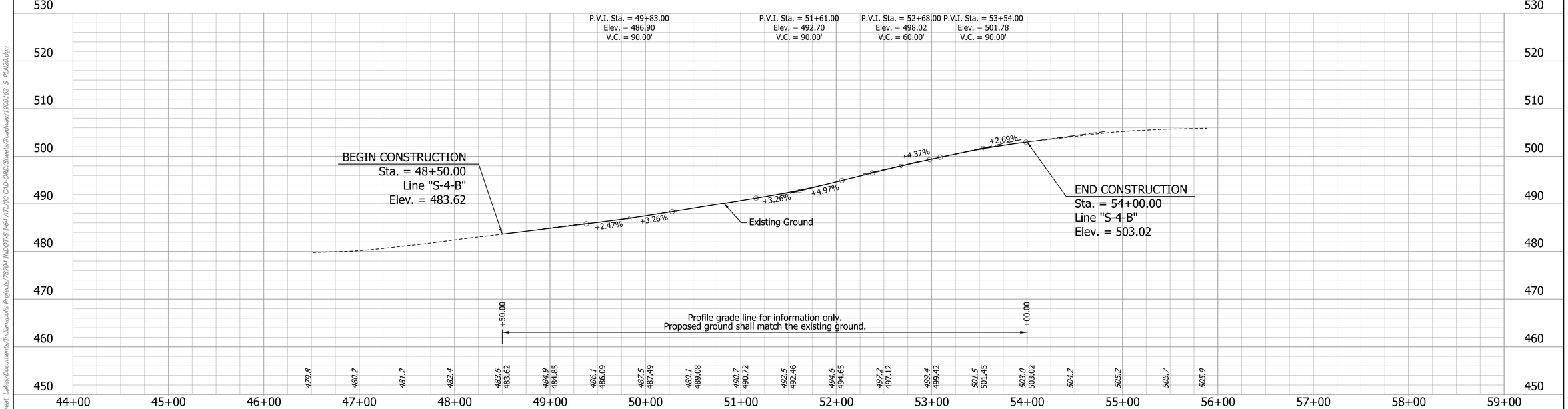

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: MDS DRAWN: RJS

CHECKED: KRC CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "S-4-B"
STA. 48+50 TO STA. 54+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900162

SURVEY BOOK	SHEETS PLN-72
ELECTRONIC	8 of 26
CONTRACT	PROJECT
R-42570	1900162

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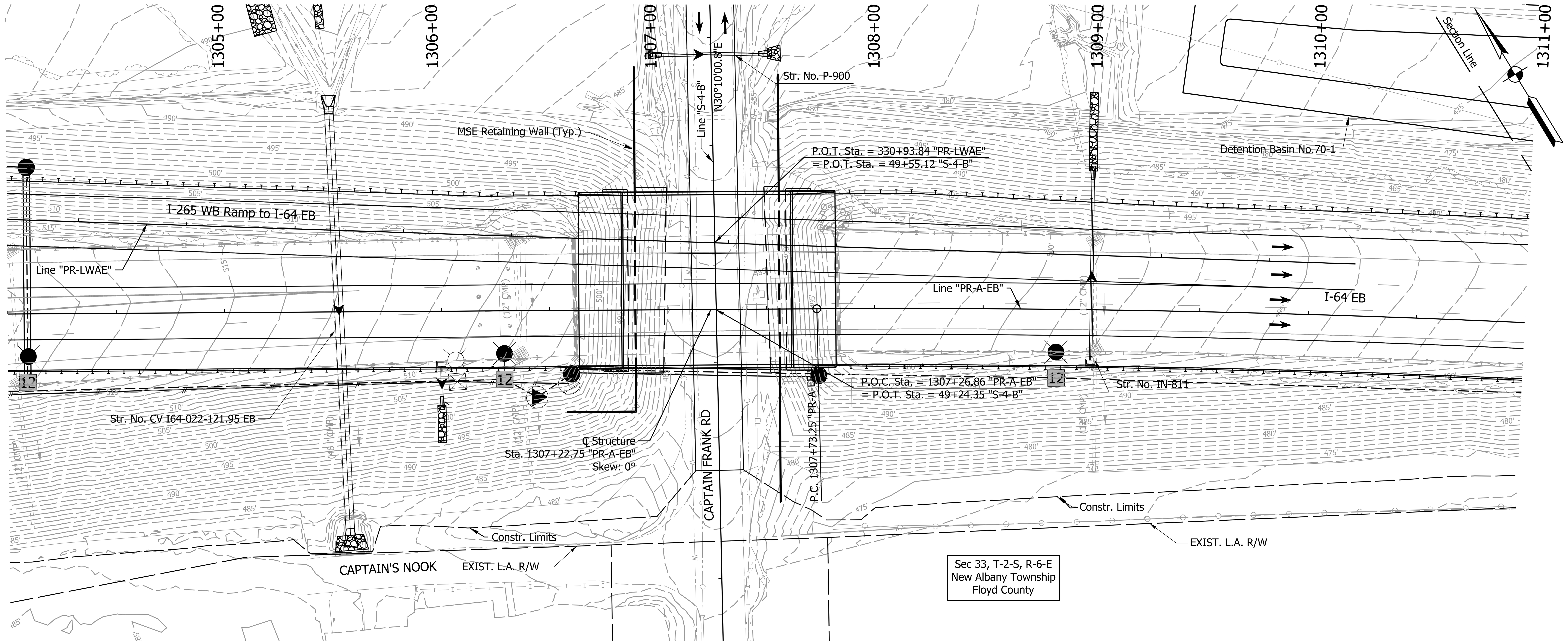
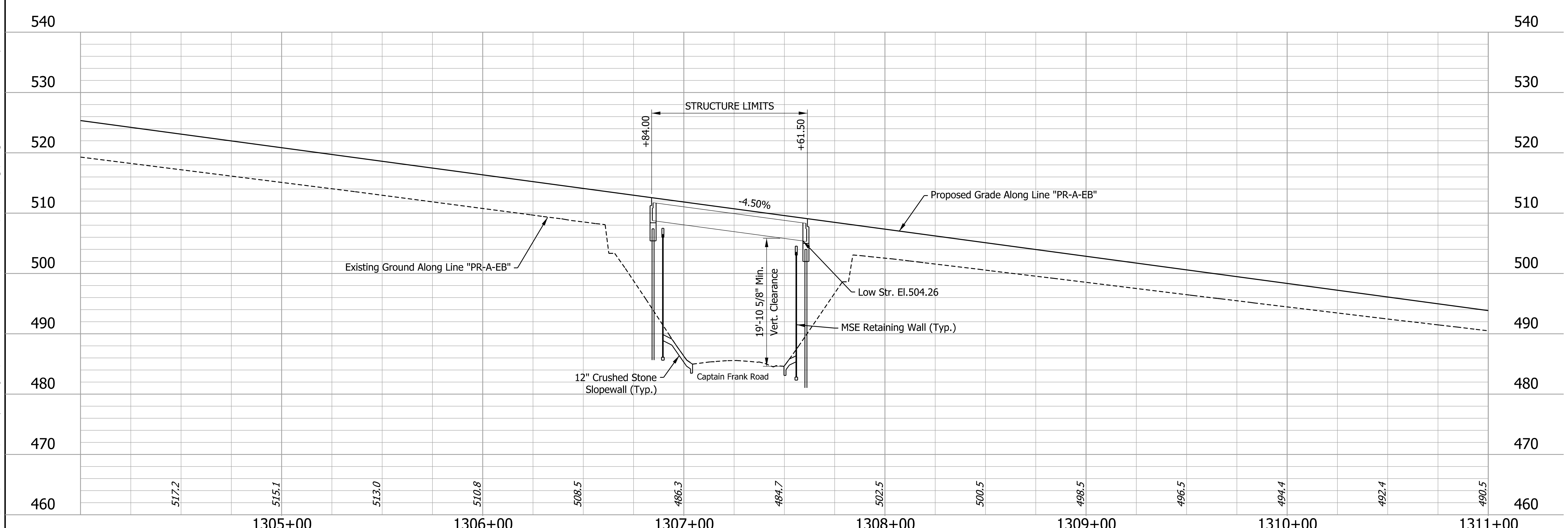


EXISTING STRUCTURE

Existing structure (I64-121-04986 JCEB) is a Three-span (35'-0½", 52'-1" & 35'-0½") Composite Prestressed I-Beam bridge with a 54'-3" clear roadway (To Be Removed).

EARTHWORK TABULATION

For Earthwork Summary, See Road Plans Des. No. 1900162



HORIZONTAL CURVE DATA FOR LINE "PR-A-EB"

CURVE 7
P.I. 1315+87.70 "PR-A-EB"
Δ = 14°48'02.95" RT
D = 00°54'49.38"
R = 6270.62'
T = 814.46'
L = 1619.85'
E = 52.67'
SE = 3.20%

NOTES:

For Reference Ties and Benchmarks, See Road Plans Des. No. 1900162.
For Ditch Grades & Guardrail Limits, See Plan & Profile Sheet of Road Plans, Des. No. 1900162.
For existing and proposed utilities, drainage, lighting, signing, and ITS, see Des. No. 1900162.

COMPOSITE PRESTRESSED
CONCRETE BULB-TEE BEAM BRIDGE
1 SPAN: 76'-0"
78'-8" CLEAR ROADWAY SKEW: 0°
I-64 EB & I-265 WB TO I-64 EB RAMP
OVER CAPTAIN FRANK ROAD
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: AAM	DRAWN: JP		
CHECKED: TSW	CHECKED: TSW		

INDIANA
DEPARTMENT OF TRANSPORTATION

LAYOUT - LINE "PR-A-EB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	I64-121-10744
VERTICAL SCALE	DESIGNATION
1"=10'	2200017
DRAWING NUMBER	SHEETS
C1 of C7	10 of 23
CONTRACT	PROJECT
R-42570	1900162

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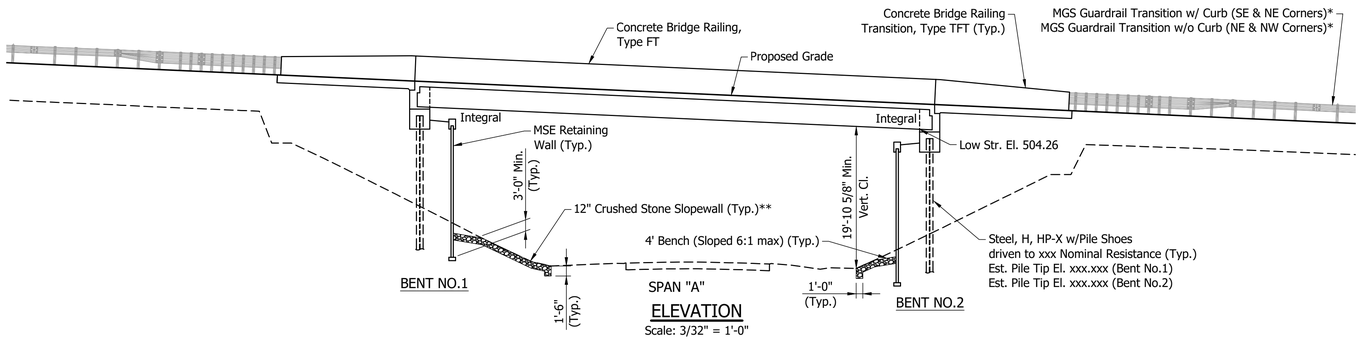
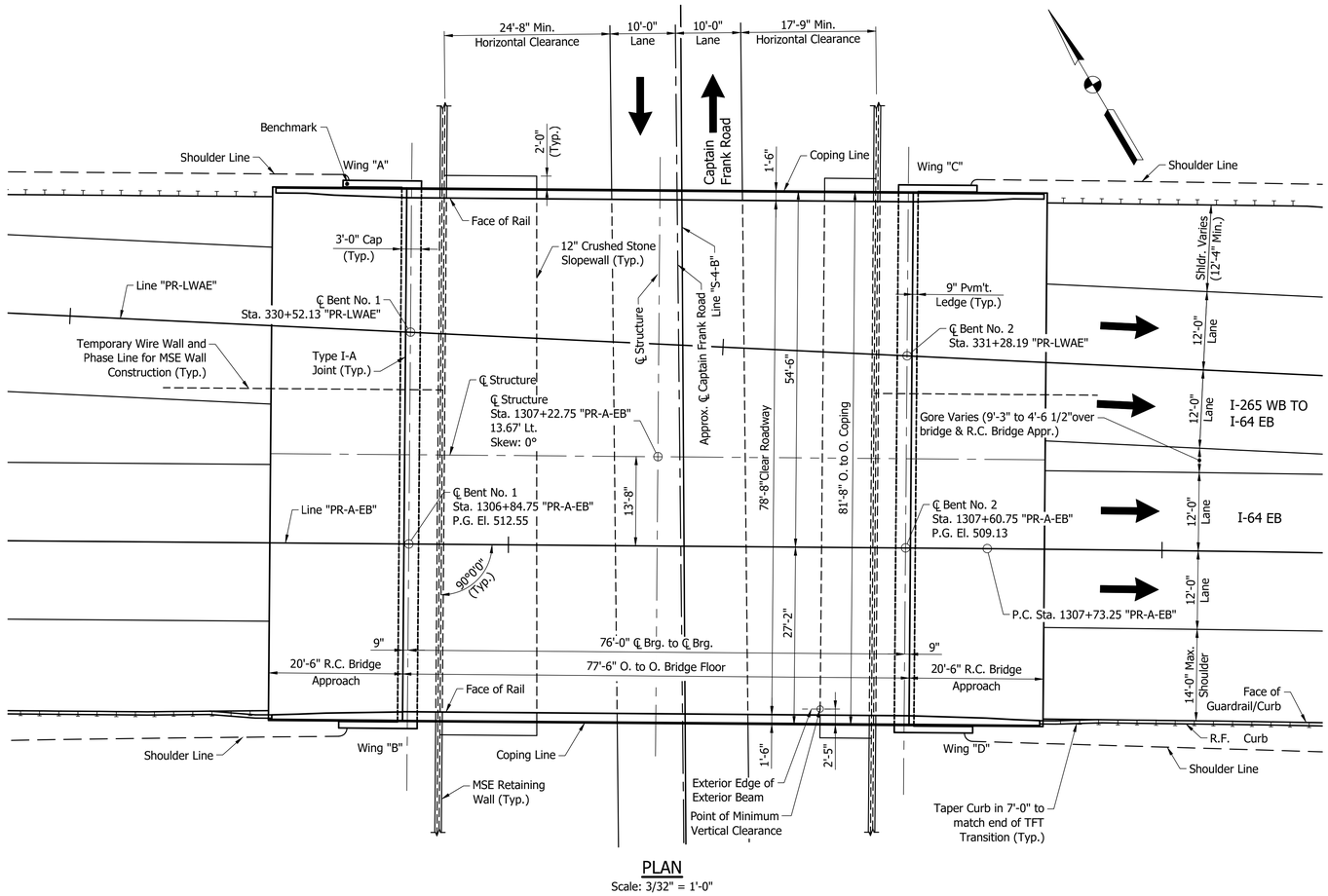
STRUCTURE TO BE BUILT TO A -4.50% GRADE



ELEVATION
Scale: 3/32" = 1'-0"



PLAN
Scale: 3/32" = 1'-0"

Note to Reviewer:
- The Geotechnical Investigation is currently underway. Soil borings, Pile Size and Type will be added at a future submittal.
- Although the gore between the alignments tapers in over the bridge, the north shoulder is tapering out to match the 12' shoulder required east of the bridge. Therefore, the bridge width was set as constant.

Notes:
For Typical Section & General Notes, see Dwg. C3.
For Type I-A Joint, see Std.Dwg.No.E609-BRJT-01.
* Roadway Item. See Des. No. 1900162 for Details.
** See Special Provisions for Slopewall, Crushed Aggregate Requirements

COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE
1 SPAN: 76'-0"
78'-8" CLEAR ROADWAY SKEW: 0°
I-64 EB & I-265 WB to I-64 EB RAMP OVER CAPTAIN FRANK ROAD
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AAM DRAWN: JF

CHECKED: TSW CHECKED: AAM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-121-10744
VERTICAL SCALE	DESIGNATION
AS NOTED	2200017

DRAWING NO.	SHEETS
C2 of C7	13 of 26
CONTRACT	PROJECT
R-42570	1900162

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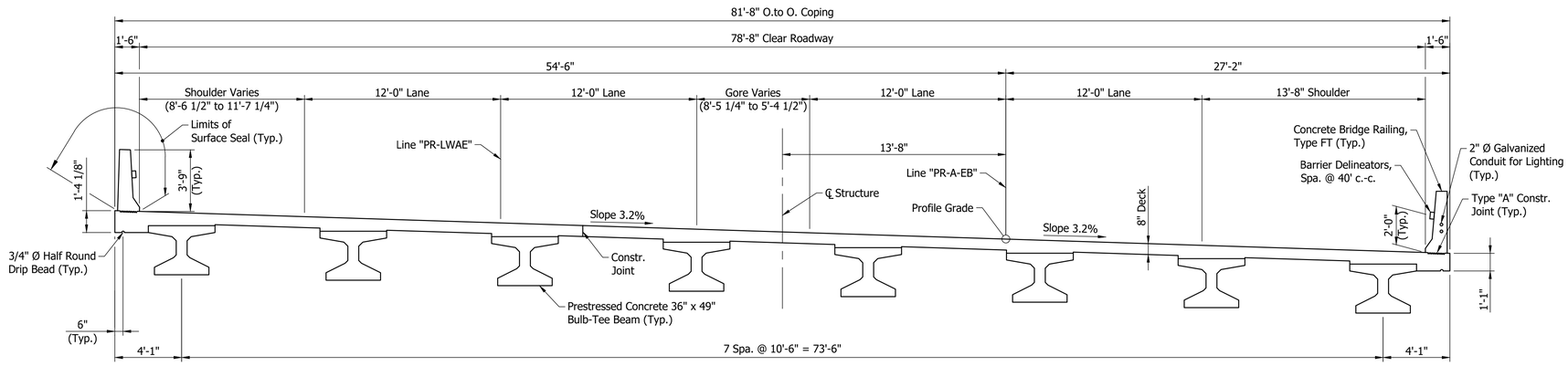

TYPICAL SECTION
Scale: 1/4" = 1'-0"

Note to Reviewer:
- Seismic Data will be provided at a later submittal when the Geotechnical Investigation is available.
- Surface Seal Quantity to be provided at Stage 3

GENERAL NOTES

Reinforcing bar covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, 3" in footings except for bottom bars which shall be 4" and 2" in all other parts, unless otherwise noted.

Reinforcing bars in deck, barrier, end bent diaphragms and end bent caps shall be epoxy coated, unless otherwise noted.

The concrete bridge railings, concrete railing transitions and all exposed surfaces of wings and end bents to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = XXXX Sft.)

DESIGN DATA

LIVE LOAD
Designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

DEAD LOAD
Actual weight plus 35 psf (composite) for future wearing surface and 15 psf (non-composite) for permanent metal deck forms.

FLOOR SLAB
Designed with 7 1/2" structural depth plus 1/2" sacrificial wearing surface.

DESIGN STRENGTHS
To be in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

PRESTRESSED CONCRETE, NORMAL WEIGHT:
- f'c=8,000 psi @ 28 days
- Initial f'c=6,000 psi @ Release of Strands

PRESTRESSING STRANDS:
- 0.6" Ø 7 Wire LoLax Strands (As=0.217 in²)
- Min. Tensile Strength=270,000 psi
- Initial Pull=43,940 lbs. per strand

CONCRETE:
- Class "A": f'c=3,500 psi
- Class "C": f'c=4,000 psi

REINFORCING BARS:
- Grade 60: Fy=60,000 psi

SEISMIC DATA
AASHTO Guide Design Specifications for LRFD Seismic Bridge Design
- Seismic Zone X
- S1 = X.XX
- Site Class X
- Fv = X.XX

CONSTRUCTION LOADING
The exterior beams have been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of exterior beam. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the beam bottom flange and web. The Contractor shall use blocking or other methods to ensure beam rotation does not occur prior to or during concrete placement on exterior beams where diaphragm spacing exceeds 20 ft.

DECK FALSEWORK LOADS:
Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft. exterior walkway.

CONSTRUCTION LIVE LOAD:
Designed for 20 psf extending 2 ft. past the edge of coping and 75 plf vertical force applied at a distance of 6 inches outside the face of coping over a 30-ft. length of the deck centered with the finishing machine.

FINISHING-MACHINE LOAD:
4,500 lbs distributed over 10 ft. along the coping.

WIND LOAD:
Designed for 70 mph horizontal wind loading in according with AASHTO LRFD 3.8.1.

Notes:
For Plan & Elevation, see Dwg. C2.
For Type "A" Construction Joint, see Std.Dwg.No.E702-CJTA-01.

COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE
1 SPAN: 76'-0"
78'-8" CLEAR ROADWAY SKEW: 0°
I-64 EB & I-265 WB to I-64 EB RAMP OVER CAPTAIN FRANK ROAD
FLOYD COUNTY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AAM | DRAWN: JF

CHECKED: TSW | CHECKED: AAM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
TYPICAL SECTION

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-121-10744
VERTICAL SCALE	DESIGNATION
AS NOTED	2200017
DRAWING NO.	SHEETS
C3 of C7	14 of 26
CONTRACT	PROJECT
R-42570	1900162

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PROJECT	DESIGNATION
1900162	2200018
CONTRACT	BRIDGE FILE
R-42570	I64-121-04986 DWBL

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-121-04986 DWBL	CONTINUOUS COMPOSITE PRESTRESSED CONCRETE BULB-TEE	3 SPANS: 72'-2 1/2", 72'-7", & 72'-2 1/2" SKEW: 0°01'33" RT.	CAPTAIN FRANK ROAD	℄ STRUCTURE STA. 2307+89.04 LINE "PR-A-WB"

DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	I-64 ATL	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AEBL	STR. 1
1800405	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AWBL	STR. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road, Str.No. I64-120-10786	STR. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road, Str.No. I64-120-10742	STR. 4
1702617	Bridge Replacement on I-64 WB over I-64 EB to I-265 EB Ramp, Str.No. I64-121-10787	STR. 5A
2200016	New Bridge on I-64 EB over I-64 EB Ramp to I-265 EB, Str.No.I64-121-10743 EBL	STR. 5B
1800721	Bridge Replacement on I-64 WB over I-265 WB Ramp to I-64 EB, Str.No.I64-121-10788	STR. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp, Str.No.(I64)I265-00-10746	STR. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road, Str.No.I64-121-10744	STR. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road, Str. No. I64-121-04986 DWBL	STR. 9
1702614	Bridge Deck Overlay on I-64 over Cherry Street, Str.No. I64-122-04988 D	STR. 10
2000326 / 2000323	Bridge Deck Replacement & Widening on I-265 EB & Ramp Over State Street, Str.No. I265-00-05513 JCEB & DRCB	STR. 11
2000324	Bridge Deck Overlay on I-265 WB Over State Street, Str.No. I265-00-05513 DWBL	STR. 12
1700206	Bridge Deck Replacement I-64 EB over SR 62/ SR 64	STR. 13
1700205	Bridge Deck Replacement on I-64 WB over SR 62/ SR 64	STR. 14
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	STR. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	STR. 16
2002072	US 150 EB over Little Indian Creek, Str.No.150-22-05230 CEB	STR. 18
2002073	US 150 WB over Little Indian Creek, Str.No.150-22-05230 CWB	STR. 19
2200719	I-64 EB & WB over SR 62 / Spring Street, Str.No.I64-123-04689 C	STR. 20
2200718	I-64 WB Off-Ramp to Spring Street over I-64 WB On-Ramp from Spring Street, Str.No.I64-123-04688 D	STR. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	STR. 17
TBD	Valley View Creek (6 Small Structures and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

Note to Reviewer:
The list of Kinned Projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the Contract Package

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE REHABILITATION PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-64 WB AT: RP 121+96

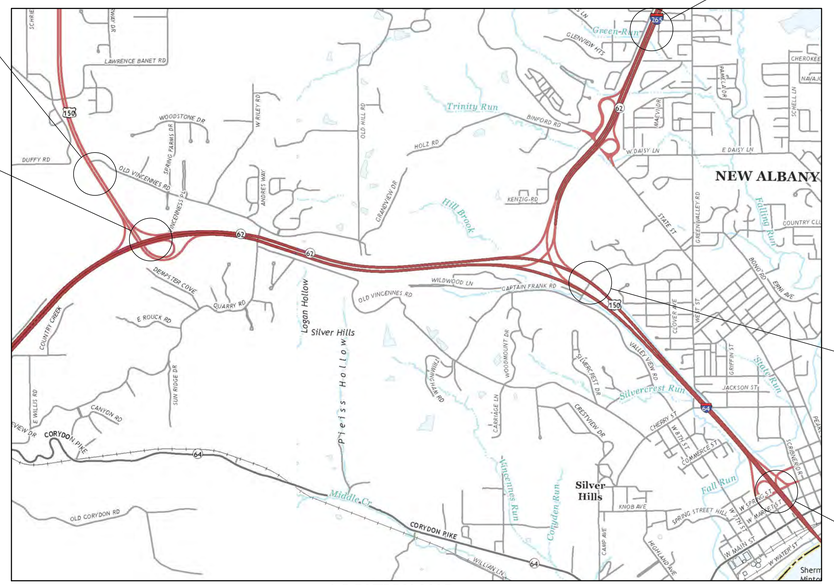
PROJECT NO. 2200018 P.E.
1900162 R/W
2200018 CONST.

Superstructure Replacement on I-64 WB over Captain Frank Road
Located 0.29 Miles East of the Junction with I-265 in
Section 33, T-2-S, R-6-E, New Albany Township, Floyd County, Indiana

END CONSTRUCTION
Sta.2077+97.42 Line "PR-L-EB"

BEGIN CONSTRUCTION
Sta.1025+38.31 Line "PR-U-WB"

BEGIN PROJECT
Sta.1180+86.02 Line "PR-A-EB"



LOCATION MAP
SCALE: 1"=2000'

STRUCTURE LOCATION
℄ Str.-Sta.2307+89.04 "PR-A-WB"

END PROJECT
Sta.1393+50.00 Line "PR-A-EB"

TRAFFIC DATA		I-64 MAINLINE	CAPTAIN FRANK RD
A.A.D.T.	(2019)	66,980 V.P.D.	6,860 V.P.D.
A.A.D.T.	(2046)	84,980 V.P.D.	9,610 V.P.D.
D.H.V	(2046)	8,190 V.P.H.	1,030 V.P.H.
DIRECTIONAL DISTRIBUTION		68 %	50 %
TRUCKS		10 % A.A.D.T.	1 % A.A.D.T.
		6 % D.H.V.	0 % D.H.V.
DESIGN DATA			
DESIGN SPEED		70 M.P.H.	
PROJECT DESIGN CRITERIA		NEW CONSTRUCTION (FREEWAY)	NO IMPROVEMENT
FUNCTIONAL CLASSIFICATION		PRINCIPAL ARTERIAL	
RURAL/URBAN		URBAN	
TERRAIN		ROLLING	
ACCESS CONTROL		FULL	

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°18'00.97" N LONGITUDE: 85°50'47.29" W

BRIDGE LENGTH: 0.041 MI.
ROADWAY LENGTH: * MI.
TOTAL LENGTH: * MI.
MAX. GRADE: 3.00 %
* SEE DES. NO. 1900162

HUC 12: 051401010904
HUC 14: 05140101150020

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
BLN: BEAM·LONGEST·NEFF
8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | WWW.B-L-N.COM

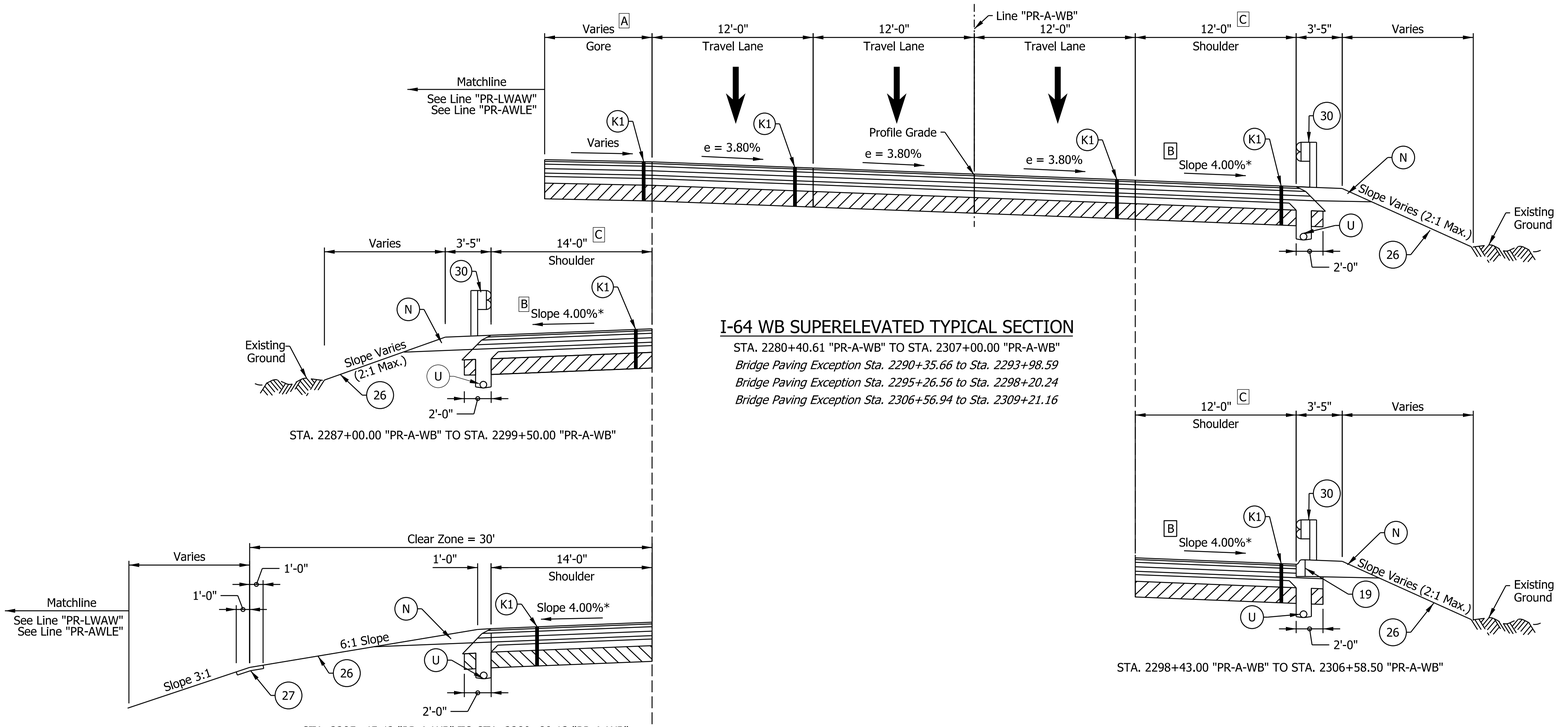
DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER
CERTIFIED BY: DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I64-121-04986 DWBL
DESIGNATION
2200018

DRAWING NO.	SHEETS
	1 of 22
CONTRACT	PROJECT
R-42570	1900162

smihalow | p:\210004-I-64 at\02bridge\04plans\212-structure 9 i-64 wb over cpt frank\str 9 - sht title.dwg | title sheet | 12/5/2022 10:10:36 AM ||



I-64 WB SUPERELEVATED TYPICAL SECTION

STA. 2280+40.61 "PR-A-WB" TO STA. 2307+00.00 "PR-A-WB"

Bridge Paving Exception Sta. 2290+35.66 to Sta. 2293+98.59
Bridge Paving Exception Sta. 2295+26.56 to Sta. 2298+20.24
Bridge Paving Exception Sta. 2306+56.94 to Sta. 2309+21.16

STA. 2287+00.00 "PR-A-WB" TO STA. 2299+50.00 "PR-A-WB"

STA. 2285+45.42 "PR-A-WB" TO STA. 2289+89.13 "PR-A-WB"
STA. 2300+16.76 "PR-A-WB" TO STA. 2301+88.63 "PR-A-WB"

STA. 2294+30.00 "PR-A-WB" TO STA. 2295+95 "PR-A-WB"

STA. 2298+43.00 "PR-A-WB" TO STA. 2306+58.50 "PR-A-WB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

* Max rollover between shoulder and travel lane not to exceed 8%.

A Gore width varies from 0'-0" at Sta. 2280+40.61 to 25'-0" at Sta. 2285+45.42
Gore width varies from 30'-0" at Sta. 2301+88.63 to 0'-0" at Sta. 2306+96.82

B Shoulder slope to rotate to match adjacent lane slope on the bridges over the interior system interchange ramps and Captain Frank Road.

C Right shoulder width shall be 12'-4" from Sta. 2290+12.15 to Sta. 2298+43.00

FOR INFORMATION ONLY

NOTE TO REVIEWER
Coordination with Geotech is in progress. Retaining Wall Details will be Refined in future Submittals

NOTE TO REVIEWER
2-foot lane extensions at the shoulders will be reviewed and implemented where applicable in a future submittal.

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: CGR

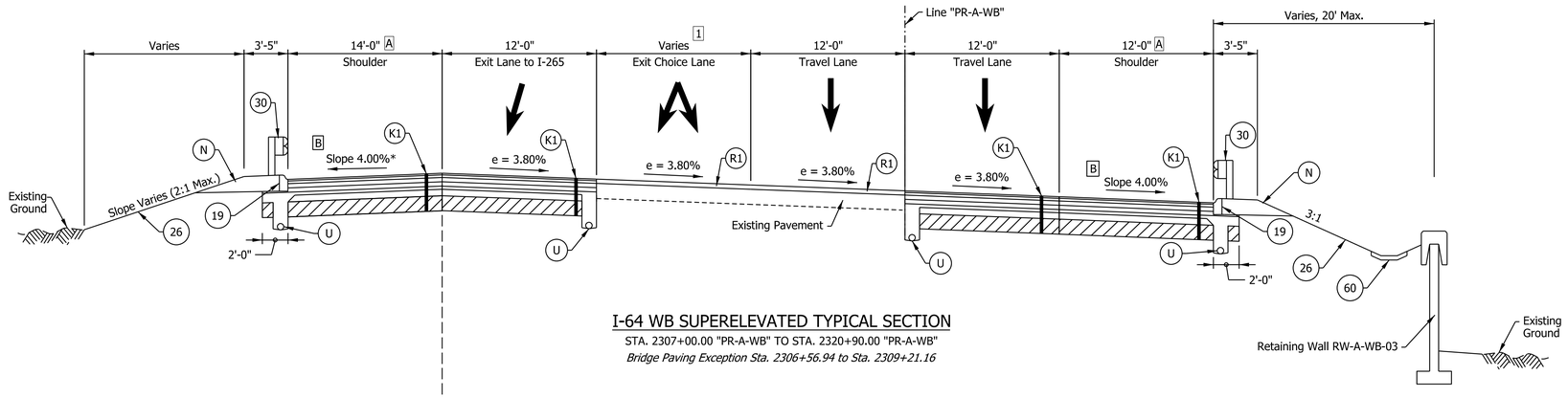
CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 WESTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

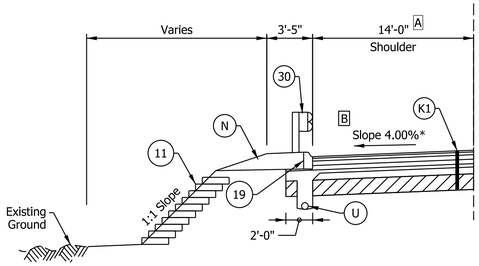
SURVEY BOOK	SHEETS TS-13
ELECTRONIC	3 of 22
CONTRACT	PROJECT
R-42570	1900162



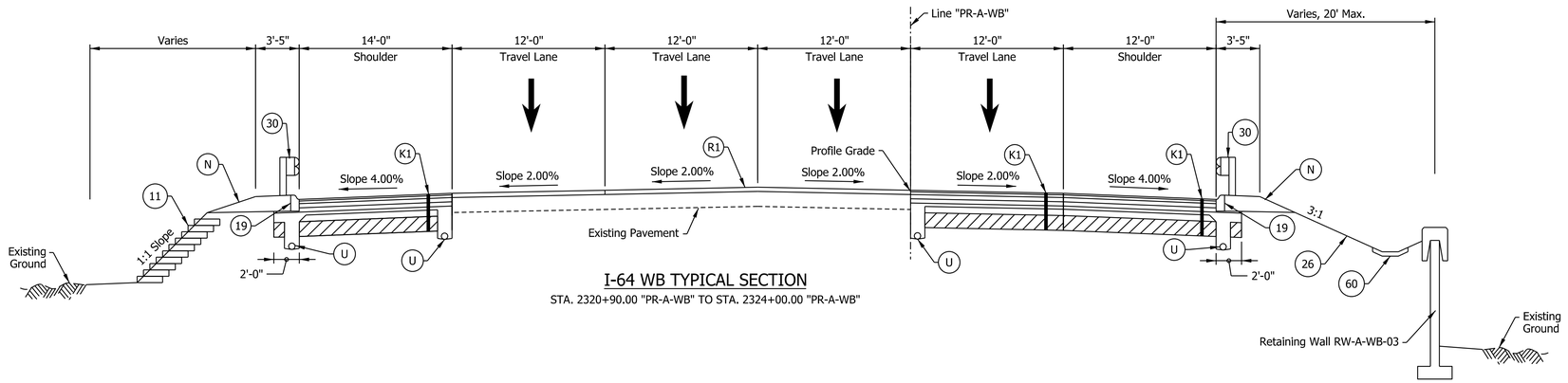
I-64 WB SUPERELEVATED TYPICAL SECTION

STA. 2307+00.00 "PR-A-WB" TO STA. 2320+90.00 "PR-A-WB"

Bridge Paving Exception Sta. 2306+56.94 to Sta. 2309+21.16



STA. 2309+16.83 "PR-A-WB" TO STA. 2320+90.00 "PR-A-WB"



I-64 WB TYPICAL SECTION

STA. 2320+90.00 "PR-A-WB" TO STA. 2324+00.00 "PR-A-WB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

* Max rollover between shoulder and travel lane not to exceed 8%.

