R-41529 - PART 9 OF 15

PROJECT	DESIGNATION
1700135	2001607
CONTRACT	BRIDGE FILE
R-41529	I65-028-04232 A

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE REHABILITATION PLANS

FOR SPANS OVER 20 FEET

ROUTE: LAKE ROAD AT: RP 28+27

PROJECT NO. 2001607 P.E.

NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

R/W

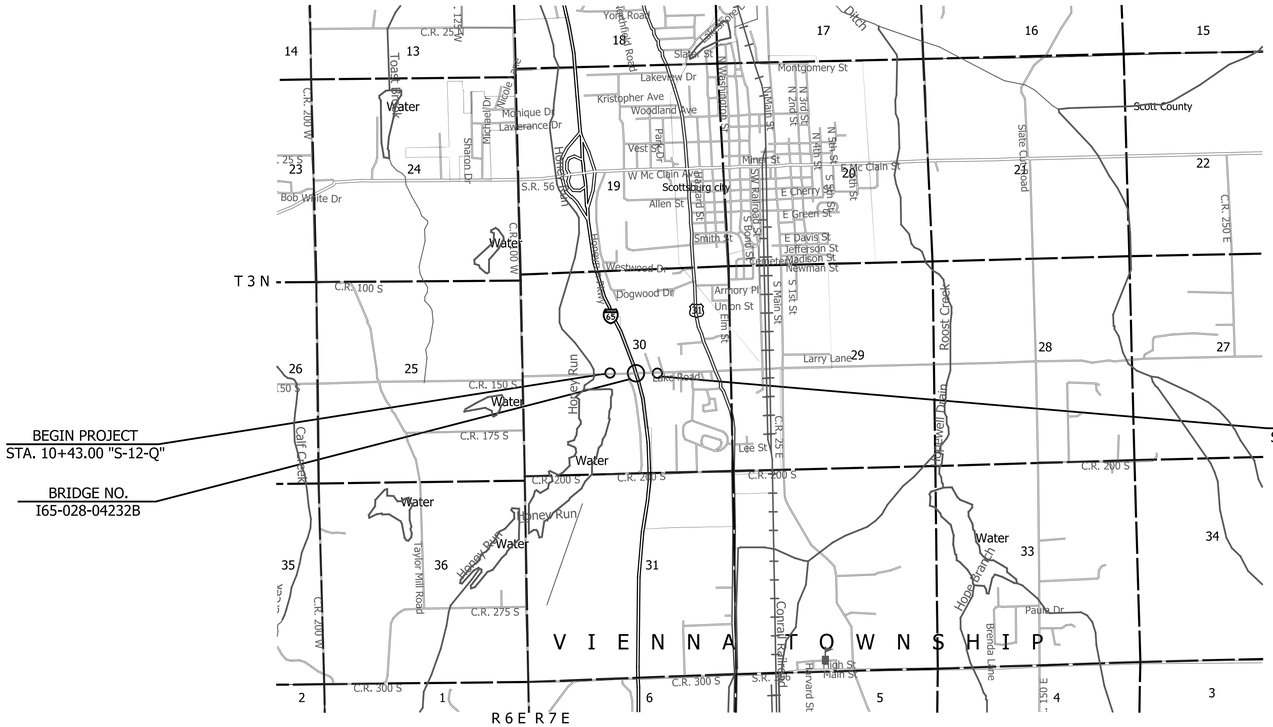
1700135 CONST.

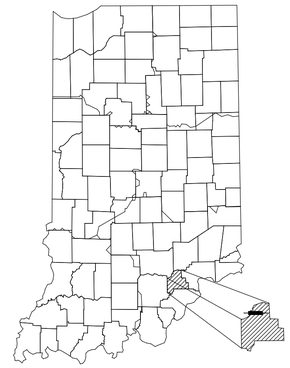
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I65-028-04232 A	CONTINUOUS COMPOSITE STEEL BEAM BRIDGE	4 Spans: 42'-8 5/16", 68'-0", 68'-0", 42'-8 5/16" Skew: 16°00'00" Lt.	I-65	12+35.8 "S-12-Q"

KIN DESIGNATION NUMBERS	
DESIGNATION	DESCRIPTION
1600729	Bridge Rehabilitation for Structure I65-017-04222 ENBL
1600733	Bridge Rehabilitation for Structure I65-017-04222 ESBL
1600744	Bridge Rehabilitation for Structure I65-016-04220 ENBL
1600750	Bridge Rehabilitation for Structure I65-016-04220 ESBL
1700135 (LEAD)	I65 Roadway Reconstruction
2001600	Bridge Rehabilitation for Structure I65-021-09939 ASBL
2001601	Bridge Rehabilitation for Structure I65-021-09940 ANBL
2001603	Bridge Rehabilitation for Structure I65-023-04227
2001604	Bridge Rehabilitation for Structure I65-024-04229 BNBL
2001605	Bridge Rehabilitation for Structure I65-024-04229 BSBL
2001607	Bridge Rehabilitation for Structure I65-024-04232 A

CULVERT ASSETS		
DES. NO.	CULVERT ASSET ID	WORK TYPE
2001593	CV I65-072-26.20	Small Structure Pipe Lining
2001594	CV I65-072-25.05	Small Structure Pipe Lining
2001595	CV I65-010-22.77	Small Structure Pipe Lining
2001596	CV I65-072-25.83	Small Structure Replacement
2001597	CV I65-010-22.65	Small Structure Paved Invert
2001598	CV I65-010-19.90	Small Structure Paved Invert
2001599	CV I65-010-18.35	Small Structure Pipe Lining

This Bridge Superstructure replacement is on Lake Road over I-65 located approximately 1.06 miles South of State Road 56 in Section 30, T 3 N, R 7 E Vienna Township, Scott County, Indiana. (38° 40' 15" N, 85° 47' 01" W)





PROJECT LOCATION SHOWN BY
SCOTT COUNTY

LATITUDE: 38°40'15" N LONGITUDE: 85°47'01" W

BRIDGE LENGTH:	0.042	MI.
ROADWAY LENGTH:	0.029	MI.
TOTAL LENGTH:	0.071	MI.
MAX. GRADE:	2.95	%

TRAFFIC DATA	LAKE ROAD	
A.A.D.T. 2023	2400	V.P.D.
A.A.D.T. 2043	2480	V.P.D.
D.H.V	304	V.P.H.
DIRECTIONAL DISTRIBUTION	53	%
TRUCKS	1.0 %	A.A.D.T.
	1.2 %	D.H.V.

DESIGN DATA		
DESIGN SPEED	45	M.P.H.
PROJECT DESIGN CRITERIA	3R NON-FREEWAY	
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR	
RURAL/URBAN	URBAN (SUBURBAN)	
TERRAIN	LEVEL	
ACCESS CONTROL	NONE	

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

AMERICAN STRUCTUREPOINT INC.
9025 RIVER ROAD, SUITE 200
INDIANAPOLIS, IN 46240
TEL 317.547.5580 FAX 317.543.0270
www.structurepoint.com

FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPT. OF TRANSPORTATION

APPROVED: _____ DATE

_____ DIVISION ADMINISTRATOR

PLANS PREPARED BY: American Structurepoint, Inc. (317) 547-5580 PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
I65-028-04232 A
DESIGNATION
2001607

SURVEY BOOK	SHEETS		
ELECTRONIC	1	of	15
CONTRACT	PROJECT		
R-41529	1700135		

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UTILITIES

Water
Scottsburg Water Dept
2 E McClain Ave
Scottsburg, IN 47170
(812) 595-0670
Contact: Todd Carter

Electric
Clark County REMC
7810 IN-60, P.O. Box L
Sellersburg, IN 47172
(812) 248-7504
Contact: Larry Edwards

Telecommunications
Frontier
24373 County Road 45
Elkhart, IN 46516
(812) 522-1502
Contact: Robert Morris

Water
Rural Membership Water Corp. of Clark Co.
301 S Ferguson Street
Henryville, IN 47126
(812) 294-1481
Contact: Matt Shields

Electric
Scottsburg Electric
2 E McClain Ave
Scottsburg, IN 47170
(812) 595-0685
Contact: Jim Binkley

Telecommunications
Zayo
9209 Castlegate Drive
Indianapolis, IN 46256
(765) 341-1199
Contact: Waylon Higgins

Water
Stucker Fork Water Utility
2260 N Hwy 31
Austin, IN 47102
(812) 794-0650
Contact: Randy Needler

Electric/Telecommunications
Jackson Co. REMC & Fiber
274 E Base Road
Brownstown, IN 47220
(812) 358-4458
Contact: Devan Jerrell

Telecommunications
Intelligent Fiber Network (IFN)
722 N High School Road
Indianapolis, IN 46214
(317) 777-7119
Contact: Shawn Wright

Sanitary Sewer
Henryville Membership Sanitation Corp.
104 E Main Street, P.O. Box 62
Henryville, IN 47126
(812) 294-1070
Contact: Doug Dunlevy

Gas
Midwest Natural Gas
1652 W McClain Avenue
Scottsburg, IN 47170
(812) 595-0633
Contact: Terry Shafer

Telecommunications
Insight Communications
10168 Linn Station Road, Ste. 120
Louisville, IN 40223
(502) 410-7192
Contact: Kevin Mercer

Sanitary Sewer
Scottsburg Wastewater
2 E McClain Ave
Scottsburg, IN 47170
(812) 820-5148
Contact: Chase Hardin

ITS
INDOT
8620 E. 21st Street
Indianapolis, IN 46219
(317) 503-4020
Contact: Drew Sorenson

Telecommunications
MCI Communication Services, Inc.
720 West Henry Street
Indianapolis, IN 46225
(518) 424-3950
Contact: Ron Kocienski

GENERAL NOTES

**	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. _____ and Sta. _____, shall be removed as directed.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.
	All limited access right-of-way (L.A. R/W) is to be fenced with chain link type fence (CLTF) or farm field type fence (FFTF) where specified in the plans.
	Contractor shall verify existing flowline elevations to set the appropriate sump depth.

