

UTILITIES

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GENERAL NOTES

XX	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.
XX	See Sheet 3 for material legend items.
XX	Required General Notes

REVISIONS

SHEET NO.	DATE	REVISED

INDEX

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2	INDEX AND GENERAL NOTES
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257	DATA COLLECTION SITE
258-291	EROSION CONTROL DETAILS



TRAFFIC DATA	I-69 LINE "A" FROM SR 37 TO SOUTHEASTERN PKWY	I-69 LINE "A" FROM SOUTHEASTERN PKWY TO SR 13	I-69 - LINE "A" AND "C" FROM SR 13 TO SR 38	LINE "116th SB Ramp"	LINE "SR 13"
A.A.D.T. (2015)	63,440 V.P.D.	56,140 V.P.D.	60,446 V.P.D.	12,350 V.P.D.	12,472 V.P.D.
A.A.D.T. (2035)	83,850 V.P.D.	66,190 V.P.D.	74,785 V.P.D.	15,670 V.P.D.	18,213 V.P.D.
D.H.V. (2035)	5,870 V.P.H.	5,296 V.P.H.	4,580 V.P.H.	1,411 V.P.H.	1,329 V.P.H.
DIRECTIONAL DISTRIBUTION	53% NB	49% NB	54% NB	100%	40%
TRUCKS	20% A.A.D.T.	10% A.A.D.T.	16% A.A.D.T.	5% A.A.D.T.	13% A.A.D.T.
	14% D.H.V.	5% D.H.V.	28% D.H.V.	3% D.H.V.	13% D.H.V.
DESIGN DATA					
DESIGN SPEED	70 M.P.H.	70 M.P.H.	70 M.P.H.	35/60 M.P.H.	40 M.P.H.
PROJECT DESIGN CRITERIA	Partial Reconstruction (4R) (Freeway)	Partial Reconstruction (4R) (Freeway)	Partial Reconstruction (4R) (Freeway)	Partial Reconstruction (4R) (Freeway)	3R (Non-Freeway)
FUNCTIONAL CLASSIFICATION	Interstate	Interstate	Interstate	Principal Arterial	State Collector
RURAL/URBAN	Urban (Intermediate)	Rural	Rural	Urban (Intermediate)	Urban (Intermediate)
TERRAIN	Level	Level	Level	Level	Level
ACCESS CONTROL	Full	Full	Full	Full	Full

TRAFFIC DATA	LINE "PR-RAMP SE-W" and LINE "PR-RAMP SW-W"	LINE "PR-RAMP SE-W" and LINE "PR-RAMP SE-E"	LINE "PR-RAMP NE-E" and LINE "PR-RAMP NE-W"	LINE "PR-RAMP NW-E" and LINE "PR-RAMP NW-W"	CAMPUS PARKWAY/ SOUTHEASTERN PARKWAY
A.A.D.T. (2015)	8,790 V.P.D.	5,980 V.P.D.	5,750 V.P.D.	8,400 V.P.D.	24,730 V.P.D.
A.A.D.T. (2035)	11,450 V.P.D.	7,640 V.P.D.	7,210 V.P.D.	10,700 V.P.D.	30,980 V.P.D.
D.H.V. (2035)	1,650 V.P.H.	800 V.P.H.	800 V.P.H.	1,430 V.P.H.	3,060 V.P.H.
DIRECTIONAL DISTRIBUTION	100%	100%	100%	100%	(SWB/NEB) 46%/54%
TRUCKS	2.3% A.A.D.T.	2.2% A.A.D.T.	2.3% A.A.D.T.	2.3% A.A.D.T.	2.7% A.A.D.T.
	0.3% D.H.V.	3.0% D.H.V.	3.0% D.H.V.	0.7% D.H.V.	1.5% D.H.V.
DESIGN DATA					
DESIGN SPEED	25 M.P.H.	25 M.P.H.	25 M.P.H.	25 M.P.H.	45 M.P.H.
PROJECT DESIGN CRITERIA	Reconstruction (Non-Freeway)	Reconstruction (Non-Freeway)	Reconstruction (Non-Freeway)	Reconstruction (Non-Freeway)	Reconstruction (Non-Freeway)
FUNCTIONAL CLASSIFICATION	Principal Arterial	Principal Arterial	Principal Arterial	Principal Arterial	Principal Arterial
RURAL/URBAN	Urban (Intermediate)	Urban (Intermediate)	Urban (Intermediate)	Urban (Intermediate)	Urban (Intermediate)
TERRAIN	Level	Level	Level	Level	Level
ACCESS CONTROL	Full	Full	Full	Full	PARTIAL



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RECOMMENDED FOR APPROVAL *Matthew A. Taylor* 9/17/15
DESIGN ENGINEER
DESIGNED: ATW DRAWN: JNII
CHECKED: MAT CHECKED: MAT

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX SHEET

SCALE	BRIDGE FILE
N/A	
	DESIGNATION
	1383332
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- 2** Concrete Barrier
- 2A** Concrete Median Barrier, Modified
- 10** Guardrail, W-Beam, 6'-3" Spacing
- 15** Curb and Gutter, Concrete
- 22** Center Curb, B, Concrete
- 26** Sodding
- A1** Reinforced Concrete Moment Slab, 15.5" on 9" Coarse Aggregate #8
- FT** Railing, Concrete, FT (on MSE Wall)
- F** Sidewalk, Concrete
- FT1** Railing Concrete, FT
- H** Curb Ramp, Concrete
- J2** 220#/sys QC/QA-HMA, 2, 64, Surface, 12.5 mm on 220#/sys QC/QA-HMA, 1, 64, Intermediate, 12.5 mm on 495#/sys QC/QA-HMA, 1, 64, Base, 19.0 mm (2 lifts) on 250#/sys QC/QA-HMA, 5, 76, Intermediate, OG, 19.0 mm on 330#/sys QC/QA-HMA, 1, 64, Base, 19.0 mm on Subgrade Treatment, Type IB (cement only)
- J** 220#/sys QC/QA-HMA, 2, 64, Surface, 12.5 mm on 330#/sys QC/QA-HMA, 1, 64, Intermediate, 19.0 mm on 385#/sys QC/QA-HMA, 1, 64, Base, 19.0 mm on 250#/sys QC/QA-HMA, 5, 76, Intermediate, OG, 19.0 mm on 330#/sys QC/QA-HMA, 1, 64, Base, 19.0 mm on Subgrade Treatment, Type IB (cement only)
- K1** 165#/sys QC/QA-HMA, 5, 76, Surface, 9.5 mm on 330#/sys QC/QA-HMA, 5, 76, Intermediate, 19.0 mm on 440#/sys QC/QA-HMA, 5, 64, Base, 25.0 mm on 300#/sys QC/QA-HMA, 5, 76, Intermediate, OG, 19.0 mm on 440#/sys QC/QA-HMA, 5, 64, Base, 25.0 mm on Subgrade Treatment, Type IB (cement only)
- K2** 220#/sys QC/QA-HMA, 5, 76, Surface, 12.5 mm - SMA on 220#/sys QC/QA-HMA, 5, 76, Intermediate, 12.5 mm on 495#/sys QC/QA-HMA, 5, 64, Base, 19.0 mm (2 lifts) on 250#/sys QC/QA-HMA, 5, 76, Intermediate, OG, 19.0 mm on 330#/sys QC/QA-HMA, 5, 64, Base, 19.0 mm on Subgrade Treatment, Type IB (cement only)
- K5** 165#/sys QC/QA-HMA, 4, 70, Surface, 9.5 mm on 330#/sys QC/QA-HMA, 4, 70, Intermediate, 19.0 mm on 385#/sys QC/QA-HMA, 4, 64, Base, 25.0 mm on 250#/sys QC/QA-HMA, 5, 76, Intermediate, OG, 19.0 mm on 330#/sys QC/QA-HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type IB (cement only)
- K6** 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on 385#/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm on 550#/sys QC/QA-HMA, 3, 64, Base, 25.0 mm on Subgrade Treatment, Type IB (cement only)
- N** Compacted Aggregate, No. 53
- P1** HMA Patching, Type D consisting of Variable Depth Milling, (4 inch minimum or to existing concrete as directed), then Variable depth HMA Type D, Intermediate (440#/sys minimum, 880#/sys maximum) on Existing Pavement
- P2** Saw cut existing pavement and remove, then CRCP Patching, variable 10 in minimum (see detail below), on Dense Graded Subbase for PCCP, on Geotextiles, on Subgrade Treatment, Type IC (as needed)
- P3** Saw cut existing pavement and remove, then PCCP Patching, variable 10 in minimum (see IDM Figure 304-21DD), on Dense Graded Subbase for PCCP, on Geotextiles, on Subgrade Treatment, Type IC (as needed)
- R** Milling, Profile (0" to 0.5" for cross slope correction) 220#/sys QC/QA-HMA, 5, 76, Surface, 12.5 mm - SMA on 220#/sys QC/QA-HMA, 5, 76, Intermediate, 12.5 mm on Existing Pavement
- R2** Milling, Transition (from 0.5 inches to 5.0 inches) 220#/sys QC/QA-HMA, 5, 76, Surface, 12.5 mm - SMA on 330#/sys QC/QA-HMA, 5, 76, Intermediate, 19.0 mm on Existing Pavement
- R3** Milling, Scarification 220#/sys QC/QA-HMA, 5, 76, Surface, 12.5 mm - SMA on Variable depth QC/QA-HMA, 5, 76, Intermediate, 12.5 mm (min 220#/sys to match the grade of I-69) on Existing Pavement
- S** Saw Cut
- U** Underdrain (Curb & Gutter Section)
- UI** Underdrain (Shoulder Section)
- U2** Retrofit Underdrain
-  Saturated Zone Seed Mix
-  Reparian Zone Seed Mix
-  Wetlands (Impacted)
-  Wetlands (Waters of the U.S.), Do Not Disturb
-  Wetlands (Waters of the State), Do Not Disturb
-  Streams



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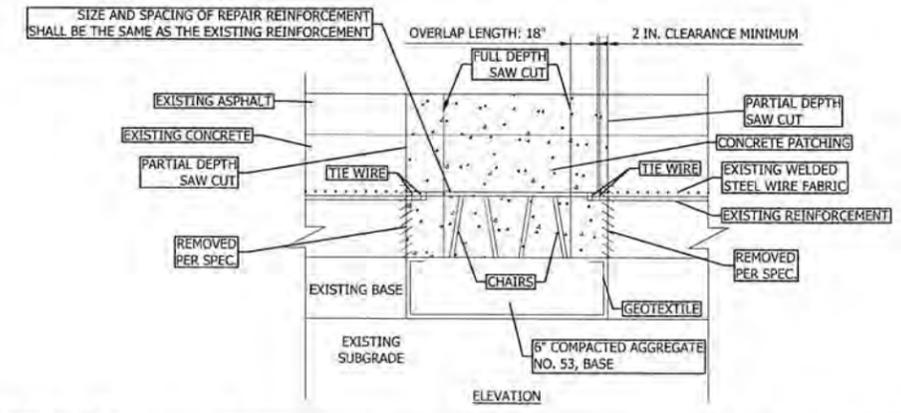
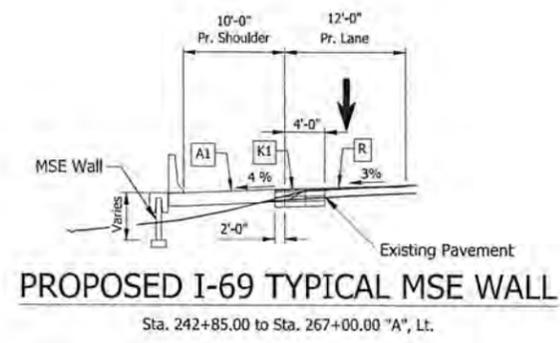
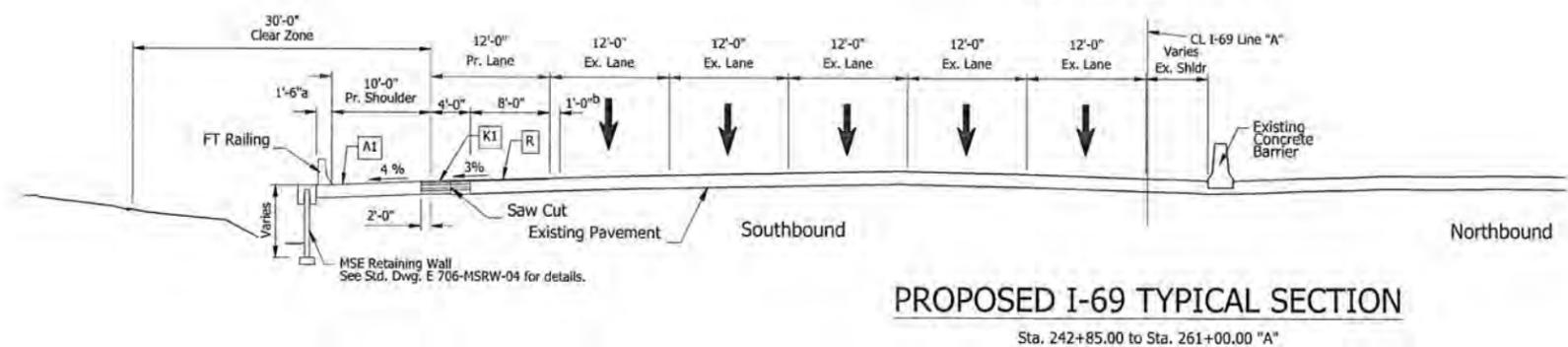
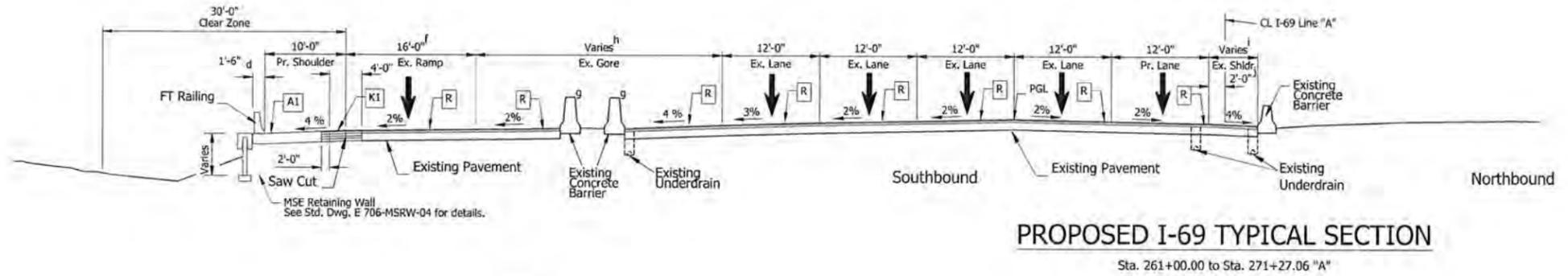
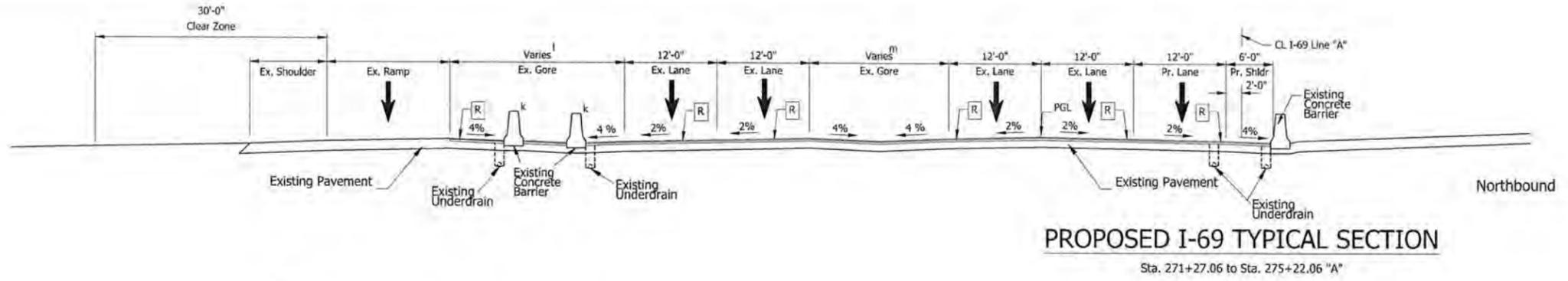
RECOMMENDED FOR APPROVAL	<i>Matthew Taylor</i>	DESIGN ENGINEER	9/11/15	DATE
DESIGNED:	ATW	DRAWN:	JNII	
CHECKED:	MAT	CHECKED:	MAT	

INDIANA
 DEPARTMENT OF TRANSPORTATION

LEGEND

SCALE	BRIDGE FILE
N/A	
	DESIGNATION
	1383332
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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- a. MSE wall and reinforced concrete moment slab
Sta. 242+85.00 "A" to
Sta. 267+00.00 "A"
- b. 1'-0" from Ex. EOP
Sta. 242+85.00 "A" to
Sta. 256+60.26 "A"
- 0'-0" from Pr. Lane Line
Sta. 256+60.26 "A" to
Sta. 261+00.00 "A"
- d. FT Railing
Sta. 242+85.00 "A" to
Sta. 267+00.00 "A"
- f. Varies 12'-0" to 16'-0"
Sta. 262+93.22 "A" to
Sta. 268+38.79 "A"
- 16'-0"
Sta. 268+38.79 "A" to
Sta. 271+27.06 "A"
- g. Remove existing
concrete barriers
Sta. 268+13.43 "A" to
Sta. 271+27.06 "A"
- h. Varies 2'-0" to 20'-2"
Sta. 265+59.96 "A" to
Sta. 271+27.06 "A"
- i. Varies 5'-9" to 6'-0"
Sta. 261+00.00 "A" to
Sta. 271+27.06 "A"
- j. 2'-0"
Sta. 261+00.00 "A" to
Sta. 271+27.06 "A"
- k. Remove existing dual
concrete barriers
Sta. 271+27.06 "A" to
Sta. 274+47.06 "A"
- Remove and replace concrete
barrier along Southbound
116th St. Entrance Ramp
Sta. 274+47.06 "A" to
Sta. 275+22.06 "A"
- l. Varies 20'-2" to 27'-10"
Sta. 271+27.06 "A" to
Sta. 275+22.06 "A"
- m. Varies 0'-0" to 5'-4"
Sta. 273+92.09 "A" to
Sta. 275+22.06 "A"