A Left shoulder width varies from 13'-10 7/8" to 15'-9" across the bridge over Captain Frank Road
Right shoulder width increased to 12'-4" approaching and exiting the bridge over Captain Frank Road

B Shoulder slope to rotate to match adjacent lane slope on the bridges over the interior system interchange ramps and Captain Frank Road.

1 Choice lane width varies from 12'-0" at Sta. 2306+96.82 to 0'-0" at Sta. 2317+00.00

FOR INFORMATION ONLY

NOTE TO REVIEWER
Coordination with Geotech is in progress. Retaining Wall Details will be Refined in future Submittals

NOTE TO REVIEWER
2-foot lane extensions at the shoulders will be reviewed and implemented where applicable in a future submittal.

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: CGR

CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 WESTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS TS-14
ELECTRONIC	4 of 22
CONTRACT	PROJECT
R-42570	1900162

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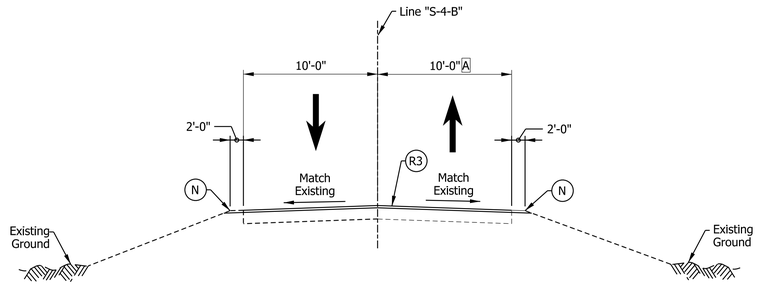
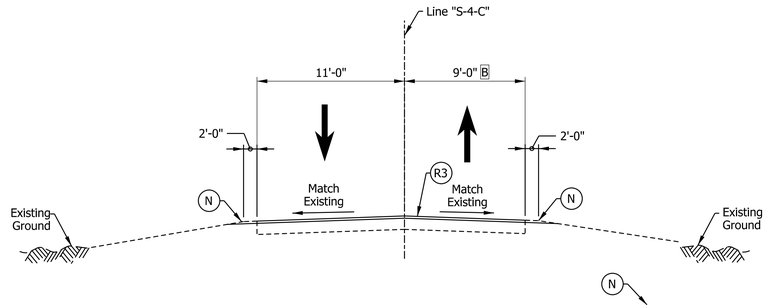


Captain Frank Road Typical Section

STA. 48+50.00 "S-4-B" TO STA. 54+00.00 "S-4-B"



Quarry Road Typical Section

STA. 47+31.00 "S-4-C" TO STA. 51+70.00 "S-4-C"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

A Northbound Travel Lane is 10'-0" from Sta. 48+50 "S-4-B" to Sta. 52+50 "S-4-B"
Northbound Travel Lane Varies from 10'-0" to 11'-6" from Sta. 52+50 "S-4-B" to Sta. 54+00 "S-4-B"

B Northbound Travel Lane Varies from 9'-0" to 14'-6" from Sta. 51+25 "S-4-C" to Sta. 51+70 "S-4-C"

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JKH DRAWN: JKH

CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

QUARRY ROAD / CAPTAIN FRANK ROAD
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS TS-42
ELECTRONIC	5 of 22
CONTRACT	PROJECT
R-42570	1900162

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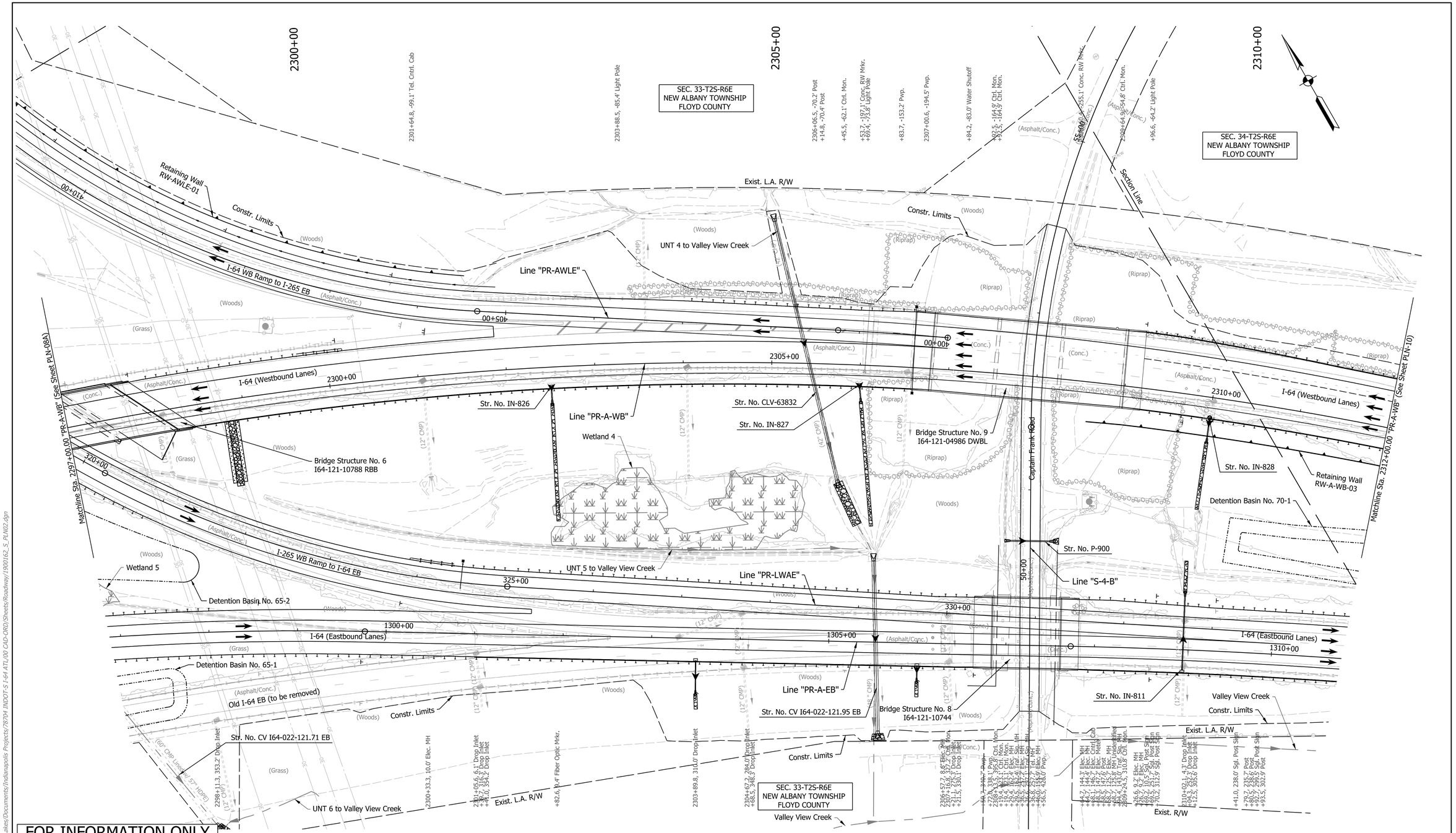

FOR INFORMATION ONLY

Note:
For Geometric information see Geometric Layout Sheets
GEO-01 to GEO-13.

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: RJS

CHECKED: KRC CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A-WB"
STA. 2297+00 TO STA. 2312+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS PLN-09A
ELECTRONIC	6 of 22
CONTRACT	PROJECT
R-42570	1900162

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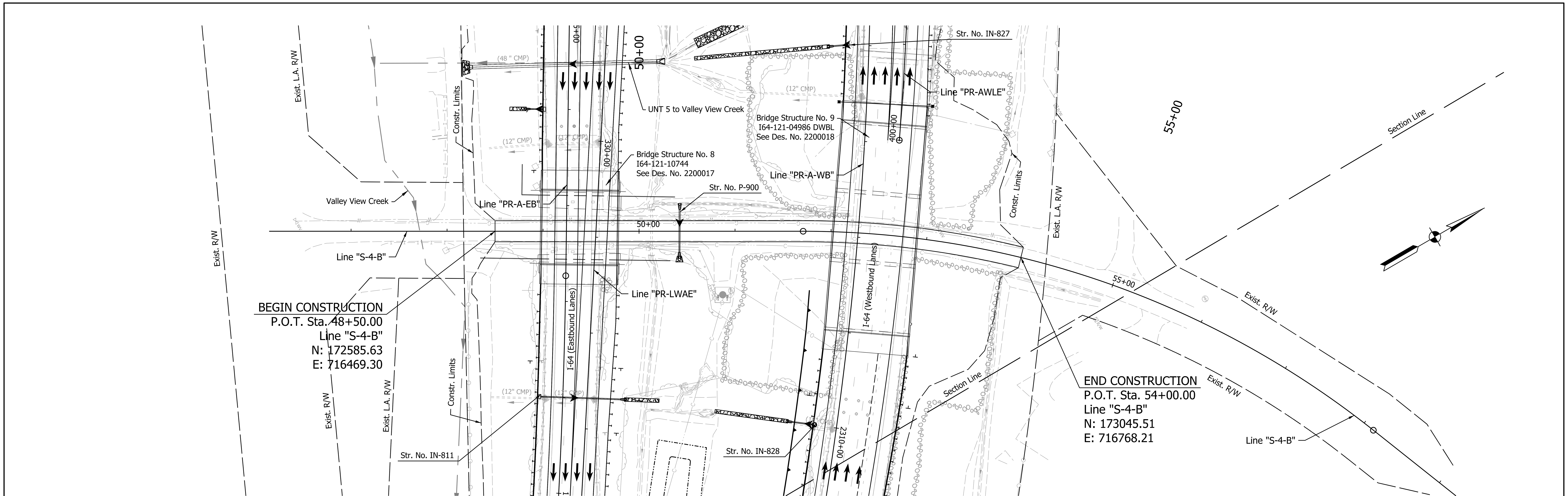

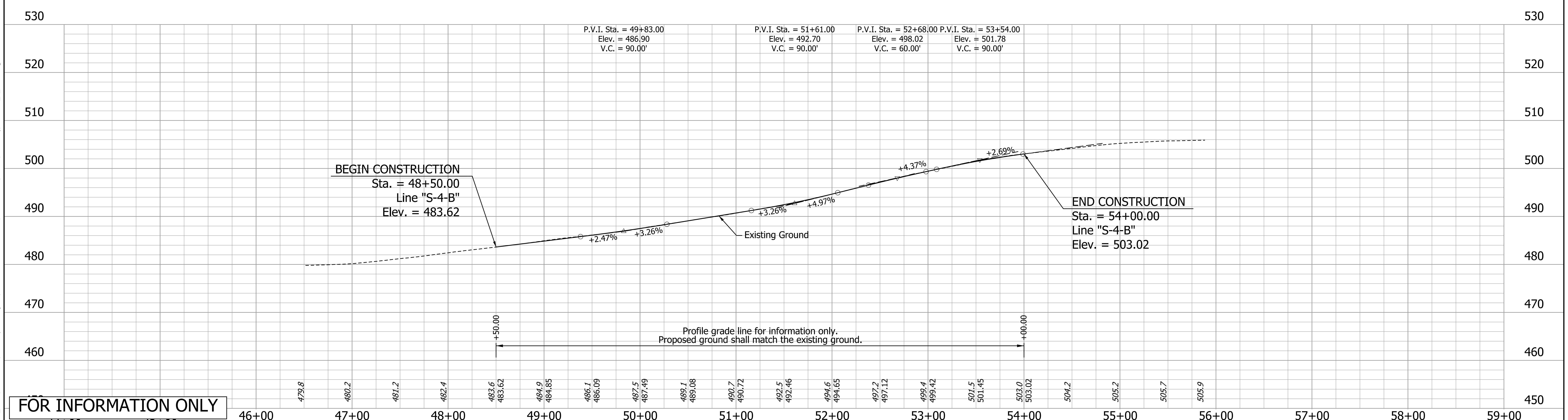

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE
DESIGNED: SGM	DRAWN: RJS		
CHECKED: KRC	CHECKED: KRC		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "S-4-B"
STA. 48+50 TO STA. 54+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900162
SURVEY BOOK	SHEETS PLN-57
ELECTRONIC	8 of 22
CONTRACT	PROJECT
R-42570	1900162

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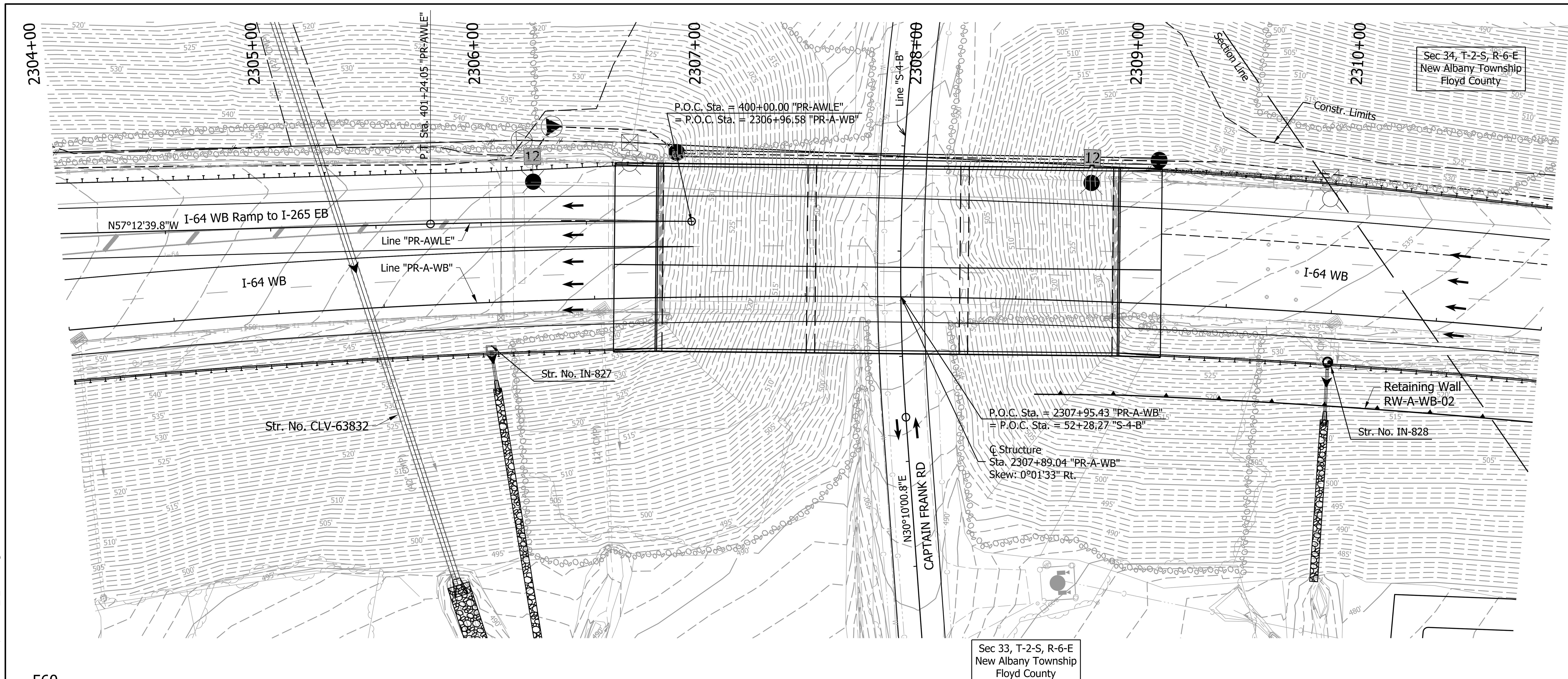

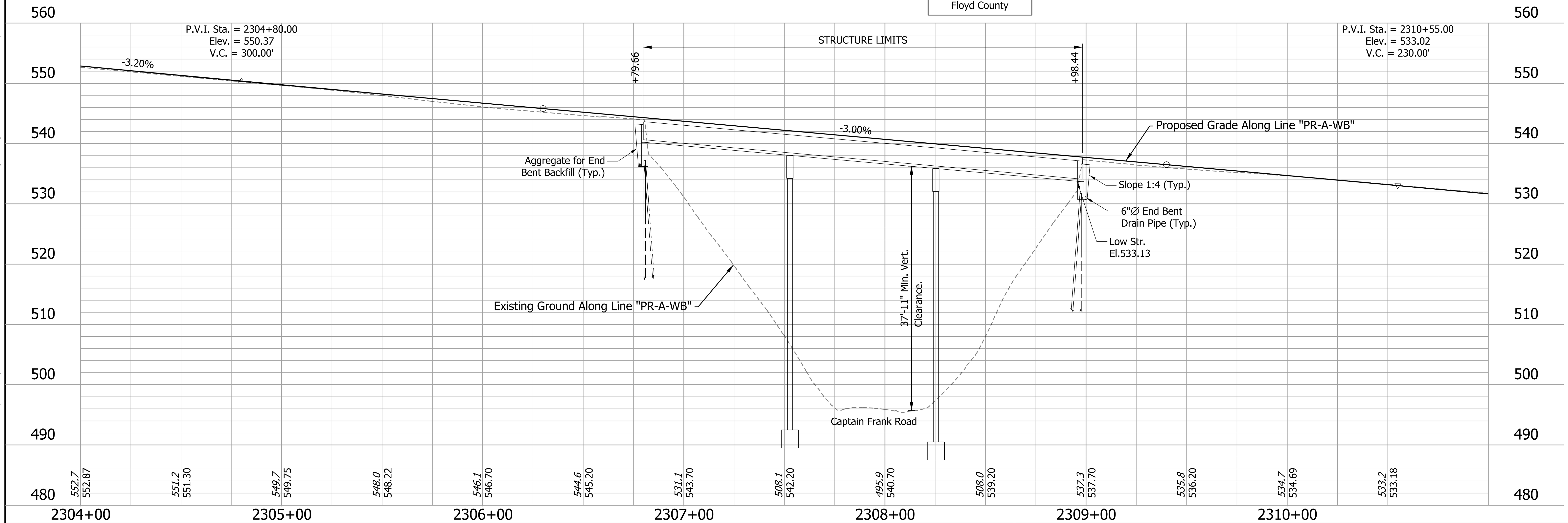

EXISTING STRUCTURE

Existing structure (I64-121-04986 CWBL) is a three-span (72'-0 1/2", 72'-7", & 72'-0 1/2") composite prestressed concrete I-beam bridge with a variable width (62'-2" min.) clear roadway (To Be Rehabilitated).

EARTHWORK TABULATION

For Earthwork Summary, See Road Plans Des. No. 19000162

HORIZONTAL CURVE DATA FOR LINE "PR-A-WB"

CURVE 18
P.I. 2303+73.18 "PR-A-WB"
Δ = 39°07'32.28" RT
D = 01°30'20.35"
R = 3805.38'
T = 1352.25'
L = 2598.58'
E = 233.12'
e = 3.80%

HORIZONTAL CURVE DATA FOR LINE "S-4-B"

CURVE 23
P.I. 55+04.16 "S-4-B"
Δ = 28°28'00.00" RT
D = 05°59'59.59"
R = 954.93'
T = 333.16'
L = 641.11'
E = 56.45'
e = 3.80%

NOTES:

For Reference Ties and Benchmarks,
See Road Plans Des. No. 1900162.
For Ditch Grades & Guardrail Limits,
See Plan & Profile Sheet of Road Plans, Des. No. 1900162.
For existing and proposed utilities, drainage, lighting, signing, and ITS, see Des. No. 1900162.

CONTINUOUS COMPOSITE PRESTRESSED
CONCRETE BULB-TEE BRIDGE
3 SPAN: 72'-2 1/2", 72'-7", & 72'-2 1/2"
86'-6" CLEAR ROADWAY SKEW: 0°01'33" RT.
I-64 WB OVER CAPTAIN FRANK ROAD
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: DRT		DRAWN: JP	
CHECKED: TSW		CHECKED: TSW	

INDIANA
DEPARTMENT OF TRANSPORTATION

LAYOUT - LINE "PR-A-WB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	I64-121-04986 DWBL
VERTICAL SCALE	DESIGNATION
1"=10'	2200018
DRAWING NUMBER	SHEETS
C1 of C5	13 of 22
CONTRACT	PROJECT
R-42641	1900162

ssmith
12/5/2022; 10:13:01 AM
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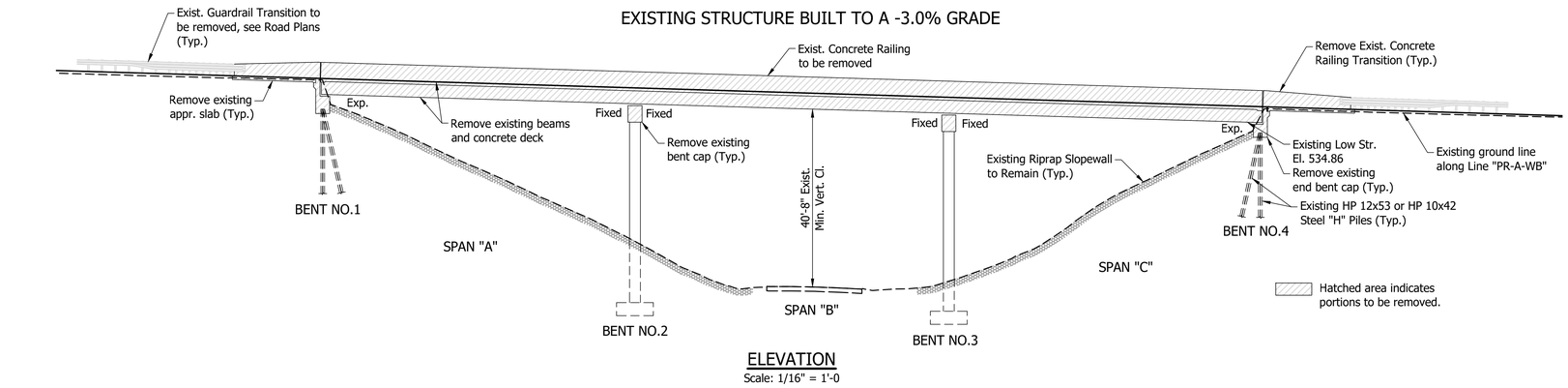
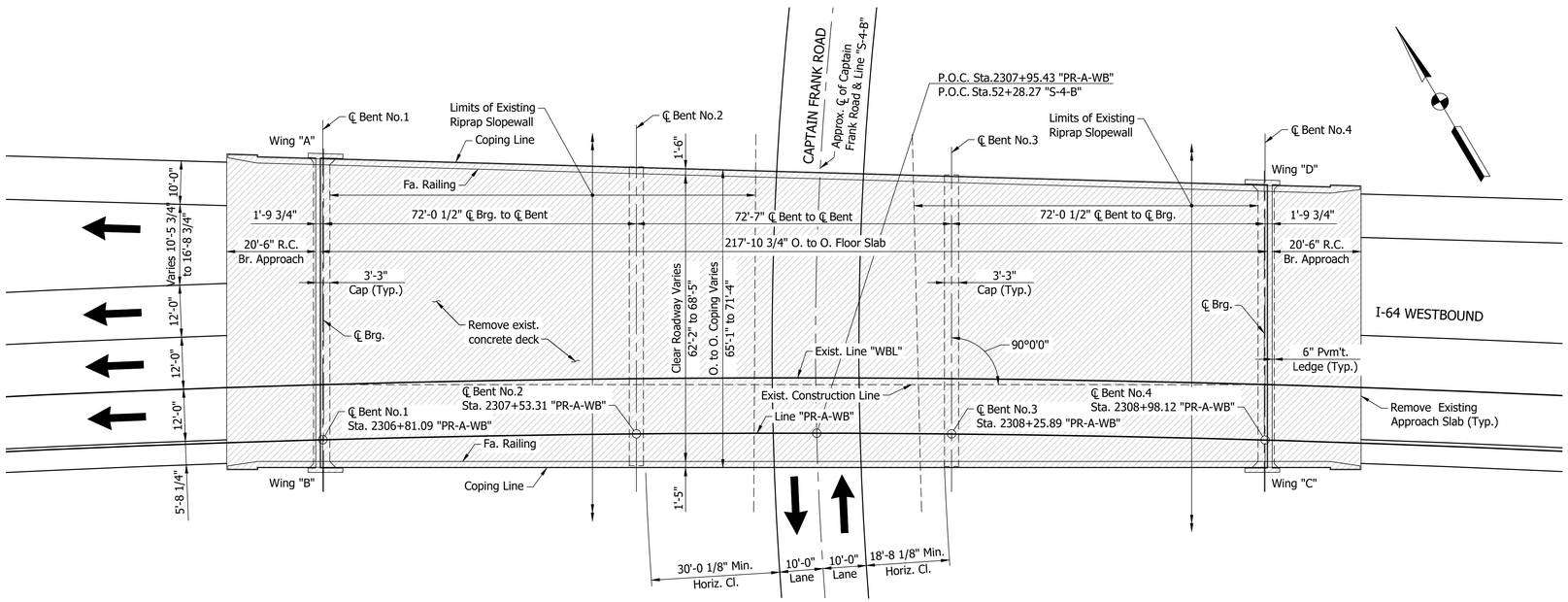


ELEVATION
Scale: 1/16" = 1'-0



PLAN
Scale: 1/16" = 1'-0

Notes:
For Typical Section & General Notes, see Dwg. C4.
For Proposed Plan and Elevation, see Dwg. C3.

COMPOSITE PRESTRESSED CONCRETE TYPE III I-BEAM BRIDGE
3 SPANS: 72'-0 1/2", 72'-7", & 72'-0 1/2"
CLEAR ROADWAY VARIES (62'-2" MIN.) SKEW: 0°
I-64 WB OVER CAPTAIN FRANK ROAD
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SJM DRAWN: JF

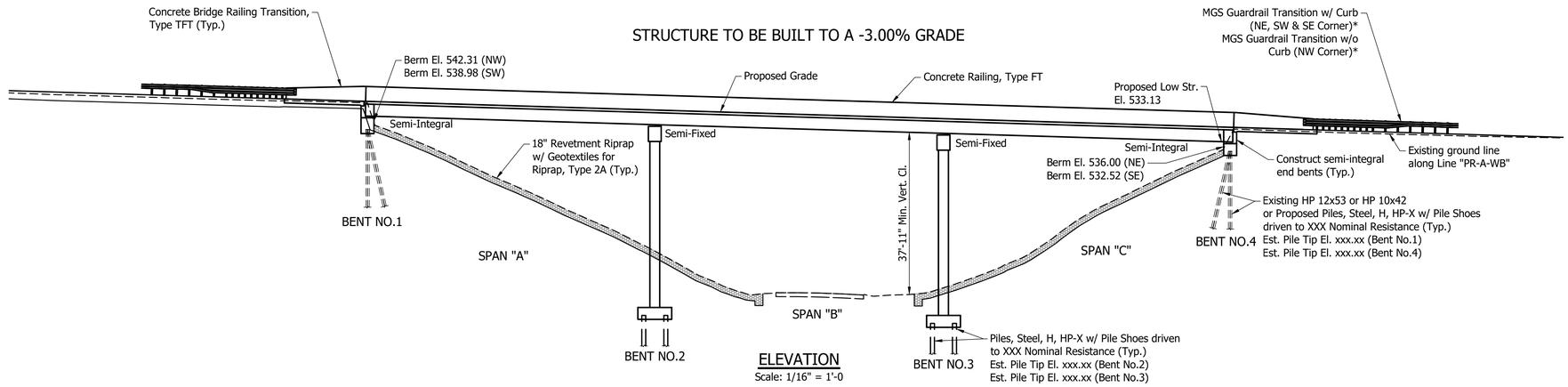
CHECKED: TSW CHECKED: SJM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
EXISTING

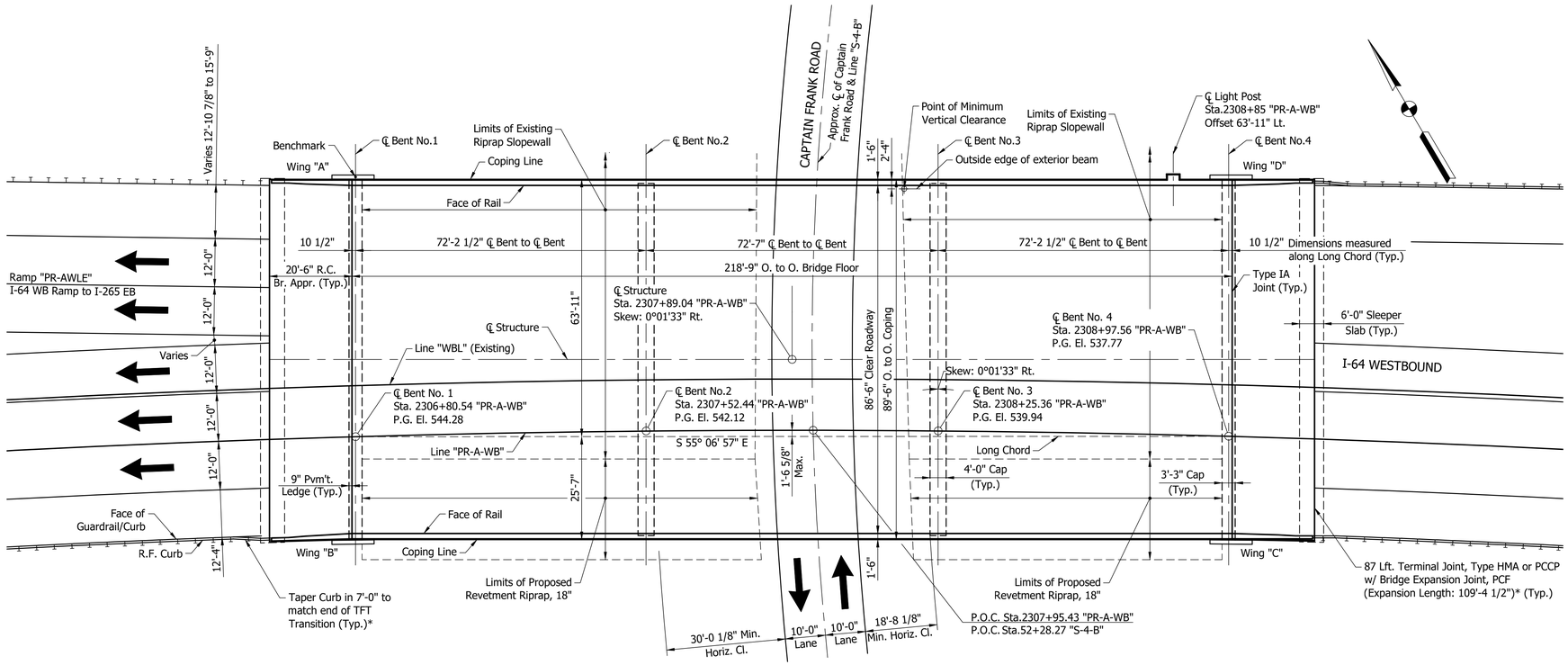
HORIZONTAL SCALE	BRIDGE FILE
1/16" = 1'-0"	I64-121-04986 DWBL
VERTICAL SCALE	DESIGNATION
1/16" = 1'-0"	2200018
DRAWING NO.	SHEETS
C2 of C5	14 of 22
CONTRACT	PROJECT
R-42570	1900162

smihalow | p:\210004-I-64 at\02bridge\04plans\212-structure 9 i-64 wb over cpt frank\str 9 - sht general plan.dwg | existing general plan | 12/5/2022 10:11:05 AM ||



ELEVATION
Scale: 1/16" = 1'-0

Note to Reviewer:
- The Geotechnical Investigation is currently underway. Soil borings, Pile Size and Type will be added at a future submittal.
- The bridge middle ordinate exceeds the 1'-0" shown in IDM Fig 402-6I; however, it is more economical to use a tangent, consistent out-to-out bridge width with parallel beams and constant overhangs. It also better facilitates maintenance of traffic.



PLAN
Scale: 1/16" = 1'-0

Notes:
For Typical Section & General Notes, see Dwg. C4.
For Type IA Joint, see Std.Dwg.No.E609-BRJT-01.
* Roadway Item

CONTINUOUS COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE
3 SPANS: 72'-2 1/2", 72'-7", & 72'-2 1/2"
86'-6" CLEAR ROADWAY SKEW: 0°01'33" RT.
I-64 WB OVER CAPTAIN FRANK ROAD
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SJM DRAWN: JF

CHECKED: TSW CHECKED: SJM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PROPOSED

HORIZONTAL SCALE	BRIDGE FILE
1/16" = 1'-0"	I64-121-04986 DWBL
VERTICAL SCALE	DESIGNATION
1/16" = 1'-0"	2200018

DRAWING NO.	SHEETS
C3 of C5	15 of 22
CONTRACT	PROJECT
R-42570	1900162

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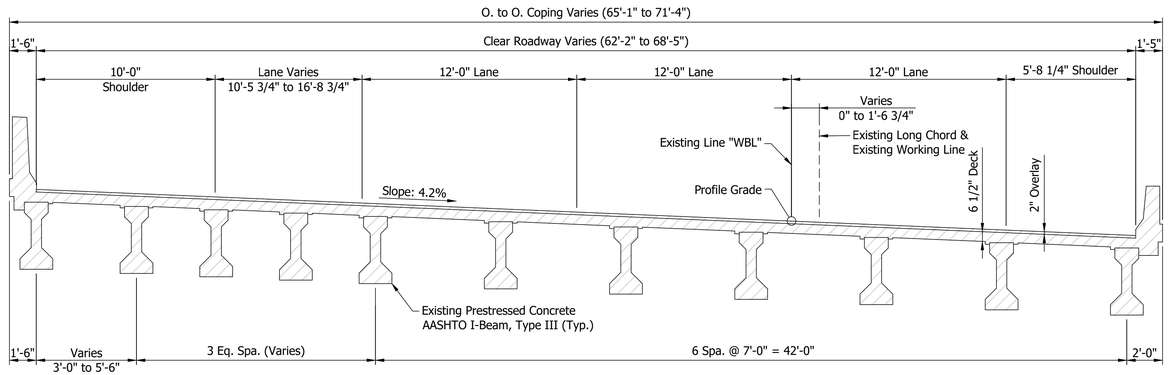
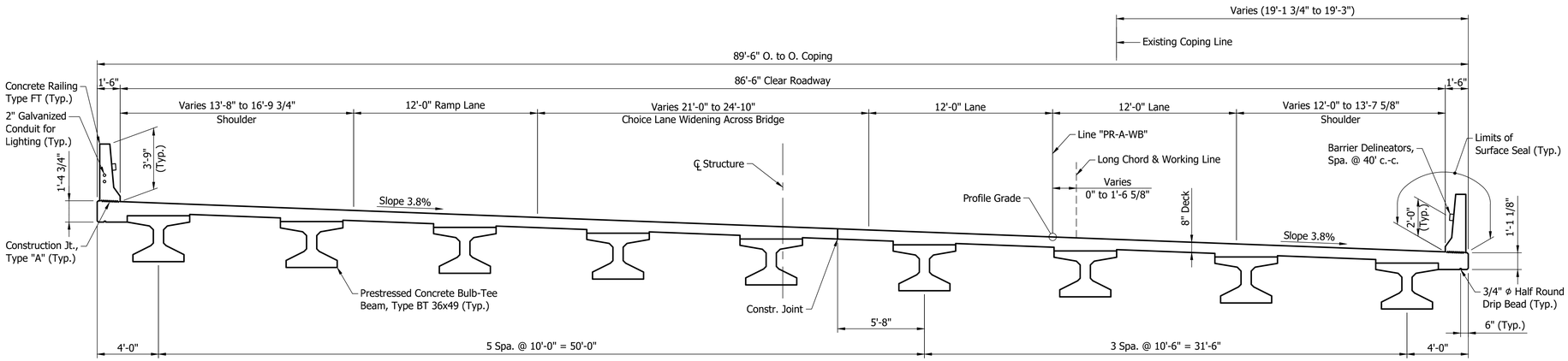


EXISTING TYPICAL SECTION

Scale: 1/4" = 1'-0"



PROPOSED TYPICAL SECTION

Scale: 1/4" = 1'-0"

Note to Reviewer:

- Seismic Data will be provided at a later submittal when the Geotechnical Investigation is available.
- Geotextile Type to be provided when Geotechnical Report is complete
- Surface Seal Quantity to be provided at Stage 3
- Stakeout Diagram to be provided at Stage 3

Notes:

Hatched area indicates portions to be removed.

For Existing Plan & Elevation, see Dwg. C2.

For Proposed Plan & Elevation, see Dwg. C3.