** REPRESENTS GENERAL NOTES REQUIRED

INDEX

SHEET NO.	DRAWING INDEX
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3	TYPICAL SECTIONS
4	DETOUR PLAN
5	LAYOUT
6-7	GENERAL PLAN
8	BRIDGE SUMMARY OF QUANTITIES
9-15	CROSS SECTIONS - LINE "S-12-Q"

REVISIONS

SHEET NO.	DATE	REVISED

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: KRW DRAWN: KRW
CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX AND GENERAL NOTES

HORIZONTAL SCALE	BRIDGE FILE
N/A	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
N/A	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	2 of 15
CONTRACT	PROJECT
R-41529	1700135

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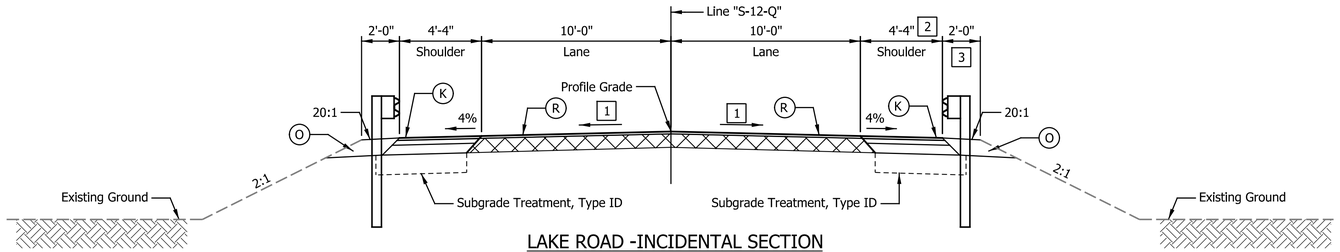


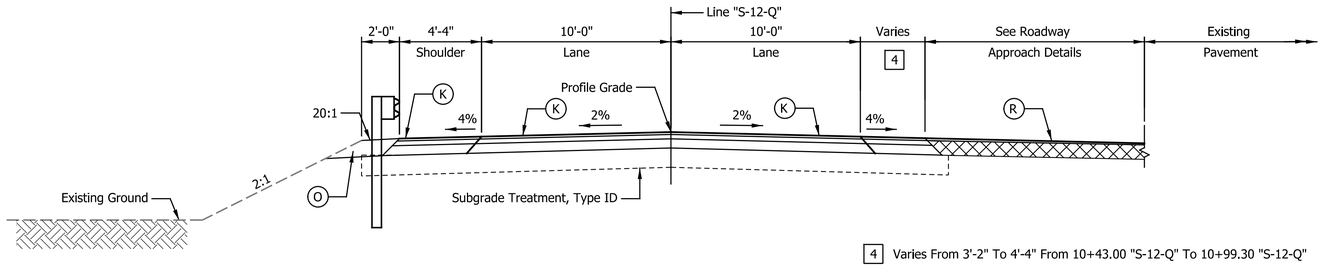
LAKE ROAD -INCIDENTAL SECTION

9+83.00 "S-12-Q" To 10+43.00 "S-12-Q"
14+20.00 "S-12-Q" To 14+80.00 "S-12-Q"

1 Varies from Existing to 2% From 9+83.00 "S-12-Q" To 10+43.00 "S-12-Q"
Varies from 2% to Existing From 14+20.00 "S-12-Q" To 14+80.00 "S-12-Q"

2 3'-0" From 9+83.00 "S-12-Q" To 10+34.96 "S-12-Q"
Varies from 3'-0" to 3'-2" From 10+34.96 "S-12-Q" To 10+43.00 "S-12-Q"

3 1'-0" From 9+83.00 "S-12-Q" To 10+43.00 "S-12-Q"



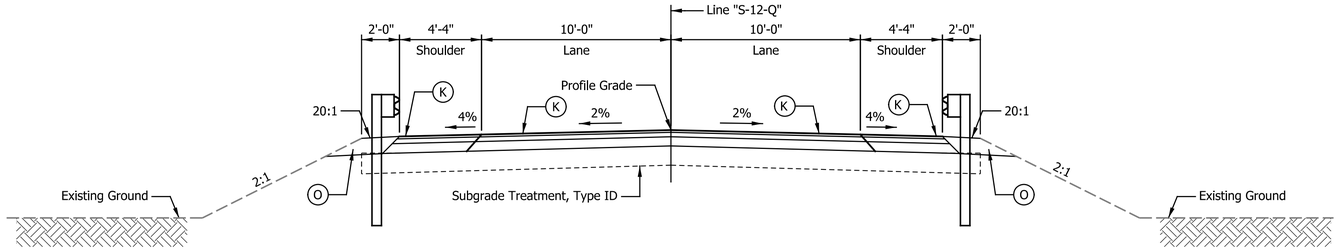
4 Varies From 3'-2" To 4'-4" From 10+43.00 "S-12-Q" To 10+99.30 "S-12-Q"

LAKE ROAD - LINE "S-12-Q"

10+43.00 "S-12-Q" To 10+99.30 "S-12-Q"

PAVING EXCEPTIONS
10+99.30 "S-12-Q" To 13+71.80 "S-12-Q"

NOTE TO REVIEWER:
ROADWAY APPROACH DETAILS WILL BE INCLUDED AT FINAL PLANS.



LAKE ROAD - LINE "S-12-Q"

13+71.80 "S-12-Q" To 14+20.00 "S-12-Q"

LEGEND

(K) 165 #/Syd QC/QA-HMA, 2, 64, Surface 9.5 mm, on
275 #/Syd QC/QA-HMA, 2, 64, Intermediate 19.0 mm, on
660 #/Syd QC/QA-HMA, 2, 64, Base 19.0 mm, on
Subgrade Treatment, Type ID

(R) 165 #/Syd. QC/QA-HMA, 2, 64, Surface, 9.5 mm, on Milling, 1.5"