NOTE: See Sheet 3 for Legend

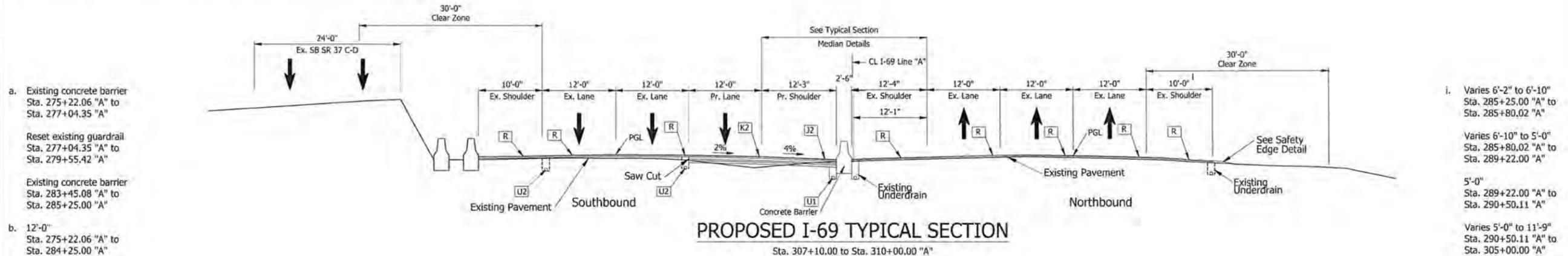


RECOMMENDED FOR APPROVAL: *Matthew Taylor* 8/22/15
 DESIGNER: ATW DATE: 8/22/15
 DRAWN: DJZ
 CHECKED: MAT CHECKED: ATW

INDIANA DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS

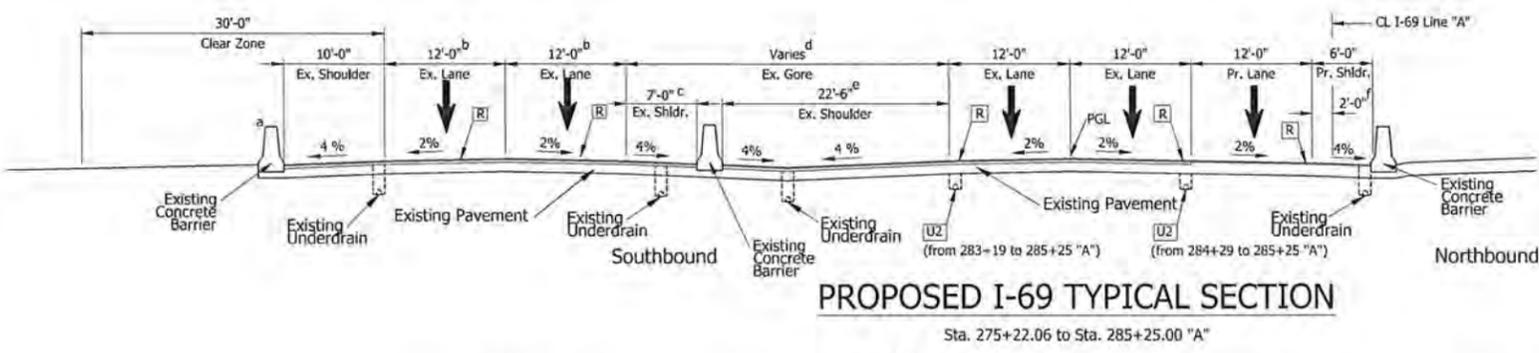
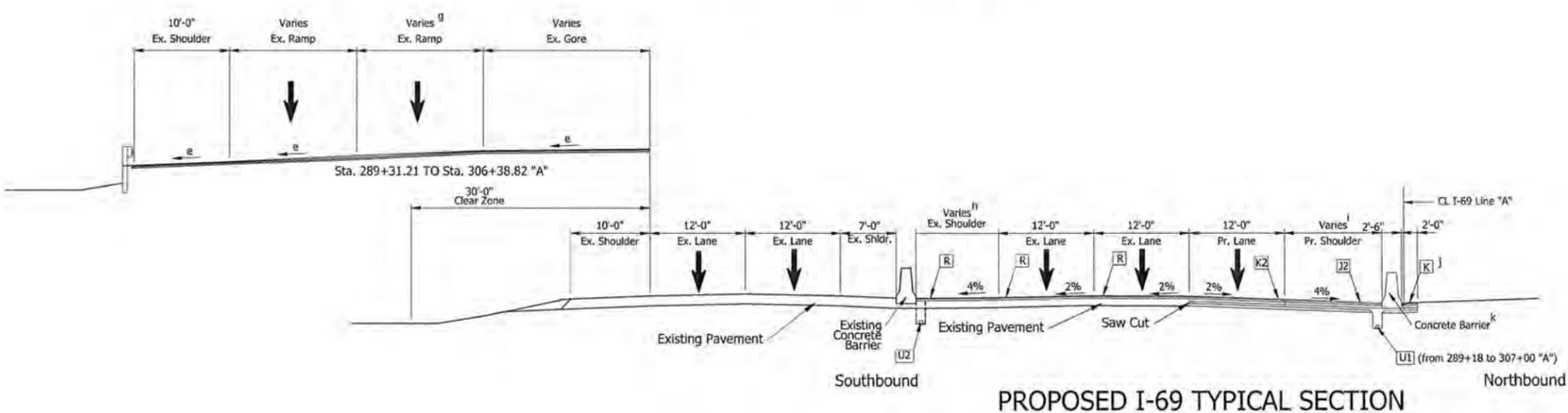
HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
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CONTRACT	PROJECT
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Note for Superelevation "e":
 For superelevation rates and transitions, refer to "Superelevation Diagrams" in this plan set.
 Superelevated sections curving left mirror the sample typical sections shown with curves to the right.



- a. Existing concrete barrier Sta. 275+22.06 "A" to Sta. 277+04.35 "A"
 Reset existing guardrail Sta. 277+04.35 "A" to Sta. 279+55.42 "A"
 Existing concrete barrier Sta. 283+45.08 "A" to Sta. 285+25.00 "A"
- b. 12'-0" Sta. 275+22.06 "A" to Sta. 284+25.00 "A"
 Varies 12'-0" to 11'-3" Sta. 284+25.00 "A" to Sta. 285+25.00 "A"
- c. 7'-0" Sta. 283+17.77 "A" to Sta. 285+25.00 "A"
- d. Varies 5'-4" to 31'-9" Sta. 275+22.06 "A" to Sta. 285+25.00 "A"
- e. 22'-6" Sta. 283+17.77 "A" to Sta. 285+25.00 "A"
- f. 2'-0" Sta. 275+22.06 "A" to Sta. 285+00.00 "A"
 Varies 2'-0" to 2'-3" Sta. 285+00.00 "A" to Sta. 285+25.00 "A"
- g. 12'-0" Sta. 289+31.21 "A" to Sta. 292+71.00 "A"
 Varies 12'-0" to 0'-0" Sta. 292+71.00 "A" to Sta. 296+03.18 "A"
- h. Varies 22'-6" to 10'-0" Sta. 285+25.00 "A" to Sta. 307+10.00 "A"

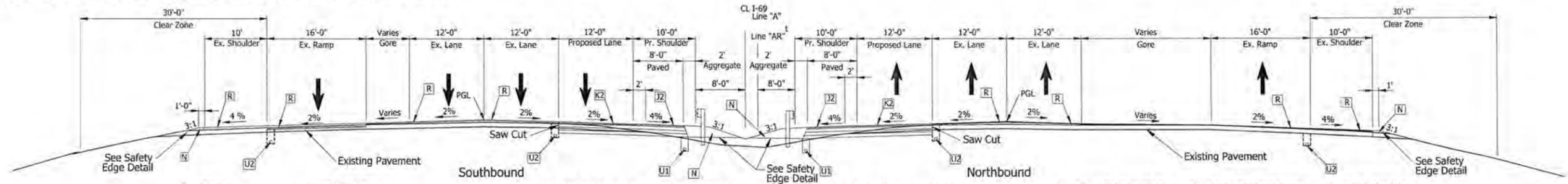
- i. Varies 6'-2" to 6'-10" Sta. 285+25.00 "A" to Sta. 285+80.02 "A"
 Varies 6'-10" to 5'-0" Sta. 285+80.02 "A" to Sta. 289+22.00 "A"
 5'-0" Sta. 289+22.00 "A" to Sta. 290+50.11 "A"
 Varies 5'-0" to 11'-9" Sta. 290+50.11 "A" to Sta. 305+00.00 "A"
 Varies 11'-9" to 12'-3" Sta. 305+00.00 "A" to Sta. 306+00.15 "A"
 12'-3" Sta. 306+00.15 "A" to Sta. 307+10.00 "A"
- j. 0'-0" Sta. 285+25.00 "A" to Sta. 289+22.00 "A"
- k. Replace Concrete Barrier Full depth pavement Sta. 289+22.00 "A" to Sta. 289+61.84 "A"
 New Concrete Barrier Full depth pavement Sta. 289+61.84 "A" to Sta. 307+10.00 "A"
- l. Varies 12'-11" to 10'-0" Sta. 307+10.00 to Sta. 308+10.00 "A"



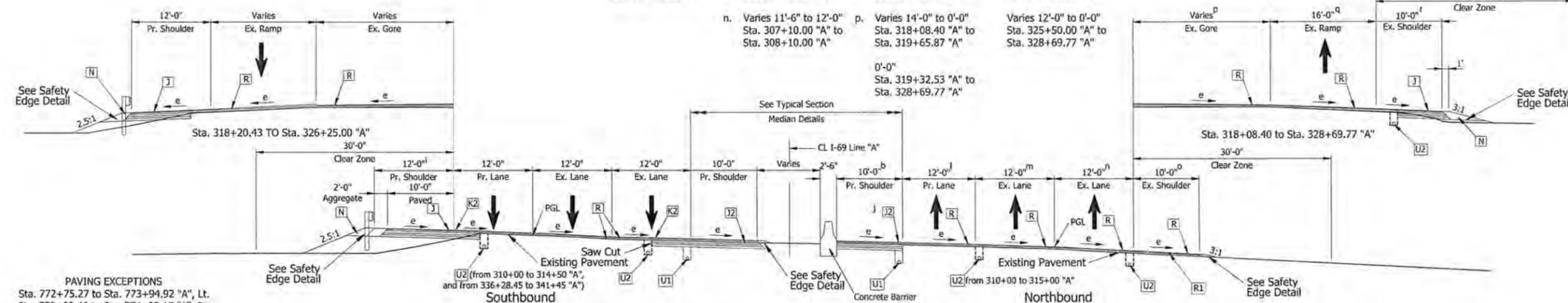
NOTE: See Sheet 3 for Legend

	RECOMMENDED FOR APPROVAL: <i>Matthew Taylor</i> 9/12/15 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION TYPICAL SECTIONS	HORIZONTAL SCALE	BRIDGE FILE	
	DESIGNED: ATW		DRAWN: DJZ	1" = 8'	DESIGNATION
	CHECKED: MAT		CHECKED: ATW	VERTICAL SCALE	1383332
			SURVEY BOOK	SHEETS	
				5 of 291	
				CONTRACT R-37053	
				PROJECT 1383332	

Note for Superelevation "e":
 For superelevation rates and transitions, refer to "Superelevation Diagrams" in this plan set.
 Superelevated sections curving left mirror the sample typical sections shown with curves to the right.



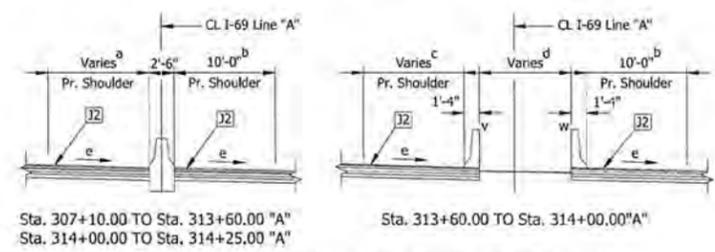
- i. 10'-0" Sta. 310+00.00 "A" to Sta. 311+50.00 "A"
- Varies 10'-0" to 12'-0" Sta. 311+50.00 "A" to Sta. 311+99.74 "A"
- 12'-0" Sta. 310+48.63 "A" to Sta. 317+94.03 "A"
- j. Moment Slab Sta. 314+25.00 "A" to Sta. 342+93.94 "A"
- l. Varies 11'-1" to 12'-0" Sta. 307+10.00 "A" to Sta. 308+10.00 "A"
- 12'-0" Sta. 308+10.00 "A" to Sta. 337+25.00 "A"
- m. Varies 12'-6" to 12'-0" Sta. 307+10.00 "A" to Sta. 308+10.00 "A"
- 12'-0" Sta. 308+10.00 "A" to Sta. 337+25.00 "A"
- n. Varies 11'-6" to 12'-0" Sta. 307+10.00 "A" to Sta. 308+10.00 "A"
- o. Varies 12'-11" to 10'-0" Sta. 307+10.00 "A" to Sta. 308+10.00 "A"
- 10'-0" Sta. 308+10.00 "A" to Sta. 337+25.00 "A"
- p. Varies 14'-0" to 0'-0" Sta. 318+08.40 "A" to Sta. 319+65.87 "A"
- 0'-0" Sta. 319+32.53 "A" to Sta. 328+69.77 "A"
- q. Varies 16'-0" to 12'-0" Sta. 319+19.64 "A" to Sta. 321+40.08 "A"
- 12'-0" Sta. 321+40.08 "A" to Sta. 325+50.00 "A"
- r. Varies 8'-0" to 10'-0" Sta. 318+08.40 "A" to Sta. 321+40.08 "A"
- s. Varies 20'-0" to 62'-6" Sta. 572+44.24 "A" to Sta. 590+00.00 "A"
- t. Line "AR" applies only Sta. 572+44.24 "AR" to Sta. 590+00.00 "AR"
- v. No FT Rail from Sta. 313+60.00 "A" to Sta. 313+70.00 "A"
- w. No FT Rail from Sta. 313+85.00 "A" to Sta. 314+00.00 "A"



PAVING EXCEPTIONS
 Sta. 772+75.27 to Sta. 773+94.92 "A", Lt.
 Sta. 772+82.46 to Sta. 774+02.15 "A", Rt.
 Sta. 787+51.69 to Sta. 789+42.03 "A", Lt.
 Sta. 787+52.82 to Sta. 789+46.65 "A", Rt.
 Sta. 394+22.68 to Sta. 395+88.90 "A", Lt.
 Sta. 393+81.13 to Sta. 395+47.33 "A", Rt.
 Sta. 621+42.15 to Sta. 623+03.71 "A", Lt.
 Sta. 620+89.57 to Sta. 622+51.13 "AR", Rt.

PROPOSED I-69 TYPICAL SECTION - SUPERELEVATION

Sta. 310+00.00 to Sta. 341+45.00 "A", Lt. Sta. 310+00.00 to Sta. 341+35.00 "A", Rt.



TYPICAL SECTION MEDIAN DETAILS

- a. Varies 12'-3" to 19'-4" Sta. 307+10.00 "A" to Sta. 313+60.00 "A"
- Varies 10'-6" to 12'-0" Sta. 314+00.00 "A" to Sta. 319+25.00 "A"
- b. Varies 12'-4" to 10'-0" Sta. 307+10.00 "A" to Sta. 308+10.00 "A"
- 10'-0" Sta. 308+10.00 "A" to Sta. 312+35.00 "A"
- Varies 10'-0" to 5'-11" Sta. 312+35.00 "A" to Sta. 313+60.00 "A"
- c. 20'-4" Sta. 313+60.00 "A" to Sta. 313+70.00 "A"
- Varies 11'-1" to 10'-0" Sta. 313+70.00 "A" to Sta. 314+00.00 "A"
- d. 0'-0" Sta. 313+60.00 "A" to Sta. 313+70.00 "A"
- Varies 15'-9" to 16'-2" Sta. 313+85.00 "A" to Sta. 314+00.00 "A"
- Varies 7'-10" to 8'-4" Sta. 313+70.00 "A" to Sta. 313+85.00 "A"
- e. 0'-0" Sta. 313+85.00 "A" to Sta. 314+00.00 "A"
- f. Varies 0'-10" to 7'-3" Sta. 313+95.00 "A" to Sta. 315+60.00 "A"
- g. Varies 8'-7" to 1'-2" Sta. 315+30.00 "A" to Sta. 315+30.00 "A"

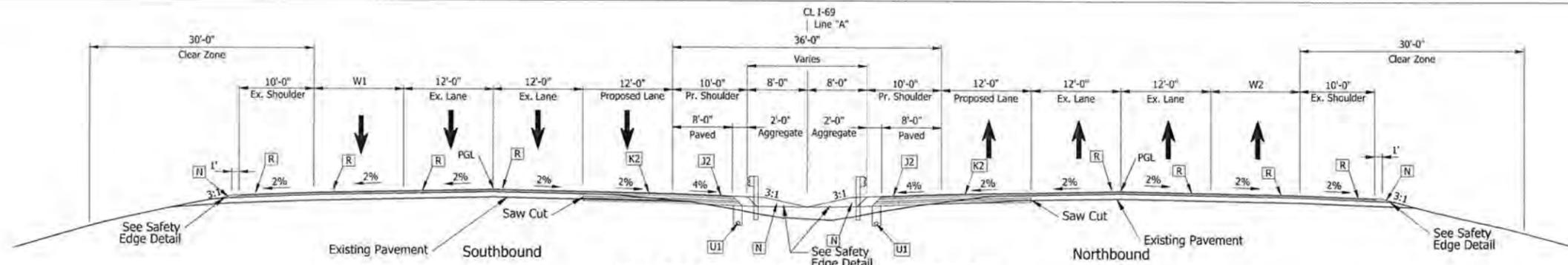
NOTE: See Sheet 3 for Legend



RECOMMENDED FOR APPROVAL: *Matthew J. Taylor* 9/17/15 DATE
 DESIGNER: ATW DRAWN: MAT
 CHECKED: DJZ CHECKED: ATW

INDIANA DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
	1383332
SURVEY BOOK	SHEETS
	6 of 291
CONTRACT	PROJECT
R-37053	1383332



PROPOSED I-69 TYPICAL SECTION

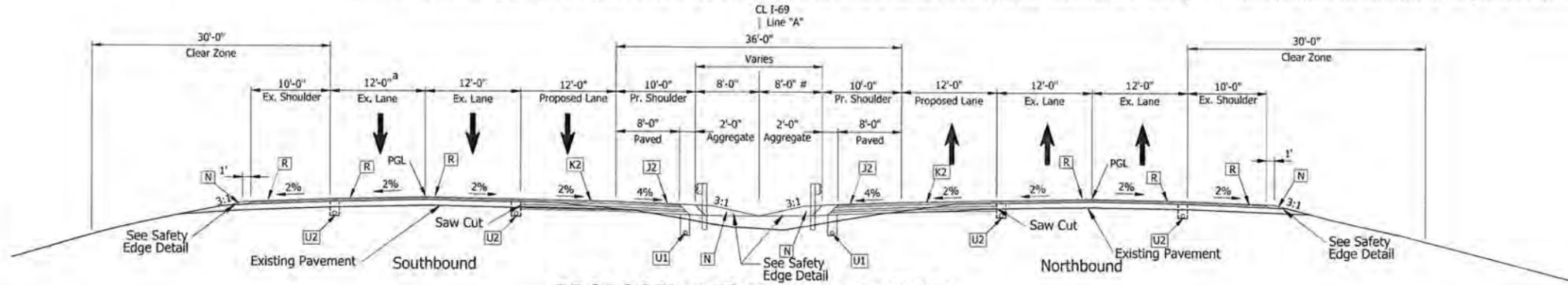
Sta. 62+66.08 to Sta. 65+16.15 "C", Lt. (W1 Varies from 0'-0" to 12'-0")
 Sta. 65+61.15 to Sta. 68+61.15 "C", Lt.
 Sta. 103+35.09 to Sta. 105+44.18 "C", Lt.
 Sta. 105+44.18 to Sta. 106+44.17 "C", Lt.

