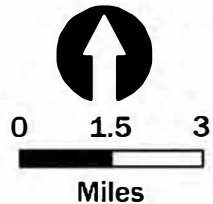


- Study Area
- Interstate
- Incorporated Areas
- State Road
- County Boundaries
- Local Road



Sources:
 Non Orthophotography Data -
 Obtained from the State of Indiana Geographical
 Information Office Library
 Orthophotography -
 Obtained from Indiana Map
 Framework Data (www.indianamap.org)

Revive I-70
 Wayne County, Indiana
 Project Location

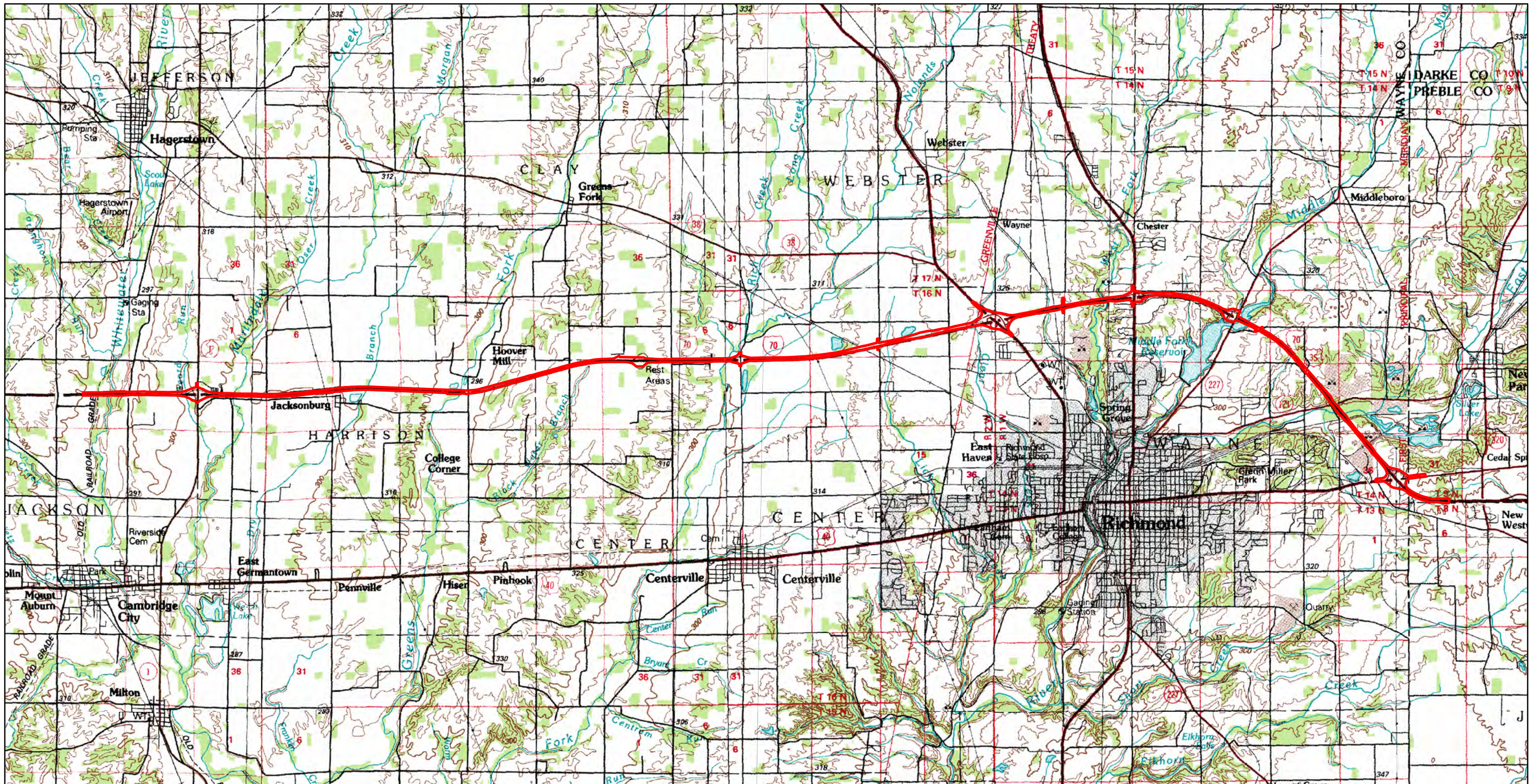
Des. 2002424

Date: 7/14/2022

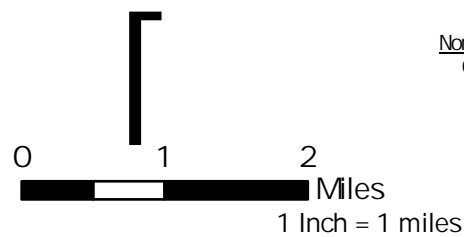


PARSONS

Created by: KDV



 Project Area



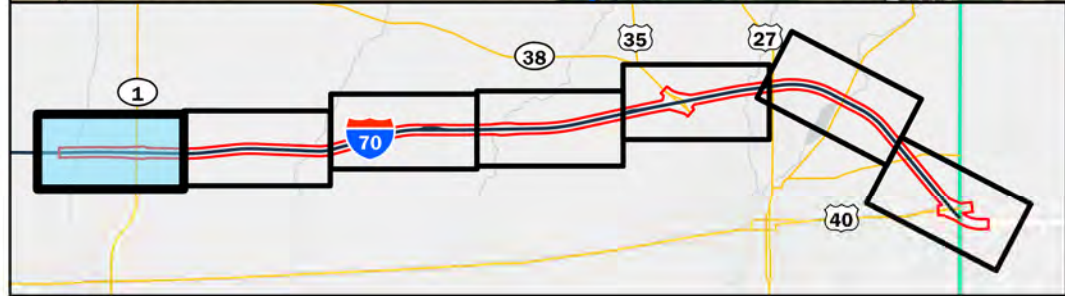
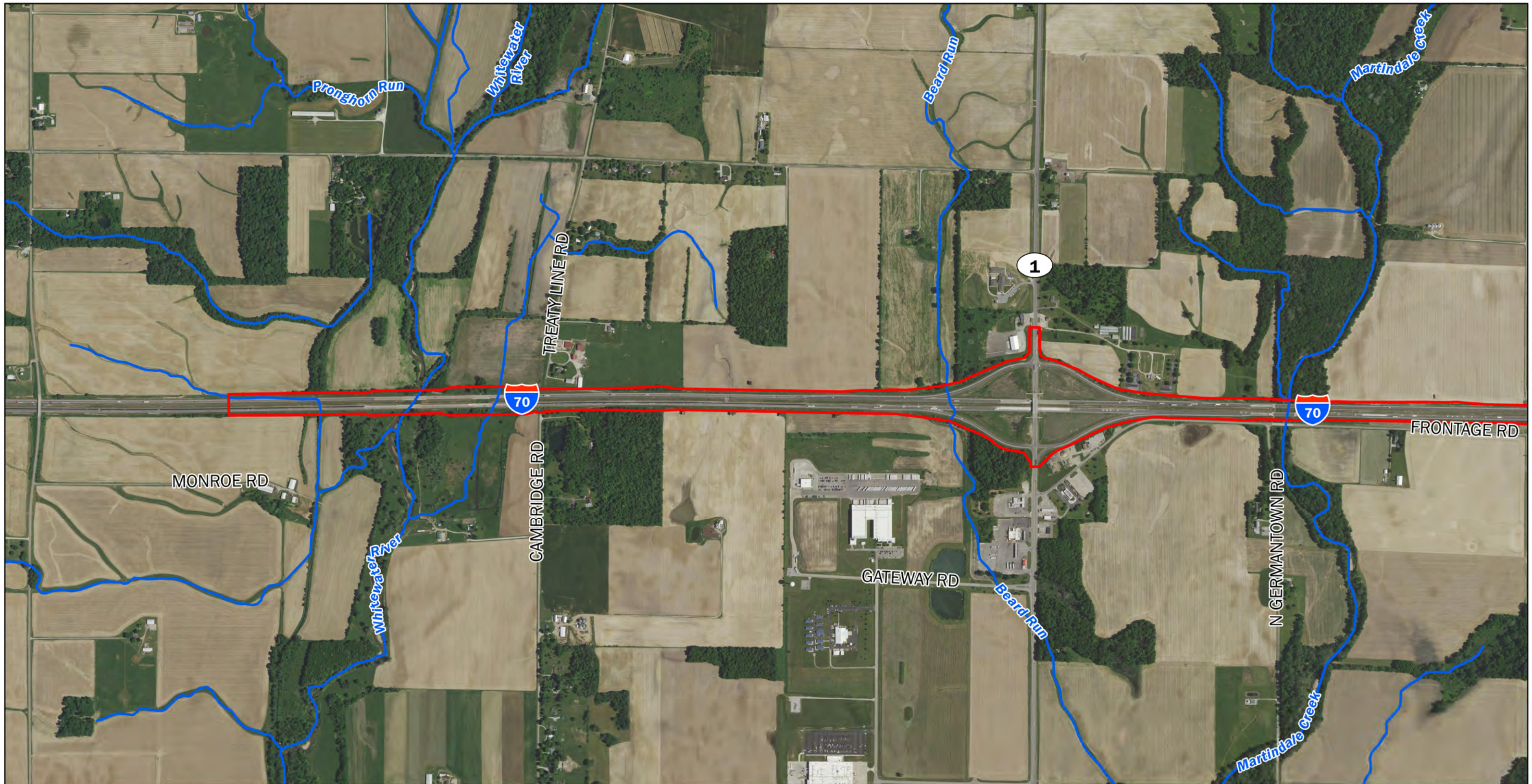
Sources:
 Non-Orthophotography Data -
 Obtained from the State of
 Indiana Geographical
 Information Office Library
 Orthophotography -
 Obtained from Indiana
 Map Framework Data
 (www.indianamap.org)

Revive I-70
 Wayne County, Indiana
 USGS Topographic

Des. 2002424
 Date: 7/14/2022



PARSONS

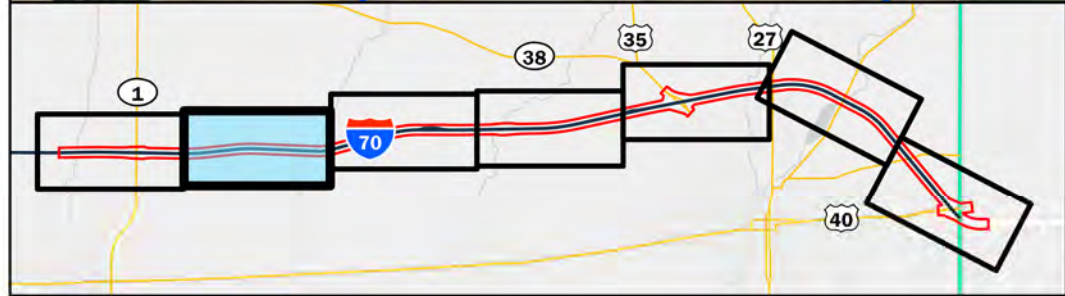
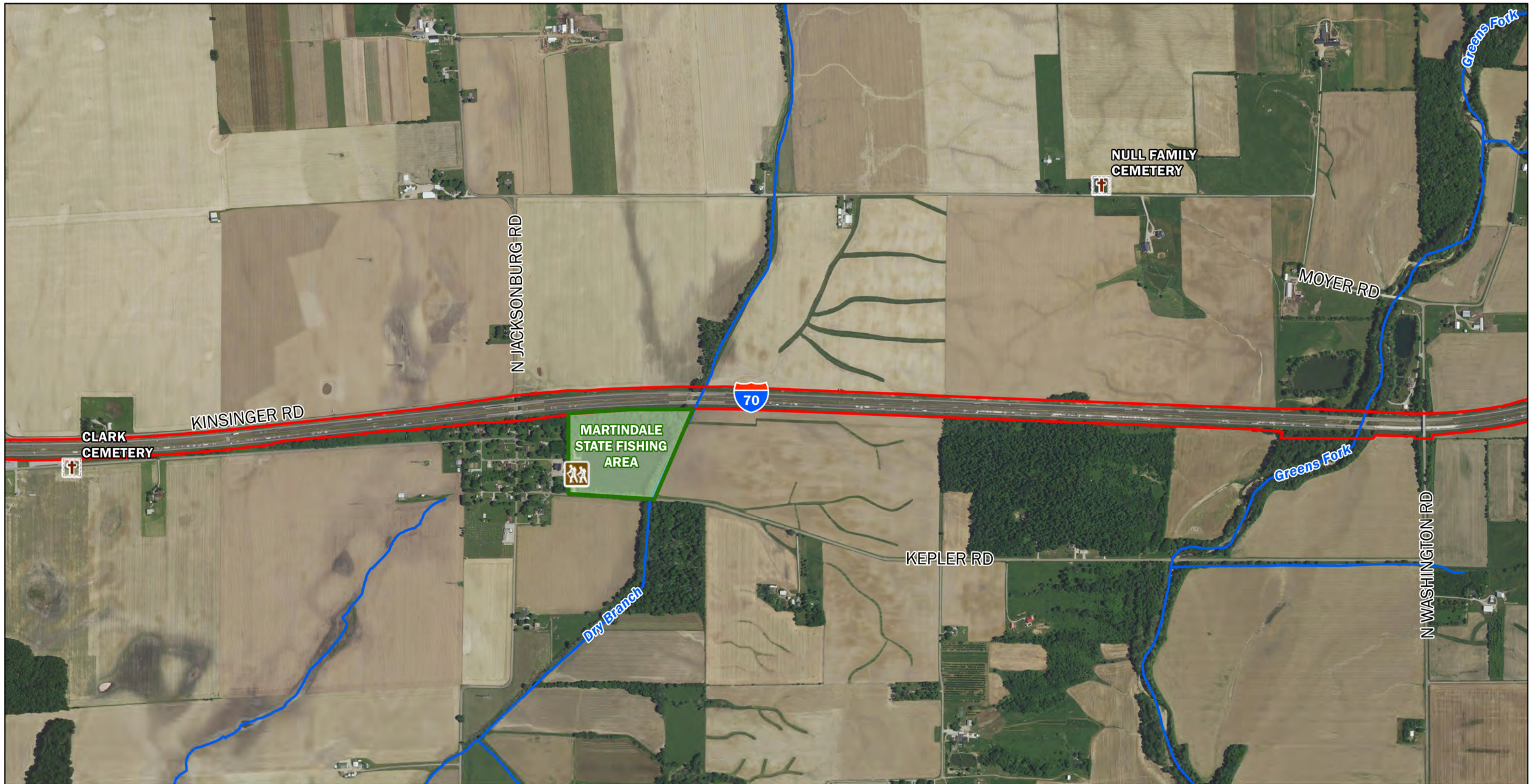


Project Area	School	 Sources: Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library Orthophotography - Obtained from Indiana Map Framework Data www.indianamap.org
Cemetery	Managed/ Recreational Land	
Hospital	Streams and Rivers	
Recreation Facility	Trails	
Religious Facility		

1 Inch = 1,000 Feet

Revive I-70 Wayne County, Indiana 2020 Aerial Sheet 1 of 7	
Des. 2002424	
Date: 1/4/2023	

Created by: KDV



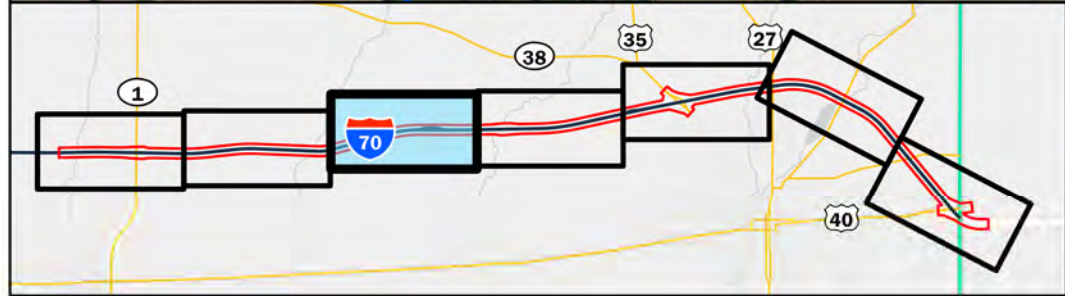
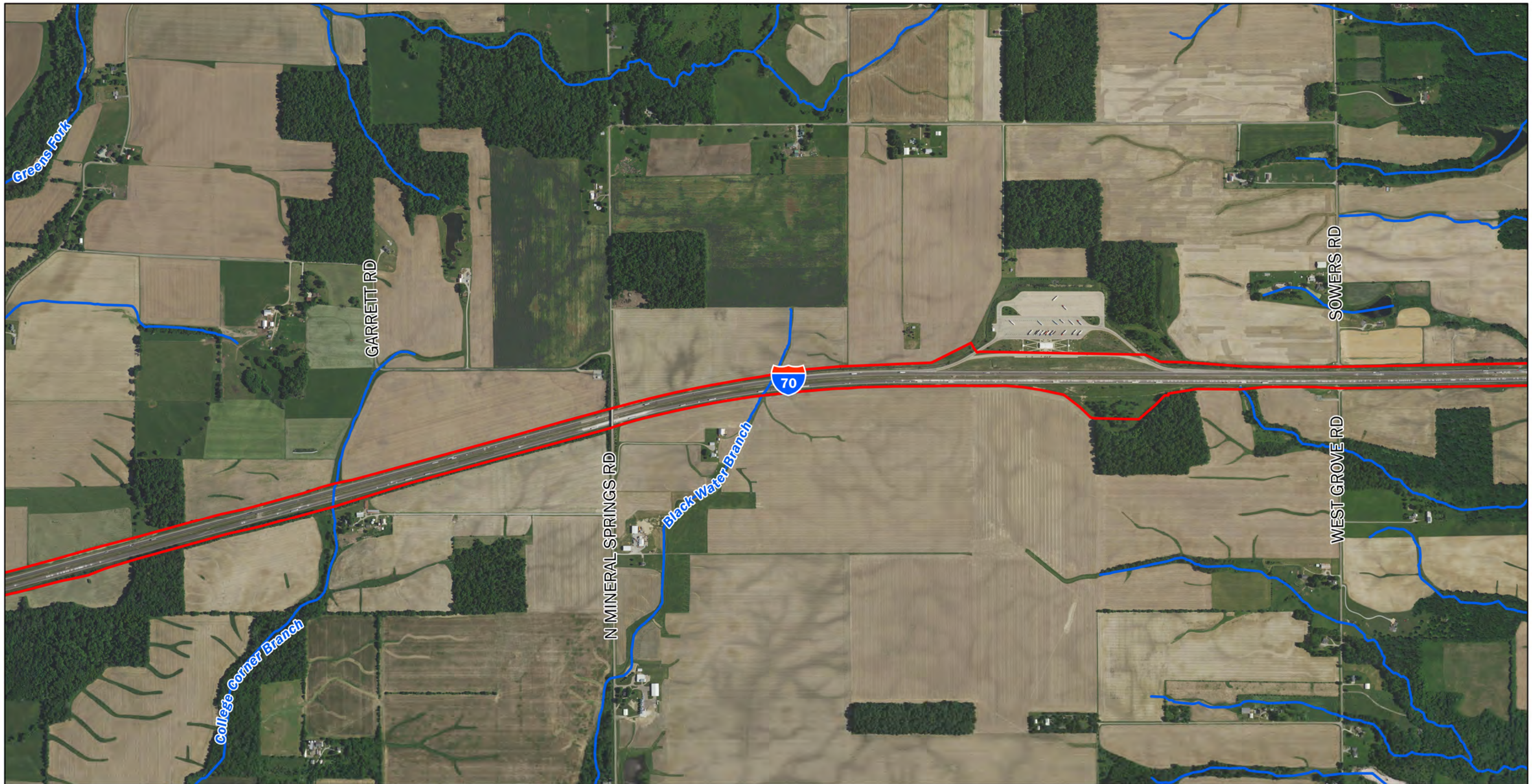
Project Area	School
Cemetery	Managed/ Recreational Land
Hospital	Streams and Rivers
Recreation Facility	Trails
Religious Facility	

Sources:
 Non Orthophotography Data -
 Obtained from the State of
 Indiana Geographical
 Information Office Library
 Orthophotography -
 Obtained from Indiana
 Map Framework Data
www.indianamap.org

0 1,000 2,000 Feet
 1 Inch = 1,000 Feet

Revive I-70 Wayne County, Indiana 2020 Aerial Sheet 2 of 7	
Des. 2002424	
Date: 1/4/2023	

Created by: KDV

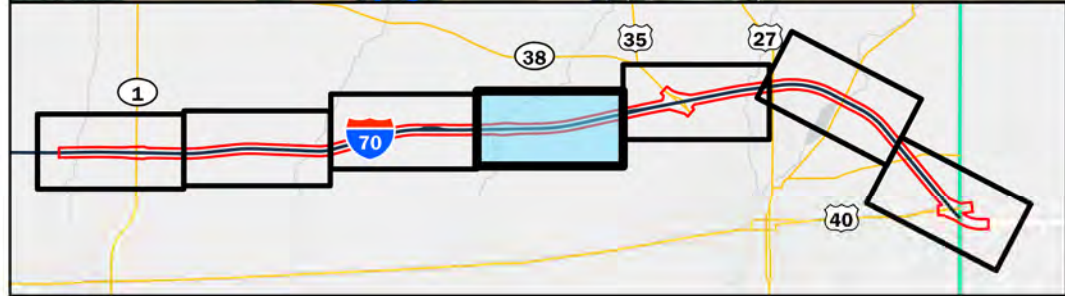


Project Area	School	 0 1,000 2,000 Feet 1 Inch = 1,000 Feet
Cemetery	Managed/Recreational Land	
Hospital	Streams and Rivers	
Recreation Facility	Trails	
Religious Facility		

Sources:
 Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
 Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)

Revive I-70 Wayne County, Indiana 2020 Aerial Sheet 3 of 7	
Des. 2002424	
Date: 1/4/2023	

Created by: KDV

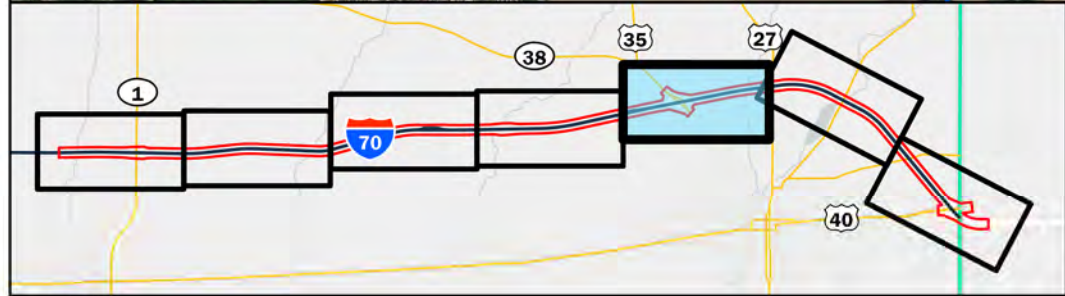


Project Area	School	 Sources: Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library Orthophotography - Obtained from Indiana Map Framework Data www.indianamap.org
Cemetery	Managed/ Recreational Land	
Hospital	Streams and Rivers	
Recreation Facility	Trails	
Religious Facility		

1 Inch = 1,000 Feet

Revive I-70 Wayne County, Indiana 2020 Aerial Sheet 4 of 7	
Des. 2002424	
Date: 1/4/2023	

Created by: KDV

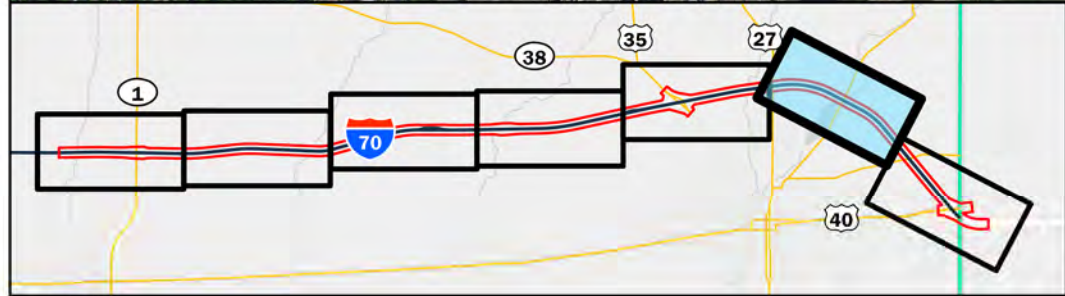
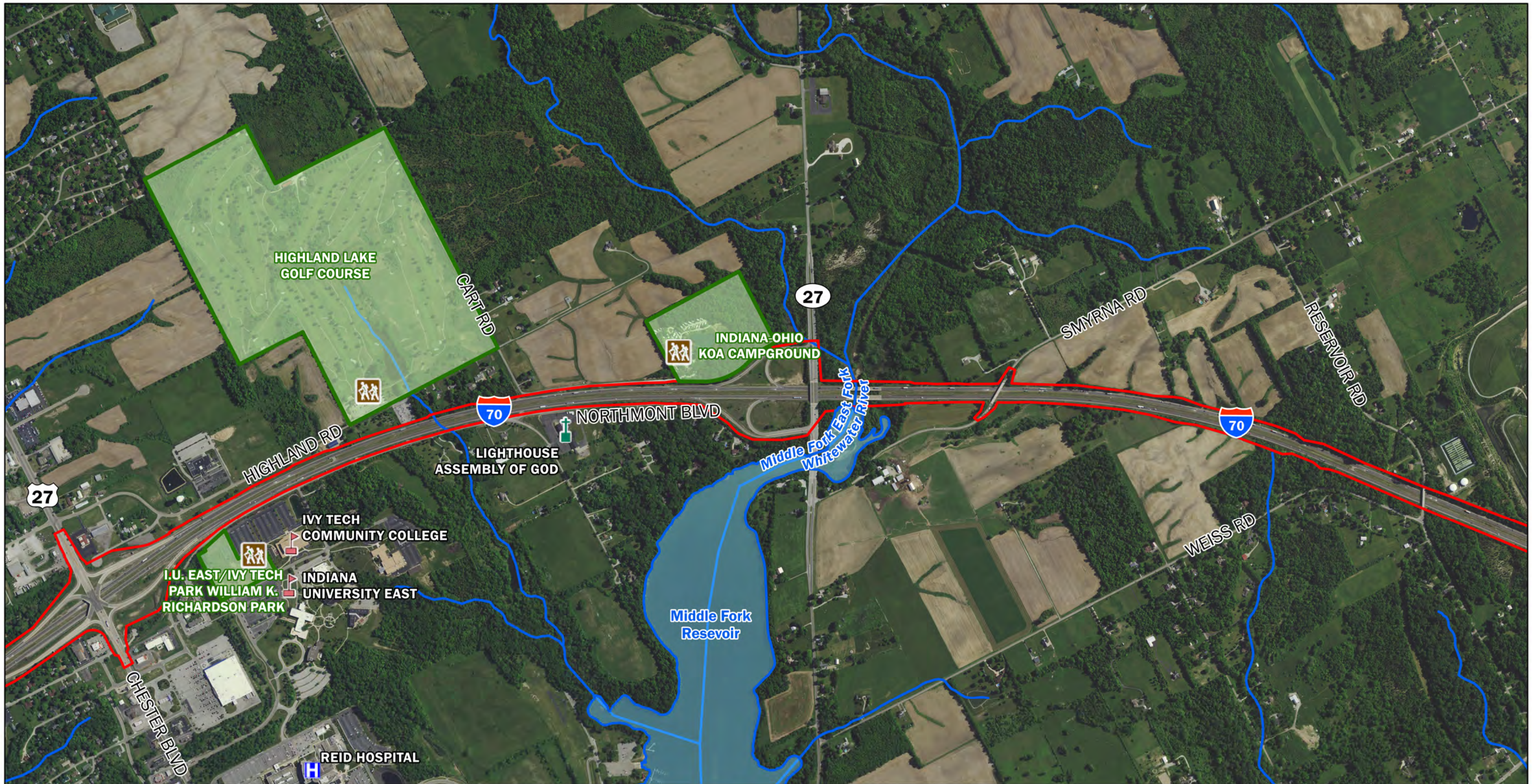


Project Area	School	 Sources: Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library Orthophotography - Obtained from Indiana Map Framework Data www.indianamap.org
Cemetery	Managed/ Recreational Land	
Hospital	Streams and Rivers	
Recreation Facility	Trails	
Religious Facility		

1 Inch = 1,000 Feet

Revive I-70 Wayne County, Indiana 2020 Aerial Sheet 5 of 7	
Des. 2002424	
Date: 1/4/2023	

Created by: KDV



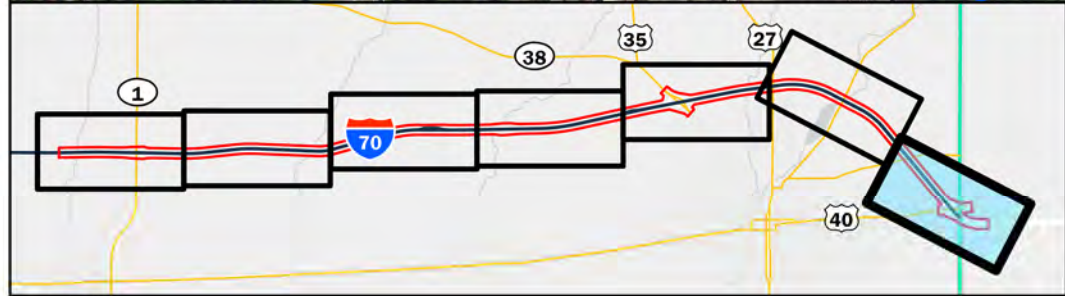
Project Area	School	 Sources: Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Cemetery	Managed/ Recreational Land	
Hospital	Streams and Rivers	
Recreation Facility	Trails	
Religious Facility		

0 1,000 2,000
 Feet
 1 Inch = 1,000 Feet

Revive I-70
Wayne County, Indiana
2020 Aerial
Sheet 6 of 7

Des. 2002424	
Date: 1/4/2023	

Created by: KDV



Project Area	School	 1 Inch = 1,000 Feet
Cemetery	Managed/Recreational Land	
Hospital	Streams and Rivers	
Recreation Facility	Trails	
Religious Facility		

Sources:
 Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
 Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)

Revive I-70 Wayne County, Indiana 2020 Aerial Sheet 7 of 7	
Des. 2002424	
Date: 1/4/2023	PARSONS

Created by: KDV



Photo 1— View along I-70 in Wayne County. Travel lanes will be added to the median (07/26/2022).

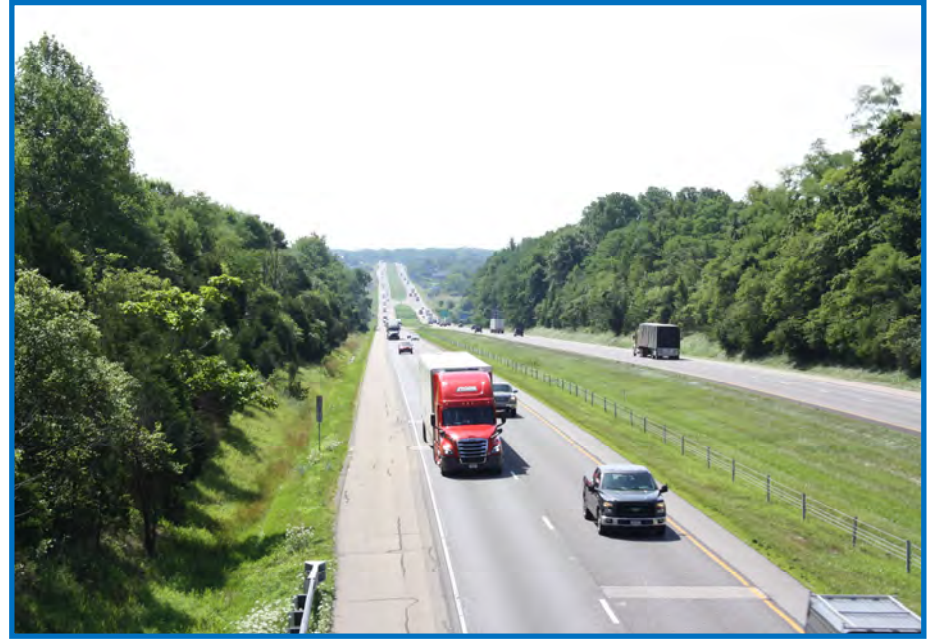


Photo 2—View along I-70 in Wayne County. Travel lanes will be added to the median (07/26/2022).



Photo 3 —View of Martindale Creek and the EB I-70 Bridge Facing North (01/28/2020).



Photo 4 —View of the EB I-70 Bridge over Greens Fork (01/09/2020).



Photo 5— View of EB and WB I-70 Bridges over the Norfolk Southern Railroad Facing North (01/08/2020).



Photo 6—View of I-70 Approaching the US 27 I-70 Interchange Facing East (07/26/2022).

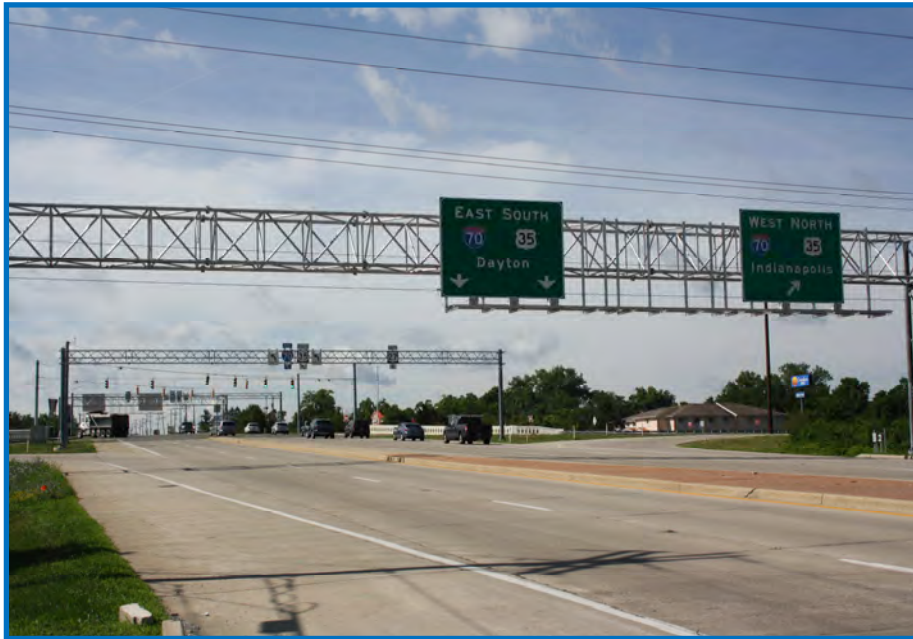


Photo 7—View of US 27 at the I-70 Interchange Facing South (07/26/2022).



Photo 8— View of I-70 Approaching the US 27 Interchange Facing East (07/26/2022).



Photo 9— View of Cardinal Greenway Trail and EB and WB I-70 Bridges Facing South (01/21/2020).



Photo 10—View of Rest Area Facing West (05/05/2023).

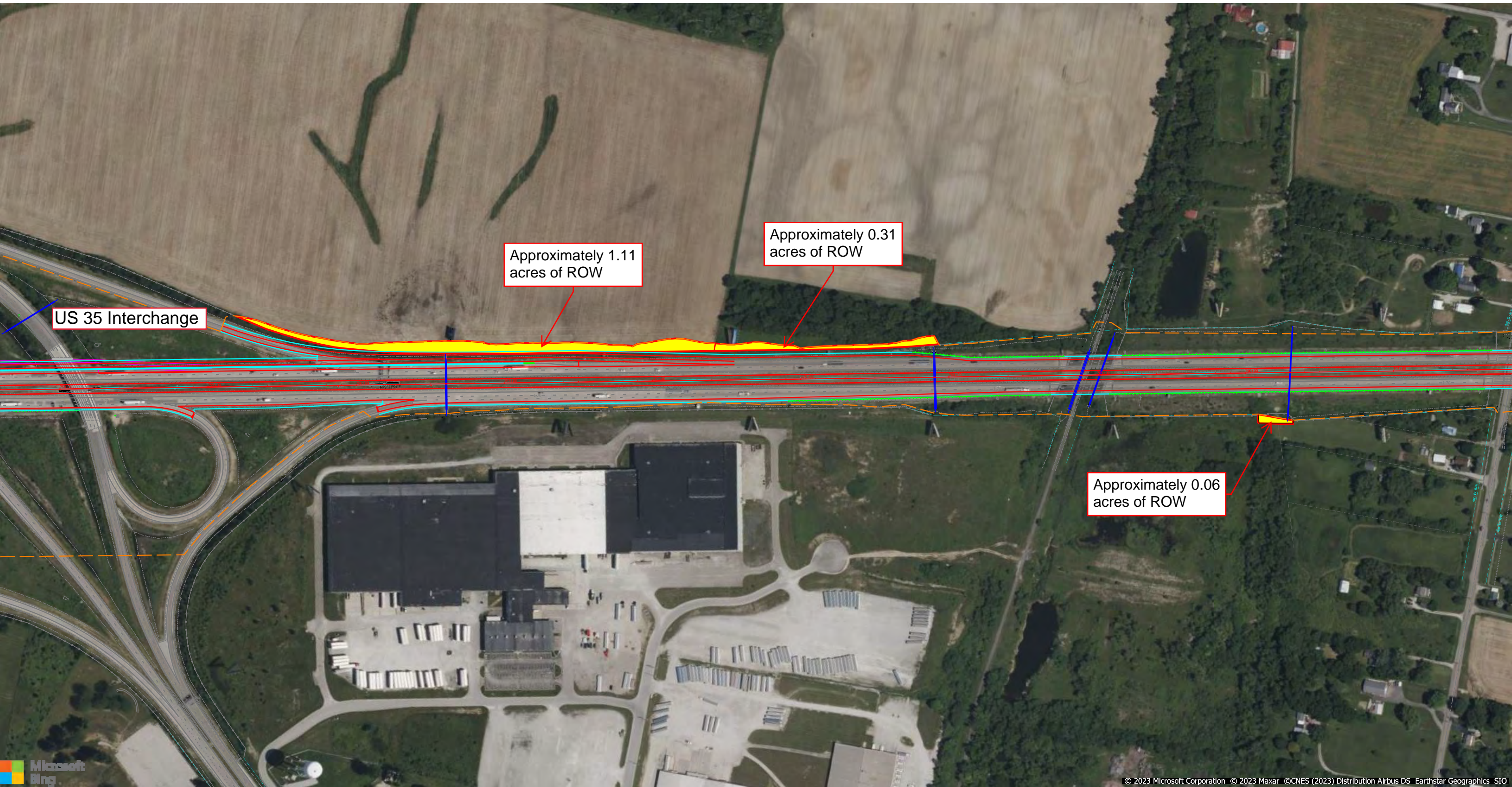


Photo 11- View of Weigh Station Facing West (05/05/2023)



Photo 12—View of the I-70/US 40 Interchange Facing Southwest (07/26/2022).

Permanent Right of Way Impacts



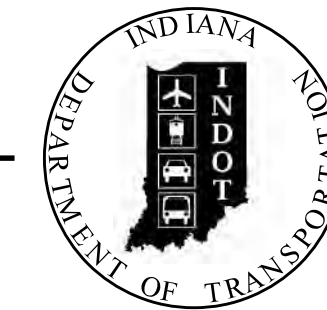
PROJECT	DESIGNATION
2002424	2002424
CONTRACT	
R-43375	

EXCERPTS

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over West Fork of Whitewater River	Bridge
2200763	I70 WB over West Fork of Whitewater River	Bridge
2002426	I70 WB over West Fork of Whitewater River Overflow	Bridge
2002434	I70 EB over West Fork of Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E FK Whitewater River	Bridge
2002456	I70 WB over E FK/E FK Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

INDIANA DEPARTMENT OF TRANSPORTATION



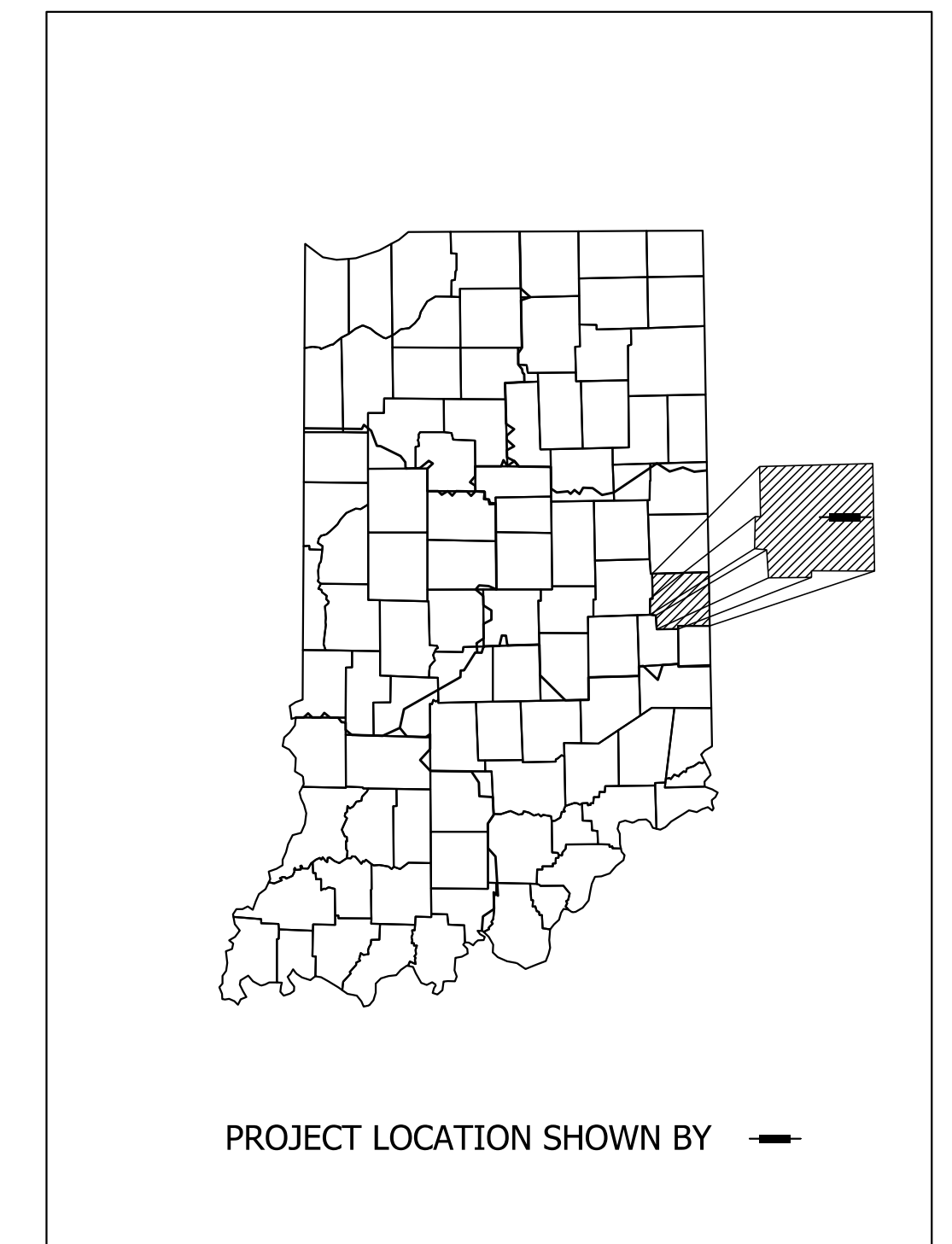
ROAD PLANS

ROUTE: I-70 FROM: R.P. 135+0.865 TO: R.P. 156+0.234

PROJECT NO. 2002424 2002424 P.E.
N/A R/W
2002424 CONST.

Road Reconstruction on I-70 from 1.5 miles west of the I-70/State Road (SR) 1 Interchange to the Indiana/Ohio State Line. This project is located in Jackson, Harrison, Center, Clay, and Wayne Townships in Wayne County, Indiana

DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	COMPLETE RECONSTRUCTION (FREEWAY)
FUNCTIONAL CLASSIFICATION	FREEWAY
RURAL/URBAN	RURAL/URBAN (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	FULL

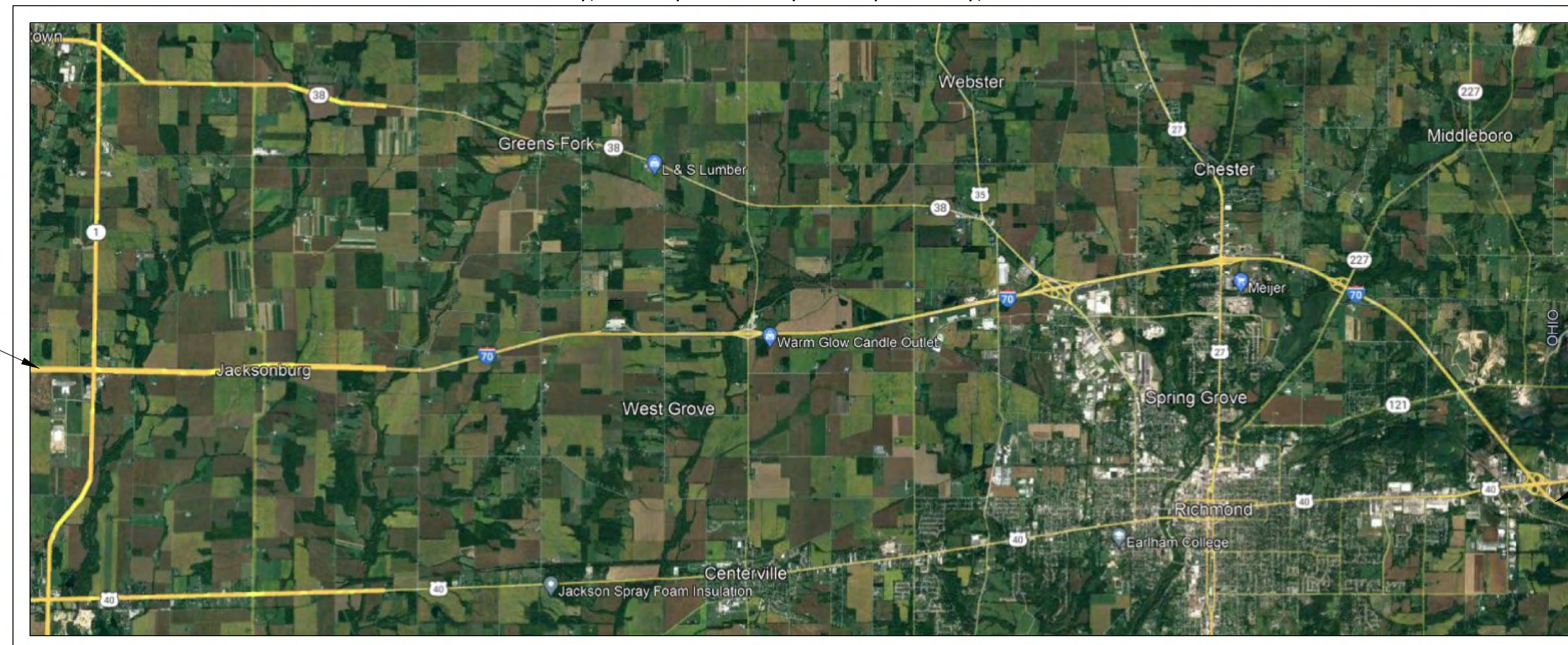


LATITUDE: 39°51'34.41"N LONGITUDE: 84°59'45.11"W

GROSS LENGTH: 21 MI.
NET LENGTH: 20.6 MI.
MAX. GRADE: 3.0 %

SCALE: 1" = 6000'

Begin Project
Sta. 40+00.00 "F"



End Project
Sta. 1125+32.61 "F"

LOCATION MAP
WAYNE COUNTY

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

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000



PLANS PREPARED BY:	PARSONS	1-317-616-1000 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

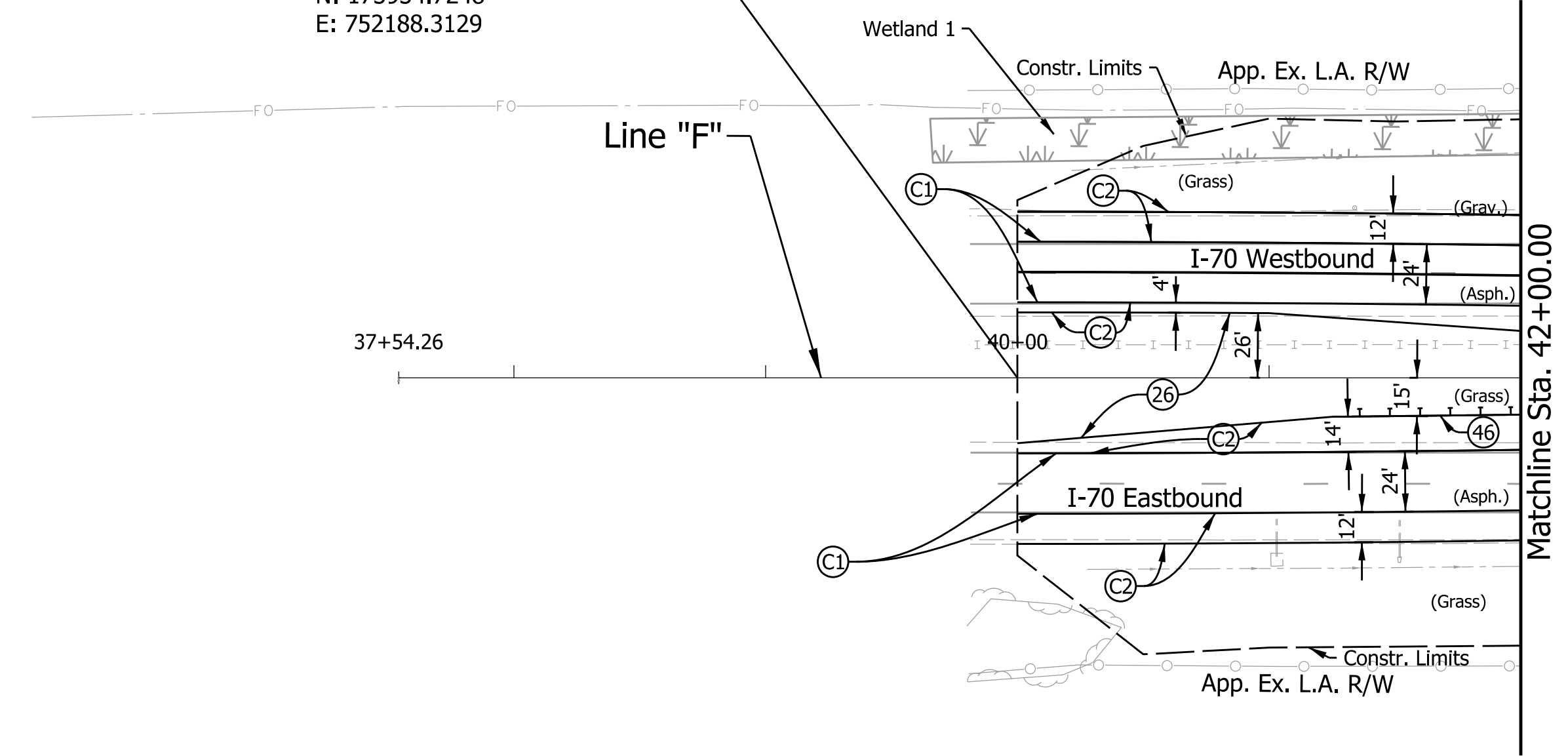
DESIGNATION	
2002424	
SURVEY BOOK	SHEETS
Electronic	of
CONTRACT	PROJECT
R-43375	2002424