(O) Variable Depth Compacted Aggregate for Shoulder, No. 53

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: GSJ DRAWN: KRW

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
¼" = 1'-0"	165-028-04232 A
VERTICAL SCALE	DESIGNATION
¼" = 1'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 15
CONTRACT	PROJECT
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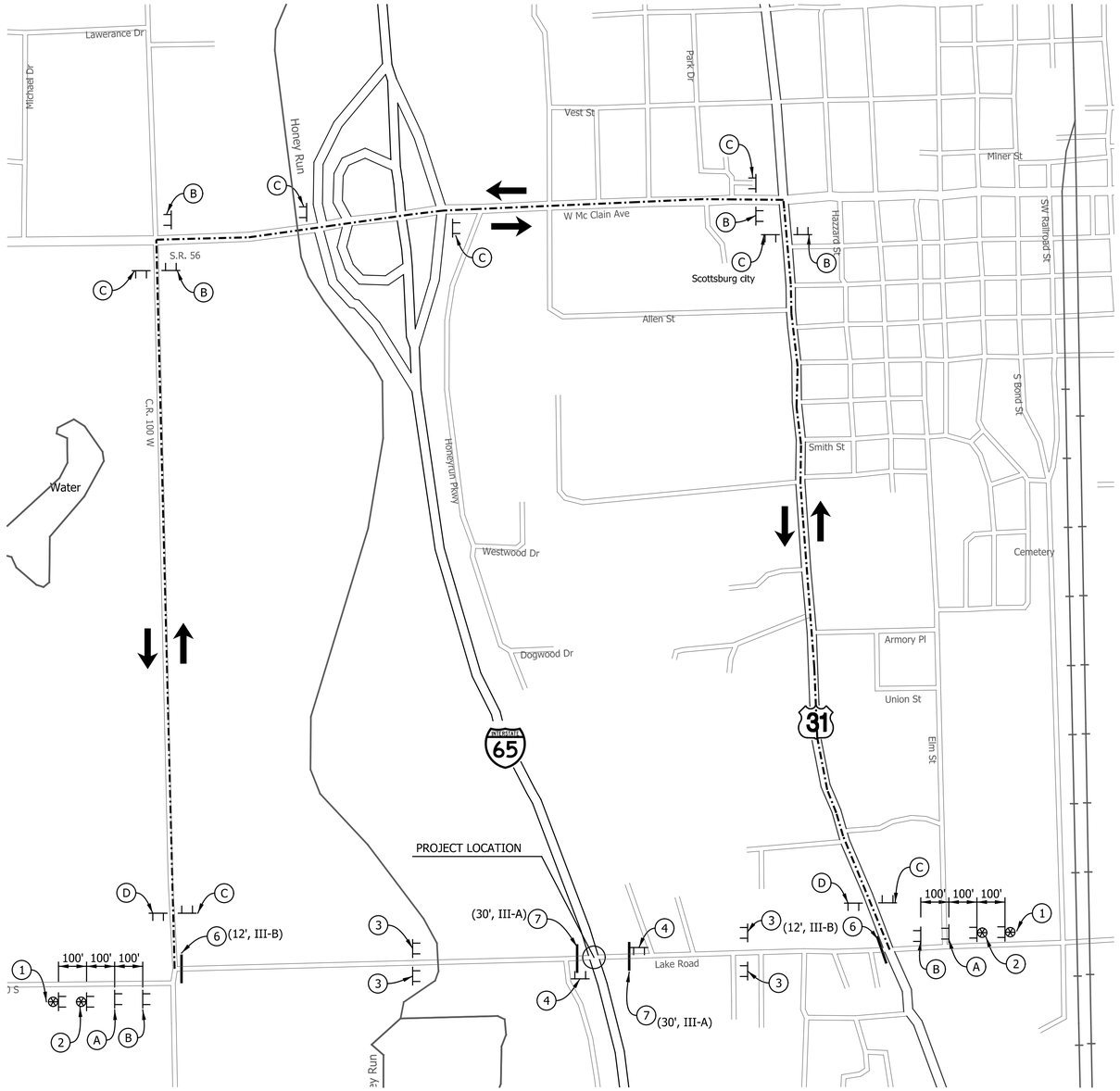
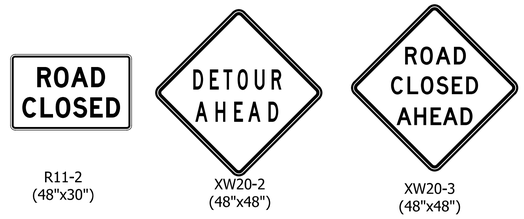


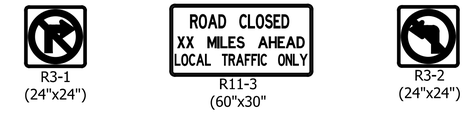
PLAN



R11-2 (48"x30")

XW20-2 (48"x48")

XW20-3 (48"x48")



R3-1 (24"x24")

R11-3 (60"x30"

R3-2 (24"x24")

XM4-10(L) (24"x12")

XM4-10(R) (24"x12")

QUANTITY SUMMARY		
Detour Route Marker Assembly	*	Each
Construction Sign, Type A	*	Each
Construction Sign, Type B	*	Each
Type III-A Barricade	60	Lft.
Type III-B Barricade	24	Lft.
Road Closure Sign Assembly	*	Each

LEGEND

1. XW20-3 Road Closed Ahead
2. XW20-2 Detour Ahead
3. XW20-3 Road Closed Ahead
4. R3-1 No Right Turn
5. R3-2 No Left Turn
6. Type III-B Barricades W/ Road Closure Sign Assembly Req'd (R11-3), & XM4-10 (R) Of (L)
7. Type III-A Barricades W/ Road Closure Sign Assembly Req'd (R11-2)

Construction Sign W/Type A Warning Light

Detour Route Marker Assembly

Detour Route

Flow Arrow

NOTES:

For Detour Route Marker Assemblies (A), (B), (C) & (D), see Standard Drawing E801-TCDT-04.

For Detour Details, see Standard Drawings E801-TCDT-01 thru 03.

For Traffic Control Device Details, see Standard Drawing E801-TCDV-04 thru 08.

Two "Road Closure Notice" Signs (XG20-5) Shall Be Placed Prior to Road Closure as Directed by the Engineer.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: KRW DRAWN: KRW

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 500'	165-028-04232 A
VERTICAL SCALE	DESIGNATION
	2001607

SURVEY BOOK	SHEETS
ELECTRONIC	4 of 15
CONTRACT	PROJECT
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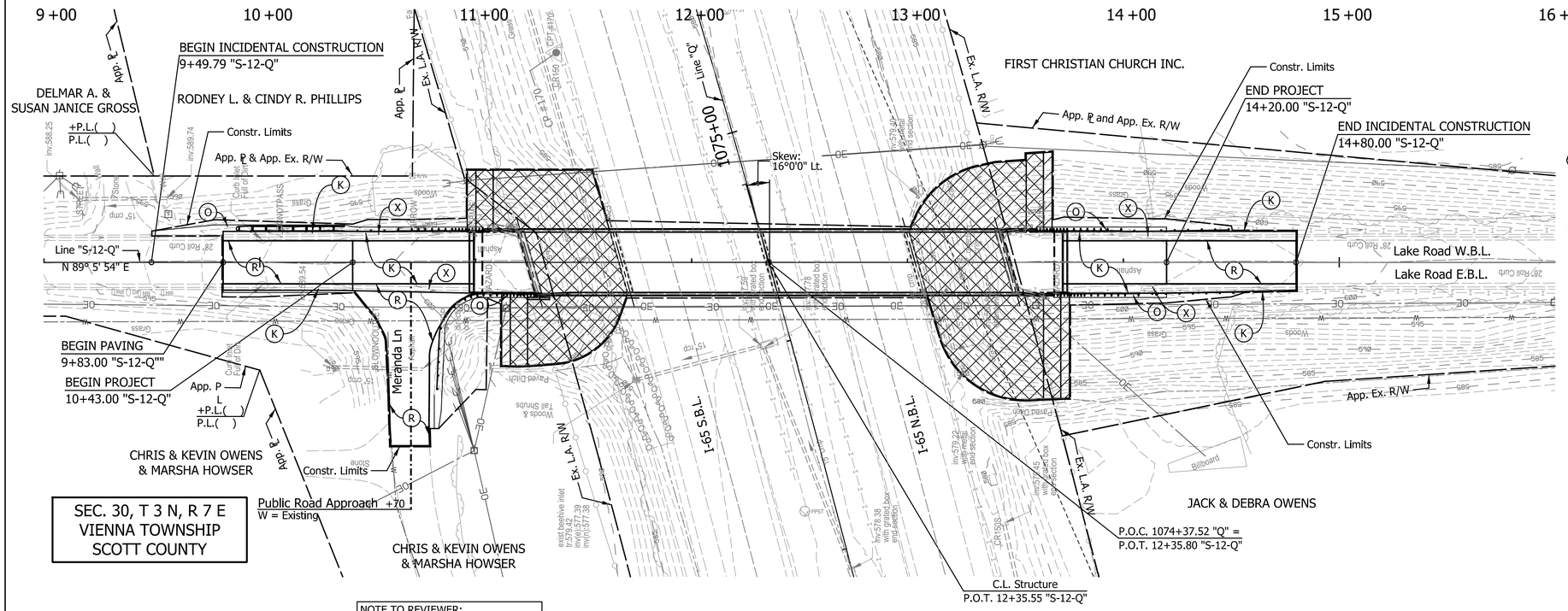
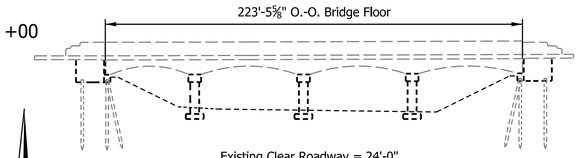


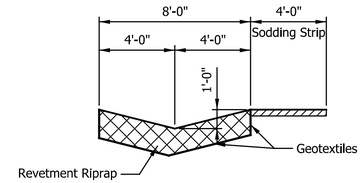
SITUATION PLAN

Scale: 1" = 30'-0", Contour Interval 1'-0"



EXISTING STRUCTURE

(To Be Partially Removed)
No Scale



TYPICAL RIPRAP DRAINAGE TURNOUT SECTION

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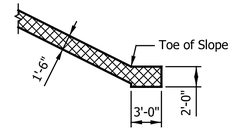