For Type "A" Construction Joint, see Std.Dwg.No.E702-CJTA-01.

GENERAL NOTES

Reinforcing bar covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, 3" in footings except for bottom bars which shall be 4" and 2" in all other parts, unless otherwise noted.

Reinforcing bars in deck, barrier, end bent diaphragms and end bent caps shall be epoxy coated, unless otherwise noted.

The concrete bridge railings, concrete railing transitions and all exposed surfaces of wings and end bents to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = XXXX Sft.)

DESIGN DATA

LIVE LOAD

Designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017.

DEAD LOAD

Actual weight plus 35 psf (composite) for future wearing surface and 15 psf (non-composite) for permanent metal deck forms.

FLOOR SLAB

Designed with 7 1/2" structural depth plus 1/2" sacrificial wearing surface.

DESIGN STRENGTHS

To be in accordance with AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017.

PRESTRESSED CONCRETE, NORMAL WEIGHT:
- f'c=8,000 psi @ 28 days
- Initial f'c=5,000 psi @ Release of Strands

PRESTRESSING STRANDS:
- 0.6" Ø 7 Wire LoLax Strands (As=0.217 in²)
- Min. Tensile Strength=270,000 psi
- Initial Pull=43,940 lbs. per strand

CONCRETE:
- Class "A": f'c=3,500 psi
- Class "B": f'c=3,000 psi
- Class "C": f'c=4,000 psi

REINFORCING BARS:
- Grade 60: Fy=60,000 psi

SEISMIC DATA

AASHTO Guide Specifications for LRFD Seismic Bridge Design
- Seismic Zone X
- S1 = X.XX
- Site Class X
- Fv = X.XX

CONSTRUCTION LOADING

The exterior beams have been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of exterior beam. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the beam bottom flange and web.

DECK FALSEWORK LOADS:
Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft. exterior walkway.

CONSTRUCTION LIVE LOAD:
Designed for 20 psf extending 2 ft. past the edge of coping and 75 plf vertical force applied at a distance of 6 inches outside the face of coping over a 30-ft. length of the deck centered with the finishing machine.

FINISHING-MACHINE LOAD:
4,500 lbs distributed over 10 ft. along the coping.

WIND LOAD:
Designed for 70 mph horizontal wind loading in according with AASHTO LRFD 3.8.1.

CONTINUOUS COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE
3 SPANS: 72'-2 1/2", 72'-7", & 72'-2 1/2"
86'-6" CLEAR ROADWAY SKEW: 0°01'33" RT.
I-64 WB OVER CAPTAIN FRANK ROAD
FLOYD COUNTY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SJM DRAWN: JF

CHECKED: TSW CHECKED: SJM

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	I64-121-04986 DWBL
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	2200018

DRAWING NO.	SHEETS
C4 of C5	16 of 22
CONTRACT	PROJECT
R-42570	1900162

smihalow | p:\210004-i-64 atl\02bridge\04plans\212-structure 9 i-64 wb over cpt frank\str 9 - sht general plan.dwg | general plan typ sec | 12/5/2022 10:11:08 AM ||

PROJECT	DESIGNATION
1900162	1702614
CONTRACT	BRIDGE FILE
R-42570	I64-122-04988 D

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PREVENTIVE MAINTENANCE PLANS

FOR SPANS OVER 20 FEET

ROUTE : I-64 AT: RP 122+49

PROJECT NO. 1702614 P.E.
1900162 R/W
1702614 CONST.

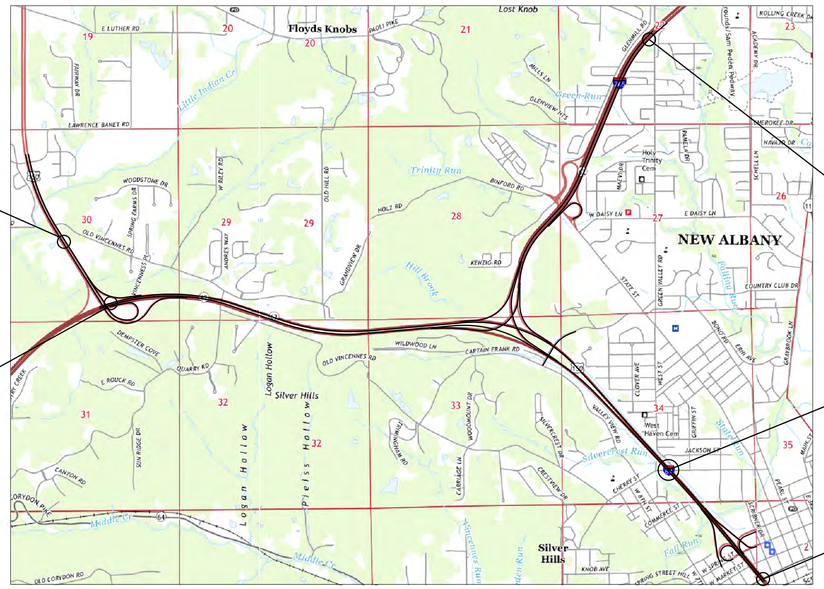
STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-122-04988 D	PRESTRESSED CONCRETE I-BEAM BRIDGE	3 SPANS: 52'-11", 86'-11 1/2", 52'-11" SKEW: 41°55'00" RT.	CHERRY STREET	℄ STRUCTURE STA. 1354+04.03 "PR-A-EB" ℄ STRUCTURE STA. 2355+85.98 "PR-A-WB"

KIN PROJECT INFORMATION		
DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	Added Travel Lanes on I-64	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64	Str. 1
1800405	Bridge Painting on US 150 WB over I-64	Str. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road	Str. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road	Str. 4
1702617	Bridge Replacement on I-64 WB over I-64 Ramp to I-265 EB	Str. 5A
2200016	Bridge Replacement on I-64 EB over I-64 Ramp to I-265 EB	Str. 5B
1800721	Bridge Replacement on I-64 WB over I-265 Ramp to I-64 EB	Str. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB over I-64 EB to I-265 EB	Str. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road	Str. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road	Str. 9
1702614	Bridge Deck Overlay on I-64 EB & WB over Cherry Street	Str. 10
2000326 / 2000323	Bridge Deck Replacement and Widening on I-265 EB over State Street	Str. 11
2000324	Bridge Deck Overlay on I-265 WB over State Street	Str. 12
1700205	I-64 WB over SR62 / SR 64	Str. 14
1700206	I-64 EB over SR62 / SR 64	Str. 13
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	Str. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	Str. 16
2002072	US 150 EB over Little Indian Creek	Str. 18
2002073	US 150 WB over Little Indian Creek	Str. 19
2200719	I-64 EB & WB over SR 62 / Spring Street	Str. 20
2200718	I-64 WB Off-Ramp to Spring over I-64 WB On-Ramp from Spring	Str. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	Str. 17
TBD	Valley View Creek (6 Small Structure and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

NOTE TO REVIEWER
The list of KIN'd projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the contract package.

STAGE 2 PLANS

BRIDGE DECK OVERLAY ON I-64 OVER CHERRY STREET
LOCATED 0.85 MILES WEST OF SR 111 IN
SECTION 34, T-2-S, R-6-E, NEW ALBANY TOWNSHIP, FLOYD COUNTY, INDIANA



LOCATION MAP
FLOYD COUNTY

BEGIN CONSTRUCTION
PROJECT NO. 1900162
STA. 1025+38.31
LINE "PR-U-WB"

BEGIN PROJECT
PROJECT NO. 1900162
STA. 1180+86.02
LINE "PR-A-EB"

END CONSTRUCTION
PROJECT NO. 1900162
STA. 2077+97.42
LINE "PR-L-EB"

STRUCTURE LOCATION
I-64 EB OVER CHERRY STREET
STA. 1354+04.03 "PR-A-EB"
I-64 WB OVER CHERRY STREET
STA. 2355+85.98 "PR-A-WB"

END PROJECT
PROJECT NO. 1900162
STA. 1393+50.00
LINE "PR-A-EB"

SCALE: 1" = 2000'

TRAFFIC DATA		I-64 MAINLINE	CHERRY STREET
A.A.D.T.	(2019)	66,980 V.P.D.	5,180 V.P.D.
A.A.D.T.	(2046)	84,980 V.P.D.	6,880 V.P.D.
D.H.V	(2046)	8,190 V.P.H.	720 V.P.H.
DIRECTIONAL DISTRIBUTION		68%	54%
TRUCKS		10%	2%
		6% D.H.V.	1% D.H.V.

DESIGN DATA		
DESIGN SPEED	70 M.P.H.	
PROJECT DESIGN CRITERIA	4R (FREEWAY)	NO IMPROVEMENT
FUNCTIONAL CLASSIFICATION	INTERSTATE	
RURAL/URBAN	URBAN	
TERRAIN	ROLLING	
ACCESS CONTROL	FULL	

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°17'26.7" N LONGITUDE: 85°50'06.4" W

BRIDGE LENGTH: 0.038 MI.
ROADWAY LENGTH: * MI.
TOTAL LENGTH: * MI.
MAX. GRADE: 0.5 %

* SEE DES NO. 1900162

12-DIGIT HYDROLOGIC UNIT CODE: 051401010904

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS

SJCA
9102 North Meridian Street, Suite 200, Indianapolis, IN 46260
Phone: (317) 566-0629

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: SJCA, INC (317) 566-0629 PHONE NUMBER

CERTIFIED BY: DATE

RECOMMENDED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I64-122-04988 D
DESIGNATION
1702614

SURVEY BOOK	SHEETS TTL-01
ELECTRONIC	1 of 14
CONTRACT	PROJECT
R-42570	1900162

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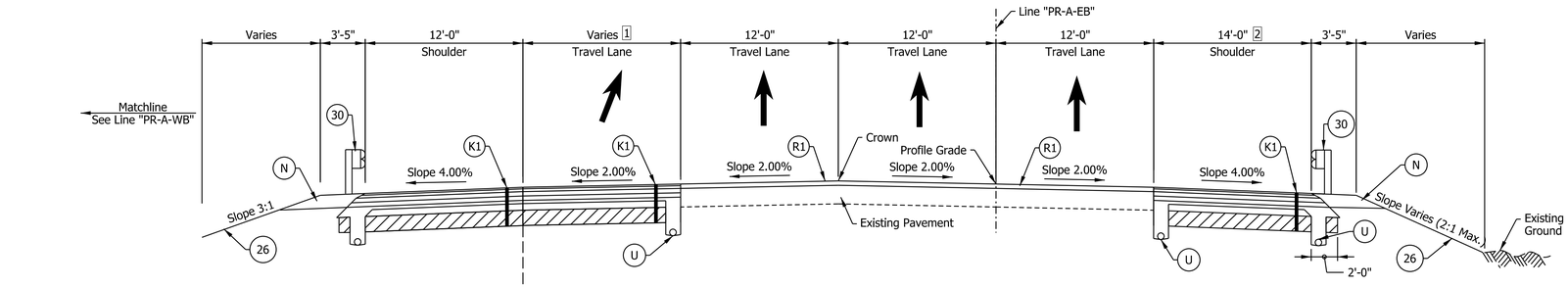
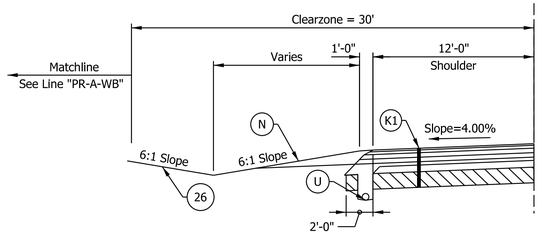
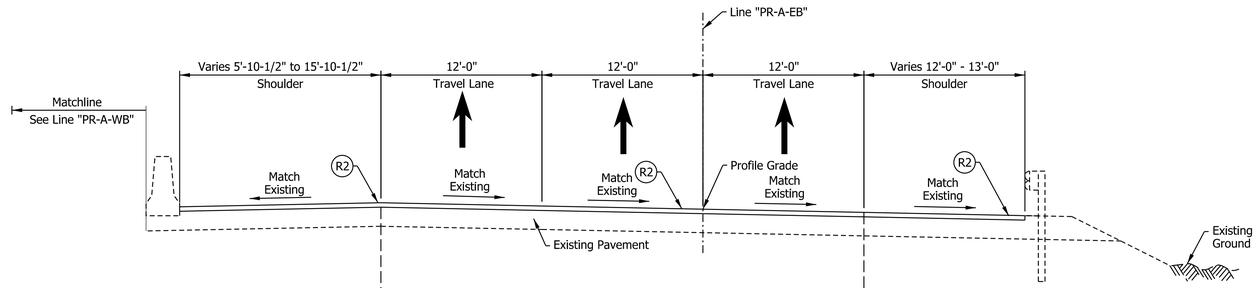


I-64 EB TYPICAL SECTION

STA. 1328+04.00 "PR-A-EB" TO STA. 1335+38.00 "PR-A-EB"



STA. 1333+00.00 "PR-A-EB" TO STA. 1335+38.00 "PR-A-EB"

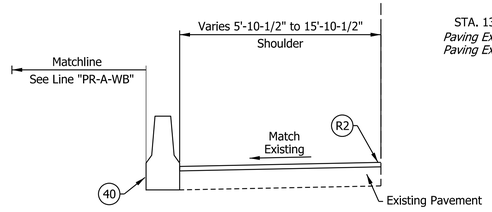


I-64 EB TYPICAL SECTION

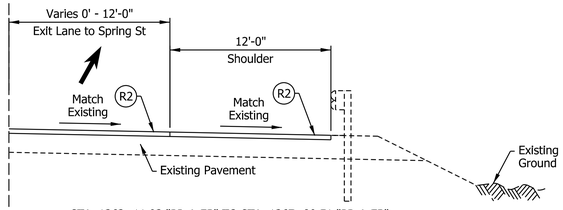
STA. 1335+38.00 "PR-A-EB" TO STA. 1383+96.28 "PR-A-EB"

Paving Exception Sta. 1353+05.04 to Sta. 1355+03.52 "PR-A-EB"

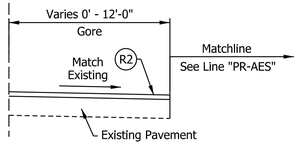
Paving Exception Sta. 1383+96.28 to Sta. 1386+06.25 "PR-A-EB"



STA. 1336+45.00 "PR-A-EB" TO STA. 1342+63.00 "PR-A-EB"



STA. 1363+11.93 "PR-A-EB" TO STA. 1367+80.51 "PR-A-EB"



STA. 1367+80.51 "PR-A-EB" TO STA. 1372+64.50 "PR-A-EB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

1 Lane width varies from 12'-0" at Sta. 1323+93.14 to 0'-0" Sta. 1333+00.00

2 Shoulder width varies from 14'-0" at Sta. 1333+00.00 to 12'-0" at St. 1335+38.00

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: CGR

CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
LINE "PR-A-EB"

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-122-04988 D
VERTICAL SCALE	DESIGNATION
AS NOTED	1702614
SURVEY BOOK	SHEETS TS-01
ELECTRONIC	3 of 14
CONTRACT	PROJECT
R-42570	1900162

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Notes:

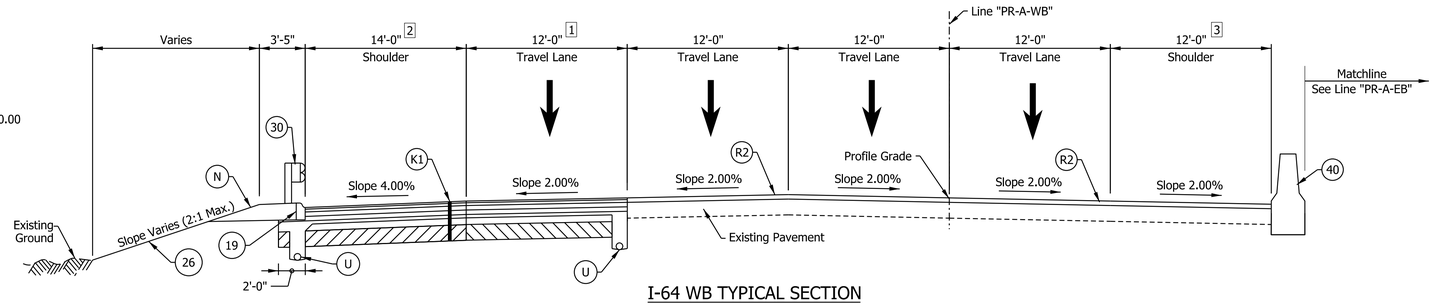
See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

[1] Lane width varies from 12'-0" at Sta. 2334+00.00 to 0'-0" at Sta. 2339+80.00

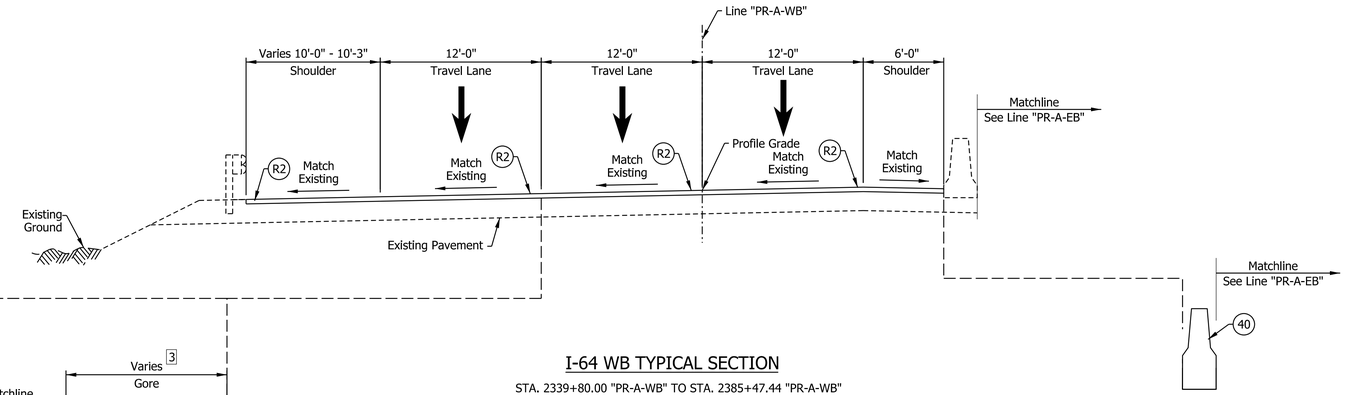
[2] Shoulder width varies from 14'-0" at Sta. 2334+00.00 to 10'-10" at Sta. 2339+80.00

[3] Shoulder width varies, maximum of 19'-6". Match Existing.



I-64 WB TYPICAL SECTION

STA. 2337+79.00 "PR-A-WB" TO STA. 2339+80.00 "PR-A-WB"



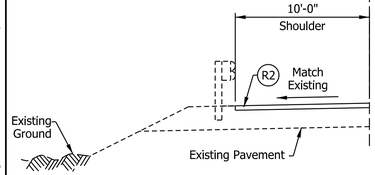
I-64 WB TYPICAL SECTION

STA. 2339+80.00 "PR-A-WB" TO STA. 2385+47.44 "PR-A-WB"

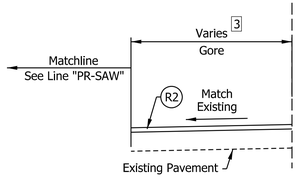
Paving Exception Sta. 2354+86.59 to Sta. 2356+85.07 "PR-A-WB"

Paving Exception Sta. 2385+47.44 to Sta. 2387+57.40 "PR-A-WB"

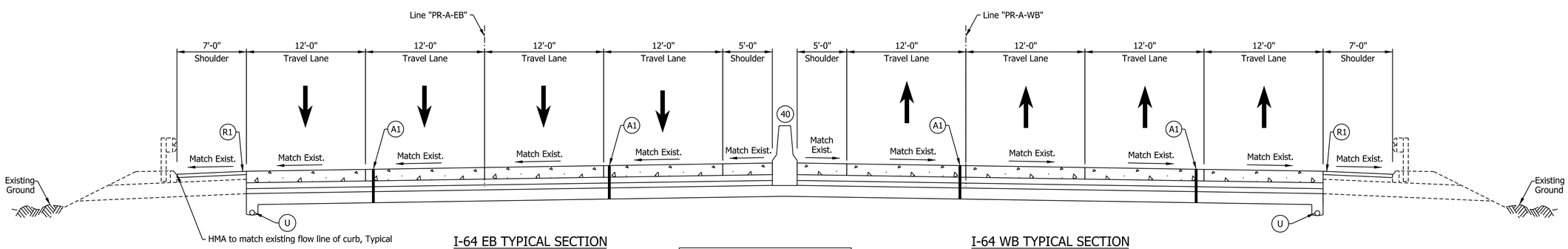
STA. 2337+82.00 "PR-A-WB" TO STA. 2344+00.00 "PR-A-WB"



STA. 2375+14.90 "PR-A-WB" TO STA. 2385+35.00 "PR-A-WB"



STA. 2372+38.29 "PR-A-WB" TO STA. 2375+14.90 "PR-A-WB"



I-64 EB TYPICAL SECTION

STA. 1386+06.25 "PR-A-EB" TO STA. 2388+71.50 "PR-A-EB"

I-64 WB TYPICAL SECTION

STA. 2387+57.40 "PR-A-WB" TO STA. 2390+10.10 "PR-A-WB"

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SDR DRAWN: CGM

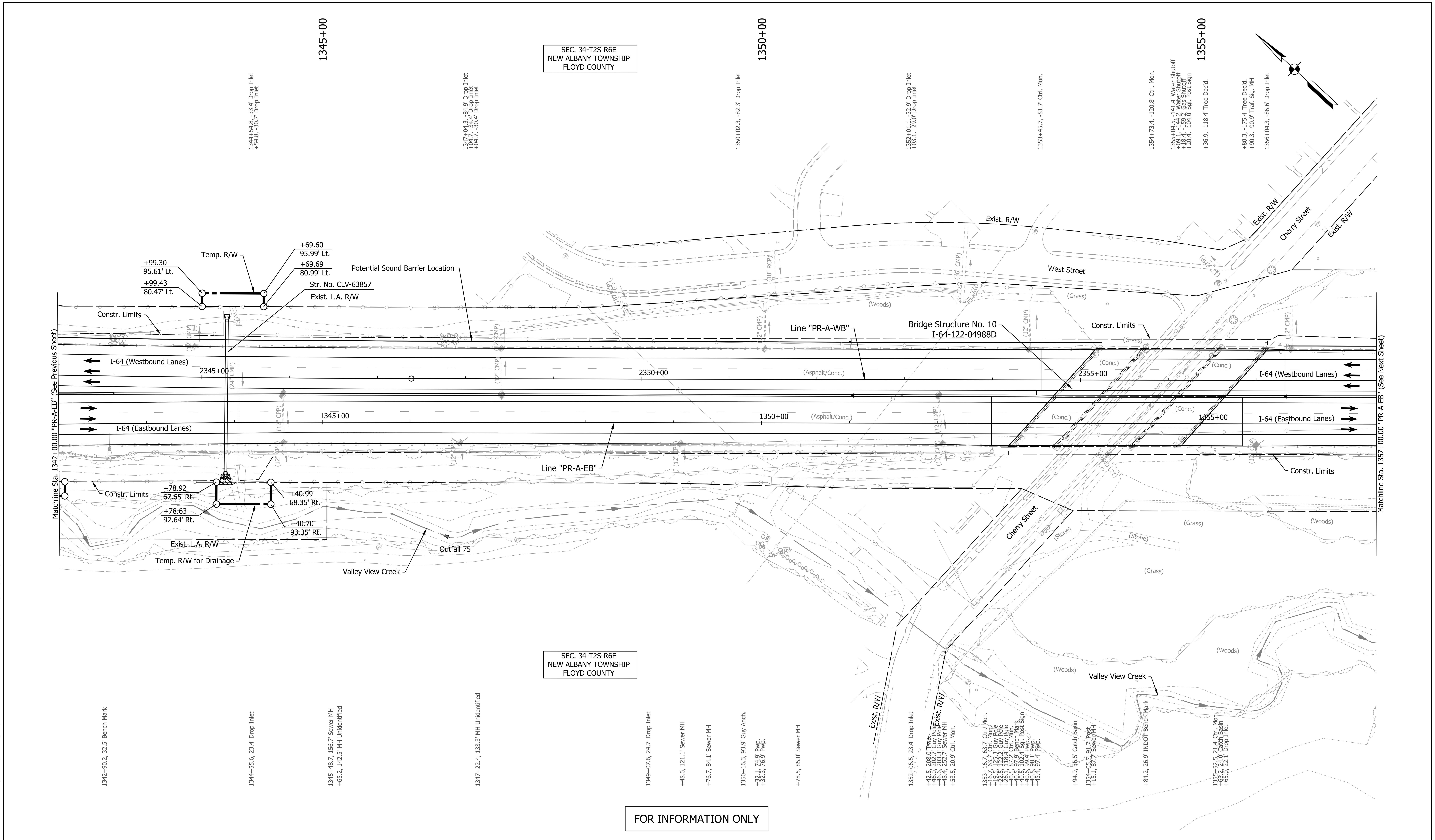
CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
LINE "PR-A-WB"

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-122-04988 D
VERTICAL SCALE	DESIGNATION
AS NOTED	1702614

SURVEY BOOK		SHEETS	TS-02
ELECTRONIC	4	of	14
CONTRACT		PROJECT	
R-42570		1900162	



Note:
For Geometric information see Geometric Layout Sheets
GEO-01 to GEO-13.

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: SGM	DRAWN: RJS		
CHECKED: KRC	CHECKED: KRC		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A-EB" - STA. 1342+00 TO STA. 1357+00
LINE "PR-A-WB" - STA. 2342+00 TO STA. 2357+00

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-122-04988 D
VERTICAL SCALE	DESIGNATION
AS NOTED	1702614
SURVEY BOOK	SHEETS PP-01
ELECTRONIC	5 of 14
CONTRACT	PROJECT
R-42570	1900162

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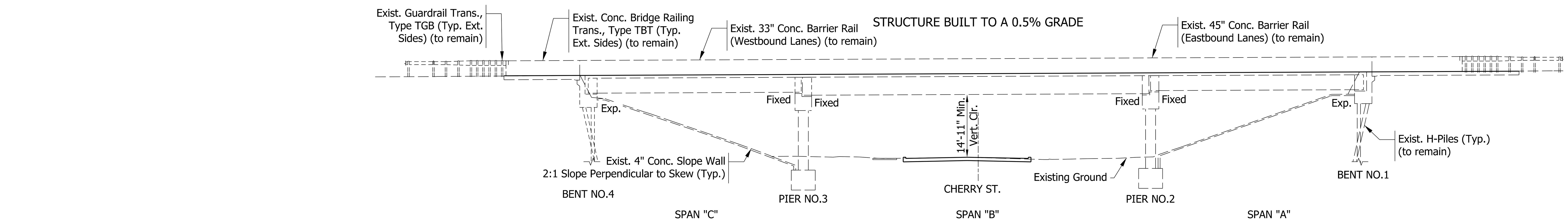
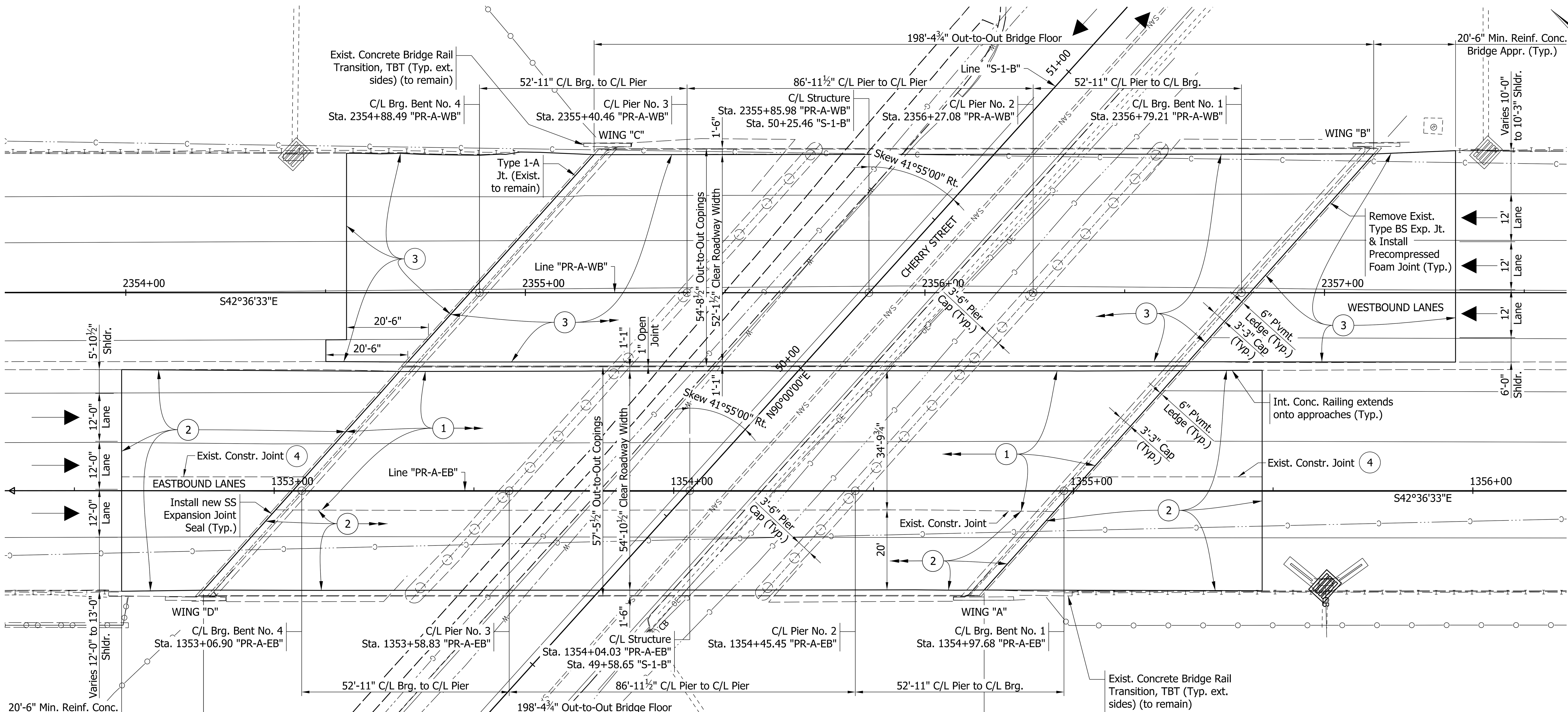


ELEVATION

Scale: $\frac{1}{16}$" = 1'-0"

NOTE TO REVIEWER

The names of the substructure units are from existing plans. The alignment from existing plans ran the opposite direction as the alignments currently shown from survey. This causes the names to be in reverese order compared to normal naming convention.



PLAN

Scale: $\frac{1}{16}$" = 1'-0"

GENERAL NOTES

Reinforcing Steel covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, and 2" in all other parts, unless noted.

All exposed faces of concrete bridge and transition railings to be sealed in accordance with Article 702.21 of the Specifications. (Estimated Quantity = 4,734 Sft.)

Where new work is to be fitted to the old work, the Contractor shall check and verify all dimensions, elevations and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new construction to the existing structure.

Data shown for existing bridge and subsequent geometry for proposed structure taken from original structure plans.

Original and Rehabilitation Plans for existing structure are on file in the Research and Documents Section at the Indiana Department of Transportation, as Bridge File No. I-64-124-4988, I-64-124-4988A, I-64-124-4988B, I-64-124-4988C and are available upon request.

DESIGN DATA

LIVE LOAD

Original Structure Designed for HS20-44 and Military Loading with impact and distribution of loads in accordance with 1961 AASHTO Standard Specifications for Highway Bridges. EB Structure widening Designed for HS20-44 and Military Loading with impact and distribution of loads in accordance with 2002 AASHTO Standard Specifications for Highway Bridges.

DEAD LOAD

Original Structure and Widened Structure designed for actual weight plus 35 psf for future wearing surface.

DESIGN STRENGTHS

To be in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

CONCRETE:
CLASSS "C": f'c = 4,000
REINFORXING STEEL:
GRADE 60: f'c = 60,000 PSI

MATERIAL NOTES

1½", 2", or 2½" Latex Modified Concrete, LMC-VE

NOTES

1. For Typical Bridge Sections, see Dwg. No. PLN-02.
2. For clarity, the dimensions shown are based off existing plans while the alignments are based of survey data. Discrepancies may exist between the data.