Sta. 768+00.00 to Sta. 771+20.00 "A", Lt. (W1 Varies from 0'-0" to 12'-0")
 Sta. 771+20.00 to Sta. 772+75.27 "A", Lt. (W1 = 12'-0")
 Sta. 804+43.54 to Sta. 808+75.00 "A", Lt. (W1 = 12'-0")
 Sta. 808+75.00 to Sta. 809+75.00 "A", Lt. (W1 Varies from 12'-0" to 0'-0")

Sta. 62+09.16 to Sta. 63+03.17 "C", Rt. (W2 Varies from 0'-0" to 12'-0")
 Sta. 63+03.17 to Sta. 65+81.41 "C", Rt.
 Sta. 100+33.83 to Sta. 102+97.42 "C", Rt.
 Sta. 102+97.42 to Sta. 105+97.23 "C", Rt. (W2 Varies from 12'-0" to 0'-0")

Sta. 767+80.00 to Sta. 768+80.00 "A", Rt. (W2 Varies from 0'-0" to 12'-0")
 Sta. 768+80.00 to Sta. 772+82.46 "A", Rt. (W2 = 12'-0")
 Sta. 804+43.54 to Sta. 805+50.00 "A", Rt. (W2 = 12'-0")
 Sta. 805+50.00 to Sta. 808+50.00 "A", Rt. (W2 Varies from 12'-0" to 0'-0")

a. Varies 18'-0" to 12'-0"
 Sta. 575+42.36 "A" to
 Sta. 576+96.63 "A"



PROPOSED I-69 TYPICAL SECTION

Sta. 56+00.00 to Sta. 62+66.08 "C", Lt. *
 Sta. 74+27.11 to Sta. 94+50.83 "C", Lt. *
 Sta. 106+44.17 to Sta. 133+55.00 "C", Lt. *
 Sta. 344+87.00 to Sta. 394+22.68 "A", Lt.

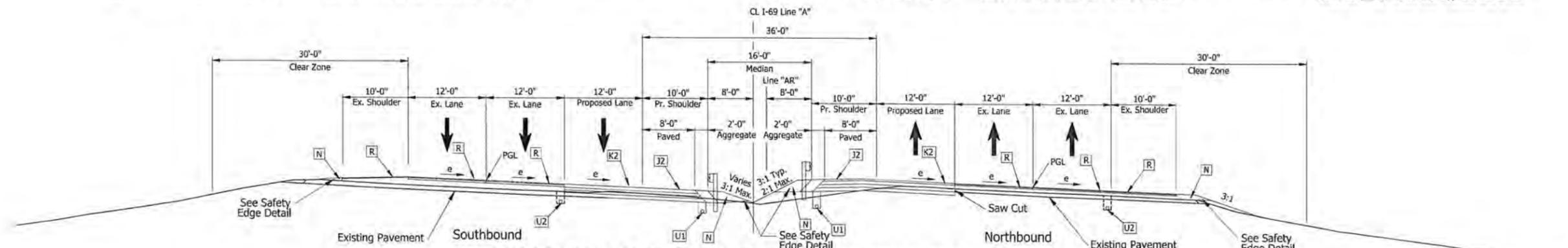
Sta. 415+02.50 to Sta. 501+11.00 "A", Lt.
 Sta. 506+02.00 to Sta. 526+84.46 "A", Lt.
 Sta. 582+35.00 to Sta. 590+00.00 "A", Lt.
 Sta. 722+51.59 to Sta. 768+00.00 "A", Lt. *

Sta. 809+75.00 to Sta. 918+87.00 "A", Lt. *
 Sta. 922+85.00 to Sta. 947+14.49 "A", Lt. *
 Sta. 978+68.39 to Sta. 984+45.44 "A", Lt. *

Sta. 56+00.00 to Sta. 62+09.16 "C", Rt. *
 Sta. 73+78.02 to Sta. 94+58.17 "C", Rt. *
 Sta. 105+97.23 to Sta. 133+55.00 "C", Rt. *
 Sta. 343+76.00 to Sta. 393+81.13 "A", Rt.

Sta. 414+87.06 to Sta. 500+66.00 "A", Rt.
 Sta. 505+57.00 to Sta. 527+73.13 "A", Rt.
 Sta. 585+30.00 to Sta. 590+00.00 "AR", Rt. # (8' dimension is to "AR")
 Sta. 722+51.59 to Sta. 767+80.00 "A", Rt. *

Sta. 808+50.00 to Sta. 918+87.00 "A", Rt. #
 Sta. 922+85.00 to Sta. 947+14.49 "A", Rt. *
 Sta. 978+68.39 to Sta. 984+45.44 "A", Rt. *
 * See Sheet ___ for Noise Wall Typical and Limits



PROPOSED I-69 TYPICAL SECTION - SUPERELEVATION

Sta. 395+88.00 to Sta. 415+02.50 "A", Lt.
 Sta. 526+84.46 to Sta. 536+20.00 "A", Lt.

Sta. 549+23.78 to Sta. 558+61.00 "A", Lt.
 Sta. 562+00.00 to Sta. 570+23.33 "A", Lt.
 Sta. 709+18.29 to Sta. 722+51.59 "A", Lt. *
 Sta. 779+80.39 to Sta. 787+51.69 "A", Lt. *
 Sta. 789+42.03 to Sta. 797+56.43 "A", Lt. *
 Sta. 947+14.49 to Sta. 978+68.39 "A", Lt. *

Sta. 395+47.33 to Sta. 414+87.06 "A", Rt.
 Sta. 527+73.13 to Sta. 531+76.75 "A", Rt.
 Sta. 549+09.87 to Sta. 558+75.00 "A", Rt.
 Sta. 562+91.00 to Sta. 571+14.60 "A", Rt.

Sta. 709+18.29 to Sta. 722+51.59 "A", Rt. *
 Sta. 780+46.71 to Sta. 787+52.82 "A", Rt. *
 Sta. 789+46.65 to Sta. 796+06.93 "A", Rt. *
 Sta. 947+14.49 to Sta. 978+68.39 "A", Rt. *

Note for Superelevation "e":
 For superelevation rates and transitions, refer to "Superelevation Diagrams" in this plan set.
 Superelevated sections curving left mirror the sample typical sections shown with curves to the right.

NOTE: See Sheet 3 for Legend

* U2 underdrains to be omitted in these sections.



RECOMMENDED FOR APPROVAL
 Matthew A. J. A. O.P. 9/15
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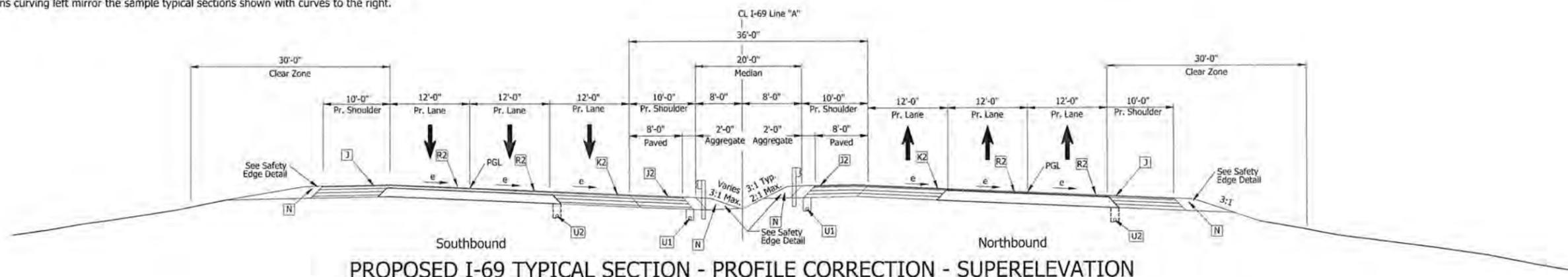
DESIGNED: ATW DRAWN: DJZ
 CHECKED: MAT CHECKED: ATW

INDIANA
 DEPARTMENT OF TRANSPORTATION

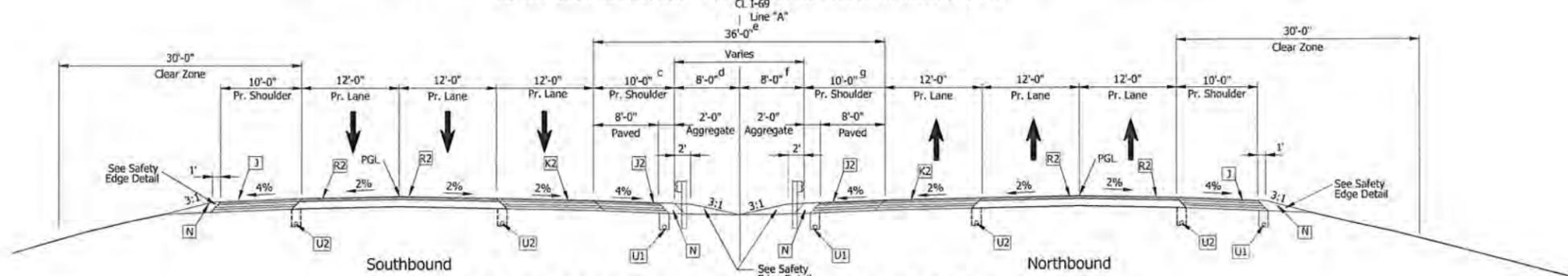
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
	1383332
SURVEY BOOK	SHEETS
	7 of 291
CONTRACT	PROJECT
R-37053	1383332

Note for Superelevation "e":
 For superelevation rates and transitions, refer to "Superelevation Diagrams" in this plan set.
 Superelevated sections curving left mirror the sample typical sections shown with curves to the right.



Sta. 558+61.00 to Sta. 562+00.00 "A", Lt. Sta. 558+75.00 to Sta. 562+91.00 "A", Rt.



Sta. 501+11.00 to Sta. 506+02.00 "A", Lt. Sta. 500+66.00 to Sta. 505+57.00 "A", Rt.
 Sta. 918+87.00 to Sta. 922+85.00 "A", Lt. * Sta. 918+87.00 to Sta. 922+85.00 "A", Rt. *

b. 10'-0"
 Sta. 337+25.00 "A" to
 Sta. 341+90.00 "A"

Varies 10'-0" to 12'-7"
 Sta. 341+90.00 "A" to
 Sta. 342+93.93 "A"

Varies 12'-7" to 13'-0"
 Sta. 342+93.93 "A" to
 Sta. 343+27.93 "A"

c. 10'-0" Paved
 Sta. 343+27.43 "A" to
 Sta. 344+49.96 "A"

Varies 10'-0" Paved to 8'-0" Paved w/ 2'-0" Compacted Aggregate, No 53
 Sta. 344+49.96 "A" to
 Sta. 344+99.16 "A"

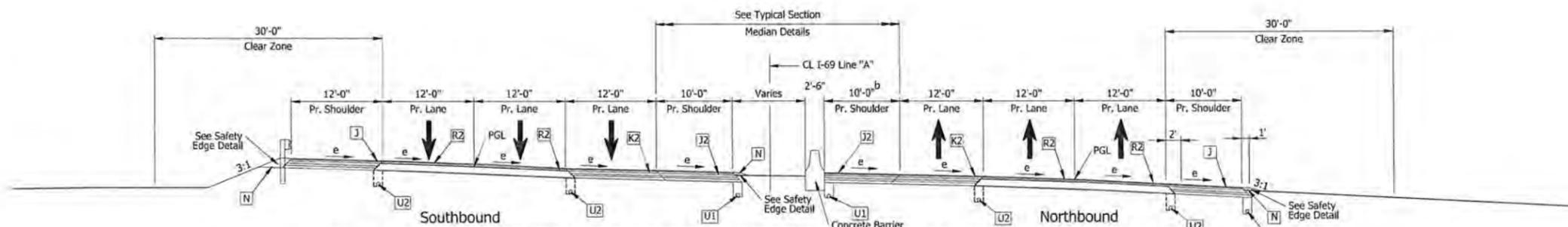
d. 8'-0"
 Sta. 343+27.43 "A" to
 Sta. 344+49.96 "A"

Varies 8'-0" to 10'-0"
 Sta. 344+49.96 "A" to
 Sta. 344+99.16 "A"

e. Varies 32'-7" to 36'-0"
 Sta. 343+27.43 "A" to
 Sta. 345+50.00 "A"

f. Varies 3'-5" to 10'-0"
 Sta. 343+27.43 "A" to
 Sta. 345+03.55 "A"

g. Varies
 13'-2" (11'-2" paved) to
 10'-0" (8'-0" paved)
 Sta. 343+27.43 "A" to
 Sta. 345+50.00 "A"



Sta. 341+45.00 to Sta. 344+87.00 "A", Lt. Sta. 341+35.00 to Sta. 344+76.00 "A", Rt.

NOTE: See Sheet 3 for Legend

* U2 underdrains to be omitted in these sections.



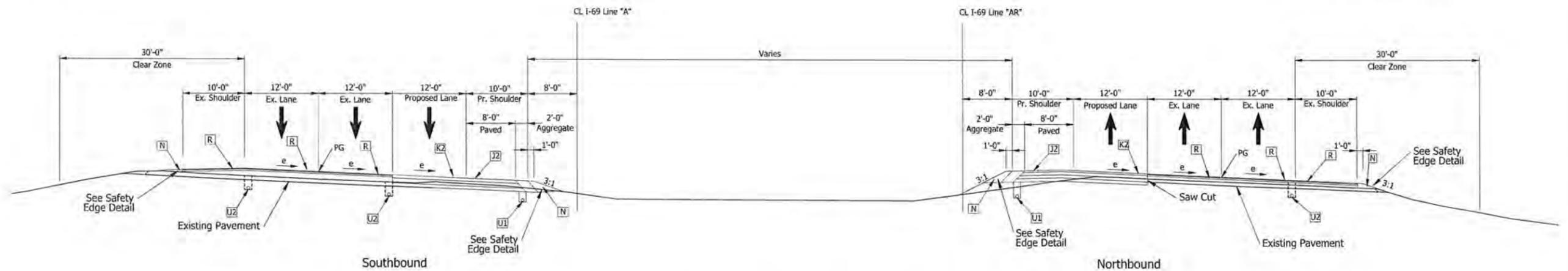
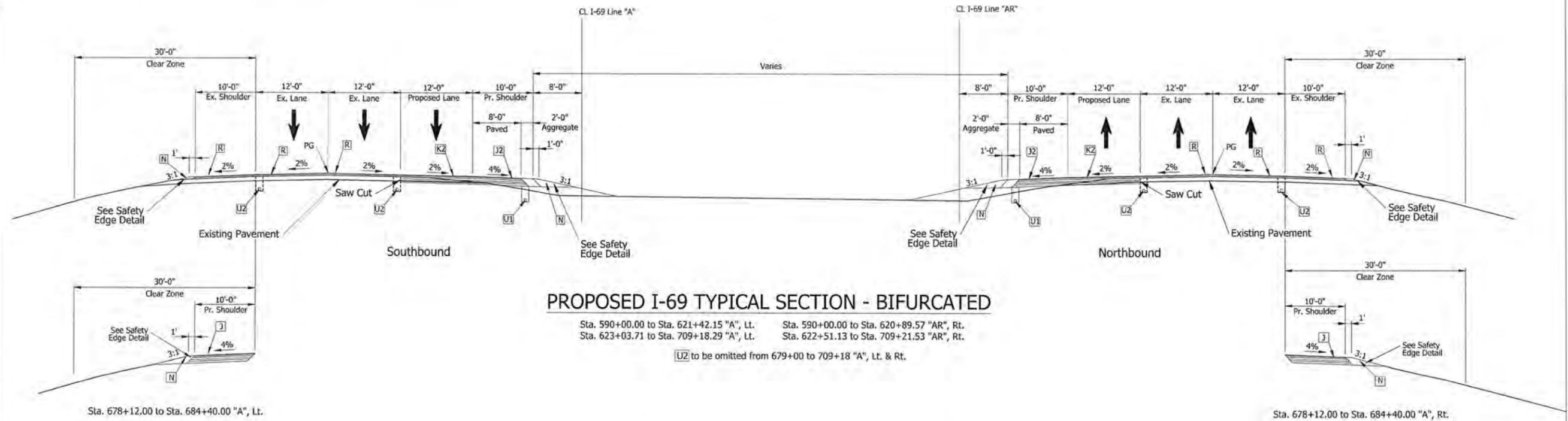
RECOMMENDED FOR APPROVAL: *Matthew J. ...* 9/2/15
 DESIGN ENGINEER DATE
 DESIGNED: ATW DRAWN: DJZ
 CHECKED: MAT CHECKED: ATW

INDIANA
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
	1383332
SURVEY BOOK	SHEETS
	8 of 291
CONTRACT	PROJECT
R-37053	1383332

Note for Superelevation "e":
 For superelevation rates and transitions, refer to "Superelevation Diagrams" in this plan set.
 Superelevated sections curving left mirror the sample typical sections shown with curves to the right.