TYPICAL RIPRAP DRAINAGE TURNOUT SECTION

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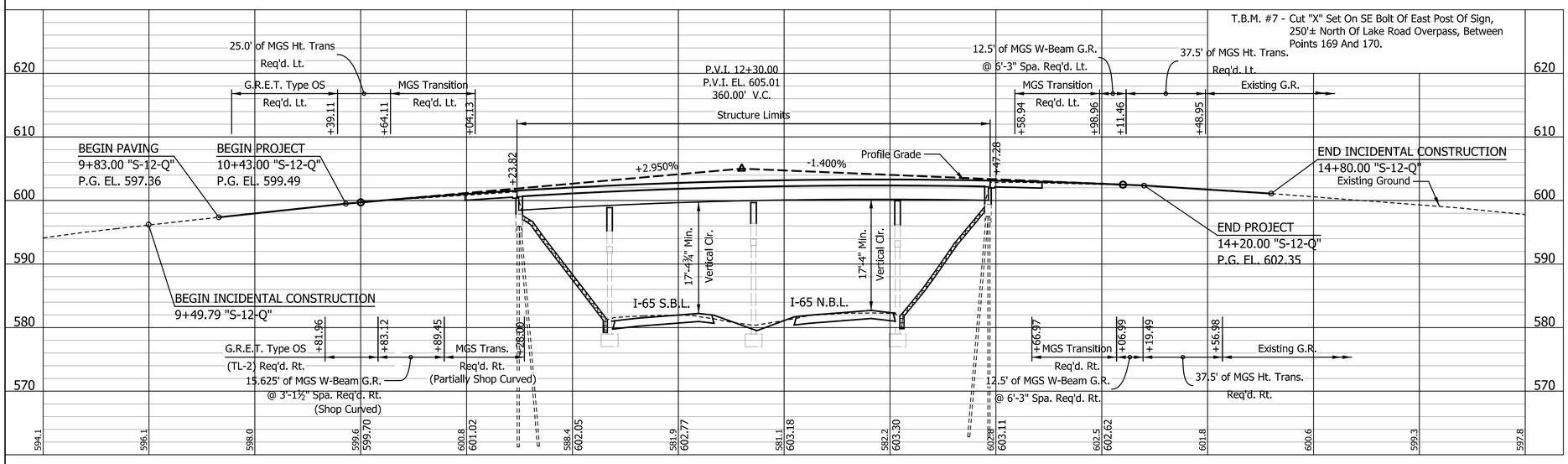


PROFILE ON PROPOSED ℄ ROADWAY

Scales: 1" = 30'-0" Horizontal, 1" = 10'-0" Vertical

NOTES:

All R/W on this sheet is described from Line "S-12-Q".

For additional alignment references Earthwork, and benchmarks, see Road Plans.

Cross-Hatched areas indicate limits of 18" Revetment Riprap over Geotextiles. (Est. Qty. = * Tons of 18" Revetment Riprap over * Sys. of Geotextiles)

Hatched areas indicate limits of 4' wide sodding strip. (Est. Qty. = * Sys.)

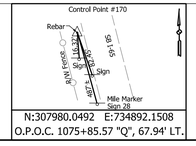
CONTINUOUS COMPOSITE STEEL BEAM BRIDGE

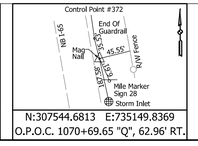
4 SPAN: 42'-8⁹⁄₁₆", 2 @ 68'-0", 42'-8⁹⁄₁₆" SKEW: 16°00'00" LT CLEAR ROADWAY: 28'-0"
LAKE ROAD OVER I-65
SCOTT COUNTY

LEGEND

Ⓚ, Ⓡ, and Ⓞ See Typical Section Sheet

Ⓧ Curb, Concrete Removal





RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: GSJ DRAWN: KRW

CHECKED: RTA CHECKED: RTA

INDIANA DEPARTMENT OF TRANSPORTATION

LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
AS NOTED	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 15
CONTRACT	PROJECT
R-41529	1700135

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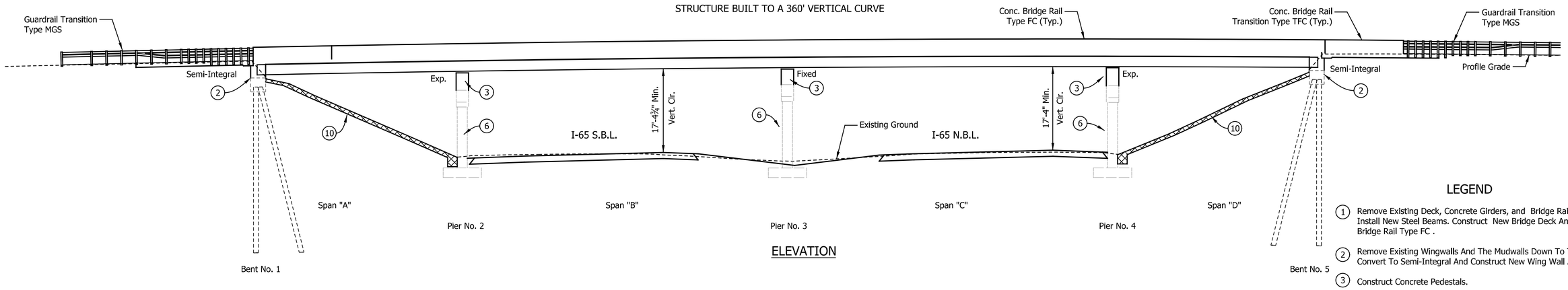
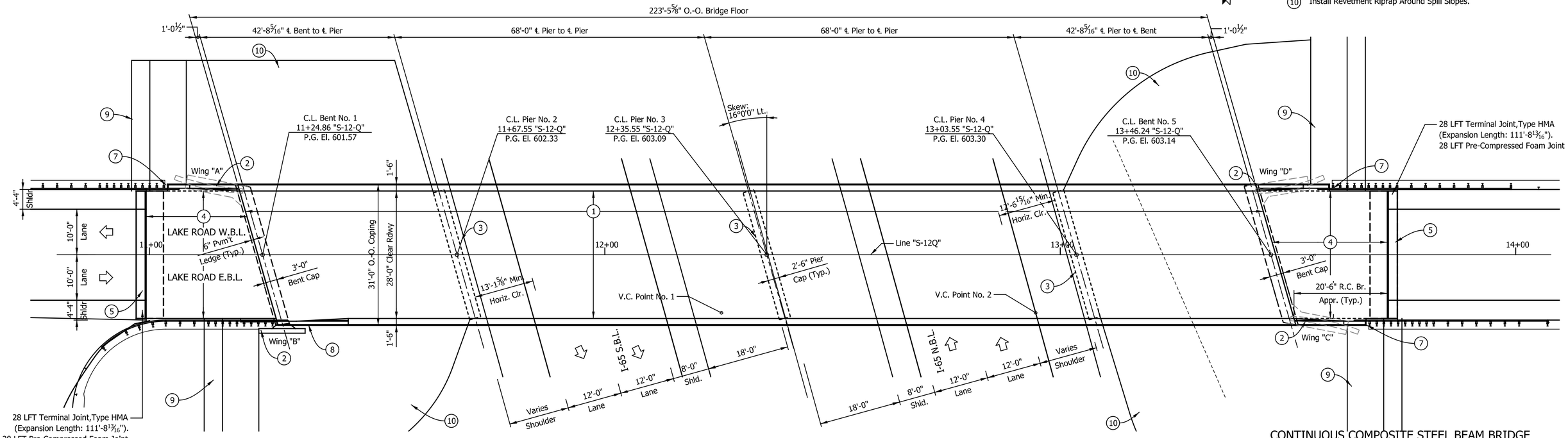
STRUCTURE BUILT TO A 360' VERTICAL CURVE



ELEVATION

LEGEND

1. Remove Existing Deck, Concrete Girders, and Bridge Railing. Install New Steel Beams. Construct New Bridge Deck And Concrete Bridge Rail Type FC .
2. Remove Existing Wingwalls And The Mudwalls Down To The Cap. Convert To Semi-Integral And Construct New Wing Wall As Needed.
3. Construct Concrete Pedestals.
4. Remove Existing Bridge Approaches and Construct New Full Width R.C. Bridge Approach.
5. Construct Terminal Joint and Sleeper Slab.
6. Concrete Patching as Directed by Engineer.
7. Remove Existing Guardrail, Construct New Concrete Bridge Rail Transitions Type TFC, Install New MGS Guardrail Transitions.
8. Remove Existing Guardrail, Construct New Concrete Bridge Rail Transition Type TFC, Install New MGS Guardrail Transition Shop Curved and Shop Curved W-Beam.
9. Construct New Turnout and Sodding Strip.
10. Install Revetment Riprap Around Spill Slopes.