LEGEND

(1) 2" Bridge Deck Remove Exist. Conc. Overlay; Use Hydrodemolition to remove unsound concrete
(Total Bridge Deck Remove Exist. Conc. Overlay = 769 Sys)
Construct 2½" Bridge Deck Overlay (LMC-VE)
(Total Bridge Deck Overlay LMC-VE = 769 Sys)
Perform Longitudinal Grooving on Deck

(2) 1" Bridge Deck Remove Exist. Conc. Surface; Use Hydrodemolition to remove unsound concrete
(Total Bridge Deck Remove Exist. Conc. Surface = 993 Sys)
Construct 1½" Bridge Deck Overlay (LMC-VE)
(Total Bridge Deck Overlay LMC-VE = 993 Sys)
Perform Longitudinal Grooving on Deck

(3) 1¾" Bridge Deck Remove Exist. Conc. Overlay; ¼" Bridge Deck Remove Exist. Conc. Surface; Use Hydrodemolition to remove unsound concrete
(Total Bridge Deck Remove Exist. Conc. Overlay = 1,659 Sys)
(Total Bridge Deck Remove Exist. Conc. Surface = 1,659 Sys)
Construct 2" Bridge Deck Overlay (LMC-VE)
(Total Bridge Deck Overlay LMC-VE = 1,659 Sys)
Perform Longitudinal Grooving on Deck

(4) Type 1-A Construction Joint to be installed on Reinforced Concrete Bridge Approach overlay to perpetuate the existing longitudinal construction joint. (See Unique Special Provision)

PRESTRESSED CONCRETE I-BEAM BRIDGE
3 SPANS: 52'-11", 86'-11½", 52'-11"
54'-10½" CLEAR ROADWAY (EASTBOUND)
52'-1½" CLEAR ROADWAY (WESTBOUND)
SKEW: 41°55'00" RT.
I-64 EB/WB OVER CHERRY STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER ____ DATE

DESIGNED: KCH	DRAWN: KCH		
CHECKED: MJF	CHECKED: MJF		

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE		
AS NOTED	I64-122-04988 D		
VERTICAL SCALE	DESIGNATION		
AS NOTED	1702614		
SURVEY BOOK	SHEETS	PLN-01	
ELECTRONIC	8	of	14
CONTRACT	PROJECT		
R-42570	1900162		

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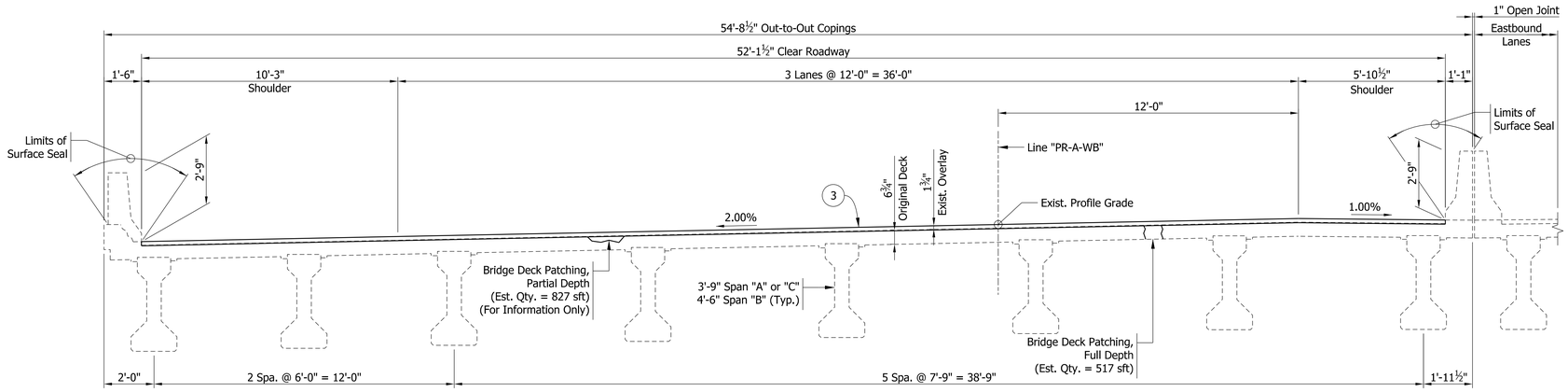
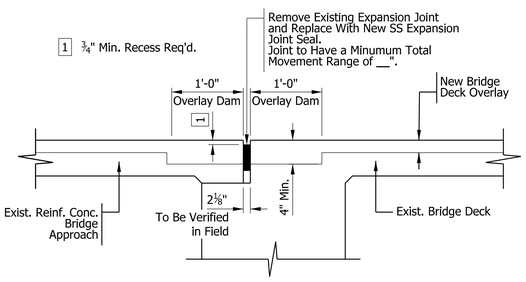


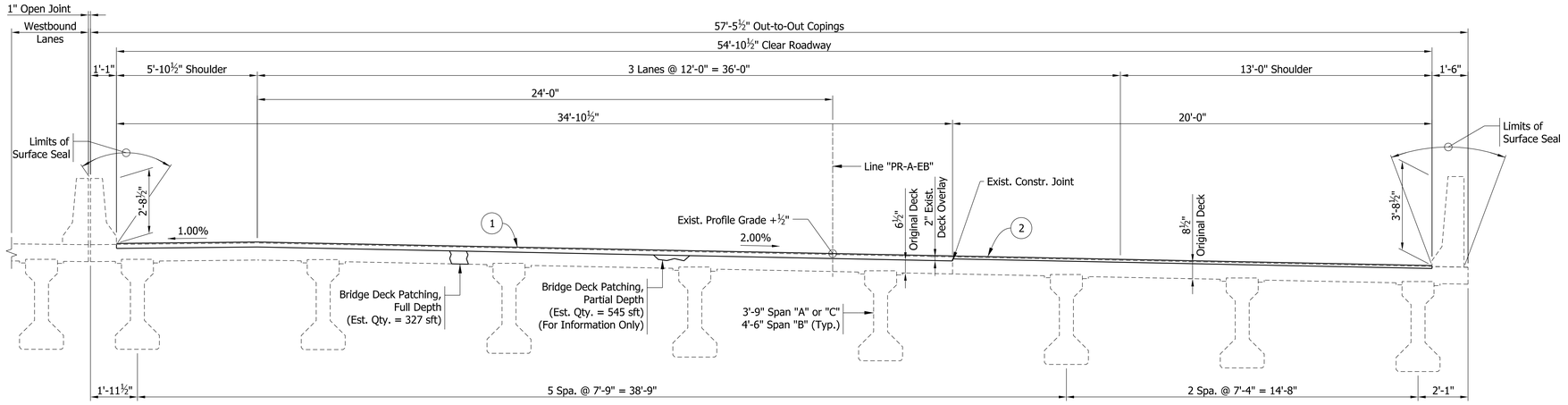
TYPICAL BRIDGE SECTION - WESTBOUND LANES

Scale: ⅜" = 1'-0"



OVERLAY DAM DETAIL

Scale: 1" = 1'-0"



TYPICAL BRIDGE SECTION - EASTBOUND LANES

Scale: ⅜" = 1'-0"

LEGEND

(1) 2" Bridge Deck Remove Exist. Conc. Overlay; Use Hydrodemolition to remove unsound concrete
(Total Bridge Deck Remove Exist. Conc. Overlay = 769 Sys)
Construct 2½" Bridge Deck Overlay (LMC-VE)
(Total Bridge Deck Overlay LMC-VE = 769 Sys)
Perform Longitudinal Grooving on Deck

(2) 1" Bridge Deck Remove Exist. Conc. Surface; Use Hydrodemolition to remove unsound concrete
(Total Bridge Deck Remove Exist. Conc. Surface = 993 Sys)
Construct 1½" Bridge Deck Overlay (LMC-VE)
(Total Bridge Deck Overlay LMC-VE = 993 Sys)
Perform Longitudinal Grooving on Deck

(3) 1¾" Bridge Deck Remove Exist. Conc. Overlay; ¼" Bridge Deck Remove Exist. Conc. Surface; Use Hydrodemolition to remove unsound concrete
(Total Bridge Deck Remove Exist. Conc. Overlay = 1,659 Sys)
(Total Bridge Deck Remove Exist. Conc. Surface = 1,659 Sys)
Construct 2" Bridge Deck Overlay (LMC-VE)
(Total Bridge Deck Overlay LMC-VE = 1,659 Sys)
Perform Longitudinal Grooving on Deck

(4) Type 1-A Construction Joint to be installed on Reinforced Concrete Bridge Approach overlay to perpetuate the existing longitudinal construction joint. (See Unique Special Provision)

NOTES

1. For Bridge Plan and Elevation, see Dwg. No. PLN-01.

PRESTRESSED CONCRETE I-BEAM BRIDGE
3 SPANS: 52'-11", 86'-11½", 52'-11"
54'-10½" CLEAR ROADWAY (EASTBOUND)
52'-1½" CLEAR ROADWAY (WESTBOUND)
SKEW: 41°55'00" RT.
I-64 EB/WB OVER CHERRY STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: KCH DRAWN: KCH
CHECKED: MJF CHECKED: MJF

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-122-04988 D
VERTICAL SCALE	DESIGNATION
AS NOTED	1702614
SURVEY BOOK	SHEETS PLN-02
ELECTRONIC	9 of 14
CONTRACT	PROJECT
R-42570	1900162

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PROJECT	DESIGNATION
1900162	2000326 & 2000323
CONTRACT	BRIDGE FILE
R-42570	I265-00-05513 JCEB & DRCB

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I265-00-05513 JCEB & DRCB	CONTINUOUS COMPOSITE STEEL BEAM BRIDGE	3 SPANS: 44'-0", 71'-6" & 44'-0" SKEW: 11°52'53" RT.	STATE STREET	℄ STRUCTURE Sta. 2024+46.87 "PR-L-EB" Sta. 108+12.99 "PR-LEH"

DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	I-64 ATL	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AEBL	STR. 1
1800405	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AWBL	STR. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road, Str.No. I64-120-10786	STR. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road, Str.No. I64-120-10742	STR. 4
1702617	Bridge Replacement on I-64 WB over I-64 EB to I-265 EB Ramp, Str.No. I64-121-10787	STR. 5A
2200016	New Bridge on I-64 EB over I-64 EB Ramp to I-265 EB, Str.No.I64-121-10743 EBL	STR. 5B
1800721	Bridge Replacement on I-64 WB over I-265 WB Ramp to I-64 EB, Str.No.I64-121-10788	STR. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp, Str.No.(I64)I265-00-10746	STR. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road, Str.No.I64-121-10744	STR. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road, Str. No. I64-121-04986 DWBL	STR. 9
1702614	Bridge Deck Overlay on I-64 over Cherry Street, Str.No. I64-122-04988 D	STR. 10
2000326 / 2000323	Bridge Deck Replacement & Widening on I-265 EB & Ramp Over State Street, Str.No. I265-00-05513 JCEB & DRCB	STR. 11
2000324	Bridge Deck Overlay on I-265 WB Over State Street, Str.No. I265-00-05513 DWBL	STR. 12
1700206	Bridge Deck Replacement I-64 EB over SR 62/ SR 64	STR. 13
1700205	Bridge Deck Replacement on I-64 WB over SR 62/ SR 64	STR. 14
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	STR. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	STR. 16
2002072	US 150 EB over Little Indian Creek, Str.No.150-22-05230 CEB	STR. 18
2002073	US 150 WB over Little Indian Creek, Str.No.150-22-05230 CWB	STR. 19
2200719	I-64 EB & WB over SR 62 / Spring Street, Str.No.I64-123-04689 C	STR. 20
2200718	I-64 WB Off-Ramp to Spring Street over I-64 WB On-Ramp from Spring Street, Str.No.I64-123-04688 D	STR. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	STR. 17
TBD	Valley View Creek (6 Small Structures and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

Note to Reviewer:
The list of Kinned Projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the Contract Package

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE REHABILITATION PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-265 EB AT: RP 0+97 I-265 EB; RP 0+94 RAMP C

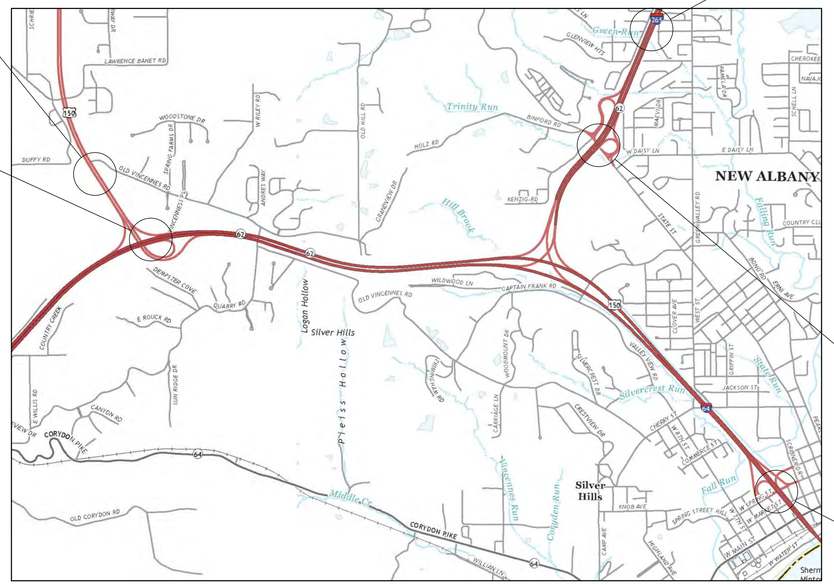
PROJECT NO. 2000326 & 2000323 P.E.
1900162 R/W
2000326 & 2000323 CONST.

Bridge Deck Replacement & Widening on I-265 EB & I-265 Ramp over State Street Located 0.84 Miles East of I-64 in
Sections 27 & 28, T-2-S, R-6-E, New Albany Township, Floyd County, Indiana

END CONSTRUCTION
Sta.2077+97.42 Line "PR-L-EB"

BEGIN CONSTRUCTION
Sta.1025+38.31 Line "PR-U-WB"

BEGIN PROJECT
Sta.1180+86.02 Line "PR-A-EB"



LOCATION MAP
SCALE: 1" = 2000'

STRUCTURE LOCATION
℄ Str.-Sta.2024+46.87 "PR-L-EB"
Sta.108+12.99 "PR-LEH"

END PROJECT
Sta.1393+50.00 Line "PR-A-EB"

TRAFFIC DATA		I-265	I-265 EB to STATE STREET RAMP	STATE STREET
A.A.D.T.	(2019)	63,860 V.P.D.	6,660 V.P.D.	27,200 V.P.D.
A.A.D.T.	(2046)	82,080 V.P.D.	7,680 V.P.D.	34,300 V.P.D.
D.H.V	(2046)	7,180 V.P.H.	630 V.P.H.	2,980 V.P.H.
DIRECTIONAL DISTRIBUTION		53 %	100 %	55 %
TRUCKS		8 % A.A.D.T.	2 % A.A.D.T.	2 % A.A.D.T.
		6 % D.H.V.	3 % D.H.V.	2 % D.H.V.
DESIGN DATA				
DESIGN SPEED		65 M.P.H.	SIGNED AT 25 M.P.H.	
PROJECT DESIGN CRITERIA		RECONSTRUCTION FREEWAY	RECONSTRUCTION FREEWAY	NO IMPROVEMENT
FUNCTIONAL CLASSIFICATION		INTERSTATE	RAMP	
RURAL/URBAN		URBAN	URBAN	
TERRAIN		ROLLING	ROLLING	
ACCESS CONTROL		FULL	FULL	

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°18'38.8" N LONGITUDE: 85°50'44.3" W

BRIDGE LENGTH: 0.031 MI.
ROADWAY LENGTH: * MI.
TOTAL LENGTH: * MI.
MAX. GRADE: -3.31 %

* SEE DES. NO. 1900162

HUC 12: 051401010904
HUC 14: 05140101150020

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
BLN: BEAM·LONGEST·NEFF
8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | WWW.B-L-N.COM

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I265-00-05513 JCEB & DRCB
DESIGNATION
2000326 & 2000323

DRAWING NO.	SHEETS
	1 of 18
CONTRACT	PROJECT
R-42570	1900162

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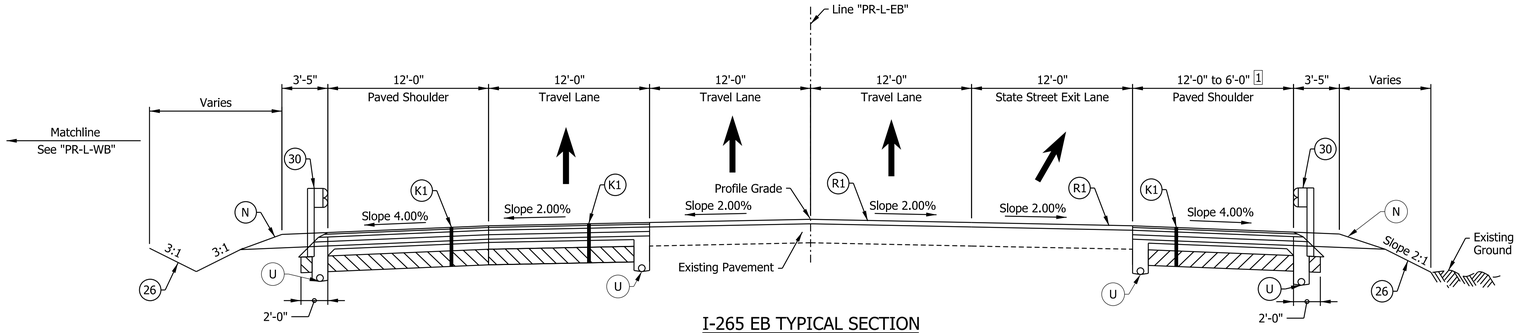
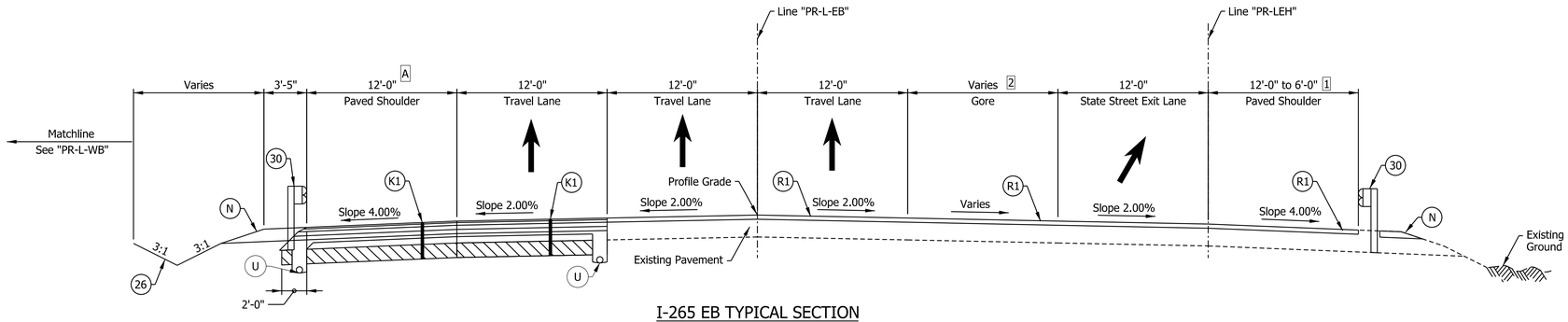


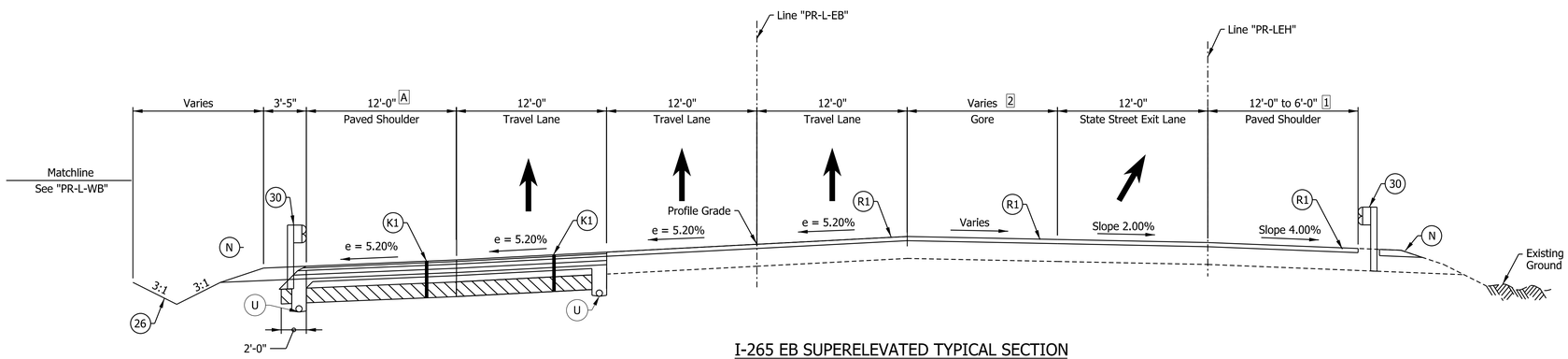
I-265 EB TYPICAL SECTION

STA. 2016+25.00 "PR-L-EB" TO STA. 2018+00.00 "PR-L-EB"



I-265 EB TYPICAL SECTION

STA. 2018+00.00 "PR-L-EB" TO STA. 2022+00.00 "PR-L-EB"



I-265 EB SUPERELEVATED TYPICAL SECTION

STA. 2022+00.00 "PR-L-EB" TO STA. 2034+26.00 "PR-L-EB"

Bridge paving exception Sta. 2023+45.94 to Sta. 2025+48.35

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

A Shoulder width shall increase to 12'-4" approaching and exiting the bridge over State Street

1 Shoulder width varies from 12'-0" at Sta. 2015+88 to 6'-0" at Sta. 2023+88

2 Gore width varies from 0'-0" at Sta. 2018+00 to 12'-0" at Sta. 2023+88

FOR INFORMATION ONLY

NOTE TO REVIEWER

Underdrain pipe locations and details to be provided in a future submittal

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: DFK DRAWN: DTC

CHECKED: ADR CHECKED: ADR

INDIANA DEPARTMENT OF TRANSPORTATION

I-265 EASTBOUND MAINLINE PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS TS-19
ELECTRONIC	3 of 18
CONTRACT	PROJECT
R-42570	1900162

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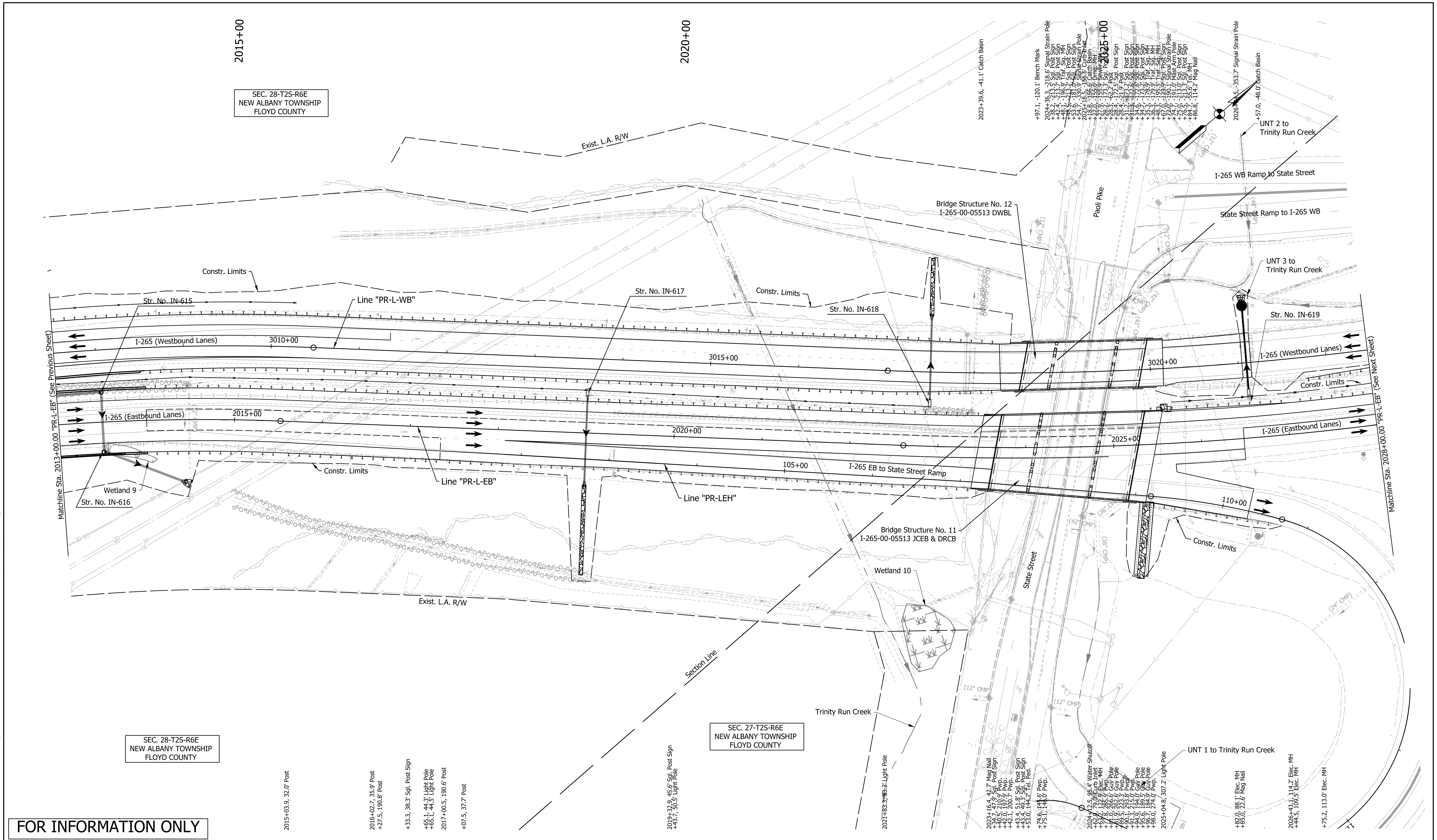

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER ____ DATE

DESIGNED: SGM | DRAWN: RJS
CHECKED: KRC | CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-L-EB"
STA. 2013+00 TO STA. 2028+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-20
ELECTRONIC	4 of 18
CONTRACT	PROJECT
R-42570	1900162

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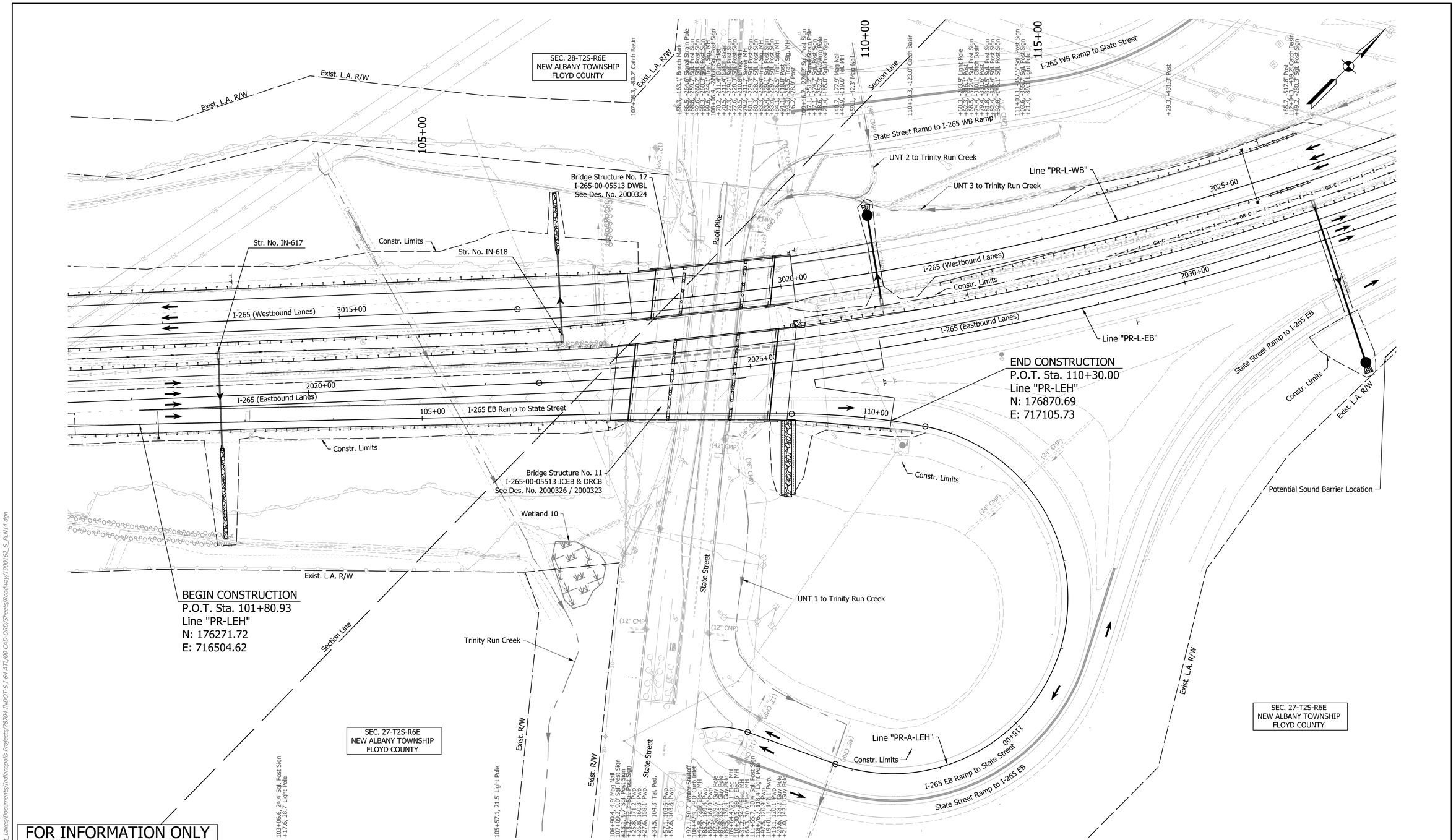

Note:
For Geometric information see Geometric Layout Sheets
GEO-01 to GEO-13.

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: SGM | DRAWN: RJS

CHECKED: KRC | CHECKED: KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-LEH"
STA. 101+80.93 TO STA. 110+30

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162

SURVEY BOOK	SHEETS PLN-49
ELECTRONIC	5 of 18
CONTRACT	PROJECT
R-42570	1900162

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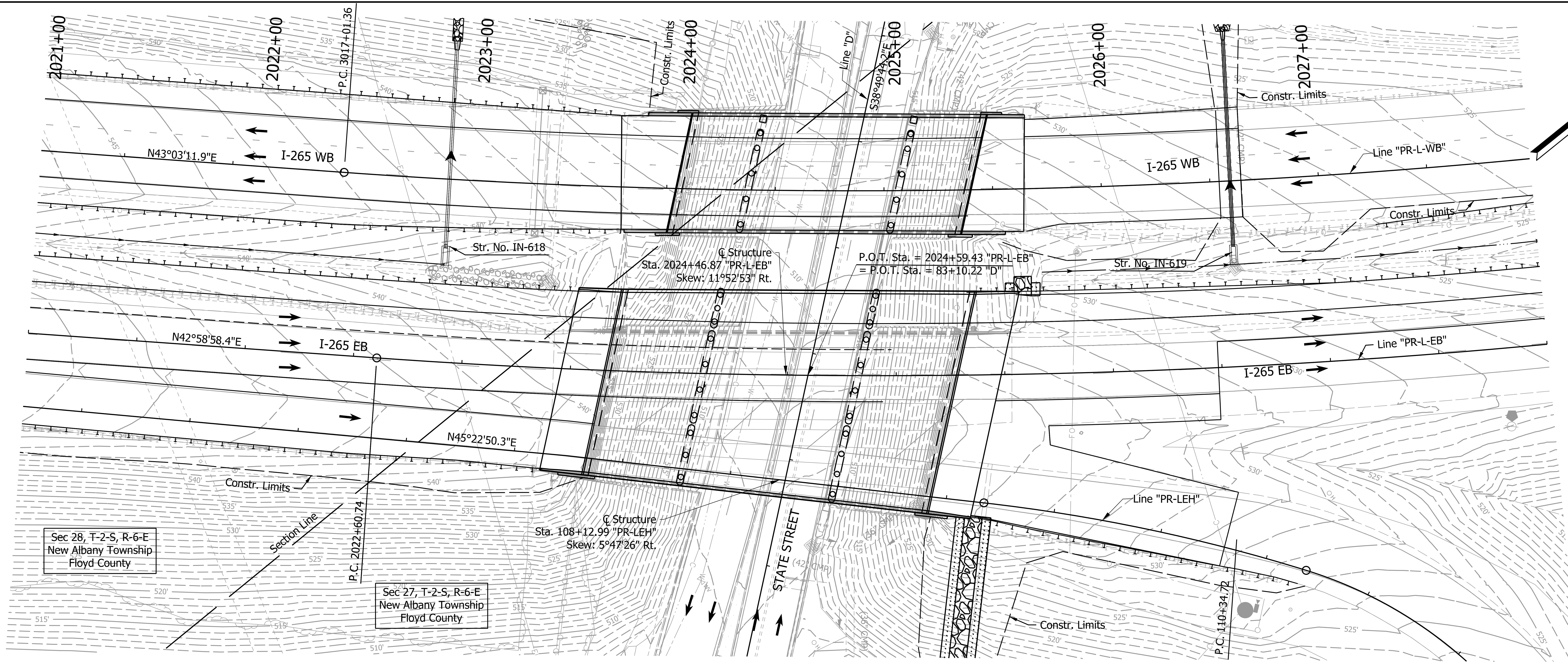


EXISTING STRUCTURE

Existing Structure (I265-00-0513 JCEB & DRCB)
is a Three-span (44'-0", 71'-6" & 44'-0")
Continues Composite Steel Beam Bridge with
a variable width Clear Roadway
(To Be Rehabilitated)

EARTHWORK TABULATION

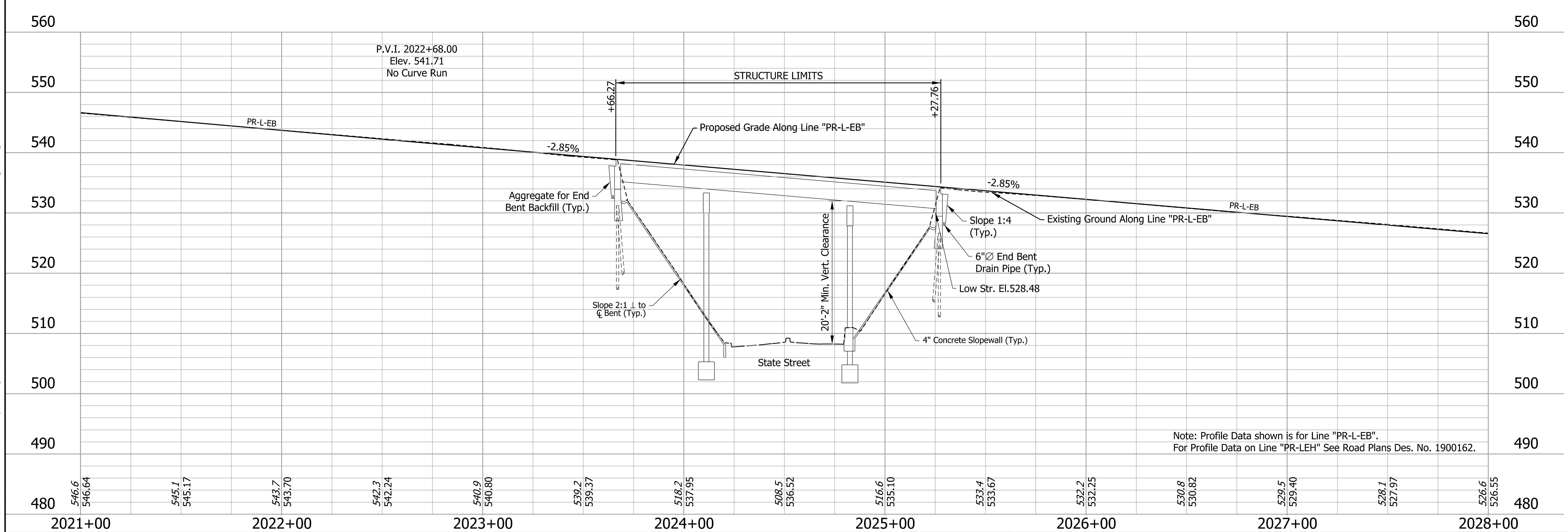
For Earthwork Summary, See Road Plans Des. No. 1900162

HORIZONTAL CURVE DATA FOR LINE "PR-L-EB"

CURVE 29
P.I. 2028+45.83 "PR-L-EB"
Δ = 20°17'19.69" LT
D = 01°45'07.79"
R = 3270'
T = 585.09'
L = 1157.93'
E = 51.93'
e = 5.20%

HORIZONTAL CURVE DATA FOR LINE "PR-LEH"

CURVE 34
P.I. 109+93.63 "PR-LEH"
Δ = 10°47'11.03" LT
D = 07°05'42.38"
R = 807.54'
T = 76.24'
L = 152.03'
E = 3.59'
e = Match Existing



NOTES:

For Reference Ties and Benchmarks,
See Road Plans Des. No. 1900162.
For Ditch Grades & Guardrail Limits,
See Plan & Profile Sheet of Road Plans, Des. No. 1900162.
For existing and proposed utilities, drainage, lighting, signing,
and ITS, see Des. No. 1900162.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
3 SPANS: 44'-0", 71'-6" & 44'-0"
VARIABLE WIDTH (84'-3⅞" MIN.) CLEAR ROADWAY
SKEW: 11°52'53" RT.
I-265 EB & I-265 RAMP OVER STATE STREET
FLOYD COUNTY

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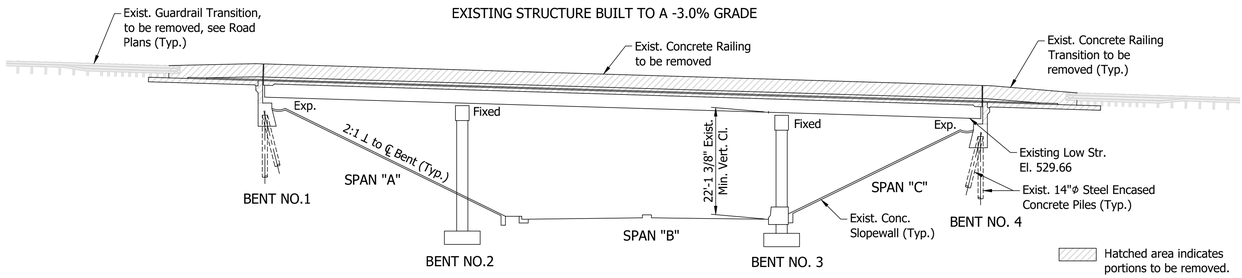
DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: SJM		DRAWN: JP	
CHECKED: TSW		CHECKED: SJM	

INDIANA
DEPARTMENT OF TRANSPORTATION

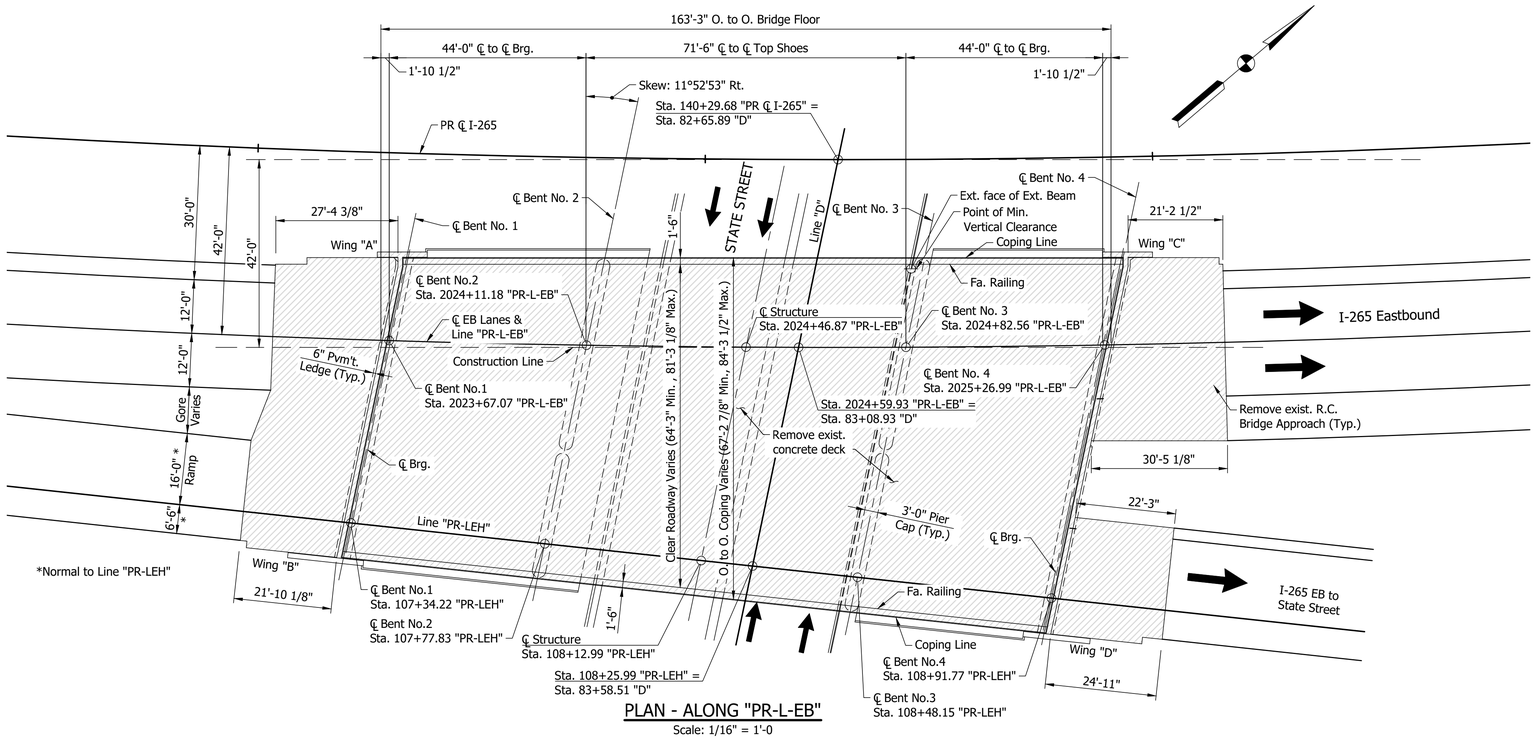
LAYOUT - LINE "PR-L-EB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	I256-00-05513 JCEB & DRCB
VERTICAL SCALE	DESIGNATION
1"=10'	2000326 & 2000323
DRAWING NUMBER	SHEETS
S1 of S6	9 of 18
CONTRACT	PROJECT
R-42570	1900162



ELEVATION - ALONG "PR-L-EB"

Scale: 1/16" = 1'-0



PLAN - ALONG "PR-L-EB"

Scale: 1/16" = 1'-0

Notes:

For Proposed Plan and Elevation, see Dwg. S3.