SECTION 10, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

40+00

41+34.67, 6' Offset/Marker Post

BEGIN INCIDENTAL CONSTRUCTION
STA. 40+00.00 "F"
N: 173934.7248
E: 752188.3129



SECTION 10, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

37+54.30'-Iron Pin 1in In Conc

41+03.71'-6' PVC

41+51.9715'-6' PVC

Plot: 5/25/2023 9:57:22 AM

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MJS _____	DRAWN: _____ MJS _____	
CHECKED: _____ JMM _____	CHECKED: _____ JMM _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
Sta. 40+00.00 "F" to Sta. 42+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 105 of 288
CONTRACT R-43375	PROJECT 2002424

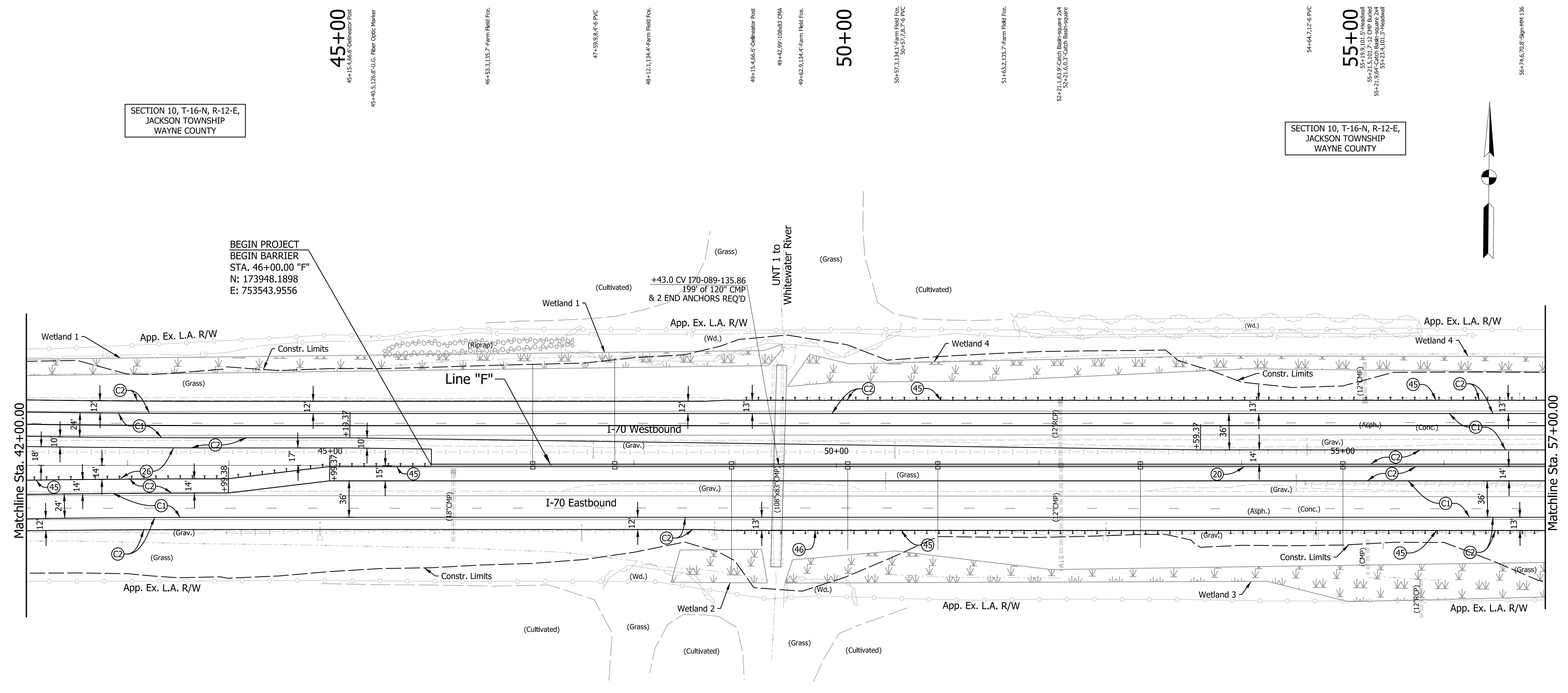
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Plot: 5/25/2023 9:57:59 AM

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SECTION 10, T-16-N, R-12-E,
 JACKSON TOWNSHIP
 WAYNE COUNTY

SECTION 10, T-16-N, R-12-E,
 JACKSON TOWNSHIP
 WAYNE COUNTY



LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

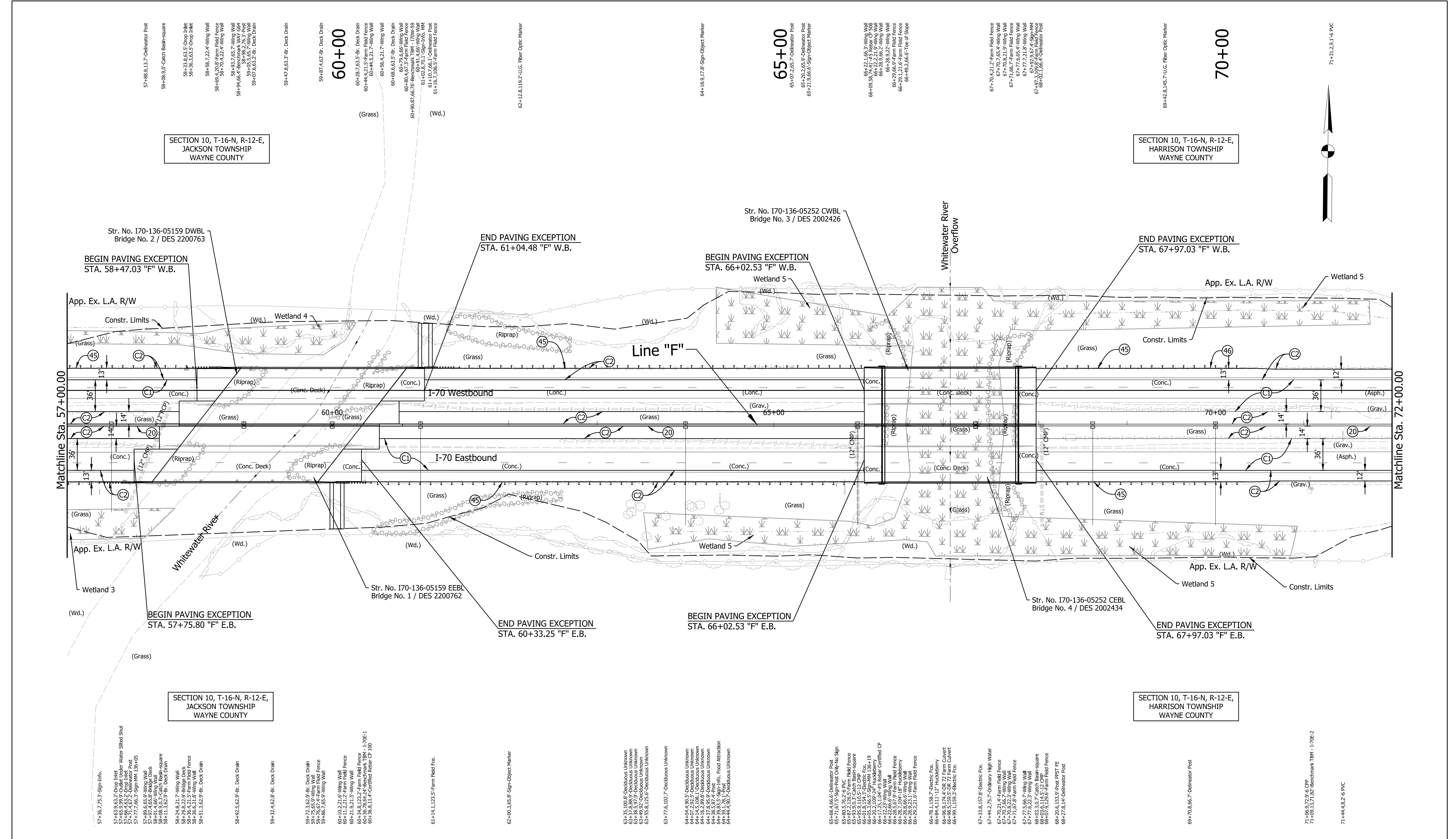
**INDIANA
 DEPARTMENT OF TRANSPORTATION**

**PLAN
 Sta. 42+00.00 "F" to Sta. 57+00.00 "F"**

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 107 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 9:58:34 AM

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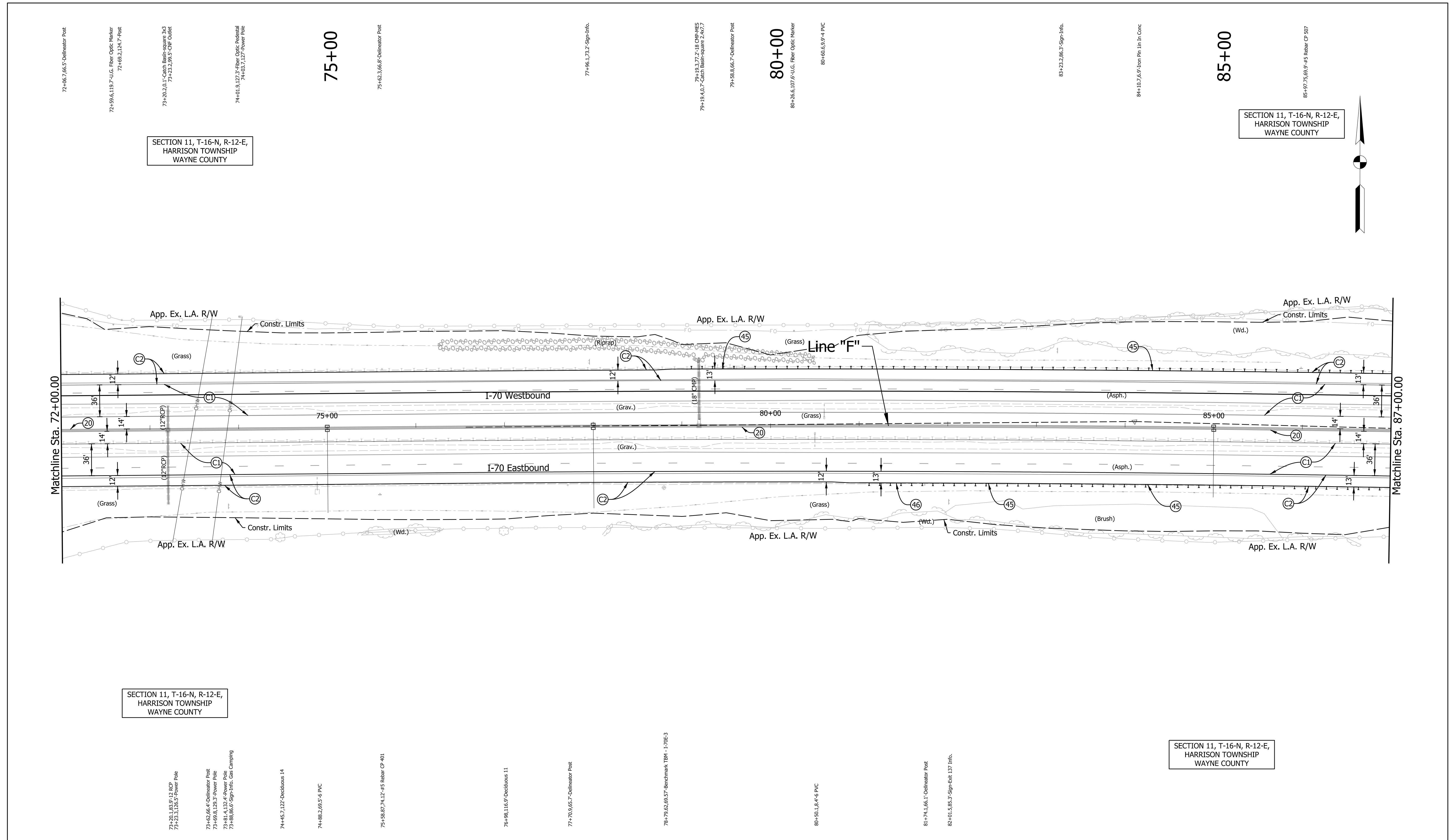
LEGEND:			
(C1)	CRCP Pavement, TBD	(20)	Concrete Median Barrier
(C2)	PCCP Pavement, TBD	(21)	Concrete Railing Type FT and Moment Slab
(N)	Compacted Aggregate, No. 53	(22)	Concrete Median Barrier, Modified
(U)	6" Underdrain	(26)	Seed Mixture, R
(45)	Guardrail, MGS, 6'-3" Spacing	(46)	Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN Sta. 57+00.00 "F" to Sta. 72+00.00 "F"	

SCALE	BRIDGE FILE
1" = 50'	N/A
	DESIGNATION
	2002424
SURVEY BOOK	SHEETS
N/A	109 of 288
CONTRACT	PROJECT
R-43375	2002424

Plot: 5/25/2023 9:59:09 AM



SECTION 11, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAN
Sta. 72+00.00 "F" to Sta. 87+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 111 of 288
CONTRACT R-43375	PROJECT 2002424

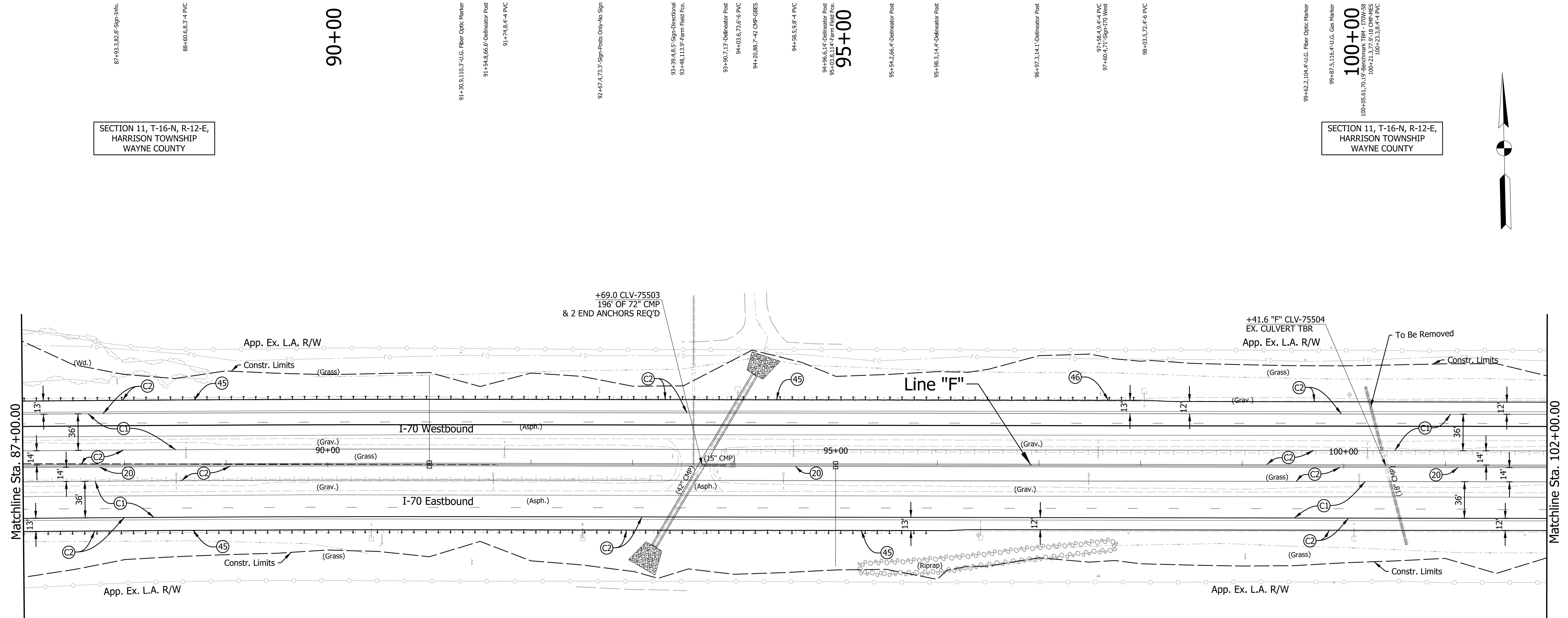
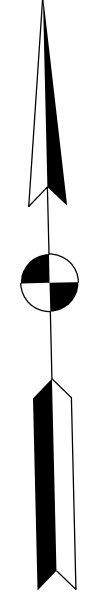
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Plot: 5/25/2023 9:59:43 AM

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SECTION 11, T-16-N, R-12-E,
 HARRISON TOWNSHIP
 WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
 HARRISON TOWNSHIP
 WAYNE COUNTY



SECTION 11, T-16-N, R-12-E,
 HARRISON TOWNSHIP
 WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
 HARRISON TOWNSHIP
 WAYNE COUNTY

LEGEND:

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) Seed Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: MJS	DRAWN: MJS		
CHECKED: JMM	CHECKED: JMM		

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
 Sta. 87+00.00 "F" to Sta. 102+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 113 of 288
CONTRACT R-43375	PROJECT 2002424

87+93.3,82.8: Sign Info.

88+60.6,63.3-4 PVC

90+00

91+30.9,110.3-U.G. Fiber Optic Marker
 91+54.8,66.6-Delineator Post
 91+74.8,4-4 PVC

92+67.4,73.3: Sign Posts Only No Sign

93+39.4,8.5: Sign-Directional
 93+48.1,13.9: Farm Field Fce.

93+90.7,13-Delineator Post
 94+03.6,7.6-6 PVC
 94+20.80,7-2: CMP-GSES

94+58.5,9.8-4 PVC

94+96.6,1-1: Delineator Post
 95+03.1,1-1: Farm Field Fce.
 95+00

95+54.2,66.4-Delineator Post

95+98.3,14.4-Delineator Post

96+97.3,14.1-Delineator Post

97+58.4,9.4-4 PVC
 97+60.4,71: Sign-I70 West

98+03.5,72.4-6 PVC

99+62.2,104.4-U.G. Fiber Optic Marker

99+87.5,118.4-U.G. Gas Marker
 100+00
 100+65.6,170.1: Benchmark TBM - TDW/58
 100+71.1,100+72.3,3.8-4 PVC

88+50.9,89.4 PVC

90+49.7,72.8-6 PVC
 90+53.3,78.6 PVC

91+62.1,56.1: Sign-ENR 137 Info.
 91+58.4,14.6: Delineator Post
 91+62.1,10.0: Iron Pin 1in. In Conc

92+41.5,14.4-Delineator Post
 92+53.7,7.6-6 PVC
 92+54.7,10.8-6 PVC

93+01.3,114.8: Farm Field Fce.
 93+20.1,14.9: Farm Field Fce.
 93+21.4,80-42: CMP-GSES

93+54.9,115.1: Farm Field Fce.
 93+70.1,67.4: Delineator Post
 93+83.5,6.6: Sign-Directional
 93+86.1,12.8: Delineator Post
 93+88.1,10.1-15: CMP-42 Cmp
 93+88.8,0.1: Catch Basin-Storm 2.4x2.7

94+46.6,89.4 PVC

96+40.6,68.8: Benchmark TBM - I-70E-4
 96+42.6,69.9-6 PVC

97+48.1,8.9-4 PVC
 97+58.7,107.6: 4.5 Rebar CP-402

97+98.2,66.6: Delineator Post

99+03.3,89.7: Sign-ENR 137 Info.

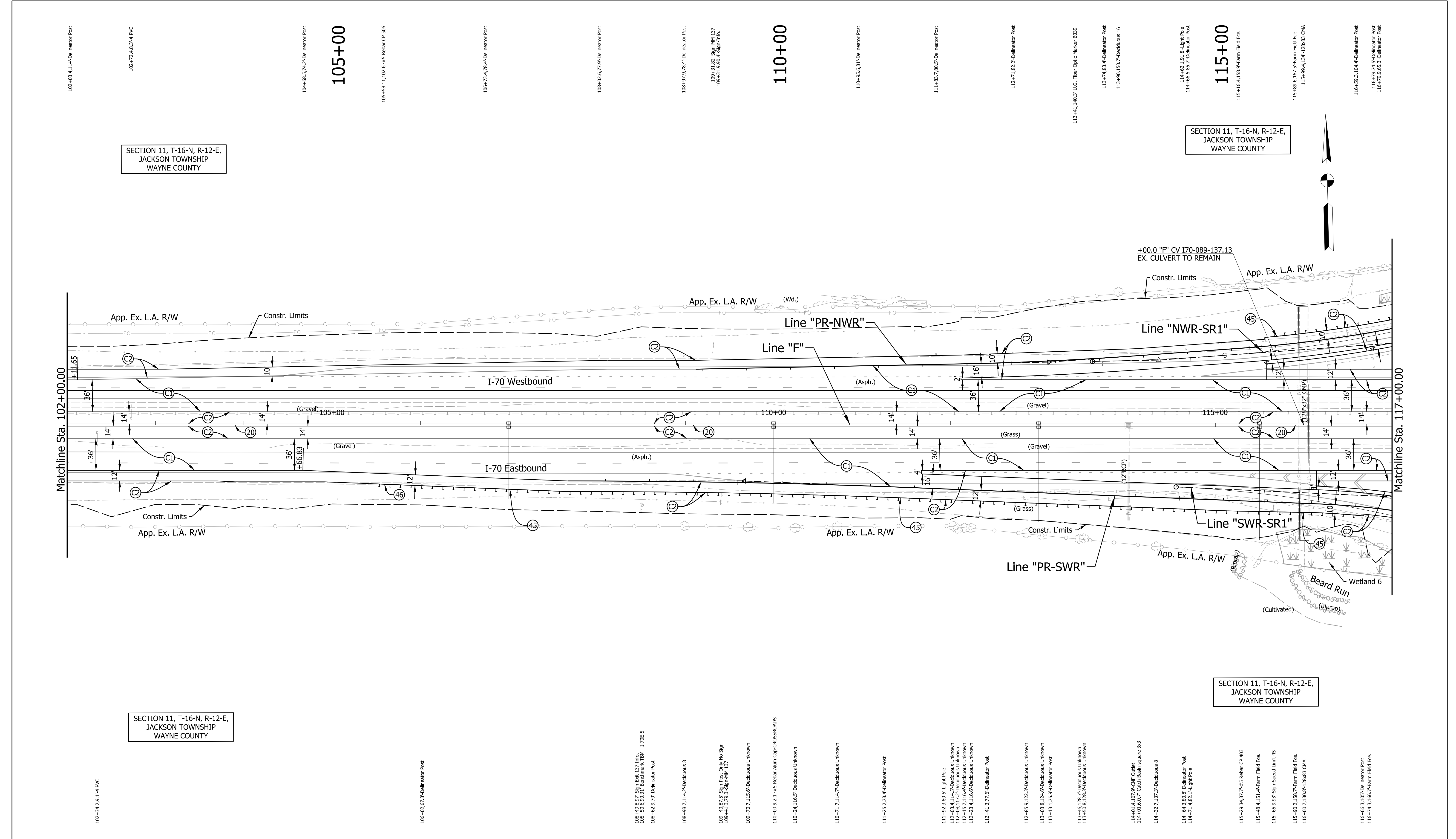
99+90.6,114.6-U.G. Gas Marker
 100+10.7,70.6-4 PVC
 100+13.2,5.1-4 PVC

100+62.7,31.8: CMP-MES

101+78.3,67.6: Delineator Post

Plot: 5/25/2023 10:00:20 AM

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SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

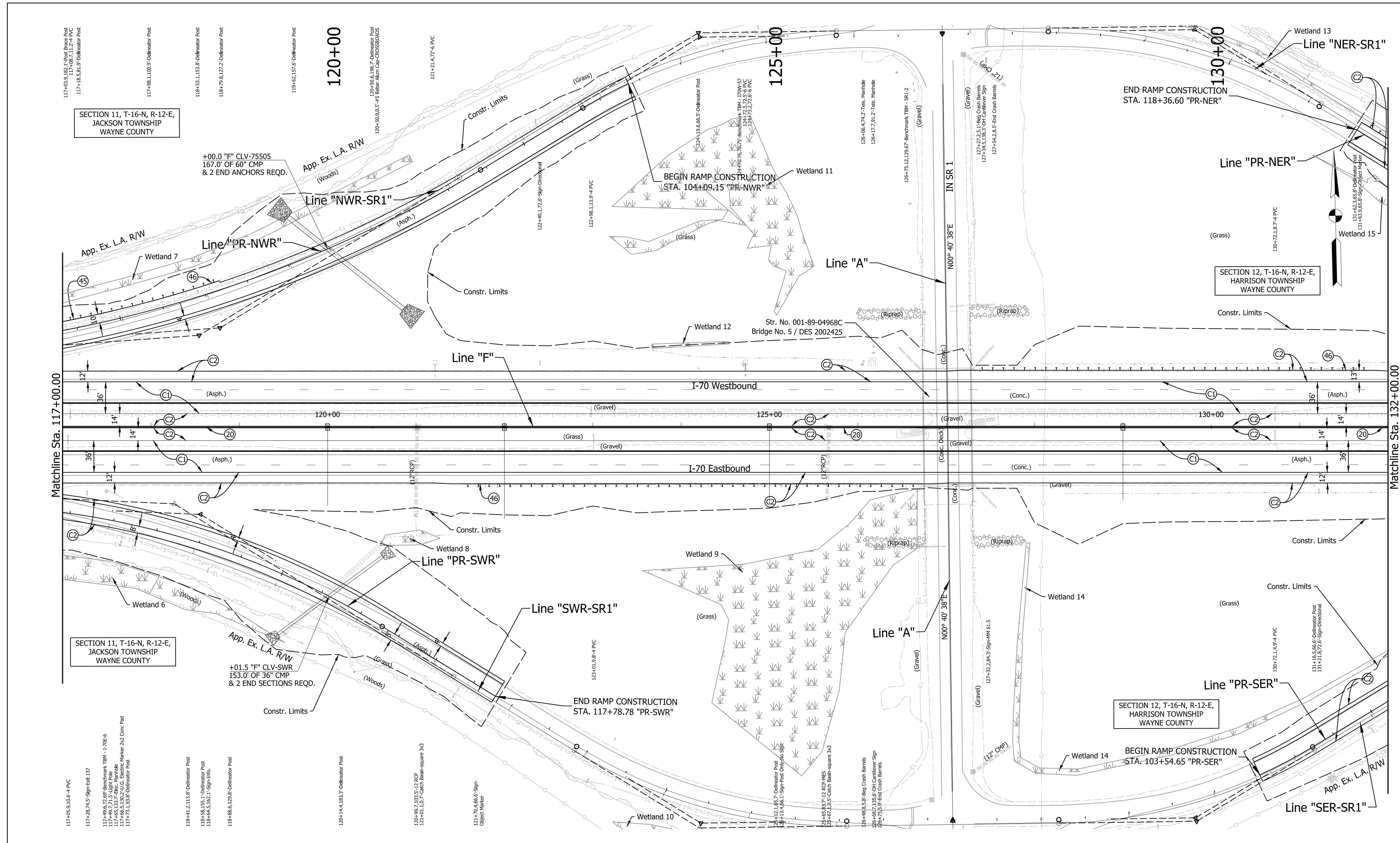
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
Sta. 102+00.00 "F" to Sta. 117+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
SURVEY BOOK N/A	DESIGNATION 2002424
CONTRACT R-43375	SHEETS 115 of 288
	PROJECT 2002424

Plot: 5/25/2023 10:00:56 AM



SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

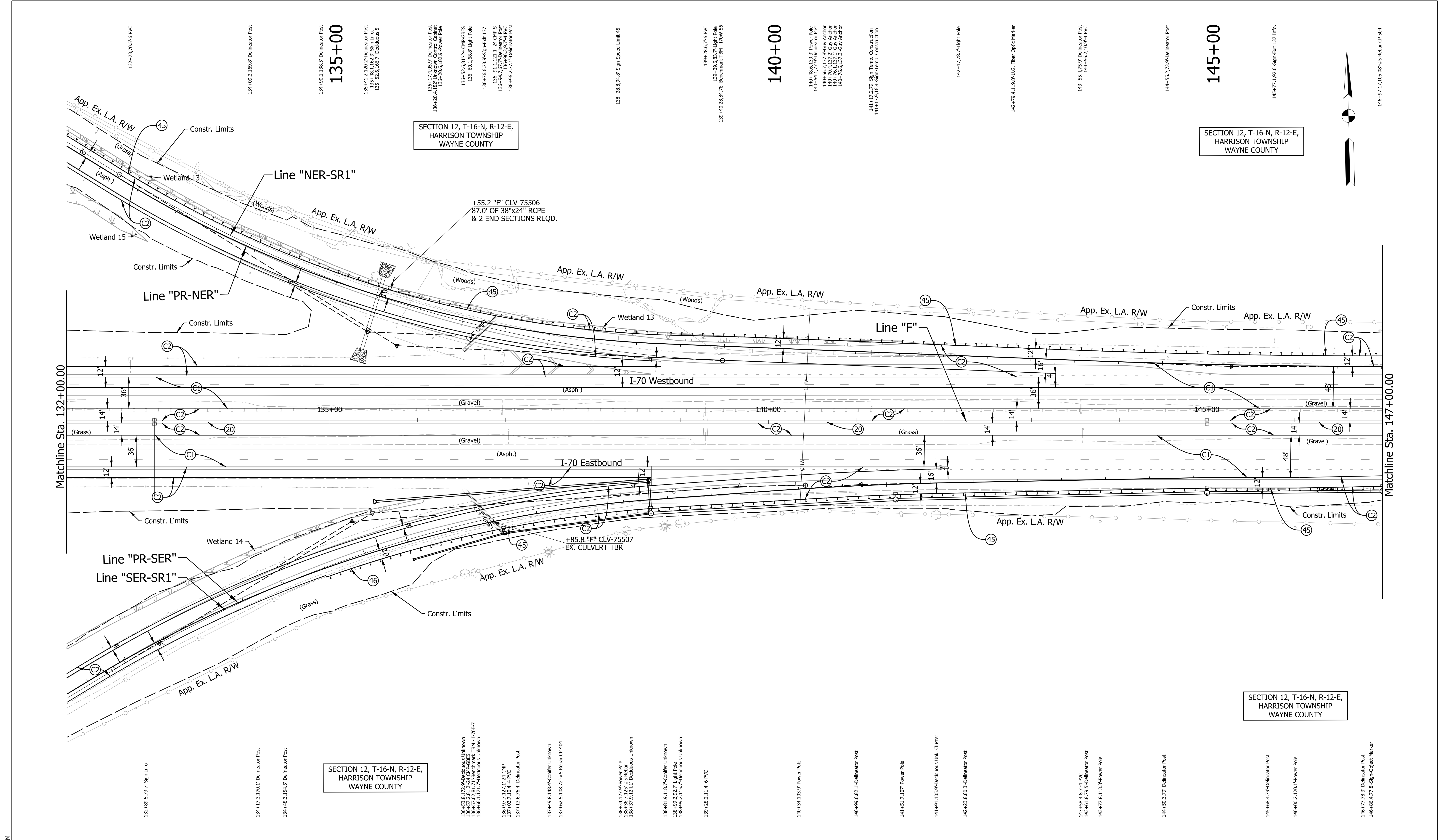
INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN Sta. 117+00.00 "F" to Sta. 132+00.00 "F"	

SCALE 1" = 50'	BRIDGE FILE N/A
SURVEY BOOK N/A	DESIGNATION 2002424
CONTRACT R-43375	SHEETS 117 of 288
	PROJECT 2002424

File: c:\pw_working\indiana\parsons_epw29445\dms62363\R-43375_RD_Plan 117+00-132+00_F.dgn
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Plot: 5/25/2023 10:01:32 AM

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LEGEND:			
(C1)	CRCP Pavement, TBD	(45)	Guardrail, MGS, 6'-3" Spacing
(C2)	PCCP Pavement, TBD	(20)	Concrete Median Barrier
(N)	Compacted Aggregate, No. 53	(21)	Concrete Railing Type FT and Moment Slab
(U)	6" Underdrain	(22)	Concrete Median Barrier, Modified
		(46)	Guardrail, End Treatment, OS
		(26)	Seed Mixture, R

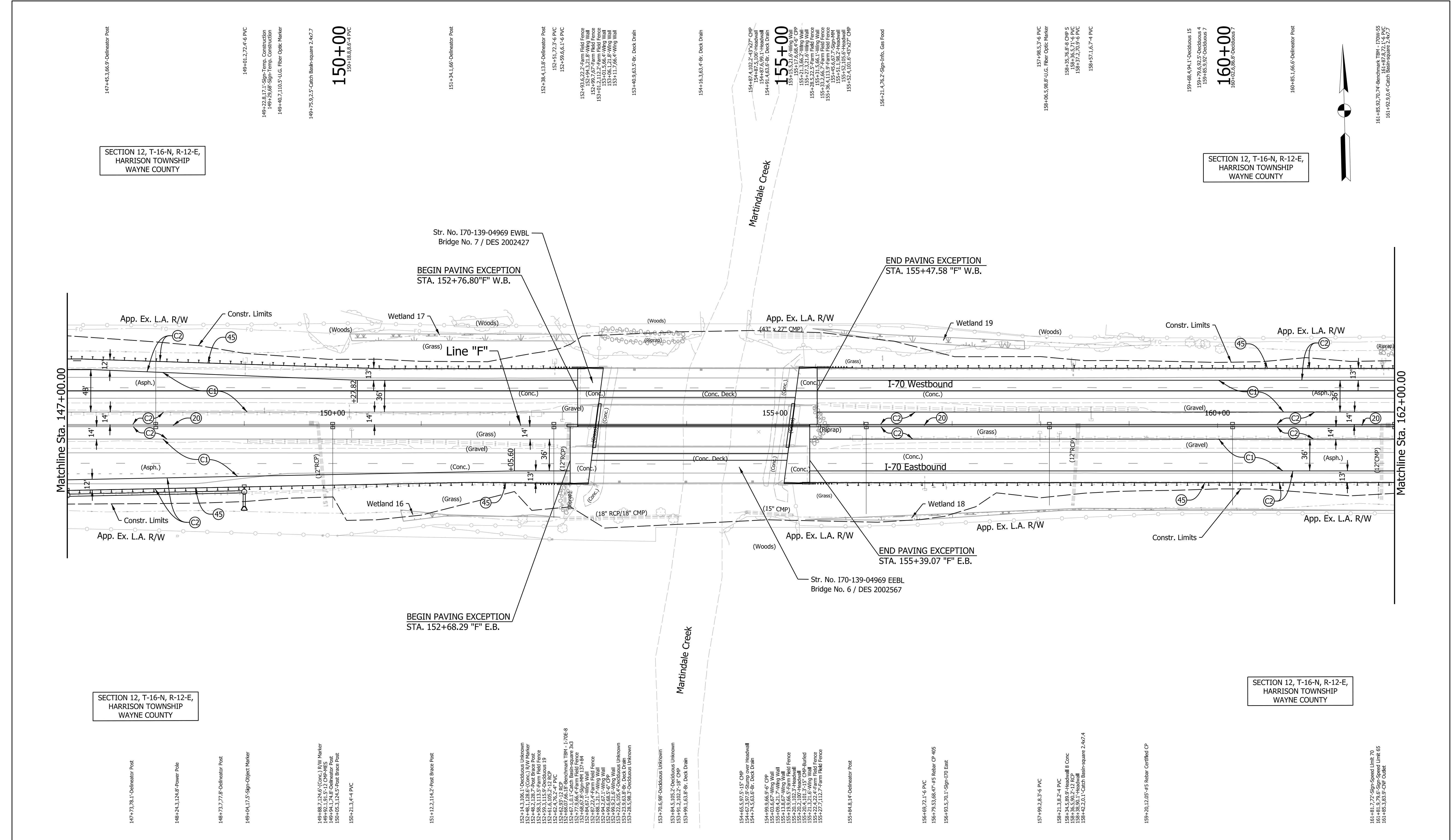
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN Sta. 132+00.00 "F" to Sta. 147+00.00 "F"	

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 119 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 10:02:08 AM

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SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

LEGEND:

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) Seed Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

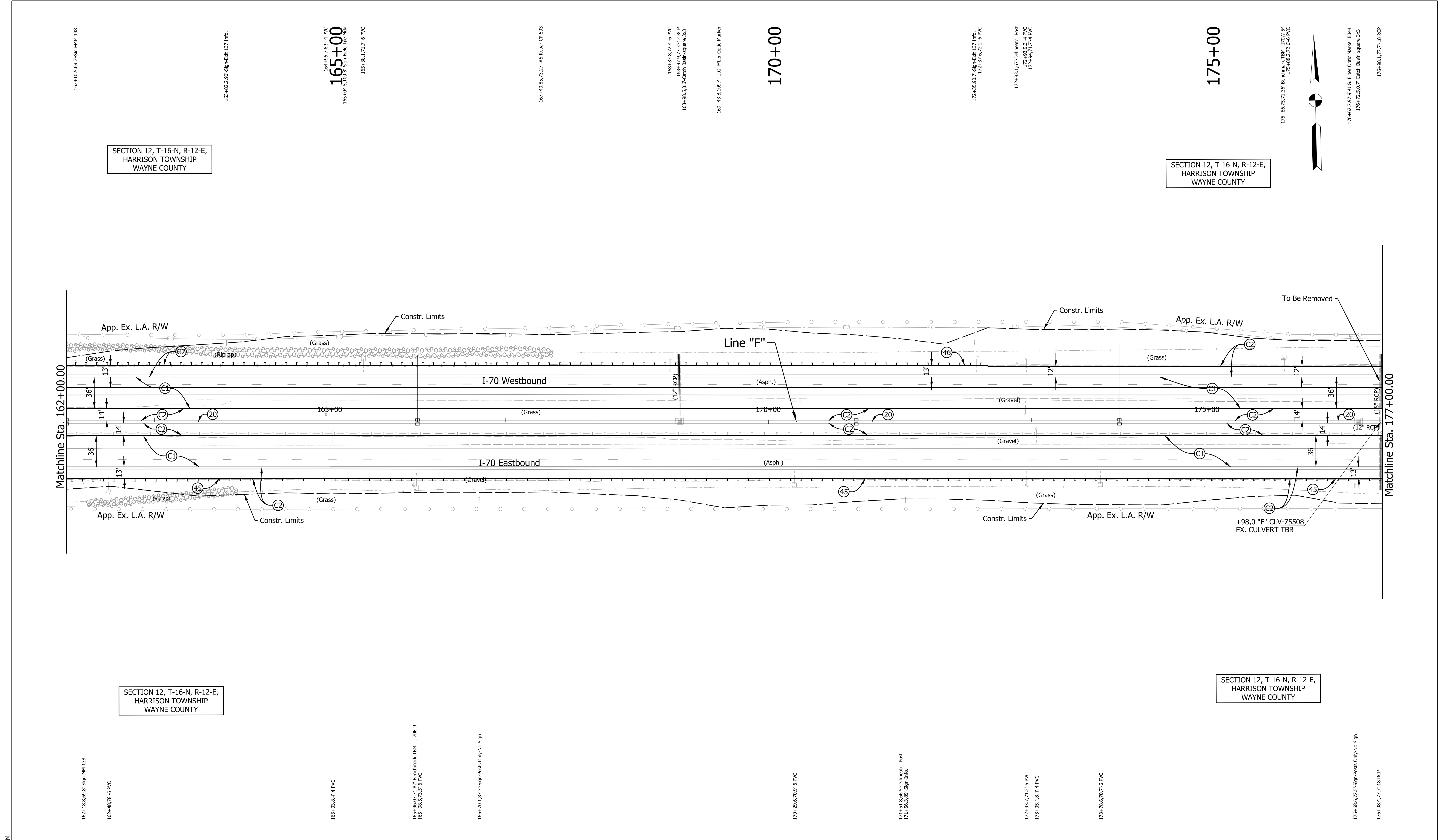
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
Sta. 147+00.00 "F" to Sta. 162+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 121 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 10:02:43 AM

File: c:\pw_working\indiana\parsons_epw29445\dms62363\R-43375_RD_Plan 162+00-177+00_F.dgn
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LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

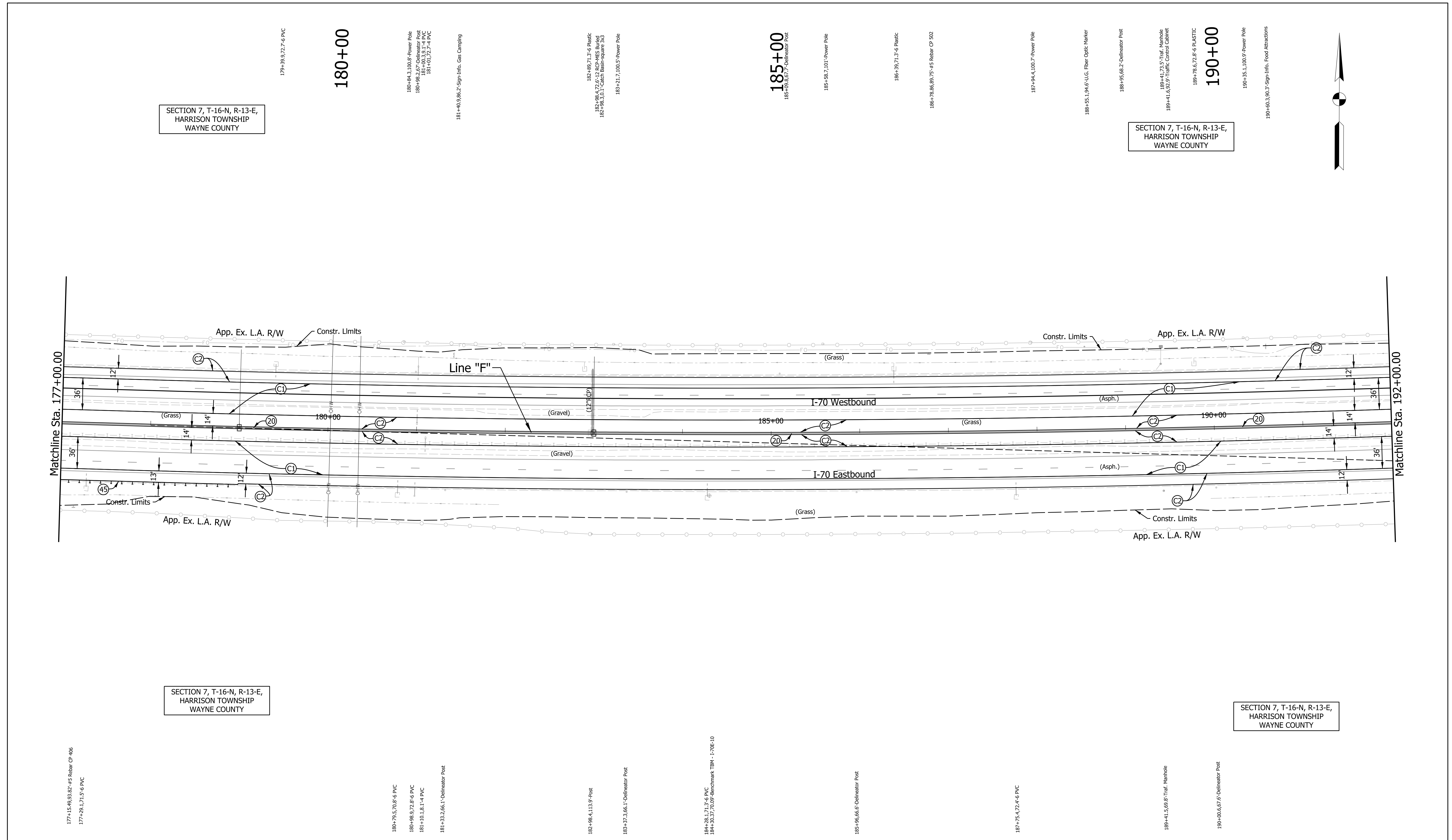
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MJS _____	DRAWN: _____ MJS _____	
CHECKED: _____ JMM _____	CHECKED: _____ JMM _____	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
Sta. 162+00.00 "F" to Sta. 177+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 123 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 10:03:19 AM



LEGEND:			
(C1)	CRCP Pavement, TBD	(20)	Concrete Median Barrier
(C2)	PCCP Pavement, TBD	(21)	Concrete Railing Type FT and Moment Slab
(N)	Compacted Aggregate, No. 53	(22)	Concrete Median Barrier, Modified
(U)	6" Underdrain	(26)	Seed Mixture, R
(45)	Guardrail, MGS, 6'-3" Spacing	(46)	Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

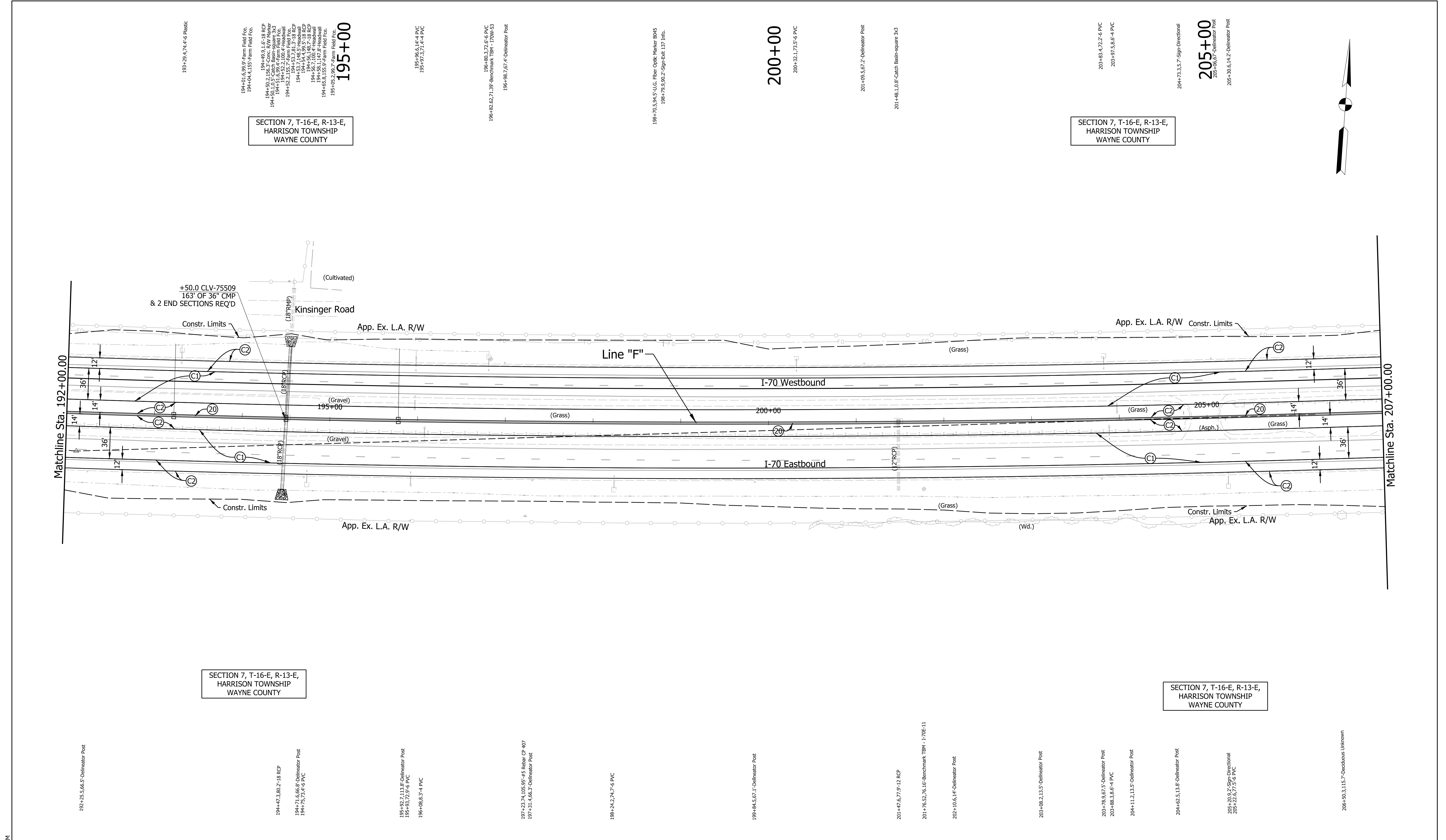
INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN Sta. 177+00.00 "F" to Sta. 192+00.00 "F"	

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 125 of 288
CONTRACT R-43375	PROJECT 2002424

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Plot: 5/25/2023 10:03:53 AM

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SECTION 7, T-16-E, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 7, T-16-E, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 7, T-16-E, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 7, T-16-E, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

LEGEND:

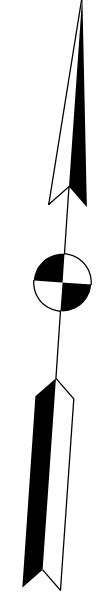
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|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

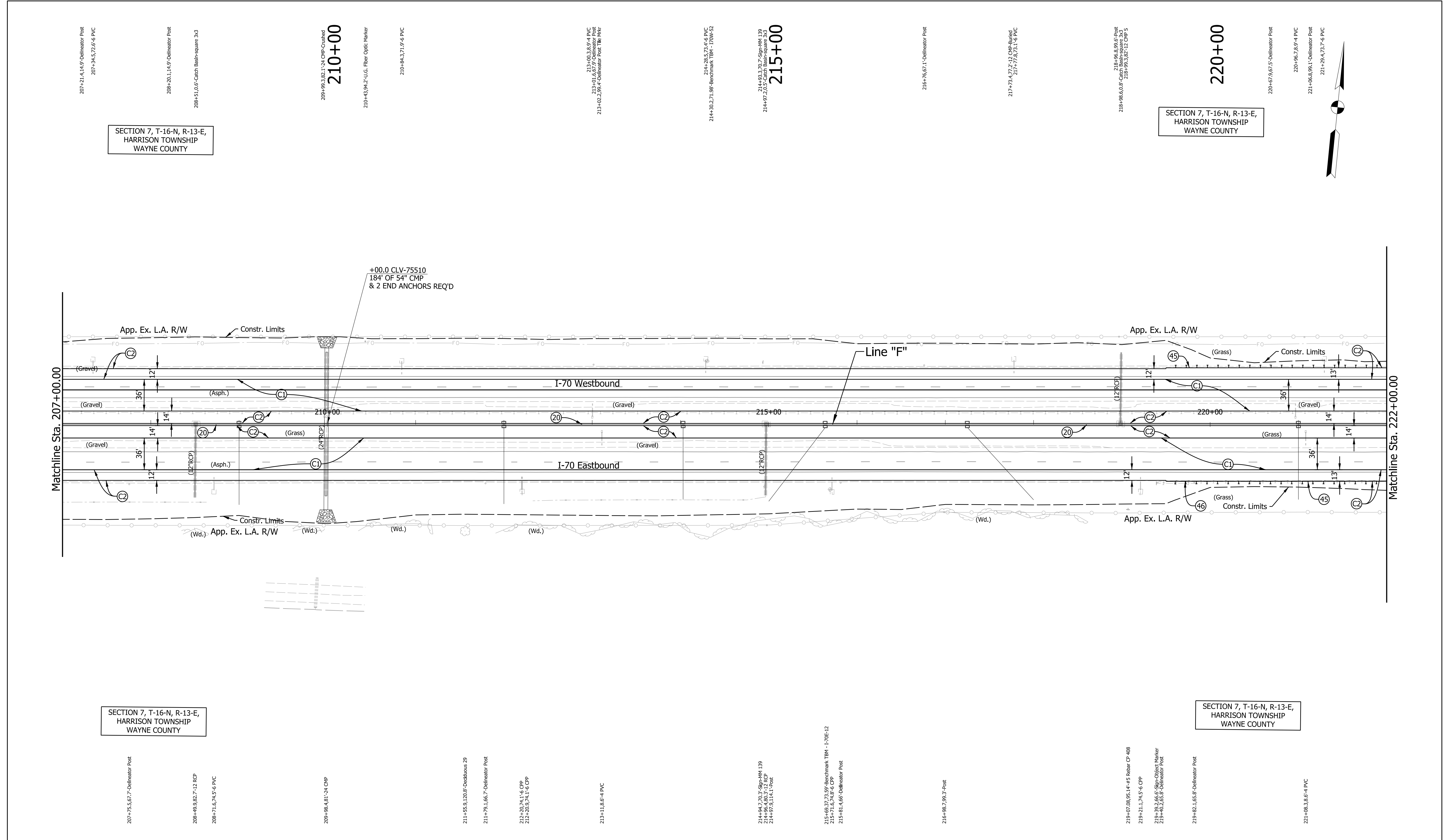
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
Sta. 192+00.00 "F" to Sta. 207+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 127 of 288
CONTRACT R-43375	PROJECT 2002424