PLAN

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE

4 SPAN: 42'-8⁵⁄₁₆", 2 @ 68'-0", 42'-8⁵⁄₁₆" SKEW: 16°00'00" LT. CLEAR ROADWAY: 28'-0"
LAKE ROAD OVER I-65
SCOTT COUNTY

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: GSJ DRAWN: KRW

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
3/32" = 1'-0"	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
3/32" = 1'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 15
CONTRACT	PROJECT
R-41529	1700135

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Indiana_Shad6.tbl

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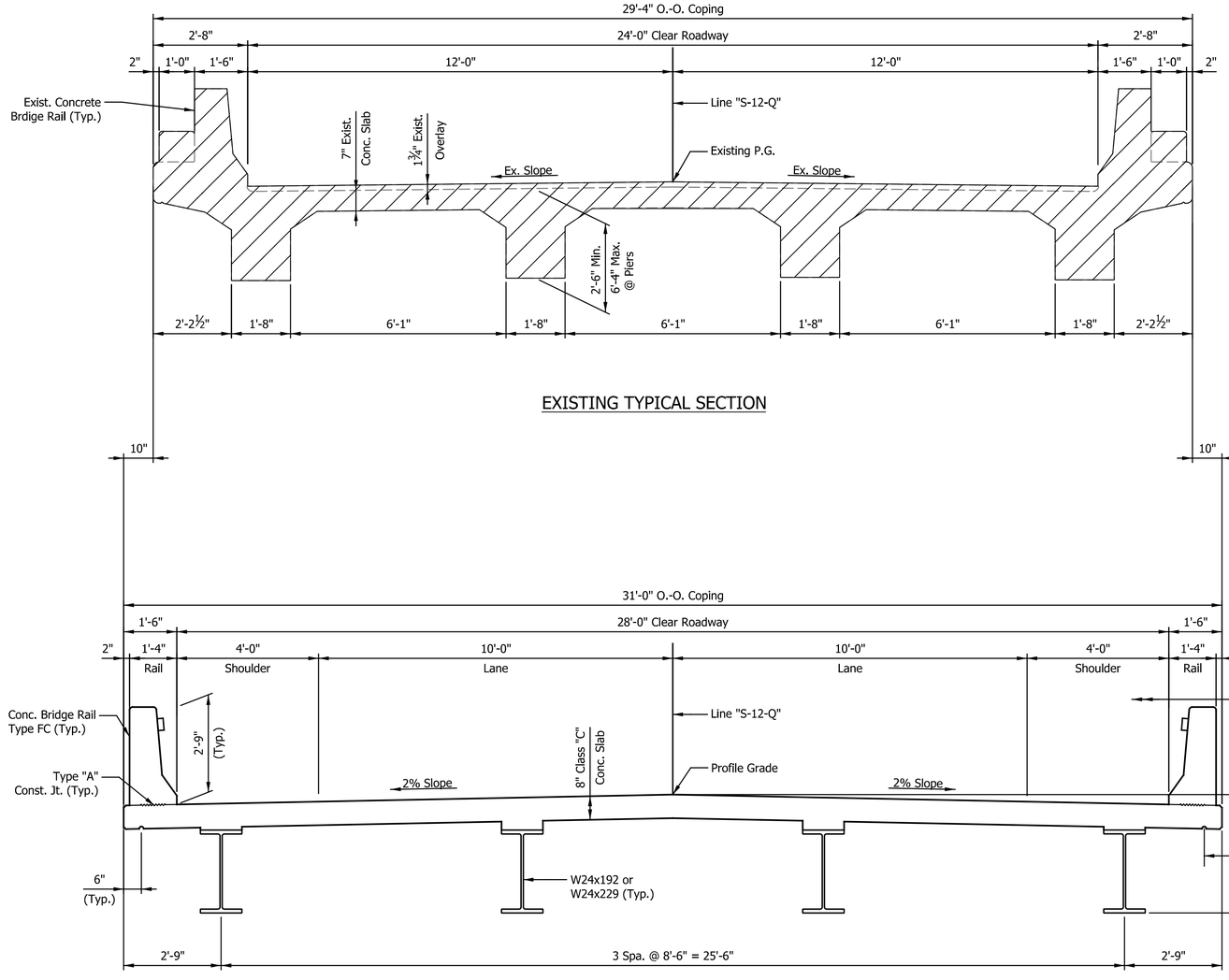


EXISTING TYPICAL SECTION

PROPOSED TYPICAL SECTION

GENERAL NOTES

Reinforcing steel covering to be 2½" in the top and 1" minimum in the bottom of floor slabs, 3" in the footings except the bottom steel which shall be 4", and 2" in all other parts, unless noted.

DESIGN DATA

LIVE LOAD:	Beams & Deck designed for HL-93 loading in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition. Substructure checked for HS20-44 & military loading with impact and distribution of loads in accordance with AASHTO Standard Specifications for Highway Bridges, Seventeenth Edition, 2002.
DEAD LOAD:	Actual Weight plus 35 Lbs./Sft. for future wearing surface and 15 Lbs./Sft. for permanent metal deck forms.
FLOOR SLAB:	Designed for 16,000 Lbs. wheel load impact with a structural depth of 7½".
UNIT STRESSES:	Reinforcing Steel, Fy = 60,000 psi Concrete Class B, f'c = 3,000 psi Concrete Class A, f'c = 3,500 psi Concrete Class C, f'c = 4,000 psi
ALLOWABLE STRESSES:	In accordance with 2002 AASHTO Specifications using Load Factor Design Method.

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the constructions loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of the exterior girder. The finishing machine was assumed to be supported 6" outside the vertical coping form. The top overhang brackets were assumed to be located 6" 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.

Contractor will be required to install temporary lateral supports between permanent steel diaphragms. Tie-rods and timber blocking shall be placed every 4'-0" (Max.) as required to limit rotation and deflection of the exterior girders.

DESIGN DATA

DECK FALSEWORK LOADS:	Designed for 15 Lbs./Sft. for permanent metal stay-in-place deck forms, removable deck forms, and 2' exterior walkway.
CONSTRUCTION LIVE LOAD:	Designed for 20 Lbs./Sft. extending 2' past the edge of coping and 75 Lbs./Ft. vertical force applied at a distance of 6" outside the face of coping over a 30' length of the deck centered with the finishing machine.
FINISHING-MACHINE LOAD:	4500 Lbs. distributed over 10' along the coping.
WIND LOAD:	Structure designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

Indicates Limits of Removal

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE

4 SPAN: 42'-8 5/16", 2 @68'-0", 42'-8 5/16" SKEW: 16°00'00" Lt. CLEAR ROADWAY: 28'-0"
LAKE ROAD OVER I-65
SCOTT COUNTY

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: GSJ DRAWN: KRW

CHECKED: RTA CHECKED: RTA

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
½" = 1'-0"	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
½" = 1'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 15
CONTRACT	PROJECT
R-41529	1700135

Indy-Prof.dgnlib
Indiana_Shade.tbl

kwheelock 4/15/2022 4:21:44 PM P:\2019\00172\D. Drawings\201900172.0600.BR.GPL.02.dgn

SUMMARY OF BRIDGE QUANTITIES

ITEM	CONCRETE				RAILING CONCRETE, FC	CONC. BRIDGE RAILING TRAN.,TBT	RAILING, PS-2	REINF. CONC. BRIDGE APPR., 10"	REINF. CONC. BRIDGE APPR., 12"	DENSE GRADED SUBBASE	REINF. STEEL	EPOXY COATED REINF. STEEL	STRUC-TURAL STEEL ***	ANCHOR PLATE	PILES												EXP. JOINT TYPE SS	CONC. STR. MEMBERS		ANCHOR BOLT	BARRIER DELIN-EATOR	FIELD DRILLED HOLES IN CONCRETE	CONDUIT, PVC, 4"	SURFACE SEAL *	THREADED TIE BAR ASSEMBLY	FIELD DRILLED HOLES	CAST IRON, GRATES, BASINS & FITTINGS	INTEGRAL CONC. CURB
	CLASS C SUPERSTR.	CLASS A SUBSTR.	CLASS B FOOTINGS	CLASS C SUBSTR.											EPOXY COATED SHELLS		TEST, DYNAMIC, PRODUCTION		CONC., STEEL SHELL ENCASED		STEEL H		SHOE, HP ??x??	SLEEVES	TEST PILE, DYNAMIC, RESTRIKE	CORED HOLE IN ROCK, 18"			BOX BEAM TYPE & SIZE	I BEAM TYPE & SIZE									
	CYS.	CYS.	CYS.	CYS.	LFT.	EACH	LFT.	SYS.	SYS.	CYS.	LBS.	LBS.	LBS.	EACH	NO.	LFT.	NO.	LFT.	NO.	LFT.	NO.	LFT.	EACH	EACH	EACH	NO.	LFT.	LFT.	LFT.	EACH	EACH	EACH	LFT.	SFT.	EACH	EACH	LBS.	SFT.
SUPERSTRUCTURE	1				431							351463	1																		1			1	32			
R.C. BRIDGE APPROACHES																																						
Bent No. 1						1			1	1		5039																			1			1				
Bent No. 5						1			1	1		5269																			1			1				
TOTALS	1				431	2			2	2		361771	1																		3			3	32			

PAVEMENT QUANTITIES AND APPROACH TABLE

	LOCATION LINE ____	DESCRIPTION	WIDTH	RADII	GRADE	LENGTH	DISTANCE BEYOND R/W FT.	EXCAVATION (CYS.)		MAINLINE 9.5 mm, HMA SURFACE	INTERMEDIATE 19.0 mm, MAINLINE HMA	HMA BASE 25.0 mm, MAINLINE	ASPHALT FOR TACK COAT	ASPHALT FOR PRIME COAT	CONCRETE CURB	SIDEWALK CONCRETE
LT/RT	STATION		FT.	FT.	%	FT.		CUT	FILL	? LBS./SYD.	? LBS./SYD.	? LBS./SYD.	TONS	TONS	SYS.	SYS.