NOTE: See Sheet 3 for Legend

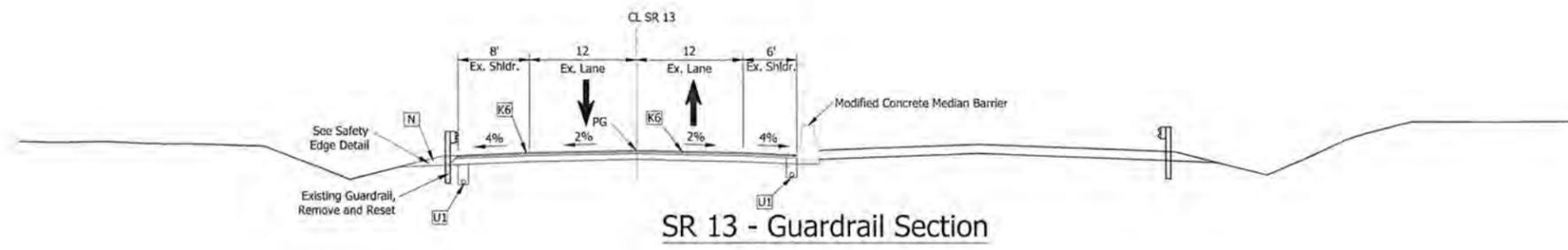


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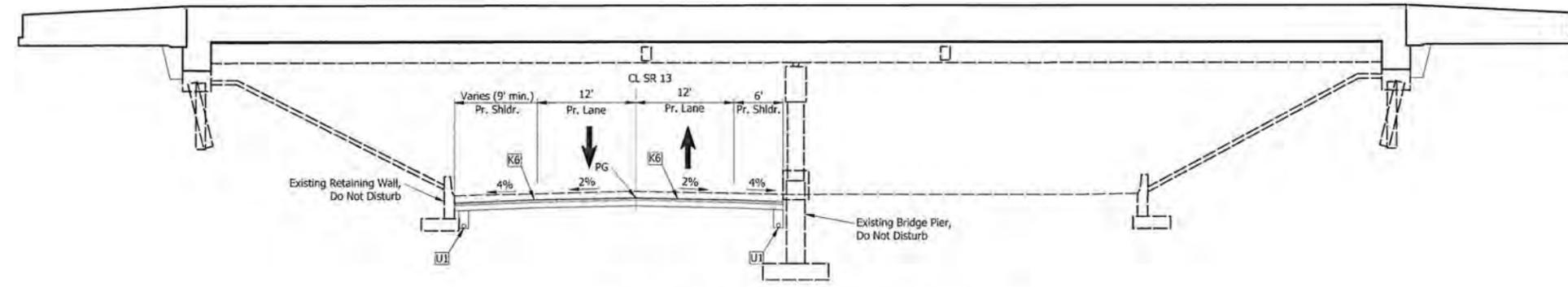
INDIANA
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TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
	1383336
SURVEY BOOK	SHEETS
	9 of 291
CONTRACT	PROJECT
R-37053	1383332

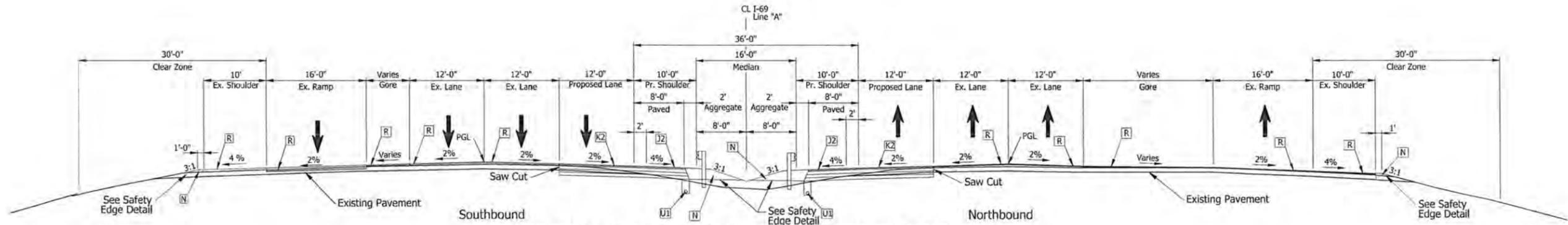


SR 13 - Guardrail Section



SR 13 - Concrete Barrier Section

I-69 Bridge over SR 13



PROPOSED I-69 TYPICAL SECTION WITH RAMPS

Sta. 68+61.15 to Sta. 74+27.11 "C", Lt.
 Sta. 94+50 to Sta. 103+35.09 "C", Lt.
 Sta. 773+94.92 to Sta. 779+80.39 "A", Lt.
 Sta. 797+56.43 to Sta. 804+43.54 "A", Lt.
 Sta. 65+81.41 to Sta. 73+78.02 "C", Rt.
 Sta. 94+58.17 to Sta. 100+33.83 "C", Rt.
 Sta. 774+02.15 to Sta. 780+46.71 "A", Rt.
 Sta. 796+06.93 to Sta. 804+43.54 "A", Rt.

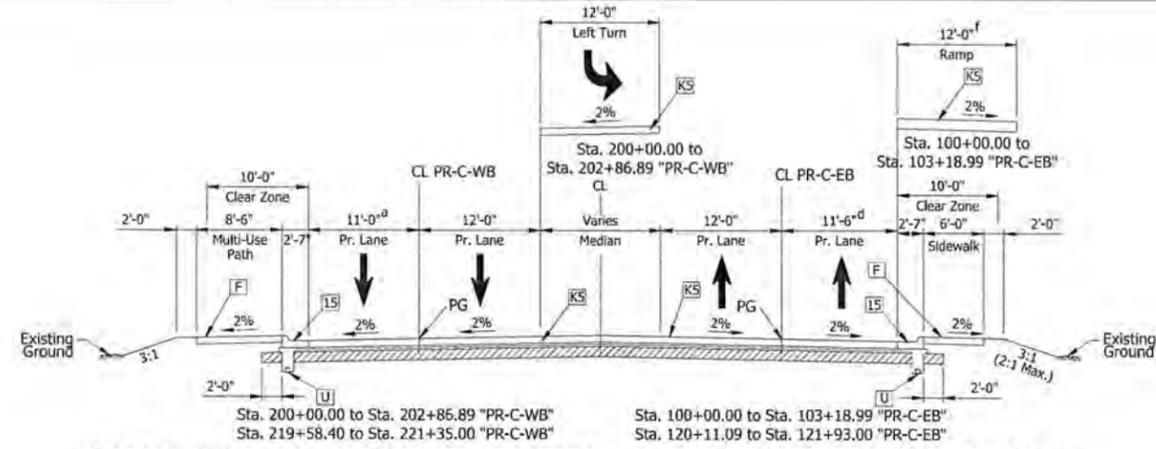
NOTE: See Sheet 3 for Legend



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INDIANA DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS

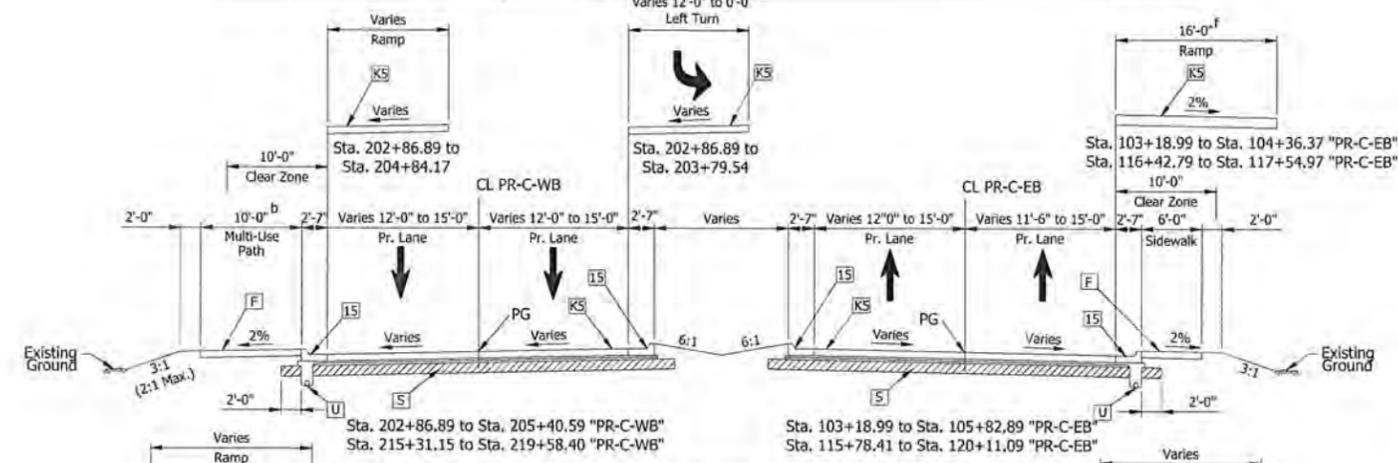
HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
	1383336
SURVEY BOOK	SHEETS
	10 of 291
CONTRACT	PROJECT
R-37053	1383332



CROSS-OVER PAVING LIMITS

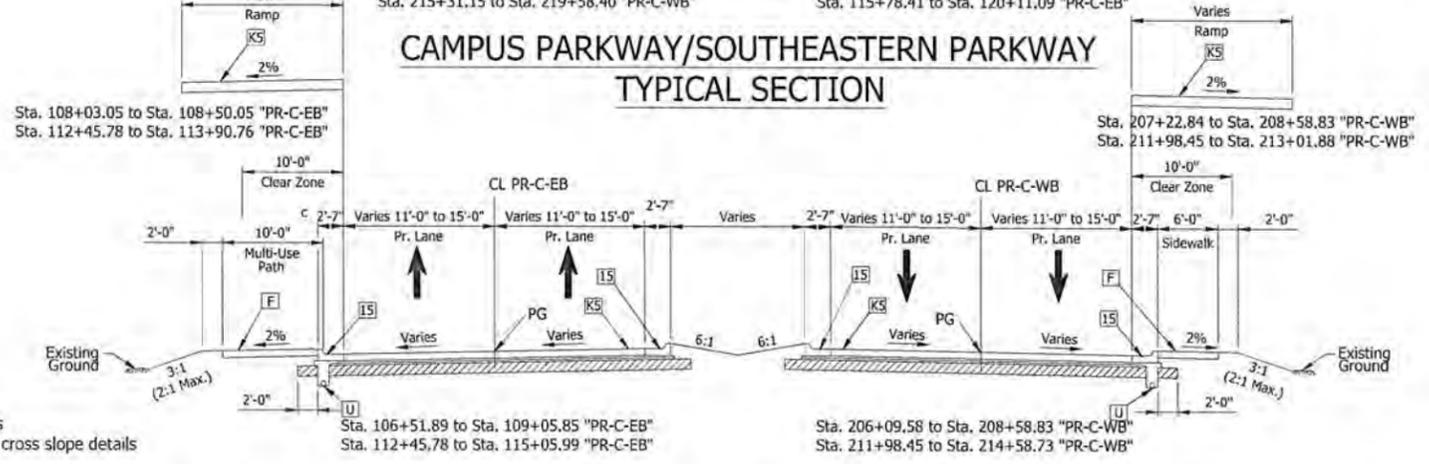
Sta. 205+40.59 to Sta. 206+09.58 "PR-C-WB"
 Sta. 214+58.73 to Sta. 215+31.15 "PR-C-WB"
 Sta. 105+82.89 to Sta. 106+51.89 "PR-C-EB"
 Sta. 115+05.99 to Sta. 115+78.41 "PR-C-EB"

CAMPUS PARKWAY/SOUTHEASTERN PARKWAY TYPICAL SECTION



- a 50' transition to match existing From Sta. 200+00.00 to Sta. 200+50.00 "PR-C-WB"
- b Varies from 8'-6" to 10'-0" From Sta. 202+94.88 to Sta. 203+73.29
- c 3'-4" From Sta. 108+09.91 to Sta. 109+05.85 "PR-C-EB"
- d 12' from Sta. 120+11.09 to Sta. unique 121+93.00 "PR-C-EB"
- e Varies from 12'-0" to 16'-0" From Sta. 102+54.00 to Sta. 103+45.85

CAMPUS PARKWAY/SOUTHEASTERN PARKWAY TYPICAL SECTION



Note:
 See Construction Detail Sheets for varying widths
 and Cross Section Transition Diagram Sheets for cross slope details

CAMPUS PARKWAY TYPICAL SECTION

BRIDGE PAVING EXCEPTION

Sta. 208+58.76 to Sta. 211+98.45 "PR-C-WB"
 Sta. 109+05.85 to Sta. 112+45.78 "PR-C-EB"

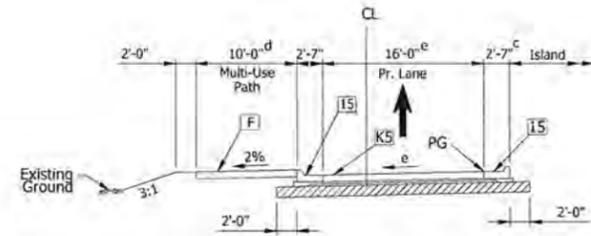
NOTE: See Sheet 3 for Legend



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INDIANA DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 LINES "PR-C-WB" AND "PR-C-EB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	(I-69) 238-29-5317C
VERTICAL SCALE	DESIGNATION
	1383489
SURVEY BOOK	SHEETS
	11 of 291
CONTRACT	PROJECT
R-37053	1383332



RAMP TYPICAL SECTION

Sta. 2208+61.74 to Sta. 2209+30.00 "PR-Ramp NW-W"
 Sta. 1113+94.99 to Sta. 1114+68.70 "PR-Ramp SE-E"
 Sta. 2202+54.25 to Sta. 2202+81.32 "PR-Ramp NE-E"

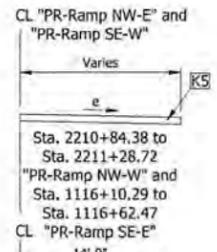
- a 6' Sidewalk on "PR-Ramp NW-E"
- b Gore Pavement from Sta. 2219+21.73 to Sta. 2219+31.09 "PR-Ramp SE-W" and Sta. 1104+44.48 to Sta. 1104+76.44 "PR-Ramp NW-E"

- c Gore Pavement from Sta. 2208+61.74 to Sta. 2209+02.11 "PR-Ramp NW-W" and Sta. 1113+94.99 to Sta. 1114+35.79 "PR-Ramp SE-E" and Sta. 2202+69.47 to Sta. 2202+81.32 "PR-Ramp NE-E"

- d 6' Sidewalk on "PR-Ramp NW-W"

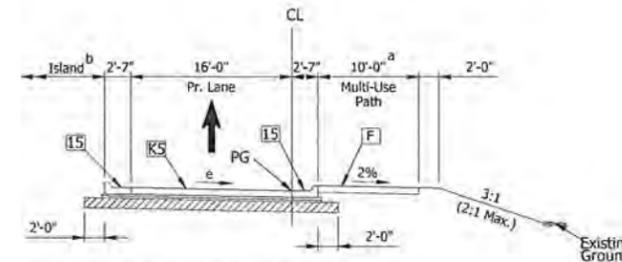
- e 3'-4" From Sta. 2202+65.00 to Sta. 2202+81.32 "PR-Ramp NE-E"

- f Transition to match existing at projects limits



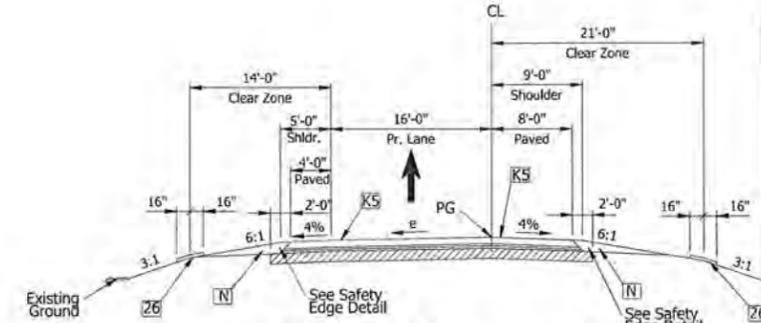
RAMP TYPICAL SECTION

Sta. 2210+84.38 to Sta. 2212+90.00 "PR-Ramp NW-W"
 Sta. 1116+10.29 to Sta. 1117+84.00 "PR-Ramp SE-E"



RAMP TYPICAL SECTION

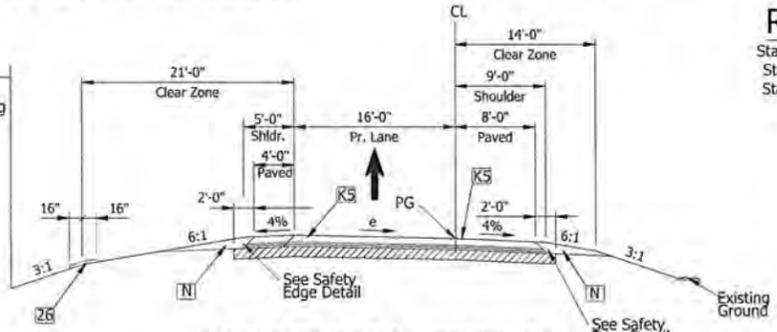
Sta. 2219+21.73 to Sta. 2219+47.09 "PR-Ramp SE-W"
 Sta. 1104+44.48 to Sta. 1104+99.80 "PR-Ramp NW-E"



RAMP TYPICAL SECTION

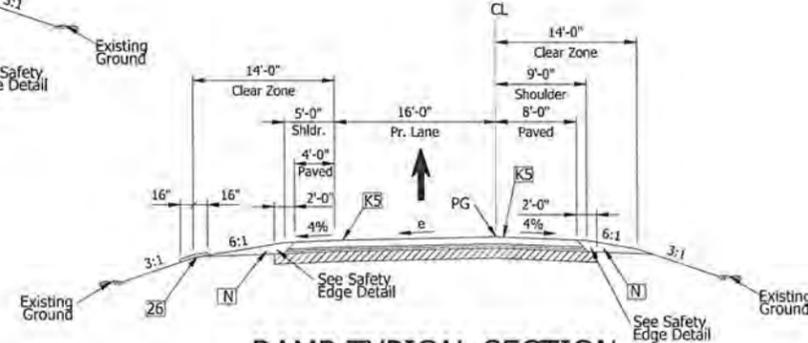
Sta. 2209+30.00 to Sta. 2211+35.06 "PR-Ramp NW-W"
 Sta. 1114+68.70 to Sta. 1116+10.29 "PR-Ramp SE-E"
 Sta. 2199+84.95 to Sta. 2202+54.25 "PR-Ramp NE-E"

Tie into "PR-Ramp NW-W" and "PR-Ramp SE-E" Grading



RAMP TYPICAL SECTION

Sta. 2219+47.09 to Sta. 2220+51.21 "PR-Ramp SE-W"
 Sta. 1104+99.80 to Sta. 1106+29.60 "PR-Ramp NW-E"



RAMP TYPICAL SECTION

Sta. 1196+25.00 to Sta. 1197+10.33 "PR-Ramp NE-W"

Note:
 See Construction Detail Sheets for varying widths and Cross Section Transition Diagram Sheets for cross slope details

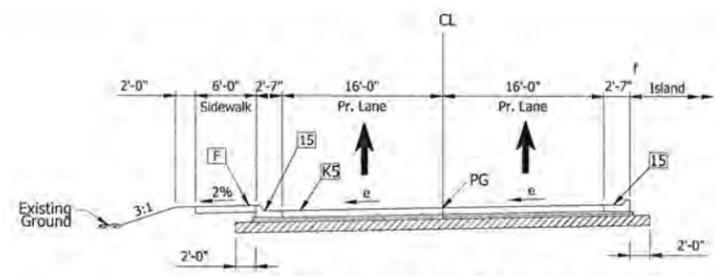
NOTE: See Sheet 3 for Legend



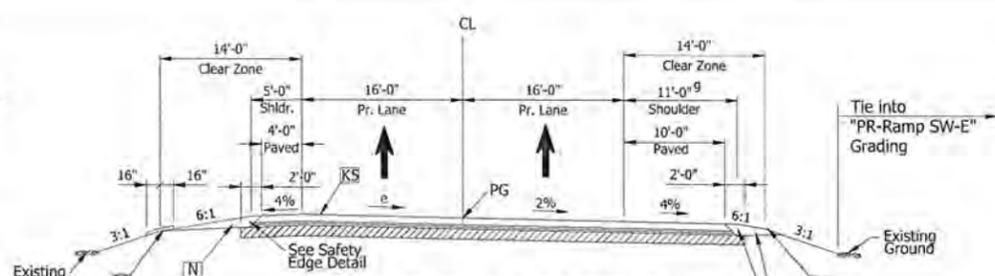
RECOMMENDED FOR APPROVAL: *Matthew A. Talaro* 8/10/15
 DESIGNER: ATW
 DRAWN: DJZ
 CHECKED: MAT
 CHECKED: ATW

INDIANA DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 SINGLE LANE RAMPS

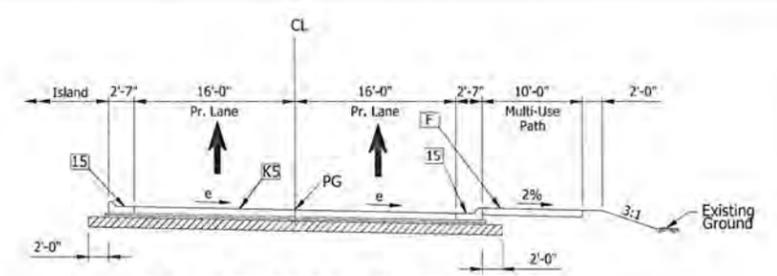
HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	(1-69) 238-29-5317C
VERTICAL SCALE	DESIGNATION
	1383489
SURVEY BOOK	SHEETS
	12 of 291
CONTRACT	PROJECT
R-37053	1383332