For Typical Section & General Notes, see Dwg. S4.

Hatched areas indicate portions to be removed.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
3 SPANS: 44'-0", 71'-6", & 44'-0"
CLEAR ROADWAY VARIES (64'-3" MIN.) SKEW: 11°52'53" RT.
I-265 EB AND I-265 RAMP OVER STATE STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SJM DRAWN: JF

CHECKED: TSW CHECKED: SJM

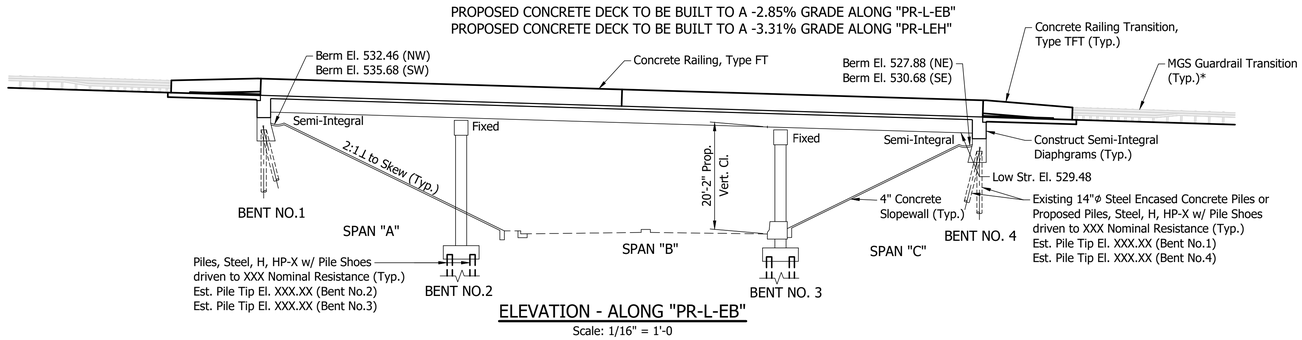
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
EXISTING

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I265-00-05513 JCEB & DRCB
VERTICAL SCALE	DESIGNATION
AS NOTED	2000326 & 2000323

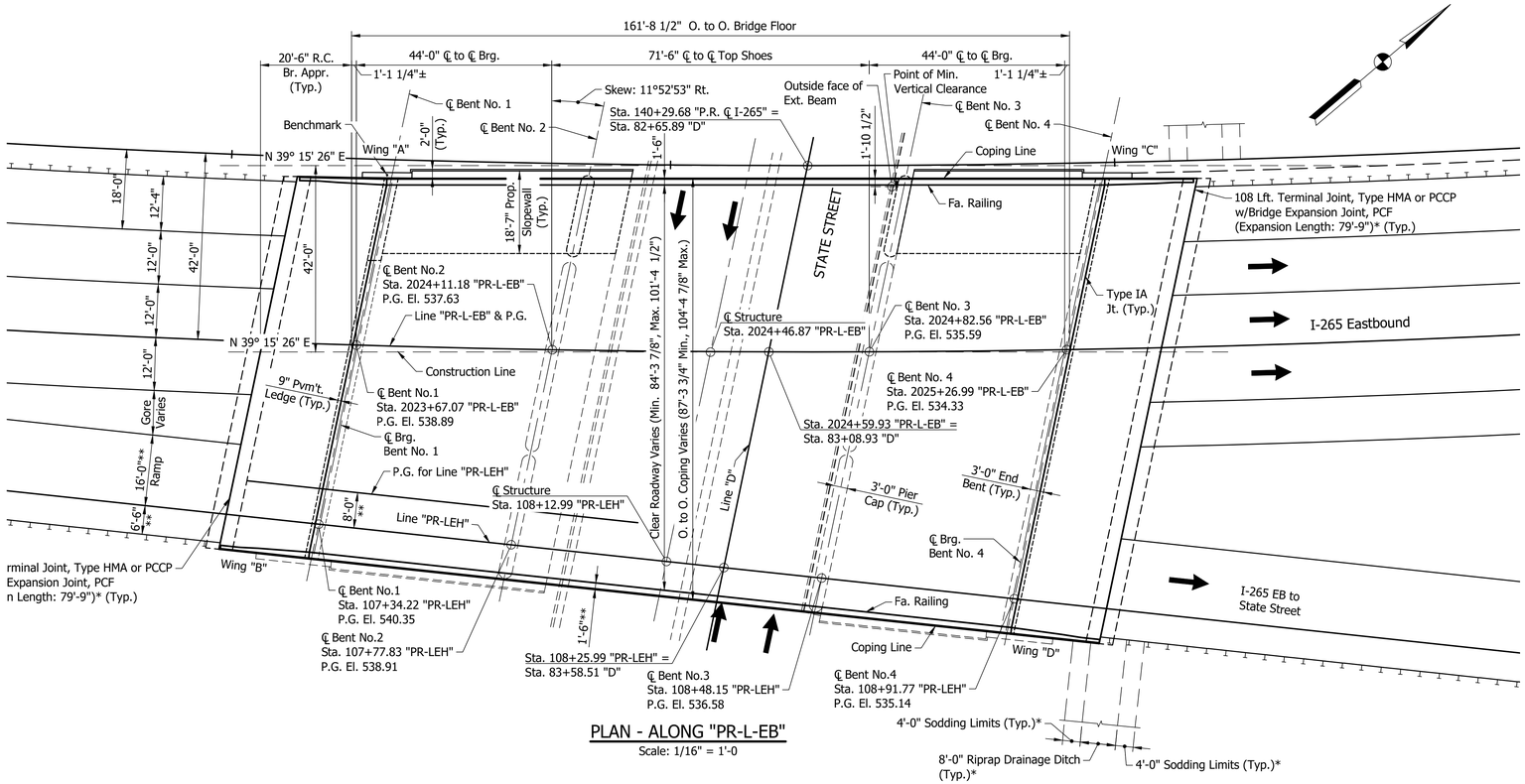
DRAWING NO.	SHEETS
S2 of S6	11 of 18
CONTRACT	PROJECT
R-42570	1900162

smihalow | p:\210004-i-64 atl\02bridge\04plans\215-structure 11 i-265 ebl over state street\str 11 - sht general plan.dwg | existing general plan | 12/5/2022 10:13:31 AM ||



ELEVATION - ALONG "PR-L-EB"

Scale: 1/16" = 1'-0



PLAN - ALONG "PR-L-EB"

Scale: 1/16" = 1'-0

Note to Reviewer:

- The Geotechnical Investigation is currently underway. Soil borings, Pile Size and Type will be added at a future submittal.

* Roadway Item
** Normal to Line "PR-LEH"

Notes:

For Type IA Joint, see Std.Dwg.No.E609-BRJT-01.
For Existing Plan and Elevation, see Dwg. S2.
For Typical Section & General Notes, see Dwg. S4.
For Stakeout Diagram, see Dwg. S6.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
3 SPANS: 44'-0", 71'-6", & 44'-0"
CLEAR ROADWAY VARIES (84'-3 7/8" MIN.) SKEW: 11°52'53" RT.
I-265 EB AND I-265 RAMP OVER STATE STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SJM DRAWN: JF
CHECKED: TSW CHECKED: SJM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PROPOSED

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I265-00-05513 JCEB & DRCB
VERTICAL SCALE	DESIGNATION
AS NOTED	2000326 & 2000323

DRAWING NO.	SHEETS
S3 of S6	12 of 18
CONTRACT	PROJECT
R-42570	1900162

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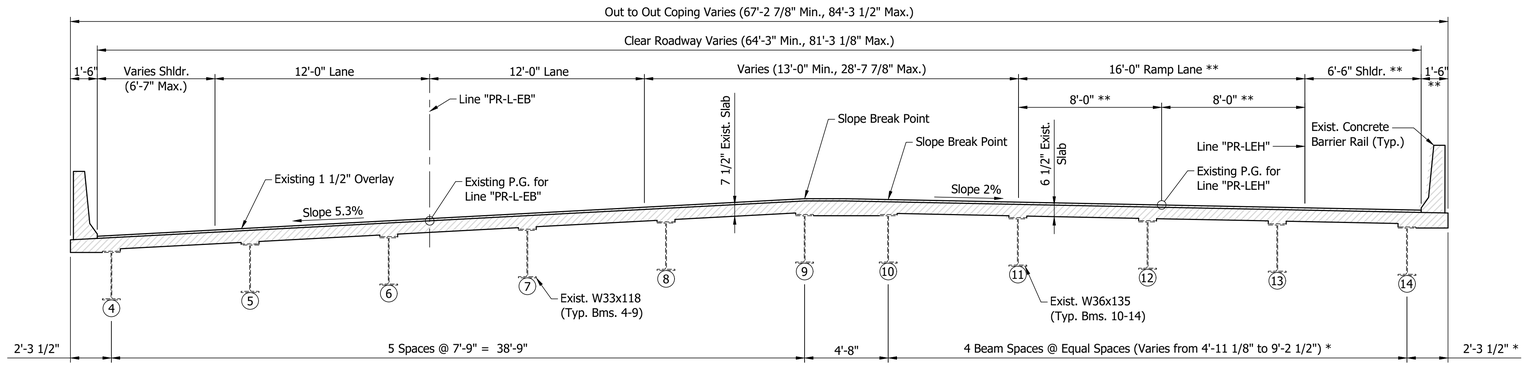
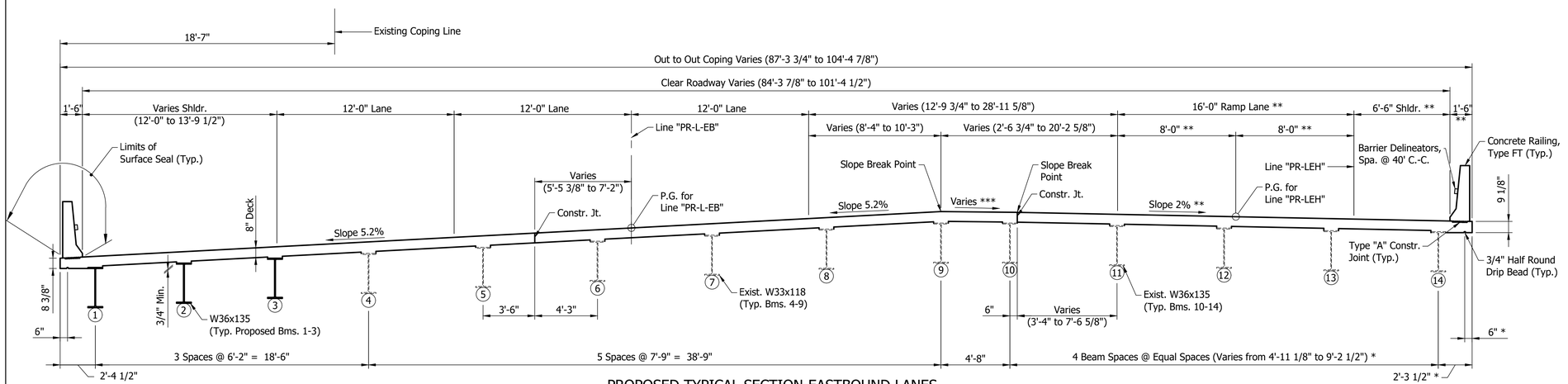


EXISTING TYPICAL SECTION-EASTBOUND LANES

Scale: 1/4" = 1'-0"

* Measured along ℄ Brg.
** Normal to Line "PR-LEH"



PROPOSED TYPICAL SECTION-EASTBOUND LANES

Scale: 1/4" = 1'-0"

GENERAL NOTES

Reinforcing bar covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, 3" in footings except for bottom bars which shall be 4" and 2" in all other parts, unless otherwise noted.

Reinforcing bars in deck, barrier, end bent diaphragms and end bent caps shall be epoxy coated, unless otherwise noted.

All faces of the concrete railing to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = XXXX Sft.)

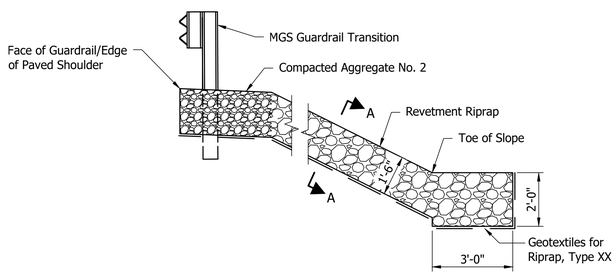
Where new work is to be fitted to the old work, the Contractor shall check and verify all dimensions, elevations and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new construction to the existing structure.

Portions of present structure to be removed.

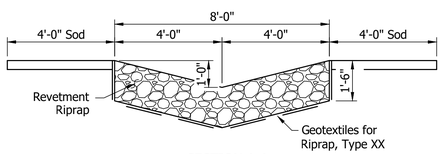
Data shown for existing bridge and subsequent geometry for proposed structure taken from original structure plans.

Plans for existing structure are on file in the Research and Documents Section at the Indiana Department of Transportation, as Bridge File No. I-265-0-5513 and are available upon request. The existing bridge bridge was built and alignment was established under Road Contract No. 8872 & 13754.

Epoxy resin adhesive shall be used where new concrete abuts existing concrete.



LONGITUDINAL SECTION



SECTION A-A

RIPRAP DRAINAGE TURNOUT DETAIL

Scale: 3/8"=1'-0"

Note to Reviewer:

- Seismic Data will be provided at a later submittal when the Geotechnical Investigation is available.
- Geotextile Type to be provided when Geotechnical Report is complete
- Surface Seal Quantity to be provided at Stage 3

DESIGN DATA

LIVE LOAD

Original Structure designed for HS20-44 loading in accordance with the 1969 AASHTO Specifications. In addition, the widened structure designed for HS20-44 loading in accordance with the 1977 AASHTO Specifications and all interim specifications.

Deck and proposed steel beams designed for HL-93 loading in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020.

Existing steel beams checked for HS20-44 loading with impact and distribution of loads, in accordance with 2002 AASHTO Standard Specifications.

DEAD LOAD

Actual weight plus 35 psf (composite) for future wearing surface and 15 psf (Non-Composite) for permanent metal deck forms.

FLOOR SLAB

Designed with 7 1/2" structural depth plus 1/2" sacrificial wearing surface

DESIGN STRENGTHS

CONCRETE:
- Class "A": f'c=3,500 psi
- Class "B": f'c=3,000 psi
- Class "C": f'c=4,000 psi

REINFORCING BARS:
- Grade 60: Fy=60,000 psi

STRUCTURAL STEEL:
- ASTM A709 Grade 50 Fy=50 ksi

CONSTRUCTION LOADING

The exterior beams have been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of exterior beam. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the beam bottom flange and web. The Contractor shall use blocking or other methods to ensure beam rotation does not occur prior to or during concrete placement on exterior beams where diaphragm spacing exceeds 20 ft. See Special Provisions and Dwg xx for additional notes on deck pours.

DECK FALSEWORK LOADS:
Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft. exterior walkway.

CONSTRUCTION LIVE LOAD:
Designed for 20 psf extending 2 ft. past the edge of coping and 75 plf vertical force applied at a distance of 6 inches outside the face of coping over a 30-ft. length of the deck centered with the finshing machine.

FINISHING-MACHINE LOAD:
4,500 lbs distributed over 10 ft. along the coping.

WIND LOAD:
Designed for 70 mph horizontal wind loading in according with AASHTO LRFD 3.8.1.

SEISMIC DATA

AASHTO Guide Design Specifications for LRFD Seismic Bridge Design
- Seismic Zone Category X
- S1 = X
- Site Class X
- Fv = X

Notes:
- Hatched area indicates portions to be removed.
- For Existing Plan & Elevation, see Dwg. S2.
- For Proposed Plan & Elevation, see Dwg. S3.
- For Type "A" Construction Joint, see Std.Dwg.No.E702-CJTA-01.
- * Measured along C Brg.
- ** Normal to Line "PR-LEH"
- *** Slope varies between Beams 9 and 10
- (X) Denotes Beam Number

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
3 SPANS: 44'-0", 71'-6", & 44'-0"
CLEAR ROADWAY VARIES (84'-3 7/8" MIN.) SKEW: 11°52'53" RT.
I-265 EB AND I-265 RAMP OVER STATE STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SJM DRAWN: JF

CHECKED: TSW CHECKED: SJM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I265-00-05513)CEB & DRCB
VERTICAL SCALE	DESIGNATION
AS NOTED	2000326 & 2000323

DRAWING NO.	SHEETS
S4 of S6	13 of 18
CONTRACT	PROJECT
R-42570	1900162

PROJECT	DESIGNATION
1900162	2000324
CONTRACT	BRIDGE FILE
R-42570	I265-00-05513 DWBL

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PREVENTIVE MAINTENANCE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-265 WB AT: RP 0+98

PROJECT NO. 2000324 P.E.
1900162 R/W
2000324 CONST.

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I265-00-05513 DWBL	CONTINUOUS COMPOSITE STEEL BEAM BRIDGE	3 SPANS @ 31'-6", 69'-3", 31'-6" SKEW: 11°52'53" RT	STATE STREET	℄ STRUCTURE Sta.3019+21.97 "PR-L-WB"

TRAFFIC DATA		I-265 MAINLINE	STATE STREET
A.A.D.T.	(2019)	63,860 V.P.D.	27,200 V.P.D.
A.A.D.T.	(2046)	82,080 V.P.D.	34,300 V.P.D.
D.H.V	(2046)	7,180 V.P.H.	2,980 V.P.H.
DIRECTIONAL DISTRIBUTION		53 %	55 %
TRUCKS		8 % A.A.D.T.	2 % A.A.D.T.
		6 % D.H.V.	2 % D.H.V.
DESIGN DATA			
DESIGN SPEED		65 M.P.H.	
PROJECT DESIGN CRITERIA		4R (FREEWAY)	NO IMPROVEMENT
FUNCTIONAL CLASSIFICATION		URBAN INTERSTATE	
RURAL/URBAN		URBAN	
TERRAIN		ROLLING	
ACCESS CONTROL		FULL	

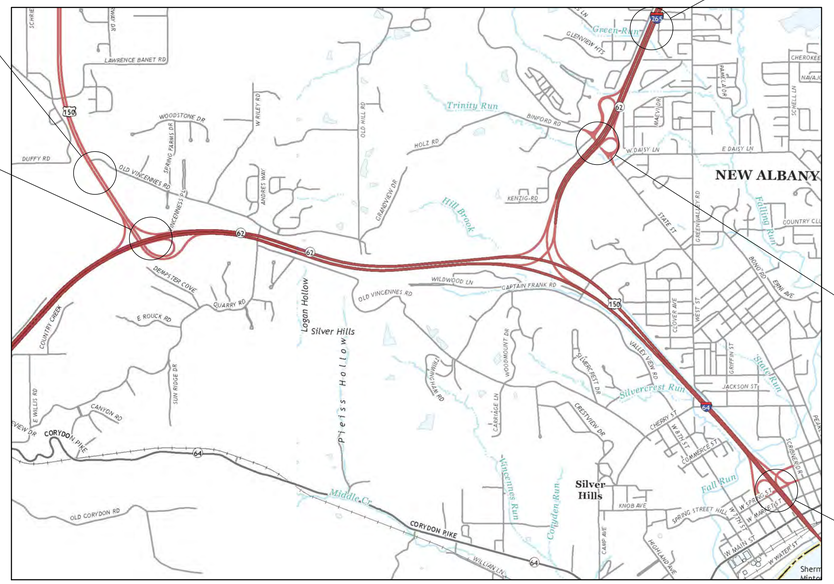
DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	I-64 ATL	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AEBL	STR. 1
1800405	Bridge Painting on US 150 EB over I-64, Str.No. 150-22-04983 AWBL	STR. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road, Str.No. I64-120-10786	STR. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road, Str.No. I64-120-10742	STR. 4
1702617	Bridge Replacement on I-64 WB over I-64 EB to I-265 EB Ramp, Str.No. I64-121-10787	STR. 5A
2200016	New Bridge on I-64 EB over I-64 EB Ramp to I-265 EB, Str.No.I64-121-10743 EBL	STR. 5B
1800721	Bridge Replacement on I-64 WB over I-265 WB Ramp to I-64 EB, Str.No.I64-121-10788	STR. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp, Str.No.(I64)I265-00-10746	STR. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road, Str.No.I64-121-10744	STR. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road, Str. No. I64-121-04986 DWBL	STR. 9
1702614	Bridge Deck Overlay on I-64 over Cherry Street, Str.No. I64-122-04988 D	STR. 10
2000326 / 2000323	Bridge Deck Replacement & Widening on I-265 EB & Ramp Over State Street, Str.No. I265-00-05513 JCEB & DRCB	STR. 11
2000324	Bridge Deck Overlay on I-265 WB Over State Street, Str.No. I265-00-05513 DWBL	STR. 12
1700206	Bridge Deck Replacement I-64 EB over SR 62/ SR 64	STR. 13
1700205	Bridge Deck Replacement on I-64 WB over SR 62/ SR 64	STR. 14
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	STR. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	STR. 16
2002072	US 150 EB over Little Indian Creek, Str.No.150-22-05230 CEB	STR. 18
2002073	US 150 WB over Little Indian Creek, Str.No.150-22-05230 CWB	STR. 19
2200719	I-64 EB & WB over SR 62 / Spring Street, Str.No.I64-123-04689 C	STR. 20
2200718	I-64 WB Off-Ramp to Spring Street over I-64 WB On-Ramp from Spring Street, Str.No.I64-123-04688 D	STR. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	STR. 17
TBD	Valley View Creek (6 Small Structures and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

Bridge Deck Overlay on I-265 WB over State Street
Located 0.84 Miles East of I-64 in Sections 27 & 28, T-2-S, R-6-E,
New Albany Township, Floyd County, Indiana

END CONSTRUCTION
Sta.2077+97.42 Line "PR-L-EB"

BEGIN CONSTRUCTION
Sta.1025+38.31 Line "PR-U-WB"

BEGIN PROJECT
Sta.1180+86.02 Line "PR-A-EB"



LOCATION MAP
SCALE: 1" = 2000'

STRUCTURE LOCATION
℄ Str.-Sta.3019+21.97 Line "PR-L-WB"

END PROJECT
Sta.1393+50.00 Line "PR-A-EB"

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°18'39.71" N LONGITUDE: 85°50'45.17" W

BRIDGE LENGTH:	0.025	MI.
ROADWAY LENGTH:	*	MI.
TOTAL LENGTH:	*	MI.
MAX. GRADE:	3.00	%

* SEE DES. NO. 1900162

HUC 12: 051401010904
HUC 14: 05140101150020

Note to Reviewer:
The list of Kinned Projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the Contract Package

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
BLN: BEAM·LONGEST·NEFF
8320 CRAIG STREET | INDIANAPOLIS, IN 46250
317.849.5832 | f: 317.841.4280 | WWW.B-L-N.COM

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I265-00-05513 DWBL
DESIGNATION
2000324

DRAWING NO.	SHEETS
	1 of 13
CONTRACT	PROJECT
R-42570	1900162

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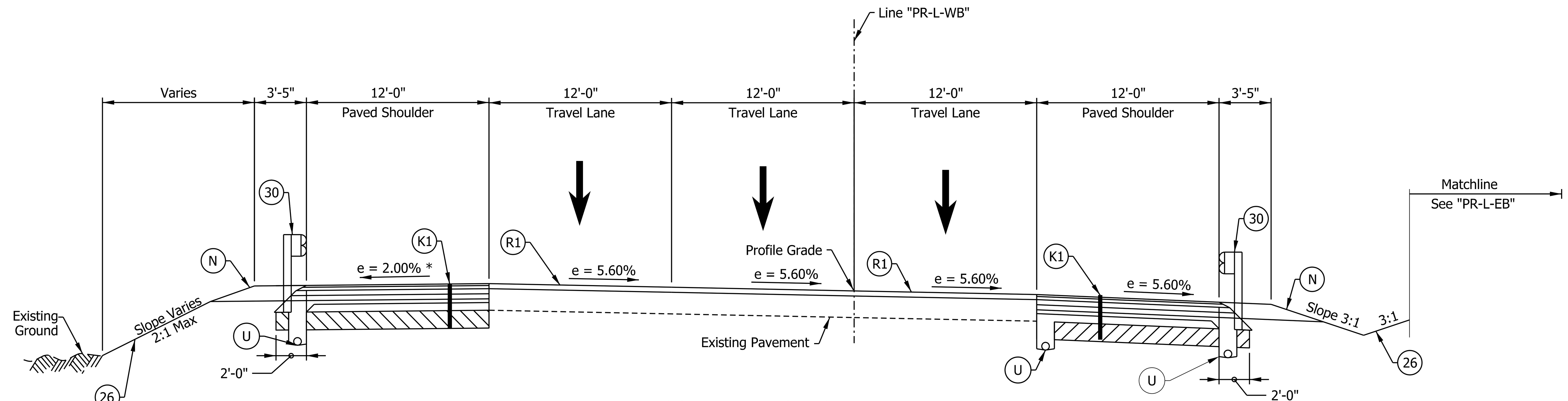
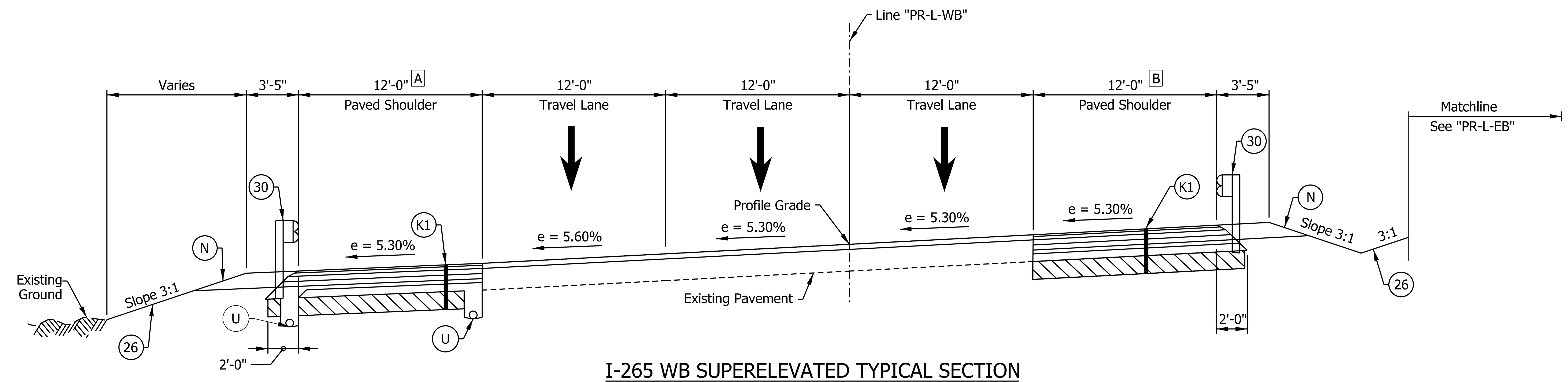


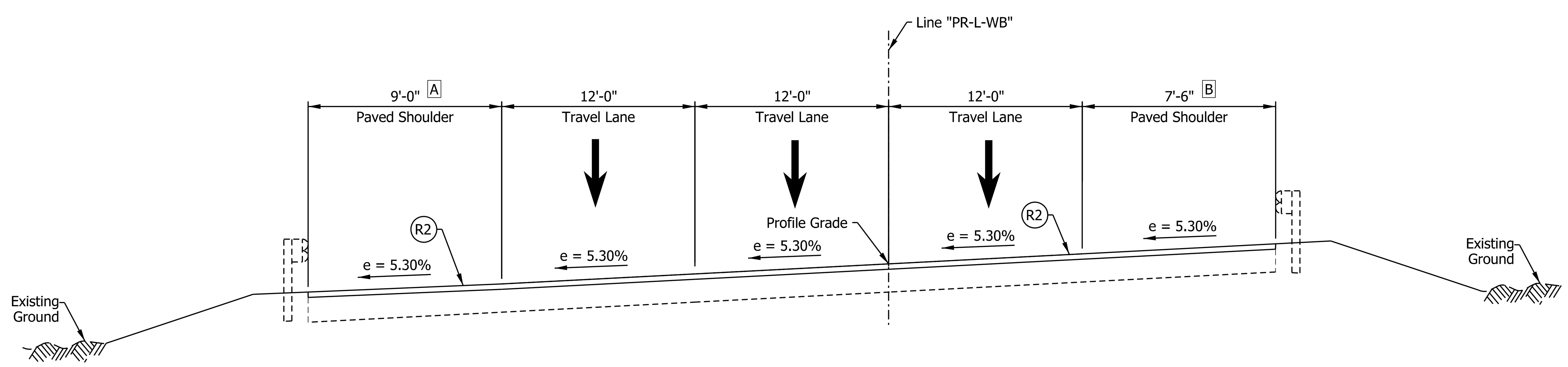
I-265 WB TYPICAL SUPERELEVATED SECTION

STA. 3011+37.00 "PR-L-WB" TO STA. 3014+00.00 "PR-L-WB"



I-265 WB SUPERELEVATED TYPICAL SECTION

STA. 3018+00.00 "PR-L-WB" TO STA. 3019+89.62 "PR-L-WB"
Bridge Paving Exception Sta. 3018+29.09 to Sta. 3020+14.43



I-265 WB SUPERELEVATED TYPICAL SECTION

STA. 3019+89.62 "PR-L-WB" TO STA. 3021+14.43 "PR-L-WB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

* Max rollover between shoulder and travel lane not to exceed 8%.

A Shoulder width varies from 12'-0" at Sta. 3017+00 to 9'-0" at Sta. 3018+28
Shoulder width varies from 8'-0" at Sta. 3020+15 to 9'-0" at Sta. 3021+14.43

B Shoulder width varies from 12'-0" at Sta. 3017+00 to 7'-6" at Sta. 3018+28
Shoulder width varies from 7'-6" at Sta. 3020+15 to 4'-6" at Sta. 3021+14.43

FOR INFORMATION ONLY

NOTE TO REVIEWER

Underdrain pipe locations and details to be provided in a future submittal

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER ______ DATE

DESIGNED: DFK | DRAWN: DTC
CHECKED: ADR | CHECKED: ADR

INDIANA DEPARTMENT OF TRANSPORTATION

I-265 WESTBOUND MAINLINE PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS TS-22
ELECTRONIC	3 of 13
CONTRACT	PROJECT
R-42570	1900162

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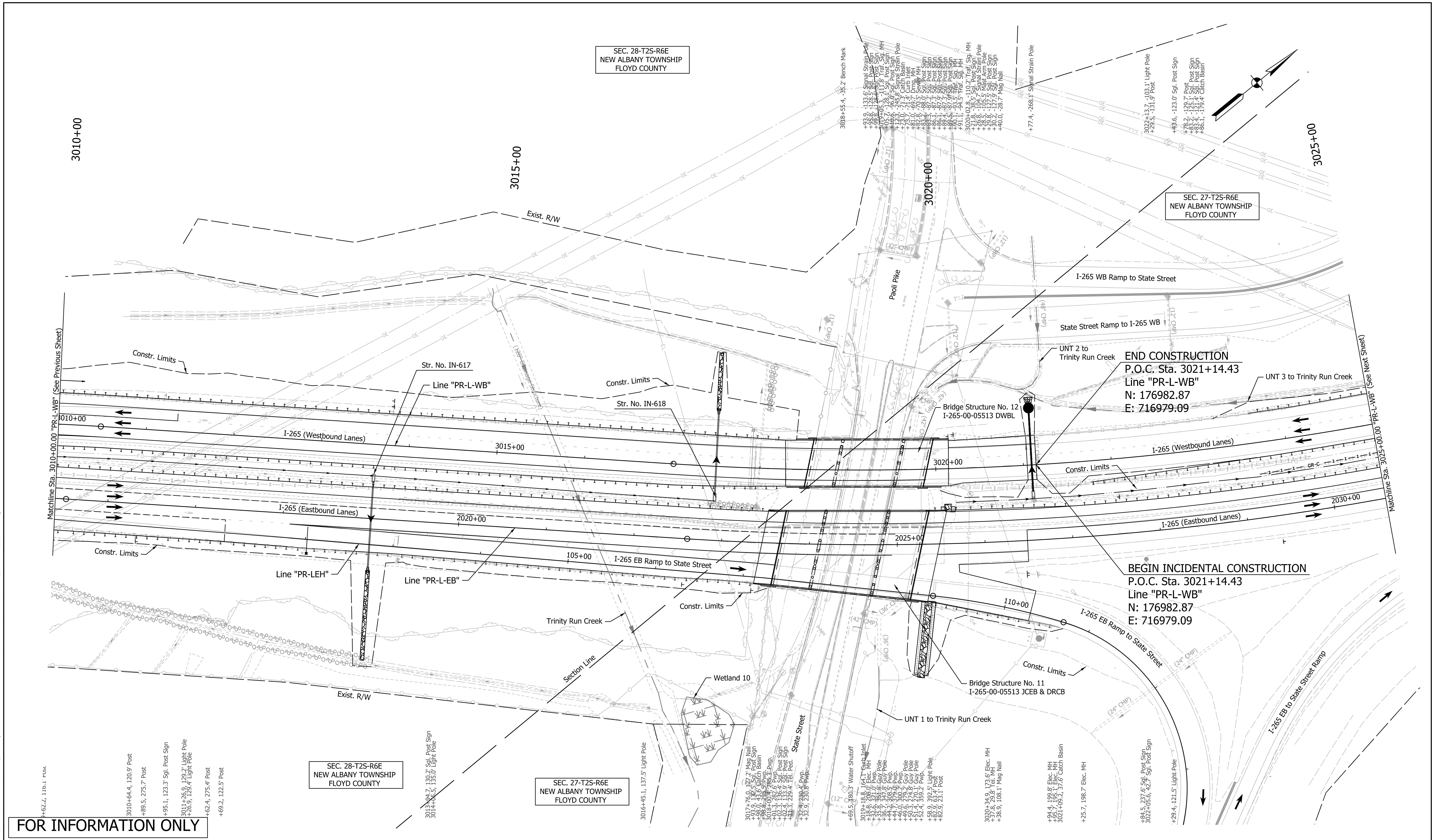

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE
DESIGNED: SGM	DRAWN: RJS		
CHECKED: KRC	CHECKED: KRC		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-L-WB"
STA. 3010+00 TO STA. 3025+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900162
SURVEY BOOK	SHEETS PLN-26
ELECTRONIC	4 of 13
CONTRACT	PROJECT
R-42570	1900162

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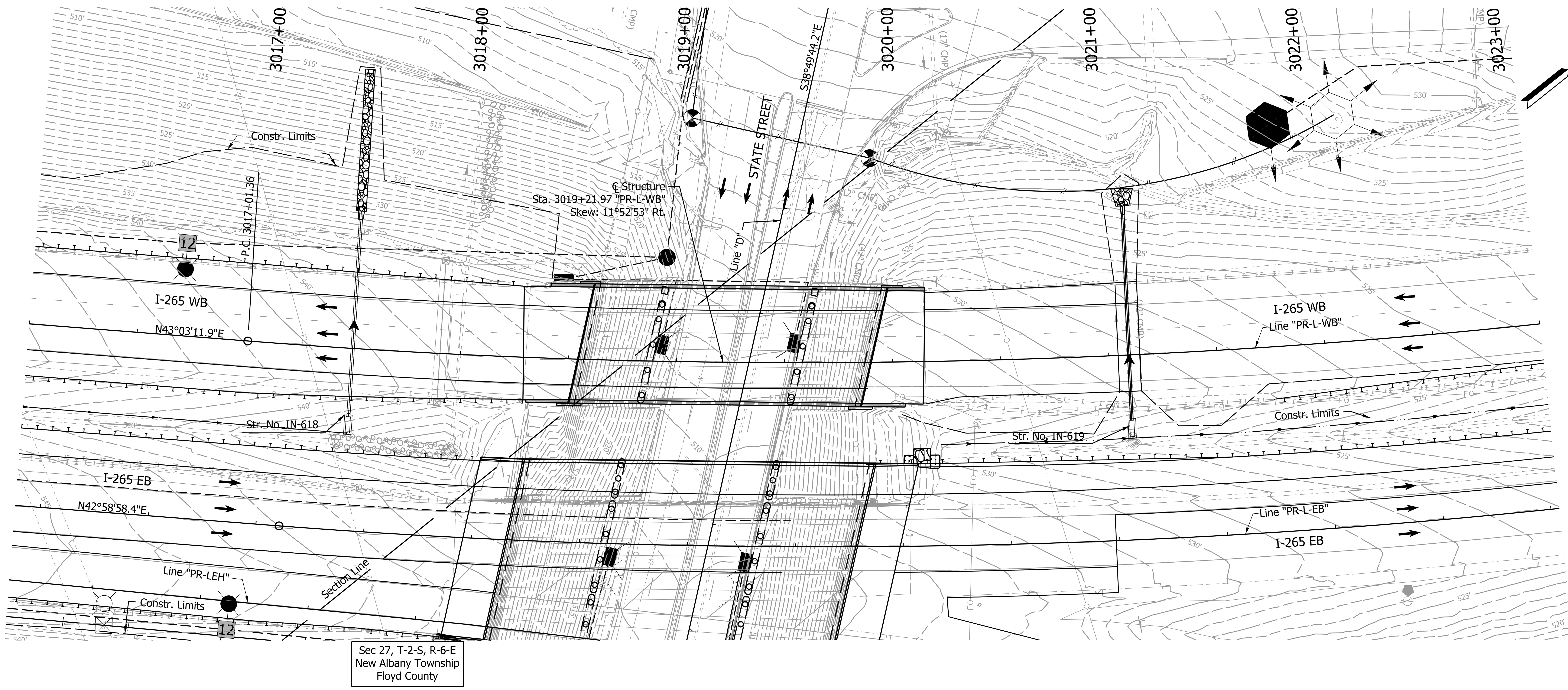


EXISTING STRUCTURE

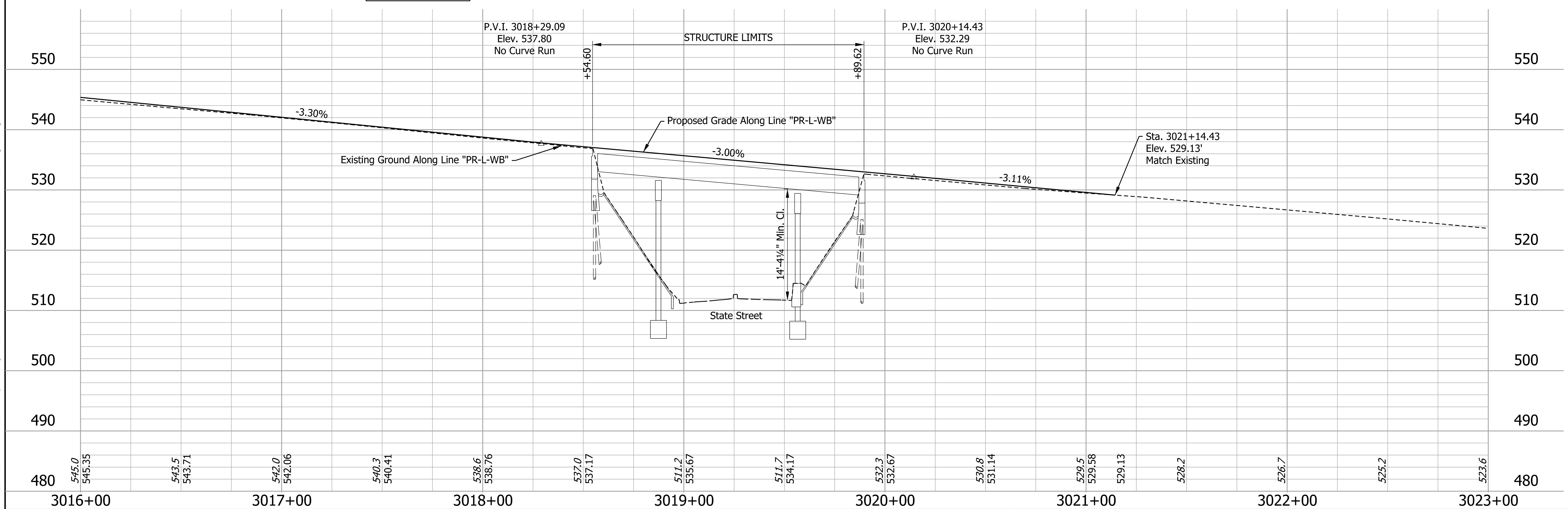
Existing Structure (I265-00-05514 CWBL) is a Three-span (31'-6", 69'-3" & 31'-6") Continuous Composite Steel Beam Bridge With A 52'-3¼" Clear Roadway (To Be Rehabilitated)

EARTHWORK TABULATION

For Earthwork Summary, See Road Plans Des. No. 1900162

HORIZONTAL CURVE DATA FOR LINE "PR-L-WB"

CURVE 32
P.I. 3022+88.53 "PR-L-WB"
Δ = 20°21'41.37" LT
D = 01°45'08.50"
R = 3269.63'
T = 587.17'
L = 1161.95'
E = 52.30'
e = 5.30%



NOTES:

For Reference Ties and Benchmarks, See Road Plans Des. No. 1900162.
For Ditch Grades & Guardrail Limits, See Plan & Profile Sheet of Road Plans, Des. No. 1900162.
For existing and proposed utilities, drainage, lighting, signing, and ITS, see Des. No. 1900162.