PAVED SIDE DITCH, RIPRAP DITCH AND SODDING SUMMARY

LT. OR RT.	STATION TO STATION	PAVED SIDE DITCH (LIN. FT.)								SODDING (SQ. YDS.)				RIPRAP	
		TYPE	PAY LENGTH	NO. OF LUGS	PAY LENGTH	CUT OFF WALLS	PAY LENGTH	TOTAL PAY LENGTH	FOR PSD	FOR DITCHES	SHOULDERS	OTHER	TOTAL SOD	REVETMENT TONS	GEOTEXTILES SQ. YD.

STRUCTURE SUMMARY

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE	DESCRIPTION TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	FLOW LINE COVER	FLOW LINE UP STREAM	FLOW LINE DOWN STREAM	CONC. CL. A IN STRS.	STRUCTURE BACKFILL	METHOD OF BACKFILL	THICKNESS STEEL.*	THICKNESS ALUM.*	VELOCITY	RIPRAP	PIPE END SECTION	REINF. STEEL	REMARKS
					INCHES			FT.		FT.	ELEV.	ELEV.	CU. YDS.	CU. YDS.					SYS.	EACH	LBS.	
																						Total Of Reinf. Steel Carried To "Structure Quantities"

TEMPORARY EROSION AND SEDIMENT CONTROL SUMMARY

LT. OR RT.	STATION TO STATION	PERIMETER PROTECTION LIN. FT.	DRAINAGE BARRIER LIN. FT.	INTERCEPTOR DITCH LIN. FT.	SLOPE DRAIN LIN. FT.	STRAW BALE DITCH CHK LIN. FT.	RIPRAP DITCH CHK LIN. FT.	SEDIMENT TRAP CU. YDS.	SEDIMENT CU. YDS. BASIN	CULVERT PIPE PROTECTION EACH	DROP INLET PROTECTION EACH	EACH PROTECTION CURB INLET
	TOTALS											

GUARDRAIL SUMMARY TABLE

LOCATION FROM STATION	LOCATION TO STATION	LOCATION LT. OR RT.	W-BEAM GUARDRAIL LENGTH AT 6'-3 SPA. STANDARD POST	W-BEAM GUARDRAIL LENGTH STANDARD POST AT 3'-1½" SPA.	W-BEAM GUARDRAIL LENGTH STANDARD POST AT ____ SPA.	W-BEAM GUARDRAIL LENGTH NESTED GUARDRAIL	FLARE RATE GUARDRAIL	GUARDRAIL TRANSITION TYPE	GUARDRAIL TRANSITION EACH	GUARDRAIL END TREATMENT TYPE	GUARDRAIL END TREATMENT EACH	CURVED W-BEAM GUARDRAIL SYSTEM TERMINAL SYSTEM TYPE	CURVED W-BEAM GUARDRAIL SYSTEM TERMINAL SYSTEM EACH	CURVED W-BEAM GUARDRAIL SYSTEM CONNECTOR SYSTEM TYPE	CURVED W-BEAM GUARDRAIL SYSTEM CONNECTOR SYSTEM EACH	GUARDRAIL REMOVE	RESET GUARDRAIL	REMARKS
			LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.		TYPE	EACH	TYPE	EACH	TYPE	EACH	TYPE	EACH	LIN. FT.	LIN. FT.	
10+39.11 "S-12-Q"	11+04.13 "S-12-Q"	LT.	25.00					MGS	1	OS	1					130		
10+81.96 "S-12-Q"	11+28.00 "S-12-Q"	RT.		15.625				MGS	1	OS (TL-2)	1					72		MGS Trans. (Partially Shop Curved) R=20.5'
																		MGS W-Beam (Shop Curved) R=20.5'
13+58.94 "S-12-Q"	14+48.95 "S-12-Q"	LT.	37.50					MGS	1							105		
13+66.97 "S-12-Q"	14+56.98 "S-12-Q"	RT.	12.50					MGS	1							105		
TOTALS			75	15.625					4		2					412		

RESET MAILBOX TABLE

LOCATION	LEFT	RIGHT	SINGLE	DOUBLE
TOTALS				

REVISIONS

DATE	ITEM

NOTES :

Weight of Spirals includes weight of 1½ extra turns top and bottom.

Spacers and 1½ turns at laps included in cost of Spiral.

* Estimated Quantity, to be paid for as "LSUM".

** If the Contractor elects to use metal pipe, the thickness shall be as shown in the Approach Quantity Table.

*** The weight of structural steel is approximate only, and it shall be the Contractor's responsibility to determine the weight on which he bases his bid.

For Test Bar Samples, see Bridge Standard 703-BRST-01.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: KRW DRAWN: KRW

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

BRIDGE SUMMARY OF QUANTITIES

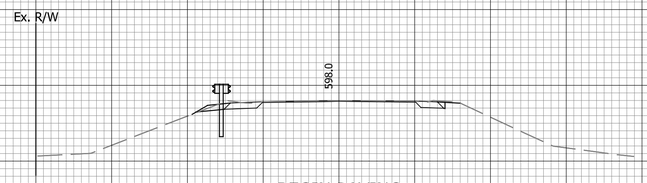
HORIZONTAL SCALE	BRIDGE FILE
N/A	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
N/A	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	8 of 15
CONTRACT	PROJECT
R-41529	1700135

CROSS SECTIONS

Scale: 1 inch = 10 feet

CUT 150 140 130 120 110 100 90 80 70 60 50 40 30 20

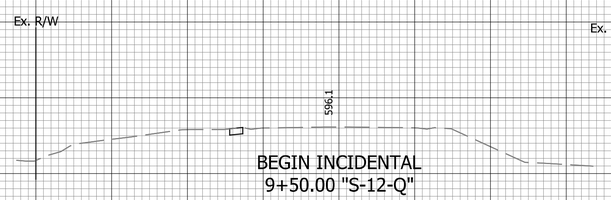
FILL 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160



610
600
590

10 + 00

BEGIN PAVING
9+83.00 "S-12-Q"



610
600
590

9 + 50

BEGIN INCIDENTAL
9+50.00 "S-12-Q"

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BNM DRAWN: BNM

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-12-Q"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'-0"	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
1" = 10'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 15
CONTRACT	PROJECT
R-41529	1700135

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Indiana_Shade.tbl

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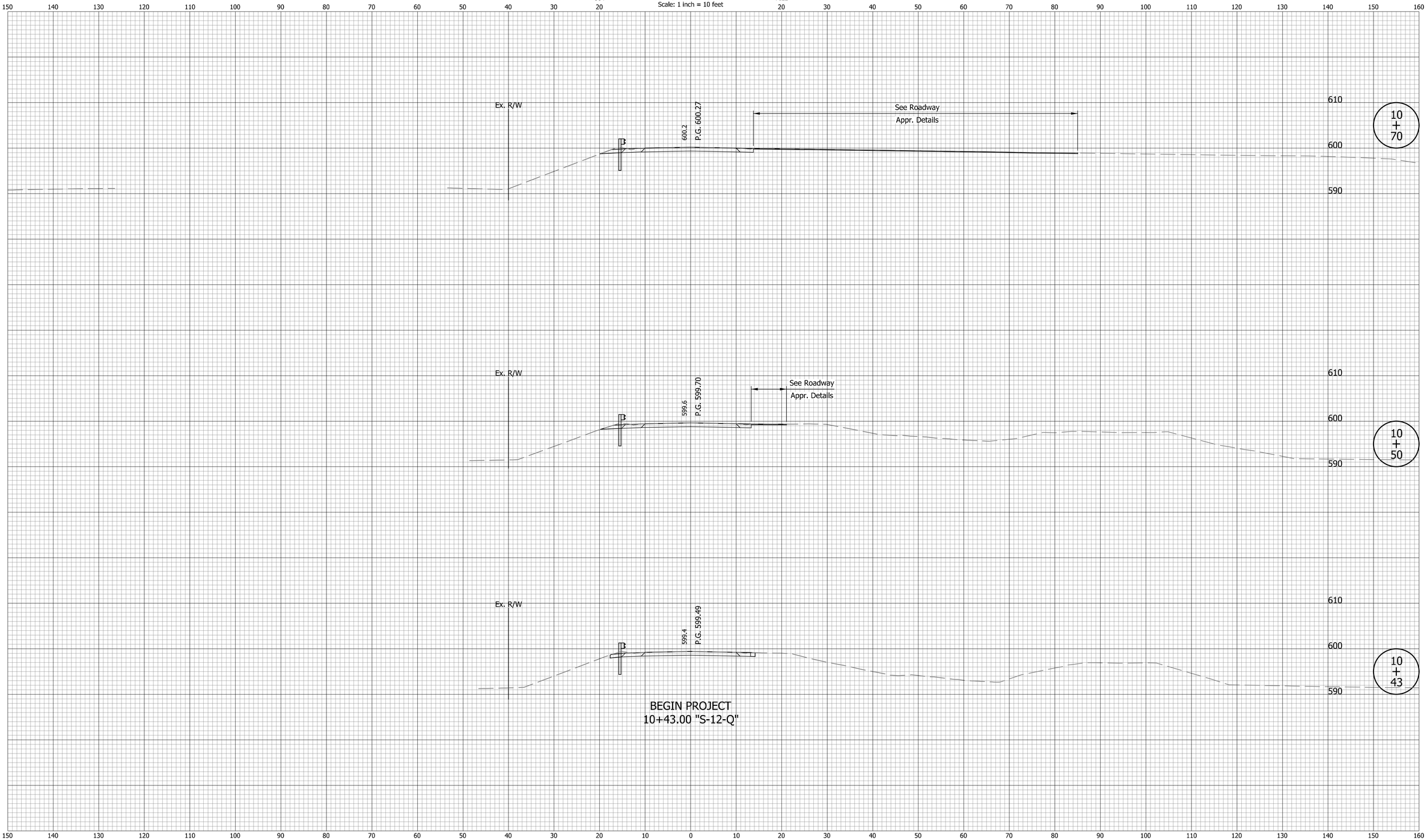
CROSS SECTIONS