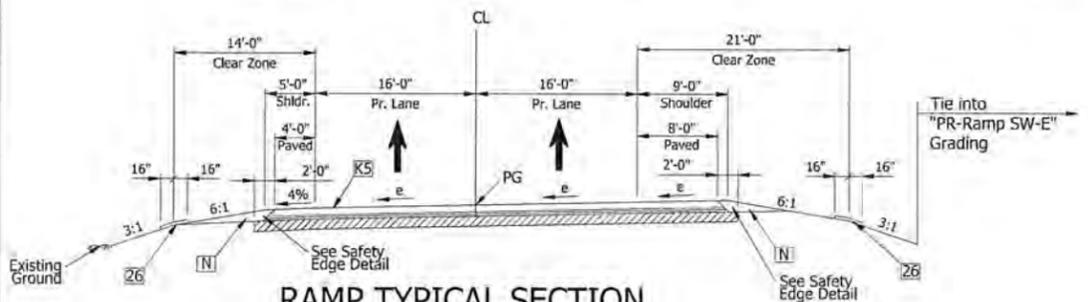
RAMP TYPICAL SECTION
Sta. 1209+86.50 to Sta. 1210+10.47 "PR-Ramp SW-W"



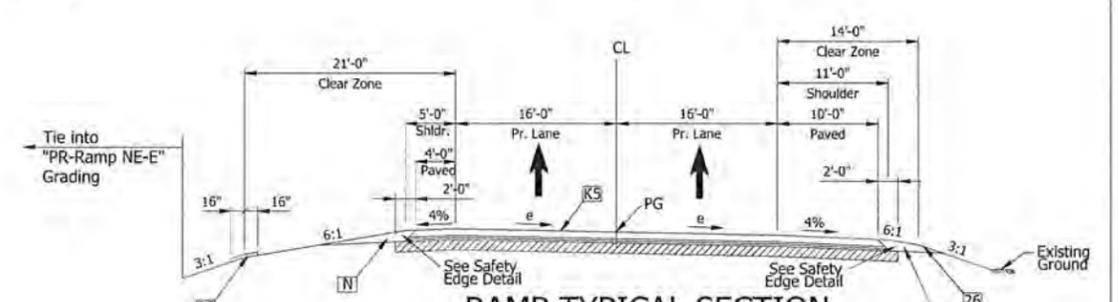
RAMP TYPICAL SECTION
Sta. 2211+35.06 to Sta. 2212+90.00 "PR-Ramp NW-W"



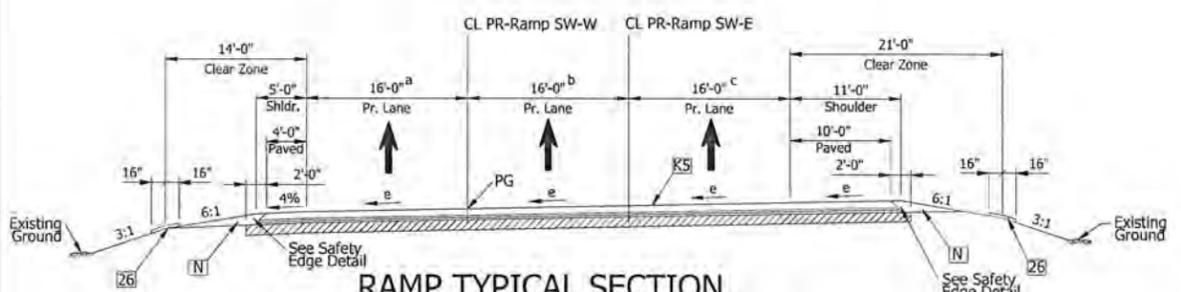
RAMP TYPICAL SECTION
Sta. 1202+95.00 to Sta. 1203+20.20 "PR-Ramp NE-W"



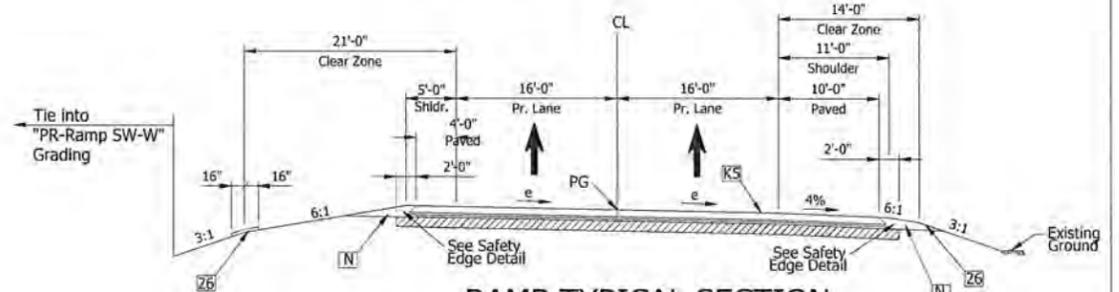
RAMP TYPICAL SECTION
Sta. 1208+30.21 to Sta. 1209+86.50 "PR-Ramp SW-W"



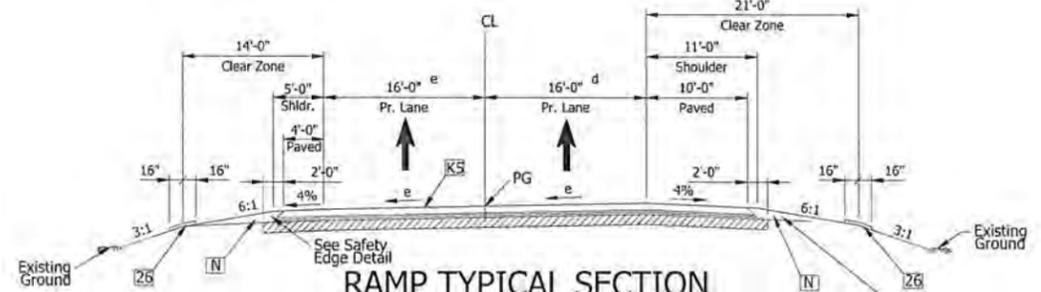
RAMP TYPICAL SECTION
Sta. 1199+84.95 to Sta. 1202+95.00 "PR-Ramp NE-W"



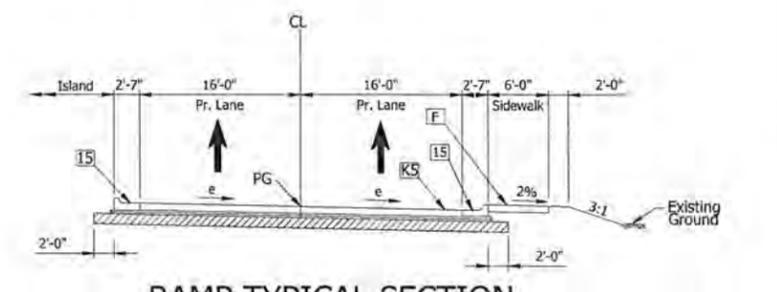
RAMP TYPICAL SECTION
Sta. 1205+04.00 to Sta. 1208+30.21 "PR-Ramp SW-W"



RAMP TYPICAL SECTION
Sta. 2208+45.09 to Sta. 2210+70.97 "PR-Ramp SW-E"



RAMP TYPICAL SECTION
Sta. 1197+10.33 to Sta. 1199+84.95 "PR-Ramp NE-W"

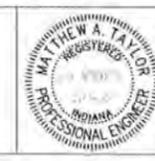


RAMP TYPICAL SECTION
Sta. 2210+70.97 to Sta. 2210+95.89 "PR-Ramp SW-E"

- a Varies from 11'-2" to 16'-0" from Sta. 1205+04.00 to Sta. 1205+54.00 "PR-Ramp SW-W"
- b Varies from 12'-5" to 16'-0" from Sta. 1205+04.00 to Sta. 1205+17.81 and from 16'-0" to 30'-3" from Sta. 1207+69.06 to Sta. 1208+30.21 "PR-Ramp SW-W"
- c Varies from 0' to 16'-0" from Sta. 1205+17.81 to Sta. 1205+80.12 "PR-Ramp SW-W"
- d Varies from 0' to 16'-0" from Sta. 1197+10.33 to Sta. 1198+14.28 "PR-Ramp NE-W"
- e Varies from 16'-0" to 31'-5" from Sta. 1198+63.27 to Sta. 1199+84.95 "PR-Ramp NE-W"
- f Gore Pavement from Sta. 1209+99.72 to Sta. 1210+10.47 "PR-Ramp SW-W"
- g Varies 8'-0" to 10'-0" from Sta. 2211+35.06 to Sta. 2211+44.33 "PR-Ramp NW-W"

Note:
See Construction Detail Sheets for varying widths
and Cross Section Transition Diagram Sheets for cross slope details

NOTE: See Sheet 3 for Legend

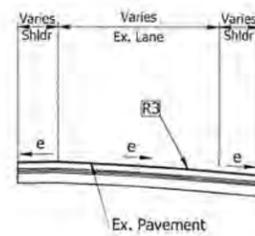


RECOMMENDED FOR APPROVAL: *Matthew W. A. Taylor* 9/2/13 DATE
DESIGNED: ATW DRAWN: DJZ
CHECKED: MAT CHECKED: ATW

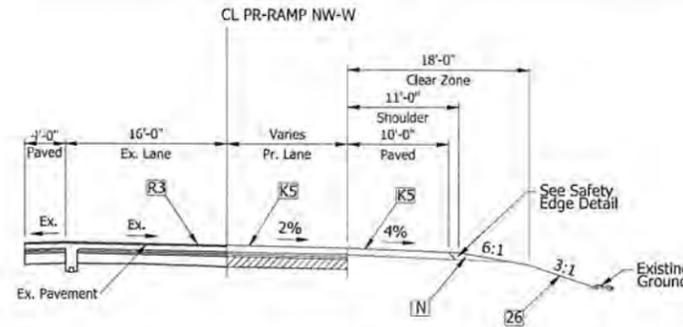
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
MULTI-LANE RAMPS

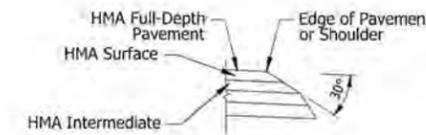
HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	(I-69) 238-29-5317C
VERTICAL SCALE	DESIGNATION
	1383489
SURVEY BOOK	SHEETS
	13 of 291
CONTRACT	PROJECT
R-37053	1383332



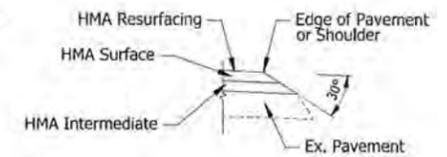
MILL AND OVERLAY TYPICAL
Sta. 3+55.47 to Sta. 9+14.81 Line "Ramp NE"
Sta. 3+53.65 to Sta. 6+17.66 Line "Ramp SE"
Sta. 17+57.72 to Sta. 25+99.84 Line "Ramp SW"



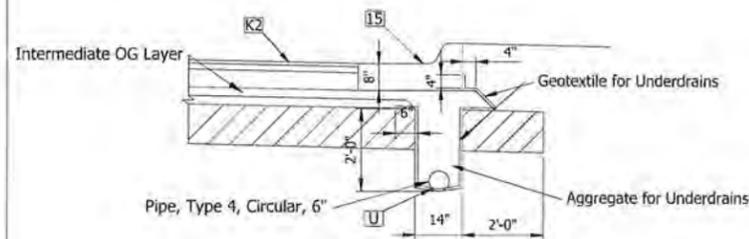
MILL AND OVERLAY W/ ADDED LANE TYPICAL
Sta. 2212+90.00 to Sta. 2218+67.92 Line "PR-Ramp NW-W"



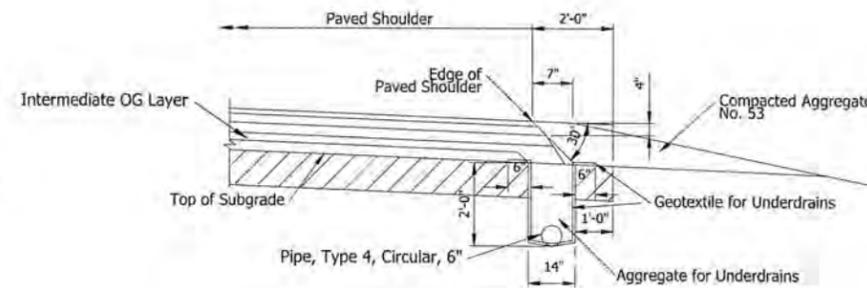
SAFETY EDGE FOR NEW PAVEMENT



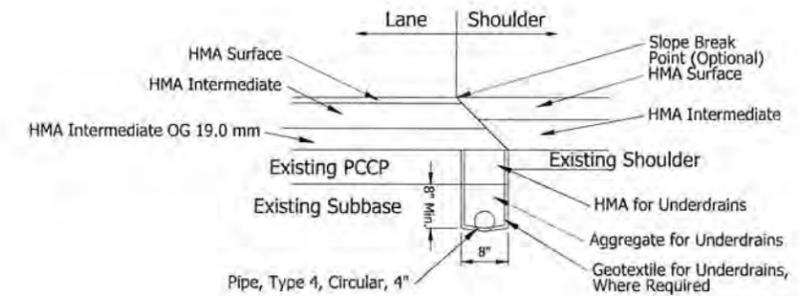
SAFETY EDGE FOR RESURFACING



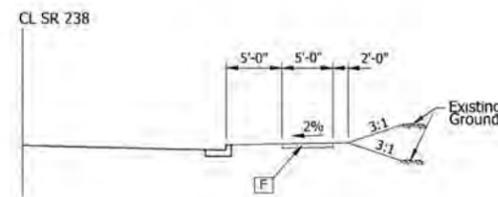
U CONCRETE CURB AND GUTTER SECTION FOR HMA PAVEMENT WITH UNDERDRAIN



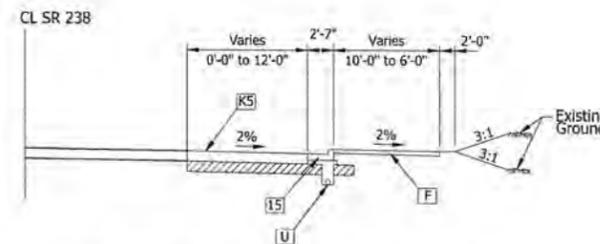
U1 UNDERDRAIN FOR HMA PAVEMENT FULL-DEPTH HMA SHOULDER



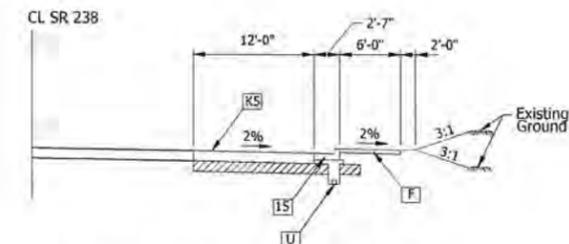
U2 RETROFIT UNDERDRAIN



Sta. 281+96.16 to Sta. 285+30.00 Line "SR 238"



Sta. 285+30.00 to Sta. 286+30.00 Line "SR 238"



Sta. 286+30.00 to Sta. 286+85.00 Line "SR 238"