SECTION 7, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 7, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 7, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 7, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

Plot: 5/25/2023 10:04:26 AM

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: _____ MJS _____	DRAWN: _____ MJS _____		
CHECKED: _____ JMM _____	CHECKED: _____ JMM _____		

**INDIANA
DEPARTMENT OF TRANSPORTATION**

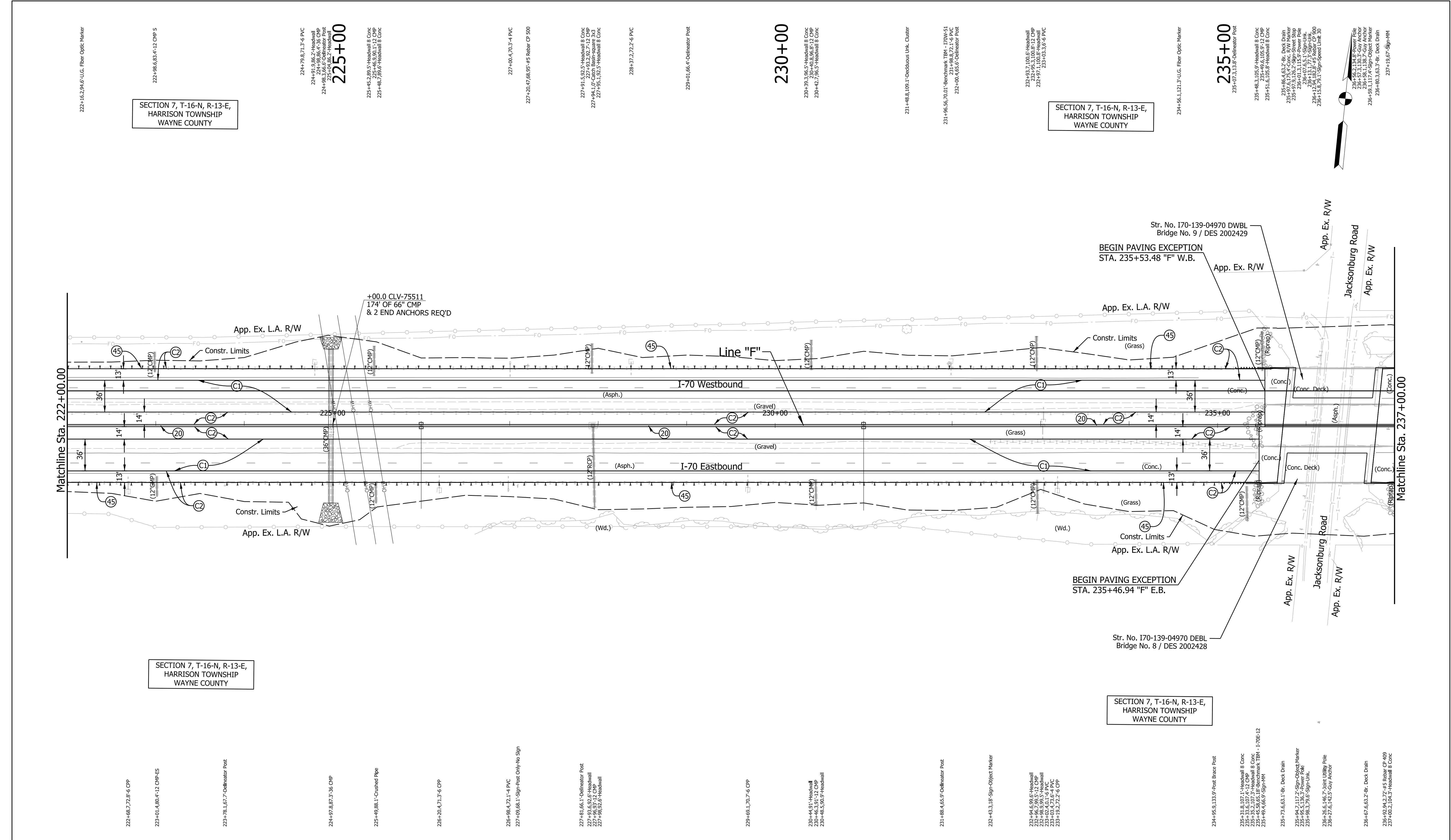
PLAN
Sta. 207+00.00 "F" to Sta. 222+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 129 of 288
CONTRACT R-43375	PROJECT 2002424

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Plot: 5/25/2023 10:05:00 AM

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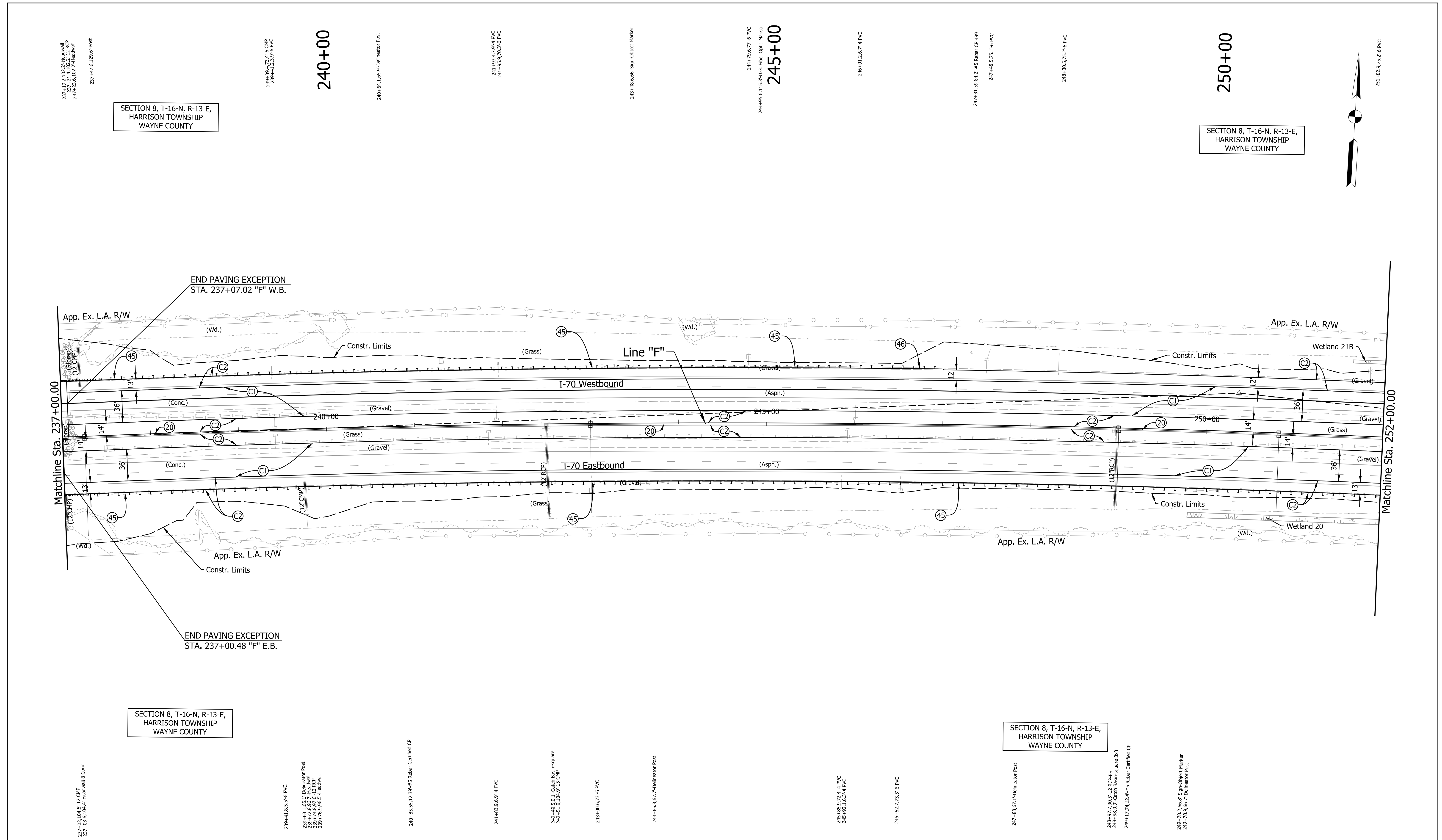
LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION		
PLAN Sta. 222+00.00 "F" to Sta. 237+00.00 "F"		

SCALE 1" = 50'	BRIDGE FILE N/A
SURVEY BOOK N/A	DESIGNATION 2002424
CONTRACT R-43375	SHEETS 131 of 288
	PROJECT 2002424



Plot: 5/25/2023 11:13:01 AM

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MJS	DRAWN: _____ MJS	
CHECKED: _____ JMM	CHECKED: _____ JMM	

INDIANA DEPARTMENT OF TRANSPORTATION

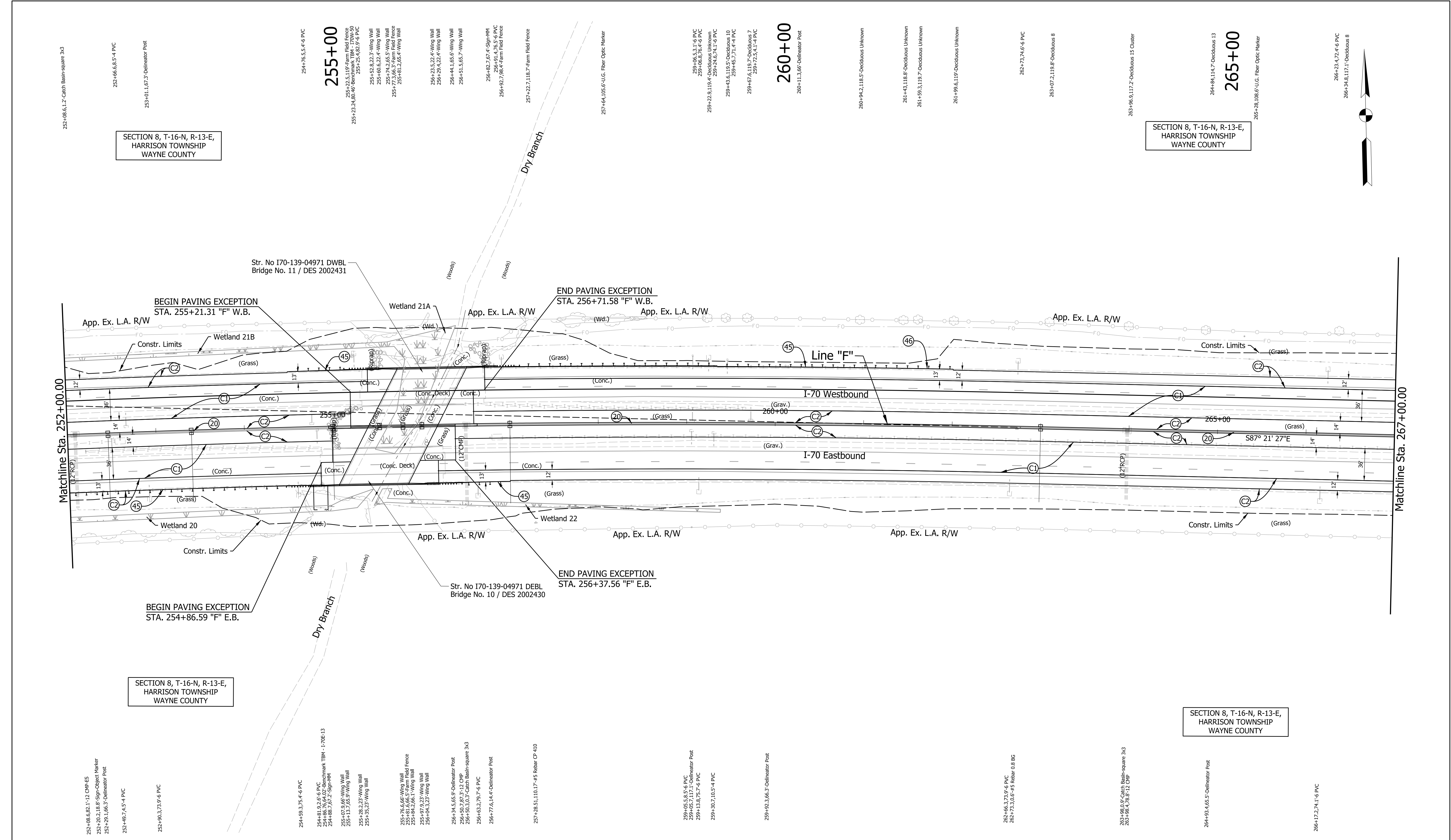
PLAN
Sta. 237+00.00 "F" to Sta. 252+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 133 of 288
CONTRACT R-43375	PROJECT 2002424

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Plot: 5/25/2023, 11:13:39 AM

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SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

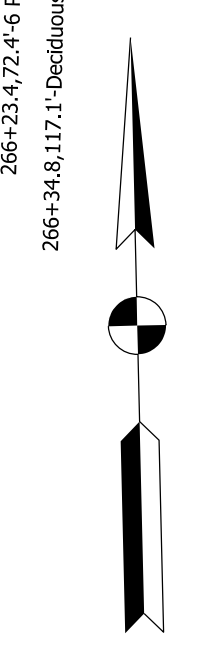
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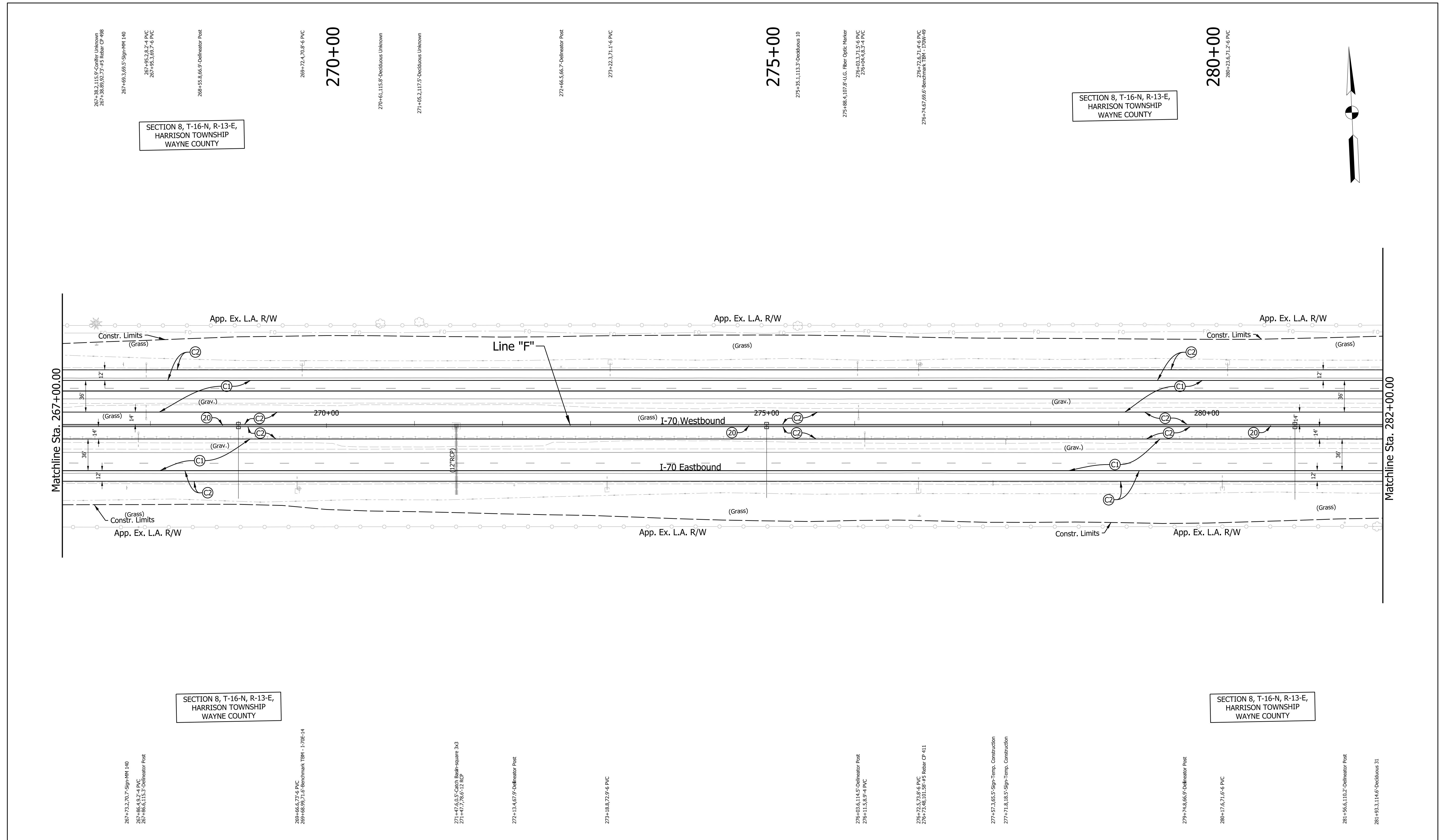
- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) Seed Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: MJS		DRAWN: MJS			
CHECKED: JMM		CHECKED: JMM			

INDIANA DEPARTMENT OF TRANSPORTATION			
PLAN			
Sta. 252+00.00 "F" to Sta. 267+00.00 "F"			

SCALE	BRIDGE FILE
1" = 50'	N/A
	DESIGNATION
	2002424
SURVEY BOOK	SHEETS
N/A	135 of 288
CONTRACT	PROJECT
R-43375	2002424





SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

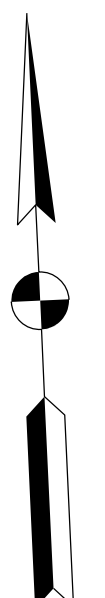
SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

LEGEND: (C1) CRCP Pavement, TBD (C2) PCCP Pavement, TBD (N) Compacted Aggregate, No. 53 (U) 6" Underdrain (20) Concrete Median Barrier (21) Concrete Railing Type FT and Moment Slab (22) Concrete Median Barrier, Modified (26) Seed Mixture, R (45) Guardrail, MGS, 6'-3" Spacing (46) Guardrail, End Treatment, OS	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION PLAN Sta. 267+00.00 "F" to Sta. 282+00.00 "F"	SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNED: _____ MJS _____ DRAWN: _____ MJS _____ CHECKED: _____ JMM _____ CHECKED: _____ JMM _____		SURVEY BOOK N/A	SHEETS 137 of 288
	CONTRACT R-43375		PROJECT 2002424	

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Plot: 5/25/2023 10:06:41 AM

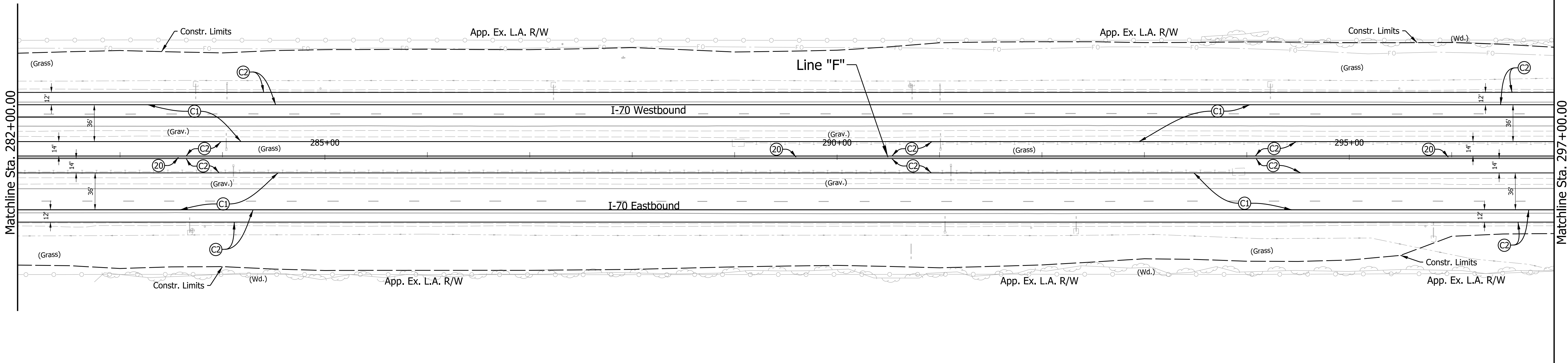


SECTION 8, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 9, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 9, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 9, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY



LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAN
Sta. 282+00.00 "F" to Sta. 297+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 139 of 288
CONTRACT R-43375	PROJECT 2002424

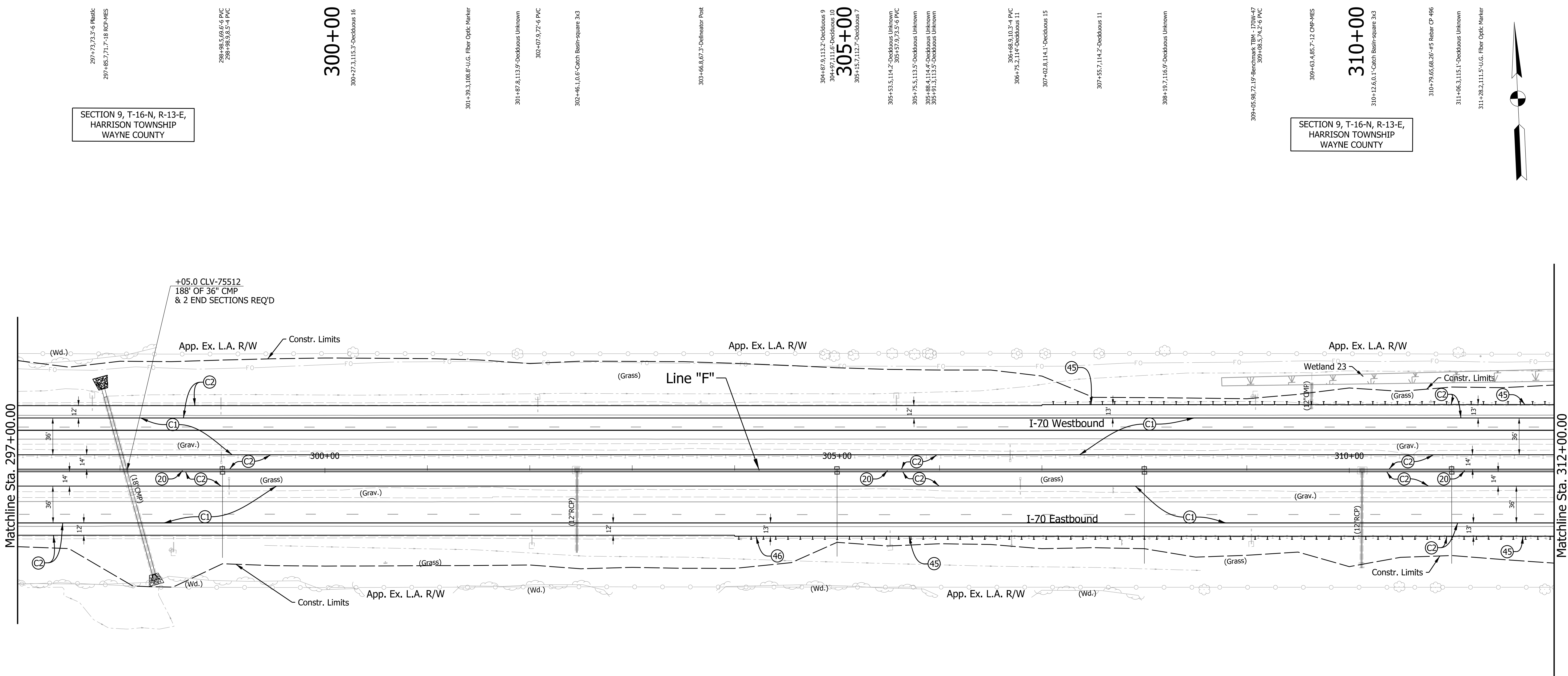
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Plot: 5/25/2023 10:07:51 AM

SECTION 9, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 9, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY



SECTION 9, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 9, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION

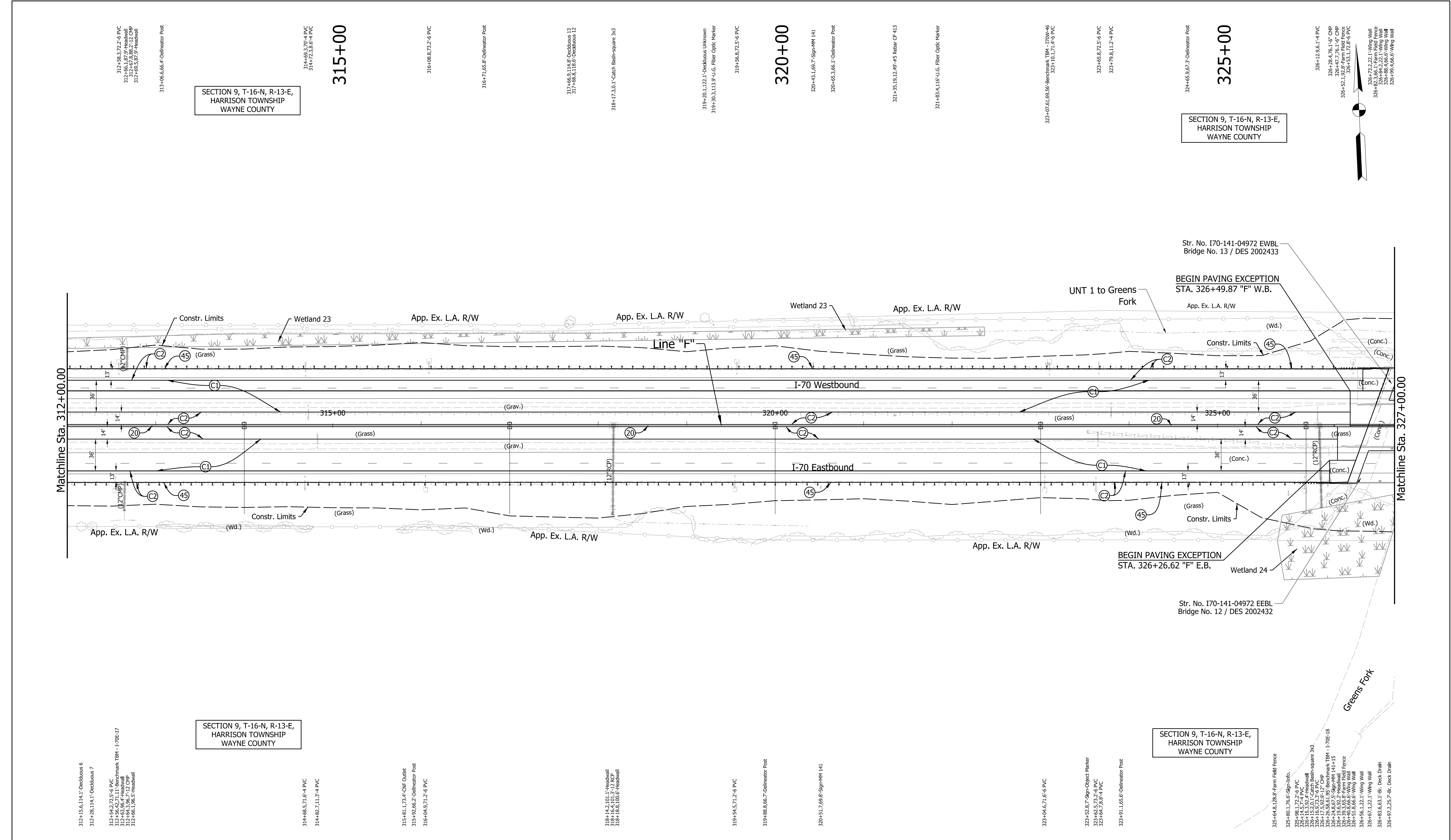
PLAN
Sta. 297+00.00 "F" to Sta. 312+00.00 "F"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 141 of 288
CONTRACT R-43375	PROJECT 2002424

File: c:\pw_working\indiana\parsons_epw29445\dms62363\R-43375_RD_Plan 297+00-312+00_F.dgn
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Plot: 5/25/2023 10:08:27 AM

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LEGEND:

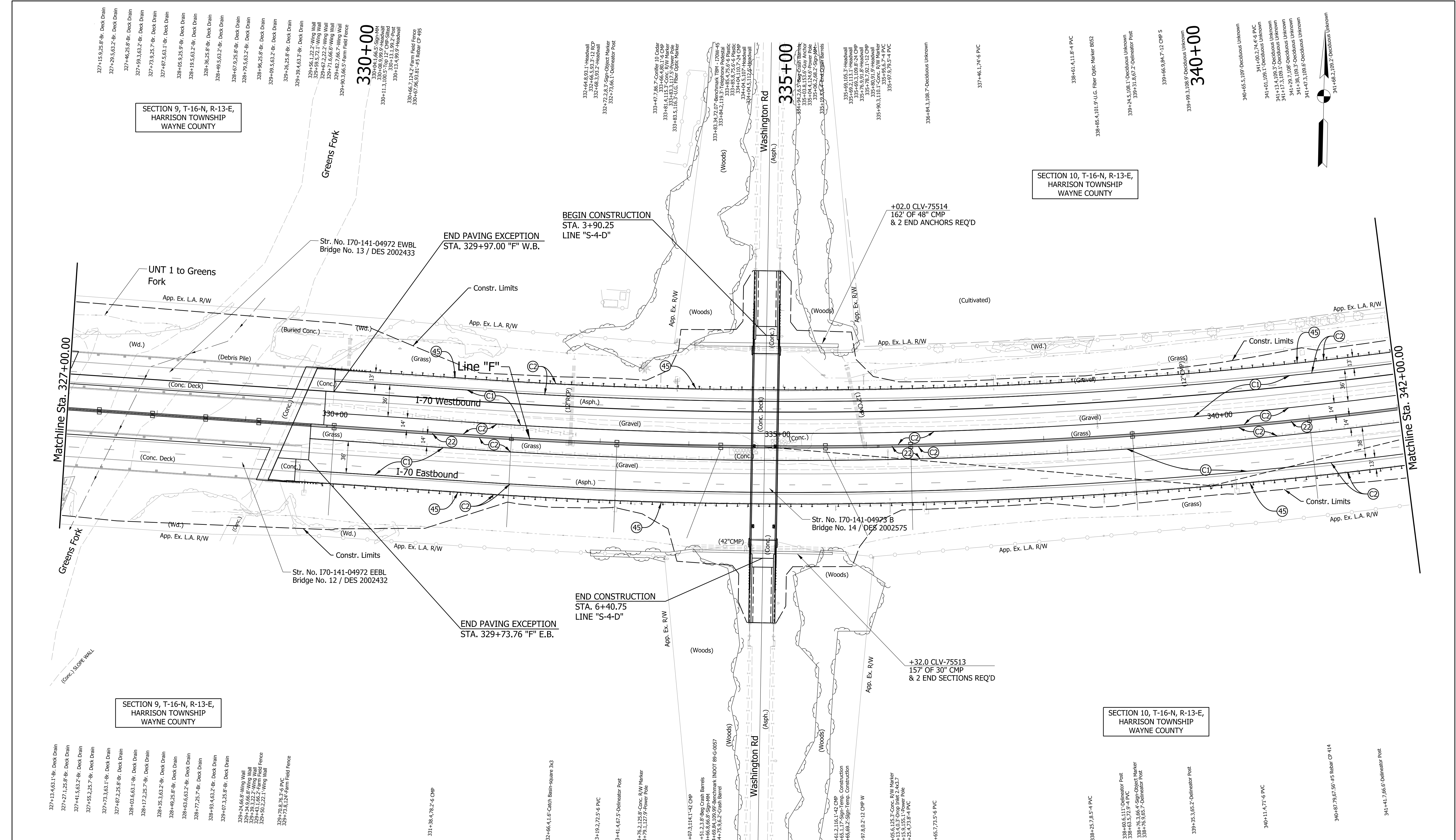
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|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN
Sta. 312+00.00 "F" to Sta. 327+00.00 "F"

SCALE	BRIDGE FILE
1" = 50'	N/A
DESIGNATION	2002424
SURVEY BOOK	SHEETS
N/A	143 of 288
CONTRACT	PROJECT
R-43375	2002424



LEGEND: (C1) CRCP Pavement, TBD (C2) PCCP Pavement, TBD (N) Compacted Aggregate, No. 53 (U) 6" Underdrain (20) Concrete Median Barrier (21) Concrete Railing Type FT and Moment Slab (22) Concrete Median Barrier, Modified (26) Seed Mixture, R (45) Guardrail, MGS, 6'-3" Spacing (46) Guardrail, End Treatment, OS	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: MJS DRAWN: MJS CHECKED: JMM CHECKED: JMM	INDIANA DEPARTMENT OF TRANSPORTATION PLAN Sta. 327+00.00 "F" to Sta. 342+00.00 "F"	SCALE 1" = 50' BRIDGE FILE N/A DESIGNATION 2002424 SURVEY BOOK N/A SHEETS 145 of 288 CONTRACT R-43375 PROJECT 2002424
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Plot: 5/25/2023 10:09:04 AM

Plot: 5/25/2023 10:09:40 AM

File: c:\pw_working\indiana\parsons_epw29445\dms62363\R-43375_RD_Plan 342+00-357+00_F.dgn
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SECTION 10, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 10, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 10, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 10, T-16-N, R-13-E,
HARRISON TOWNSHIP
WAYNE COUNTY

343+15.5,102.5'-U.G. Fiber Optic Marker
343+66.2,95.8'-12 CMP
343+67.1,109.6'-Deciduous Unknown

344+77.9,75'-6 PVC
344+76.2,66.9'-Delineator Post
345+00
345+27.8,116.8'-Deciduous Unknown
345+63.3,71.7'-4 PVC
345+65.4,127'-4 PVC

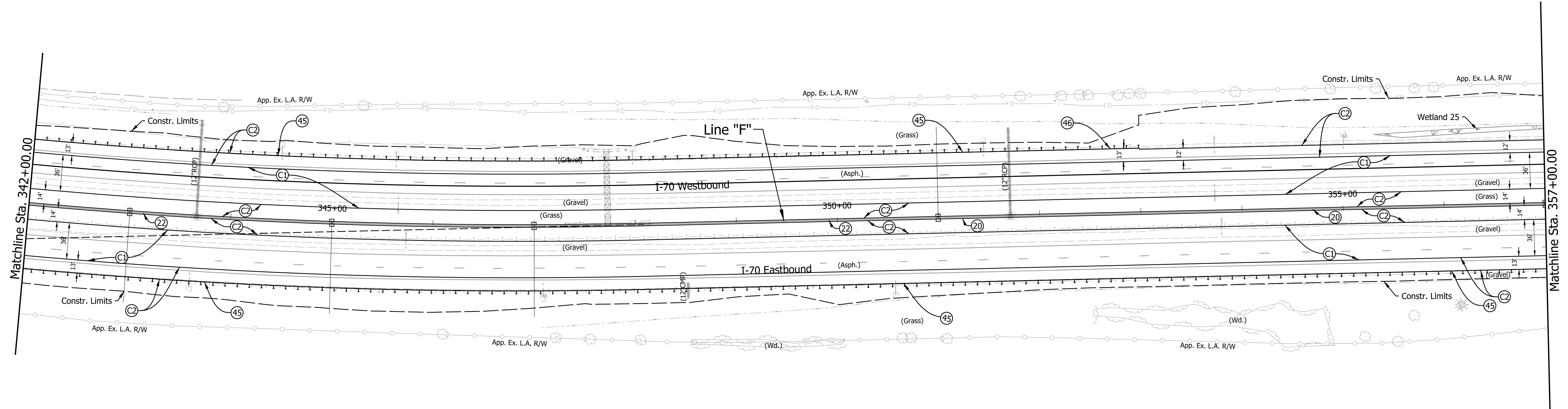
347+98.6,74.4'-6 PVC
348+69.6,7.6'-Delineator Post

350+32.12,117.62'-#5 Rebar CP 494
351+46.7,4.5'-6 PVC
351+70.7,7.8'-12 CMP-MES
351+83.3,116.6'-Deciduous Unknown

352+17.2,112.4'-U.G. Fiber Optic Marker
352+24.2,2.118'-Deciduous Unknown
352+41.9,118.3'-Deciduous Unknown
352+50.4,118.1'-Deciduous Unknown
352+79.8,117.3'-Deciduous 10
352+90.5,67.8'-Delineator Post
352+91.1,118.5'-Deciduous Unknown
352+92.1,118.8'-Deciduous Unknown

353+2.5,12.1'-4 PVC
353+4.5,17.2'-4 PVC
353+96,117.8'-Deciduous Unknown

354+89.8,118.5'-Deciduous Unknown
354+93.7,47.7'-Deciduous 24 Cluster
355+00
355+34.6,118.1'-Deciduous 13
355+73.1,117.5'-Deciduous Unknown
355+92.1,118'-Deciduous Unknown



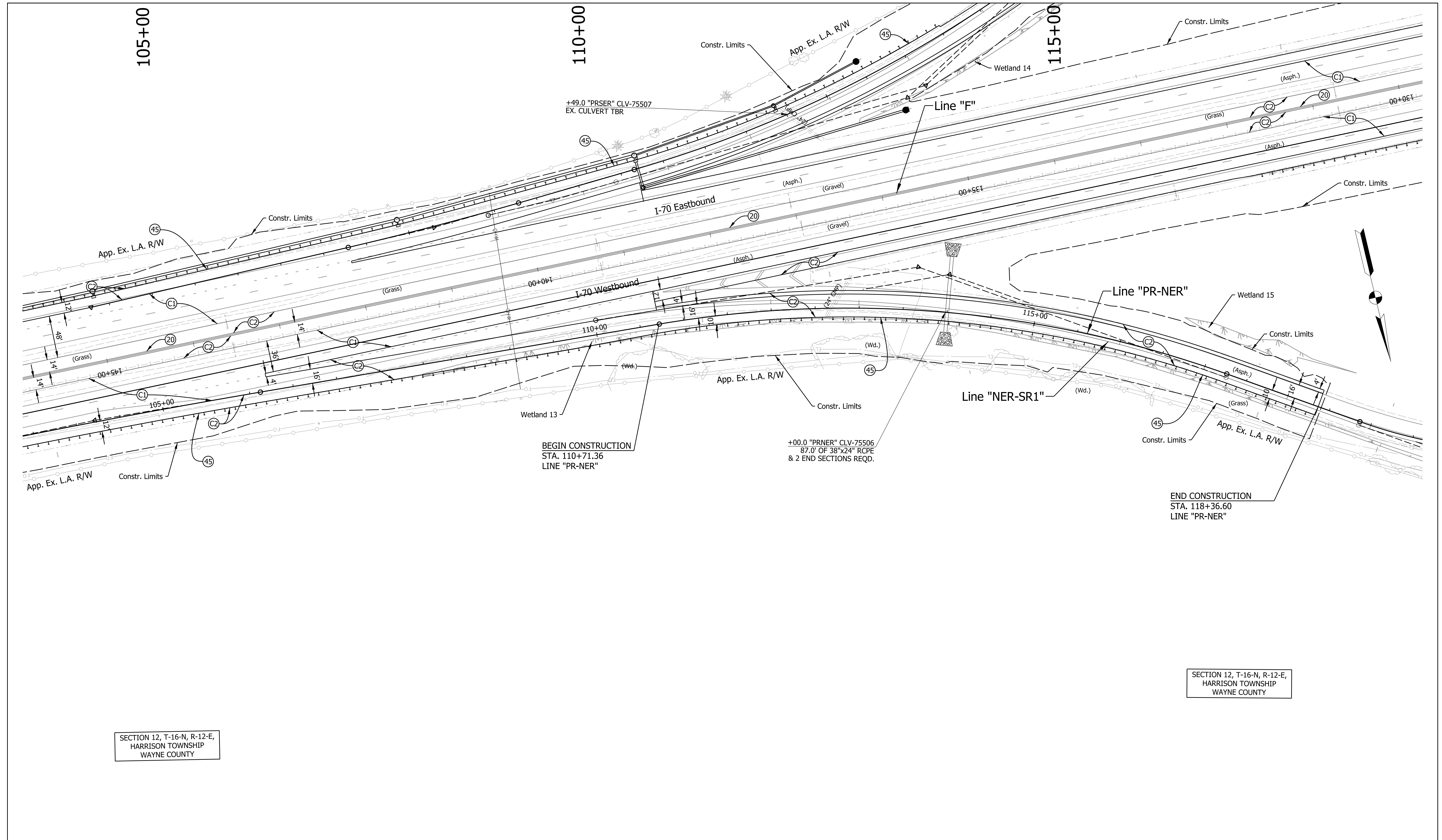
LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN Sta. 342+00.00 "F" to Sta. 357+00.00 "F"	

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 147 of 288
CONTRACT R-43375	PROJECT 2002424



SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

BEGIN CONSTRUCTION
STA. 110+71.36
LINE "PR-NER"

+00.0 "PRNER" CLV-75506
87.0' OF 38"x24" RCPE
& 2 END SECTIONS REQD.

END CONSTRUCTION
STA. 118+36.60
LINE "PR-NER"

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

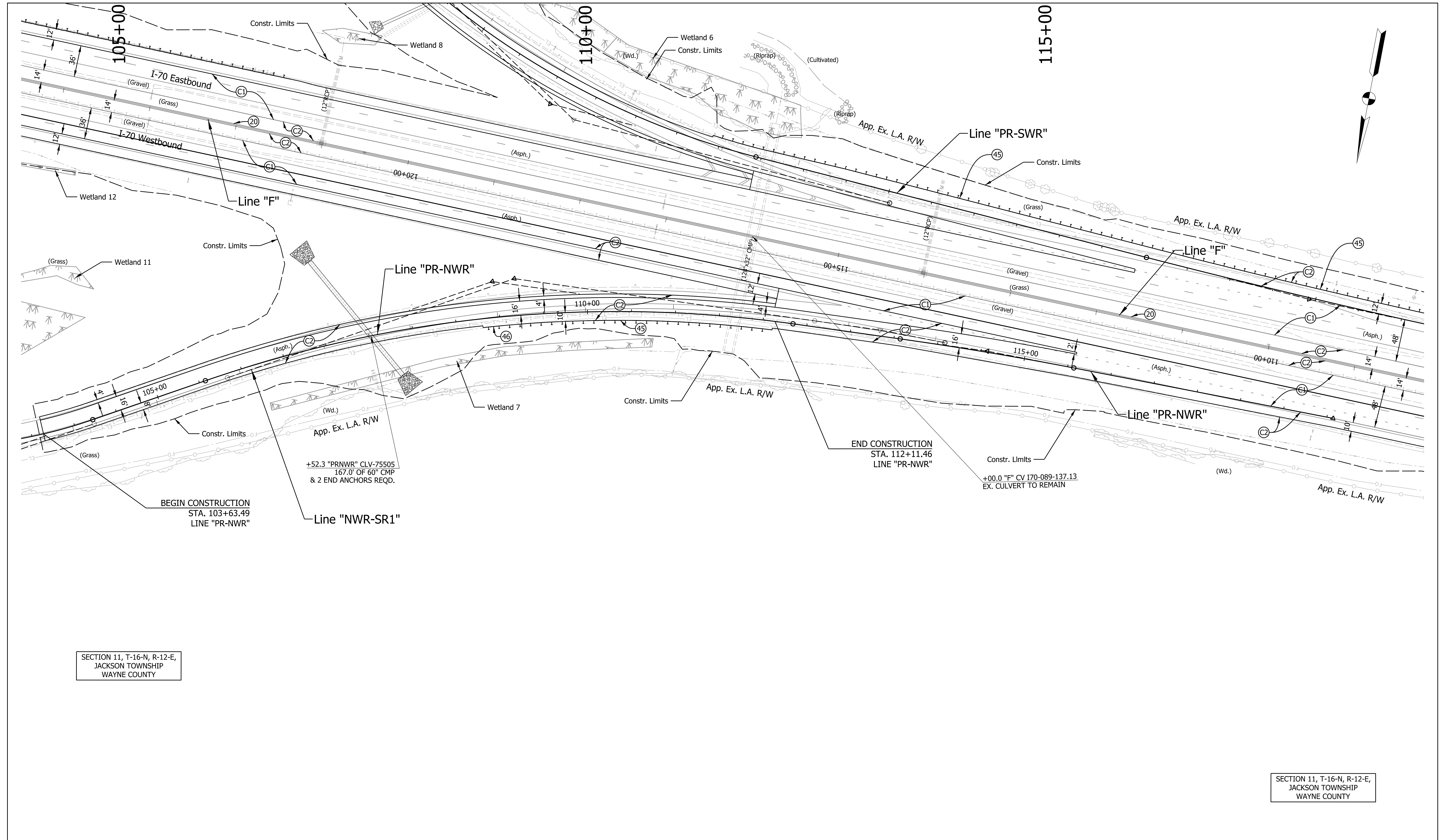
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
Line "PR-NER"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 149 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 10:10:14 AM

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Model: pw:\VANVA01PWINT01.parsons.com:Indiana State\Documents\I70 Pavement Replacement\10 - Design\02 - B&N\CAD\Roadway\Sheets\R-43375_RD_PRNER



SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

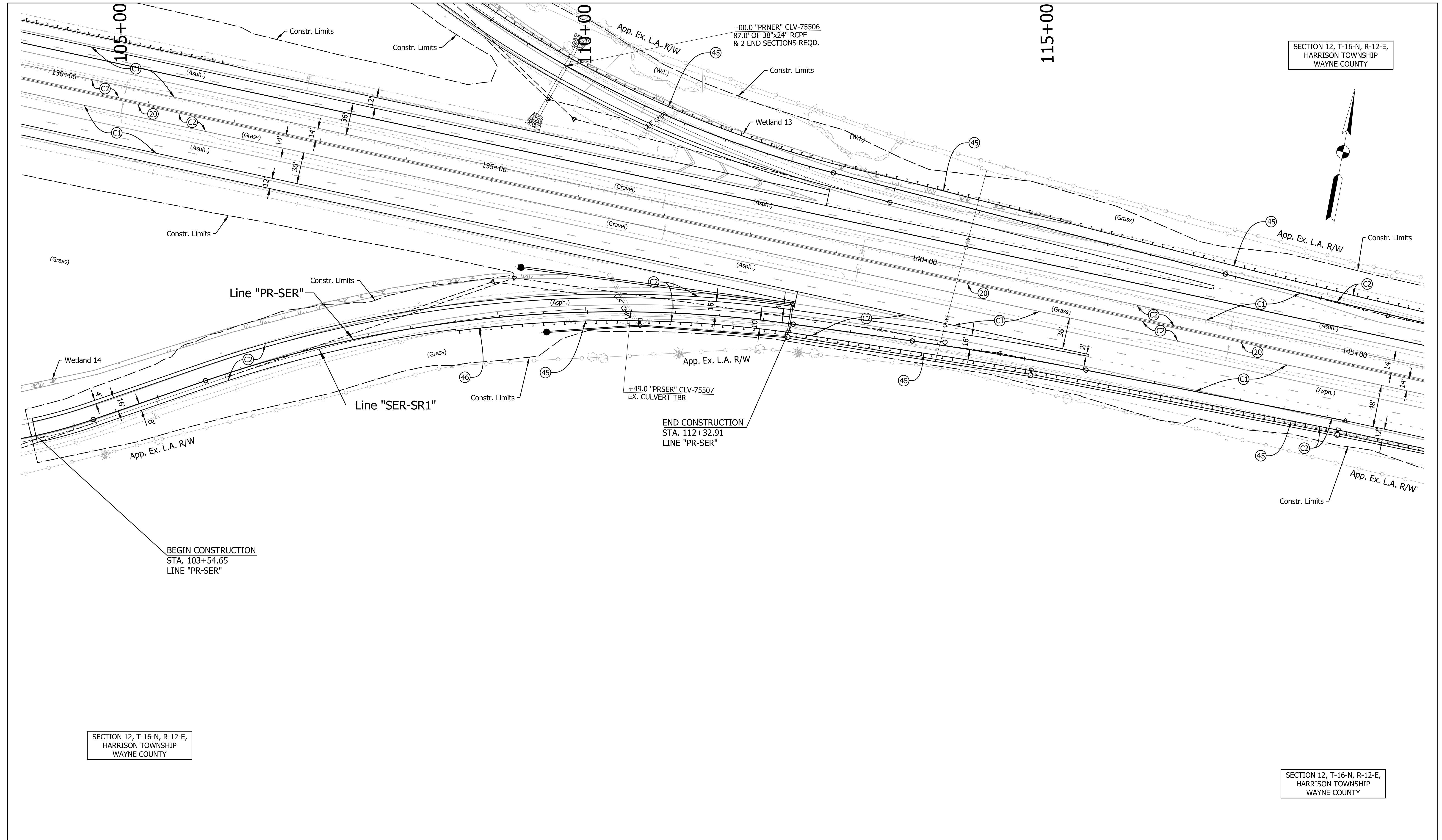
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
Line "PR-NWR"

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 151 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 10:10:47 AM

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SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

SECTION 12, T-16-N, R-12-E,
HARRISON TOWNSHIP
WAYNE COUNTY

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

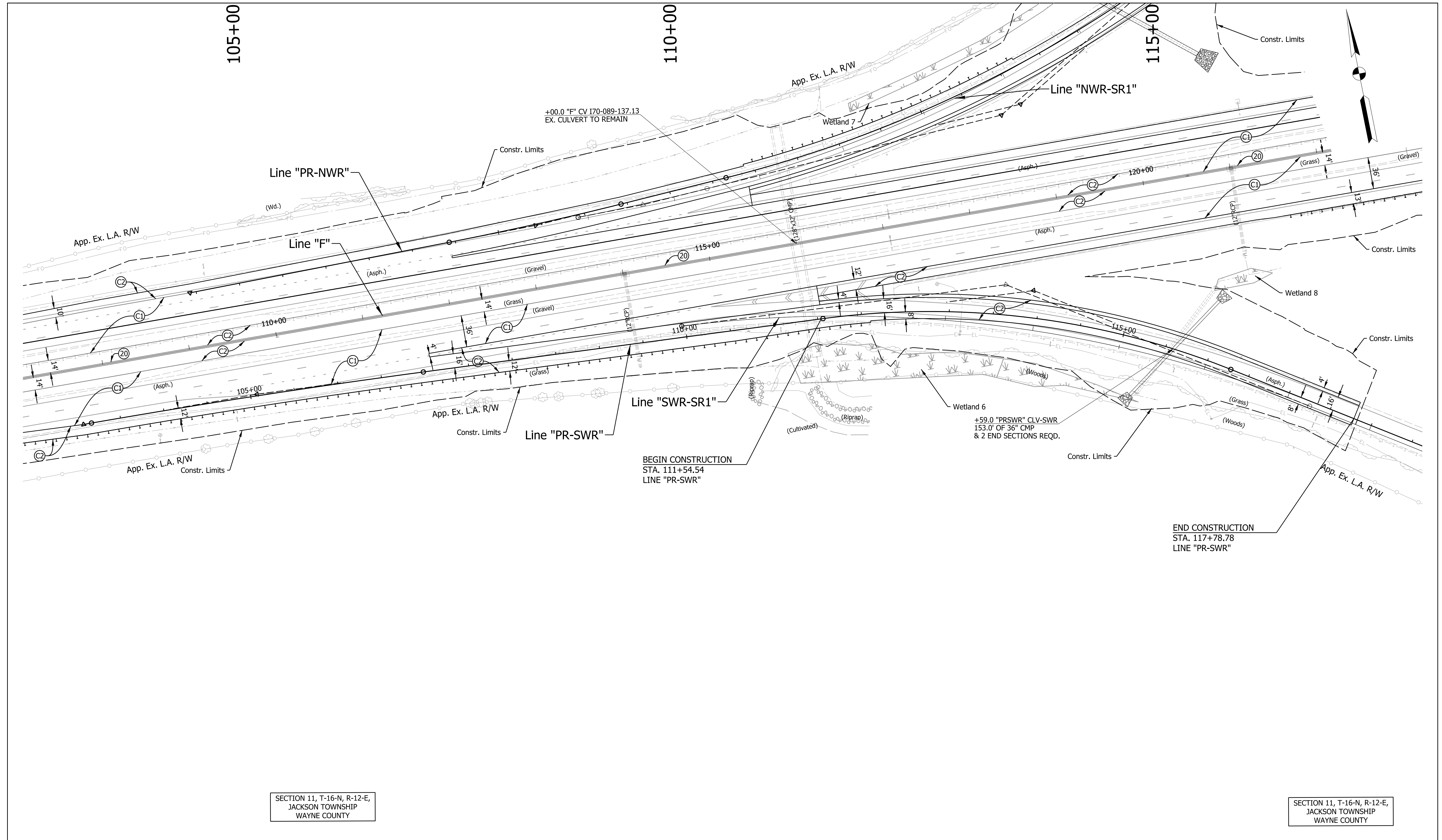
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PLAN
Line "PR-SER"**

SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 153 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 10:11:18 AM

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Model: pw://VANVA01PWINT01.parsons.com:Indiana State/Documents/170 Pavement Replacement/10 - Design/02 - B&N/CAD/Roadway/Sheets/R-43375_RD_PRSER



SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

SECTION 11, T-16-N, R-12-E,
JACKSON TOWNSHIP
WAYNE COUNTY

LEGEND:

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) Seed Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: MJS	
CHECKED: JMM	CHECKED: JMM	

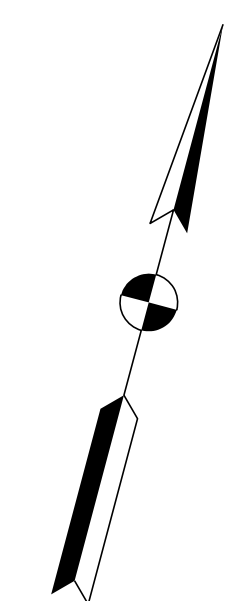
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
Line "PR-SWR"

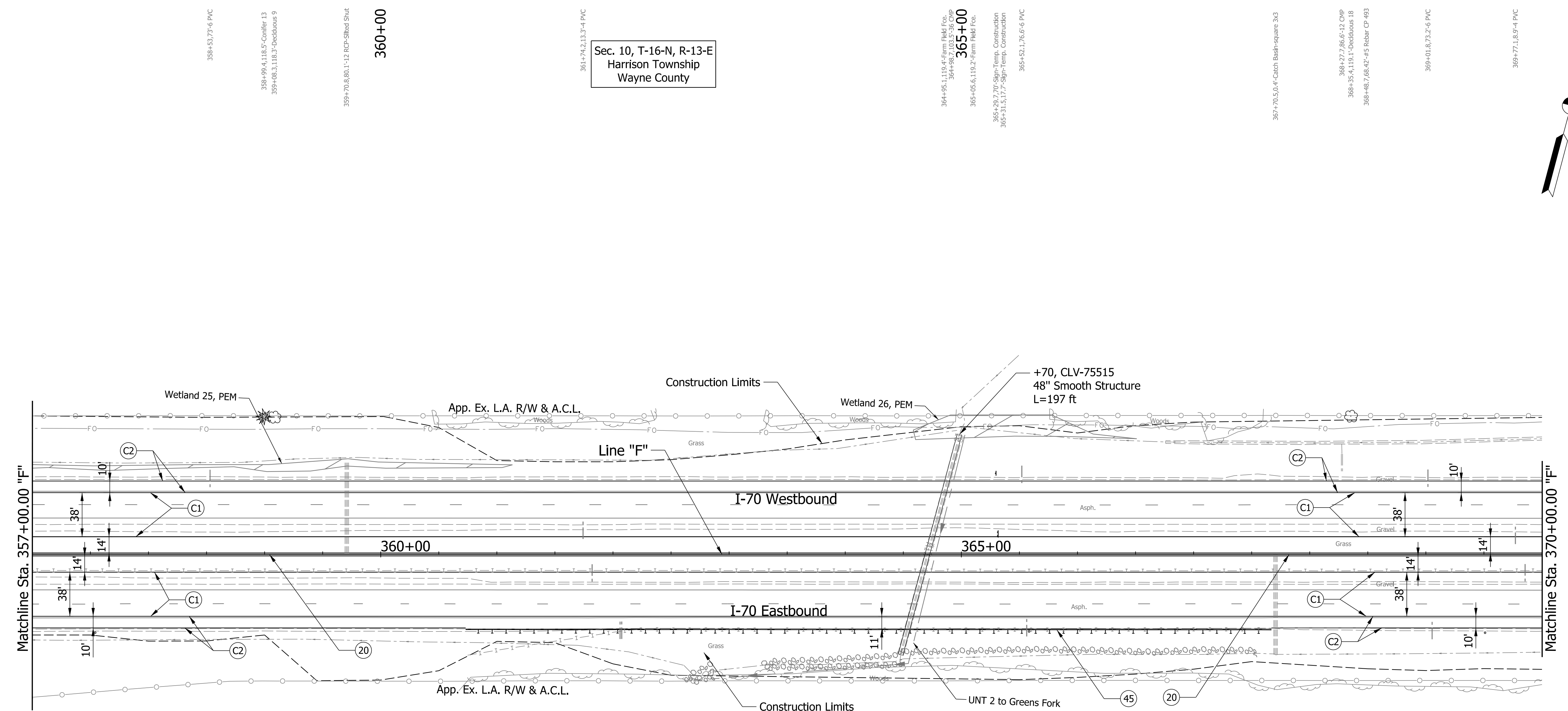
SCALE 1" = 50'	BRIDGE FILE N/A
	DESIGNATION 2002424
SURVEY BOOK N/A	SHEETS 155 of 288
CONTRACT R-43375	PROJECT 2002424

Plot: 5/25/2023 10:11:52 AM

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Model: pw://VANVA01PWINT01.parsons.com:Indiana State/Documents/170 Pavement Replacement/10 - Design/02 - B&N/CAD/Roadway/Sheets/R-43375_RD_PRSWR



Sec. 10, T-16-N, R-13-E
Harrison Township
Wayne County



Note to Reviewer:
The Previous Plan Sheets up to Matchline
357+00 are Part of a Separate Review Package

Sec. 10, T-16-N, R-13-E
Harrison Township
Wayne County

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
I-70
STA. 357+00 TO STA. 370+00**

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 10:58 AM

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Plot: 5/23/2023 10:59 AM

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 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

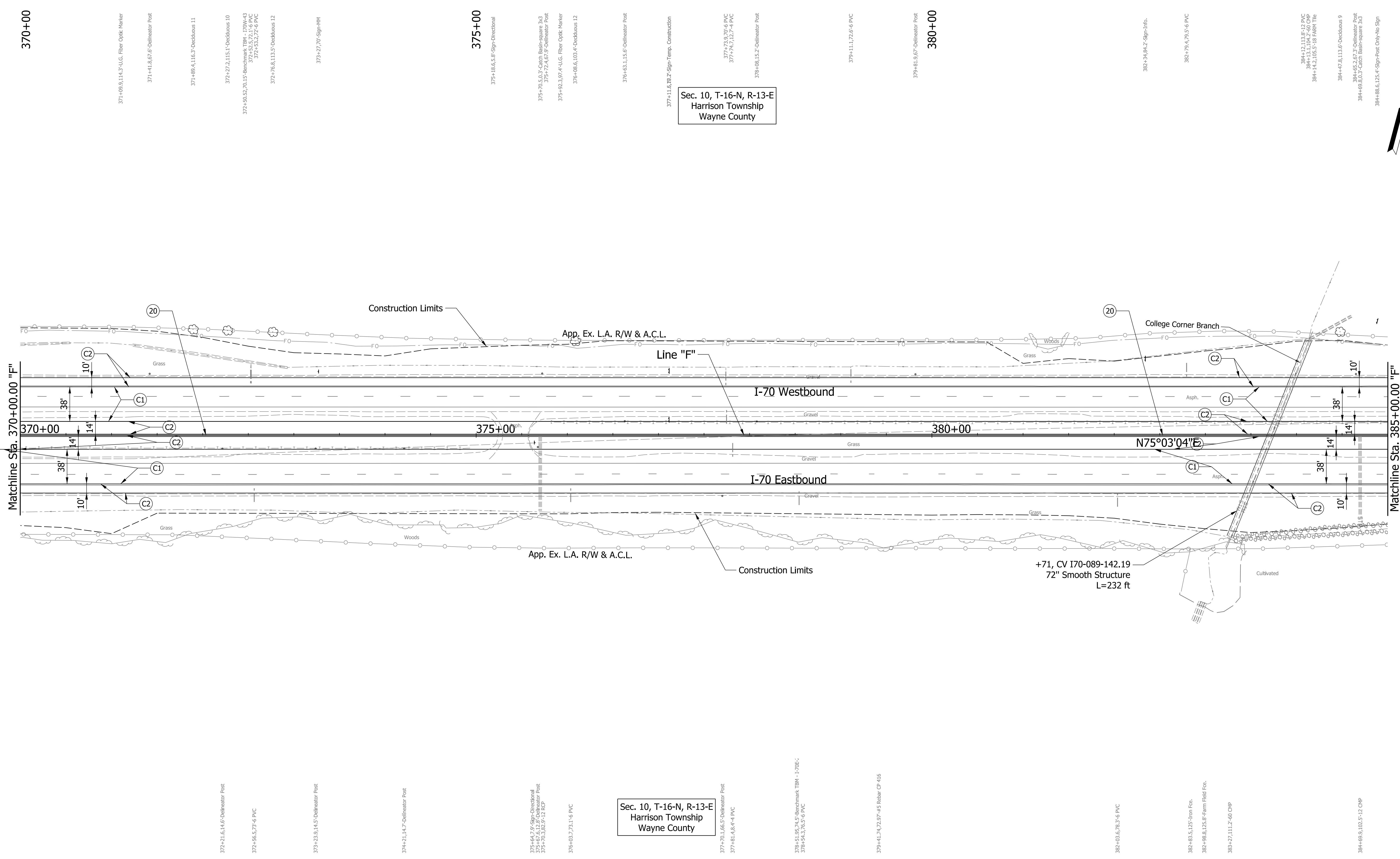
- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 370+00 TO STA. 385+00

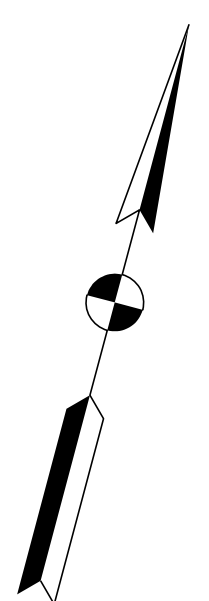
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N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

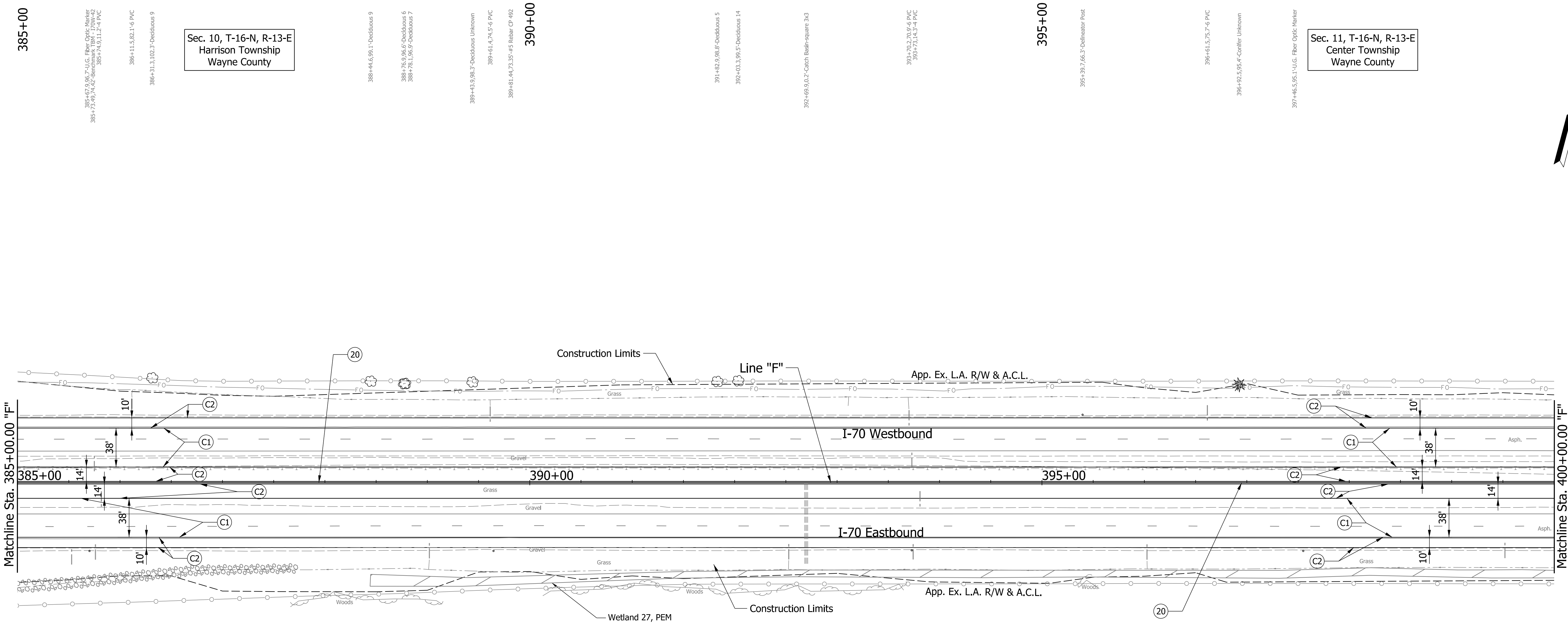
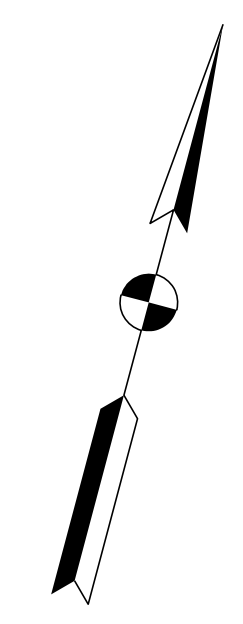
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Sec. 10, T-16-N, R-13-E
 Harrison Township
 Wayne County

Sec. 10, T-16-N, R-13-E
 Harrison Township
 Wayne County





Sec. 10, T-16-N, R-13-E
Harrison Township
Wayne County

Sec. 11, T-16-N, R-13-E
Center Township
Wayne County

385+67.9, 96.7, U.G. Fiber Optic Marker
386+72.49, 74.42, Benchmark BM# - 170W-42
387+74.9, 11.7-4 PVC
386+11.5, 82.1-6 PVC
386+31.3, 102.3-Deadend 9

388+44.6, 99.1-Deadend 9
388+76.9, 96.6-Deadend 6
388+78.1, 96.9-Deadend 7

389+43.9, 88.3-Deadend Unknown
389+61.4, 74.5-6 PVC
389+81.44, 73.35-#5 Rebar CP 492

391+82.9, 98.8-Deadend 5
392+03.3, 99.5-Deadend 14
392+69.9, 0.7-Catch Basin-square 3x3

393+70.2, 70.9-6 PVC
393+73.14, 3-4 PVC

395+39.7, 66.3-Delineator Post

396+61.5, 75.7-6 PVC
396+92.5, 96.4-Corridor Unknown

397+46.5, 95.1-U.G. Fiber Optic Marker

385+52.7, 79.9-6 PVC
385+70.2, 65.6-Delineator Post
385+70.2, 65.6-Delineator Post
385+61.7, 8.4-4 PVC

Sec. 10, T-16-N, R-13-E
Harrison Township
Wayne County

388+02.7, 3.6 PVC
389+48.7, 72.57-Benchmark BM# - 170E-22
389+44.6, 66.6-Delineator Post

392+52.8, 74.9-6 PVC
392+69.9, 79.3-12 RCP

393+72.9, 66.6-Delineator Post
393+68.9, 82.4 PVC

396+02.5, 75.2-6 PVC

397+55.1, 66.6-Delineator Post

399+52.7, 6.6 PVC

Plot: 5/23/2023 10:59 AM

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 385+00 TO STA. 400+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_03.dgn

Plot: 5/23/2023 11:00 AM

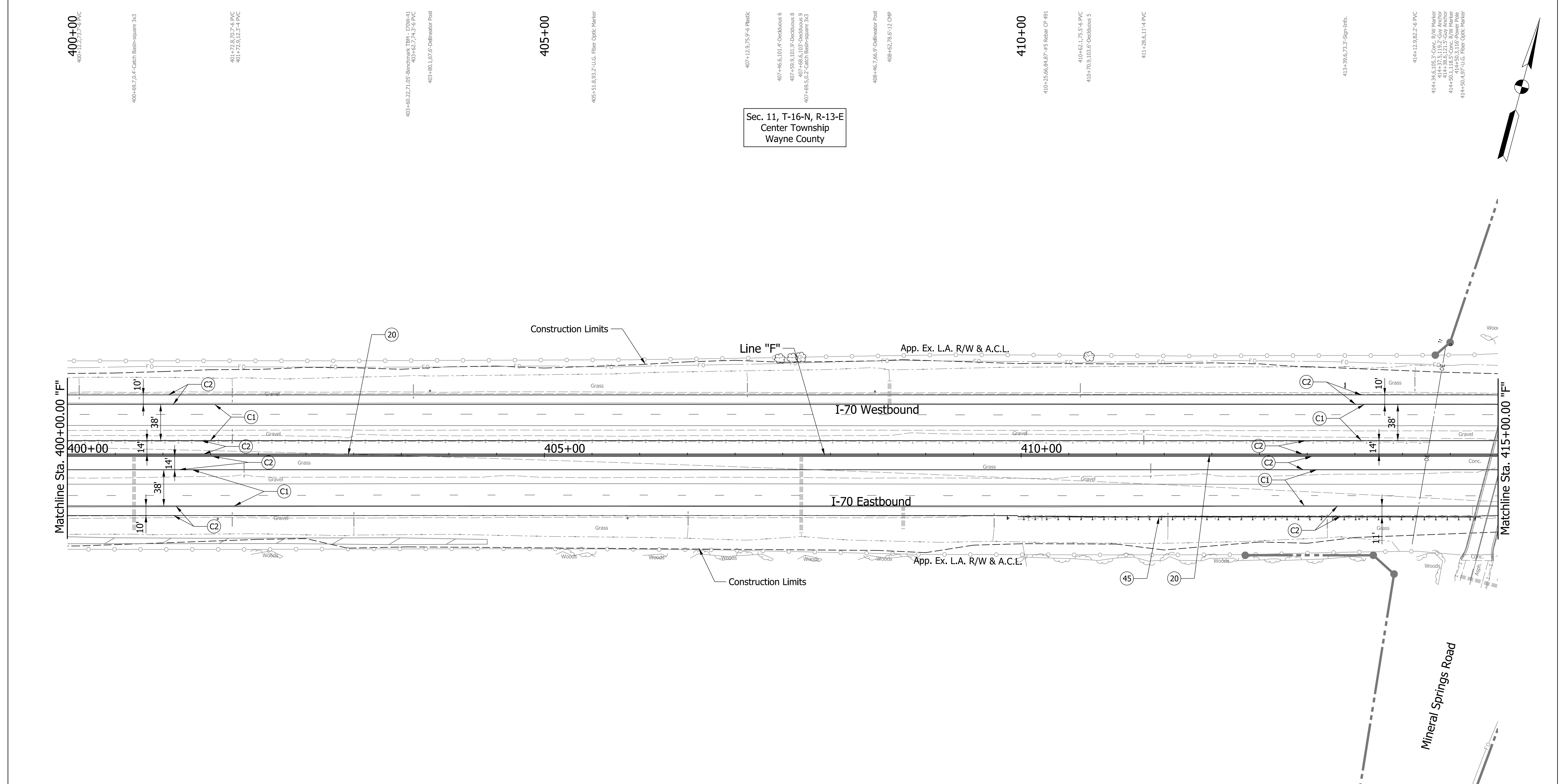
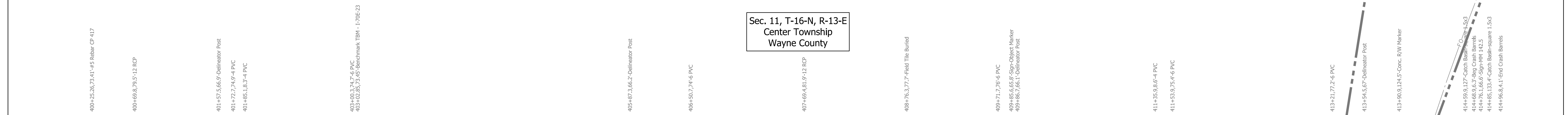
PARSONS
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 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

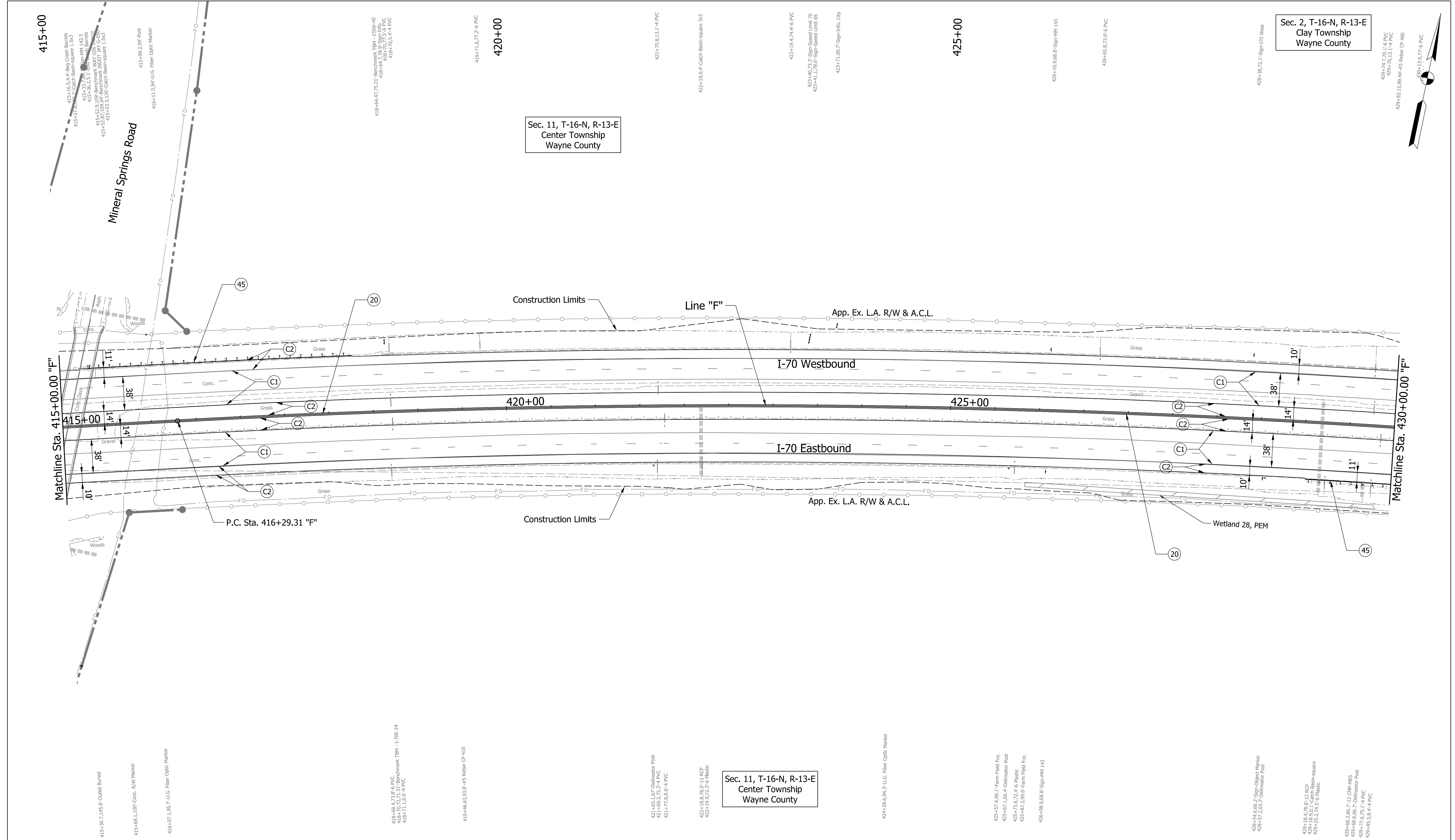
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 400+00 TO STA. 415+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424



Sec. 11, T-16-N, R-13-E
 Center Township
 Wayne County



Plot: 5/23/2023 11:00 AM

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- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
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| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

Sec. 11, T-16-N, R-13-E
 Center Township
 Wayne County

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN SHEET
 I-70
 STA. 415+00 TO STA. 430+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

p:\NANVA01\PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_05.dgn

Plot: 5/23/2023 11:00 AM

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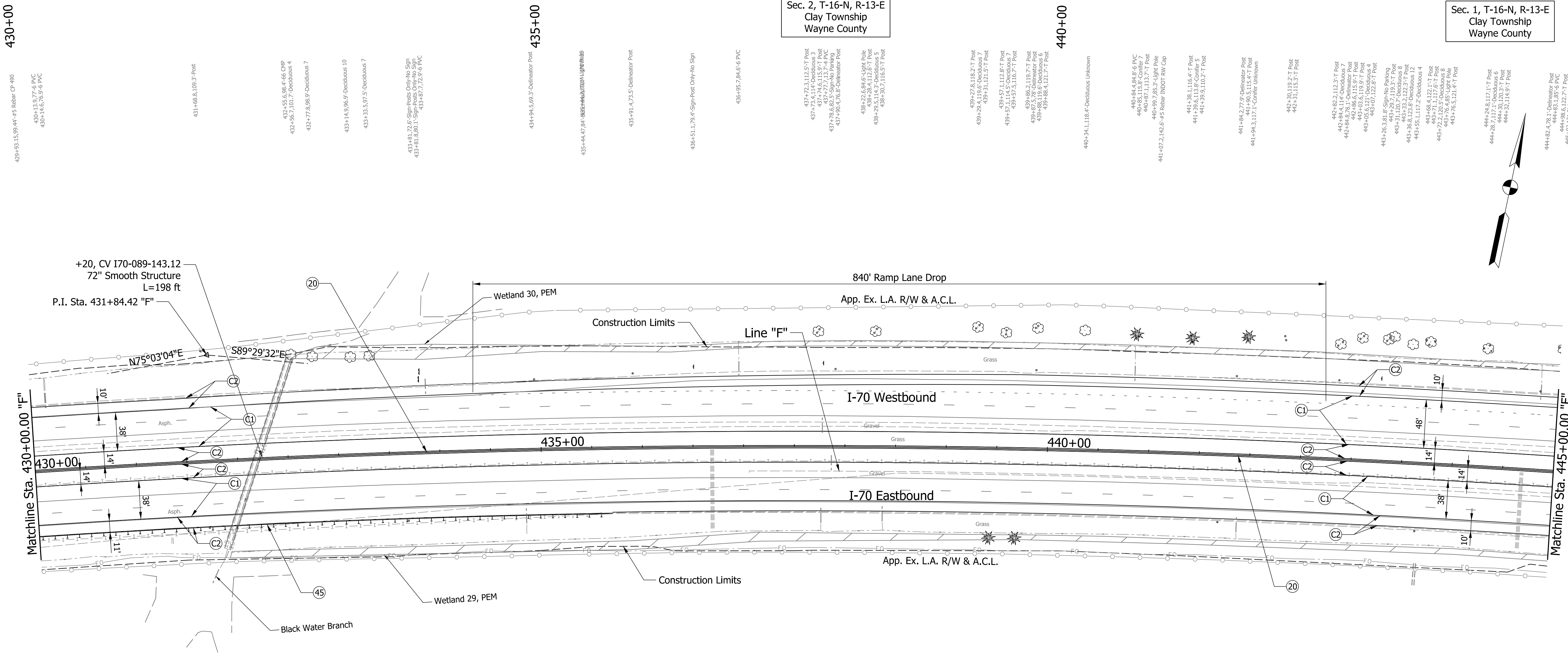
- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 430+00 TO STA. 445+00

SCALE	BRIDGE FILE
1" = 50'	
N/A	DESIGNATION
	2002424
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT
R-43375	2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_06.dgn



430+00
 430+00.15, 95.44'-#5 Rebar CP #99
 430+13.9, 77.6' PVC
 430+15.6, 76.9' PVC

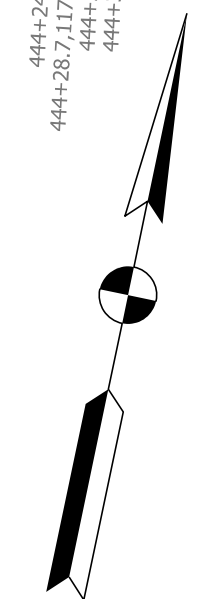
431+68.8, 109.3' Post
 432+55.6, 98.4' 66 CMP
 432+56.7, 101.7' Deciduous 4
 432+77.8, 98.9' Deciduous 7
 433+14.9, 96.9' Deciduous 10
 433+33.5, 97.5' Deciduous 7
 433+48.1, 72.6' Sign Posts Only No Sign
 433+81.8, 80.1' Sign Posts Only No Sign
 433+87.7, 72.5' 6" PVC

435+00
 435+94.5, 69.3' Delineator Post
 435+44.4, 47.84' 885#44444444444444444444
 435+91.4, 71.5' Delineator Post
 436+51.1, 79.4' Sign Post Only No Sign
 436+95.7, 84.6' 6" PVC

Sec. 2, T-16-N, R-13-E
 Clay Township
 Wayne County

440+00
 439+27.8, 118.2' T Post
 439+29.4, 118.2' Deciduous 7
 439+31.1, 121.9' T Post
 439+57.1, 112.8' T Post
 439+57.5, 115.2' T Post
 439+57.5, 115.2' T Post
 439+67.5, 98.2' 119.7' T Post
 439+88.1, 119.6' Deciduous 6
 439+88.4, 121.7' T Post
 440+34.1, 118.4' Deciduous Unknown
 440+84.6, 84.6' 6" PVC
 440+87.1, 113.7' T Post
 440+92.7, 85.3' Light Pole
 441+07.2, 142.6' #5 Rebar INDOT RW Cap
 441+38.1, 116.6' T Post
 441+39.6, 113.8' Conifer
 441+39.9, 110.2' T Post
 441+84.2, 77.9' Delineator Post
 441+94.3, 117.1' Conifer Unknown
 442+30.1, 119.2' T Post
 442+31.1, 115.3' T Post
 442+82.2, 112.3' T Post
 442+84.6, 78.1' Delineator Post
 442+86.6, 115.9' T Post
 443+05.6, 121.2' Deciduous 4
 443+07.1, 122.8' T Post
 443+26.3, 81.8' Sign No Parking
 443+31.0, 77.1' 119.3' T Post
 443+33.2, 122.3' T Post
 443+33.2, 122.3' T Post
 443+55.1, 112.5' Deciduous 12
 443+55.1, 112.5' Deciduous 4
 443+68.8, 116.6' T Post
 443+71.1, 117.6' T Post
 443+71.1, 117.6' T Post
 443+76.5, 121.4' T Post
 444+24.8, 117.1' T Post
 444+28.7, 117.1' T Post
 444+30.1, 120.3' T Post
 444+32.1, 114.9' T Post
 444+82.4, 78.1' Delineator Post
 444+83.1, 85.6' PVC
 444+83.1, 85.6' PVC
 445+02.5, 117.5' T Post
 445+05.9, 122.8' T Post

Sec. 1, T-16-N, R-13-E
 Clay Township
 Wayne County

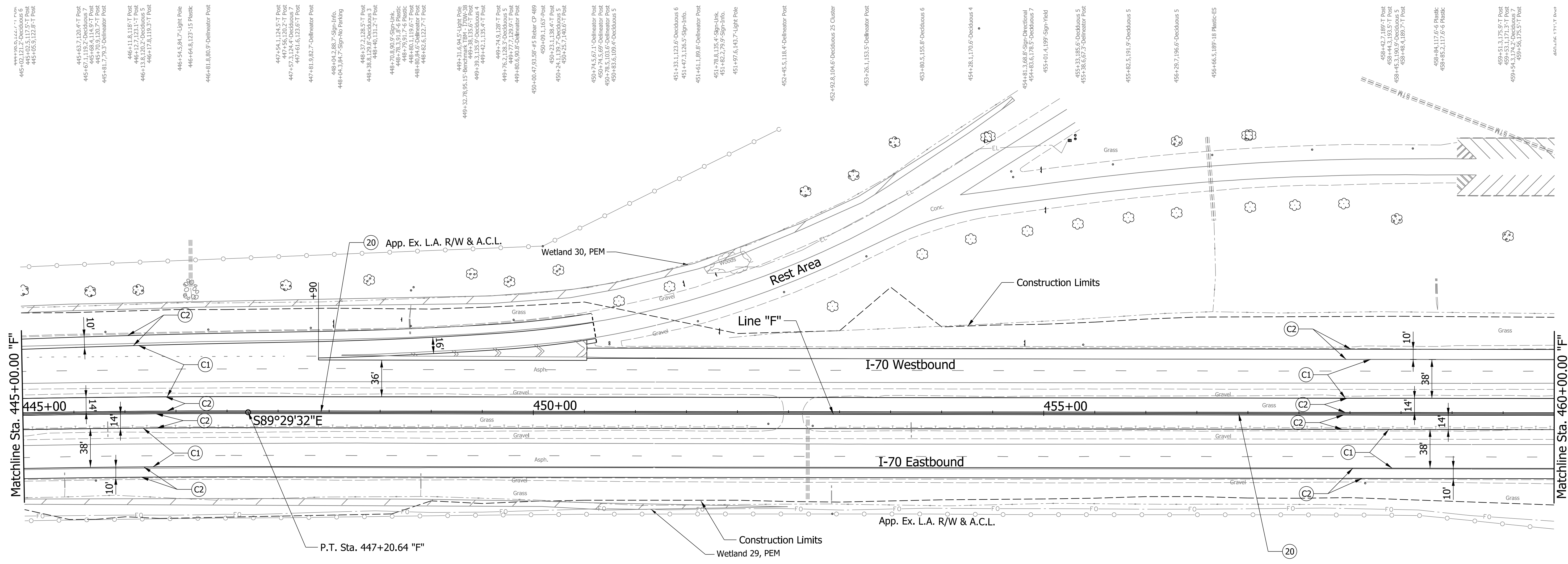


445+00

450+00

455+00

Sec. 1, T-16-N, R-13-E
Clay Township
Wayne County



445+00.00, 162.47'-1 Post
445+00.50, 117.51'-1 Post
445+01.00, 162.47'-1 Post

445+63.7, 120.4'-1 Post
445+67.1, 115.5'-1 Post
445+70.5, 119.9'-1 Post
445+73.9, 120.7'-1 Post
445+77.3, 115.5'-1 Post

446+11.8, 118.7'-1 Post
446+15.2, 123.1'-1 Post
446+18.6, 118.7'-1 Post
446+22.0, 113.3'-1 Post

446+54.5, 84.7'-Light Pole
446+58.0, 123'-15 Plastic
446+61.5, 80.9'-Deliminator Post

447+24.1, 125.5'-1 Post
447+27.5, 120.7'-1 Post
447+30.9, 125.5'-1 Post
447+34.3, 120.7'-1 Post

448+04.2, 88.7'-Sign-146
448+07.6, 84.7'-Sign-No Parking
448+11.0, 128.5'-1 Post
448+14.4, 123.8'-1 Post
448+17.8, 119.2'-1 Post

449+70.8, 80.9'-Sign-Link
449+74.2, 85.8'-6 Plastic
449+77.6, 80.9'-6 Plastic
449+81.0, 85.8'-Deliminator Post
449+84.4, 80.9'-1 Post

449+31.6, 94.5'-Light Pole
449+35.0, 89.6'-1 Post
449+38.4, 94.5'-1 Post
449+41.8, 89.6'-1 Post

449+74.9, 132.7'-1 Post
449+78.3, 128.3'-Deciduous 5
449+81.7, 132.7'-1 Post
449+85.1, 128.3'-1 Post

450+00.0, 73.03'-45 Rebar CP-489
450+00.50, 116.3'-1 Post
450+01.00, 73.03'-1 Post
450+01.50, 116.3'-1 Post

450+74.5, 67.4'-Deliminator Post
450+77.9, 62.5'-Deliminator Post
450+81.3, 67.4'-Deliminator Post
450+84.7, 62.5'-Deliminator Post

451+33.1, 122.6'-Deciduous 6
451+36.5, 128.2'-Sign-110
451+39.9, 122.6'-1 Post
451+43.3, 128.2'-1 Post

451+78.8, 135.4'-Sign-Link
451+82.2, 129.9'-Sign-110
451+85.6, 135.4'-1 Post
451+89.0, 129.9'-1 Post

452+14.5, 118.4'-Deliminator Post
452+17.9, 113.5'-Deliminator Post
452+21.3, 118.4'-1 Post
452+24.7, 113.5'-1 Post

453+74.5, 113.5'-Deliminator Post
453+77.9, 108.6'-Deliminator Post
453+81.3, 113.5'-1 Post
453+84.7, 108.6'-1 Post

454+28.1, 170.6'-Deciduous 4
454+31.5, 165.7'-Deciduous 6
454+34.9, 170.6'-1 Post
454+38.3, 165.7'-1 Post

454+81.3, 168.8'-Sign-Directional
454+84.7, 163.9'-Deciduous 7
454+88.1, 168.8'-1 Post
454+91.5, 163.9'-1 Post

455+33.1, 185.6'-Deciduous 5
455+36.5, 180.7'-Deliminator Post
455+39.9, 185.6'-1 Post
455+43.3, 180.7'-1 Post

455+62.5, 191.9'-Deciduous 5
455+65.9, 187.0'-Deciduous 5
455+69.3, 191.9'-1 Post
455+72.7, 187.0'-1 Post

456+29.7, 196.6'-Deciduous 5
456+33.1, 191.7'-1 Post
456+36.5, 196.6'-1 Post
456+39.9, 191.7'-1 Post

456+65.5, 189'-18 Plastic-55
456+68.9, 184.1'-1 Post
456+72.3, 179.2'-1 Post
456+75.7, 184.1'-1 Post

458+84.1, 117.6'-6 Plastic
458+87.5, 112.7'-6 Plastic
458+90.9, 117.6'-1 Post
458+94.3, 112.7'-1 Post

459+51.3, 175.9'-1 Post
459+54.7, 171.0'-1 Post
459+58.1, 175.9'-1 Post
459+61.5, 171.0'-1 Post

459+84.1, 171.0'-1 Post
459+87.5, 166.1'-1 Post
459+90.9, 171.0'-1 Post
459+94.3, 166.1'-1 Post

445+37.9, 71.5'-Deliminator Post
445+41.3, 66.6'-1 Post
445+44.7, 71.5'-1 Post
445+48.1, 66.6'-1 Post

445+70.8, 80.9'-Deliminator Post
445+74.2, 76.0'-1 Post
445+77.6, 80.9'-1 Post
445+81.0, 76.0'-1 Post

446+46.2, 89.6'-U.G. Fiber Optic Marker
446+49.6, 84.7'-1 Post
446+53.0, 89.6'-1 Post
446+56.4, 84.7'-1 Post

448+90.7, 74.7'-6 PVC
448+94.1, 69.8'-1 Post
448+97.5, 74.7'-1 Post
449+00.9, 69.8'-1 Post

452+30.3, 10.6'-Deliminator Post
452+33.7, 5.7'-1 Post
452+37.1, 10.6'-1 Post
452+40.5, 5.7'-1 Post

452+68.8, 9.3'-Catch Basins
452+72.2, 4.4'-U.G. Fiber Optic Marker
452+75.6, 9.3'-1 Post
452+79.0, 4.4'-1 Post

452+92.2, 85.8'-6 PVC
452+95.6, 80.9'-1 Post
452+99.0, 85.8'-1 Post
453+02.4, 80.9'-1 Post

453+70.9, 4'-PVC
453+74.3, 3.1'-1 Post
453+77.7, 7.0'-1 Post
453+81.1, 3.1'-1 Post

Sec. 12, T-16-N, R-13-E
Center Township
Wayne County

452+68.8, 9.3'-Catch Basins
452+72.2, 4.4'-U.G. Fiber Optic Marker
452+75.6, 9.3'-1 Post
452+79.0, 4.4'-1 Post

452+92.2, 85.8'-6 PVC
452+95.6, 80.9'-1 Post
452+99.0, 85.8'-1 Post
453+02.4, 80.9'-1 Post

453+70.9, 4'-PVC
453+74.3, 3.1'-1 Post
453+77.7, 7.0'-1 Post
453+81.1, 3.1'-1 Post

458+15.6, 101.9'-U.G. Fiber Optic Marker
458+19.0, 97.0'-1 Post
458+22.4, 101.9'-1 Post
458+25.8, 97.0'-1 Post

459+15.6, 101.9'-U.G. Fiber Optic Marker
459+19.0, 97.0'-1 Post
459+22.4, 101.9'-1 Post
459+25.8, 97.0'-1 Post

459+85.4, 78.8'-45 Rebar CP-420
459+88.8, 73.9'-1 Post
459+92.2, 78.8'-1 Post
459+95.6, 73.9'-1 Post

PARSONS
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- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

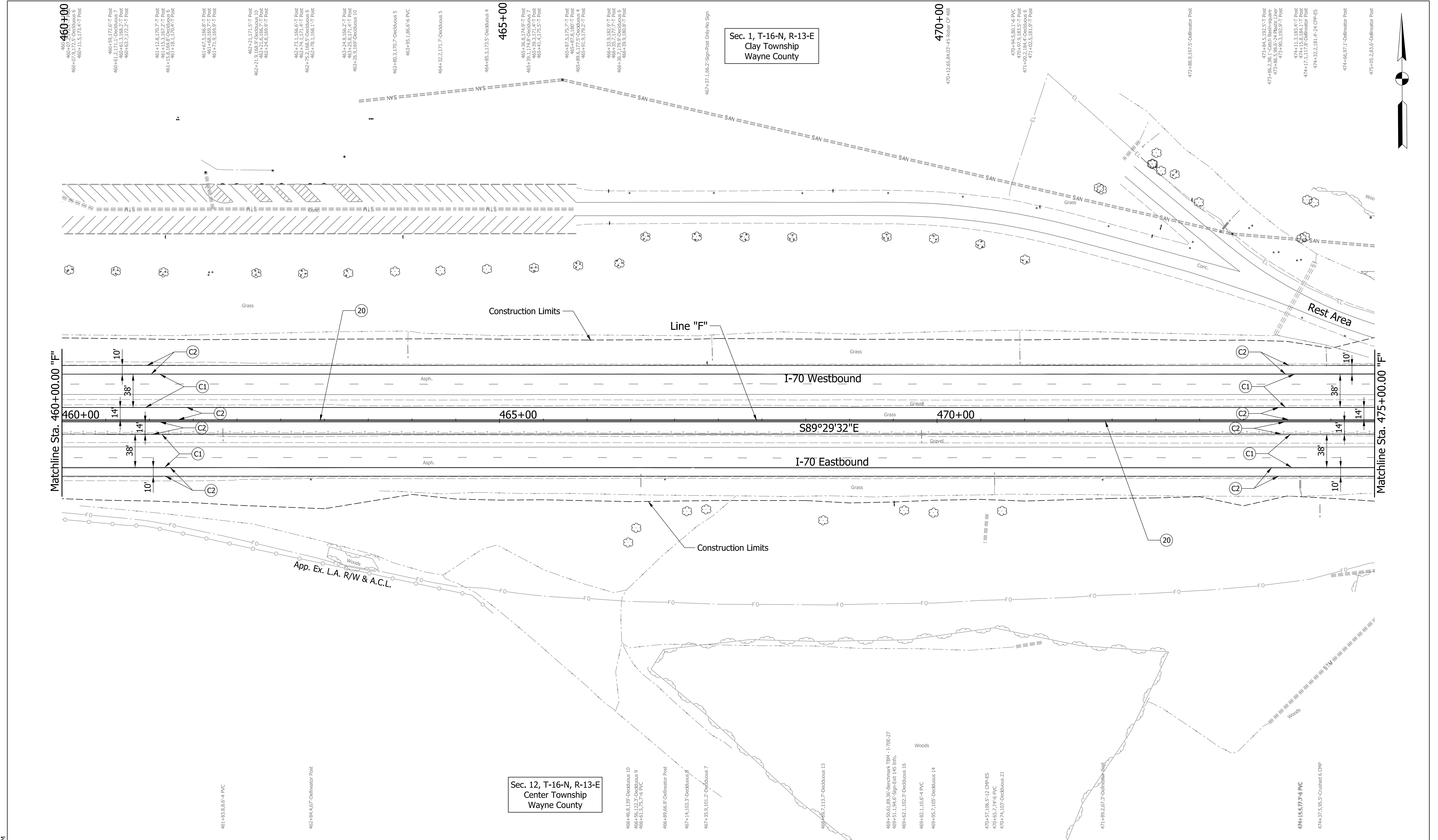
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN SHEET
I-70
STA. 445+00 TO STA. 460+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:01 AM

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_07.dgn



Sec. 1, T-16-N, R-13-E
Clay Township
Wayne County

Sec. 12, T-16-N, R-13-E
Center Township
Wayne County

Plot: 5/23/2023 11:01 AM

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- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
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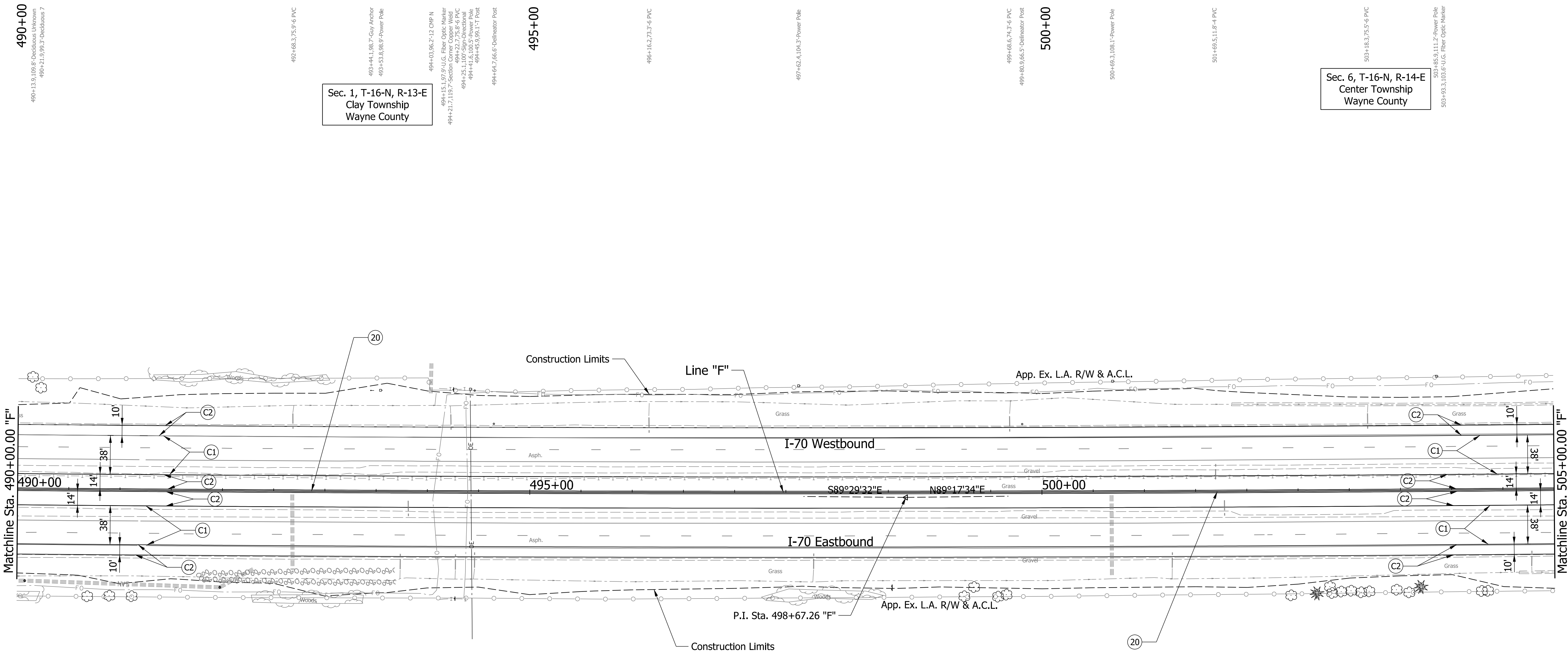
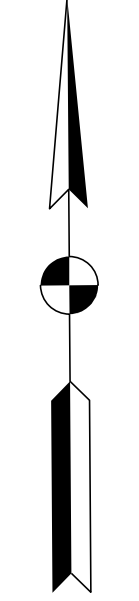
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 460+00 TO STA. 475+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_08.dgn



Sec. 1, T-16-N, R-13-E
Clay Township
Wayne County

Sec. 6, T-16-N, R-14-E
Center Township
Wayne County

Sec. 12, T-16-N, R-13-E
Center Township
Wayne County

Sec. 7, T-16-N, R-14-E
Center Township
Wayne County

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- (C1) CRCP Pavement, TBD
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- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

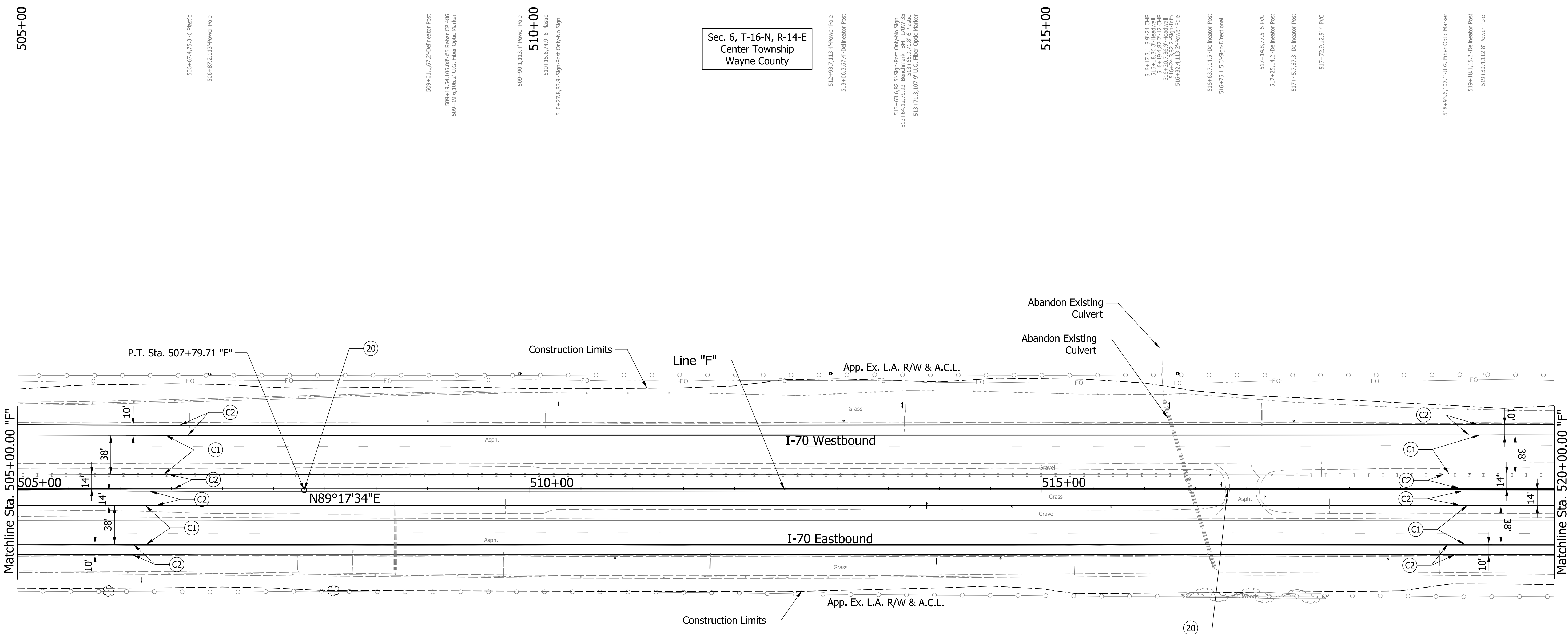
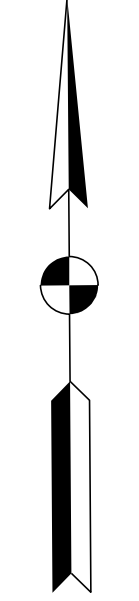
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
I-70
STA. 490+00 TO STA. 505+00**

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:02 AM

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_10.dgn



Sec. 6, T-16-N, R-14-E
Center Township
Wayne County

Sec. 7, T-16-N, R-14-E
Center Township
Wayne County

505+00

515+00

510+00

506+67.4, 7.3'-6" Plastic
506+87.2, 11.3'-Power Pole

509+01.1, 67.2'-Delineator Post
508+18.5, 64.1, 66.5'-45' Plastic, CP, 48'
509+19.6, 106.2'-U.C. Fiber Optic Marker

509+90.1, 113.4'-Power Pole
510+15.6, 7.9'-6" Plastic
510+27.8, 83.9'-Sign-Post Only-No Sign

512+93.7, 113.4'-Power Pole
513+66.3, 67.4'-Delineator Post

513+43.6, 82.5'-Sign-Post Only-No Sign
513+64.2, 79.9'-Sign-Post Only-No Sign
513+65.9, 7.8'-6" Plastic
513+71.3, 107.9'-U.C. Fiber Optic Marker

516+07.1, 17.9'-6" CP
516+18.3, 26.9'-Power Pole
516+19.4, 97.2'-12' CP
516+24.8, 82.2'-Sign-Info
516+32.4, 113.2'-Power Pole

516+63.7, 14.5'-Delineator Post
516+75.1, 5.3'-Sign-Directional

517+14.8, 77.5'-6" PVC
517+25.1, 14.2'-Delineator Post
517+45.7, 67.2'-Delineator Post
517+72.5, 12.5'-4" PVC

518+93.6, 107.1'-U.C. Fiber Optic Marker
519+18.1, 15.2'-Delineator Post
519+30.4, 112.8'-Power Pole

505+88.5, 96.6'-Decision Unknown
506+20.9, 88.5'-Sign-Exit 145 Info.