Scale: 1 inch = 10 feet

CUT 150 140 130 120 110 100 90 80 70 60 50 40 30 20

FILL 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

DATE	REVISION

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: BNM DRAWN: BNM

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-12-Q"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'-0"	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
1" = 10'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 15
CONTRACT	PROJECT
R-41529	1700135

Indy-ndf.dfcfg
Indiana_Shade.tbl

kwheelock 4/15/2022 4:22:39 PM P:\2019\00172\D. Drawings\201900172.0600.BR.CS.01.dgn

CROSS SECTIONS

Scale: 1 inch = 10 feet

CUT 150 140 130 120 110 100 90 80 70 60 50 40 30 20

FILL 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

610
600
590
580

11 + 50

588.4
P.G. 602.05

610
600
590

11 + 00

Ex. L.A. R/W
Ex. Fence

600.8
P.G. 601.02

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

DATE	REVISION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: BNM DRAWN: BNM

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-12-Q"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'-0"	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
1" = 10'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 15
CONTRACT	PROJECT
R-41529	1700135

Indy-Pdf.dfcfg
Indiana_Shade.tbl

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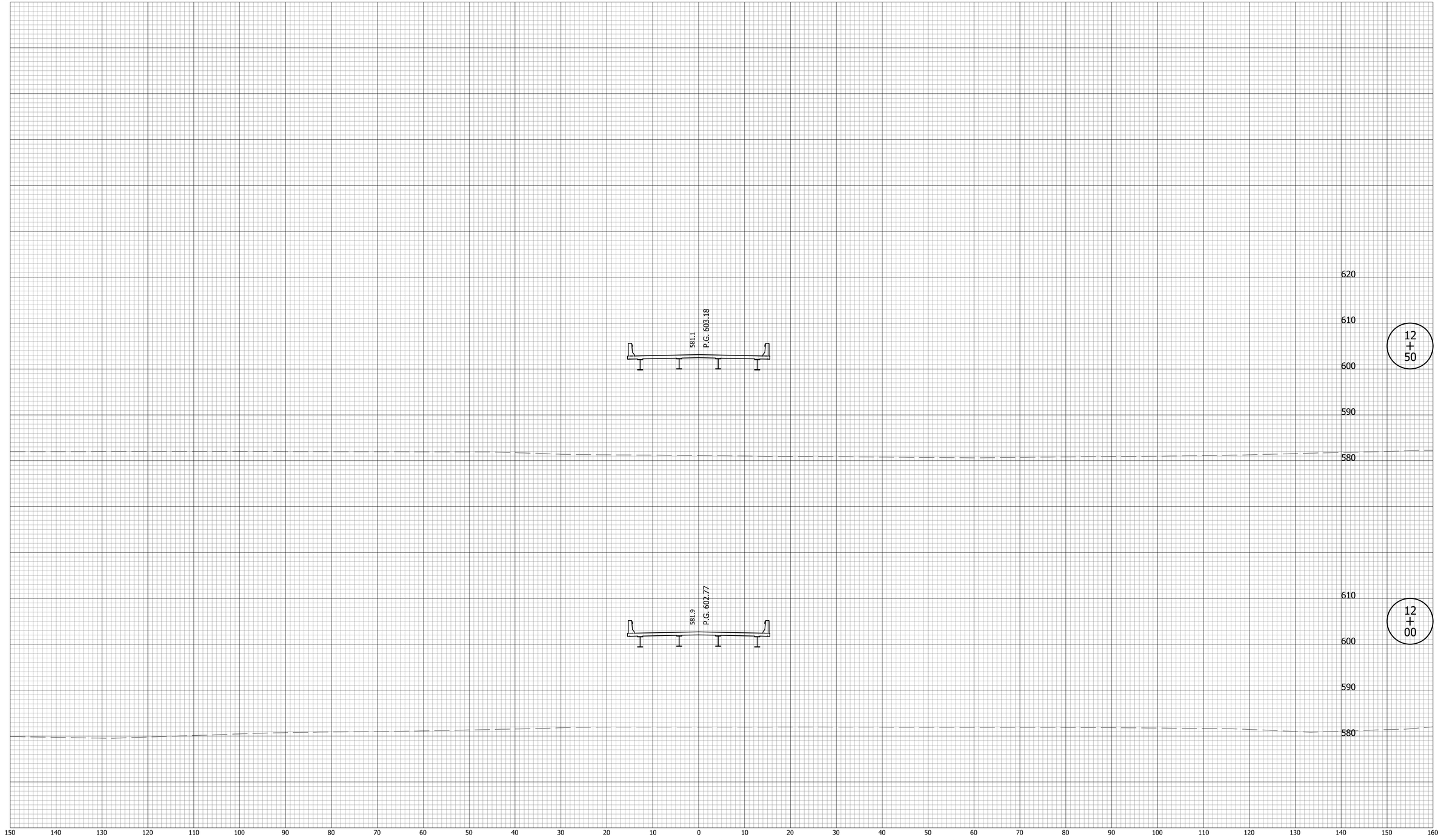
CROSS SECTIONS

Scale: 1 inch = 10 feet

CUT

FILL



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BNM DRAWN: BNM

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-12-Q"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'-0"	165-028-04232 A
VERTICAL SCALE	DESIGNATION
1" = 10'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 15
CONTRACT	PROJECT
R-41529	1700135

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Indiana_Sheet.tbl

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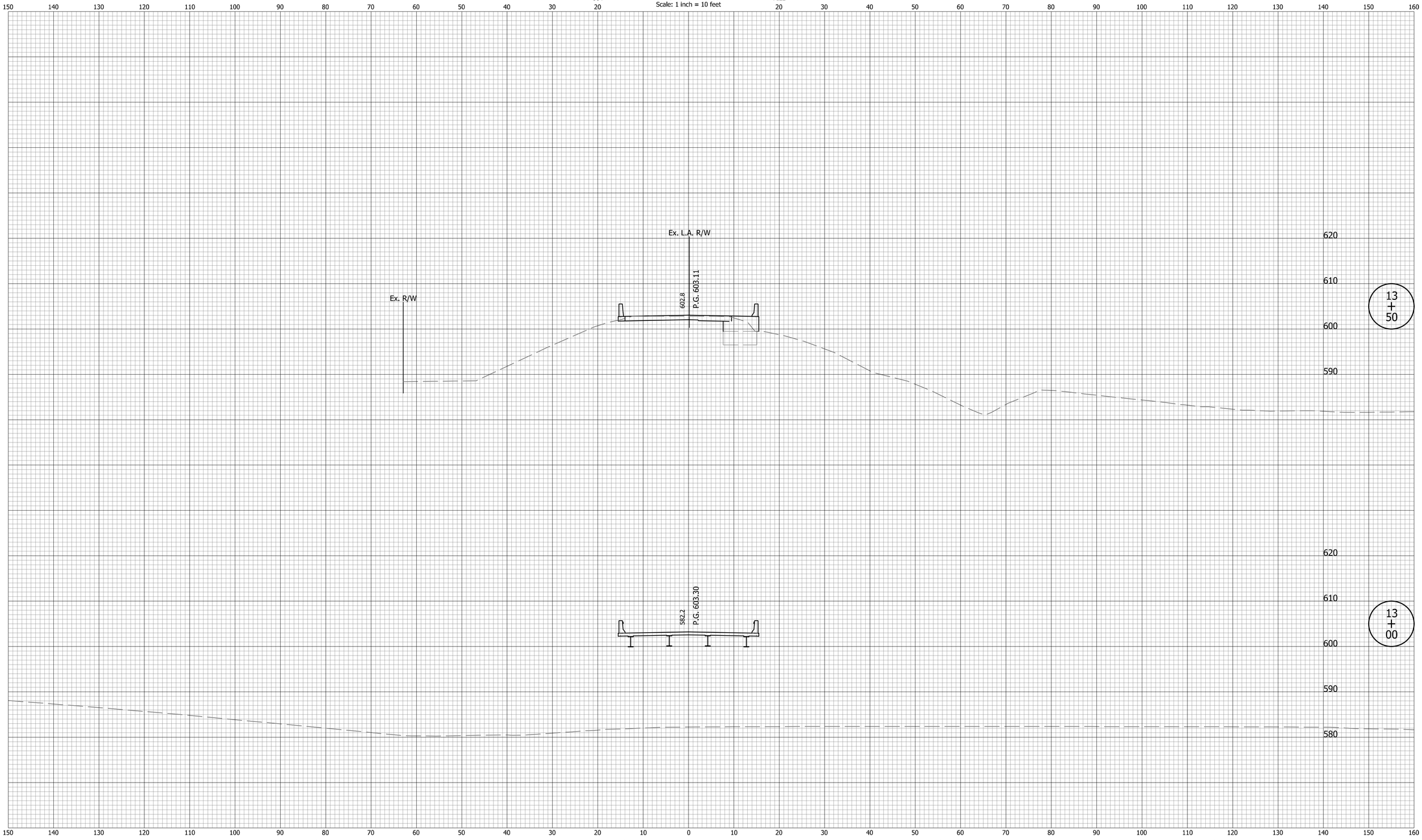
CROSS SECTIONS