CONTINUOUS STEEL BEAM BRIDGE
3 SPANS: 31'-6", 69'-3" & 31'-6"
52'-3¼" CLEAR ROADWAY SKEW: 11°52'53" RT.
I-265 WB OVER STATE STREET,
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE
DESIGNED: NDM		DRAWN: JP	
CHECKED: TSW		CHECKED: NDM	

INDIANA
DEPARTMENT OF TRANSPORTATION

LAYOUT - LINE "PR-L-WB"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	I265-00-05514 DWBL
VERTICAL SCALE	DESIGNATION
1"=10'	2000324
DRAWING NUMBER	SHEETS
S1 of S5	7 of 13
CONTRACT	PROJECT
R-42570	1900162

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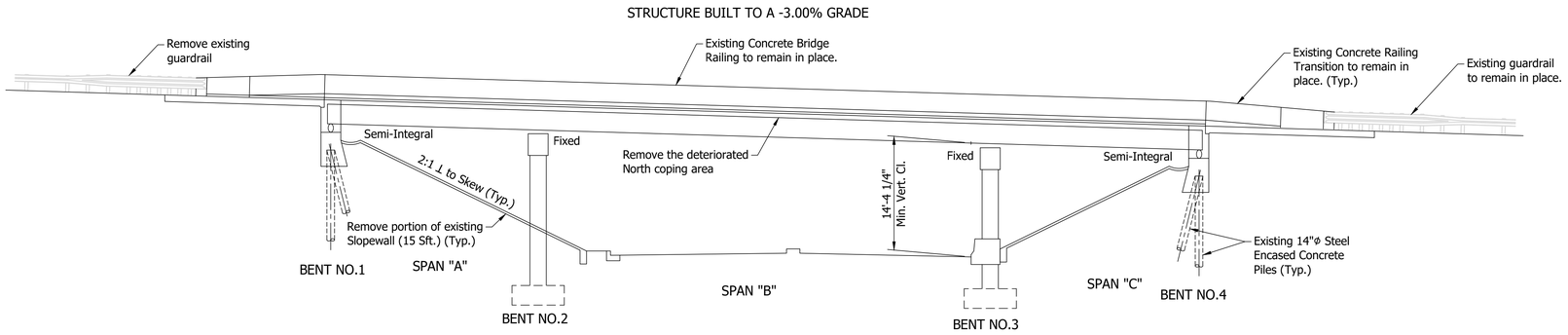
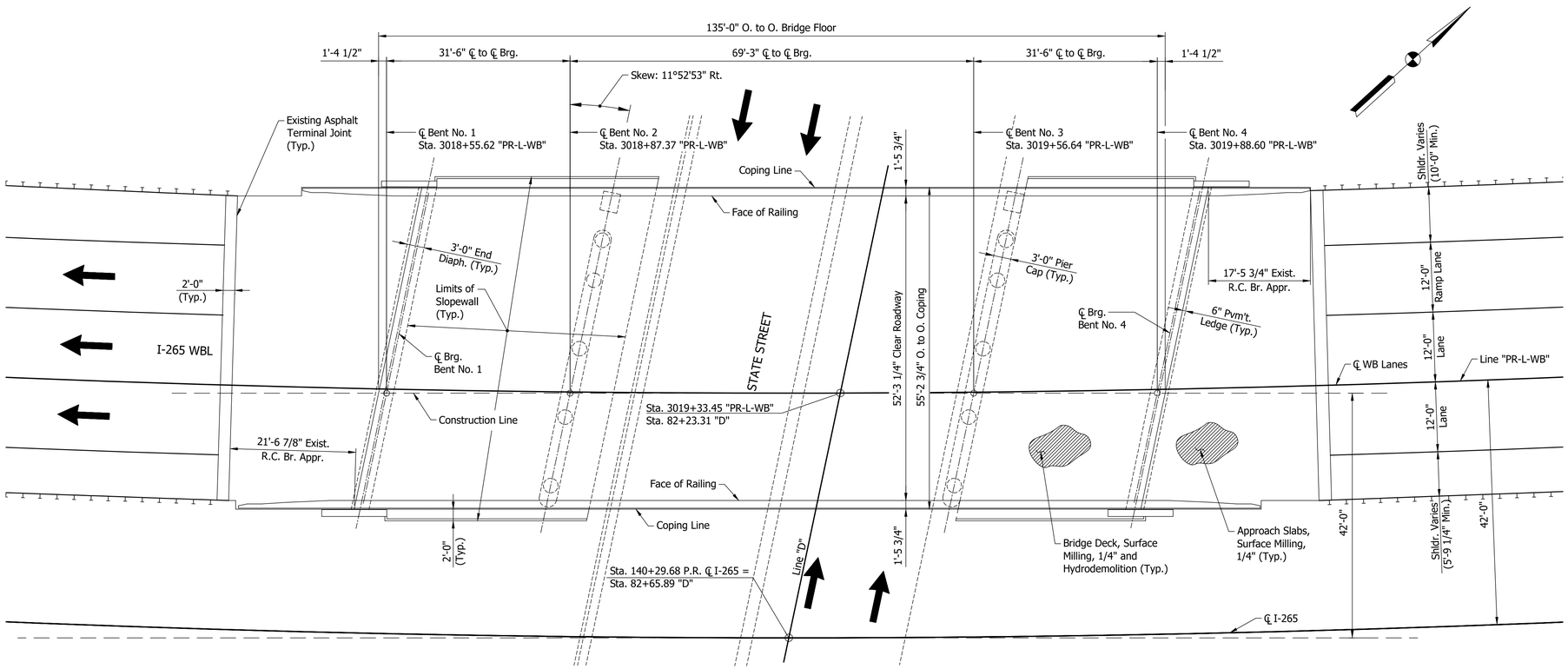


ELEVATION
Scale: 3/32" = 1'-0



PLAN
Scale: 3/32" = 1'-0

Notes:
For Typical Section & General Notes, see Dwg. S4.
For Line "D" information, see Original Plans.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
3 SPANS: 31'-6", 69'-3", & 31'-6"
52'-3 1/4" CLEAR ROADWAY SKEW: 11°52'53" RT.
I-265 WB OVER STATE STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: NDM DRAWN: JF

CHECKED: TSW CHECKED: NDM

INDIANA
DEPARTMENT OF TRANSPORTATION

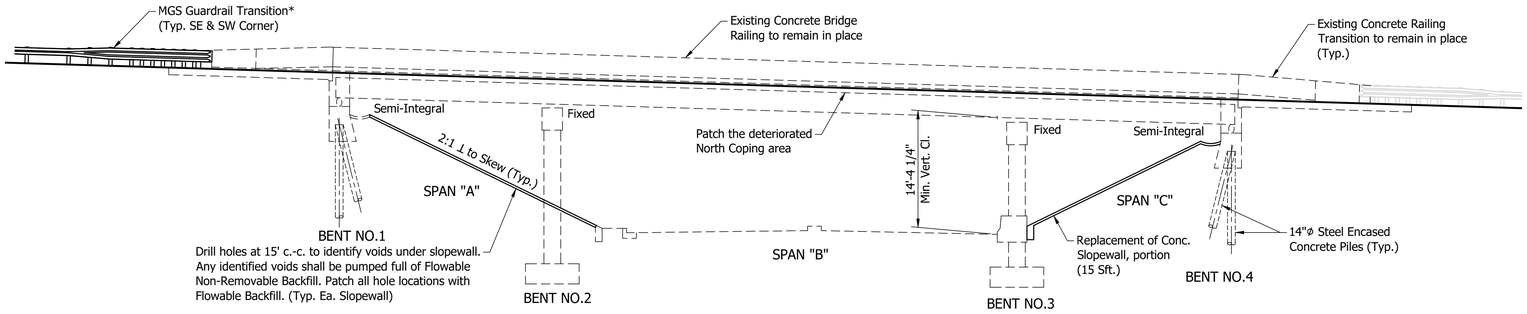
GENERAL PLAN
EXISTING

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I265-00-05513 DWBL
VERTICAL SCALE	DESIGNATION
AS NOTED	2000324

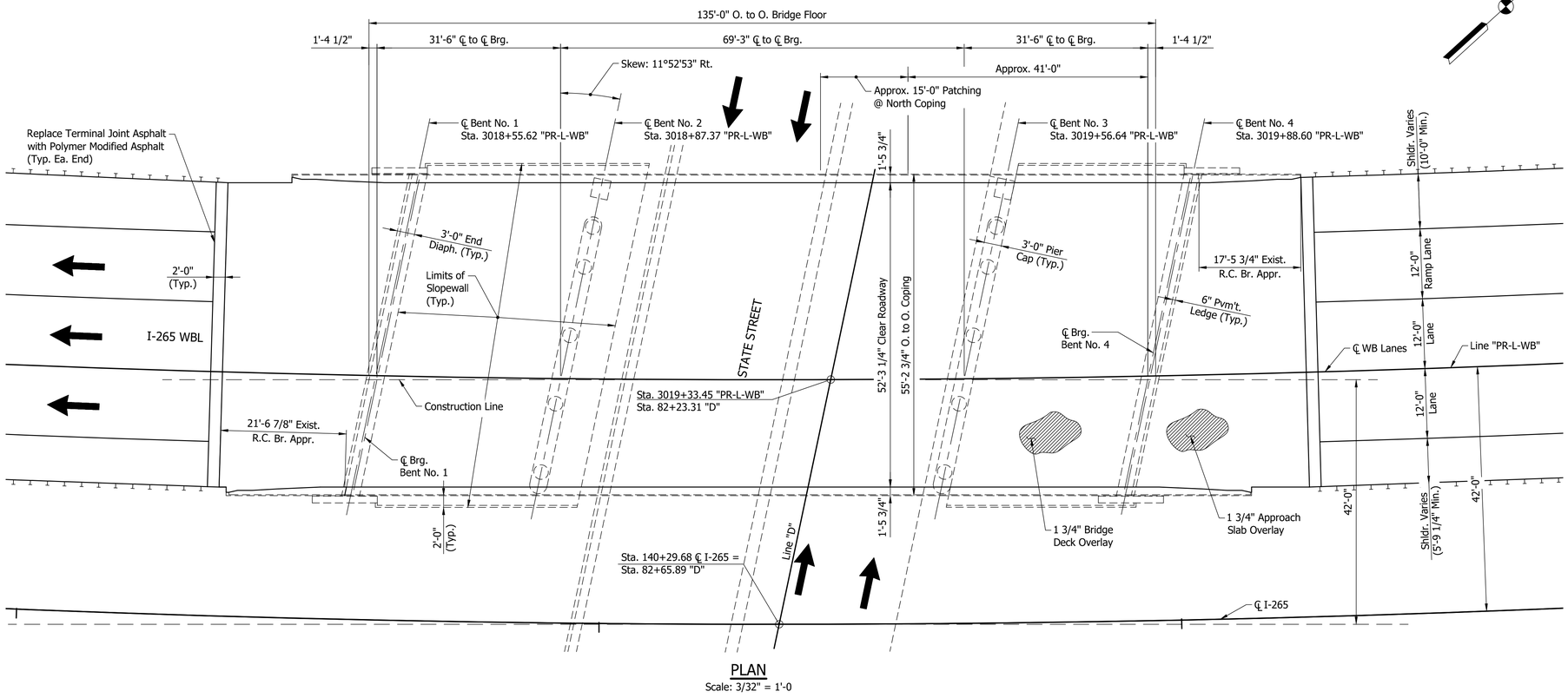
DRAWING NO.	SHEETS
S2 of S5	8 of 13
CONTRACT	PROJECT
R-42570	1900162

smihalow | p:\210004-i-64 atl\02bridge\04plans\216-structure 12 i-265 wbl over state street\str 12 - sht general plan.dwg | existing general plan | 12/5/2022 10:15:31 AM ||

STRUCTURE BUILT TO A -3.00% GRADE



ELEVATION
Scale: 3/32" = 1'-0



PLAN
Scale: 3/32" = 1'-0

Notes:
For Typical Section & General Notes, see Dwg. S4.
For pavement transitions on roadway approaches, see Road Plans Des. No. 1900162
* Roadway Item

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
3 SPANS: 31'-6", 69'-3", & 31'-6"
52'-3 1/4" CLEAR ROADWAY SKEW: 11°52'53" RT.
I-265 WB OVER STATE STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

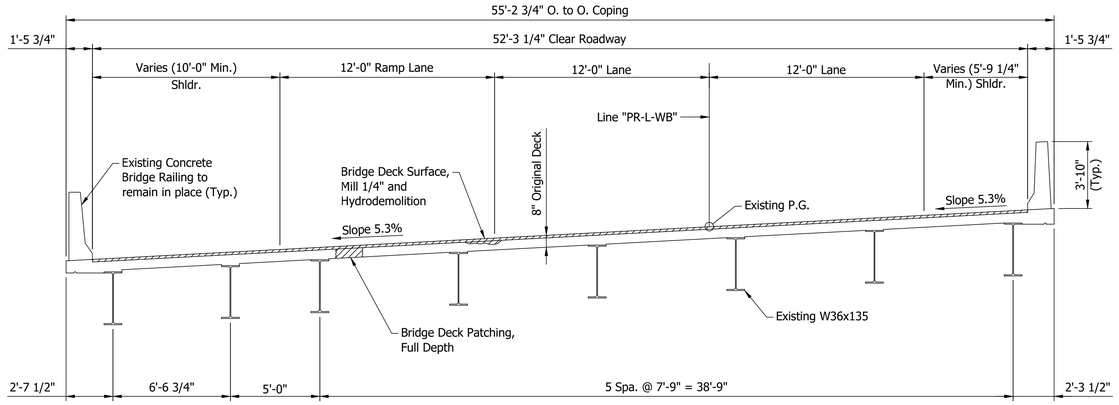
DESIGNED: NDM DRAWN: JF
CHECKED: TSW CHECKED: NDM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PROPOSED

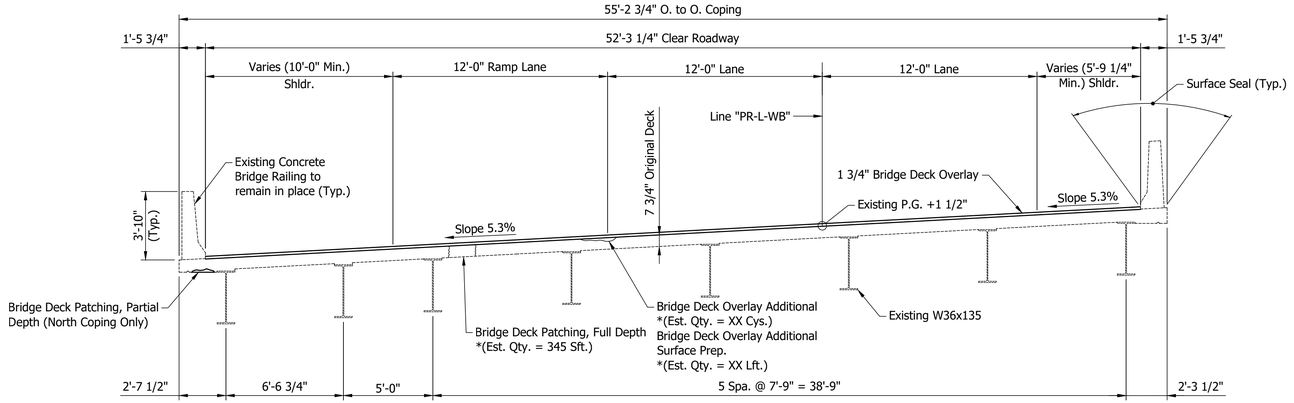
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I265-00-05513 DWBL
VERTICAL SCALE	DESIGNATION
AS NOTED	2000324
DRAWING NO.	SHEETS
S3 of S5	9 of 13
CONTRACT	PROJECT
R-42570	1900162

smihalow | p:\210004-i-64 atl\02bridge\04plans\216-structure 12 i-265 wbl over state street\str 12 - sht general plan.dwg | proposed general plan | 12/5/2022 10:15:32 AM ||



TYPICAL SECTION-EXISTING WESTBOUND LANES

Scale: 1/4" = 1'-0"



TYPICAL SECTION-PROPOSED WESTBOUND LANES

Scale: 1/4" = 1'-0"

GENERAL NOTES

Reinforcing bar covering shall be 2" in top and 1" minimum in the bottom of the floor slab, and 2" in all other parts, unless noted otherwise.

Where new work is to be fitted to the old work, the Contractor shall check and verify all dimensions, elevations and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new construction to the existing structure.

All exposed faces of concrete bridge and transition railings to be sealed in accordance with Article 702.21 of the Specifications. (Estimated Quantity = X Sft.)

Plans for existing structure are on file in the Research and Documents Section at the Indiana Department of Transportation, as Bridge File No. I-265-0-5513, I-265-0-5513A, I-265-0-5513B and I-265-0-5513C and are available upon request.

Data shown for the existing bridge and subsequent geometry for the proposed structure was taken from the original structure and rehabilitation plans.

DESIGN DATA

LIVE LOAD

Designed for HS-20-44 loading in accordance with the 1996 AASHTO Bridge Design Specifications.

MATERIAL NOTES

BRIDGE DECK OVERLAY

1 3/4" Latex Modified Portland Cement Concrete or
1 3/4" Silica Fume Modified Structural Concrete

Note to Reviewer:
- Surface Seal Quantity to be provided at Stage 3

Note:
For Plan & Elevation, see Dwgs. S2 & S3.
* For Information Only

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
3 SPANS: 31'-6", 69'-3", & 31'-6"
52'-3 1/4" CLEAR ROADWAY SKEW: 11°52'53" RT.
I-265 WB OVER STATE STREET
FLOYD COUNTY

DRAFT NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: NDM DRAWN: JF

CHECKED: TSW CHECKED: NDM

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I265-00-05513 DWBL
VERTICAL SCALE	DESIGNATION
AS NOTED	2000324

DRAWING NO.	SHEETS
S4 of S5	10 of 13
CONTRACT	PROJECT
R-42570	1900162

smihalow | p:\210004-i-64 atl\02bridge\04plans\216-structure 12 i-265 wbl over state street\str 12 - sht general plan.dwg | typical sections | 12/5/2022 10:15:32 AM ||

PROJECT	DESIGNATION
1900162	2200719
CONTRACT	BRIDGE FILE
R-42570	I64-123-04689 C

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE INFORMATION

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-123-04689 C	CONTINUOUS STEEL BEAM BRIDGE	3 SPANS: 41'-0", 70'-6", 41'-0" SKEW: 10°34'30" RT.	SPRING STREET	℄ STRUCTURE STA. 1385+01.18 "PR-A-EB" ℄ STRUCTURE STA. 2386+50.20 "PR-A-WB"

TRAFFIC DATA

TRAFFIC DATA		I-64 MAINLINE	SPRING STREET
A.A.D.T.	(2019)	77,380 V.P.D.	14,400 V.P.D.
A.A.D.T.	(2046)	93,460 V.P.D.	16,560 V.P.D.
D.H.V	(2046)	8,910 V.P.H.	1,070 V.P.H.
DIRECTIONAL DISTRIBUTION		67%	80%
TRUCKS		9%	3%
		6% D.H.V.	1% D.H.V.

DESIGN DATA

DESIGN DATA		
DESIGN SPEED	70 M.P.H.	
PROJECT DESIGN CRITERIA	4R (FREEWAY)	NO IMPROVEMENT
FUNCTIONAL CLASSIFICATION	INTERSTATE	
RURAL/URBAN	URBAN	
TERRAIN	ROLLING	
ACCESS CONTROL	FULL	

KIN PROJECT INFORMATION

DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	Added Travel Lanes on I-64	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64	Str. 1
1800405	Bridge Painting on US 150 WB over I-64	Str. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road	Str. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road	Str. 4
1702617	Bridge Replacement on I-64 WB over I-64 Ramp to I-265 EB	Str. 5A
2200016	Bridge Replacement on I-64 EB over I-64 Ramp to I-265 EB	Str. 5B
1800721	Bridge Replacement on I-64 WB over I-265 Ramp to I-64 EB	Str. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB over I-64 EB to I-265 EB	Str. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road	Str. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road	Str. 9
1702614	Bridge Deck Overlay on I-64 EB & WB over Cherry Street	Str. 10
2000326 / 2000323	Bridge Deck Replacement and Widening on I-265 EB over State Street	Str. 11
2000324	Bridge Deck Overlay on I-265 WB over State Street	Str. 12
1700205	I-64 WB over SR62 / SR 64	Str. 14
1700206	I-64 EB over SR62 / SR 64	Str. 13
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	Str. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	Str. 16
2002072	US 150 EB over Little Indian Creek	Str. 18
2002073	US 150 WB over Little Indian Creek	Str. 19
2200719	I-64 EB & WB over SR 62 / Spring Street	Str. 20
2200718	I-64 WB Off-Ramp to Spring over I-64 WB On-Ramp from Spring	Str. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	Str. 17
TBD	Valley View Creek (6 Small Structure and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

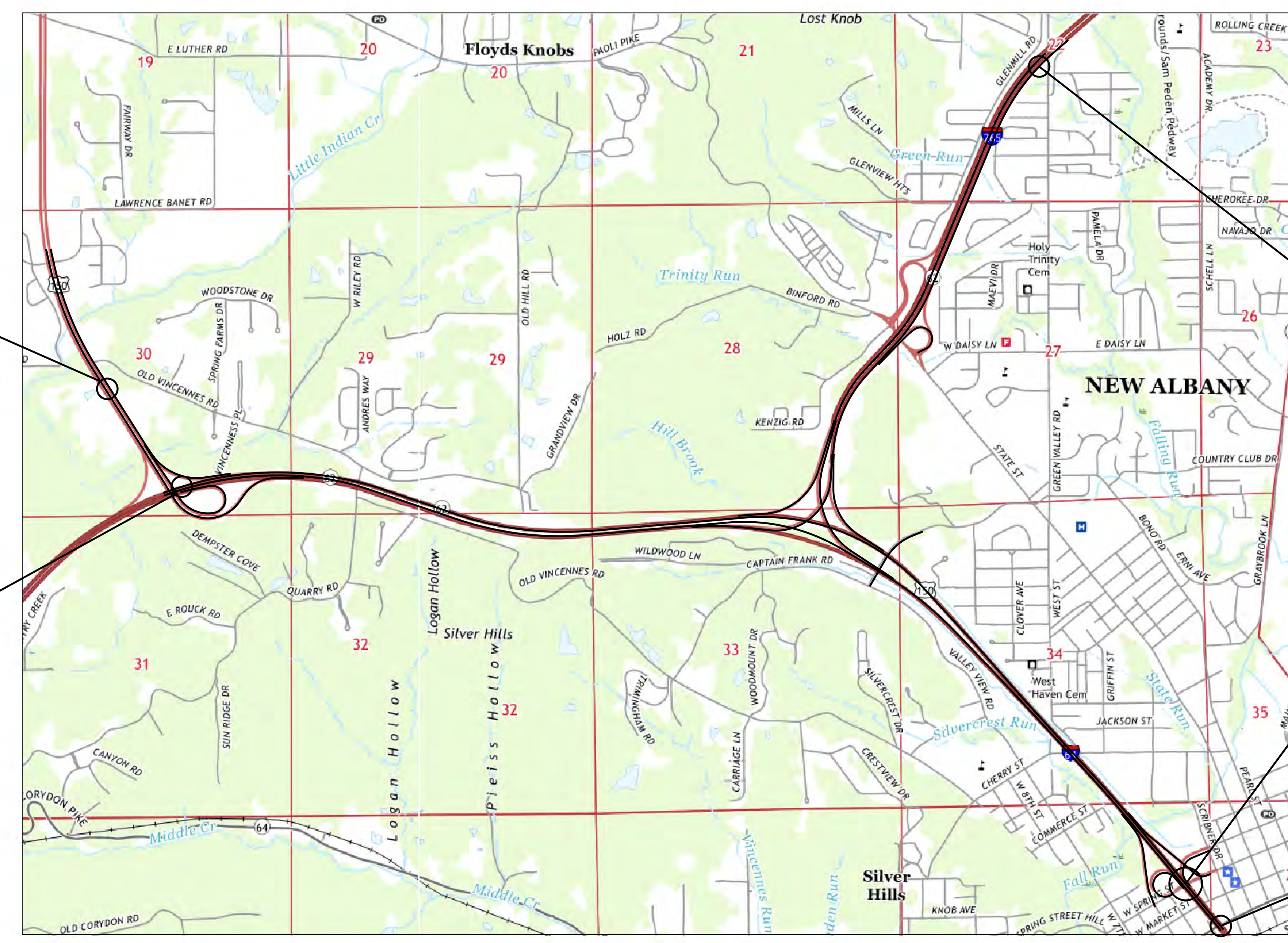
BRIDGE PREVENTIVE MAINTENANCE PLANS

FOR SPANS OVER 20 FEET

ROUTE : I-64 EB/WB AT: RP 123+46

PROJECT NO. 2200719 P.E.
1900162 R/W
2200719 CONST.

BRIDGE DECK OVERLAY ON I-64 EB/WB OVER SPRING STREET
LOCATED 0.18 MILES WEST OF SR 111 IN
SECTION 3, T-3-S, R-6-E, NEW ALBANY TOWNSHIP, FLOYD COUNTY, INDIANA



LOCATION MAP
FLOYD COUNTY

SCALE: 1" = 2000'

BEGIN CONSTRUCTION
PROJECT NO. 1900162
STA. 1025+38.31
LINE "PR-U-WB"

BEGIN PROJECT
PROJECT NO. 1900162
STA. 1180+86.02
LINE "PR-A-EB"

END CONSTRUCTION
PROJECT NO. 1900162
STA. 2077+97.42
LINE "PR-L-EB"

STRUCTURE LOCATION
I-64 EB OVER SPRING STREET
STA. 1385+01.18 "PR-A-EB"
I-64 WB OVER SPRING STREET
STA. 2386+50.20 "PR-A-WB"

END PROJECT
PROJECT NO. 1900162
STA. 1393+50.00
LINE "PR-A-EB"

PROJECT LOCATION SHOWN BY ▬ FLOYD COUNTY

LATITUDE: 38°17'26.7" N LONGITUDE: 85°50'06.4" W

BRIDGE LENGTH: 0.029 MI.
ROADWAY LENGTH: * MI.
TOTAL LENGTH: * MI.
MAX. GRADE: 3.000 %

* SEE DES NO. 1900162

12-DIGIT HYDROLOGIC UNIT CODE: 051401010904

NOTE TO REVIEWER

The list of KIN'd projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the contract package.

STAGE 2 PLANS

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS

SJCA
9102 North Meridian Street, Suite 200, Indianapolis, IN 46260
Phone: (317) 566-0629

DRAFT
NOT FOR CONSTRUCTION

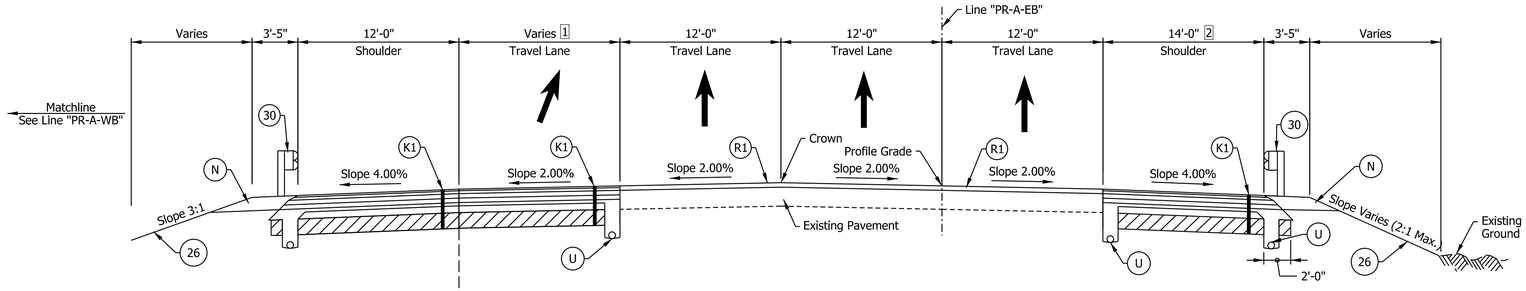
PLANS PREPARED BY: SJCA, INC (317) 566-0629 PHONE NUMBER

CERTIFIED BY: ____________ DATE

RECOMMENDED FOR LETTING: ____________ INDIANA DEPARTMENT OF TRANSPORTATION DATE

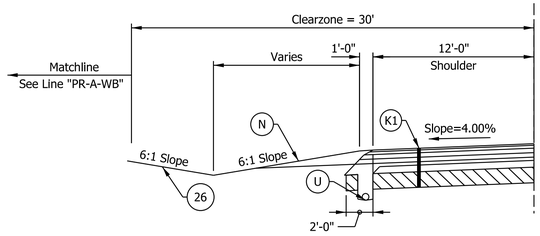
BRIDGE FILE		
I64-123-04689 C		
DESIGNATION		
2200719		
SURVEY BOOK	SHEETS	TTL-01
ELECTRONIC	1 of	13
CONTRACT	PROJECT	
R-42570	1900162	

kharrison
12/6/2022; 11:31:47 AM
model: TTL-01 [Sheet]
file: pw://pw-int.hntb.org:PWGreat_Lakes/Documents/Indianapolis Projects/78704 INDOT-S I-64 ATL/00 CAD-ORD/Sheets/Bridge/Bridge No. 20 - I-64 EB and WB over Spring St/2200719_S_TTL01.dgn

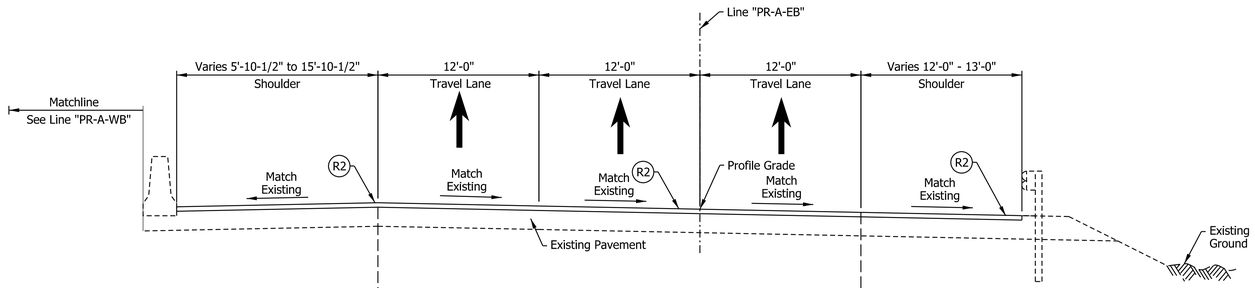


I-64 EB TYPICAL SECTION

STA. 1328+04.00 "PR-A-EB" TO STA. 1335+38.00 "PR-A-EB"



STA. 1333+00.00 "PR-A-EB" TO STA. 1335+38.00 "PR-A-EB"

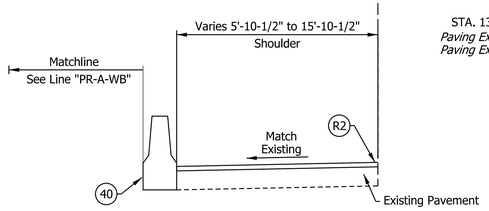


I-64 EB TYPICAL SECTION

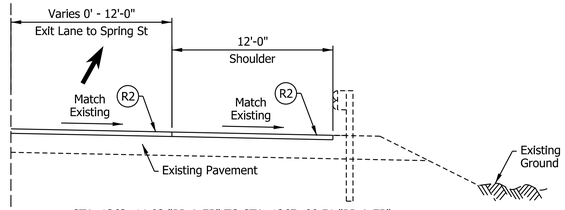
STA. 1335+38.00 "PR-A-EB" TO STA. 1383+96.28 "PR-A-EB"

Paving Exception Sta. 1353+05.04 to Sta. 1355+03.52 "PR-A-EB"

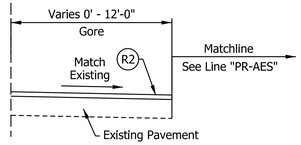
Paving Exception Sta. 1383+96.28 to Sta. 1386+06.25 "PR-A-EB"



STA. 1336+45.00 "PR-A-EB" TO STA. 1342+63.00 "PR-A-EB"



STA. 1363+11.93 "PR-A-EB" TO STA. 1367+80.51 "PR-A-EB"



STA. 1367+80.51 "PR-A-EB" TO STA. 1372+64.50 "PR-A-EB"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

1 Lane width varies from 12'-0" at Sta. 1323+93.14 to 0'-0" Sta. 1333+00.00

2 Shoulder width varies from 14'-0" at Sta. 1333+00.00 to 12'-0" at St. 1335+38.00

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SGM DRAWN: CGR

CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 EASTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16" = 1'-0"	I64-123-04689 C
VERTICAL SCALE	DESIGNATION
AS NOTED	2200719
SURVEY BOOK	SHEETS TYP-01
ELECTRONIC	3 of 13
CONTRACT	PROJECT
R-42570	1900162

Notes:

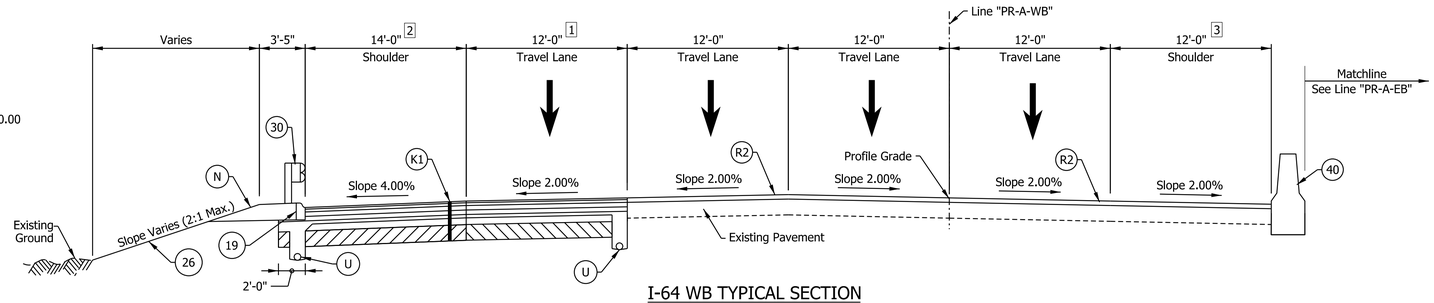
See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

[1] Lane width varies from 12'-0" at Sta. 2334+00.00 to 0'-0" at Sta. 2339+80.00

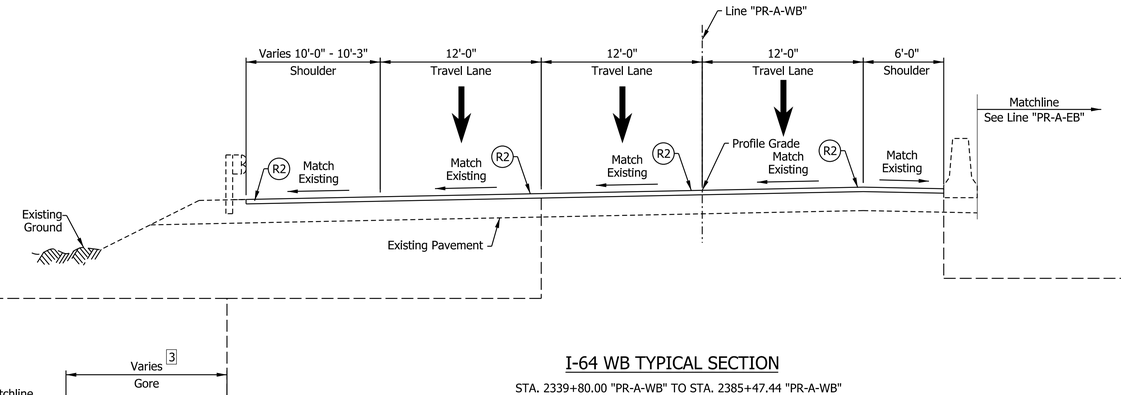
[2] Shoulder width varies from 14'-0" at Sta. 2334+00.00 to 10'-10" at Sta. 2339+80.00

[3] Shoulder width varies, maximum of 19'-6". Match Existing.