507+73.7, 8.4'-6" CP
508+98.9, 98'-Decision 20 Cluster
508+27.1, 73.7'-6" Plastic

508+68.1, 2.7'-Catch Basin-square
508+68.3, 78.1'-12' RCP

509+74.3, 25.3'-4" PVC
509+76.4, 8.6'-4" PVC

510+63.2, 66.2'-Delineator Post

511+73.7, 73.8, 84'-Benchmark, TBM - 17/06-30
511+75.8, 76.7'-6" PVC

513+71.1, 16.5'-Delineator Post
513+87.4, 15.2'-Sign-Temp. Construction
513+97.8, 7.7'-Sign-Temp. Construction

514+59.5, 66.8'-Delineator Post
514+71.1, 16.4'-Delineator Post

515+67.8, 16.9'-Delineator Post

516+32.8, 2'-Drop Inlet 2.5x10
516+67.5, 35.3'-6" PVC
516+68.4, 70.3'-CP

517+17.6, 6.8'-Sign-Directional

517+88.8, 8.7'-4" PVC

518+37.7, 68'-Delineator Post

518+87.7, 74.4'-6" PVC

Plot: 5/23/2023 11:02 AM

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- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 505+00 TO STA. 520+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_11.dgn

Plot: 5/23/2023 11:02 AM

PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

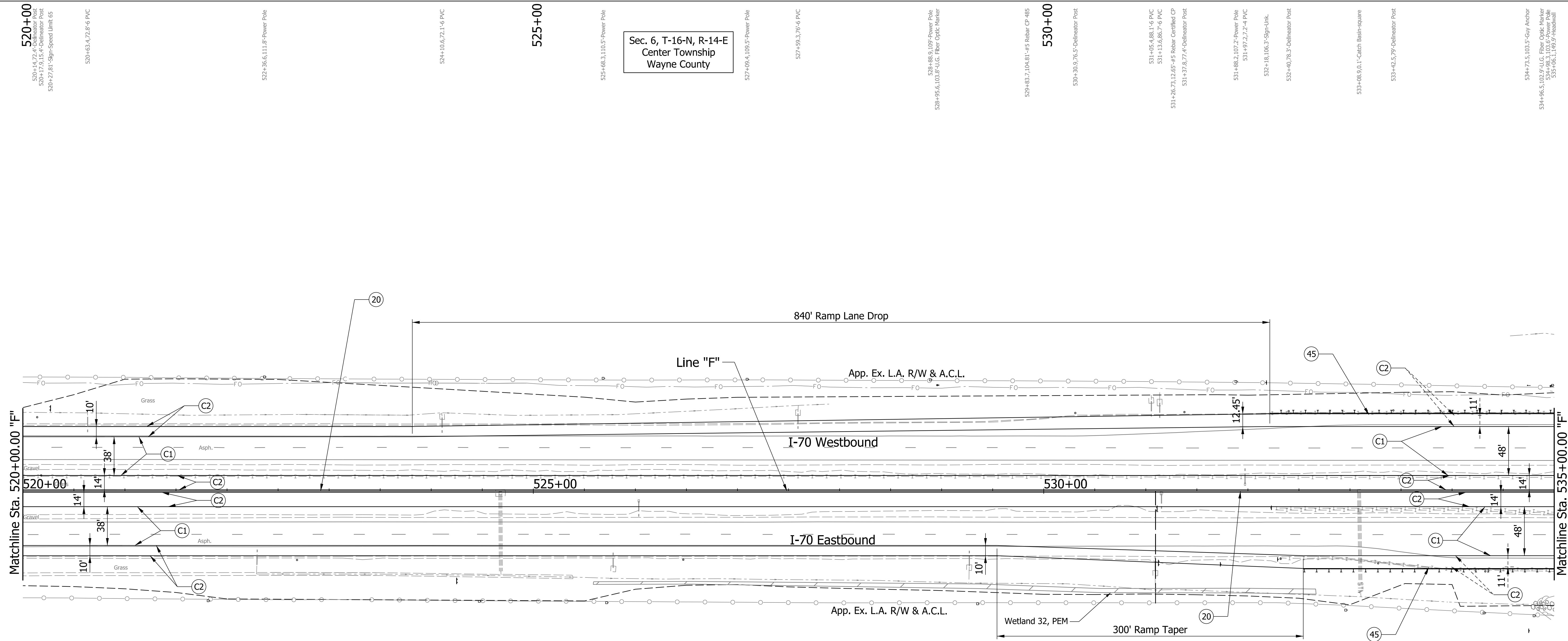
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 520+00 TO STA. 535+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_12.dgn



Sec. 6, T-16-N, R-14-E
 Center Township
 Wayne County

Sec. 7, T-16-N, R-14-E
 Center Township
 Wayne County

- | | | | | | | | | | | | | | | | |
|--|------------------------|--------------------------------|------------------------|--------------------------------|---------------------------------|----------------------|--|-----------------------------------|------------------------------------|---|---|-----------------------------|----------------------------------|--|--|
| 520+14.72, 4'-6" Delineator Post
520+17.9, 15'-4" Delineator Post
520+27.81, Sign-Speed Limit 65 | 520+63.4, 72.8'-6" PVC | 522+36.6, 111.8'-8" Power Pole | 524+10.6, 72.1'-6" PVC | 525+68.3, 110.5'-8" Power Pole | 527+109.4, 109.5'-8" Power Pole | 527+99.3, 79'-6" PVC | 528+88.9, 109'-8" Power Pole
528+95.6, 103.8'-10" G.C. Fiber Optic Marker | 529+43.7, 104.81'-4" Rebar CP-485 | 530+30.9, 76.5'-8" Delineator Post | 531+45.4, 88.1'-6" PVC
531+13.6, 88.7'-6" PVC
531+26.73, 12.65'-4" Rebar Certified CP
531+32.8, 77.4'-8" Delineator Post | 531+88.2, 107.2'-8" Power Pole
531+97.2, 7.2'-4" PVC | 532+18, 106.3'-8" Sign-Link | 532+40, 78.3'-8" Delineator Post | 532+48.9, 0.1'-8" Catch Basin-square
533+42.5, 79'-8" Delineator Post | 534+73.5, 103.5'-8" Guy Anchor
534+96.5, 102.9'-10" G.C. Fiber Optic Marker
534+98.3, 116.9'-8" Power Pole
535+66.1, 149.9'-8" Headwall |
|--|------------------------|--------------------------------|------------------------|--------------------------------|---------------------------------|----------------------|--|-----------------------------------|------------------------------------|---|---|-----------------------------|----------------------------------|--|--|

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|-----------------------------------|--------------------------------|------------------------|------------------------------------|--|------------------------------|---|--|----------------------|------------------------------------|--|--------------------------------|---|--|---|
| 520+25.95, 75.89'-4" Rebar CP-423 | 521+61.5, 107.4'-8" Power Pole | 522+29.2, 72.3'-6" PVC | 522+68.5, 67.5'-8" Delineator Post | 524+25.1, 88.9'-8" Sign-Exit 145 Info.
524+25.53, 84.29'-8" Benchmark TBM - 1'-70E-31 | 524+47.1, 108'-8" Power Pole | 524+67.2, 3.1'-12" RCP S
524+68.3, 76.5'-12" RCP | 525+71.8, 158'-4" Power Pole
525+78.2, 25.3'-6" PVC | 526+63.3, 10'-4" PVC | 526+46.9, 67.2'-8" Delineator Post | 529+27.1, 73.4'-6" PVC
529+35.2, 110.4'-8" Power Pole | 532+45.8, 116.6'-8" Power Pole | 533+10.0, 89.9'-12" CIP
533+27.6, 70.7'-8" Delineator Post | 534+32.5, 76.7'-8" Delineator Post
534+43.1, 3.119'-4" Power Pole | 534+75.2, 138.8'-8" Commercial Sign Post Billboard
534+66.5, 12.2'-8" Power Pole |
|-----------------------------------|--------------------------------|------------------------|------------------------------------|--|------------------------------|---|--|----------------------|------------------------------------|--|--------------------------------|---|--|---|

Plot: 5/23/2023 11:02 AM

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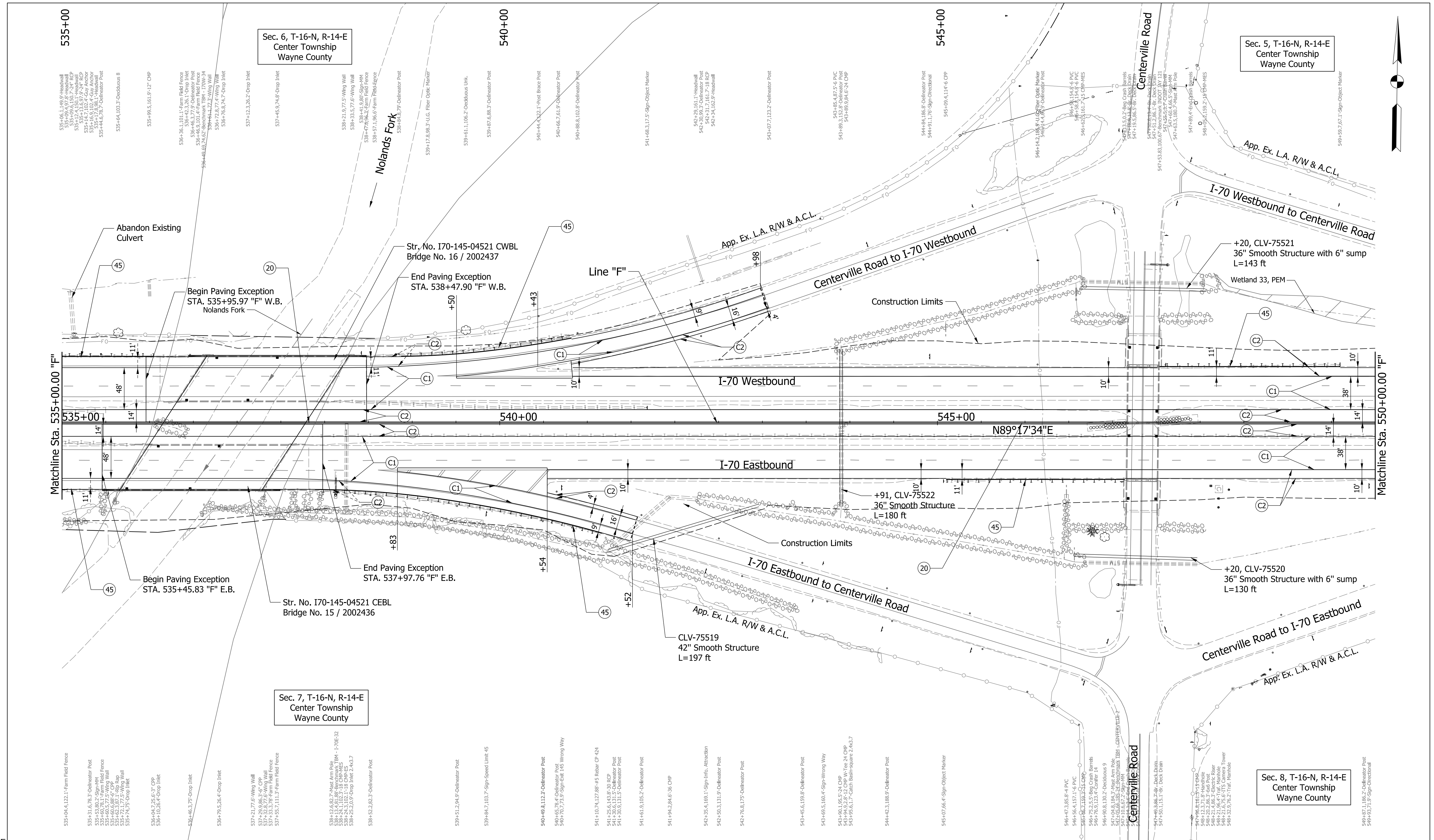
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|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 535+00 TO STA. 550+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pwr://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_13.dgn



Plot: 5/23/2023 11:03 AM

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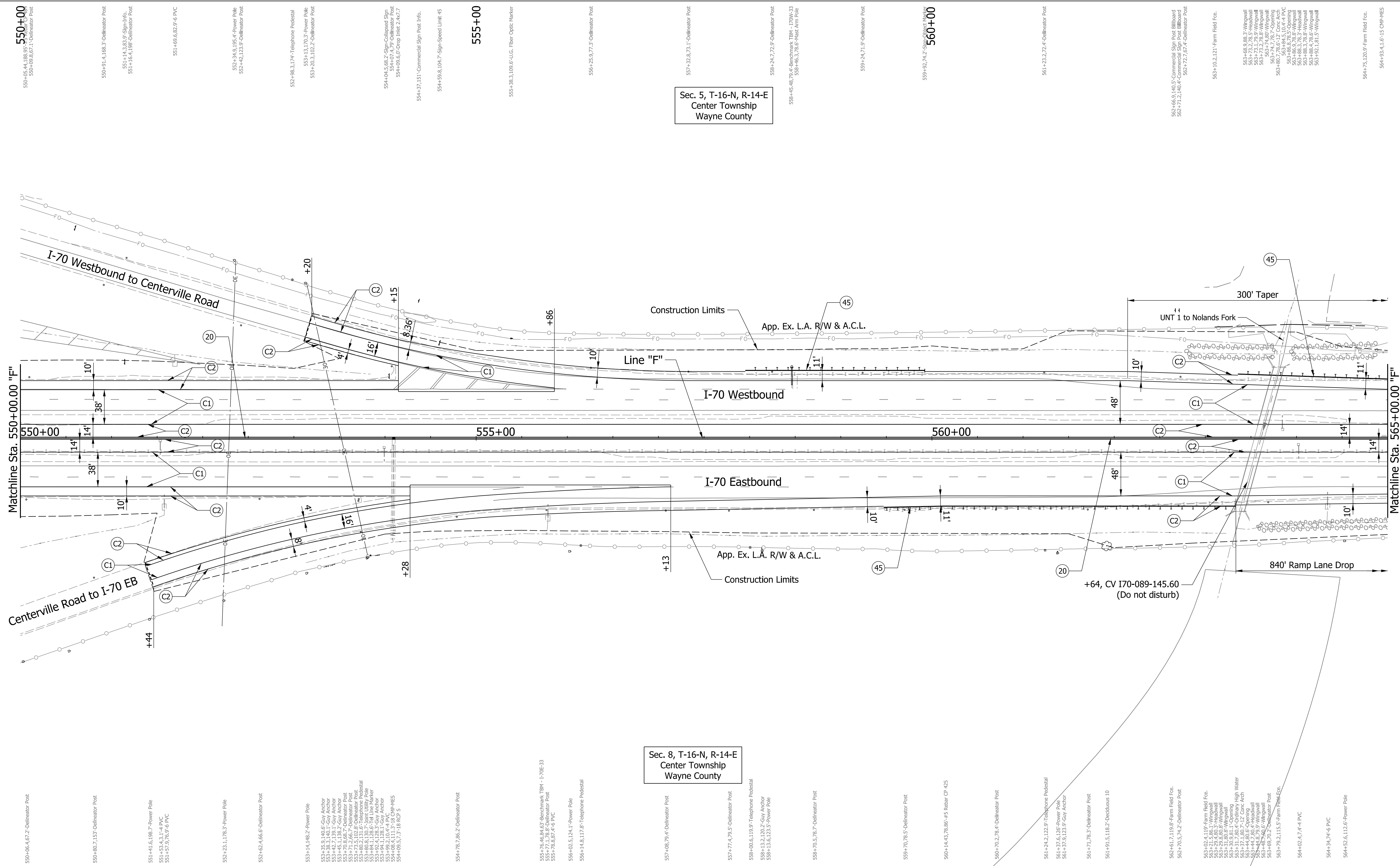
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|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 550+00 TO STA. 565+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

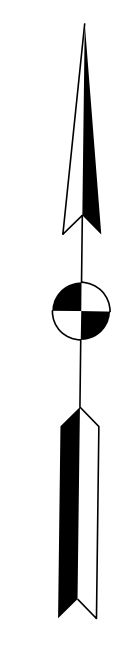
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Sec. 8, T-16-N, R-14-E
 Center Township
 Wayne County

Sec. 5, T-16-N, R-14-E
 Center Township
 Wayne County





565+00

566+69.2, 67.6' Deflector Post
 567+01.4, 118.2' - Obstructions 11
 567+12.5, 117.5' - Obstructions 20
 567+45.4, 66.3' - Sign-Object Marker

568+18.1, 116' - Obstructions 10

568+75.1, 115.5' - Obstructions 14
 568+85.3, 74.8' - 6' PVC

569+28.1, 112.6' - Obstructions 9

570+00

570+10.4, 78.53' - 45 Rubber CP - 483

571+21.2, 112' - Obstructions 23
 571+47.5, 106.9' - U.G. Fiber Optic Marker

572+11.9, 92.4' - PVC
 572+12.7, 74.5' - 6' PVC

Sec. 5, T-16-N, R-14-E
 Center Township
 Wayne County

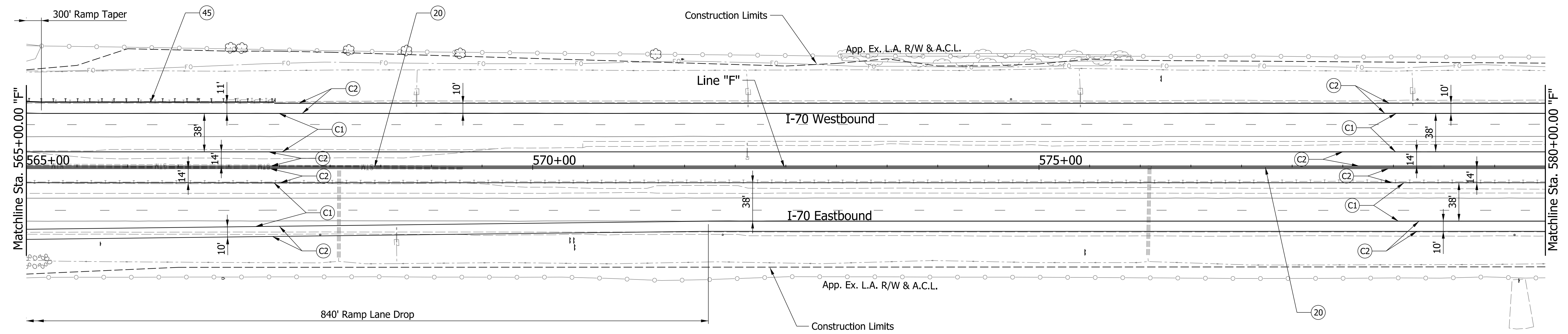
574+72.3, 67.3' - Deflector Post

575+00

575+40.8, 74.4' - 6' PVC

576+20.8, 87.7' - Sign-Obj. 145 Info.

578+69.1, 75.6' - PVC
 578+72.8, 67.1' - Deflector Post



Sec. 8, T-16-N, R-14-E
 Center Township
 Wayne County

Plot: 5/23/2023 11:03 AM

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 Indianapolis, IN 46204
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- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

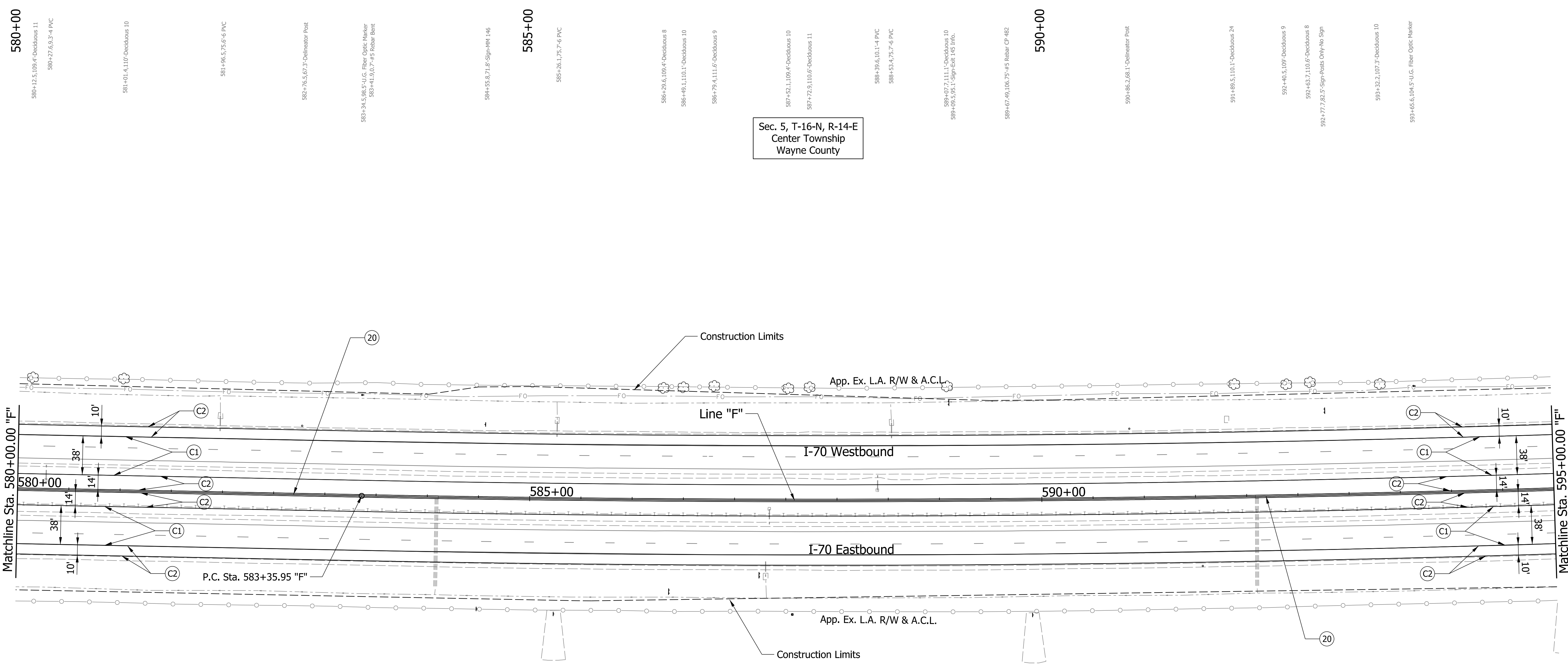
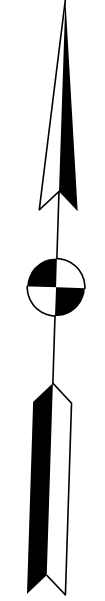
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN SHEET
 I-70
 STA. 565+00 TO STA. 580+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_15.dgn



581+01.4,110'-Deciduous 10

581+96.5,75.6'-6 PVC

582+76.5,67.2'-Delineator Post

583+34.5,98.5'-U.G. Fiber Optic Marker
 583+41.9,0.7'-#5 Rebar Bent

584+55.8,71.8'-Sign-M1 146

585+00
 584+26.1,75.7'-6 PVC

586+29.6,109.4'-Deciduous 8
 586+49.1,110.1'-Deciduous 10

586+79.4,111.6'-Deciduous 9

587+52.1,109.4'-Deciduous 10
 587+72.9,110.6'-Deciduous 11

588+39.6,101.4'-4 PVC
 588+53.4,75.7'-6 PVC

589+07.7,111.1'-Deciduous 10
 589+09.5,95.1'-Sign-Exit 145 Info.

589+67.49,106.75'-#5 Rebar CP 482

590+00
 590+86.2,68.1'-Delineator Post

591+85.5,110.1'-Deciduous 24

592+40.5,109'-Deciduous 9

592+43.7,110.6'-Deciduous 8
 592+77.7,81.5'-Sign-Posts Only-No Sign

593+32.2,107.3'-Deciduous 10

593+65.6,104.5'-U.G. Fiber Optic Marker

Sec. 5, T-16-N, R-14-E
 Center Township
 Wayne County

Sec. 8, T-16-N, R-14-E
 Center Township
 Wayne County

580+18.9,672.88'-#5 Rebar CP 426

584+09.1,89.5'-12 CWP-MES
 584+09.1,0'-Catch Basin-square 3x3

584+49.5,108.5'-Sign-M1 146

585+24.4,112.4'-Commercial Sign Post Billboard

586+36.3,89.5'-Sign-Info.

587+24.7,110.1'-Electric Meter
 587+30.5,74.6'-6 PVC
 587+34.1,8.4'-4 PVC

587+56.5,111.3'-Electric Meter

589+90.1,112.7'-Commercial Sign Post Billboard

591+55.1,66.9'-Delineator Post

592+08.6,89.4'-12 CWP-MES
 592+10.2,0.0'-Catch Basin-square 3x3

Plot: 5/23/2023 11:03 AM

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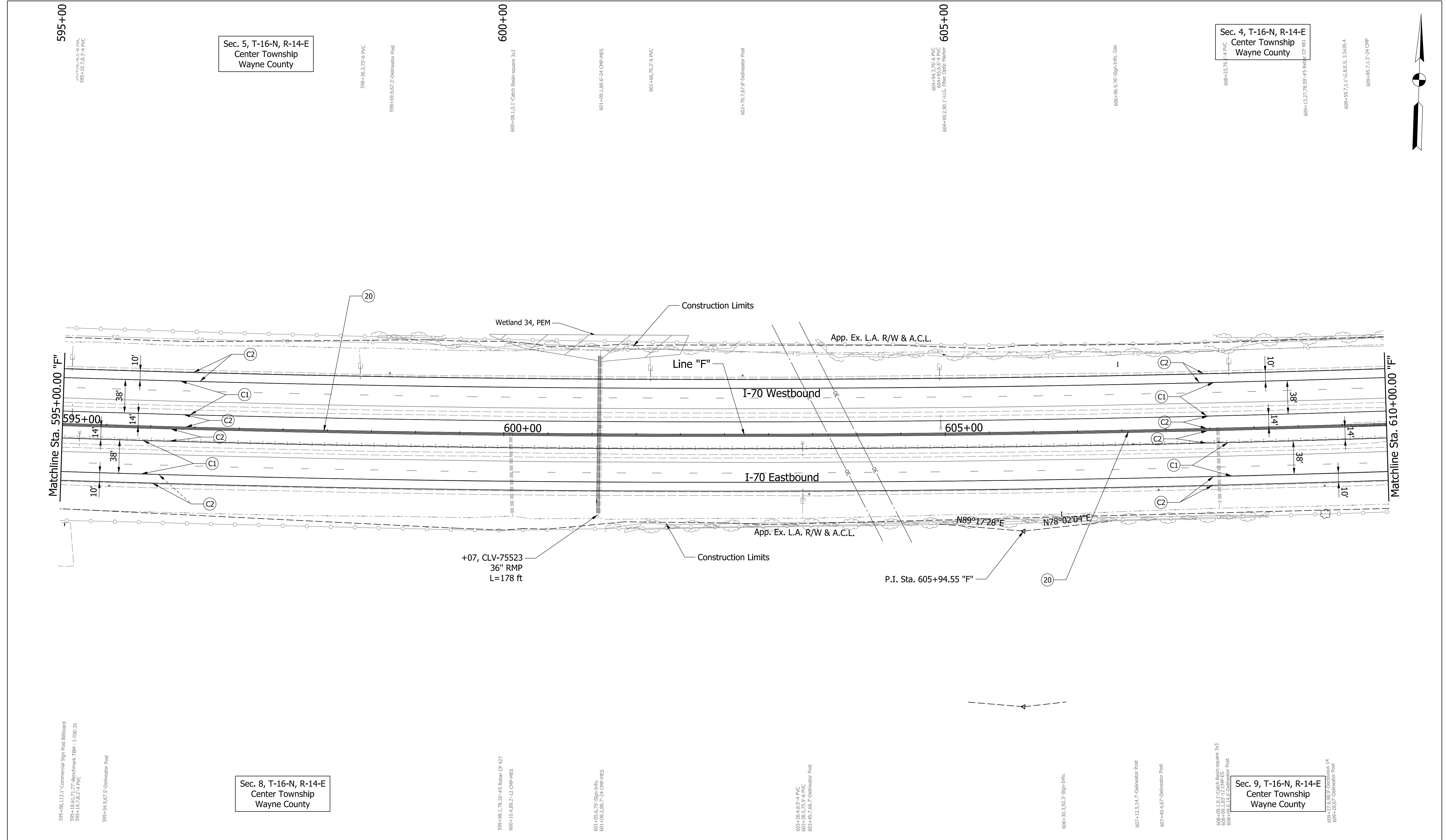
- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 580+00 TO STA. 595+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_16.dgn



PARSONS 101 W. Ohio St., Suite 2121 Indianapolis, IN 46204 Bus (317) 616-1000	(C1) CRCP Pavement, TBD (C2) PCCP Pavement, TBD (N) Compacted Aggregate, No. 53 (U) 6" Underdrain	(20) Concrete Median Barrier (21) Concrete Railing Type FT and Moment Slab (22) Concrete Median Barrier, Modified (26) See Mixture, R	(45) Guardrail, MGS, 6'-3" Spacing (46) Guardrail, End Treatment, OS	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION PLAN SHEET I-70 STA. 595+00 TO STA. 610+00	SCALE 1" = 50'	BRIDGE FILE _____	
						DESIGNED: <u> </u> CAP DRAWN: <u> </u> DH CHECKED: <u> </u> JTL CHECKED: <u> </u> CAP	SURVEY BOOK _____	SHEETS of _____
						CONTRACT R-43375	PROJECT 2002424	
						N/A	DESIGNATION 2002424	

Plot: 5/23/2023 11:04 AM
 pwr://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_17.dgn

Plot: 5/23/2023 11:04 AM

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 Indianapolis, IN 46204
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|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
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| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 610+00 TO STA. 625+00

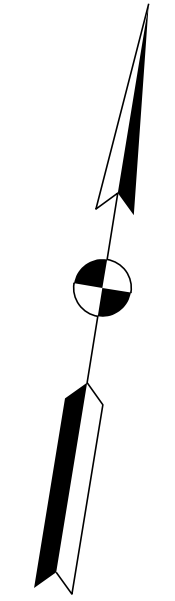
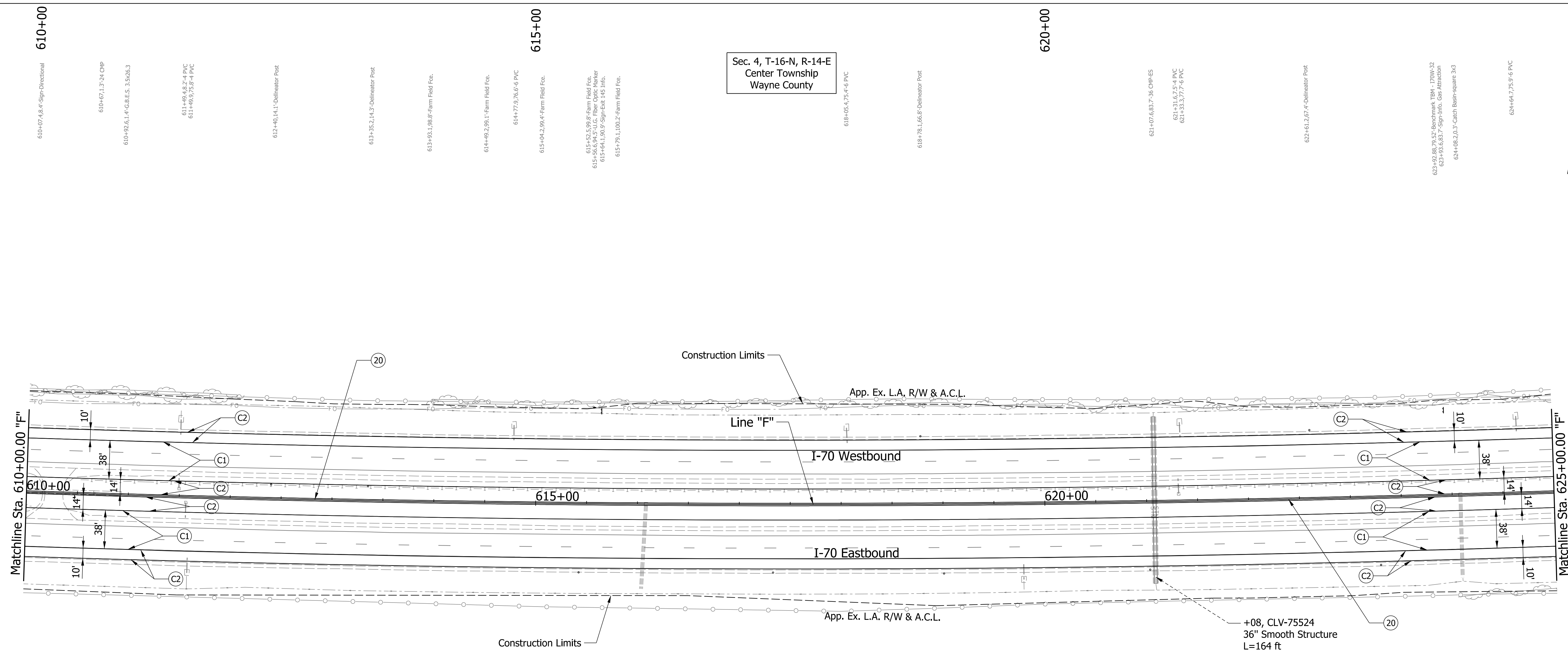
SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

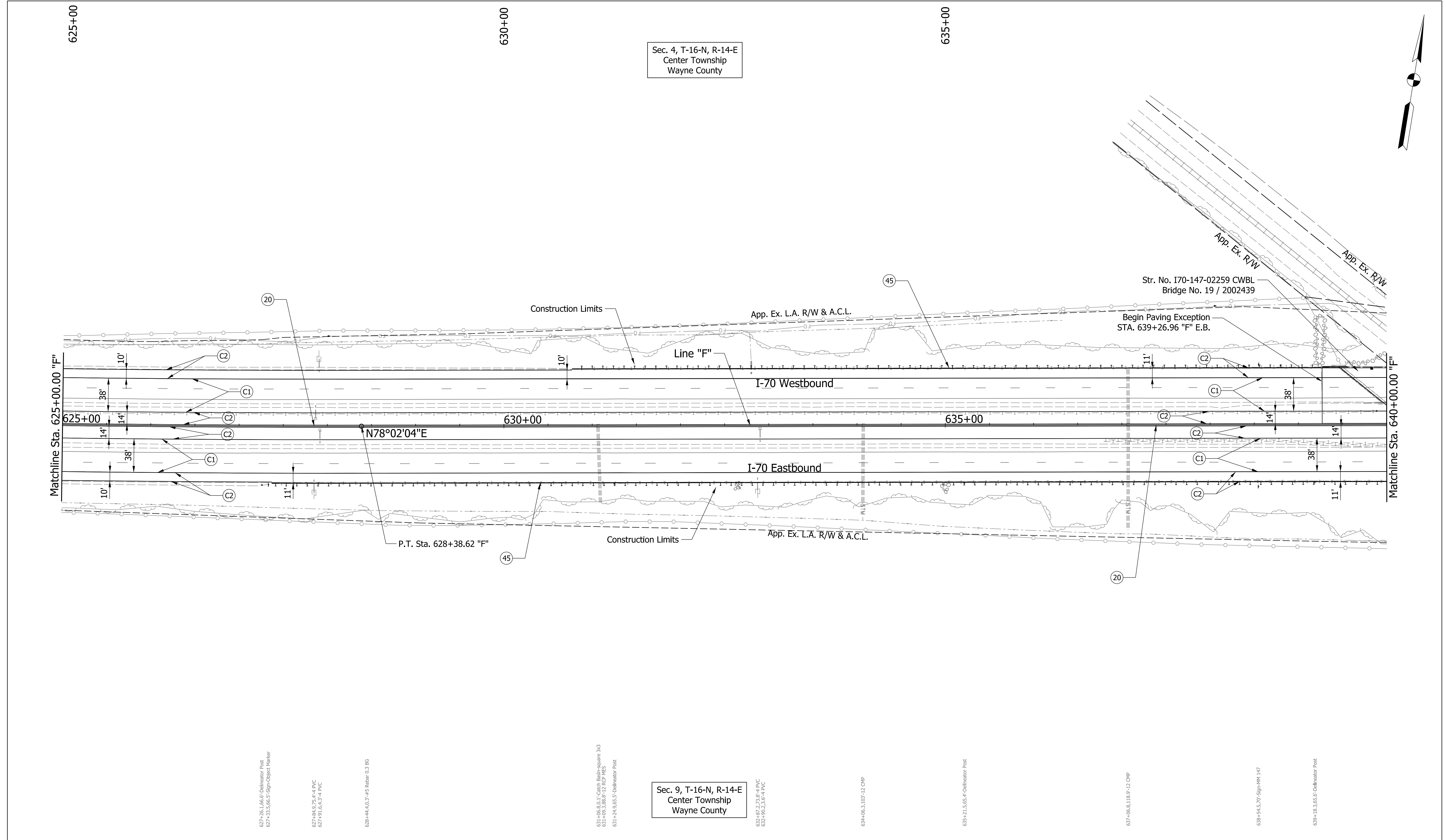
610+47.3, 3.3' Sign-Directional
 610+47.1, 3.24' CMP
 610+92.6, 1.4' G.B.E.S. 3.5026.3
 611+56.5, 5.774' PVC
 611+59.3, 79.8' PVC
 611+61.8, 71.522' Benchmark TBM - 170E-56

615+42.8, 67.5' Delineator Post
 615+43.5, 5.09' Farm Field Fee
 615+56.5, 94.5' O.C. Fiber Optic Marker
 615+64.1, 100.9' Sign-Exit 145 Info.
 615+79.1, 100.2' Farm Field Fee
 617+33.1, 66.2' Delineator Post
 619+78.7, 74.8' PVC
 620+48.7, 96.28' #5 Rebar CP 428
 621+02.5, 66.7' Delineator Post
 621+07.8, 80.4' 38' CRP-ES
 623+28.5, 66.6' Delineator Post
 624+08.1, 80.93' G.B.E.S.

Sec. 4, T-16-N, R-14-E
 Center Township
 Wayne County

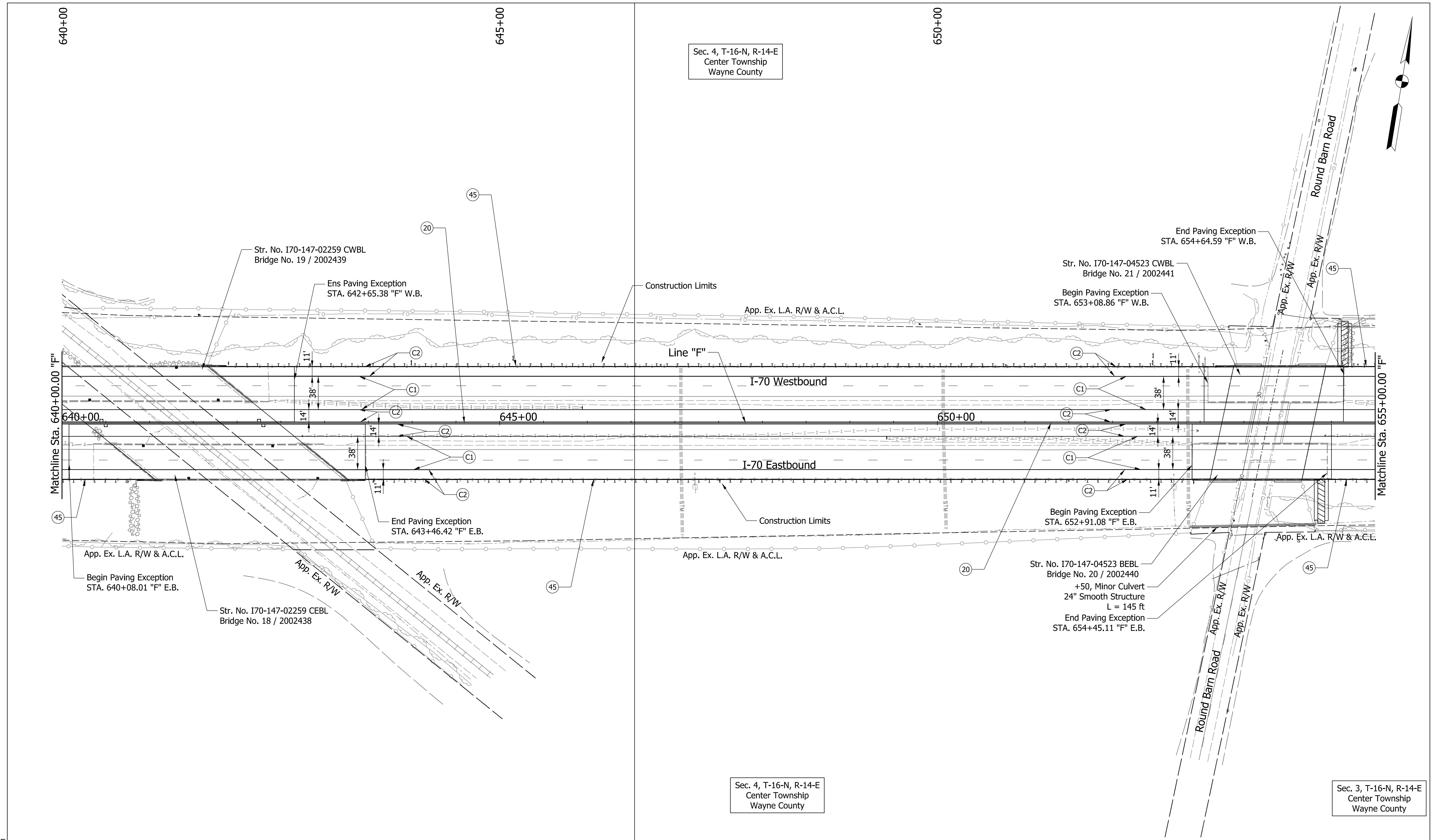
Sec. 9, T-16-N, R-14-E
 Center Township
 Wayne County





PARSONS 101 W. Ohio St., Suite 2121 Indianapolis, IN 46204 Bus (317) 616-1000	(C1) CRCP Pavement, TBD	(20) Concrete Median Barrier	(45) Guardrail, MGS, 6'-3" Spacing	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: CAP DRAWN: DH CHECKED: JTL CHECKED: CAP	INDIANA DEPARTMENT OF TRANSPORTATION PLAN SHEET I-70 STA. 625+00 TO STA. 640+00	SCALE 1" = 50'	BRIDGE FILE
	(C2) PCCP Pavement, TBD	(21) Concrete Railing Type FT and Moment Slab	(46) Guardrail, End Treatment, OS			N/A	DESIGNATION 2002424
	(N) Compacted Aggregate, No. 53	(22) Concrete Median Barrier, Modified				SURVEY BOOK	SHEETS of
	(U) 6" Underdrain	(26) See Mixture, R				CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_19.dgn



Sec. 4, T-16-N, R-14-E
Center Township
Wayne County

Sec. 4, T-16-N, R-14-E
Center Township
Wayne County

Sec. 3, T-16-N, R-14-E
Center Township
Wayne County

Plot: 5/23/2023 11:04 AM

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
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- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
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| (U) 6" Underdrain | (26) See Mixture, R | |

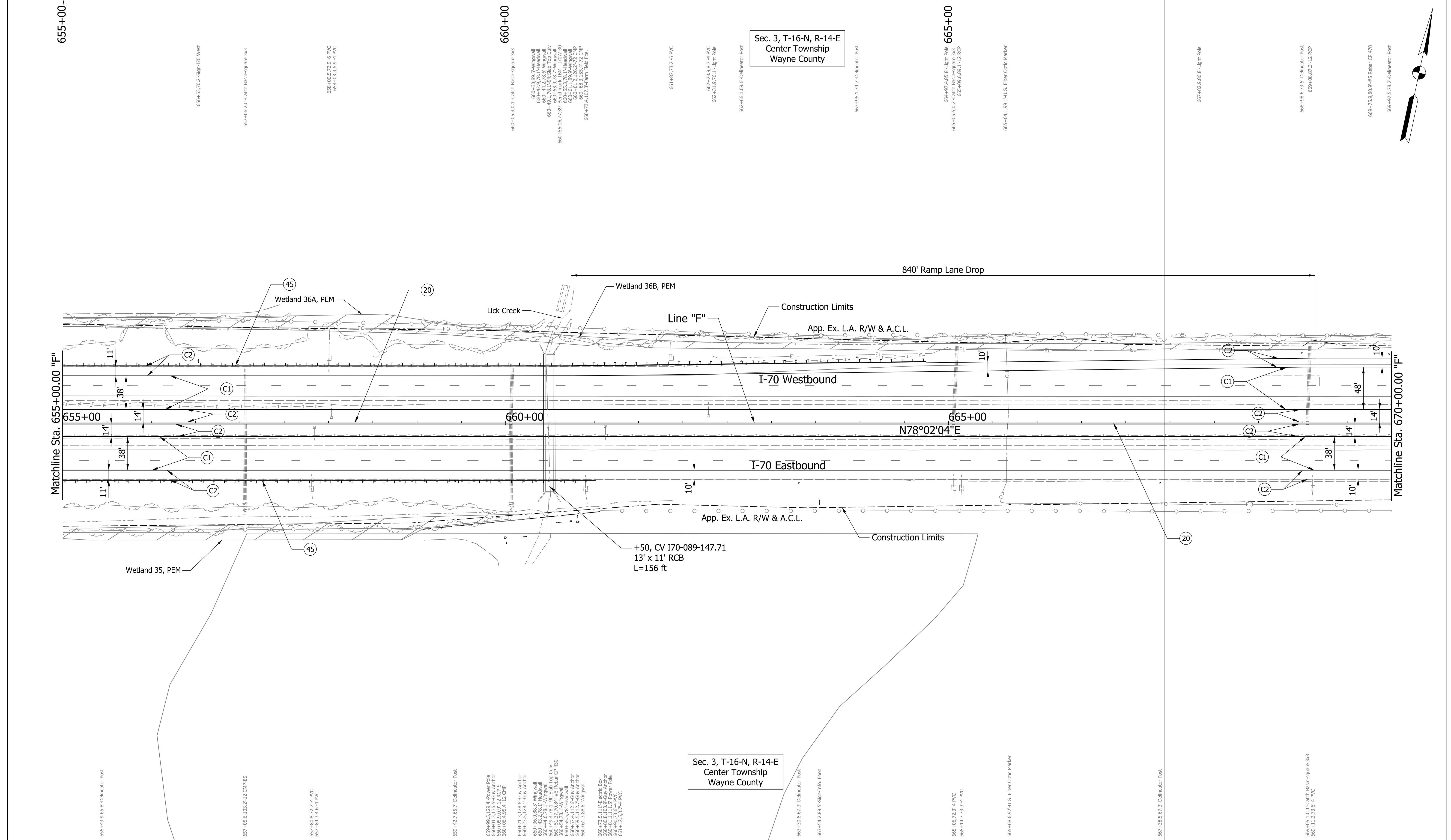
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 640+00 TO STA. 655+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pw://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_20.dgn



Sec. 3, T-16-N, R-14-E
Center Township
Wayne County

Sec. 3, T-16-N, R-14-E
Center Township
Wayne County

Plot: 5/23/2023 11:05 AM

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
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- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