INCIDENTAL SIDEWALK CONSTRUCTION TYPICALS

NOTE: See Sheet 3 for Legend

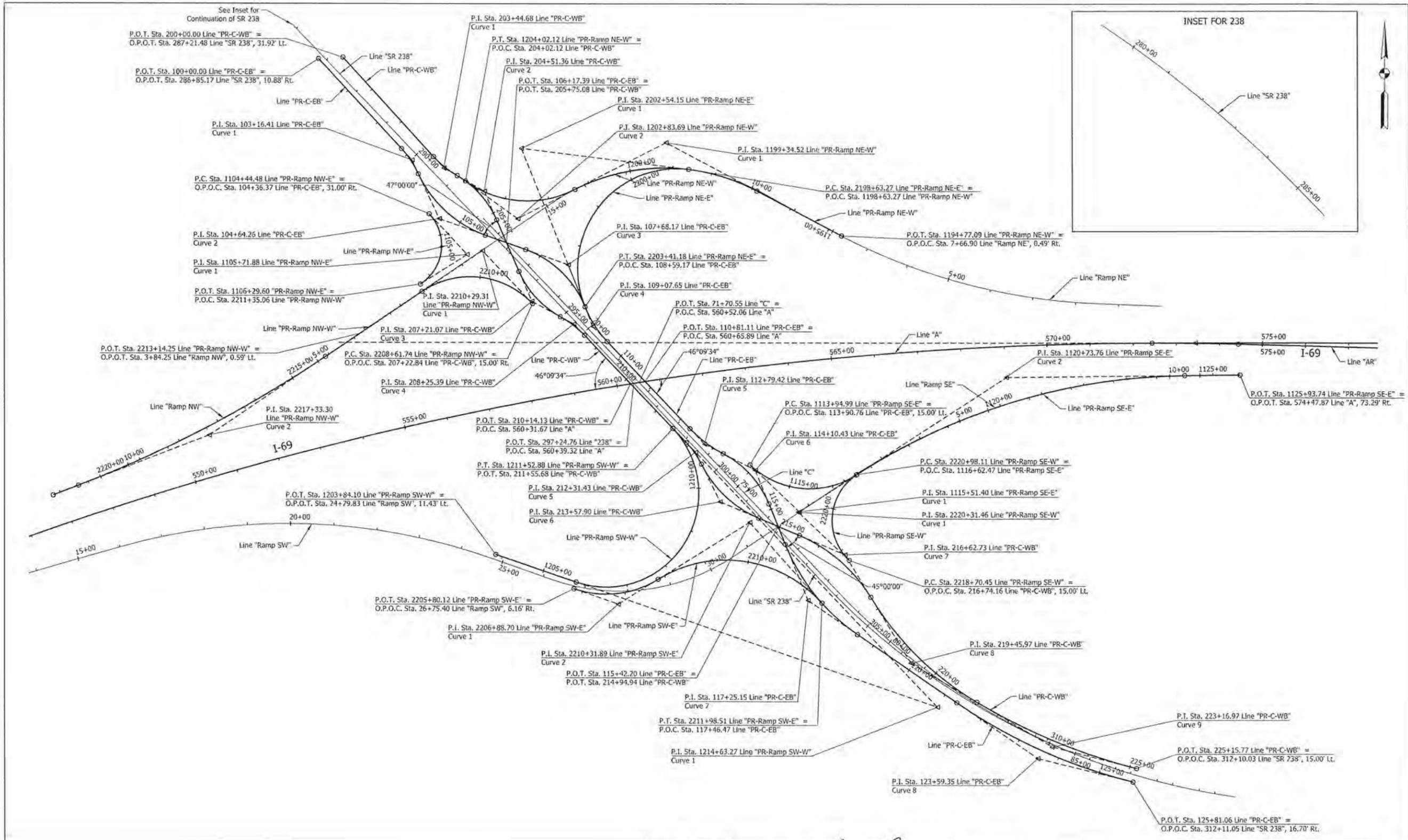


RECOMMENDED FOR APPROVAL
Matthew Taylor 9/17/15
DESIGN ENGINEER DATE
DESIGNED: ATW DRAWN: DJZ
CHECKED: MAT CHECKED: ATW

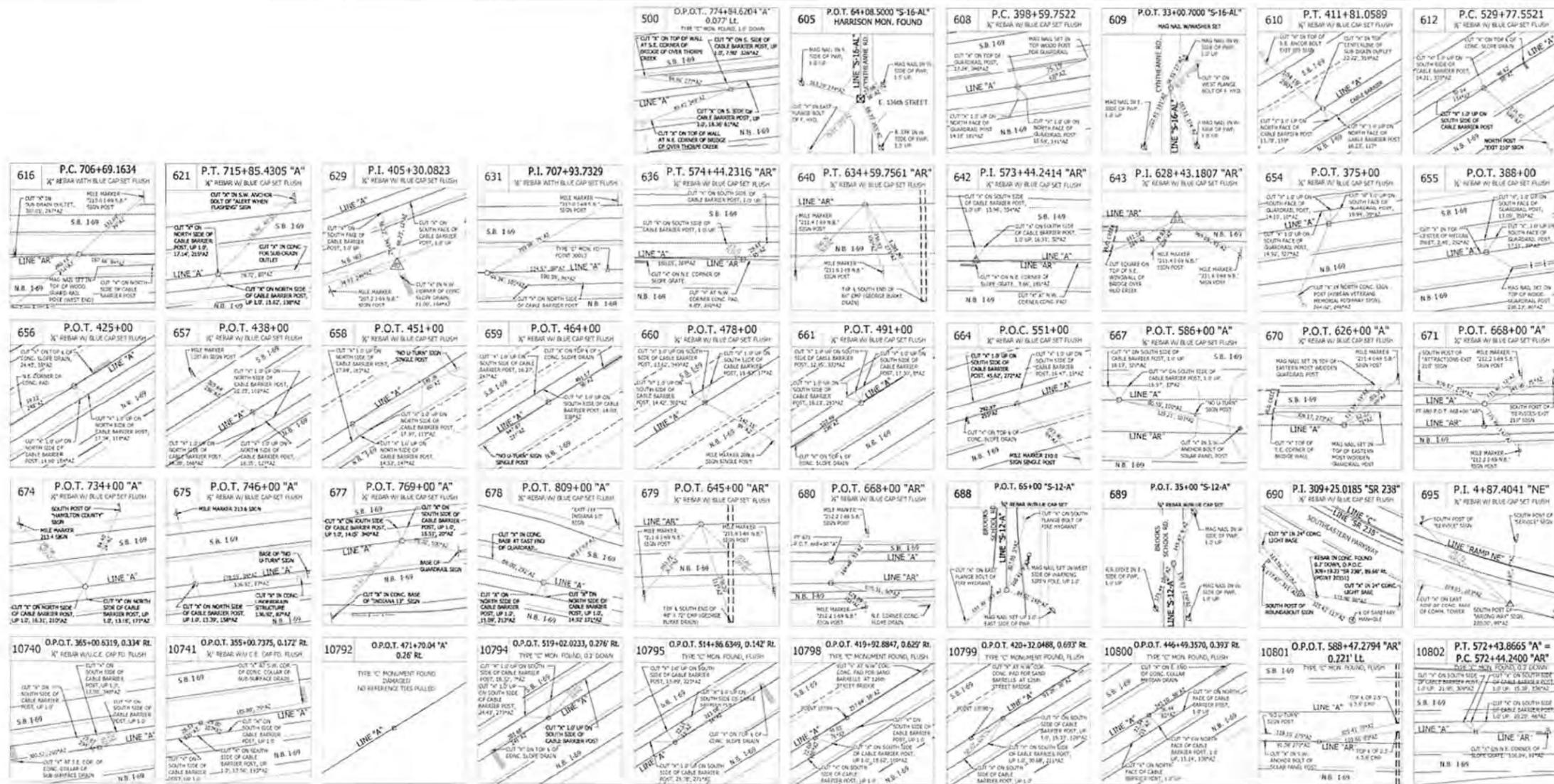
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
INCIDENTAL CONSTRUCTION

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	(I-69) 238-29-5317C
VERTICAL SCALE	DESIGNATION
	1383489
SURVEY BOOK	SHEETS
	14 of 291
CONTRACT	PROJECT
R-37053	1383332



	RECOMMENDED FOR APPROVAL: <i>Matthew Taylor</i> 9/12/15 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION GEOMETRIC SHEET	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: ATW DRAWN: JN CHECKED: MAT CHECKED: MAT		1"=100'	DESIGNATION
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			SURVEY BOOK	SHEETS
			ELECTRONIC	15 of 291
			CONTRACT	PROJECT
			R-37053	1383332



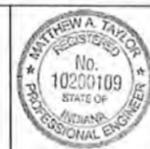
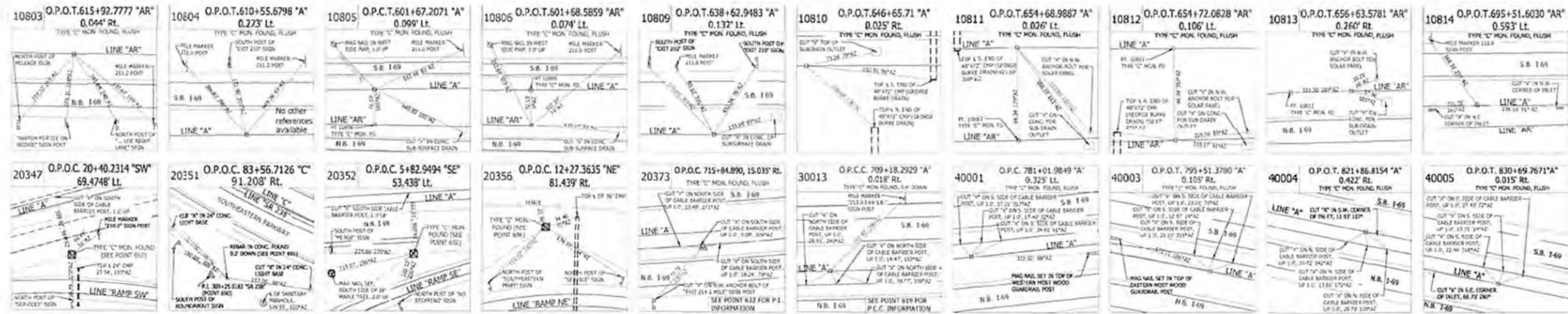
RECOMMENDED FOR APPROVAL *Matthew Taylor* 9/15/15
 No. 10200109
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

DESIGNED: ATW DRAWN: JN
 CHECKED: MAT CHECKED: MAT

INDIANA
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT REFERENCES

HORIZONTAL SCALE	N/A	BRIDGE FILE
VERTICAL SCALE		DESIGNATION
		1383332
SURVEY BOOK		SHEETS
ELECTRONIC	16	of 291
CONTRACT		PROJECT
R-37053		1383332



RECOMMENDED FOR APPROVAL: *Matthew Taylor* 9/1/15
 DESIGN ENGINEER DATE
 DESIGNED: ATW DRAWN: JIN
 CHECKED: MAT CHECKED: MAT

INDIANA DEPARTMENT OF TRANSPORTATION
 ALIGNMENT REFERENCES

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
	1383332
SURVEY BOOK	SHEETS
ELECTRONIC	17 of 291
CONTRACT	PROJECT
R-37053	1383332

CURVE NUMBER	DEGREE	RADIUS	SIMPLE CURVE DELTA	CURVE LENGTH	TANGENT	EXTERNAL	PROPOSED CURVE DATA TABLE (BASELINE)										D.S. (m.p.h.)	e	BEGIN BEARING	END BEARING
							PC, PRC OR PCC			PI (OF TANGENTS)		PT, PRC OR PCC								
							STATION	NORTHING	EASTING	NORTHING	EASTING	STATION	NORTHING	EASTING						
PR-C-WB-1	25° 27' 53"	225.00	17° 54' 02" (LT)	70.30	35.44	2.77	203+09.24	59506.590	37522.050	59480.700	37546.246	203+79.54	59463.500	37577.228	25	NC	S43° 03' 45"E	S60° 57' 48"E		
PR-C-WB-2	26° 38' 57"	215.00	36° 56' 35" (RT)	138.63	71.82	11.68	203+79.54	59463.500	37577.228	59428.641	37640.021	205+18.17	59363.041	37669.255	25	NC	S60° 57' 48"E	S24° 01' 13"E		
PR-C-WB-3	26° 38' 57"	215.00	38° 11' 29" (LT)	143.31	74.43	12.52	206+46.64	59245.694	37721.551	59177.707	37751.850	207+89.95	59143.006	37817.698	25	NC	S24° 01' 13"E	S62° 12' 41"E		
PR-C-WB-4	25° 27' 53"	225.00	17° 54' 04" (RT)	70.30	35.44	2.77	207+89.95	59143.006	37817.698	59126.485	37849.049	208+60.25	59101.127	37873.803	25	NC	S62° 12' 41"E	S44° 18' 37"E		
PR-C-WB-5	28° 38' 52"	200.00	17° 16' 50" (RT)	60.32	30.39	2.30	212+01.04	58857.269	38111.860	58835.522	38133.089	212+61.36	58808.451	38146.901	25	NC	S44° 18' 37"E	S27° 01' 47"E		
PR-C-WB-6	22° 02' 13"	260.00	40° 44' 20" (LT)	184.87	96.54	17.34	212+61.36	58808.451	38146.901	58722.460	38190.771	214+46.23	58685.936	38280.131	25	NC	S27° 01' 47"E	S67° 46' 07"E		
PR-C-WB-7	16° 08' 23"	355.00	35° 37' 48" (RT)	220.76	114.08	17.88	215+48.65	58647.183	38374.943	58604.021	38480.543	217+69.41	58507.422	38541.230	25	NC	S67° 46' 07"E	S32° 08' 20"E		
PR-C-WB-8	8° 04' 52"	709.00	27° 58' 00" (LT)	346.07	176.55	21.65	217+69.41	58507.422	38541.230	58357.923	38635.152	221+15.48	58269.928	38788.214	35	NC	S32° 08' 20"E	S60° 06' 19"E		
PR-C-WB-9	4° 02' 26"	1418.00	16° 10' 27" (LT)	400.29	201.49	14.24	221+15.48	58269.928	38788.214	58169.506	38962.890	225+15.77	58121.716	39158.627	45	6.9%	S60° 06' 19"E	S76° 16' 46"E		
PR-C-EB-1	25° 27' 53"	225.00	17° 49' 58" (RT)	70.03	35.30	2.75	102+81.11	59524.323	37448.002	59498.669	37472.250	103+51.13	59466.822	37487.477	25	NC	S43° 23' 10"E	S25° 33' 11"E		
PR-C-EB-2	21° 13' 14"	270.00	45° 28' 01" (LT)	214.26	113.13	22.74	103+51.13	59466.822	37487.477	59364.758	37536.275	105+65.39	59327.965	37643.253	25	NC	S25° 33' 11"E	S71° 01' 13"E		
PR-C-EB-3	24° 54' 40"	230.00	48° 34' 19" (RT)	194.98	103.78	22.33	106+64.39	59295.768	37736.866	59262.015	37835.005	108+59.37	59166.098	37874.634	25	NC	S71° 01' 13"E	S22° 26' 53"E		
PR-C-EB-4	22° 55' 06"	250.00	21° 51' 44" (LT)	95.39	48.28	4.62	108+59.37	59166.098	37874.634	59121.473	37893.071	109+54.76	59086.924	37926.798	25	NC	S22° 26' 53"E	S44° 18' 37"E		
PR-C-EB-5	19° 45' 26"	290.00	19° 03' 35" (LT)	96.47	48.68	4.06	112+30.73	58869.447	38119.577	58854.610	38153.585	113+27.20	58832.788	38197.105	25	NC	S44° 18' 37"E	S63° 22' 12"E		
PR-C-EB-6	25° 27' 53"	225.00	40° 36' 05" (RT)	159.44	83.23	14.90	113+27.20	58832.788	38197.105	58795.481	38271.509	114+86.64	58718.734	38303.721	25	NC	S63° 22' 12"E	S22° 46' 07"E		
PR-C-EB-7	12° 27' 20"	460.00	33° 32' 24" (LT)	269.28	138.62	20.43	115+86.53	58626.631	38342.378	58498.813	38396.026	118+55.81	58421.918	38511.363	25	2.0%	S22° 46' 07"E	S56° 18' 32"E		
PR-C-EB-8	4° 34' 35"	1252.00	20° 30' 51" (LT)	448.26	226.56	20.33	121+32.79	58268.269	38741.827	58142.594	38930.331	125+81.06	58090.947	39150.923	45	6.6%	S56° 18' 32"E	S76° 49' 22"E		
PR-RAMP NE-W-1	12° 27' 20"	460.00	54° 33' 47" (RT)	438.06	237.24	57.57	1196+97.28	59434.255	38271.629	59434.255	38271.629	1201+35.34	58944.439	39150.923	35	4.0%	N62° 46' 16"W	S76° 49' 22"E		
PR-RAMP NE-W-2	23° 23' 10"	245.00	62° 23' 18" (RT)	266.78	148.34	41.41	1201+35.34	59434.255	38271.629	59366.323	37717.795	1204+02.12	59451.524	37596.360	25	2.4%	S62° 39' 57"W	N54° 56' 44"W		
PR-RAMP NW-E-1	24° 54' 40"	230.00	119° 03' 11" (LT)	477.91	390.88	223.53	2198+63.27	59482.793	38113.305	59527.412	37724.983	2203+41.18	59166.285	37874.557	25	3.8%	N83° 26' 44"W	S22° 29' 55"E		
PR-RAMP NW-W-1	28° 38' 52"	200.00	79° 54' 59" (LT)	278.96	167.57	60.92	2208+61.74	59172.499	37753.398	59292.374	37636.308	2211+40.70	59198.081	37497.784	25	2.0%	N44° 19' 36"W	S55° 45' 25"W		
PR-RAMP NE-E-1	54° 34' 03"	105.00	101° 00' 46" (RT)	185.12	127.40	60.10	1104+44.48	59375.557	37513.237	59283.356	37601.162	1106+29.60	59214.663	37493.863	25	2.0%	N43° 38' 25"E	S57° 22' 21"W		
PR-RAMP NW-W-2	2° 00' 00"	2864.79	12° 53' 27" (RT)	644.54	23.63	18.22	2214+09.67	59046.732	37275.440	58864.622	37007.904	2220+54.21	58746.786	36706.484	50	ex.	N55° 45' 25"W	N68° 39' 52"W		
PR-RAMP SE-W-1	45° 50' 12"	125.00	104° 21' 08" (RT)	227.66	161.01	78.84	2218+70.45	58591.422	38490.536	58700.172	38371.801	2220+98.11	58788.243	38506.590	25	2.7%	N47° 30' 47"W	N56° 50' 21"E		
PR-RAMP SE-E-1	28° 38' 52"	200.00	76° 03' 17" (LT)	265.48	156.41	53.90	1113+94.99	58807.712	38259.363	58701.412	38374.100	1116+60.47	58787.150	38504.919	25	2.0%	S47° 11' 10"E	N56° 45' 33"E		
PR-RAMP SE-E-2	4° 00' 24"	1430.00	32° 14' 22" (RT)	804.64	413.28	58.52	1116+60.47	58787.150	38504.919	59013.694	38850.578	1124+65.11	59020.915	39263.799	45	5.7%	N56° 45' 33"E	N88° 59' 56"E		
PR-RAMP SW-W-1	26° 38' 57"	215.00	152° 38' 07" (LT)	572.76	883.14	693.94	1205+80.12	58535.444	37858.729	58257.778	38697.088	1211+52.88	58889.728	38080.173	25	3.8%	S71° 40' 30"E	N44° 18' 37"W		
PR-RAMP SW-E-1	24° 48' 12"	231.00	50° 21' 00" (LT)	203.00	108.58	24.24	2205+80.12	58520.255	37853.698	58486.118	37956.769	2207+83.12	58543.695	38048.823	25	3.8%	S71° 40' 30"E	N57° 58' 30"E		
PR-RAMP SW-E-2	19° 05' 55"	300.00	79° 20' 05" (RT)	415.40	248.78	89.73	2207+83.12	58543.695	38048.823	58675.619	38259.740	2211+98.51	58492.760	38428.419	25	2.0%	N57° 58' 30"E	S42° 41' 25"E		

CURVE NUMBER	DEGREE	RADIUS	SIMPLE CURVE DELTA	CURVE LENGTH	TANGENT	EXTERNAL	EXISTING CURVE DATA TABLE (BASELINE)										e	BEGIN BEARING	END BEARING
							PC, PRC OR PCC			PI (OF TANGENTS)		PT, PRC OR PCC							
							STATION	NORTHING	EASTING	NORTHING	EASTING	STATION	NORTHING	EASTING					
238-1	1° 59' 59"	2865.01	12° 36' 00" (RT)	630.05	316.30	17.41	279+10.60	60238.689	36675.826	60065.984	36940.815	285+40.65	59839.634	37161.747	EXISTING	S56° 54' 22"E	S44° 18' 22"E		
238-2	3° 30' 00"	1637.03	38° 07' 00" (LT)	1089.05	565.54	94.93	303+59.48	58538.044	38432.183	58133.333	38827.207	314+48.53	58058.758	39387.808	EXISTING	S44° 18' 22"E	S82° 25' 22"E		
C-1	3° 38' 58"	1569.99	38° 07' 00" (LT)	1044.45	542.38	91.05	78+34.40	58519.243	38465.102	58131.105	38843.949	88+78.85	58059.585	39381.593	EXISTING	S44° 18' 22"E	S82° 25' 22"E		
RAMP SW-1	0° 44' 23"	7746.75	5° 44' 40" (RT)	776.67	388.66	9.74	1+01.25	58019.676	35428.441	58211.540	35766.443	8+77.92	58368.610	36121.950	EXISTING	N60° 25' 08"E	N66° 09' 48"E		
RAMP SW-2	1° 20' 02"	4295.01	7° 39' 17" (RT)	573.81	287.33	9.60	8+77.92	58368.610	36121.950	58484.729	36384.771	14+51.72	58564.805	36660.717	EXISTING	N66° 09' 48"E	N73° 49' 04"E		
RAMP SW-3	4° 00' 00"	1432.39	35° 00' 00" (RT)	875.00	451.63	69.51	16+02.50	58606.826	36805.524	58732.692	37239.260	24+77.50	58587.014	37666.750	EXISTING	N73° 49' 04"E	S71° 10' 56"E		
RAMP SW-4	12° 00' 00"	477.46	53° 07' 26" (LT)	442.70	238.70	56.34	26+19.85	58541.097	37801.491	58464.102	38027.432	30+62.55	58598.636	38224.608	EXISTING	S71° 10' 56"E	N55° 41' 38"E		
RAMP NW-1	2° 00' 00"	2864.72	13° 57' 16" (RT)	697.71	350.59	21.37	4+78.17	59047.980	37276.414	58850.383	36986.813	11+75.88	58728.455	36658.108	EXISTING	S55° 41' 38"W	S69° 38' 55"W		
RAMP SE-1	4° 00' 00"	1432.39	30° 51' 51" (RT)	771.60	395.41	53.57	1+97.05	58770.487	38476.476	58993.345	38803.100	9+68.65	59017.084	39197.797	EXISTING	N55° 41' 38"E	N86° 33' 29"E		
RAMP SE-2	2° 00' 00"	2864.90	3° 00' 00" (RT)	150.01	75.02	0.98	9+68.65	59017.084	39197.797	59021.588	39272.681	11+18.66	59022.166	39347.699	EXISTING	N86° 33' 29"E	N89° 33' 29"E		
RAMP NE-1	4° 00' 00"	1432.39	26° 30' 00" (RT)	662.50	337.28	39.17	1+50.12	59184.009	39060.298	59194.695	38723.183	8+12.62	59354.679	38426.256	EXISTING	N88° 11' 04"W	N61° 41' 04"W		
RAMP NE-2	12° 00' 00"	477.47	62° 37' 16" (LT)	521.85	290.43	81.39	9+66.70	59427.763	38290.612	59565.523	38034.932	14+88.55	59401.833	37795.026	EXISTING	N61° 41' 04"W	S55° 41' 38"W		