Scale: 1 inch = 10 feet



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BNM DRAWN: BNM

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-12-Q"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'-0"	165-028-04232 A
VERTICAL SCALE	DESIGNATION
1" = 10'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 15
CONTRACT	PROJECT
R-41529	1700135

Indy-Pdf.qbcfg
Indiana_Sheet.tbl

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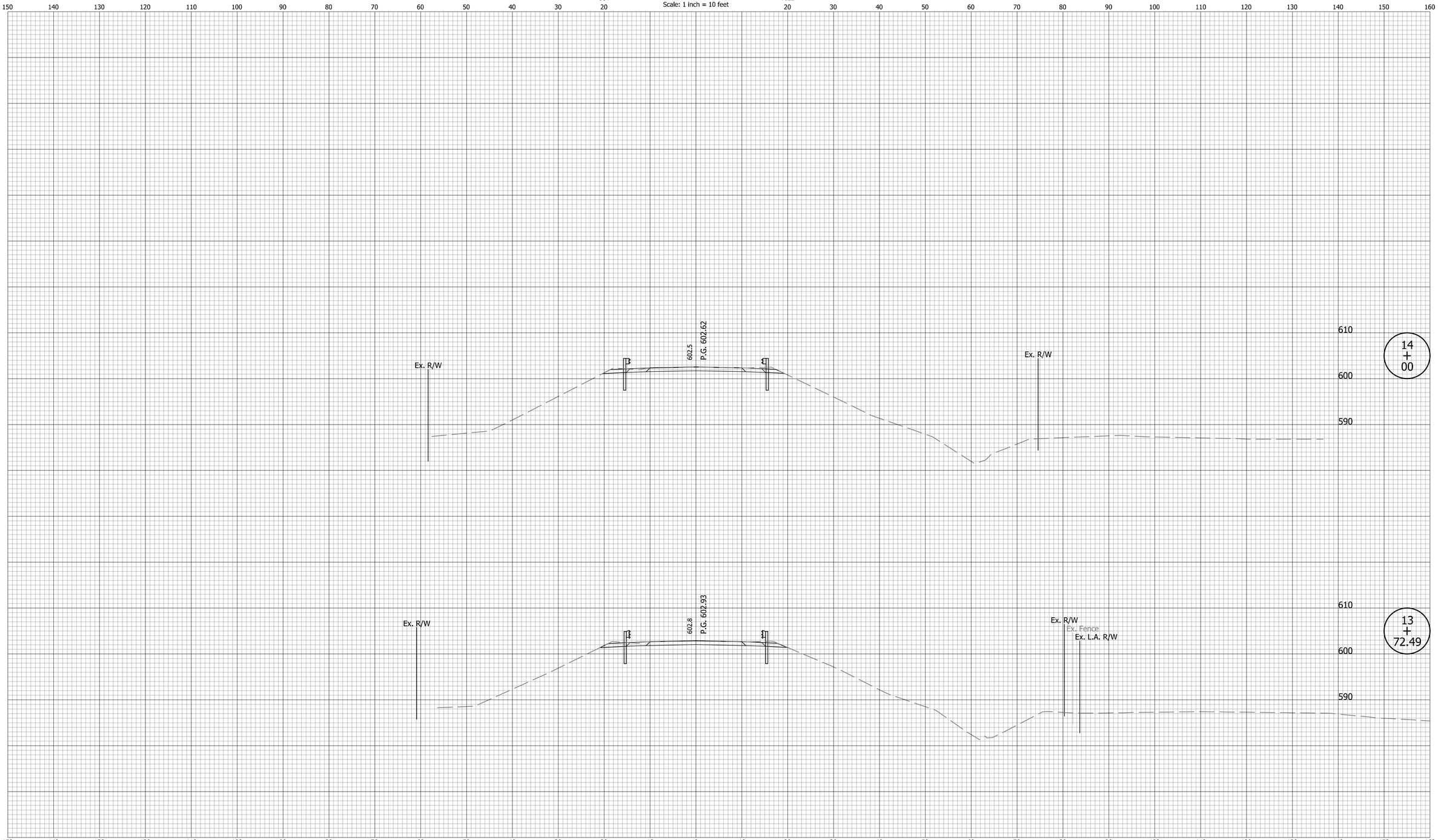
CROSS SECTIONS
Scale: 1 inch = 10 feet

CUT 150 140 130 120 110 100 90 80 70 60 50 40 30 20

FILL 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BNM DRAWN: BNM

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-12-Q"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'-0"	I65-028-04232 A
VERTICAL SCALE	DESIGNATION
1" = 10'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 15
CONTRACT	PROJECT
R-41529	1700135

Indy-Pdf.dfcfg
Indiana_Shade.tbl

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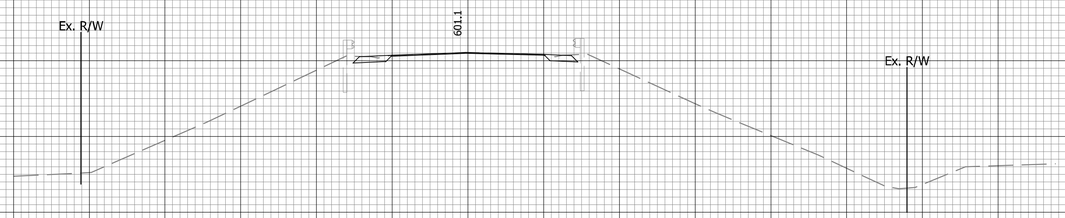
CUT

CROSS SECTIONS
Scale: 1 inch = 10 feet

FILL

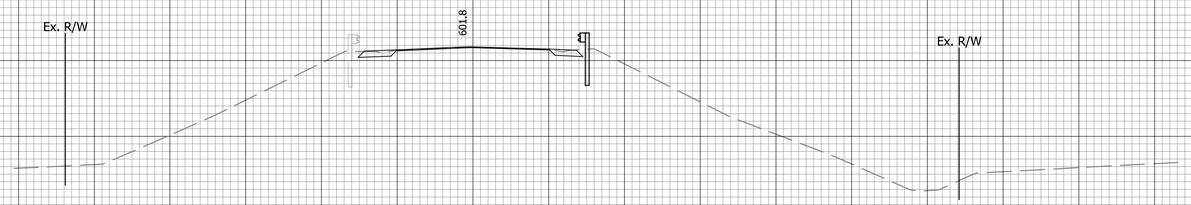
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

END INCIDENTAL
14+80.00 "S-12-Q"



610 600 590

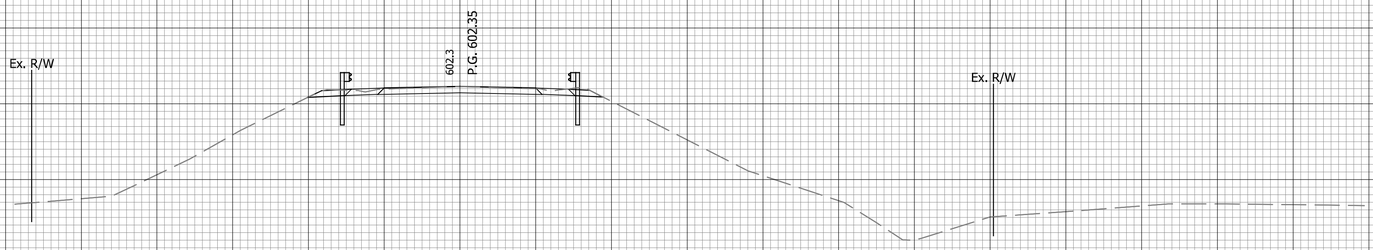
14 + 80



610 600 590

14 + 50

END PROJECT
14+20.00 "S-12-Q"



620 610 600 590

14 + 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: BNM DRAWN: BNM

CHECKED: RTA CHECKED: RTA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-12-Q"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'-0"	165-028-04232 A
VERTICAL SCALE	DESIGNATION
1" = 10'-0"	2001607
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 15
CONTRACT	PROJECT
R-41529	1700135

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