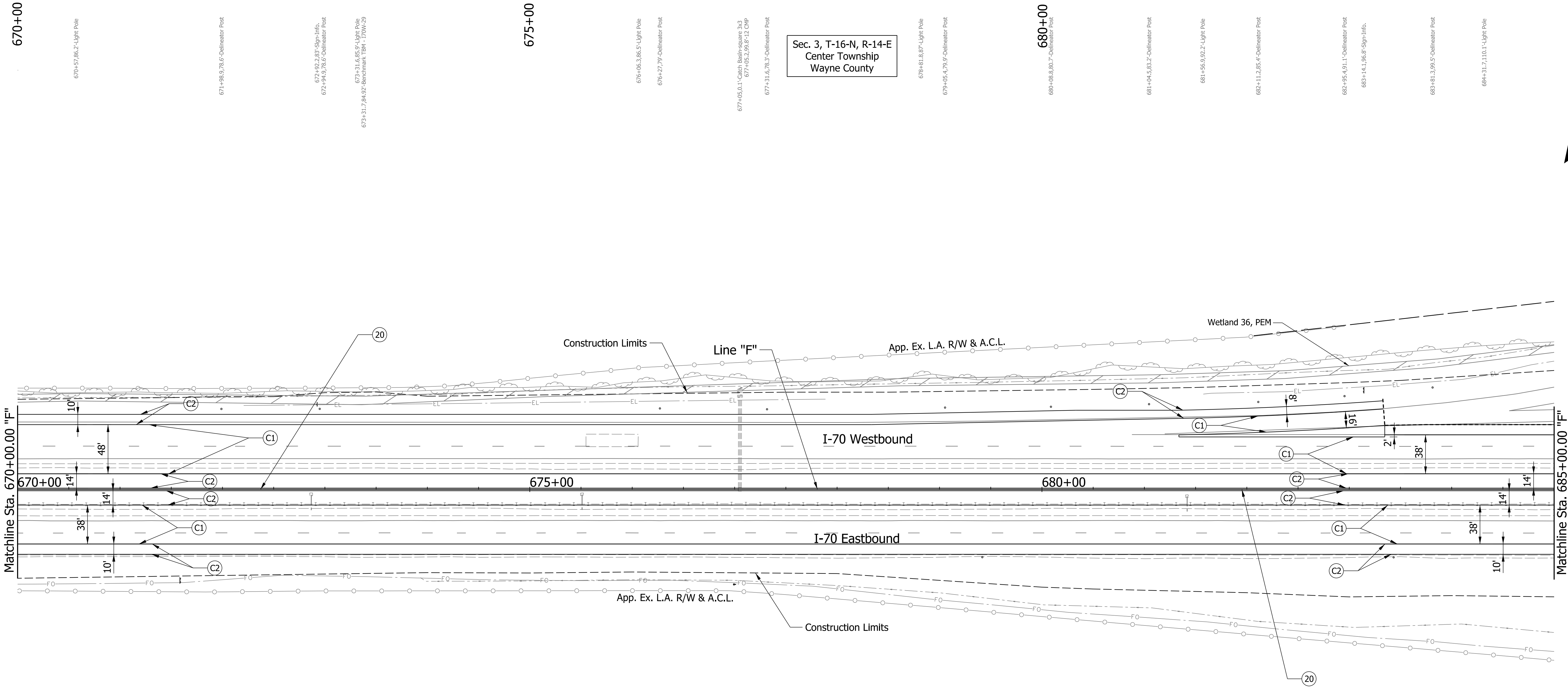
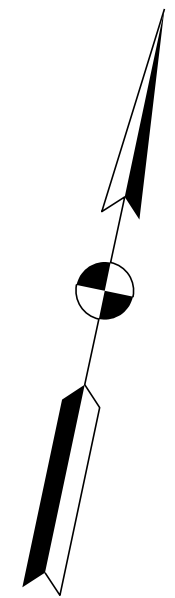
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 655+00 TO STA. 670+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_21.dgn



670+00

675+00

680+00

Sec. 3, T-16-N, R-14-E
Center Township
Wayne County

Sec. 3, T-16-N, R-14-E
Center Township
Wayne County

Plot: 5/23/2023 11:05 AM

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Indianapolis, IN 46204
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(C1)
(C2)
(N)
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(20)
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(46)

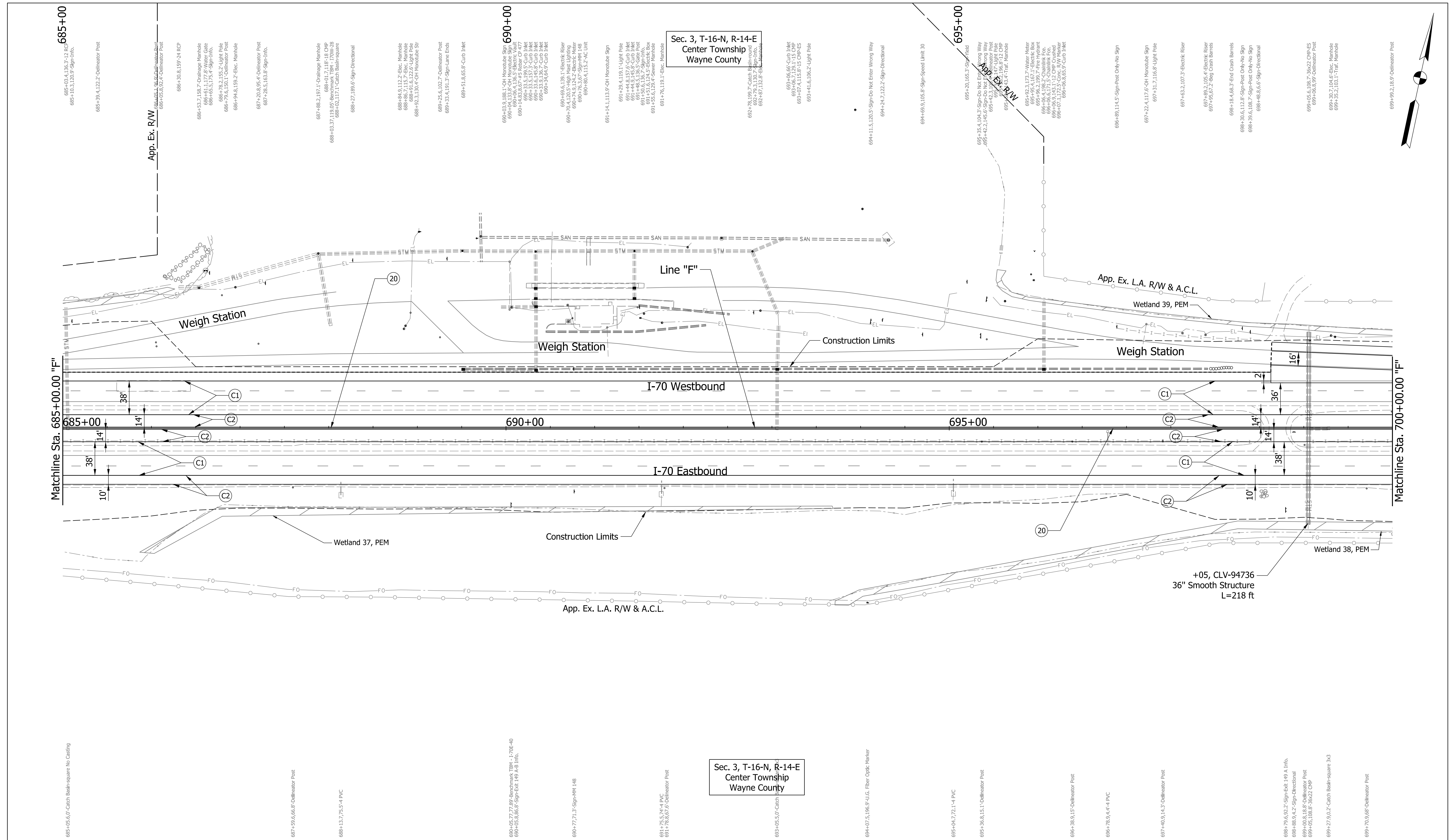
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 670+00 TO STA. 685+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

p:\NANVA01\PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_22.dgn



Plot: 5/23/2023 11:05 AM

PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

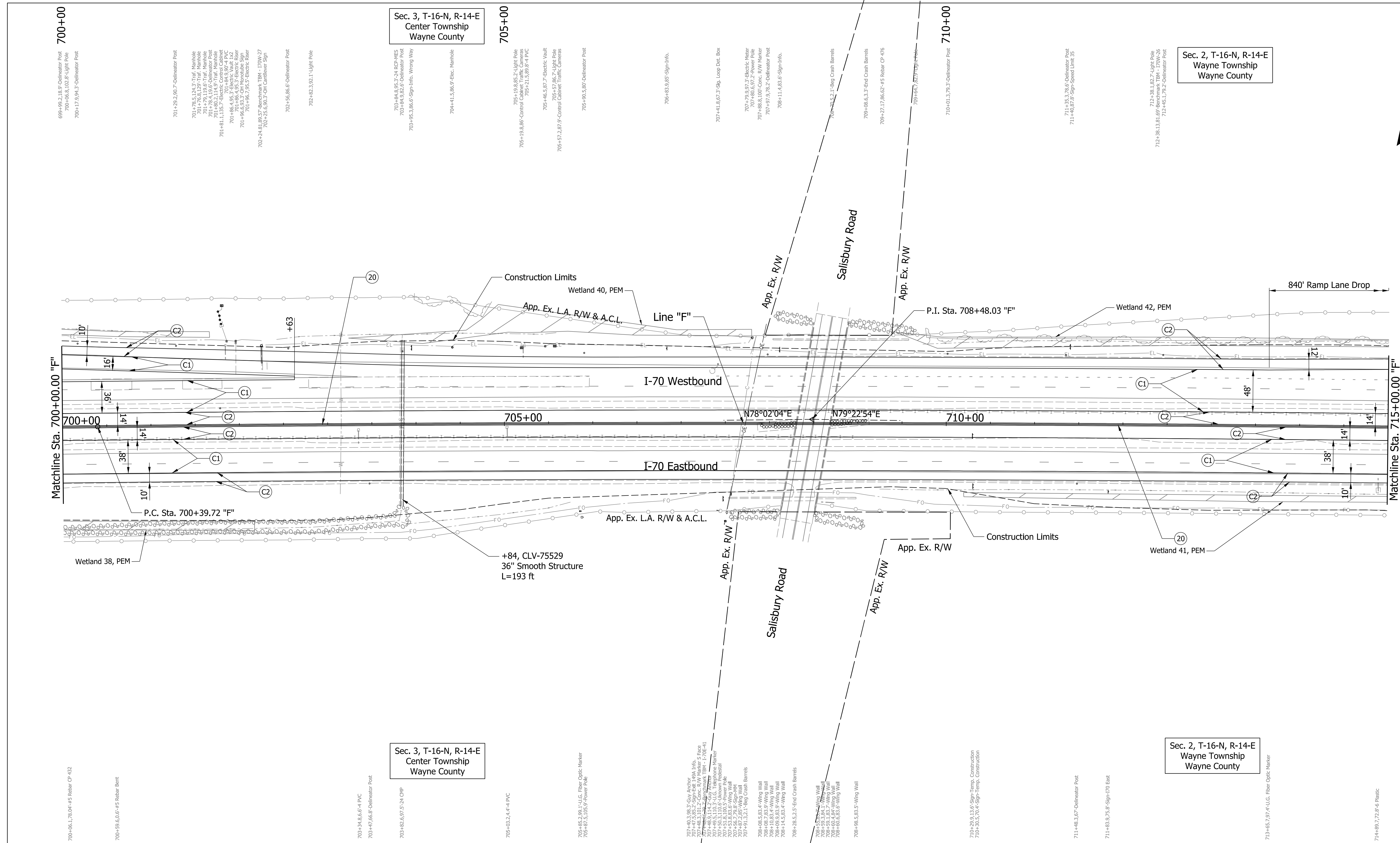
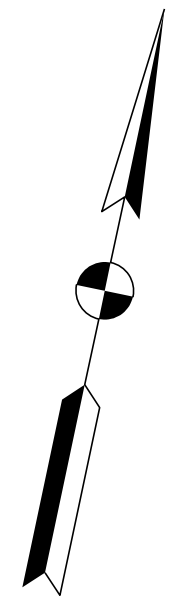
Sec. 3, T-16-N, R-14-E
 Center Township
 Wayne County

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 685+00 TO STA. 700+00

SCALE	BRIDGE FILE
1" = 50'	
N/A	DESIGNATION
	2002424
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT
R-43375	2002424

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Indianapolis, IN 46204
Bus (317) 616-1000

① CRCP Pavement, TBD	②① Concrete Median Barrier	④⑤ Guardrail, MGS, 6'-3" Spacing
② PCCP Pavement, TBD	②② Concrete Railing Type FT and Moment Slab	④⑥ Guardrail, End Treatment, OS
③ Compacted Aggregate, No. 53	②③ Concrete Median Barrier, Modified	
④ 6" Underdrain	②④ See Mixture, R	

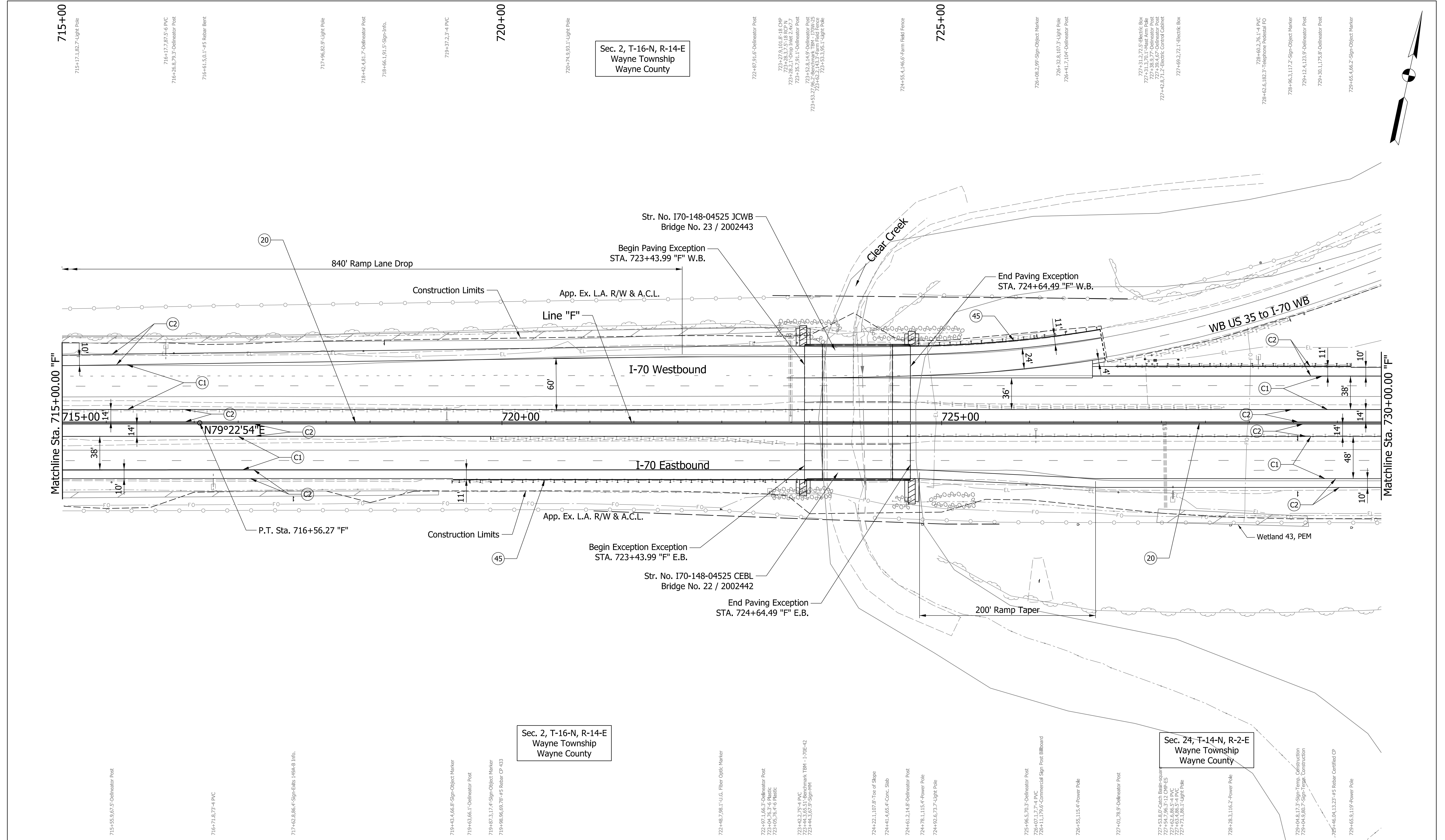
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 700+00 TO STA. 715+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

700+00	705+00	710+00	715+00
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Sec. 2, T-16-N, R-14-E
Wayne Township
Wayne County

Sec. 2, T-16-N, R-14-E
Wayne Township
Wayne County

Sec. 24, T-14-N, R-2-E
Wayne Township
Wayne County

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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

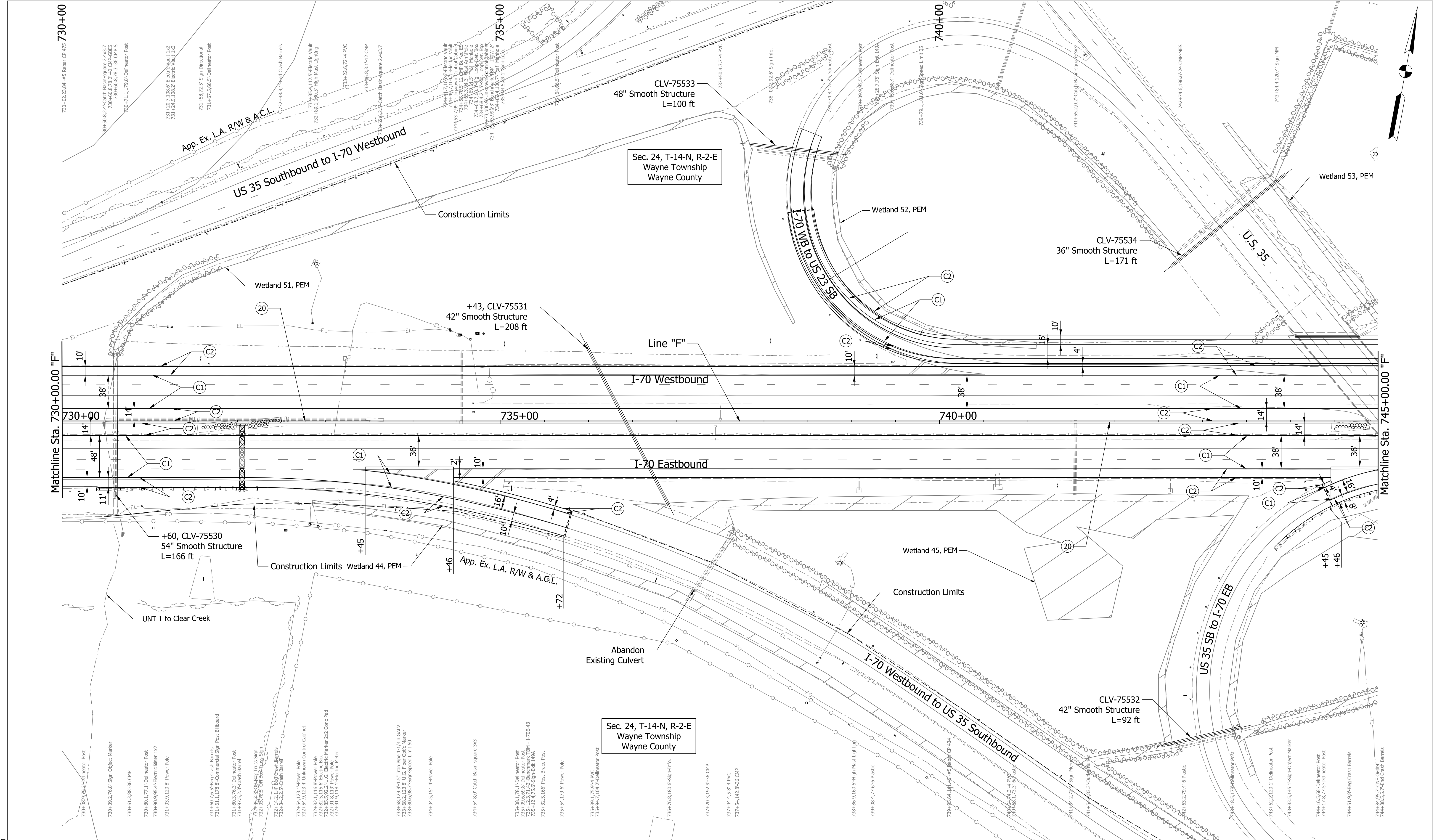
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 715+00 TO STA. 730+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:06 AM

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Plot: 5/23/2023 11:06 AM

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 Indianapolis, IN 46204
 Bus (317) 616-1000

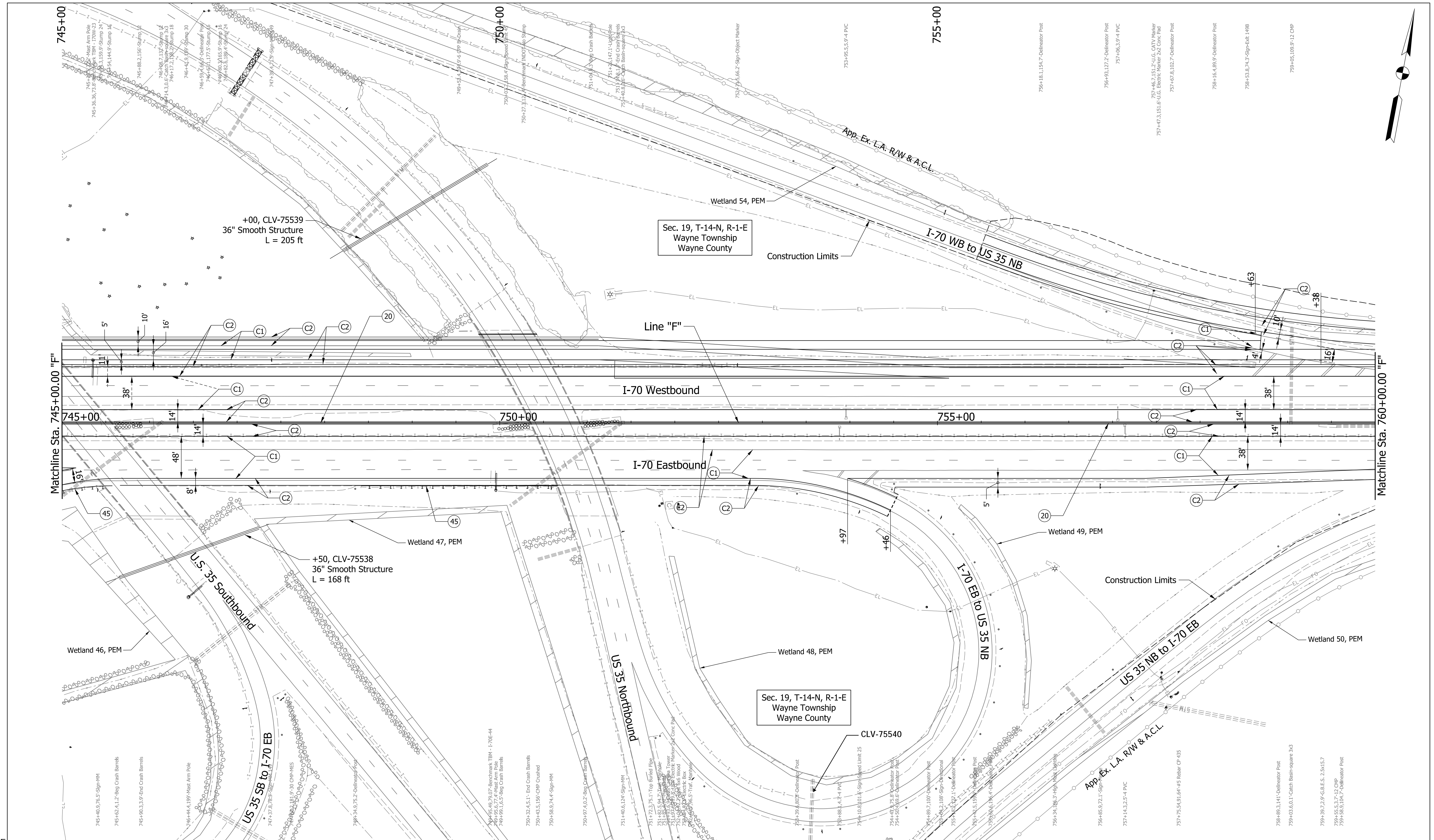
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| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 730+00 TO STA. 745+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

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Plot: 5/23/2023 11:07 AM

PARSONS
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 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN SHEET
 I-70
 STA. 745+00 TO STA. 760+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

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Plot: 5/23/2023 11:07 AM

PARSONS

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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

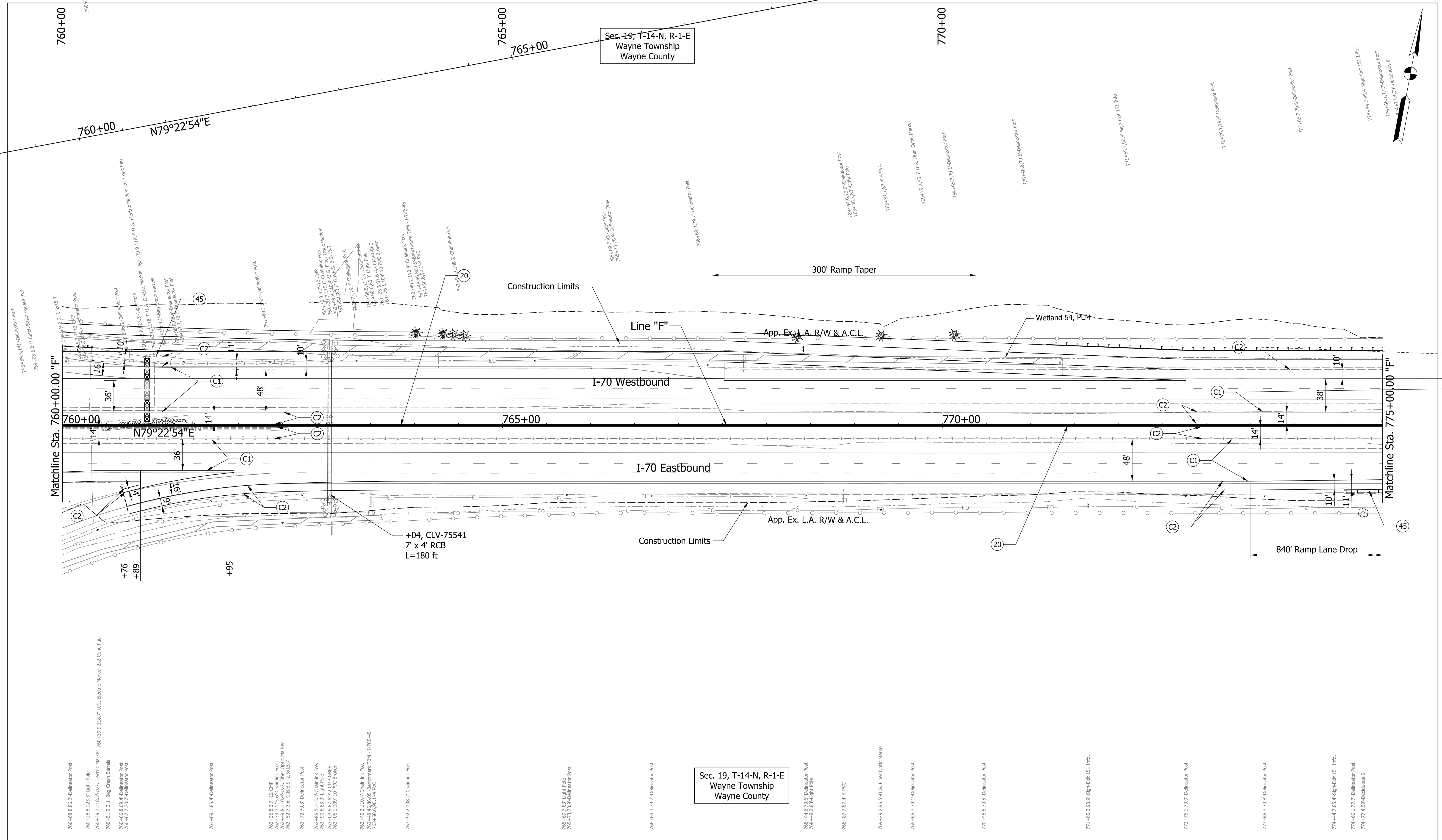
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
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INDIANA
DEPARTMENT OF TRANSPORTATION

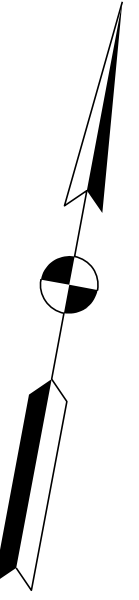
PLAN SHEET
I-70
STA. 760+00 TO STA. 775+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

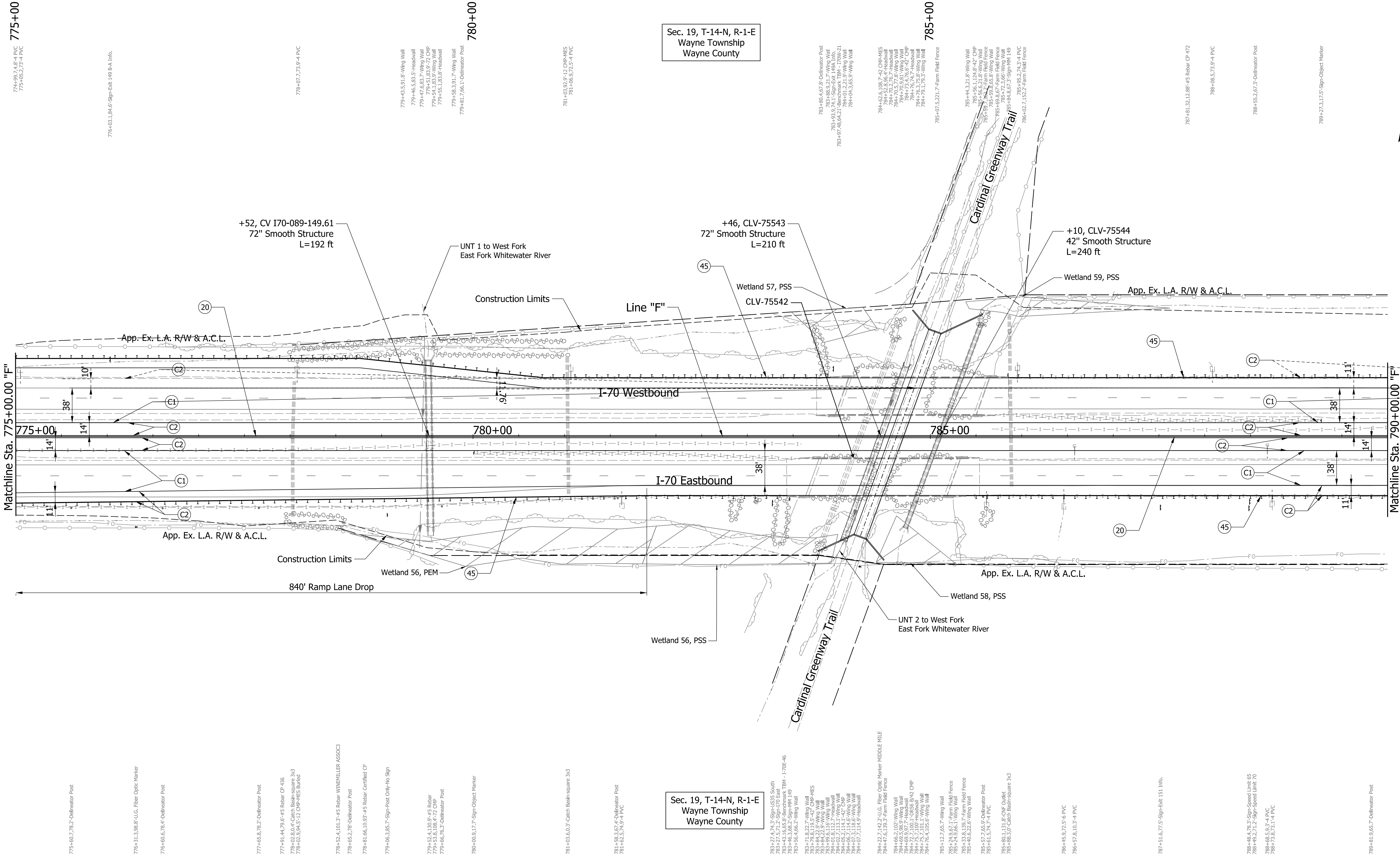
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759+53.8, 74.3, Sign-Exst. 1698
759+05.109, 9.12, CMP
760+17.7, 88.2, Sign-Exst. 1698
760+28.2, 2.2, On Bk
760+38.2, 2.2, On Bk
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775+78.2, 2.2, On Bk
775+88.2, 2.2, On Bk
775+98.2, 2.2, On Bk



Sec. 19, T-14-N, R-1-E
Wayne Township
Wayne County



774+92.7, 4.8'-4" PVC
775+05.2, 7.3'-4" PVC

776+03.1, 84.6'-Sign-Ext. 149 B.A. Info.

778+07.7, 7.9'-4" PVC

779+43.5, 9.8'-Wing Wall
779+46.5, 8.3'-5"-Headwall
779+47.6, 8.3'-7"-Wing Wall
779+51.8, 3.7'-2"-CWP
779+53.8, 10.0'-Wing Wall
779+55.1, 8.3'-8"-Headwall

779+58.3, 91.7'-Wing Wall
779+61.7, 66.1'-Delimitator Post

780+00

781+03.9, 9.1'-Wing Wall
781+06.9, 9.2'-5"-PVC

783+86.4, 67.8'-Delimitator Post
783+88.9, 21.7'-Wing Wall
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784+02.4, 108.7'-42" CWP-MES
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789+81.4, 7.9'-Wing Wall
789+86.4, 7.9'-Wing Wall
789+91.4, 7.9'-Wing Wall
789+96.4, 7.9'-Wing Wall
790+01.4, 7.9'-Wing Wall
790+06.4, 7.9'-Wing Wall
790+11.4, 7.9'-Wing Wall
790+16.4, 7.9'-Wing Wall
790+21.4, 7.9'-Wing Wall
790+26.4, 7.9'-Wing Wall
790+31.4, 7.9'-Wing Wall
790+36.4, 7.9'-Wing Wall
790+41.4, 7.9'-Wing Wall
790+46.4, 7.9'-Wing Wall
790+51.4, 7.9'-Wing Wall
790+56.4, 7.9'-Wing Wall
790+61.4, 7.9'-Wing Wall
790+66.4, 7.9'-Wing Wall
790+71.4, 7.9'-Wing Wall
790+76.4, 7.9'-Wing Wall
790+81.4, 7.9'-Wing Wall
790+86.4, 7.9'-Wing Wall
790+91.4, 7.9'-Wing Wall
790+96.4, 7.9'-Wing Wall

785+00

786+61.3, 32.12'-84.5' Rebar CP 472

788+08.5, 73.9'-4" PVC

788+55.2, 67.8'-Delimitator Post

789+27.3, 17.5'-Sign-Object Marker

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

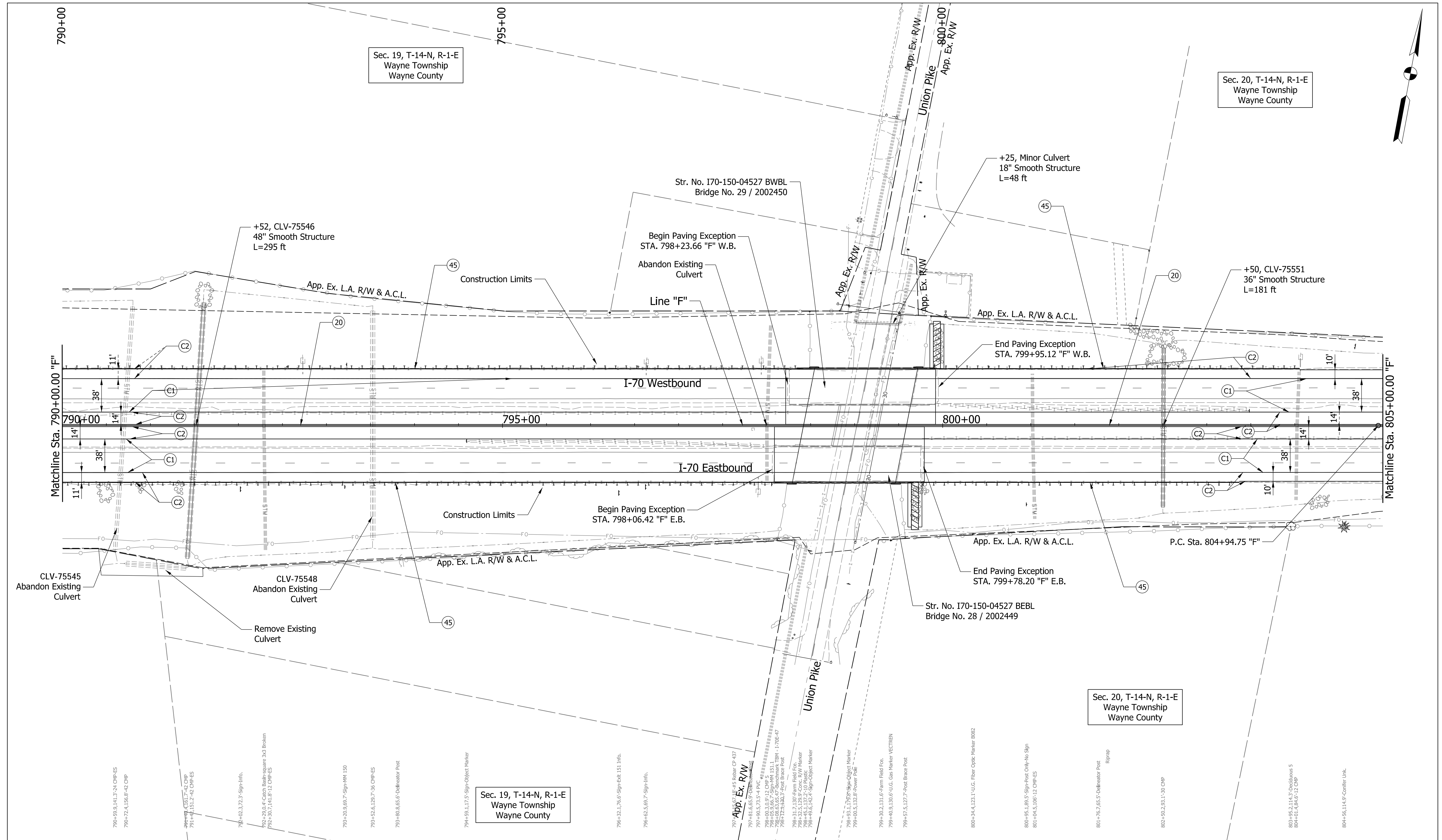
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
I-70
STA. 775+00 TO STA. 790+00**

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:07 AM

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_29.dgn



PARSONS 101 W. Ohio St., Suite 2121 Indianapolis, IN 46204 Bus (317) 616-1000	(C1) CRCP Pavement, TBD (C2) PCCP Pavement, TBD (N) Compacted Aggregate, No. 53 (U) 6" Underdrain	(20) Concrete Median Barrier (21) Concrete Railing Type FT and Moment Slab (22) Concrete Median Barrier, Modified (26) See Mixture, R	(45) Guardrail, MGS, 6'-3" Spacing (46) Guardrail, End Treatment, OS	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: CAP DRAWN: DH CHECKED: JTL CHECKED: CAP	INDIANA DEPARTMENT OF TRANSPORTATION PLAN SHEET I-70 STA. 790+00 TO STA. 805+00	SCALE 1" = 50' N/A SURVEY BOOK CONTRACT R-43375	BRIDGE FILE DESIGNATION 2002424 SHEETS of PROJECT 2002424
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Plot: 5/23/2023 11:08 AM
 pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_30.dgn

805+00

804+94.9,0.2'-#5 Rebar Bent

808+32.4,66.4'-Delineator Post

810+00

809+96.33,67.6'-#5 Rebar CP #71

810+78.58,81.9'-Benchmark TBM - 170W-19
810+79.3,85.6'-Sign-Info

812+48.5,67'-Delineator Post

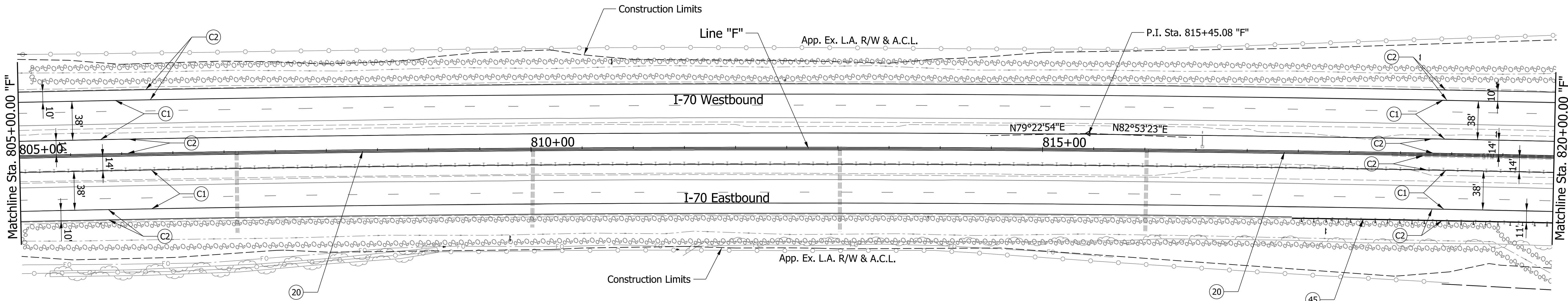
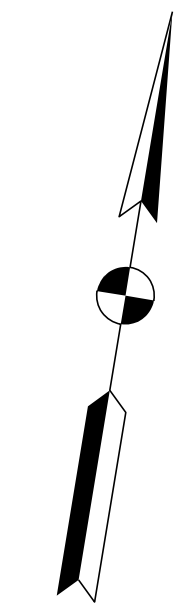
Sec. 20, T-14-N, R-1-E
Wayne Township
Wayne County

815+00

816+56.2,4.6'-4 PVC

818+67.4,94.7'-Sign-Info, City

819+42.5,69.2'-Sign-Temp. Construction
819+43.1,20.9'-Sign-Temp. Construction



805+78.2,66.8'-Delineator Post

807+11.9,78.1'-12 C/P#E5
807+12.5,0.3'-Catch Basin-square

809+13.7,94.5'-U.G. Fiber Optic Marker

809+78.94,78.95'-Benchmark TBM - 170E-48
809+78.9,86.8'-Sign-60K-15.1, Info.

810+00,7.76,3'-Outlet Buried in Right
810+02.2,0.1'-Catch Basin-square

811+40.5,58.5'-U.G. Fiber Optic Marker

Sec. 20, T-14-N, R-1-E
Wayne Township
Wayne County

813+01.9,0.2'-Catch Basin-square 3x3
813+02.1,81.5'-12 C/P#E5

813+48.6,66.6'-Delineator Post

816+01.2,79.1'-12 C/P#E5
816+01.9,0.3'-Catch Basin-square 3x3

817+48.4,97.27'-#5 Rebar CP #38

817+78.7,6.6'-Sign-60K-15.1, Info.
817+83.9,65.7'-Delineator Post

818+41.5,0.6'-15 C/P

Plot: 5/23/2023 11:08 AM

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Indianapolis, IN 46204
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- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 805+00 TO STA. 820+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_31.dgn

Plot: 5/23/2023 11:08 AM

PARSONS
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 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

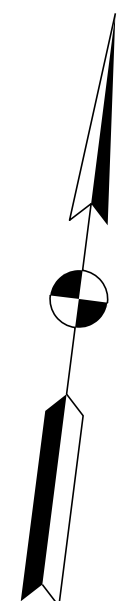
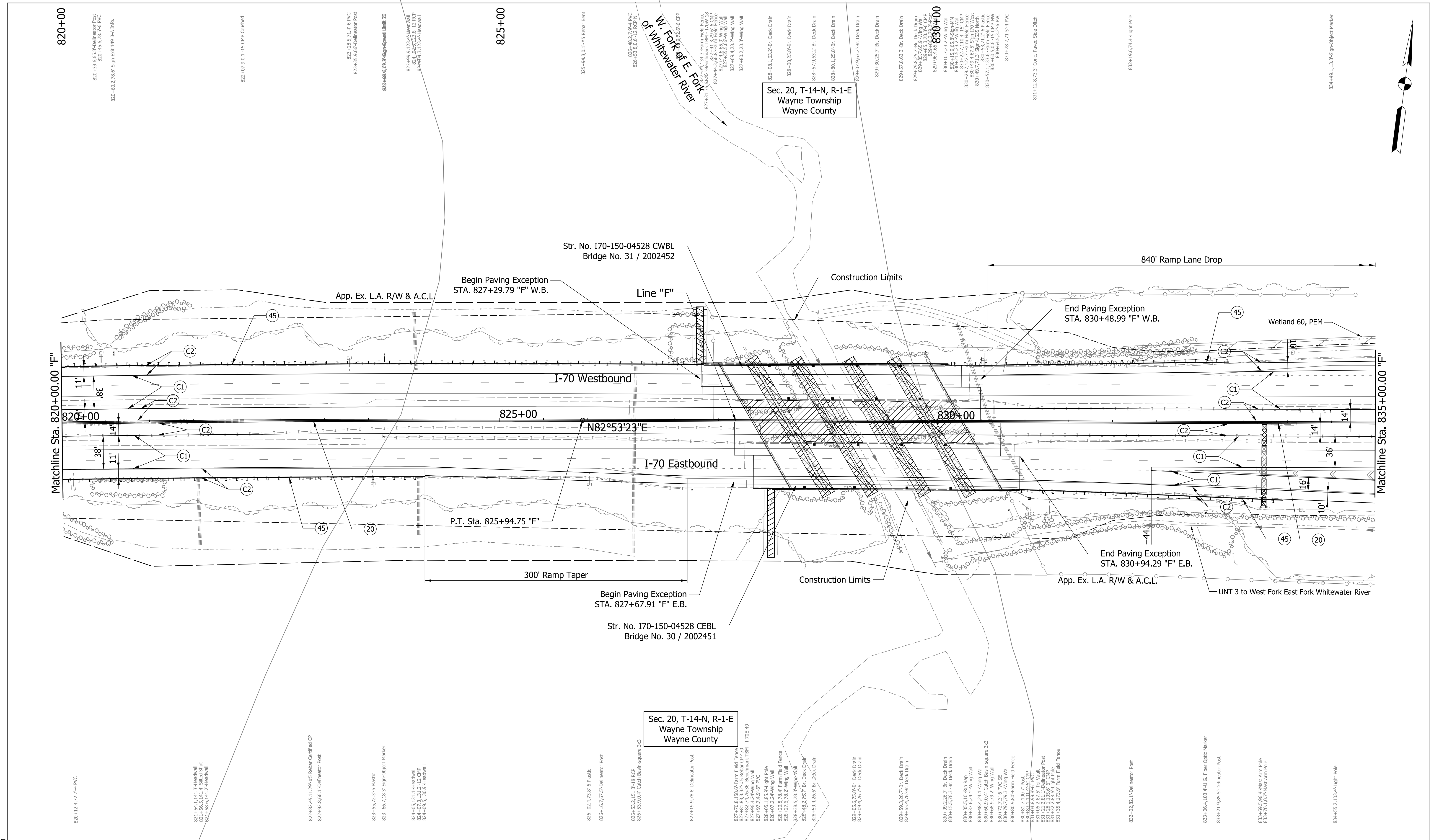
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN SHEET
 I-70
 STA. 820+00 TO STA. 835+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_Rd_Sht_Plan_32.dgn

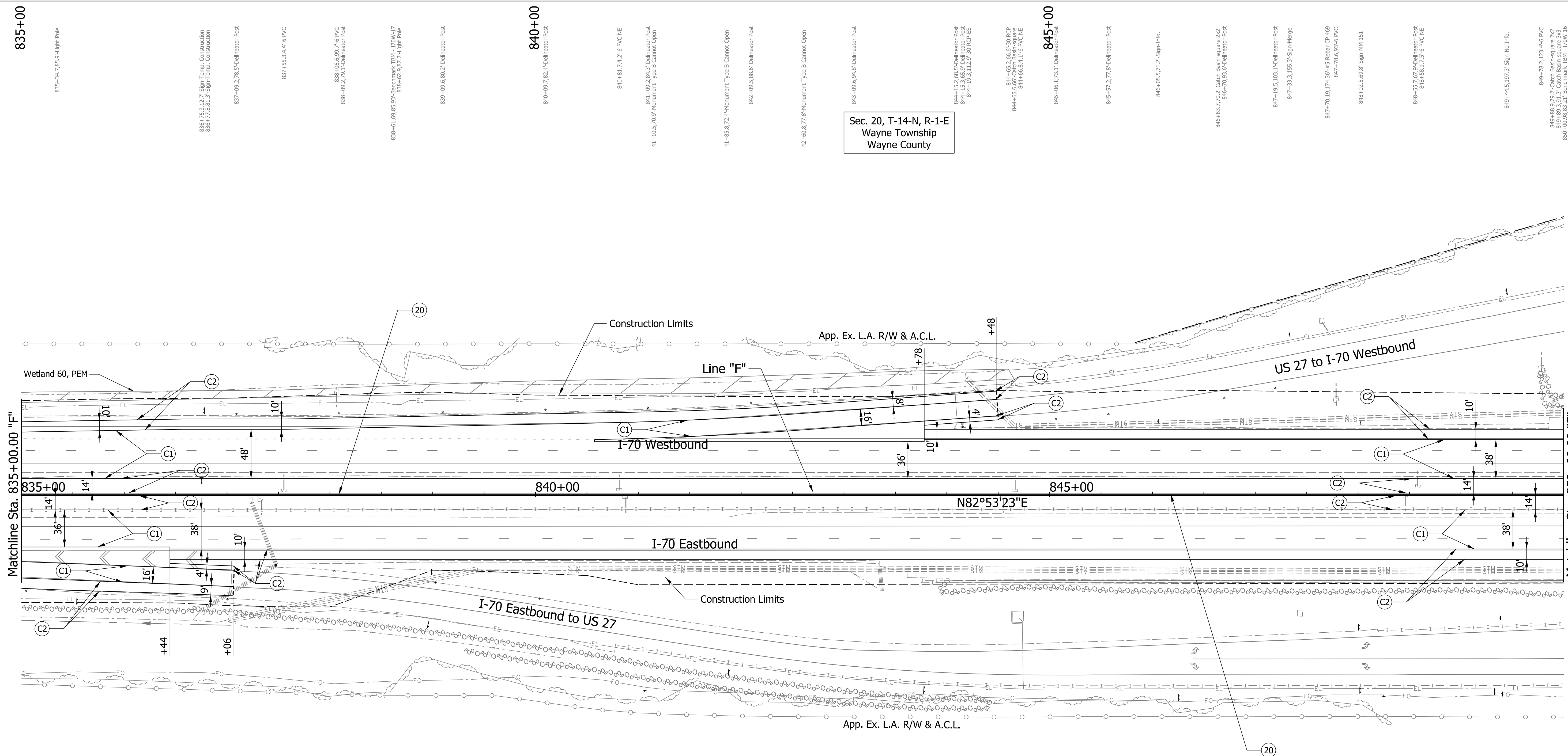


Plot: 5/23/2023 11:08 AM

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Bus (317) 616-1000

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_33.dgn



Sec. 20, T-14-N, R-1-E
Wayne Township
Wayne County

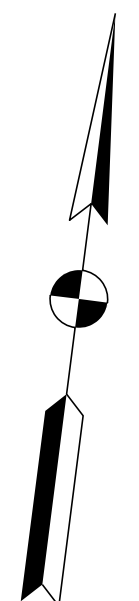
Sec. 20, T-14-N, R-1-E
Wayne Township
Wayne County