I-64 WB TYPICAL SECTION

STA. 2337+79.00 "PR-A-WB" TO STA. 2339+80.00 "PR-A-WB"

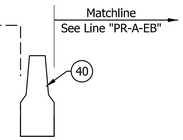


I-64 WB TYPICAL SECTION

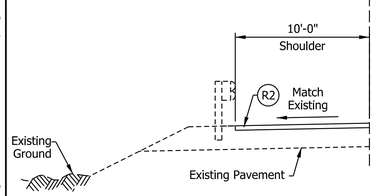
STA. 2339+80.00 "PR-A-WB" TO STA. 2385+47.44 "PR-A-WB"

Paving Exception Sta. 2354+86.59 to Sta. 2356+85.07 "PR-A-WB"

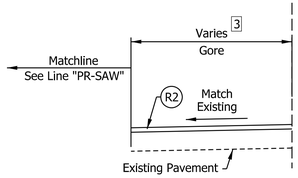
Paving Exception Sta. 2385+47.44 to Sta. 2387+57.40 "PR-A-WB"



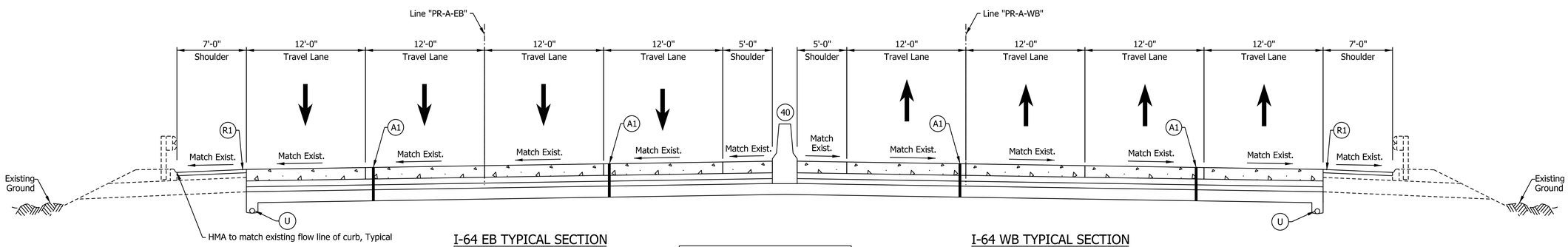
STA. 2337+82.00 "PR-A-WB" TO STA. 2344+00.00 "PR-A-WB"



STA. 2375+14.90 "PR-A-WB" TO STA. 2385+35.00 "PR-A-WB"



STA. 2372+38.29 "PR-A-WB" TO STA. 2375+14.90 "PR-A-WB"



I-64 EB TYPICAL SECTION

STA. 1386+06.25 "PR-A-EB" TO STA. 2388+71.50 "PR-A-EB"

I-64 WB TYPICAL SECTION

STA. 2387+57.40 "PR-A-WB" TO STA. 2390+10.10 "PR-A-WB"

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

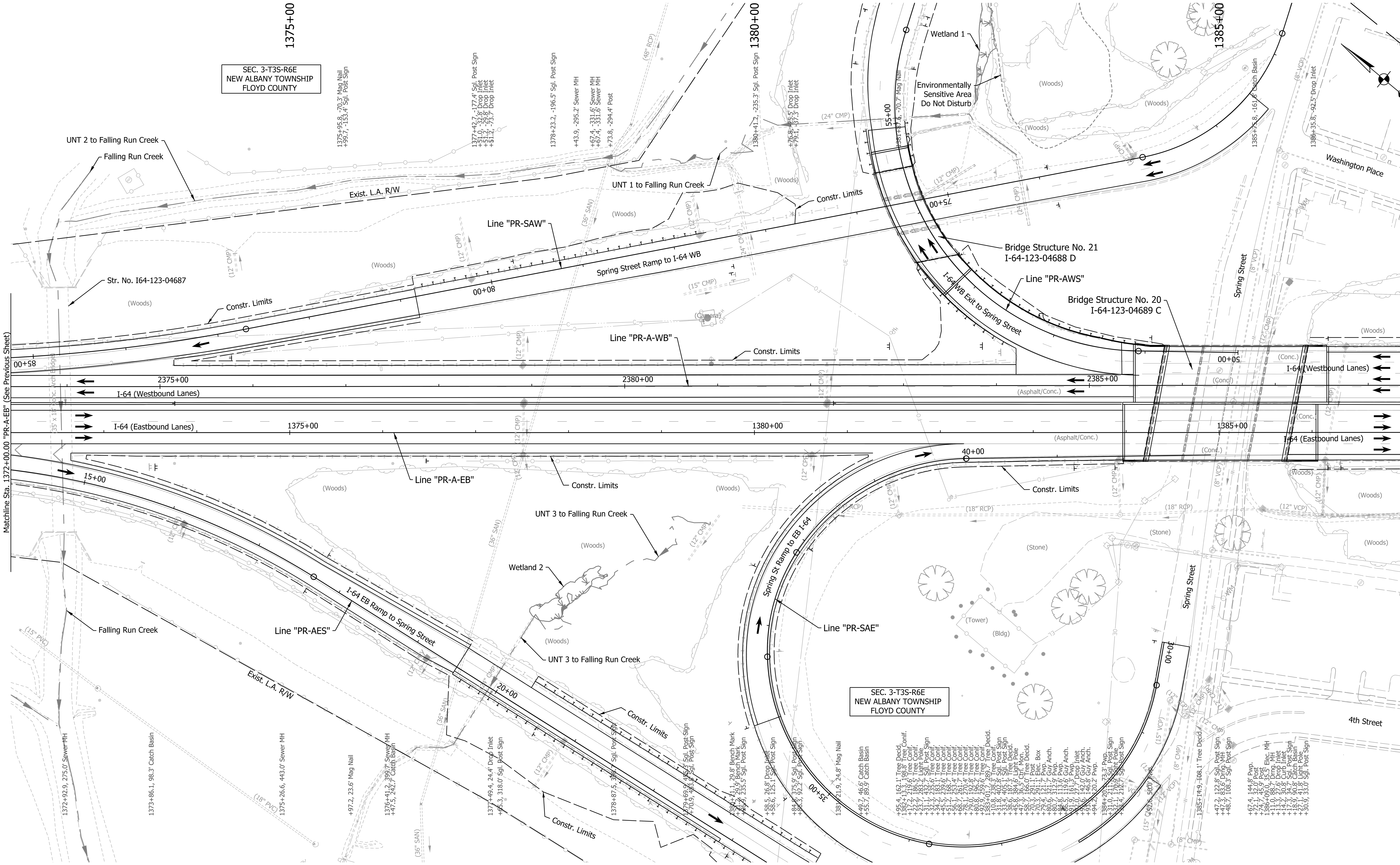
DESIGNED: SGM DRAWN: CGR

CHECKED: ADR CHECKED: ADR

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 WESTBOUND MAINLINE
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16" = 1'-0"	I64-123-04689 C
VERTICAL SCALE	DESIGNATION
AS NOTED	2200719
SURVEY BOOK	SHEETS TYP-02
ELECTRONIC	4 of 13
CONTRACT	PROJECT
R-42570	1900162



Note:
For Geometric information see Geometric Layout Sheets
GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE

DESIGNED:	SGM	DRAWN:	RJS
CHECKED:	KRC	CHECKED:	KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A-EB" - STA. 1372+00 TO STA. 1387+00
LINE "PR-A-WB" - STA. 2372+00 TO STA. 2387+00

HORIZONTAL SCALE	BRIDGE FILE	
1" = 50'	I64-123-04689 C	
VERTICAL SCALE	DESIGNATION	
AS NOTED	2200719	
SURVEY BOOK	SHEETS	PP-01
ELECTRONIC	5 of	13
CONTRACT	PROJECT	
R-42570	1900162	

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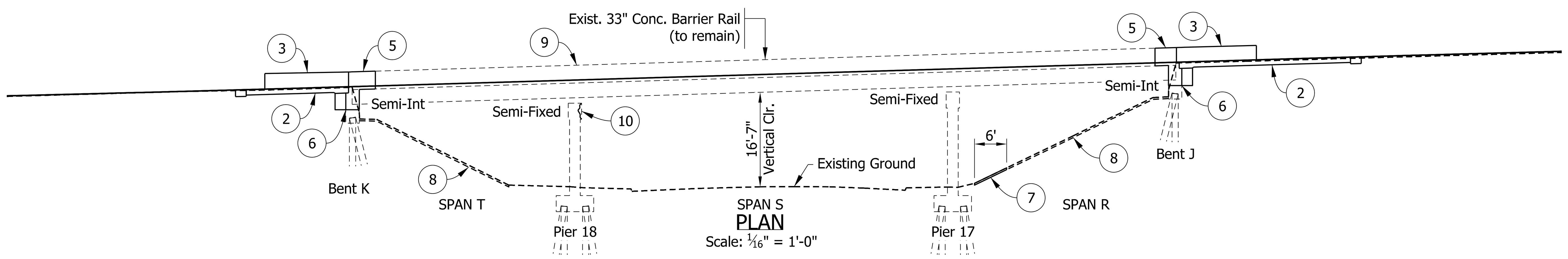
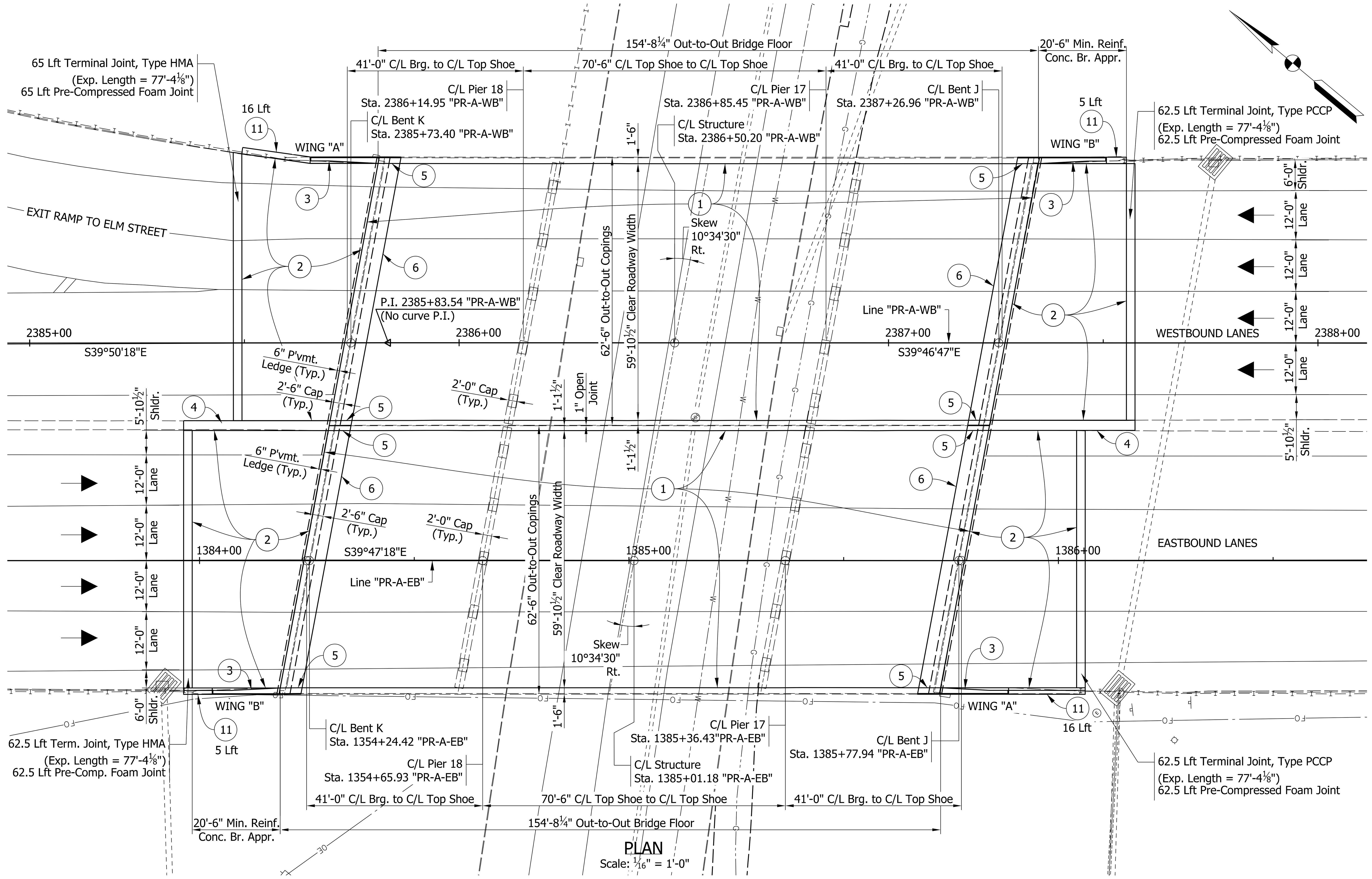
file: pw://pw-int.hntb.org:PWGreat_Lakes/Documents/Indianapolis Projects/78704 INDOT-S I-64 ATL/00 CAD-ORD/Sheets/Bridge/Bridge No. 20 - I-64 EB and WB over Spring St/2200719_S_PP01.dgn

STRUCTURE BUILT ON A 3.000% GRADE AND 400' V.C.



PLAN
Scale: 1/16" = 1'-0"



PLAN
Scale: 1/16" = 1'-0"

GENERAL NOTES

Reinforcing Steel covering shall be 2 1/2" in top and 1" minimum in the bottom of the floor slab, and 2" in all other parts, unless noted.

All exposed faces of concrete bridge and transition railings to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = 4,260 Sft.)

Where new work is to be fitted to the old work, the Contractor shall check and verify all dimensions, elevations and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new construction to the existing structure.

Data shown for existing bridge and subsequent geometry for proposed structure taken from original structure plans.

Original and Rehabilitation Plans for existing structure are on file in the Research and Documents Section at the Indiana Department of Transportation, as Bridge File No. I-64-124-4988, I-64-124-4988A, I-64-124-4988B and are available upon request.

DESIGN DATA

LIVE LOAD

The structure originally designed for H20-S16-44 (Modified) loading in accordance with AASHTO Standard Specifications for Highway Bridges, 1957 Edition. Bridge deck was replaced in 1999 in accordance with Indiana Department of Highway Standard Specifications dated 1988.

DEAD LOAD

Originally designed for actual weight plus 35 psf for future wearing surface and 15 psf for permanent metal deck forms.

DESIGN STRESSES

CONCRETE:
CLASSS "C": f'c = 4,000
REINFORCING STEEL:
GRADE 60: Fy = 60,000 PSI

BRIDGE DECK OVERLAY

1¾" Latex-Modified or Silica Fume Overlay (see Special Provisions for details)

MATERIAL NOTES

Concrete used for patching to be in accordance with INDOT Standard Specifications 710.

NOTES

1. For Typical Bridge Sections, see Dwg. No. PLN-02.
2. MGS Guardrail Transition and Terminal Joint pay items included with roadway plans - see Des. No. 1900162.

LEGEND

1. ¼" Bridge Deck Remove Exist. Conc. Surface; Use Hydrodemolition to remove unsound concrete (Total Bridge Deck Remove Exist. Conc. Surface = 1,926 Sys) Construct 1¾" Bridge Deck Overlay (Contractor option of LMC or Microsilica) (Total Bridge Deck Overlay = 2,060 Sys) Perform Longitudinal Grooving on Deck
2. Remove existing Reinf. Conc. Bridge Approach and replace with propsed Reinf. Conc. Bridge Approach (see details)
3. Install new Concrete Bridge Railing Transition, TFC Mod. (1 each) (Total Concrete Bridge Railing Transition, TFC = 4 each)
4. Install new Concrete Median Barrier, Mod. (34 lft) (Connect to Exist. Conc. Median Barrier) (Total Concrete Median Barrier, Mod. =68 lft)
5. Install new Railing, Concrete FC Mod. (4.5 lft) (Connect to Exist. Railing, Concrete FC) (Total Railing, Concrete FC =36 lft)
6. Remove exist. portion of mudwall, deck, and concrete bridge rail from back of mudwall extending into deck 4'-0" and convert existing end bents to semi-integral.
7. Remove 6' of Exist. Conc. Slopewall and replace with Slopewall, Concrete, 4" (Total Slopewall, Concrete, 4" = 95 Sys)
8. Inspection Holes to assess condition of existing slopewalls (Total Inspection Holes = 8 each)
9. Surface Seal Exist. Concrete Bridge Rail and install Barrier Delineators
10. Patch delaminated areas of substructure (Est. Qty. = 50 sft)
11. Install Integral Concrete Curb (Total Curb, Integral Concrete = 42 lft)

NOTE TO REVIEWER

1. Additional FC Railing and TFC Transition Formliner details will be provided at STG 3 submittal.

2. Additional Railing Concrete FC Mod. width details to be provided at STG 3 submittal.

CONTINOUS STEEL BEAM BRIDGE
3 SPANS: 41'-0", 70'-6", 41'-0"
59'-10½" CLEAR ROADWAY (EASTBOUND)
59'-10½" CLEAR ROADWAY (WESTBOUND)
SKEW: 10°34'30" RT.
I-64 EB/WB OVER SPRING STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: KCH		DRAWN: KCH	
CHECKED: RK		CHECKED: RK	

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-123-04689 C
VERTICAL SCALE	DESIGNATION
AS NOTED	2200719
SURVEY BOOK	SHEETS PLN-01
ELECTRONIC	8 of 13
CONTRACT	PROJECT
R-42570	1900162

kharrison
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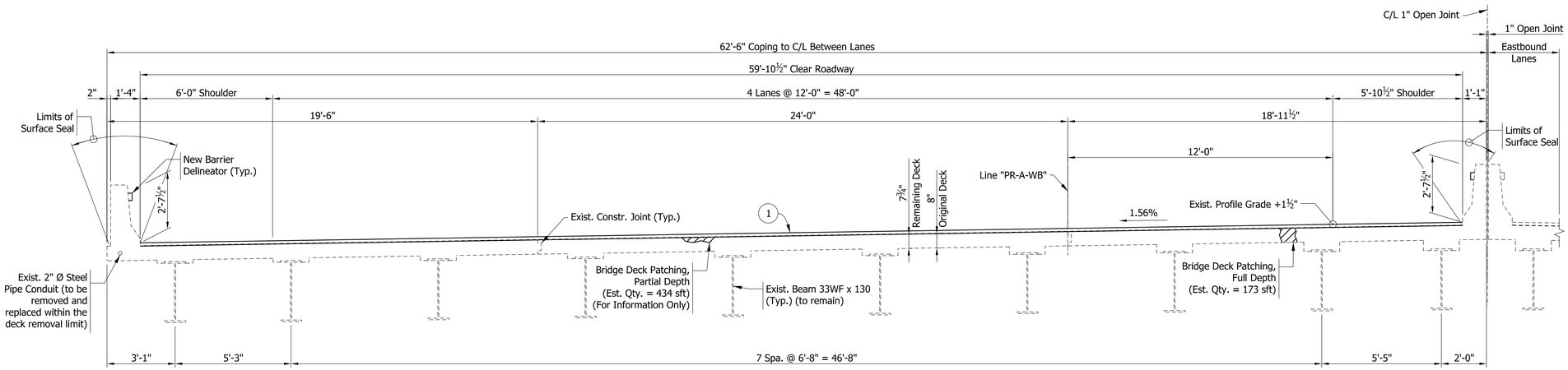
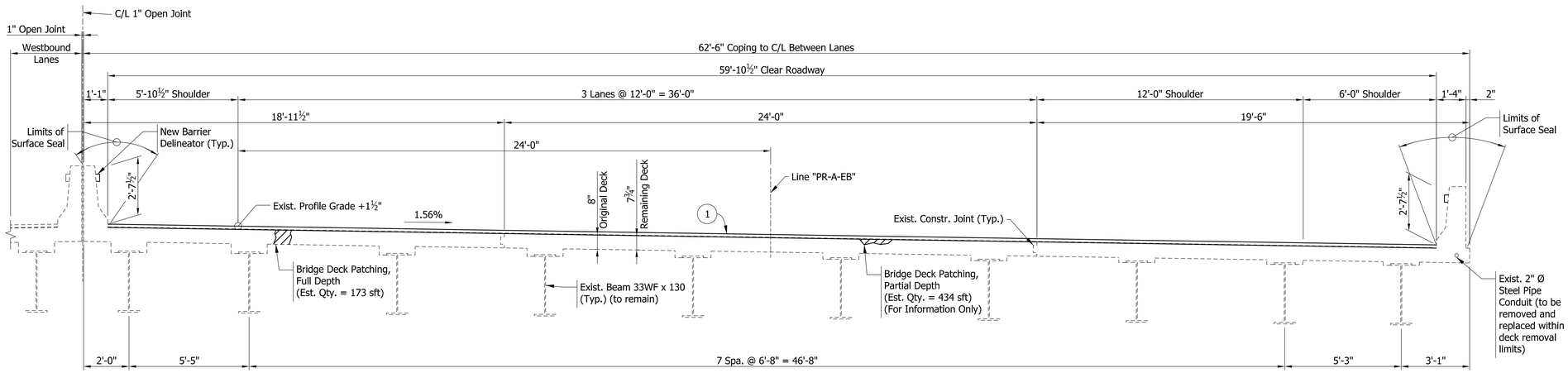
file: pw://pw-int.hntb.org:PWGreat_Lakes/Documents/Indianapolis Projects/78704 INDOT-S I-64 ATL/00 CAD-ORD/Sheets/Bridge/Bridge No. 20 - I-64 EB and WB over Spring St/2200719_S_PLN01.dgn



TYPICAL BRIDGE SECTION - WESTBOUND LANES

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



TYPICAL BRIDGE SECTION - EASTBOUND LANES

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

NOTES

1. For Bridge Plan and Elevation, see Dwg. No. PLN-01.

LEGEND

(1) ¼" Bridge Deck Remove Exist. Conc. Surface;
Use Hydrodemolition to remove unsound concrete
(Total Bridge Deck Remove Exist. Conc. Surface = 1,926 Sys)
Construct 1¾" Bridge Deck Overlay (Contractor option of LMC or Microsilica)
(Total Bridge Deck Overlay = 2,060 Sys)
Perform Longitudinal Grooving on Deck

CONTINOUS STEEL BEAM BRIDGE
3 SPANS: 41'-0", 70'-6", 41'-0"
59'-10½" CLEAR ROADWAY (EASTBOUND)
59'-10½" CLEAR ROADWAY (WESTBOUND)
SKEW: 10°34'30" RT.
I-64 EB/WB OVER SPRING STREET
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

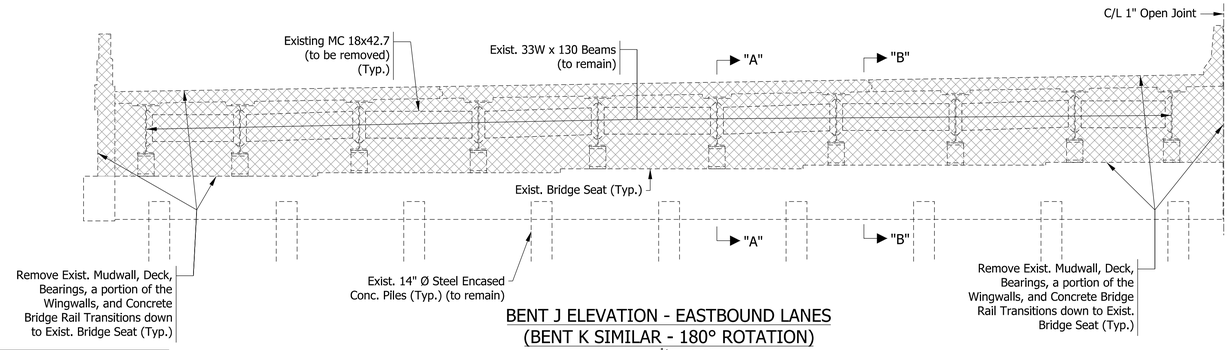
DESIGNED: KCH DRAWN: KCH

CHECKED: RK CHECKED: RK

INDIANA
DEPARTMENT OF TRANSPORTATION

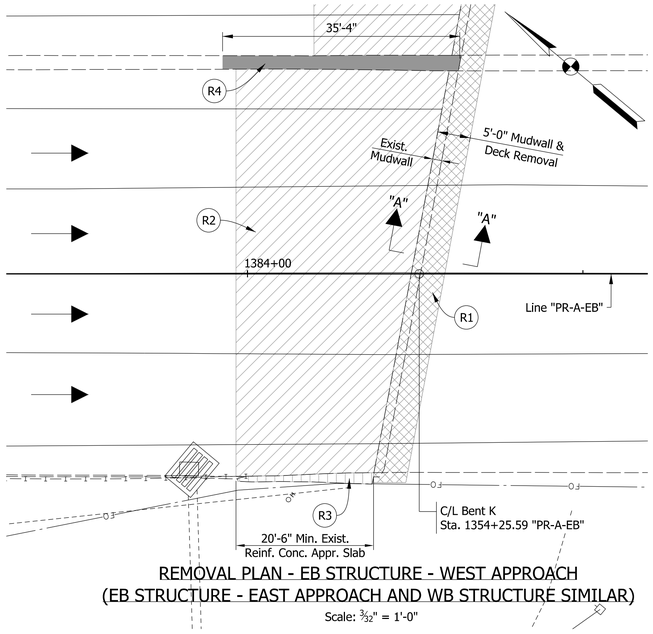
GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-123-04689 C
VERTICAL SCALE	DESIGNATION
AS NOTED	2200719
SURVEY BOOK	SHEETS PLN-02
ELECTRONIC	9 of 13
CONTRACT	PROJECT
R-42570	1900162

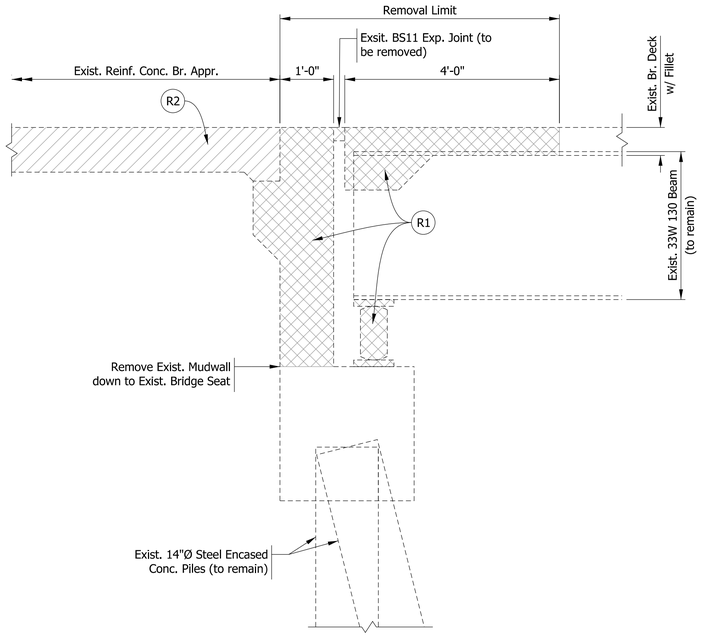


BENT J ELEVATION - EASTBOUND LANES
(BENT K SIMILAR - 180° ROTATION)
Scale: ¼" = 1'-0"

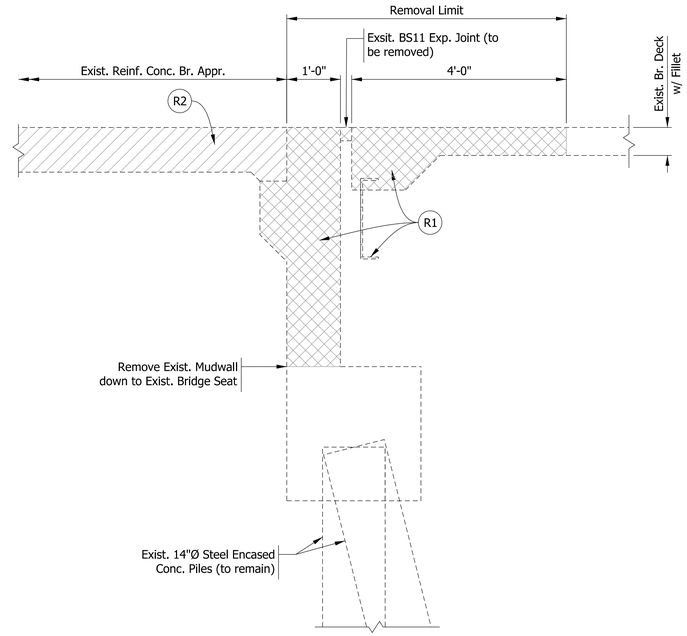
NOTE TO REVIEWER
Full length of wingwalls do not need to be removed. Further removal details will be included with next submittal.



REMOVAL PLAN - EB STRUCTURE - WEST APPROACH
(EB STRUCTURE - EAST APPROACH AND WB STRUCTURE SIMILAR)
Scale: $\frac{3}{32}$" = 1'-0"



SECTION "A-A" (THRU BEAM)



SECTION "B-B" (BETWEEN BEAMS)

LEGEND

- R1 Remove existing portion of mudwall, deck, cross frames and concrete bridge rail from back of mudwall extending into deck 4'-0"
- R2 Remove existing Reinforced Concrete Bridge Approach
- R3 Remove existing Concrete Bridge Railing Transition, TFC
- R4 Remove existing Concrete Median Barrier

NOTES

1. Existing 2" Ø Steel Conduit to be removed and replaced within the Deck Removal limits.

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: KCH DRAWN: KCH

CHECKED: RK CHECKED: RK

INDIANA
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I64-123-04689 C
VERTICAL SCALE	DESIGNATION
AS NOTED	2200719
SURVEY BOOK	SHEETS REM-01
ELECTRONIC	12 of 13
CONTRACT	PROJECT
R-42570	1900162

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PROJECT	DESIGNATION
1900162	2200718
CONTRACT	BRIDGE FILE
R-42570	I64-123-04688 D

STRUCTURE INFORMATION

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I64-123-04688 D	REINFORCED CONCRETE GIRDER BRIDGE	3 SPANS: 33'-10⅛", 37'-4", 27'-11⅜" ON CURVE	I-64 RAMP 123D TO I-64 WBL	℄ STRUCTURE STA. 54+13.81 "PR-AWS"

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PREVENTIVE MAINTENANCE PLANS

FOR SPANS OVER 20 FEET

ROUTE : I-64 WB RAMP AT: RP 123+45

PROJECT NO. 2200718 P.E.
1900162 R/W
2200718 CONST.

TRAFFIC DATA		I-64 WBL RAMP 123C	I-64 RAMP 123D TO I-64 WBL
A.A.D.T.	(2019)	11,870 V.P.D.	6,510 V.P.D.
A.A.D.T.	(2046)	14,050 V.P.D.	9,320 V.P.D.
D.H.V	(2046)	1,740 V.P.H.	1,270 V.P.H.
DIRECTIONAL DISTRIBUTION		100%	100%
TRUCKS		3%	5%
		1% D.H.V.	2% D.H.V.