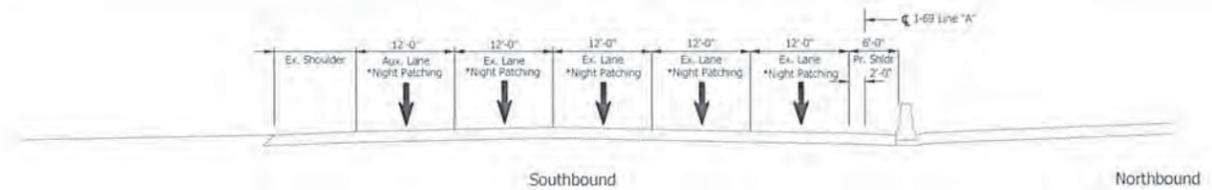


RECOMMENDED FOR APPROVAL: *Matthew Taylor* 9/1/15
 DESIGN ENGINEER
 DATE
 DESIGNED: ATW DRAWN: JN
 CHECKED: MAT CHECKED: MAT

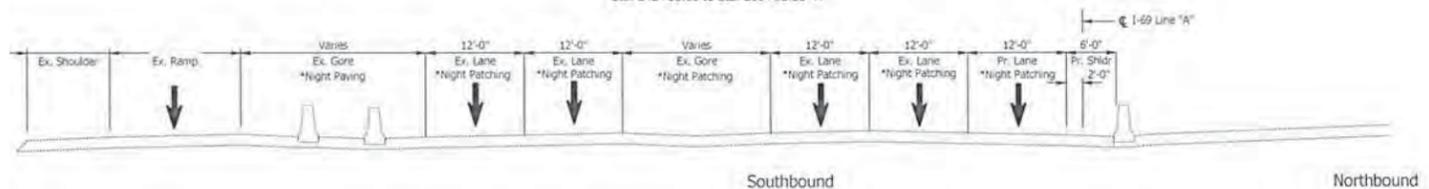
INDIANA DEPARTMENT OF TRANSPORTATION
 GEOMETRIC SHEET

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
	1383332
SURVEY BOOK	SHEETS
ELECTRONIC	18 of 291
CONTRACT	PROJECT
R-37053	1383332

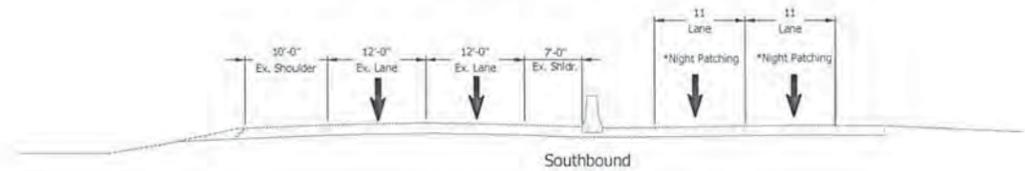
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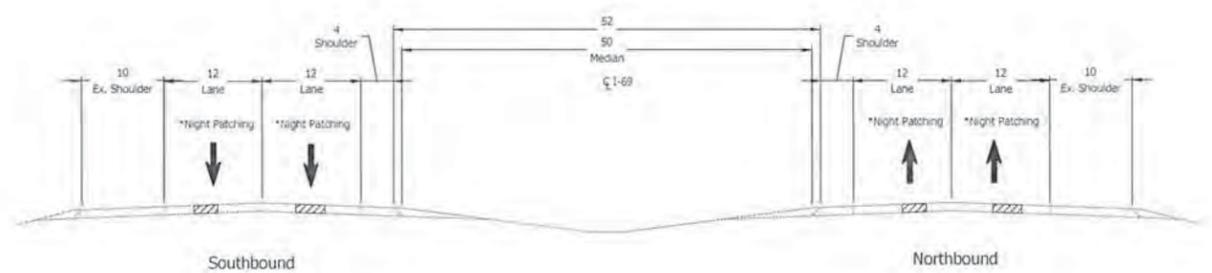
PHASE Ia
MAIN LINE PATCHING
Sta. 242+85.00 to Sta. 261+00.00 "A"



PHASE Ia
MAIN LINE PATCHING
Sta. 261+00.00 to Sta. 271+27.06 "A"
Sta. 271+27.06 to Sta. 275+22.06 "A"
Sta. 275+22.06 to Sta. 285+25.00 "A"



PHASE Ia
MAIN LINE PATCHING
Sta. 285+25.00 TO Sta. 307+10.00 "A"



PHASE Ia
MAIN LINE PATCHING
Sta. 307+10.00 TO Sta. 994+47.65 "A"
Sta. 56+00.00 TO Sta. 139+89.48 "C"



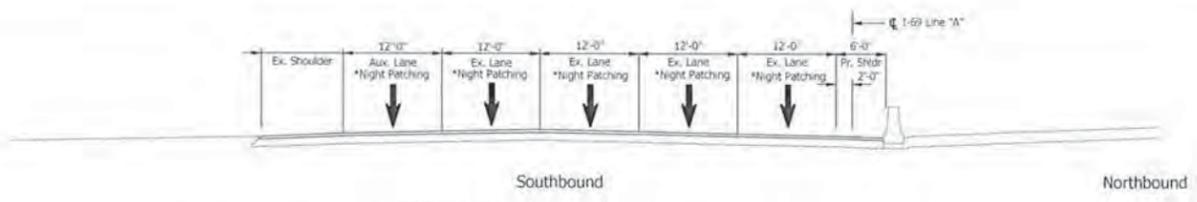
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-595-2555
Fax 317-595-2396
www.ucindy.com



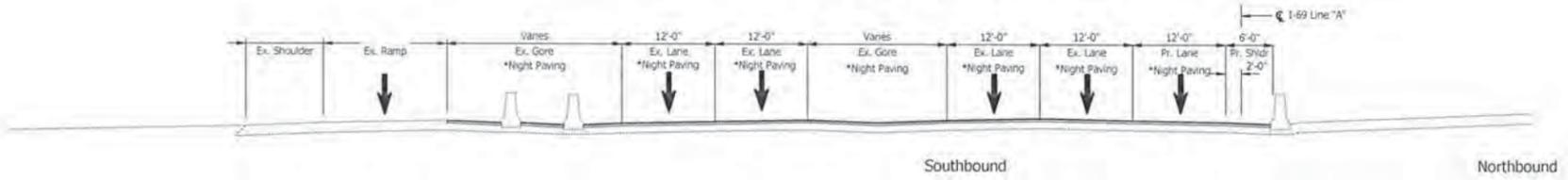
RECOMMENDED FOR APPROVAL: *[Signature]* 9/17/15
DESIGN ENGINEER DATE
DESIGNED: JRA DRAWN: DJZ
CHECKED: MAT CHECKED: JRA

INDIANA
DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC
I-69 TYPICAL SECTION

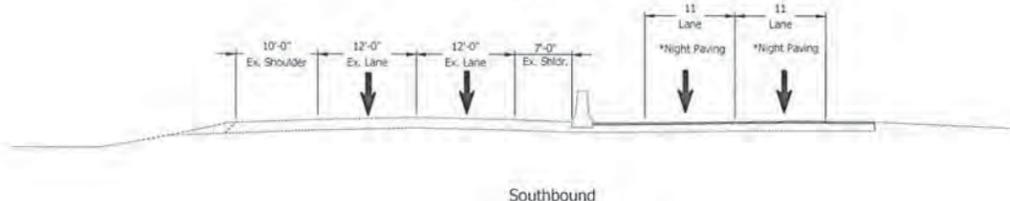
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1" = 50'-0"	-
VERTICAL SCALE	DESIGNATION
-	1383332
SURVEY BOOK	SHEETS
-	19 of 291
CONTRACT	PROJECT
R-37053	1383332



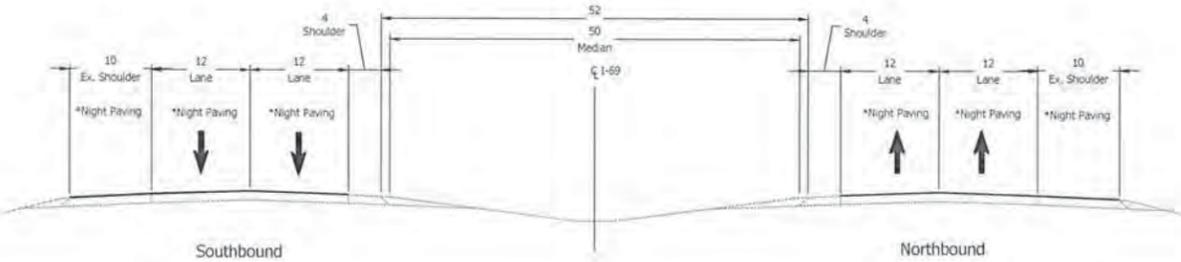
PHASE Ib
MILLING AND OVERLAY (INTERMEDIATE ONLY)
Sta. 242+85.00 to Sta. 261+00.00 "A"



PHASE Ib
MILLING AND OVERLAY (INTERMEDIATE ONLY)
Sta. 261+00.00 to Sta. 271+27.06 "A"
Sta. 271+27.06 to Sta. 275+22.06 "A"
Sta. 275+22.06 to Sta. 285+25.00 "A"



PHASE Ib
MILLING AND OVERLAY (INTERMEDIATE ONLY)
Sta. 285+25.00 TO Sta. 307+10.00 "A"



PHASE Ib
MILLING AND OVERLAY (INTERMEDIATE ONLY)
Sta. 307+10.00 TO Sta. 984+47.65 "A"
Sta. 56+00.00 TO Sta. 139+89.48 "C"

File Name: P:\CDD\MK\15-469\Markers\DOT_Typical.dwg Plot Date: 8/11/2015 Plotted By: Andrews, Jeff



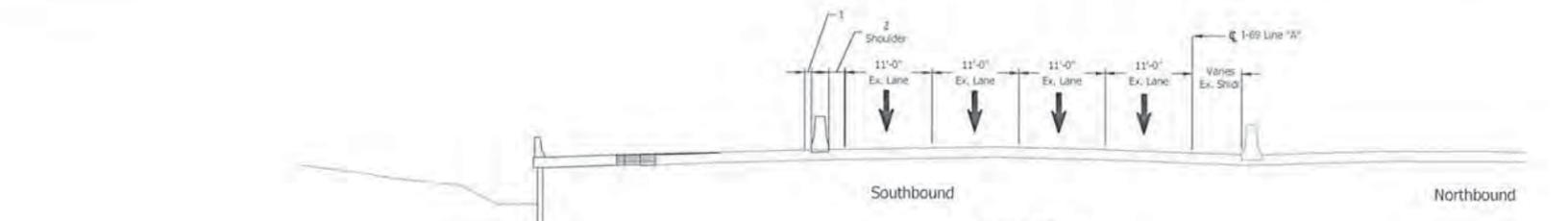
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-595-2555
Fax 317-595-2596
www.ucindy.com



RECOMMENDED FOR APPROVAL: *[Signature]* 9/17/15
DESIGN ENGINEER DATE
DESIGNED: JRA DRAWN: DJZ
CHECKED: MAT CHECKED: JRA

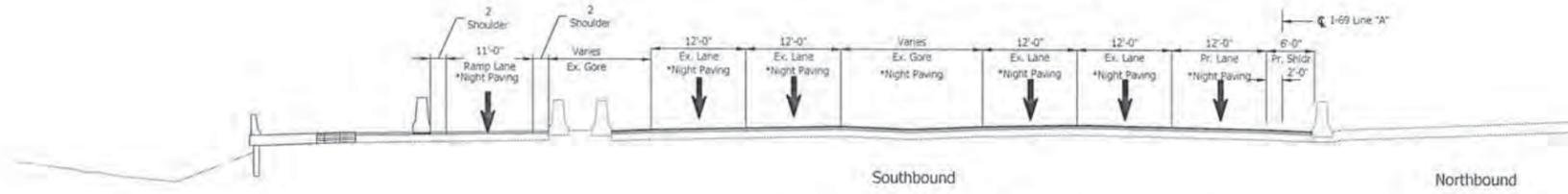
INDIANA
DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC
I-69 TYPICAL SECTION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	-
VERTICAL SCALE	DESIGNATION
	1383332
SURVEY BOOK	SHEETS
-	20 of 291
CONTRACT	PROJECT
R-37053	1383332



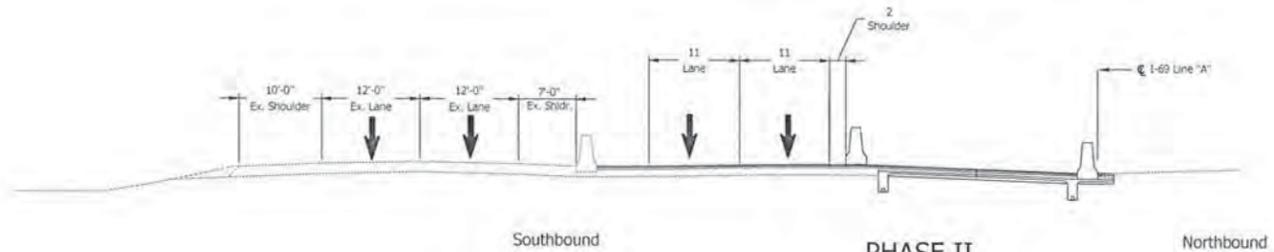
**PHASE II
WIDEN RAMP LANE AND SHOULDER**

Sta. 242+85.00 TO Sta. 261+00.00 "A"



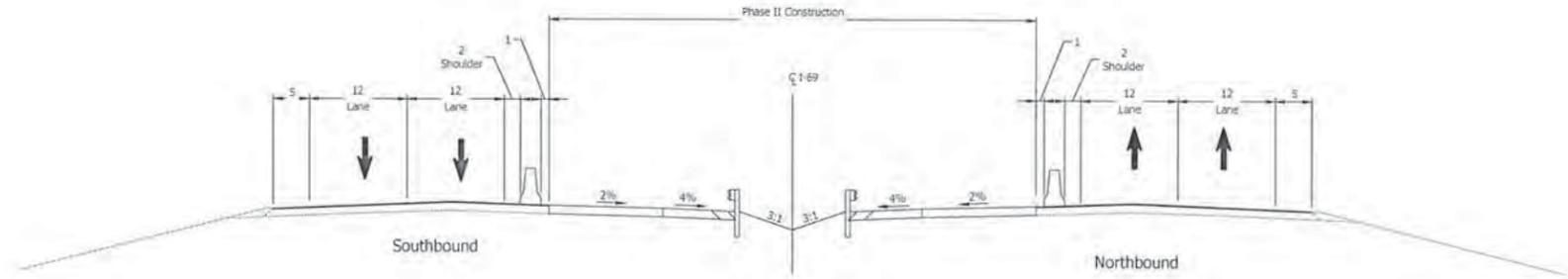
**PHASE II
WIDEN RAMP LANE AND SHOULDER**

Sta. 261+00.00 TO Sta. 271+27.06 "A"



**PHASE II
WIDEN MEDIAN**

Sta. 285+25.00 TO Sta. 307+10.00 "A"



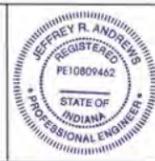
**PHASE II
WIDEN MEDIAN**

Sta. 307+10.00 TO Sta. 984+47.65 "A"
Sta. 56+00.00 TO Sta. 139+89.48 "C"

File: I:\main\p\1303\WK15-669\Main\DOT_Typical.dwg Plot Date: 8/31/2015 Plotted By: Andrews, Jeff



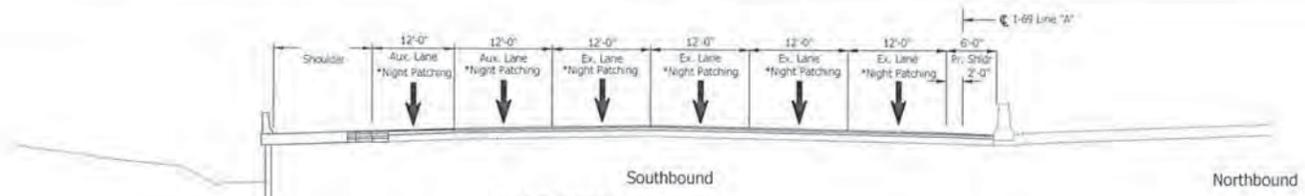
1625 N. Post Road
Indianapolis, IN 46219
Phone 317-595-2555
Fax 317-595-2596
www.ueindy.com



RECOMMENDED FOR APPROVAL: *JRA* 9/12/15
DESIGN ENGINEER DATE
DESIGNED: JRA DRAWN: DJZ
CHECKED: MAT CHECKED: JRA

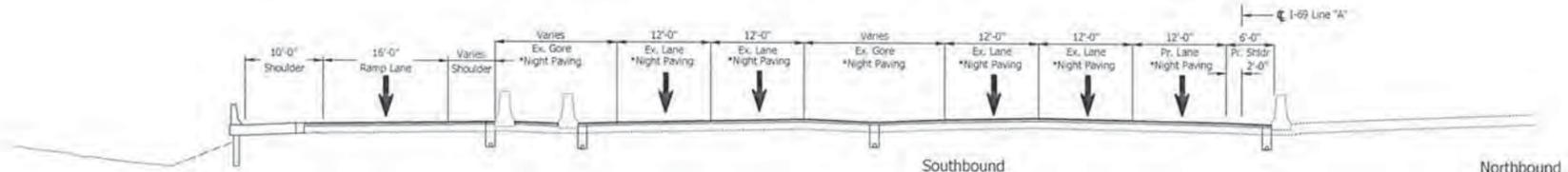
INDIANA
DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC
I-69 TYPICAL SECTION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	-
VERTICAL SCALE	DESIGNATION
-	1383332
SURVEY BOOK	SHEETS
-	21 of 291
CONTRACT	PROJECT
R-37053	1383332