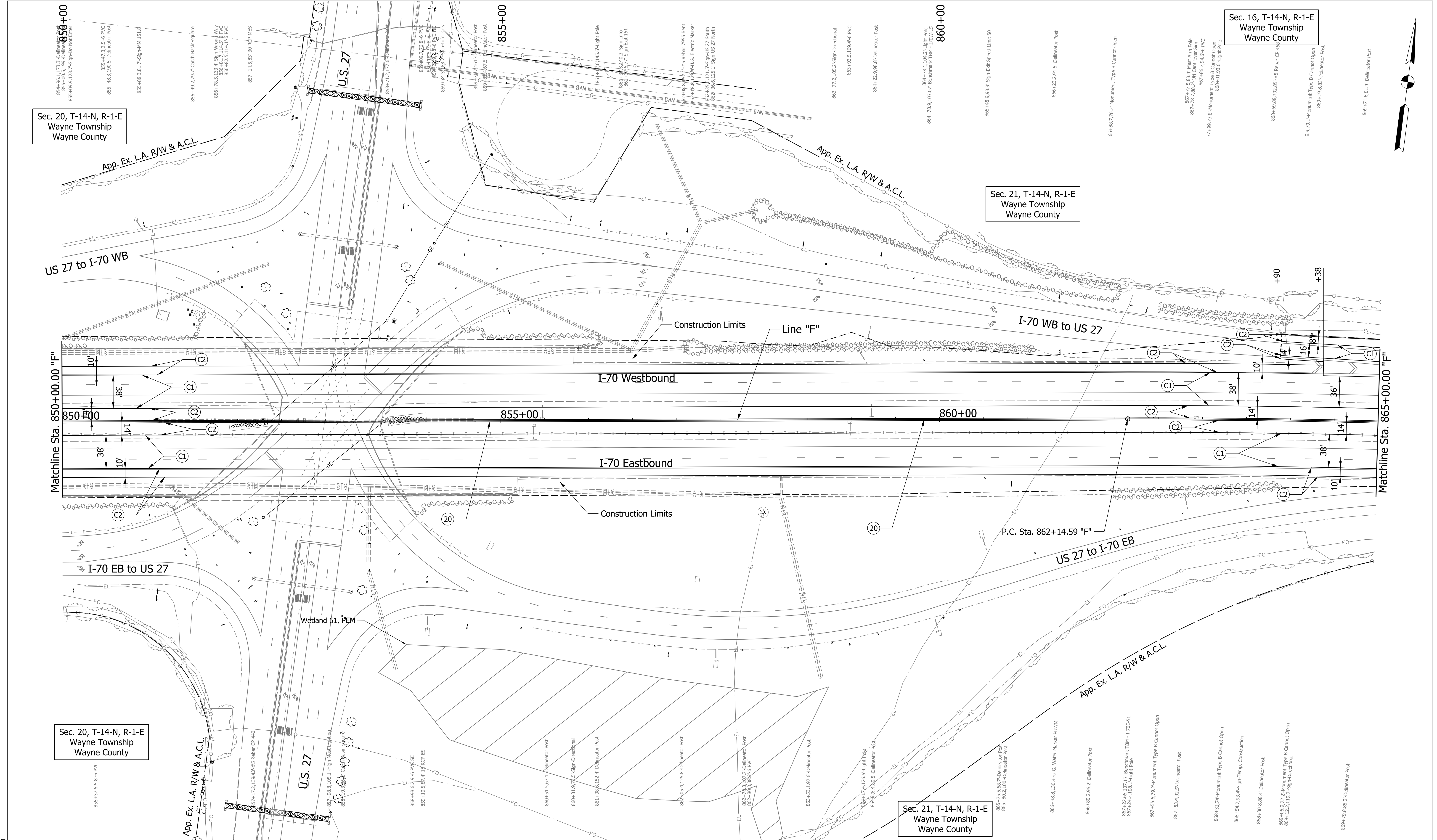
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 835+00 TO STA. 850+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424





Sec. 20, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 21, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 16, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 20, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 21, T-14-N, R-1-E
Wayne Township
Wayne County

Plot: 5/23/2023 11:09 AM

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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

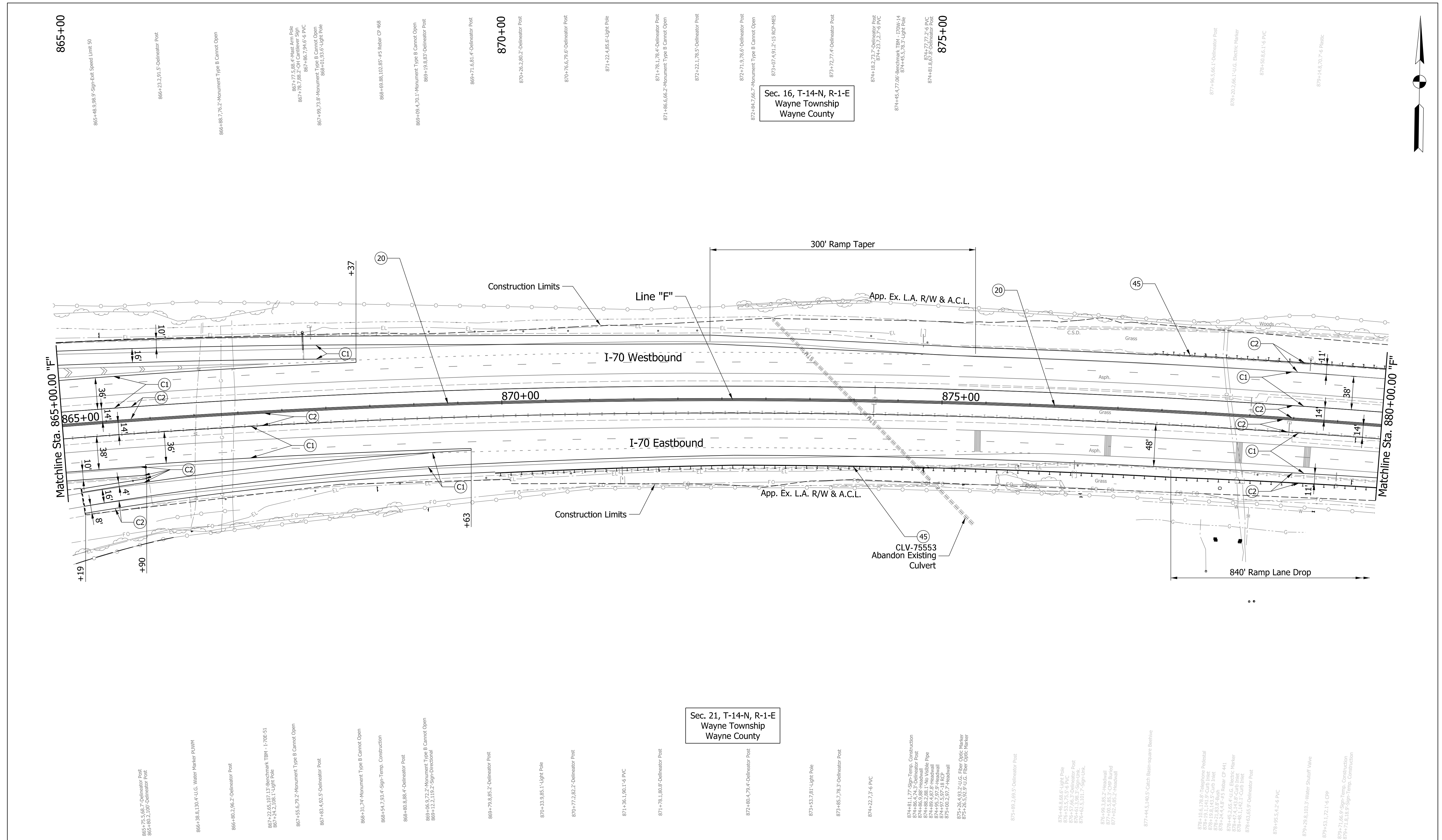
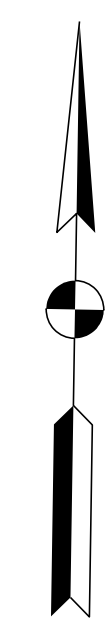
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 850+00 TO STA. 865+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pw://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_34.dgn



Sec. 16, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 21, T-14-N, R-1-E
Wayne Township
Wayne County

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Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 865+00 TO STA. 880+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:09 AM

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_35.dgn

Plot: 5/23/2023 11:09 AM

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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

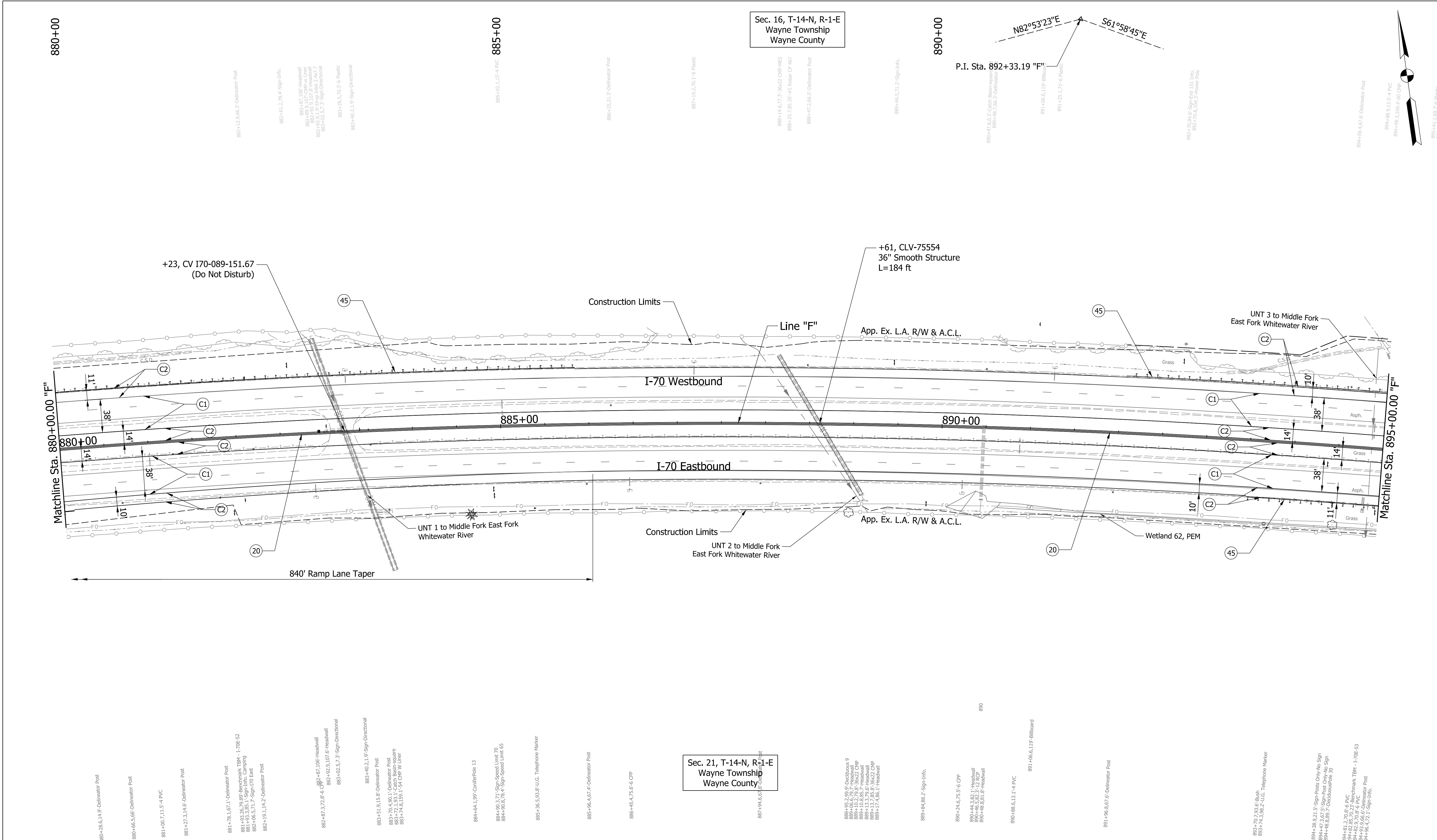
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 880+00 TO STA. 895+00

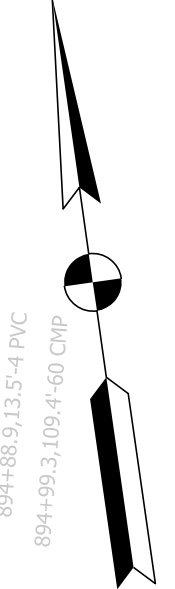
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N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

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Sec. 16, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 21, T-14-N, R-1-E
Wayne Township
Wayne County

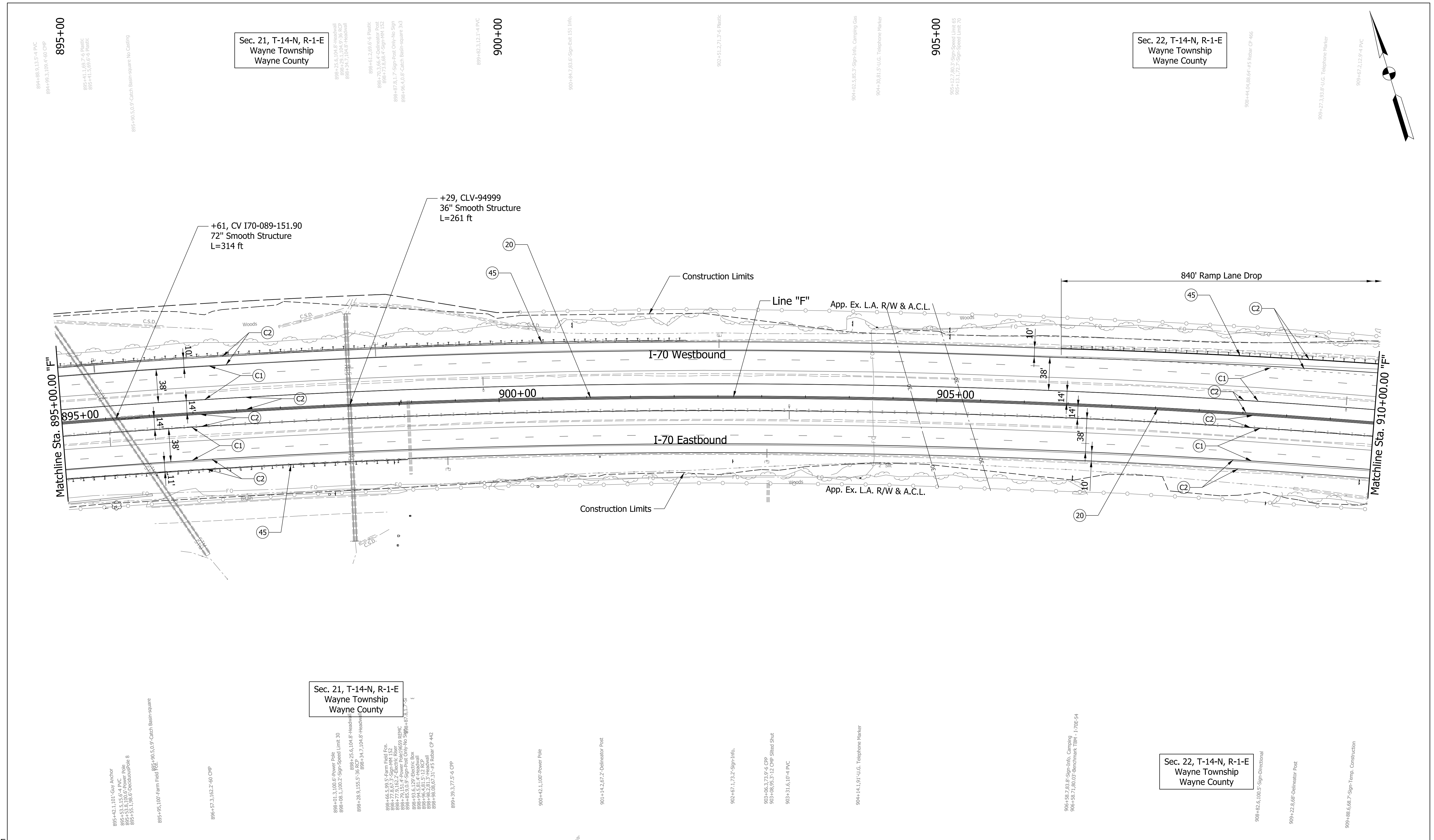


Plot: 5/23/2023 11:10 AM

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 Indianapolis, IN 46204
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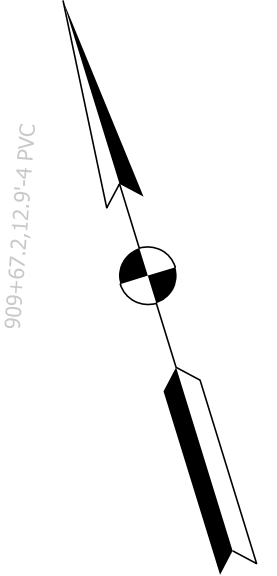
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|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_37.dgn



Sec. 21, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 22, T-14-N, R-1-E
Wayne Township
Wayne County

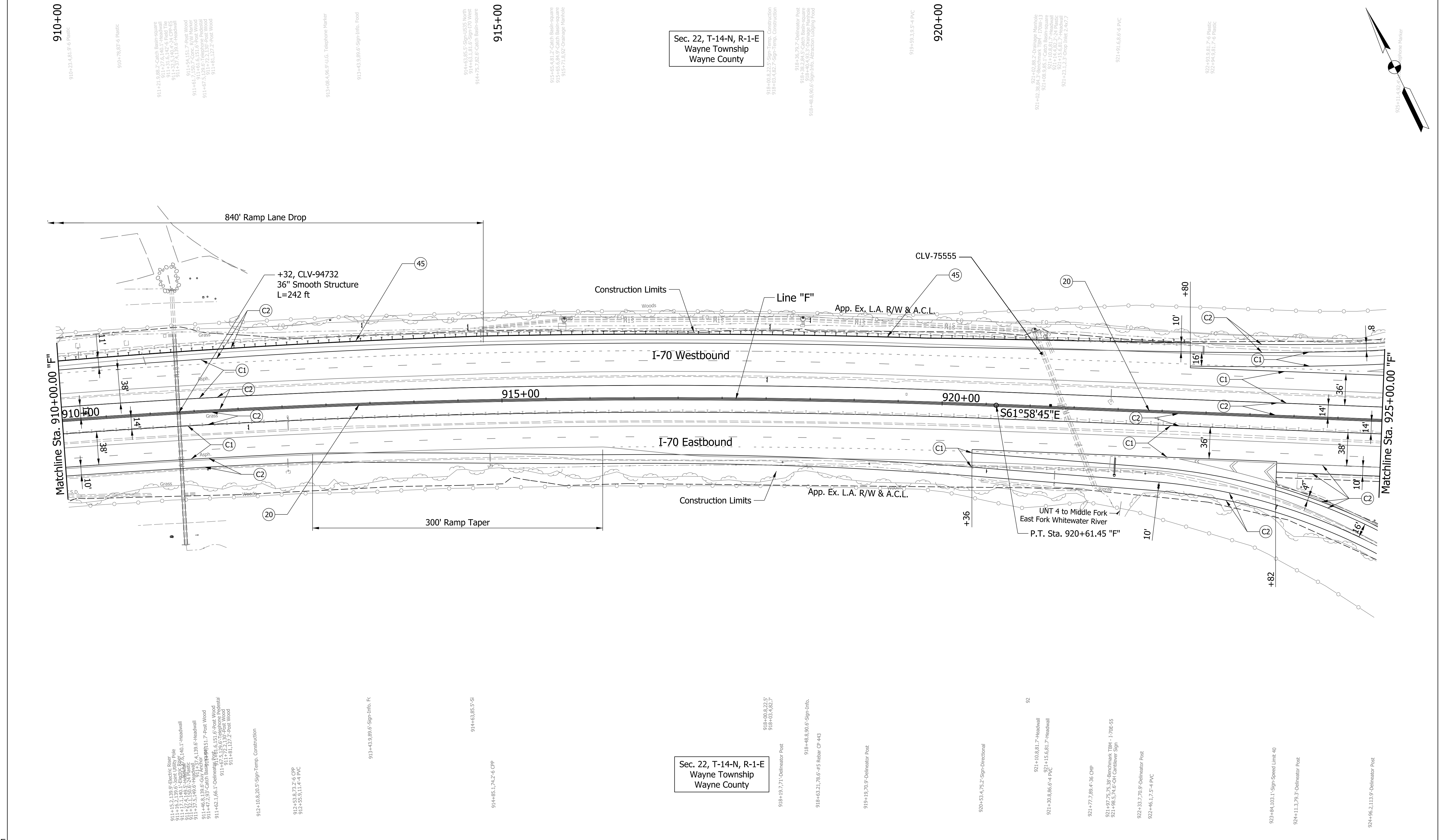
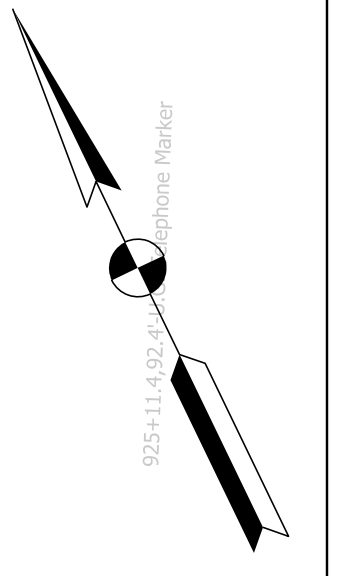


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 895+00 TO STA. 910+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424



PARSONS
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 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

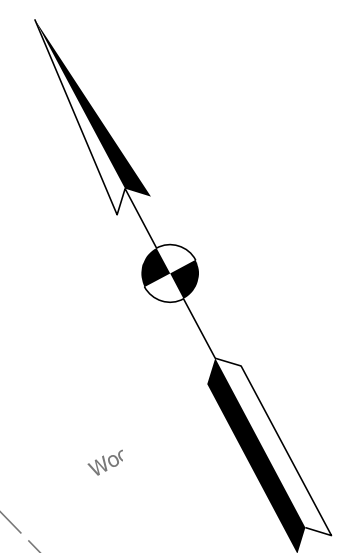
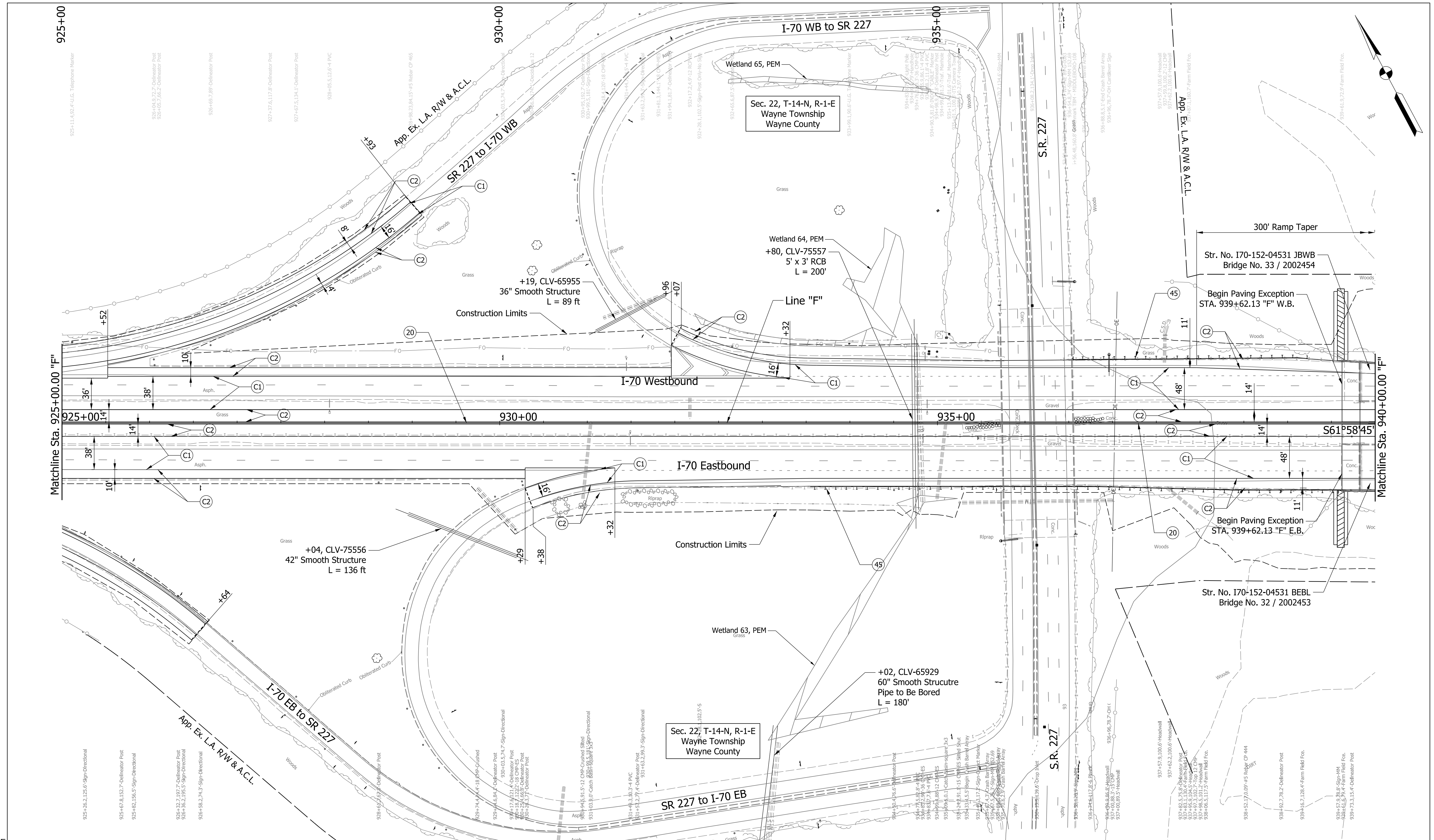
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 910+00 TO STA. 925+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_38.dgn

Plot: 5/23/2023 11:10 AM



PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

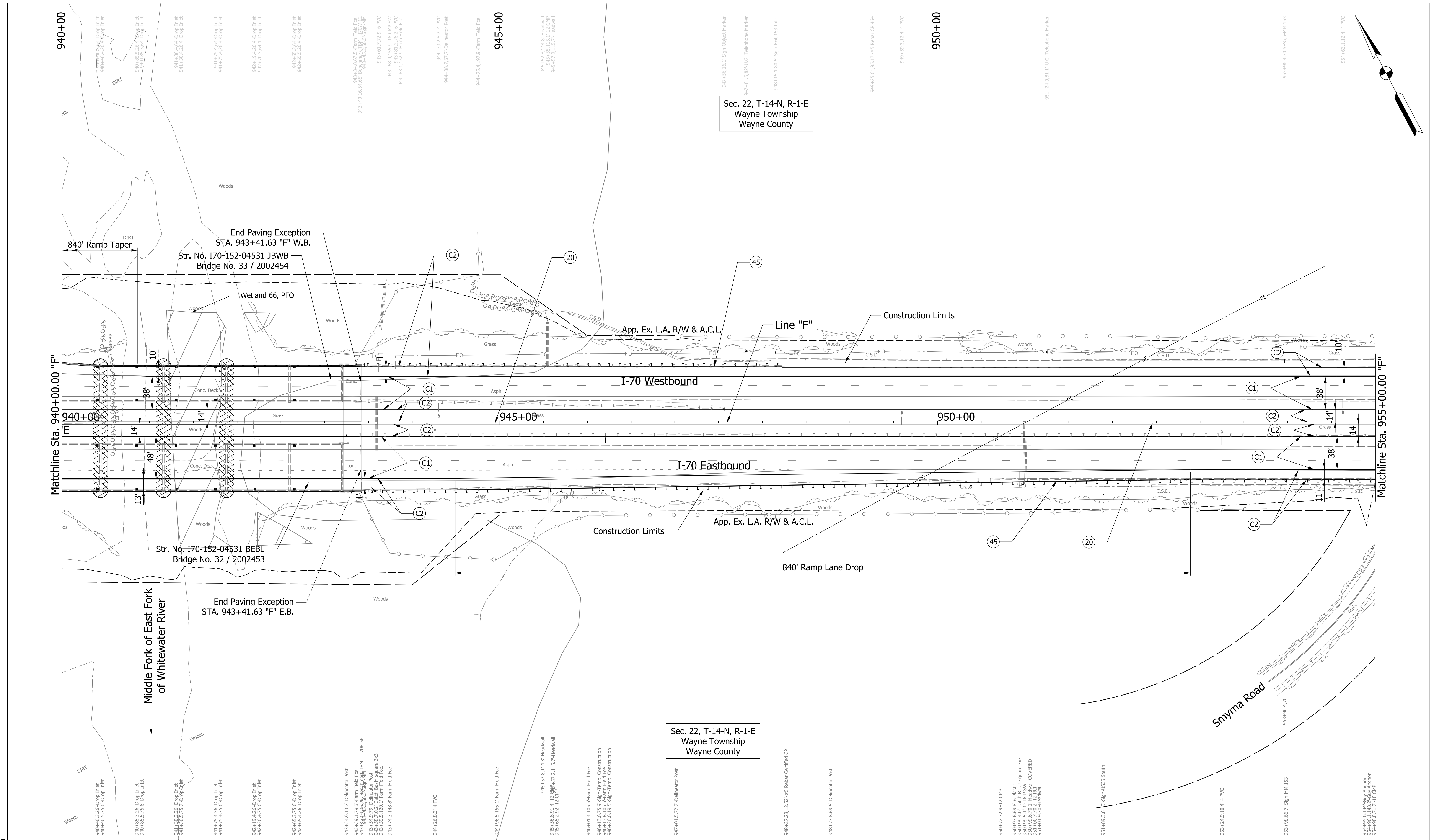
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 925+00 TO STA. 940+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:10 AM

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_39.dgn



Sec. 22, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 22, T-14-N, R-1-E
Wayne Township
Wayne County

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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

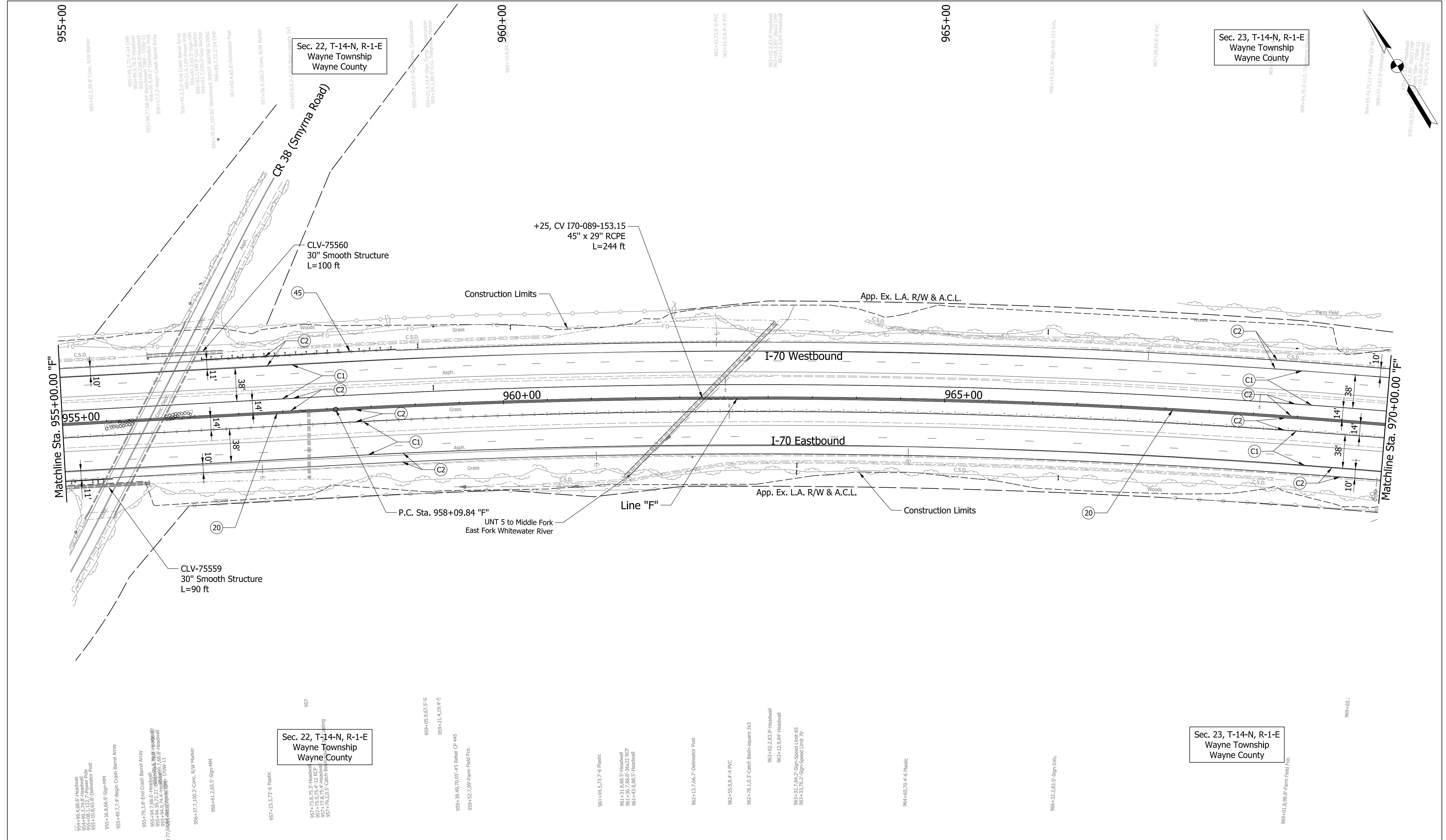
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 940+00 TO STA. 955+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2013 11:11 AM

p:\NANVA01\PWINT01.Parsons.com\Indiana State\Documents\I70 Pavement Replacement\10 - Design\01 - Parsons\30 - Design\CAD\Roadway\Sheets\R-43375_RD_Sht_Plan_40.dgn



Sec. 22, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 23, T-14-N, R-1-E
Wayne Township
Wayne County

Plot: 5/23/2023 11:11 AM

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

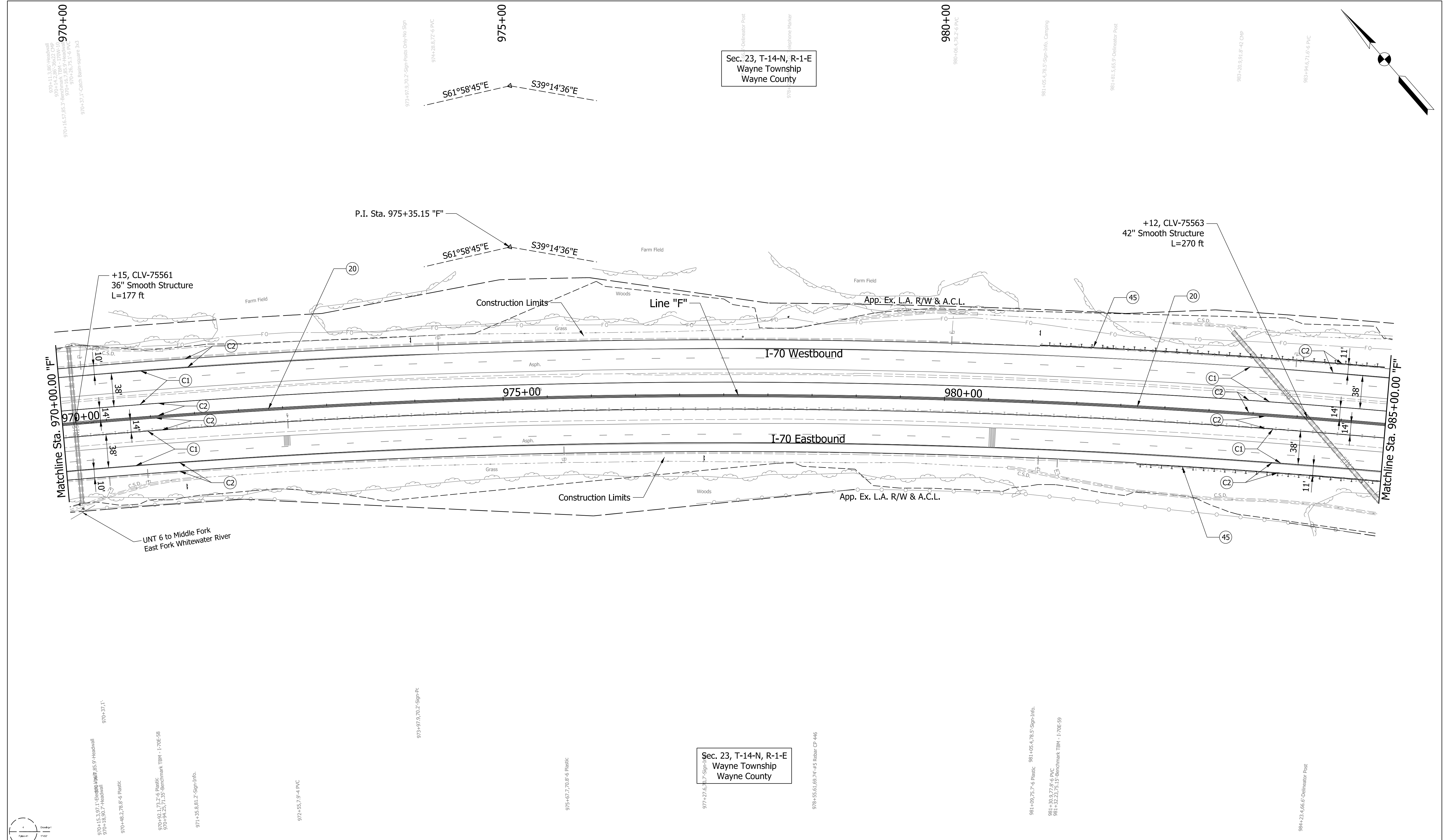
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 955+00 TO STA. 970+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pw://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_41.dgn



<p>101 W. Ohio St., Suite 2121 Indianapolis, IN 46204 Bus (317) 616-1000</p>	(C1) CRCP Pavement, TBD (C2) PCCP Pavement, TBD (N) Compacted Aggregate, No. 53 (U) 6" Underdrain	(20) Concrete Median Barrier (21) Concrete Railing Type FT and Moment Slab (22) Concrete Median Barrier, Modified (26) See Mixture, R	(45) Guardrail, MGS, 6'-3" Spacing (46) Guardrail, End Treatment, OS	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: CAP DRAWN: DH CHECKED: JTL CHECKED: CAP	INDIANA DEPARTMENT OF TRANSPORTATION PLAN SHEET I-70 STA. 970+00 TO STA. 985+00	SCALE 1" = 50' N/A SURVEY BOOK CONTRACT R-43375	BRIDGE FILE DESIGNATION 2002424 SHEETS of PROJECT 2002424
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Plot: 5/23/2023 11:11 AM p:\NANVA01P\WINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_42.dgn

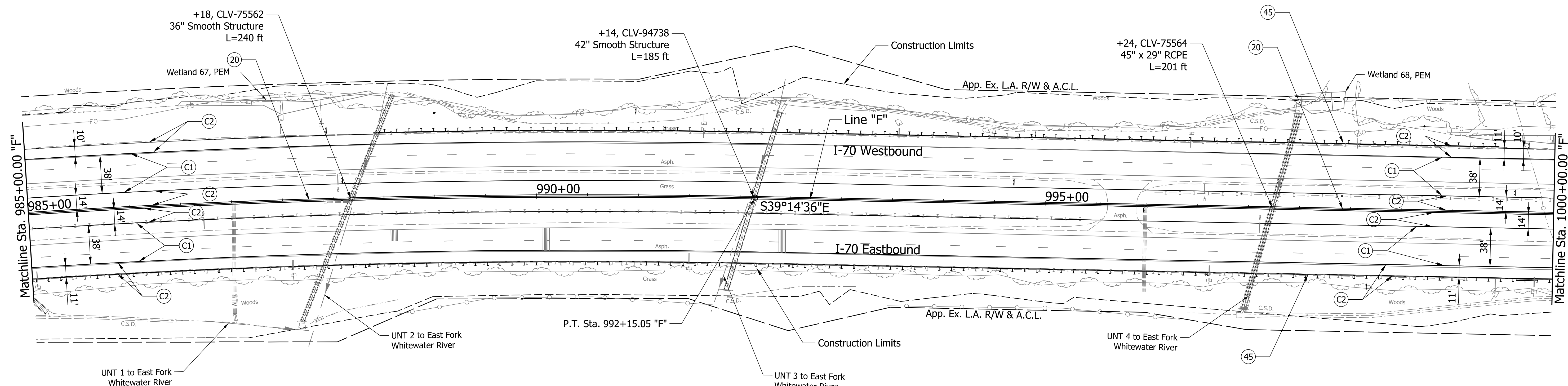
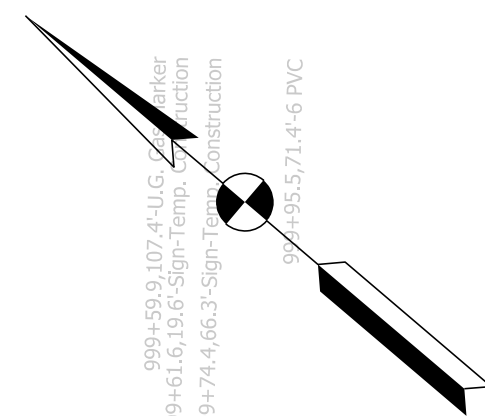
985+00

Sec. 23, T-14-N, R-1-E
Wayne Township
Wayne County

990+00

995+00

Sec. 26, T-14-N, R-1-E
Wayne Township
Wayne County



Sec. 23, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 26, T-14-N, R-1-E
Wayne Township
Wayne County

- 986+72.1, 9.1, 1'-4" PVC
- 986+87.5, 188.9' Headwall
- 987+00.7, 109.3' 12" CWP
- 987+00.7, 109.3' Catch Basin Square 3x3
- 987+02.1, 115' Catch Basin Square 3x3
- 987+63.3, 73.3' Plastic
- 987+58.8, 72.3' Plastic
- 987+55.8, 119.1' 30" RCP
- 987+70.1, 119.1' Headwall
- 987+92.5, 1'-4" Catch Basin Square 3x3
- 987+92.5, 115' 12" CWP
- 987+92.5, 115' Catch Basin Square 3x3
- 988+08.4, 18.7' Sign
- 988+33.8, 66.5' Delineator Post
- 988+60.1, 114.3' Farm Field Foc.
- 989+55.4, 99.7' Farm Field Foc.
- 991+50.5, 70' 4'-6" Plastic
- 991+81.7, 81.2' Headwall
- 991+94.3, 81.8' Headwall
- 992+31.8, 63.3' Headwall
- 992+43.1, 83.1' Headwall
- 992+49.5, 66.6' Delineator Post
- 992+79.8, 14.9' Delineator Post
- 993+75.3, 14.8' Delineator Post
- 994+67.1, 14.9' Delineator Post
- 994+68.8, 20.1' Sign
- 994+83.3, 67.9' Sign
- 995+53.8, 0.3' Sign Directional
- 995+58.7, 70.6' Catch Basin Square 3x3
- 995+62.3, 72.6' Plastic
- 996+91.6, 100.1' Headwall
- 996+92.7, 100.5' 3x27' CWA
- 997+00.8, 100.5' Headwall
- 997+11.9, 9.6' 4" PVC
- 997+42.6, 83.3' Headwall
- 997+53.5, 93.4' Headwall
- 998+17.3, 75.6' Sign-Ext. 156' 4'-8" Info. 170E-60
- 998+18.0, 76.1' Benchmark TBH-170E-60
- 999+43.8, 80.5' 6" PVC
- 999+45.7, 26.23' 45" Rebar CP 417
- 999+82.1, 77.6' 6" Plastic
- 999+61.6, 19.6' Sign-Tem
- 999+74.6, 66.3' Sign-Tem
- 999+82.1, 77.6' 6" Plastic

Plot: 5/23/2023 11:11 AM



101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

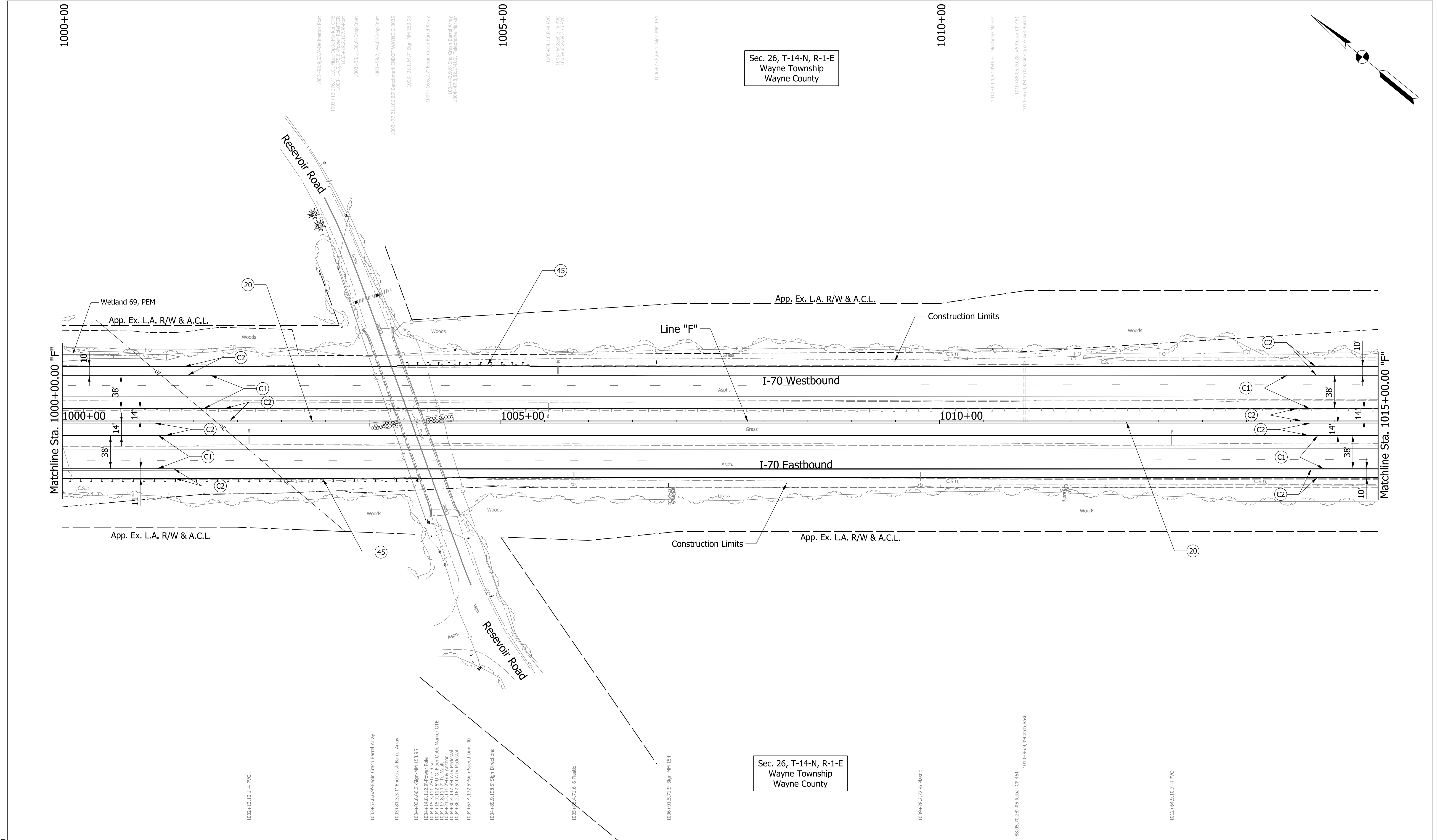
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 985+00 TO STA. 1000+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_Sht_Plan_43.dgn



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- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing, Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

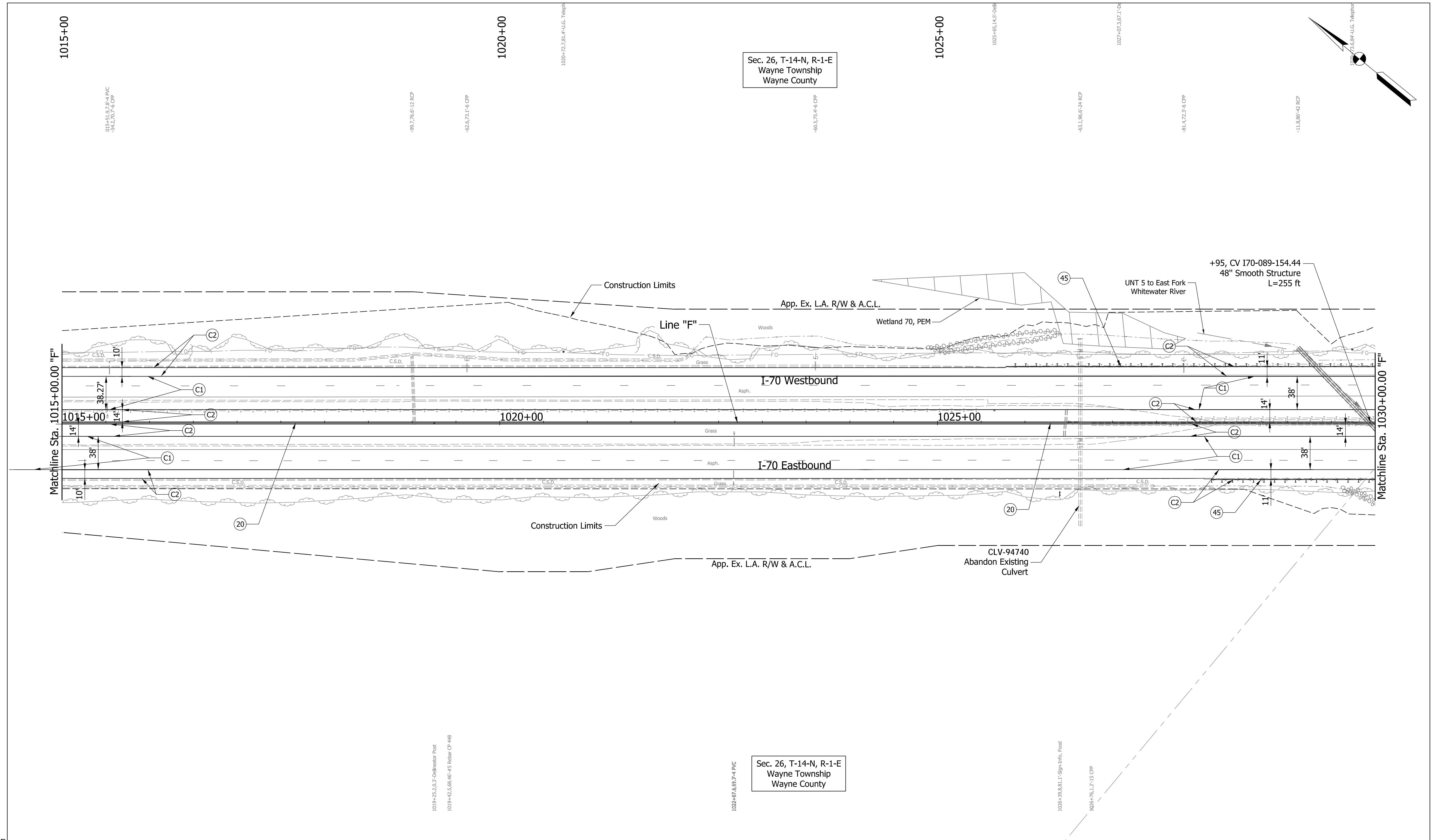
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DESIGNED: CAP	DRAWN: DH
CHECKED: JTL	CHECKED: CAP

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 1000+00 TO STA. 1015+00

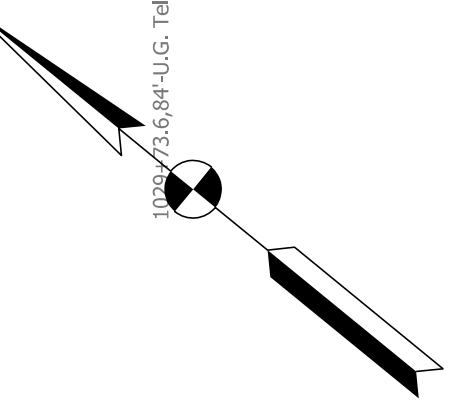
SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