DESIGN DATA		
DESIGN SPEED	70 M.P.H.	
PROJECT DESIGN CRITERIA	4R (FREEWAY)	NO IMPROVEMENT
FUNCTIONAL CLASSIFICATION	INTERSTATE	
RURAL/URBAN	URBAN	
TERRAIN	ROLLING	
ACCESS CONTROL	FULL	

KIN PROJECT INFORMATION

DESIGNATION	PROJECT DESCRIPTION	
	ROAD	
1900162	Added Travel Lanes on I-64	LEAD DES.
1900366	US 150 and Old Vincennes Road (East)	
2100019	I-64 Lighting US 150 to I-64 / I-265	
	BRIDGE	
1800706	Bridge Painting on US 150 EB over I-64	Str. 1
1800405	Bridge Painting on US 150 WB over I-64	Str. 2
1700207	Bridge Replacement on I-64 EB over Quarry Road	Str. 3
2200015	Bridge Replacement on I-64 WB over Quarry Road	Str. 4
1702617	Bridge Replacement on I-64 WB over I-64 Ramp to I-265 EB	Str. 5A
2200016	Bridge Replacement on I-64 EB over I-64 Ramp to I-265 EB	Str. 5B
1800721	Bridge Replacement on I-64 WB over I-265 Ramp to I-64 EB	Str. 6
2200019	Bridge Replacement on I-265 WB to I-64 EB over I-64 EB to I-265 EB	Str. 7
2200017	Bridge Replacement on I-64 EB over Captain Frank Road	Str. 8
2200018	Superstructure Replacement on I-64 WB over Captain Frank Road	Str. 9
1702614	Bridge Deck Overlay on I-64 EB & WB over Cherry Street	Str. 10
2000326 / 2000323	Bridge Deck Replacement and Widening on I-265 EB over State Street	Str. 11
2000324	Bridge Deck Overlay on I-265 WB over State Street	Str. 12
1700205	I-64 WB over SR62 / SR 64	Str. 14
1700206	I-64 EB over SR62 / SR 64	Str. 13
2000144	Bridge Deck Overlay on I-64 EB over Yenowine Lane	Str. 15
2000145	Bridge Deck Overlay on I-64 WB over Yenowine Lane	Str. 16
2002072	US 150 EB over Little Indian Creek	Str. 18
2002073	US 150 WB over Little Indian Creek	Str. 19
2200719	I-64 EB & WB over SR 62 / Spring Street	Str. 20
2200718	I-64 WB Off-Ramp to Spring over I-64 WB On-Ramp from Spring	Str. 21
	DRAINAGE	
TBD	US 150 Twin Arch Pipe Liner	Str. 17
TBD	Valley View Creek (6 Small Structure and 7 Small Pipe Replacements)	
TBD	Valley View Creek CMP Liner	
TBD	UNT to Little Indian Creek CMP Liner	
TBD	Hill Brook CMP Liner	
TBD	Small Pipes CMP Liners (2)	

NOTE TO REVIEWER

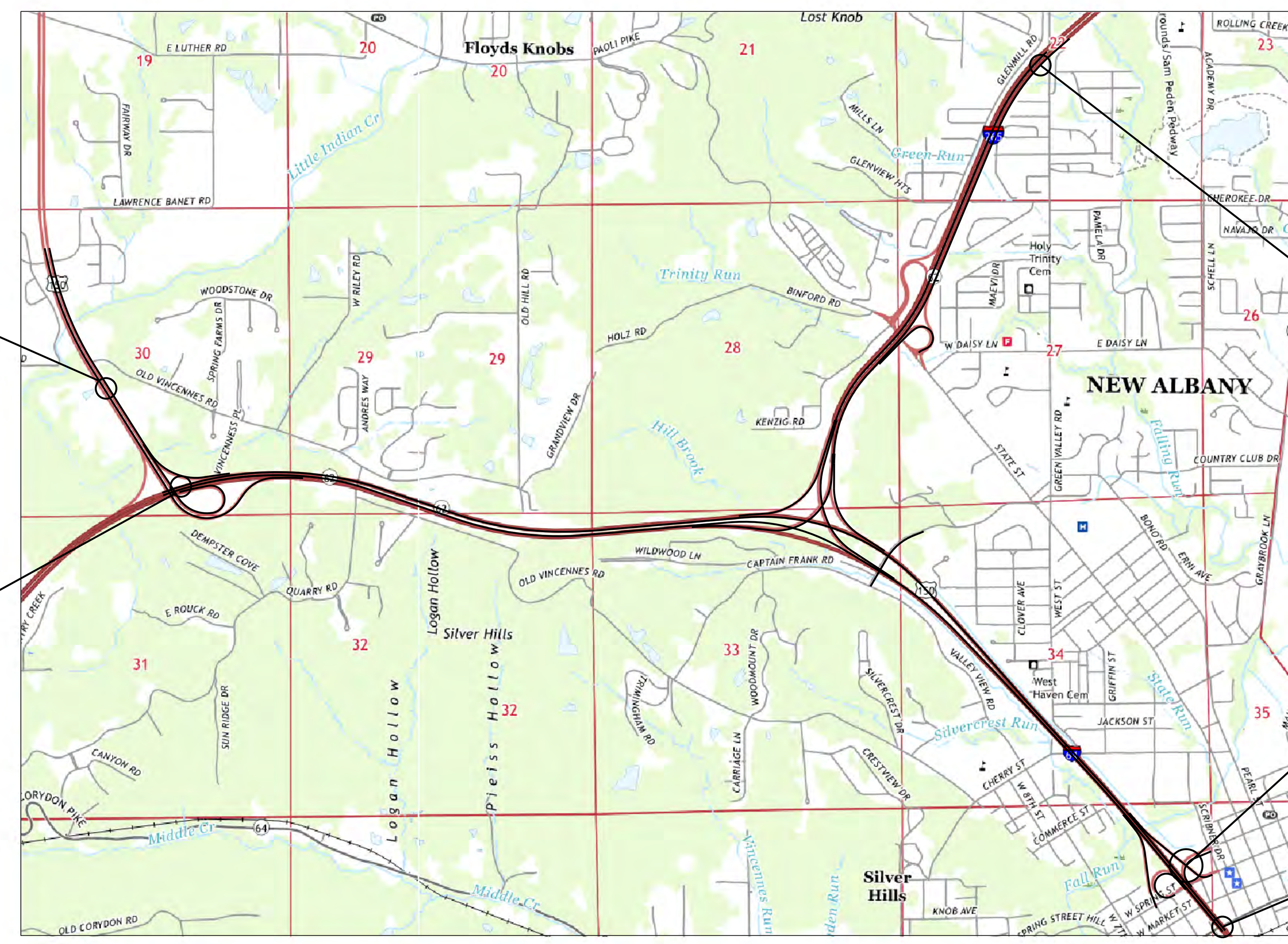
The list of KIN'd projects is tentative and subject to change at INDOT Seymour District's direction. This list represents the current understanding of the contract package.

STAGE 2 PLANS

BRIDGE DECK OVERLAY ON I-64 WB RAMP OVER I-64 RAMP 123D TO I-64 WB
LOCATED 0.28 MILES WEST OF SR 111 IN
SECTION 3, T-3-S, R-6-E, NEW ALBANY TOWNSHIP, FLOYD COUNTY, INDIANA

BEGIN CONSTRUCTION
PROJECT NO. 1900162
STA. 1025+38.31
LINE "PR-U-WB"

BEGIN PROJECT
PROJECT NO. 1900162
STA. 1180+86.02
LINE "PR-A-EB"



LOCATION MAP
FLOYD COUNTY

END CONSTRUCTION
PROJECT NO. 1900162
STA. 2077+97.42
LINE "PR-L-EB"

STRUCTURE LOCATION
I-64 WBL RAMP OVER I-64 RAMP 123D TO I-64 WBL
STA. 54+13.81 "PR-AWS"

END PROJECT
PROJECT NO. 1900162
STA. 1393+50.00
LINE "PR-A-EB"

SCALE: 1" = 2000'

PROJECT LOCATION SHOWN BY
FLOYD COUNTY

LATITUDE: 38°17'07" N LONGITUDE: 85°49'42" W

BRIDGE LENGTH:	0.020	MI.
ROADWAY LENGTH:	*	MI.
TOTAL LENGTH:	*	MI.
MAX. GRADE:	1.850	%

* SEE DES NO. 1900162

12-DIGIT HYDROLOGIC UNIT CODE: 051401010904

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS

SJCA
9102 North Meridian Street, Suite 200, Indianapolis, IN 46260
Phone: (317) 566-0629

DRAFT
NOT FOR CONSTRUCTION

PLANS PREPARED BY: SJCA, INC (317) 566-0629 PHONE NUMBER

CERTIFIED BY: ______ DATE

RECOMMENDED FOR LETTING: ______ INDIANA DEPARTMENT OF TRANSPORTATION DATE

	BRIDGE FILE	
	I64-123-04688 D	
	DESIGNATION	
	2200718	
SURVEY BOOK	SHEETS	TTL-01
ELECTRONIC	1 of 8	
CONTRACT	PROJECT	
R-42570	1900162	

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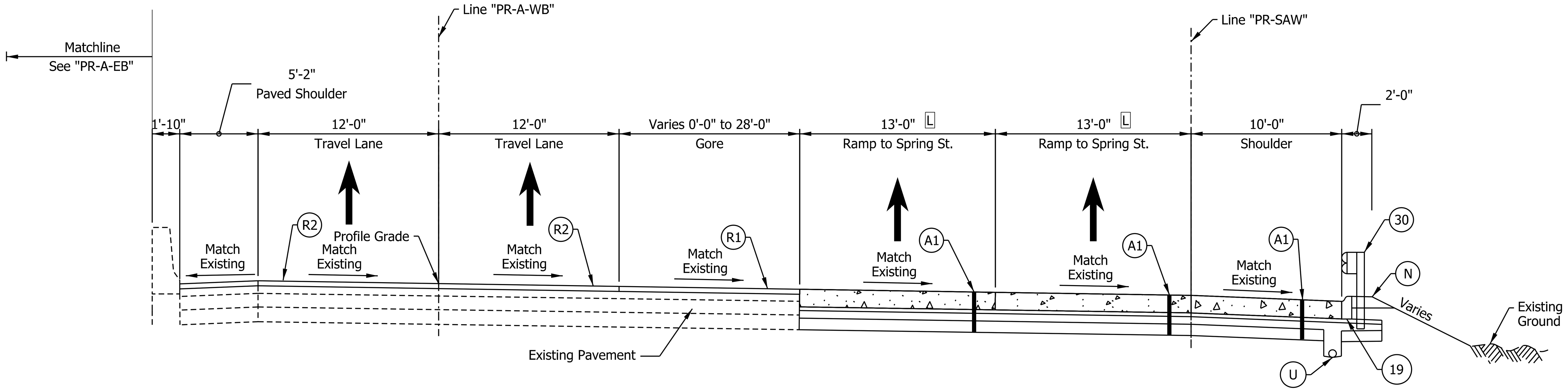
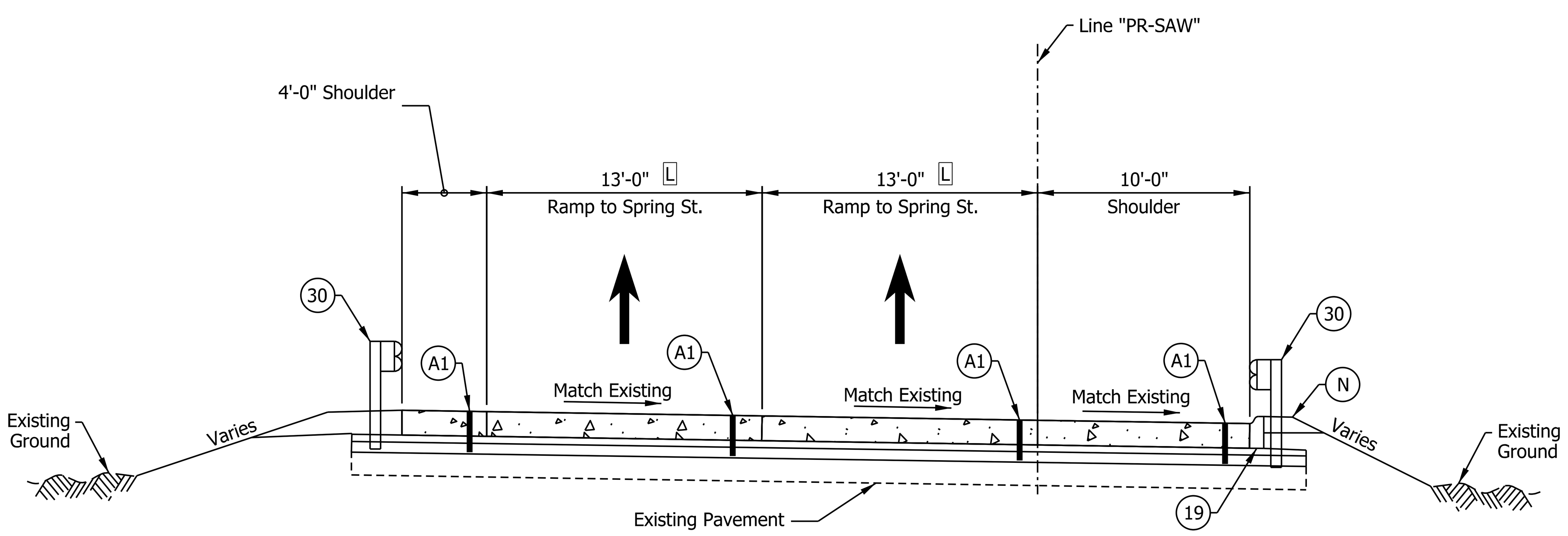


I-64 WB TO SPRING ST. AT THE GORE TYPICAL SECTION

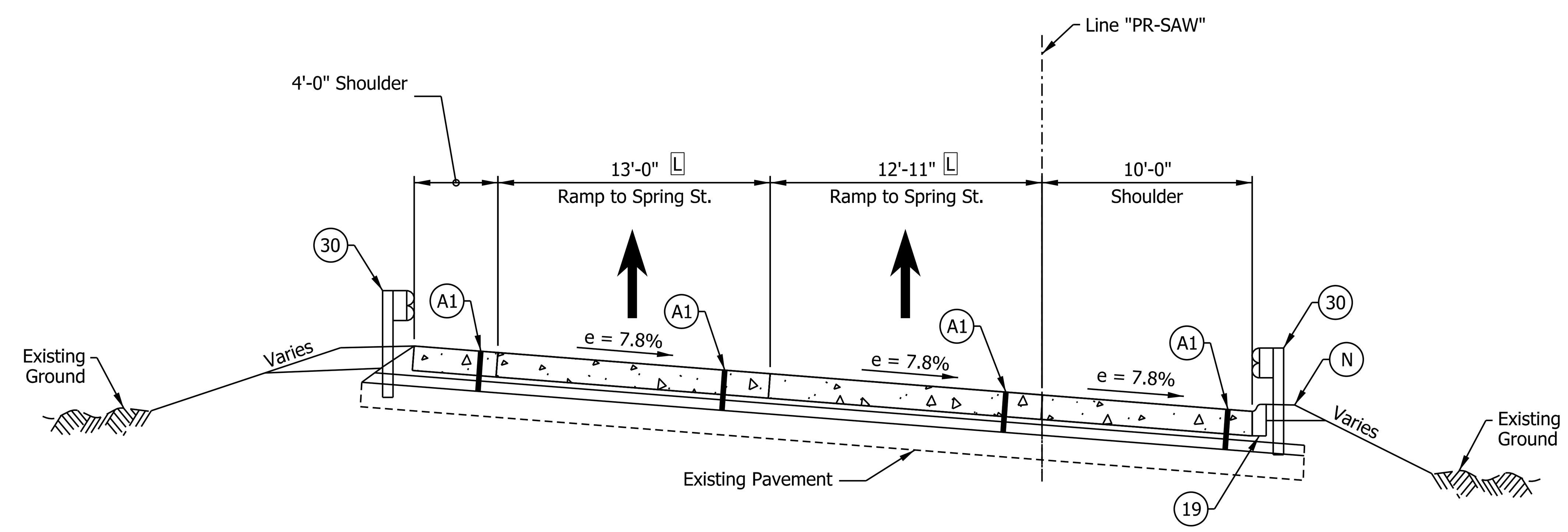
STA. 51+25.24 "PR-AWS" TO STA. 52+29.77 "PR-AWS"



I-64 WB TO SPRING ST. TYPICAL SECTION

STA. 52+29.77 "PR-AWS" TO STA. 55+70.80 "PR-AWS"

Bridge Paving Exception Sta. 53+45.00 to Sta. 54+50.00



I-64 WB TO SPRING ST. SUPERELEVATED TYPICAL SECTION

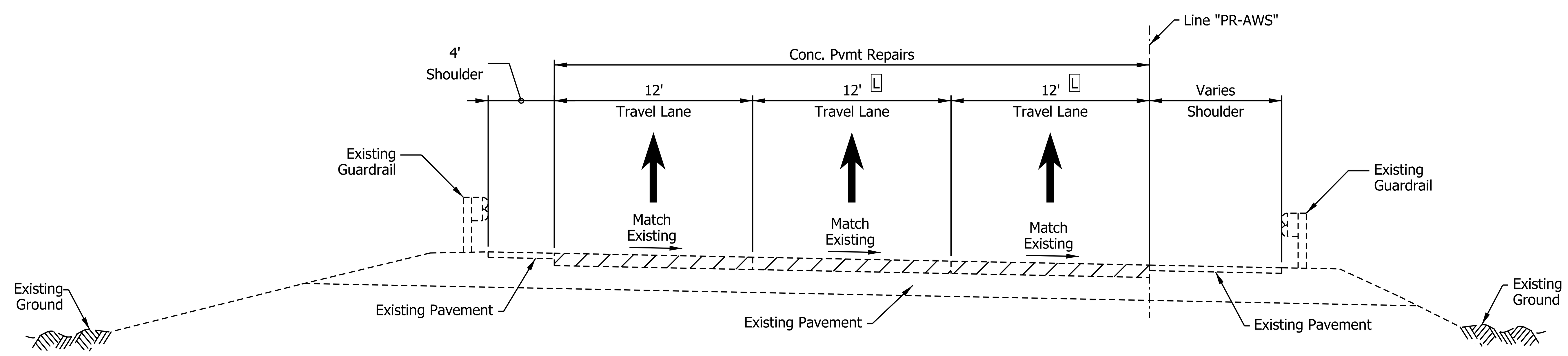
STA. 52+98.00 "PR-AWS" TO STA. 54+95.45 "PR-AWS"

Notes:

See Sheet LGD-01 for construction legend

See Sheet TS-43 for Safety Edge Details

A	Lane width varies 16'-0" from STA. 17+67.97 "PR-AES" to 24'-0" from STA. 19+50.00 "PR-AES"
B	Replace from STA. 20+30.00 "PR-AES" to STA. 23+90.00 "PR-AES"
C	Replace from STA. 19+50.00 "PR-AES" to STA. 25+70.00 "PR-AES"
D	Equals 16'-0" from STA. 31+36.00 "PR-SAE" to STA. 32+42.00 "PR-SAE" Varies from 16'-0" at STA. 32+42.00 "PR-SAE" to 0'-0" at STA. 36+00.00 "PR-SAE"
E	Equals 2'-0" from STA. 31+36.00 "PR-SAE" to STA. 32+26.00 "PR-SAE" Equals 0'-0" at STA. 32+26.00 "PR-SAE"
F	Equals 13'-0" from STA. 30+00.00 "PR-SAE" to STA. 32+42.00 "PR-SAE" Varies from 13'-0" at STA. 32+42.00 "PR-SAE" to 12'-0" at STA. 36+00.00 "PR-SAE"
G	Lane width varies 24'-0" from STA. 36+00.00 "PR-SAE" to 16'-0" from STA. 40+00.00 "PR-SAE"
H	Equals 6'-0" from STA. 19+50.00 to STA. 21+11.70 "PR-AES" Equals 2'-0" from STA. 21+11.70 to STA. 26+76.00 "PR-AES"
I	Replace from STA. 76+68.09 to STA. 80+84.00 "PR-SAW"
L	Equals 13'-0" from STA. 51+25.24 "PR-AWS" to STA. 55+12.51 "PR-AWS" Varies from 13'-0" at STA. 55+12.51 "PR-AWS" to 12'-0" at STA. 56+12.49 "PR-AWS"
M	Replace from STA. 33+13.75 to STA. 33+83.39 "PR-SAE"



I-64 WB TO SPRING ST. RAMP TYPICAL SECTION

STA. 54+95.45 "PR-AWS" TO STA. 58+58.00 "PR-AWS"

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FOR INFORMATION ONLY

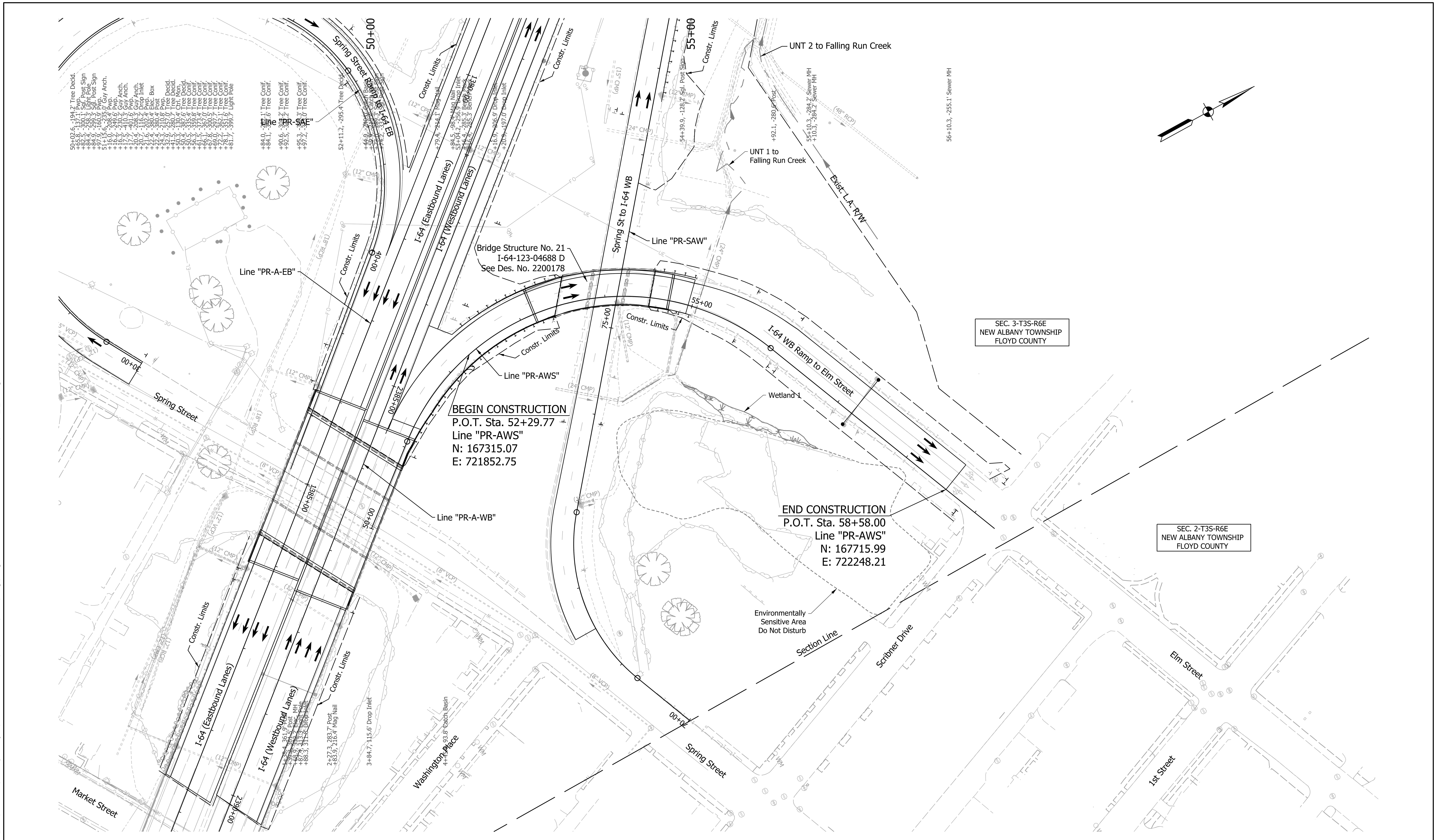
DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: JKH		DRAWN: JKH	
CHECKED: ADR		CHECKED: ADR	

INDIANA
DEPARTMENT OF TRANSPORTATION

I-64 / SPRING STREET INTERCHANGE RAMPS
PROPOSED TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE		
3/16" = 1'-0"	I64-122-04988 D		
VERTICAL SCALE	DESIGNATION		
N/A	2200718		
SURVEY BOOK	SHEETS TYP-01		
ELECTRONIC	3	of	8
CONTRACT	PROJECT		
R-42570	1900162		



Note:
For Geometric information see Geometric Layout Sheets GEO-01 to GEO-13.

FOR INFORMATION ONLY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER ______ DATE

DESIGNED:	MDS	DRAWN:	RJS
CHECKED:	KRC	CHECKED:	KRC

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-AWS"
STA. 52+29.77 TO STA. 58+58

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	I64-122-04988 D
VERTICAL SCALE	DESIGNATION
N/A	2200718
SURVEY BOOK	SHEETS PP-01
ELECTRONIC	4 of 8
CONTRACT	PROJECT
R-42570	1900162

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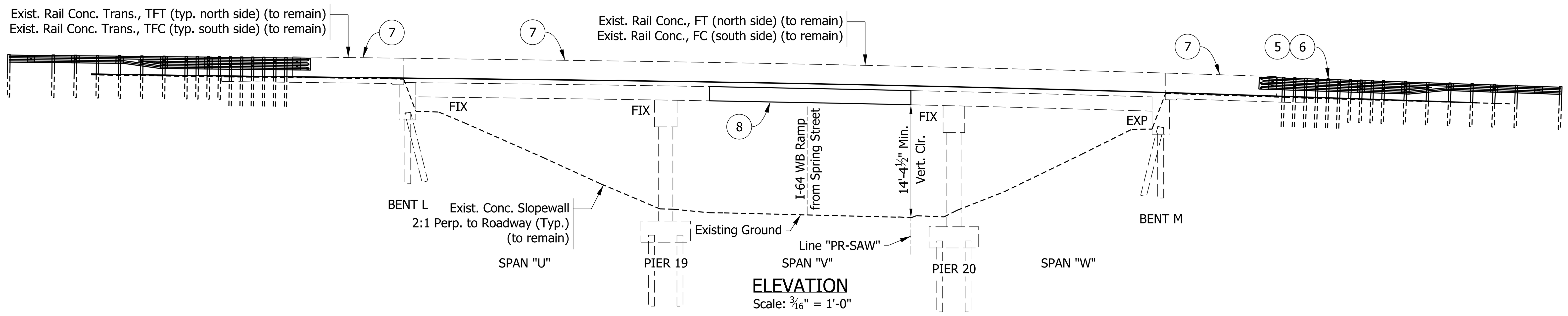
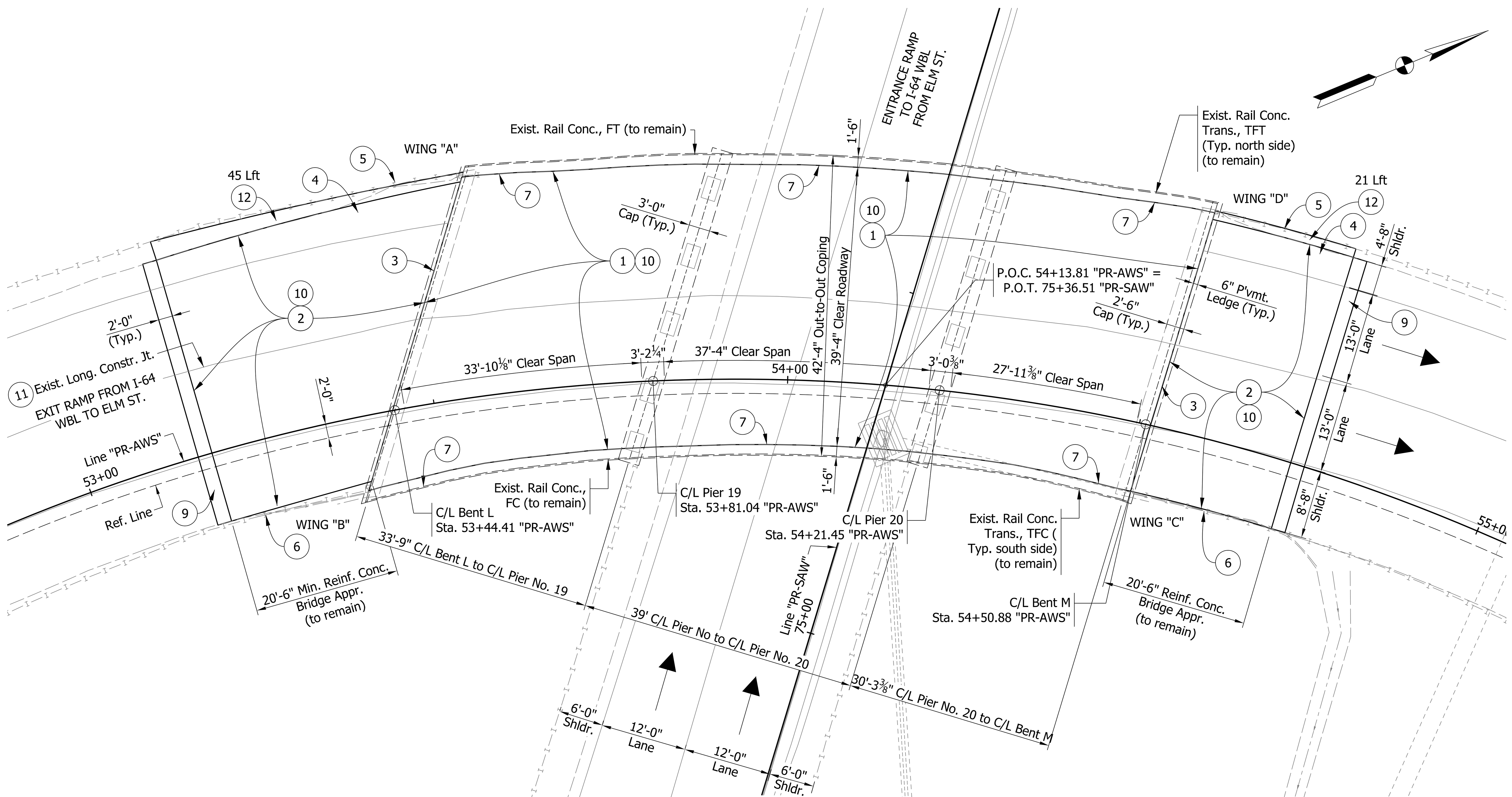
STRUCTURE BUILT ON A -1.15% GRADE, 100' VERTICAL CURVE, & A -3.35% GRADE



ELEVATION
Scale: 3/16" = 1'-0"



PLAN
Scale: 3/16" = 1'-0"

GENERAL NOTES

All exposed faces of concrete bridge and transition railings to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = 4078 Sft.)

Where new work is to be fitted to the old work, the Contractor shall check and verify all dimensions, elevations and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new construction to the existing structure.

Data shown for existing bridge and subsequent geometry for proposed structure taken from original structure plans.

Original and Rehabilitation Plans for existing structure are on file in the Research and Documents Section at the Indiana Department of Transportation, as Bridge File No. I-64-124-4688, I-64-124-4688A, I-64-124-4688B, I-64-124-4688C and are available upon request.

DESIGN DATA

LIVE LOAD

The structure originally designed for HS20-S16-44 loading in accordance with AASHTO Standard Specifications for Highway Bridges 1957 Edition. The bridge deck was replaced and widened in 1991 in accordance with Indiana Department of Highways Standard Specfications dated 1988.

DEAD LOAD

Originally designed for actual weight plus 35 psf for future wearing surface and 15 psf for permanent metal deck forms.

BRIDGE DECK OVERLAY

1¾" Latex-Modified, or Silica Fume Overlay (see Special Provisions for details)

MATERIAL NOTES

Concrete used for patching to be in accordance with INDOT Standard Specifications 710.

NOTES

1. For Typical Bridge Sections, see Dwg. No. PLN-02.
2. For clarity, the dimensions shown are based off existing plans while the alignments are based of survey data. Discrepancies may exist between the data.
3. MGS Guardrail Trans., Guardrail End Treatment, Guardrail Remove, and Terminal Joint pay items included with roadway plans - see Des. No. 1900162.

LEGEND

1. ¼" Bridge Deck Remove Exist. Conc. Surface; Use Hydrodemolition to remove unsound concrete (Total Bridge Deck Remove Exist. Conc. Surface = 475 Sys)
   Construct 1¾" Bridge Deck Overlay (Contractor option of LMC or Microsilica) (Total Bridge Deck Overlay = 475 Sys)
   Perform Longitudinal Grooving on Deck
2. ¼" Bridge Deck Remove Exist. Conc. Surface on exist. Reinf. Conc. Br. Appr.; Use Hydrodemolition to remove unsound concrete (Total Bridge Deck Remove Exist. Conc. Surface = 231 Sys)
   Construct 1¾" Bridge Deck Overlay (Contractor Option of LMC or Microsilica) (Total Bridge Deck Overlay = 231 Sys)
   Perform Longitudinal Grooving on Reinf. Conc. Br. Appr.
3. Install Overlay Dam at Bridge/Reinf. Conc. Br. Appr. interface
4. Fill voids under Reinf. Conc. Br. Appr. w/ Flowable Backfill (Flowable Backfill = 19 Cys per side) (Total Flowable Backfill = 38 Cys)
5. Install MGS Guardrail Transition w/ Curb (1 each) & Guardrail End Treatment, OS (31" height) (1 each)
6. Install MGS Guardrail Transition w/ Curb (1 each) & MGS Guardrail Height Transition (1 each) (Connect to existing guardrail)
7. Surface Seal existing Railing, Conc. and Railing Conc. Trans. and Install Barrier Delineators
8. Patch spalled areas and Fiber Wrap existing Concrete Girder No. 5 from west end
9. Install Polymer Modified Asphalt Terminal Joint
10. Crack Repair using Epoxy Injection
11. Install Type 1-A Construction Joint in the overlay areas to perpetuate existing longitudinal construction joint in the exist. Reinf. Conc. Bridge Approach and the exist. Bridge Deck
12. Install retrofit integral concrete curb to adjacent to exist. Reinf. Conc. Bridge Approach. (Total Integral Conc. Curb = 66 Lft)

REINFORCED CONCRETE GIRDER BRIDGE
3 SPANS: 33'-10⅛", 37'-4", 27'-11⅜"
39'-4" CLEAR ROADWAY
ON CURVE
I-64 WBL RAMP 123C OVER I-64 RAMP 123D TO I-64 WB
FLOYD COUNTY

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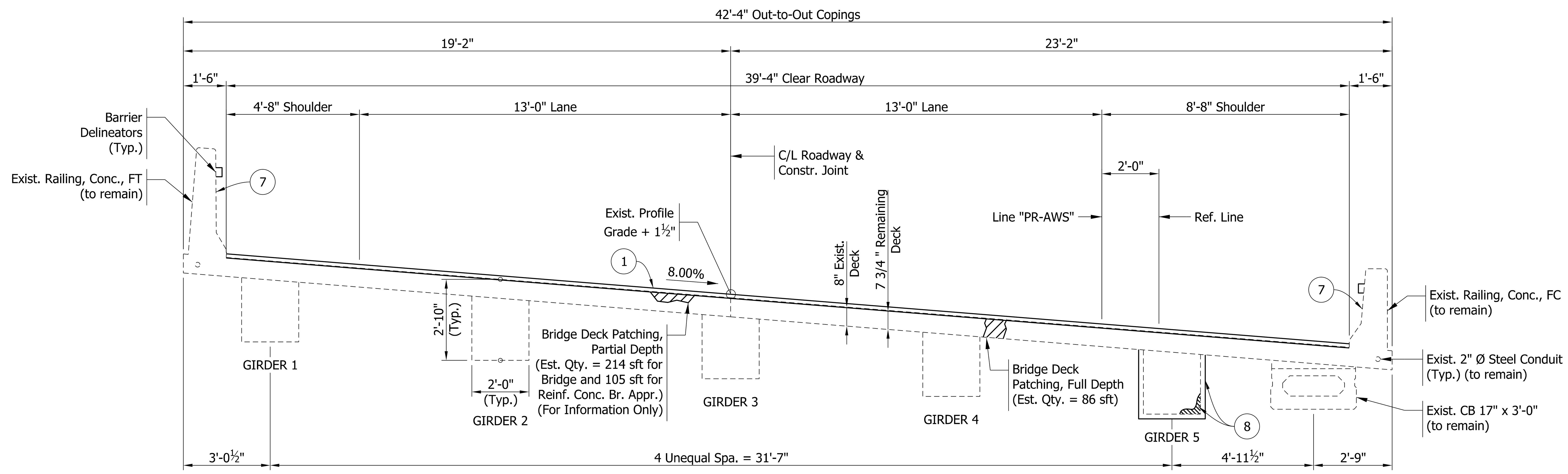
DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: KCH		DRAWN: KCH	
CHECKED: RK		CHECKED: RK	

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE		
AS NOTED	I64-123-04688 D		
VERTICAL SCALE	DESIGNATION		
AS NOTED	2200718		
SURVEY BOOK	SHEETS	PLN-01	
ELECTRONIC	6	of	8
CONTRACT	PROJECT		
R-42570	1900162		



TYPICAL BRIDGE SECTION

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

LEGEND

1. 1/4" Bridge Deck Remove Exist. Conc. Surface; Use Hydrodemolition to remove unsound concrete (Total Bridge Deck Remove Exist. Conc. Surface = 475 Sys) Construct 1 3/4" Bridge Deck Overlay (Contractor option of LMC or Microsilica) (Total Bridge Deck Overlay = 475 Sys) Perform Longitudinal Grooving on Deck
2. 1/4" Bridge Deck Remove Exist. Conc. Surface on exist. Reinf. Conc. Br. Appr.; Use Hydrodemolition to remove unsound concrete (Total Bridge Deck Remove Exist. Conc. Surface = 231 Sys) Construct 1 3/4" Bridge Deck Overlay (Contractor Option of LMC or Microsilica) (Total Bridge Deck Overlay = 231 Sys) Perform Longitudinal Grooving on Reinf. Conc. Br. Appr.
3. Install Overlay Dam at Bridge/Reinf. Conc. Br. Appr. interface
4. Fill voids under Reinf. Conc. Br. Appr. w/ Flowable Backfill (Flowable Backfill = 19 Cys per side) (Total Flowable Backfill = 38 Cys)
5. Install MGS Guardrail Transition w/ Curb (1 each) & Guardrail End Treatment, OS (31" height) (1 each)
6. Install MGS Guardrail Transition w/ Curb (1 each) & MGS Guardrail Height Transition (1 each) (Connect to existing guardrail)
7. Surface Seal existing Railing, Conc. and Railing Conc. Trans. and Install Barrier Delineators
8. Patch spalled areas and Fiber Wrap existing Concrete Girder No. 5 from edge of pavement to edge of pavement of Spring St. to I-64 WB ramp lanes
9. Install Polymer Modified Asphalt Terminal Joint
10. Crack Repair using Epoxy Injection

NOTES

1. For Bridge Plan and Elevation, see Dwg. No. PLN-01.

REINFORCED CONCRETE GIRDER BRIDGE
3 SPANS: 33'-10 1/8", 37'-4", 27'-11 3/8"
39'-4" CLEAR ROADWAY
ON CURVE
I-64 WBL RAMP 123C OVER I-64 RAMP 123D TO I-64 WB
FLOYD COUNTY

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: KCH	DRAWN: KCH		
CHECKED: RK	CHECKED: RK		

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE		
AS NOTED	I64-123-04688 D		
VERTICAL SCALE	DESIGNATION		
AS NOTED	2200718		
SURVEY BOOK	SHEETS	PLN-02	
ELECTRONIC	7	of	8
CONTRACT	PROJECT		
R-42570	1900162		

kharrison
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