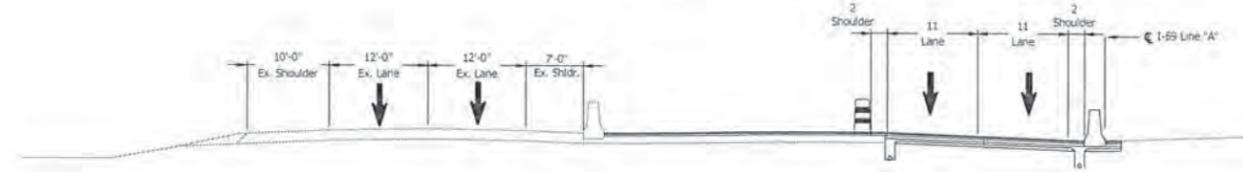
PHASE IIIa
SURFACE SHOULDER AND DRIVING LANES

Sta. 242+85.00 to Sta. 261+00.00 "A"



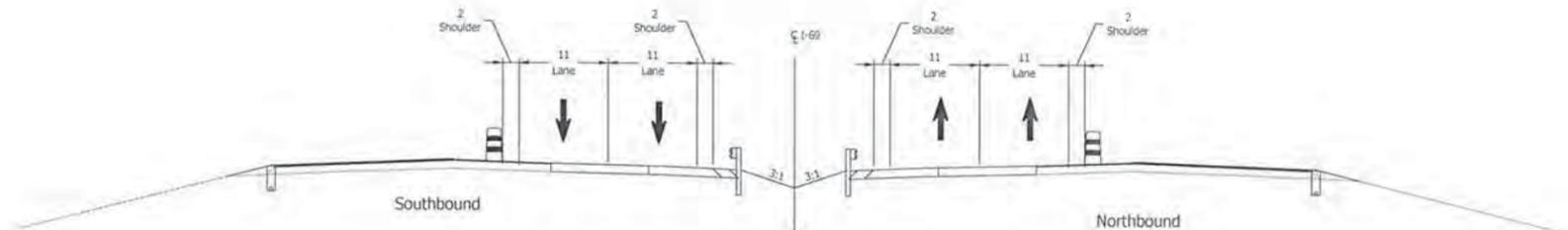
PHASE IIIa
INSTALL RETRO-FIT UNDERDRAIN
SURFACE SHOULDERS AND DRIVING LANES

Sta. 261+00.00 to Sta. 271+27.06 "A"
 Sta. 271+27.06 to Sta. 275+22.06 "A"
 Sta. 275+22.06 to Sta. 285+25.00 "A"



PHASE IIIa
SURFACE SHOULDER AND DRIVING LANES

Sta. 285+25.00 TO Sta. 307+10.00 "A"



PHASE IIIa
INSTALL RETRO-FIT UNDERDRAIN
SURFACE OUTSIDE SHOULDER AND DRIVING LANE

Sta. 307+10.00 TO Sta. 984+47.65 "A"
 Sta. 56+00.00 TO Sta. 139+89.48 "C"

File Name: P:\CD\15-169\Masters\TCT Typical.dwg Plot Date: 8/31/2015 Plotted By: Andrews, Jeff



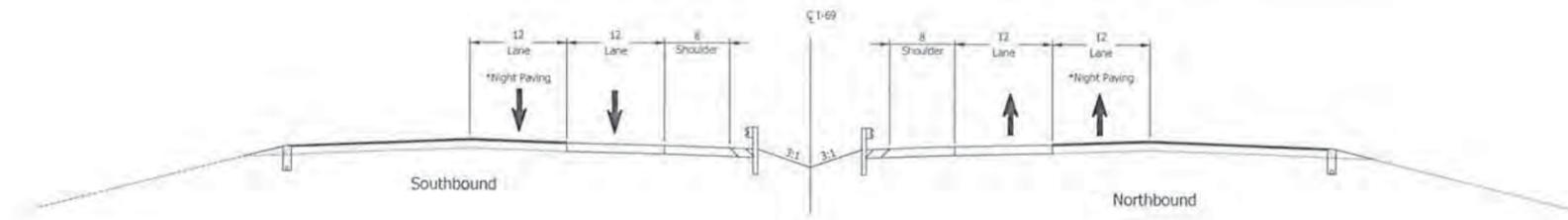
1625 N. Post Road
 Indianapolis, IN 46219
 Phone 317-595-2555
 Fax 317-595-2596
 www.ucindy.com



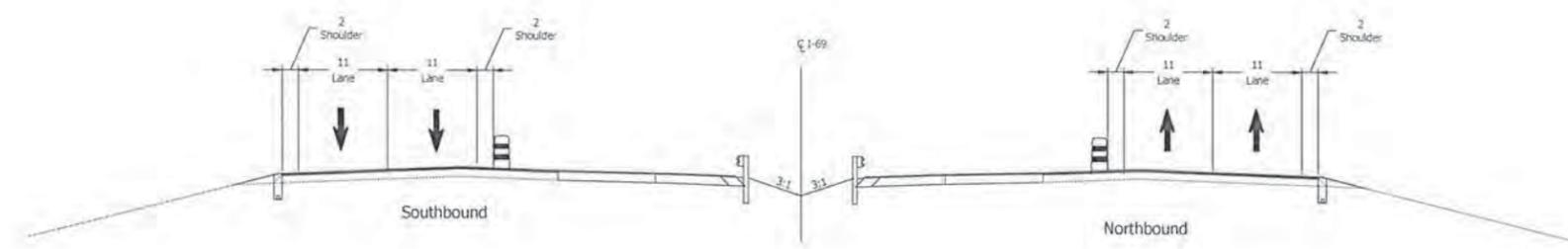
RECOMMENDED FOR APPROVAL: *[Signature]* 9/12/15
 DESIGN ENGINEER DATE
 DESIGNED: JRA DRAWN: DJZ
 CHECKED: MAT CHECKED: JRA

INDIANA
 DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC
 I-69 TYPICAL SECTION

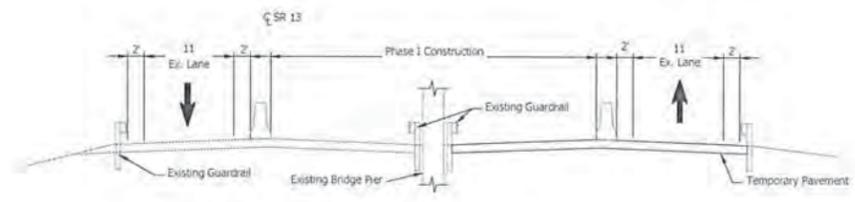
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	-
VERTICAL SCALE	DESIGNATION
-	1383332
SURVEY BOOK	SHEETS
-	22 of 291
CONTRACT	PROJECT
R-37053	1383332



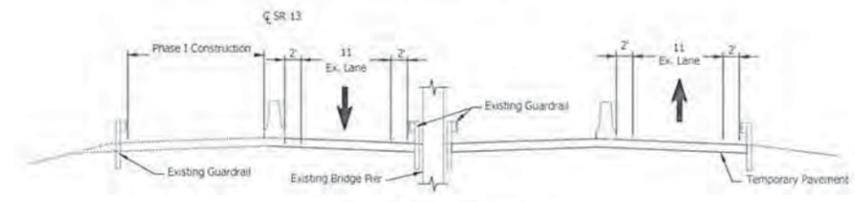
PHASE IIIb
SURFACE MIDDLE DRIVING LANE
 Sta. 307+10.00 TO Sta. 984+47.65 "A"



PHASE IV
SURFACE INSIDE DRIVING LANE AND MEDIAN SHOULDER
 Sta. 307+10.00 TO Sta. 984+47.65 "A"
 Sta. 56+00.00 TO Sta. 139+89.48 "C"



SR 13 Phase I

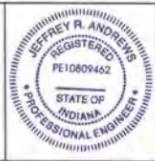


SR 13 Phase II

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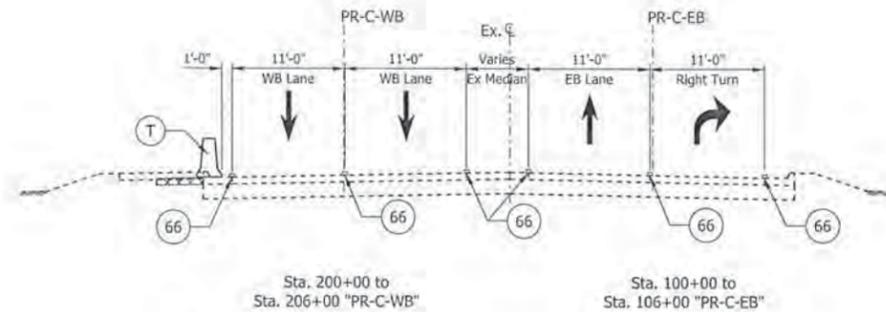
1625 N. Post Road
 Indianapolis, IN 46219
 Phone 317-595-2555
 Fax 317-595-2596
 www.ucndv.com



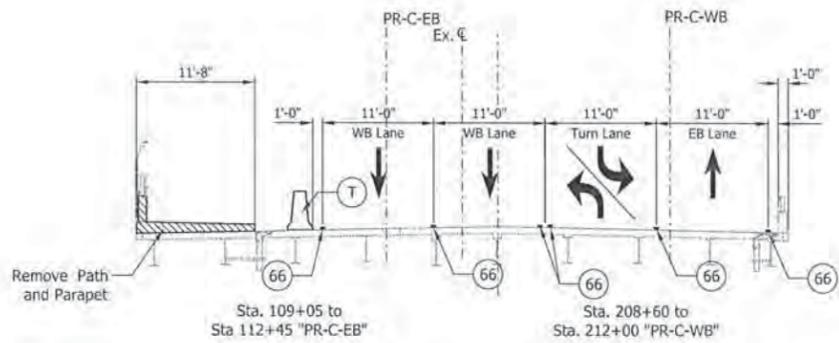
RECOMMENDED FOR APPROVAL: *JRA* 9/17/15
 DESIGN ENGINEER DATE
 DESIGNED: JRA DRAWN: DJZ
 CHECKED: MAT CHECKED: JRA

INDIANA
 DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC
 I-69 TYPICAL SECTION

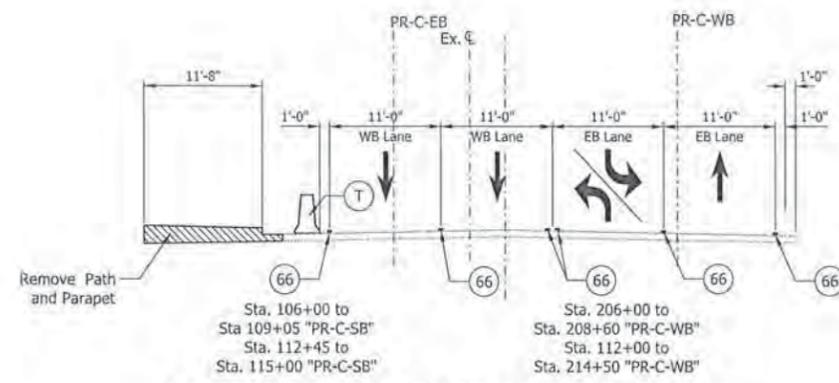
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	-
VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
	23 of 291
CONTRACT	PROJECT
R-37053	1383332



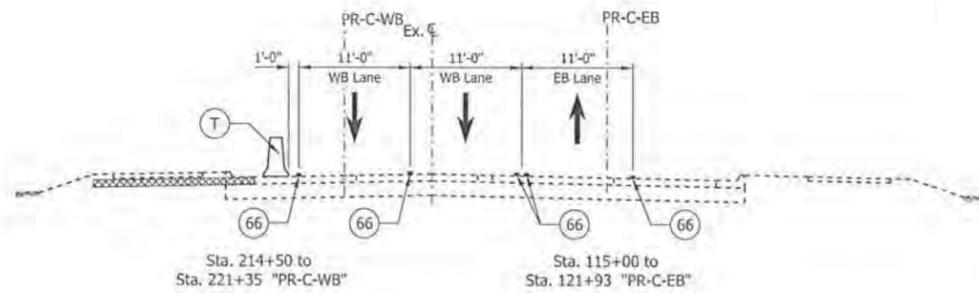
**CAMPUS PARKWAY
PHASE I**



**CAMPUS PARKWAY BRIDGE OVER I-69
PHASE I**



**CAMPUS PARKWAY BETWEEN RAMPS
PHASE I**



**SOUTHEASTERN PARKWAY
PHASE I**

Temporary Pavement:
 165#/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on
 385#/sys QC/QA, 3, 70, Intermediate, 19.0 mm on
 550#/sys QC/QA, 3, 64, Base, 25.0 mm on
 Subgrade Treatment, Type IB (cement only)

NOTE: STA. RANGES ARE APPROXIMATE.

LEGEND	
(66) Temporary Pavement Marking, Removable, 4"	Temporary Pavement
(67) Energy Absorbing Terminal, CZ, TL-2	Construction Area
(A) Existing Pavement Marking To Remain	Flashing Arrow Sign
	Direction of Traffic
	Temporary Traffic Barrier, Type 2
	Pavement Completed in Previous Stage (s)
	Type III-A Barricades
	Standard Drum
	Construction Sign w/Type 'A' Construction Warning Light
	Ground Mounted Panel Sign
	Typical Sign Standard

RECOMMENDED FOR APPROVAL: *[Signature]* 7/17/15
 DESIGN ENGINEER DATE

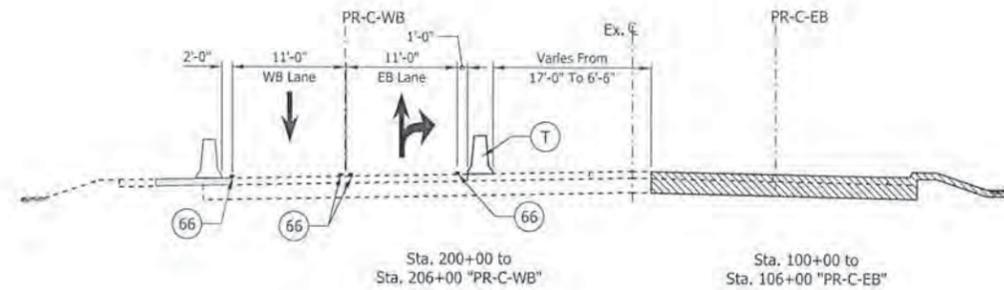
DESIGNED: JRA DRAWN: DJZ
 CHECKED: MAT CHECKED: JRA

JEFFREY R. ANDREWS
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA
 PE10809462

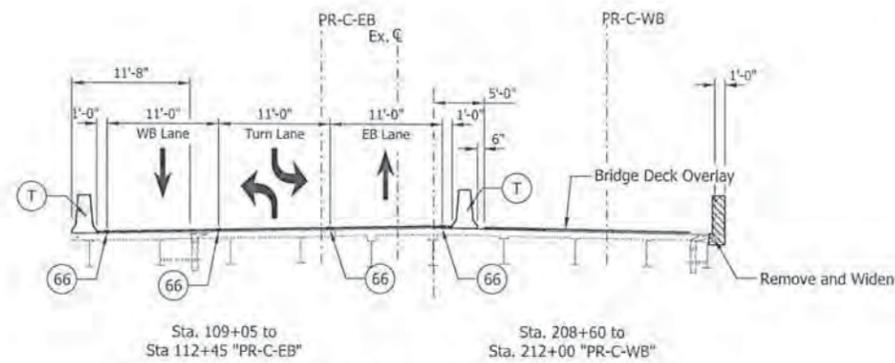
INDIANA
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS

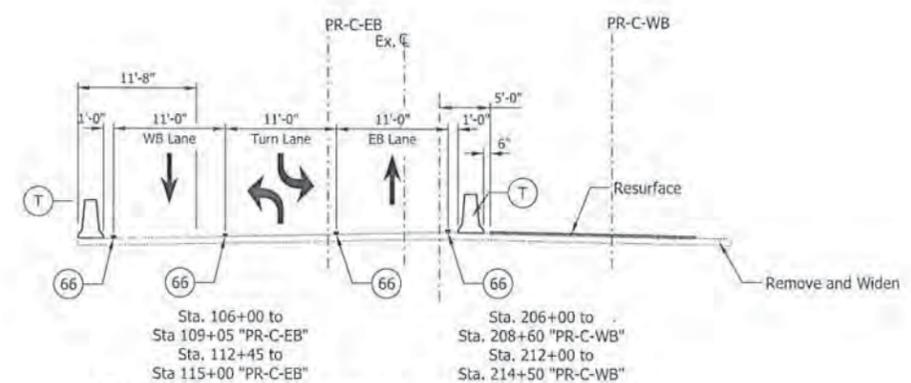
HORIZONTAL SCALE	BRIDGE FILE
1" = 8"	
VERTICAL SCALE	DESIGNATION
N/A	1383489
SURVEY BOOK	SHEETS
ELECTRONIC	24 of 291
CONTRACT	PROJECT
R-37053	1383332



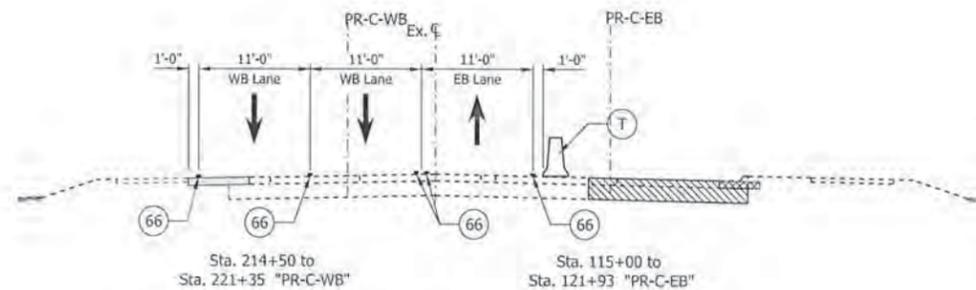
CAMPUS PARKWAY/ SOUTHEASTERN PARKWAY
PHASE II



CAMPUS PARKWAY BRIDGE OVER I-69
PHASE II



CAMPUS PARKWAY BETWEEN RAMPS
PHASE II

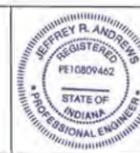


CAMPUS PARKWAY/ SOUTHEASTERN PARKWAY
PHASE II

NOTE: STA. RANGES ARE APPROXIMATE.

LEGEND

- (66) Temporary Pavement Marking, Removable, 4"
- (67) Energy Absorbing Terminal, CZ, TL-2
- (A) Existing Pavement Marking To Remain
- Temporary Pavement
- Construction Area
- Flashing Arrow Sign
- Direction of Traffic
- Temporary Traffic Barrier, Type 2
- Pavement Completed in Previous Stage (s)
- Type III-A Barricades
- Standard Drum
- Construction Sign w/Type "A" Construction Warning Light
- Ground Mounted Panel Sign
- Typical Sign Standard



RECOMMENDED FOR APPROVAL: *JRA* 9/17/15
DESIGN ENGINEER DATE

DESIGNED: JRA DRAWN: DJZ
CHECKED: MAT CHECKED: JRA

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
N/A	1383489
SURVEY BOOK	SHEETS
ELECTRONIC	25 of 291
CONTRACT	PROJECT
R-37053	1383332