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Sec. 26, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 26, T-14-N, R-1-E
Wayne Township
Wayne County



Plot: 5/23/2023 11:12 AM

PARSONS
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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

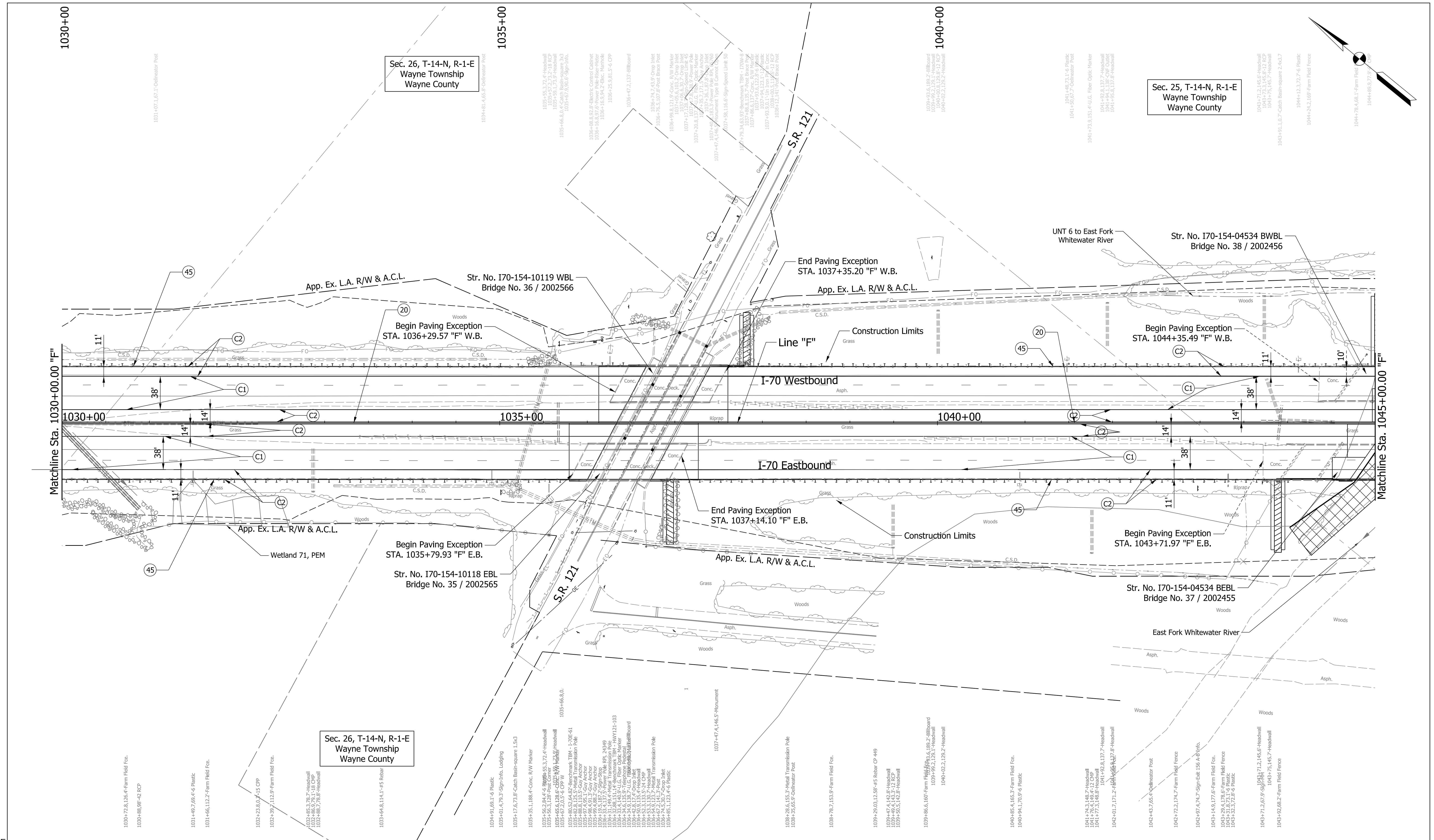
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
I-70
STA. 1015+00 TO STA. 1030+00**

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

pww://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_45.dgn



Sec. 26, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 25, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 26, T-14-N, R-1-E
Wayne Township
Wayne County

PARSONS
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Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

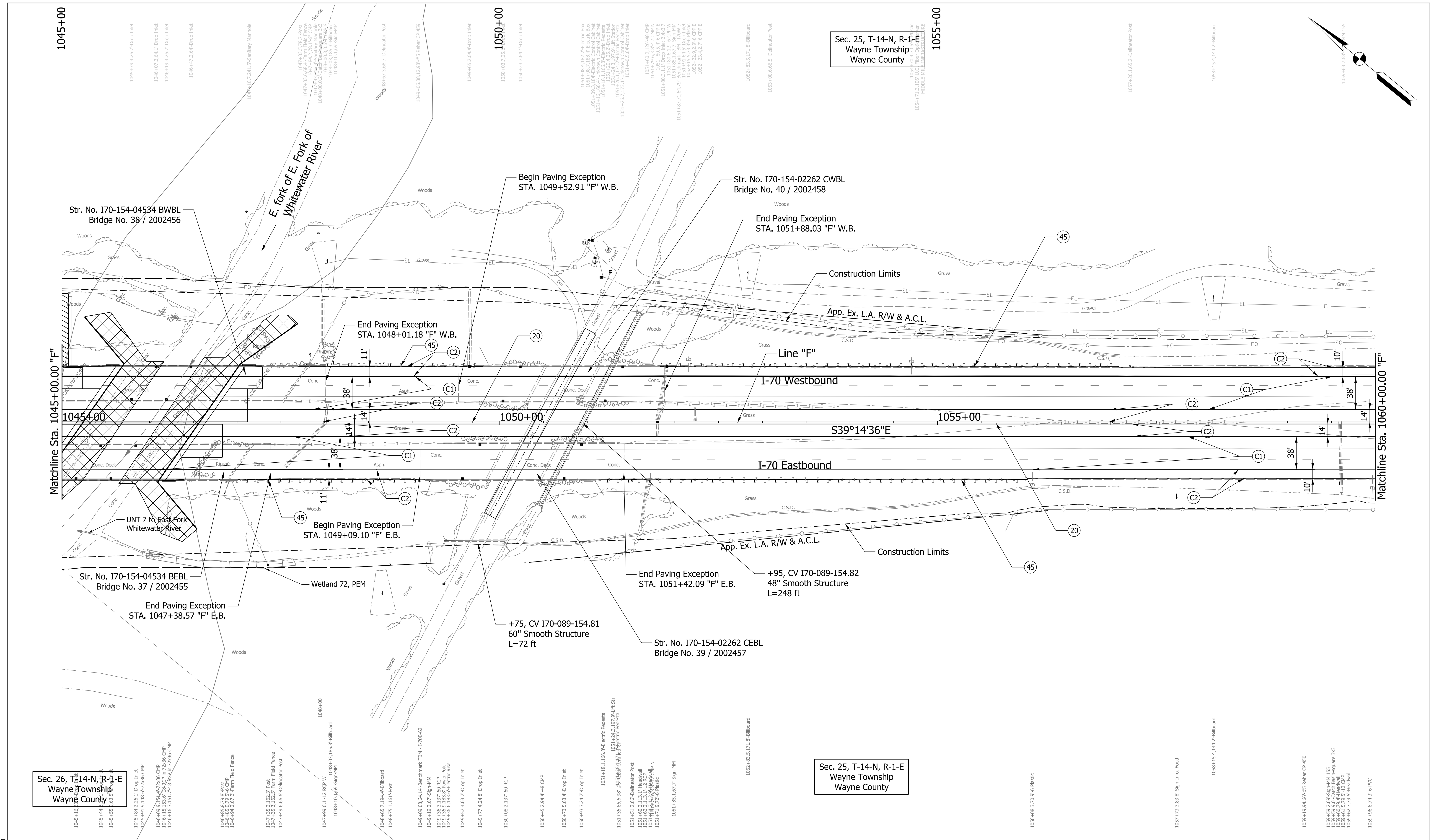
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 1030+00 TO STA. 1045+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:12 AM

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Sec. 26, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 25, T-14-N, R-1-E
Wayne Township
Wayne County

Plot: 5/23/2023 11:13 AM

PARSONS
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Indianapolis, IN 46204
Bus (317) 616-1000

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|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

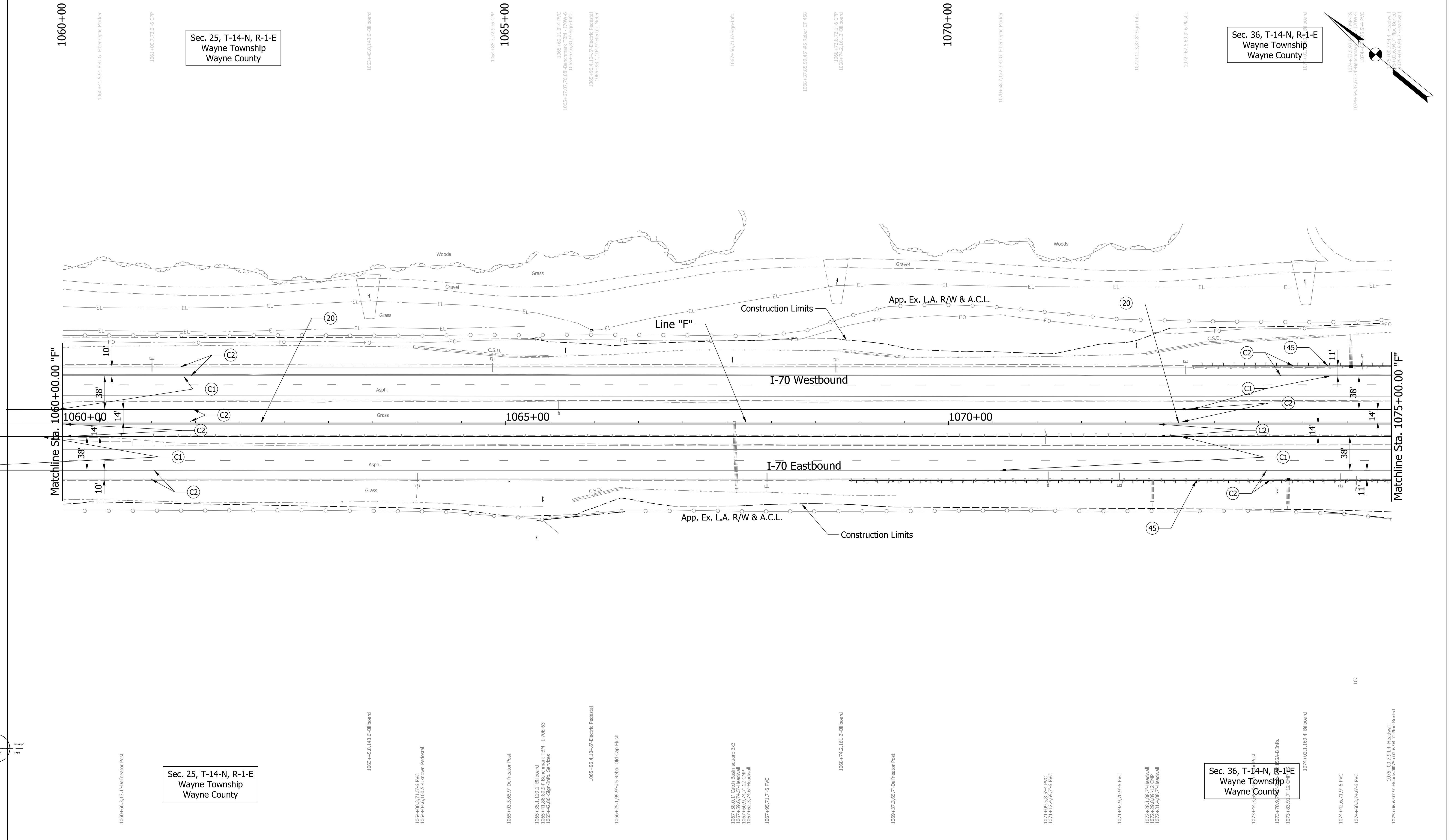
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 1045+00 TO STA. 1060+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

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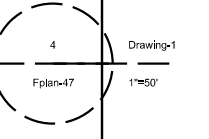


Sec. 25, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 36, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 25, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 36, T-14-N, R-1-E
Wayne Township
Wayne County



Plot: 5/23/2023 11:13 AM

PARSONS
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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 1060+00 TO STA. 1075+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

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Plot: 5/23/2023 11:13 AM

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 Indianapolis, IN 46204
 Bus (317) 616-1000

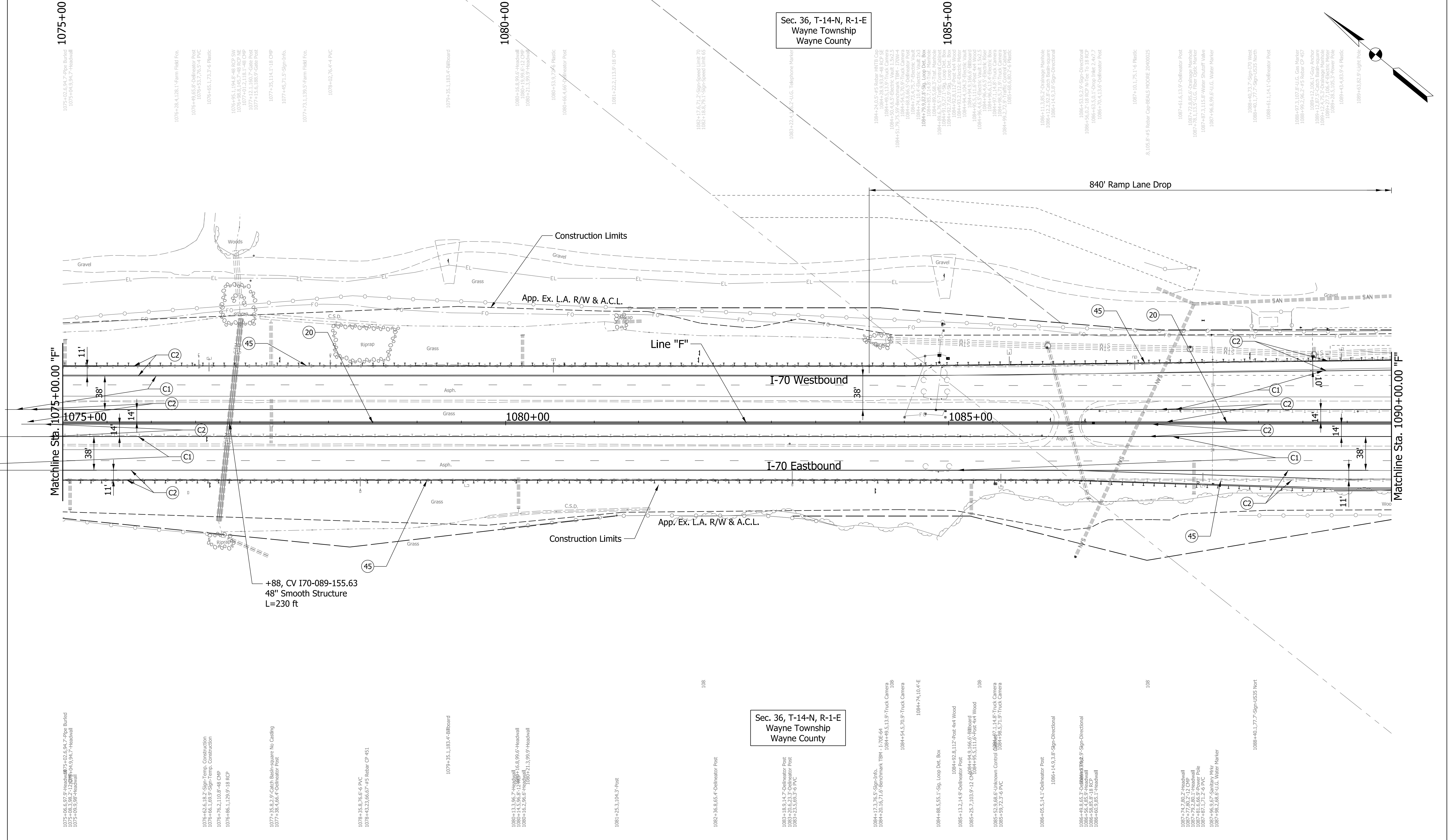
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| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

Sec. 36, T-14-N, R-1-E
 Wayne Township
 Wayne County

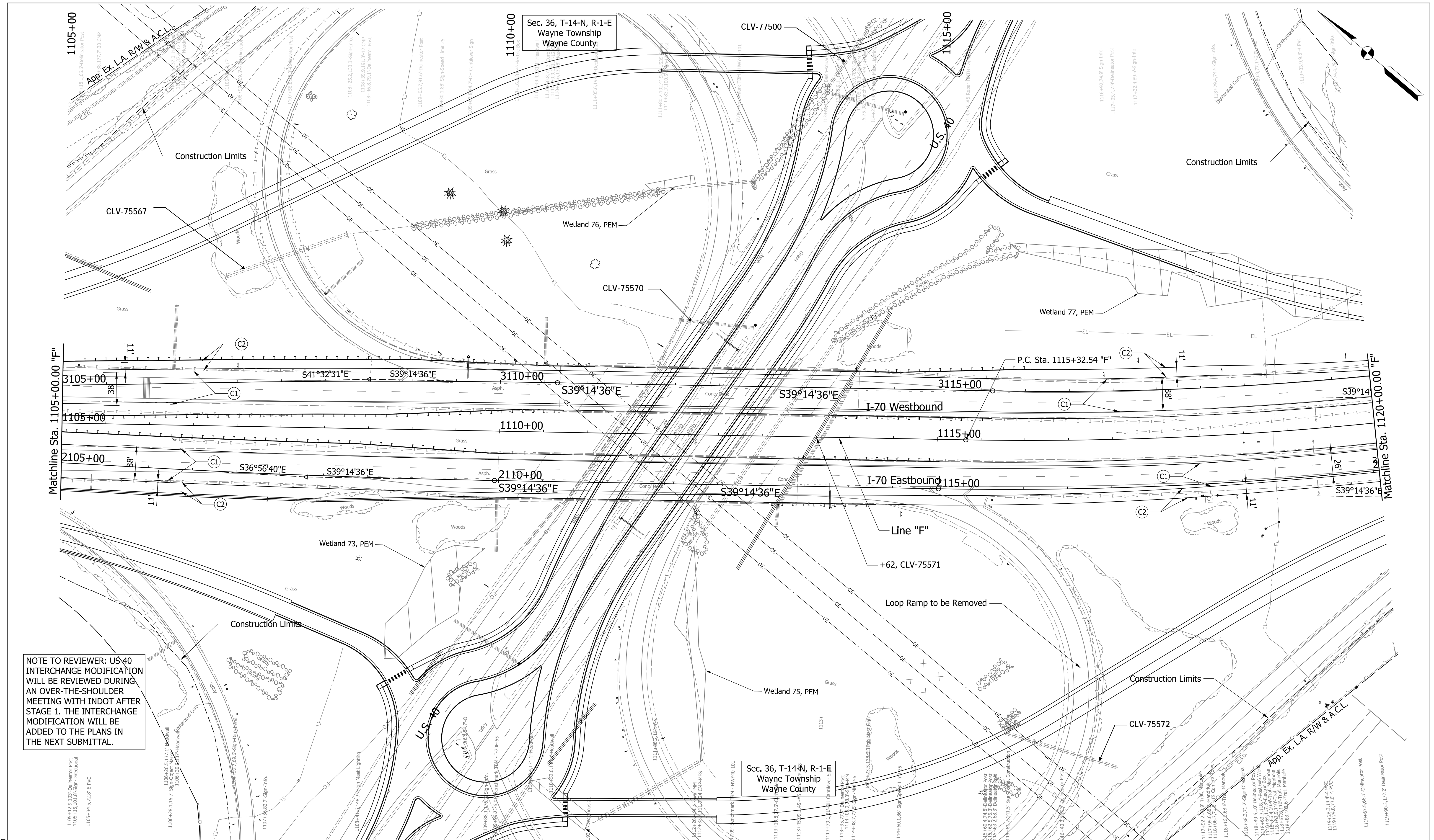
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DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 1075+00 TO STA. 1090+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424



pw://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_49.dgn



NOTE TO REVIEWER: US40 INTERCHANGE MODIFICATION WILL BE REVIEWED DURING AN OVER-THE-SHOULDER MEETING WITH INDOT AFTER STAGE 1. THE INTERCHANGE MODIFICATION WILL BE ADDED TO THE PLANS IN THE NEXT SUBMITTAL.

PARSONS
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 Indianapolis, IN 46204
 Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

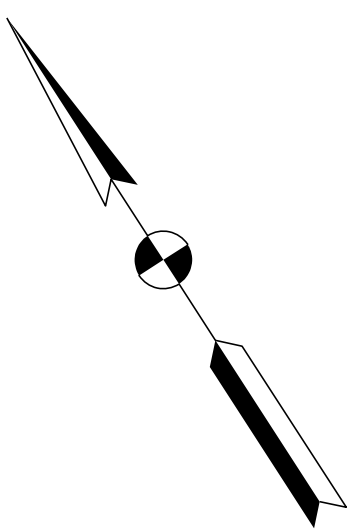
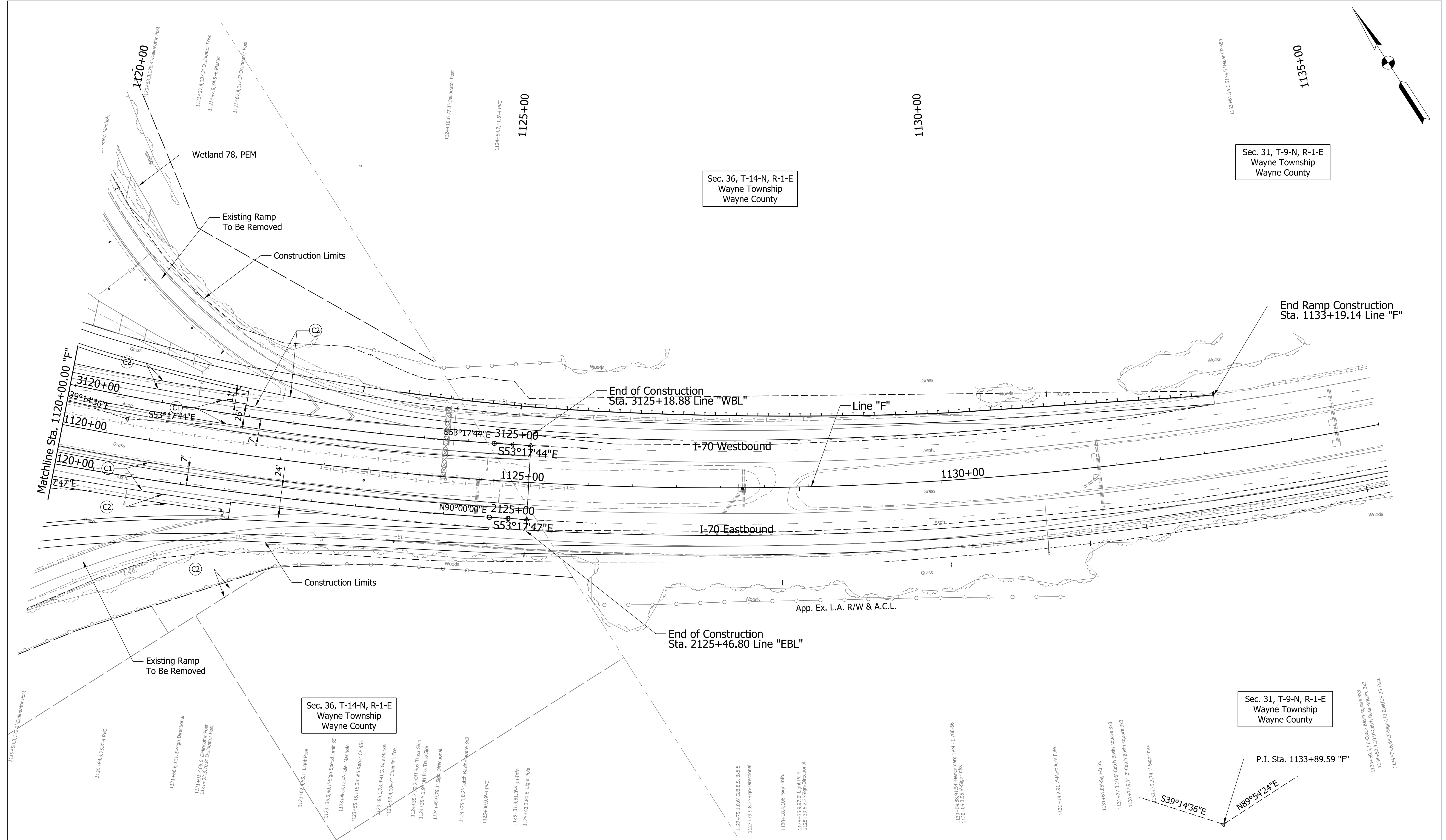
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN SHEET
 I-70
 STA. 1105+00 TO STA. 1120+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 5/23/2023 11:14 AM

pwr://\NAVVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_51.dgn



Sec. 36, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 31, T-9-N, R-1-E
Wayne Township
Wayne County

Sec. 36, T-14-N, R-1-E
Wayne Township
Wayne County

Sec. 31, T-9-N, R-1-E
Wayne Township
Wayne County

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Indianapolis, IN 46204
Bus (317) 616-1000

- | | | |
|---------------------------------|---|------------------------------------|
| (C1) CRCP Pavement, TBD | (20) Concrete Median Barrier | (45) Guardrail, MGS, 6'-3" Spacing |
| (C2) PCCP Pavement, TBD | (21) Concrete Railing Type FT and Moment Slab | (46) Guardrail, End Treatment, OS |
| (N) Compacted Aggregate, No. 53 | (22) Concrete Median Barrier, Modified | |
| (U) 6" Underdrain | (26) See Mixture, R | |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

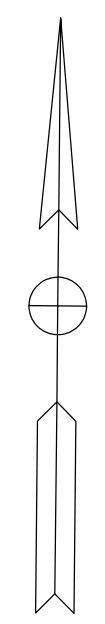
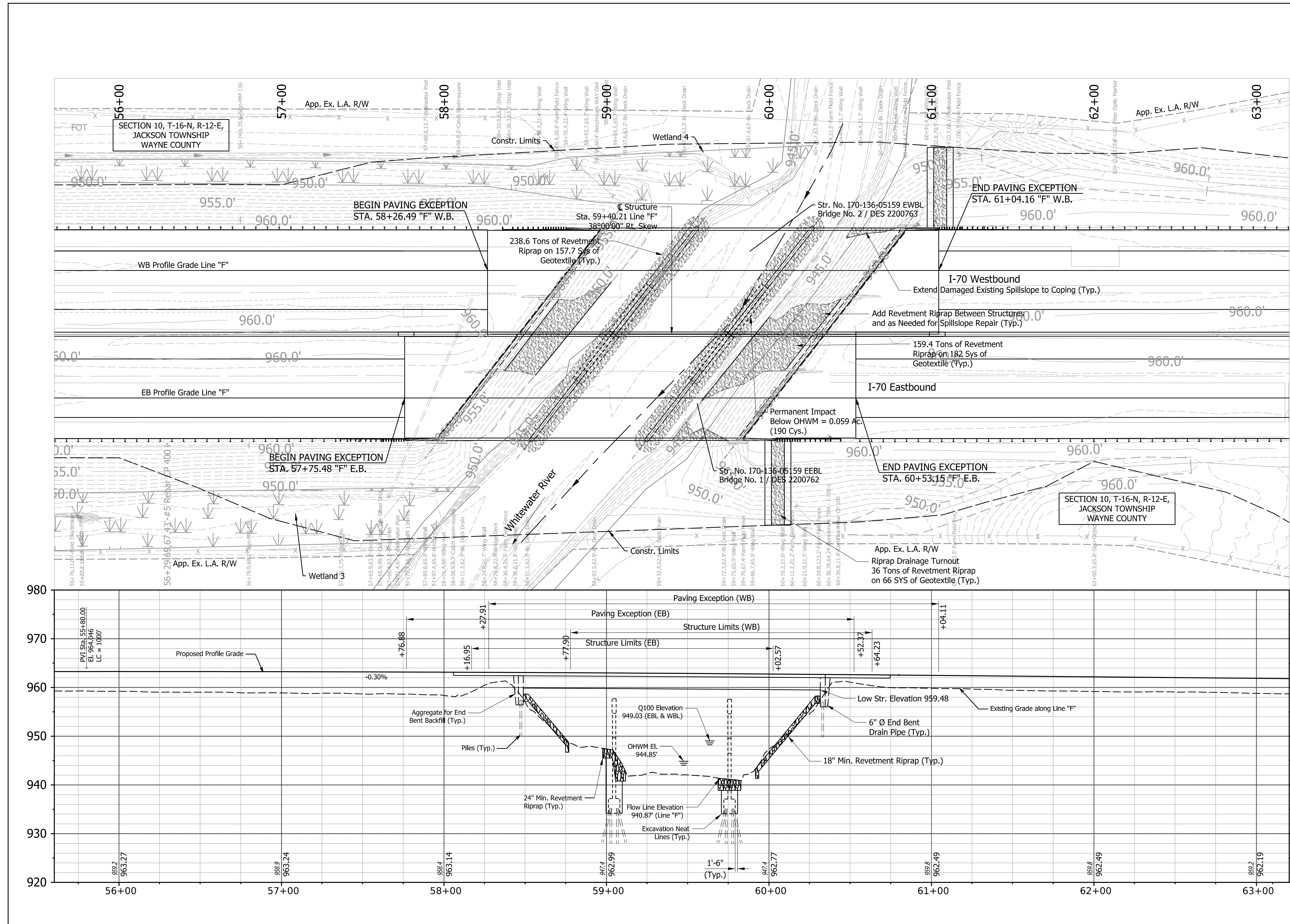
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
I-70
STA. 1120+00 TO STA. 1135+00

SCALE 1" = 50'	BRIDGE FILE
N/A	DESIGNATION 2002424
SURVEY BOOK	SHEETS of
CONTRACT R-43375	PROJECT 2002424

Plot: 6/16/2023 3:24 PM

pwr://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Plan_52.dgn



EXISTING STRUCTURE
 Existing structures 170-136-05159 DWBL & DEBL are composite continuous steel beam bridges built in 1965 with 3 spans at 56'-6", 71'-0", and 56'-6" with a 39'-1" clear roadway reinforced concrete deck. The superstructure and end bents will be removed.

HYDRAULIC SCOUR DATA*

Westbound Lanes:	
Q100 Discharge	= 3885 cfs
Q100 Elevation	= 949.03 ft
Velocity at Q100 (Max.)	= 4.7 ft/s
Scour Depth (Contraction)	= 0.21 ft
Scour Depth (Total)	= 5.10 ft
Eastbound Lanes:	
Q100 Discharge	= 3885 cfs
Q100 Elevation	= 949.03 ft
Velocity at Q100 (Max.)	= 4.7 ft/s
Scour Depth (Contraction)	= 0.21 ft
Scour Depth (Total)	= 5.10 ft

*Scour data taken from the 1998 Scour Memo

NOTES:
 For Guardrail Limits, Side Ditch Grades, Alignment References, Bench Marks and Utilities, See Road Plans, This Contract, Des. #2002424
 All Topo Referenced From Line "F" U.N.O.
 For Earthwork Refer to Lead Des. 2002424

**I-70 OVER WHITEWATER RIVER
 CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 3 Spans: 56'-6", 71'-0", 56'-6"
 38° Rt. Skew
 65'-7½" Clear Roadway
 Wayne County**

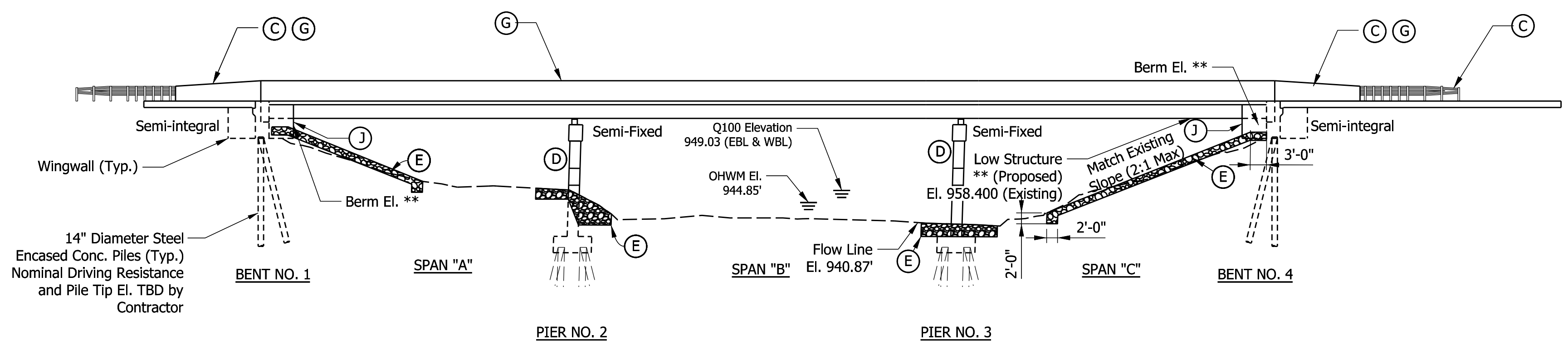
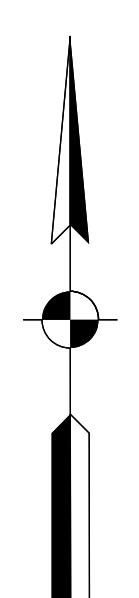
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: SMS DRAWN: SMS CHECKED: IP CHECKED: IP	INDIANA DEPARTMENT OF TRANSPORTATION LAYOUT	SCALE 1" = 30' VERTICAL SCALE 1" = 10'	BRIDGE FILE 170-136-05159 EEBL & EEBL DESIGNATION 2200762 & 2200763
		SURVEY BOOK CONTRACT R-43375	SHEETS PROJECT 2002424

File: c:\pw_working\indiana\parsons_epw26237\dms64596\LY-01.dgn
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Plot: 1/31/2023 2:51:31 PM

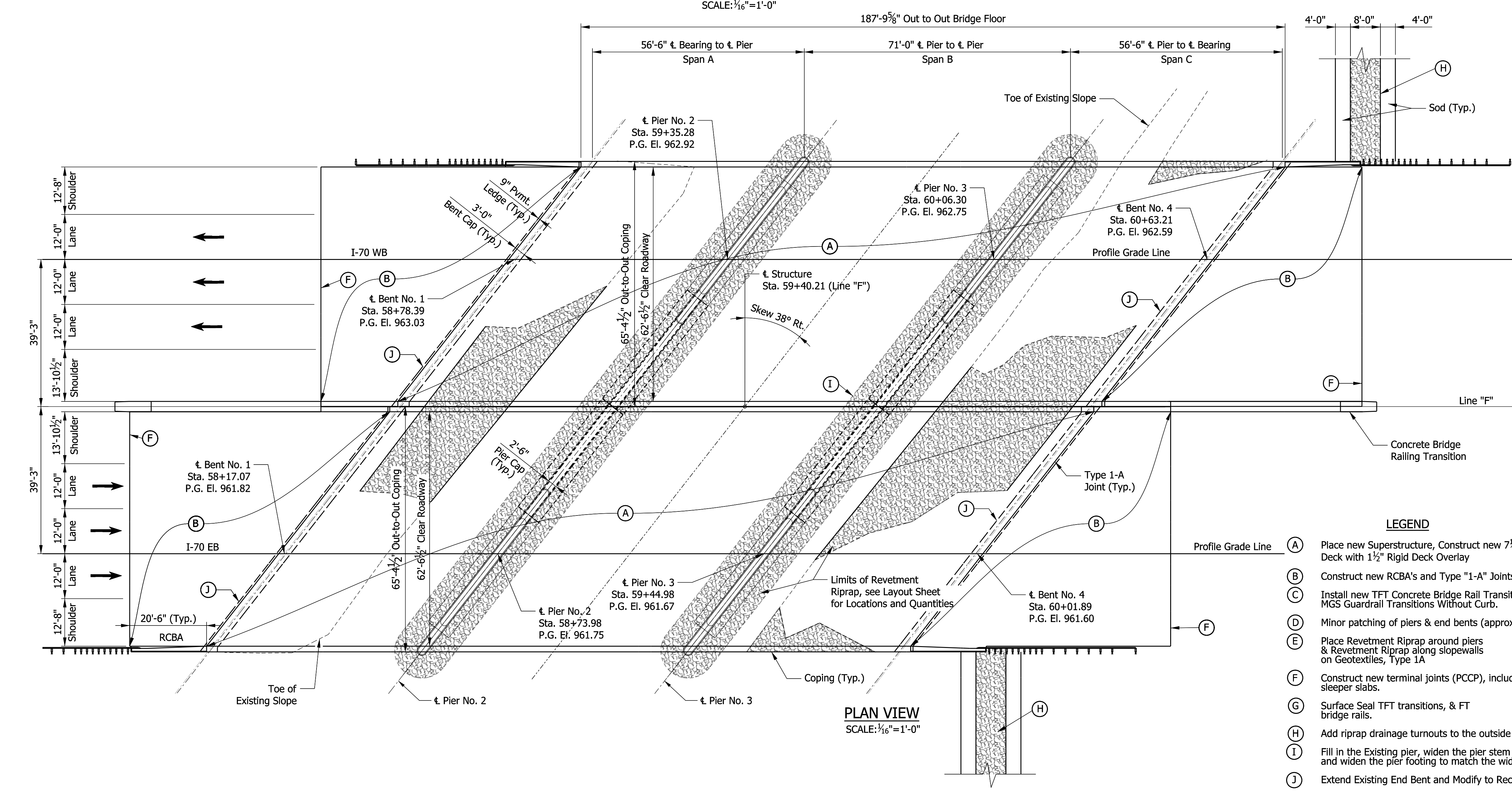
Sta. 55+80.00
+0.32% ▽ -0.30%

Structure to be Built on a 1000' Vertical Curve

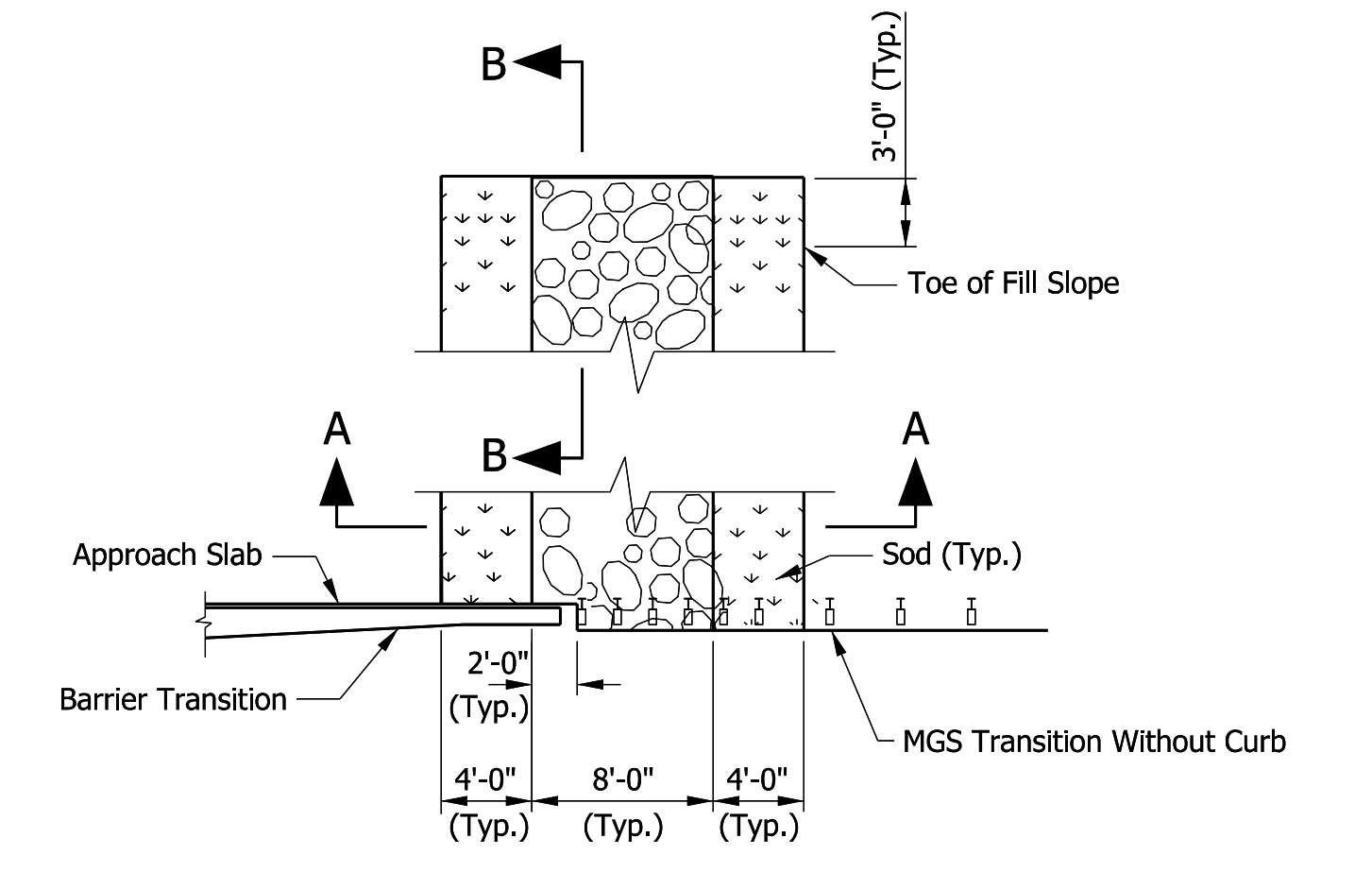


** To be determined at final design

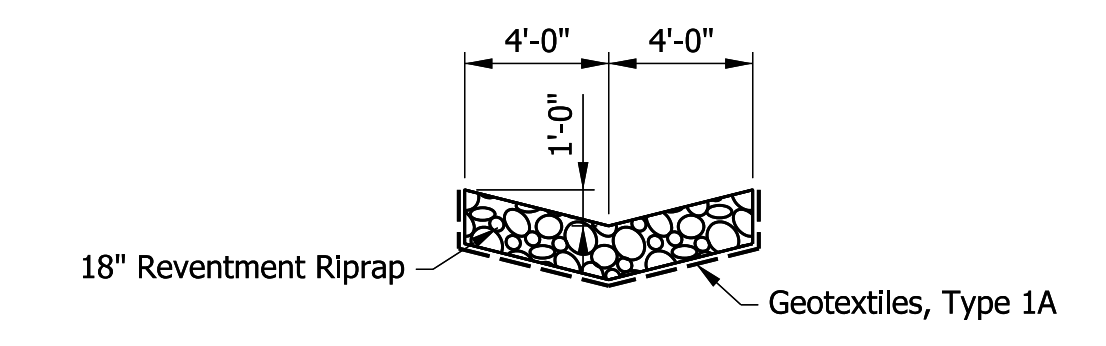
EB ELEVATION (WB Same)
SCALE: 1/16" = 1'-0"



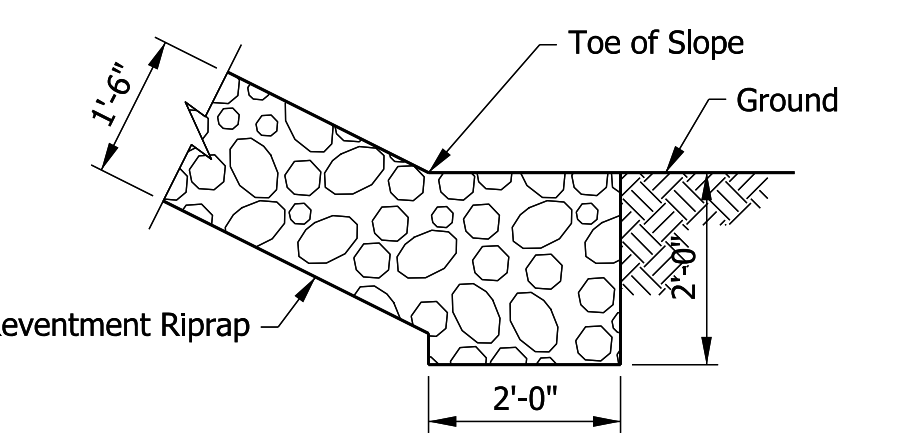
PLAN VIEW
SCALE: 1/16" = 1'-0"



RIPRAP DRAINAGE TURNOUT
TYPICAL PLAN
Not To Scale



SECTION A-A
Not To Scale



SECTION B-B
Not To Scale

- LEGEND**
- (A) Place new Superstructure, Construct new 7 1/2" Min. Bridge Deck with 1 1/2" Rigid Deck Overlay
 - (B) Construct new RCBA's and Type "1-A" Joints.
 - (C) Install new TFT Concrete Bridge Rail Transitions, MGS Guardrail Transitions Without Curb.
 - (D) Minor patching of piers & end bents (approx. 40 sft).
 - (E) Place Revetment Riprap around piers & Revetment Riprap along slopewalls on Geotextiles, Type 1A
 - (F) Construct new terminal joints (PCCP), including sleeper slabs.
 - (G) Surface Seal TFT transitions, & FT bridge rails.
 - (H) Add riprap drainage turnouts to the outside bridge quadrants.
 - (I) Fill in the Existing pier, widen the pier stem and cap, and widen the pier footing to match the widened superstructure.
 - (J) Extend Existing End Bent and Modify to Receive Superstructure.

I-70 OVER WHITEWATER RIVER
CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
3 Spans: 56'-6", 71'-0", 56'-6"
38° Rt. Skew
62'-6 1/2" Clear Roadway
Wayne County

Plot: 1/31/2023 2:51:37 PM

File: c:\pw_working\indiana\parsons_epw26237\dms64596\GP-02.dgn
Model: pw:/VANVA01PWINT01.parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/02 - B&N/CAD/Bridge/Whitewater River/CDS/GP-02

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TCG	DRAWN: TCG	
CHECKED: IP	CHECKED: IP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED GENERAL PLAN

SCALE	BRIDGE FILE
AS NOTED	170-136-05159 EEBL & EWBL
	DESIGNATION
	2200762 & 2200763
SURVEY BOOK	SHEETS
	6 of 9
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002426/2002434	2002426/2002434
CONTRACT	BRIDGE FILE
R-43375	170-136-05252 DEBL/DWBL

KIN DESIGNATION NUMBERS	
2002426	Bridge Replacement Str. No. 170-136-05252 DWBL
2002434	Bridge Replacement Str. No. 170-136-05252 DEBL

→ Bridge No. 3
→ Bridge No. 4

INDIANA DEPARTMENT OF TRANSPORTATION



BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-70 AT: RP 135+78

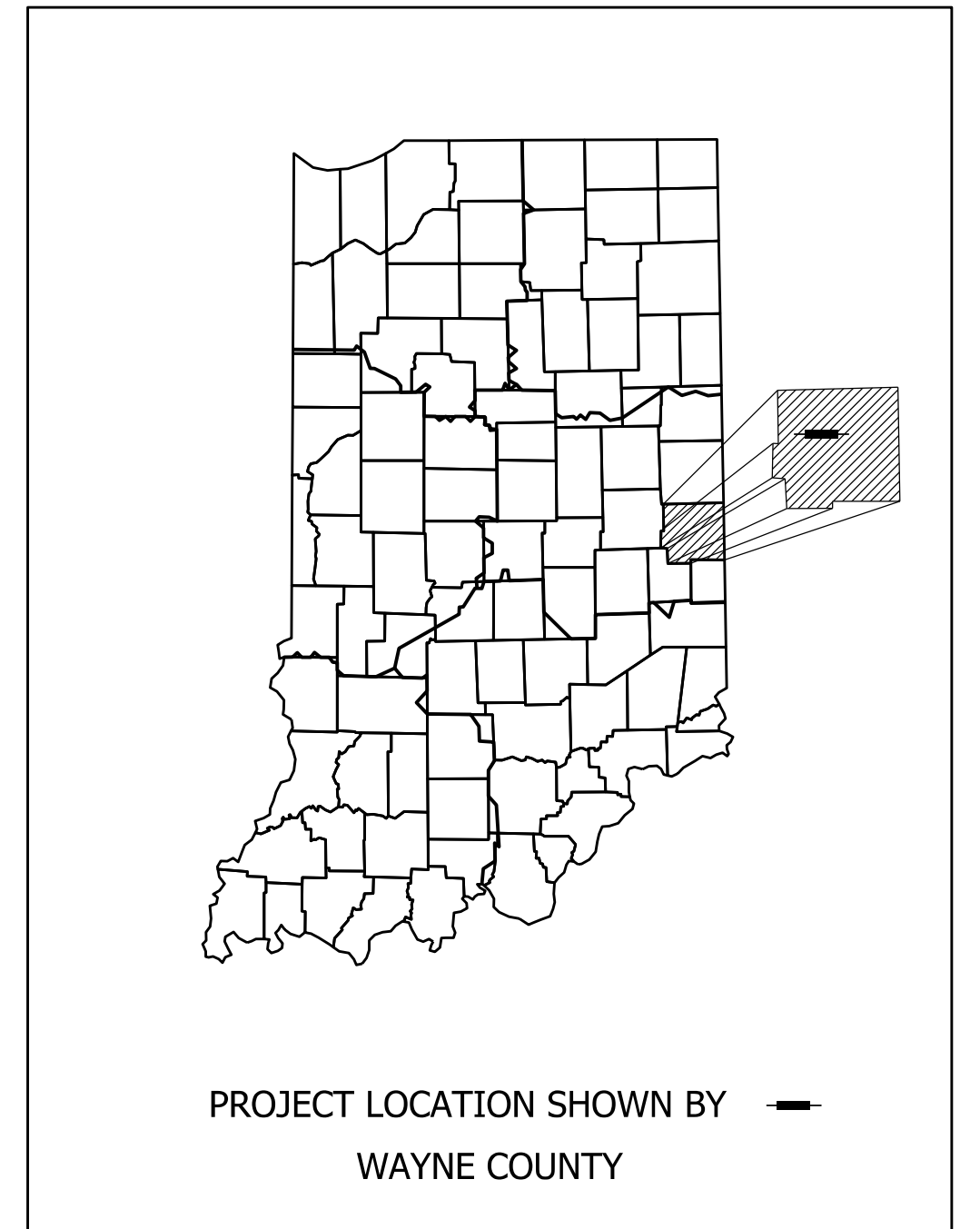
PROJECT NO. 2002426/2002434 P.E.

PROJECT NO. 2002426/2002434 C.E.

PROJECT NO. R/W

Bridge Rehabilitation of I-70 EB/WB over White River Overflow.
Located 1.14 Miles West of SR1
Section 10, T-16-N, R-12-E Jackson Township, Wayne County, Indiana.

TRAFFIC DATA	
A.A.D.T. (2024)	40,120 V.P.D.
A.A.D.T. (2044)	46,130 V.P.D.
D.H.V (2044)	3,690 V.P.H.
DIRECTIONAL DISTRIBUTION	53%
TRUCKS (2044)	8.0% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	70 M.P.H./POSTED 70 M.P.H.
PROJECT DESIGN CRITERIA	PARTIAL RECONSTRUCTION 4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	INTERSTATE
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL

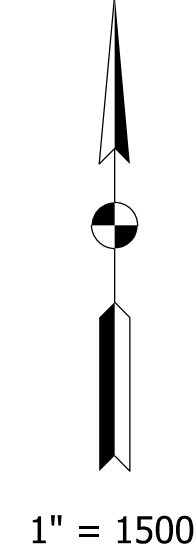
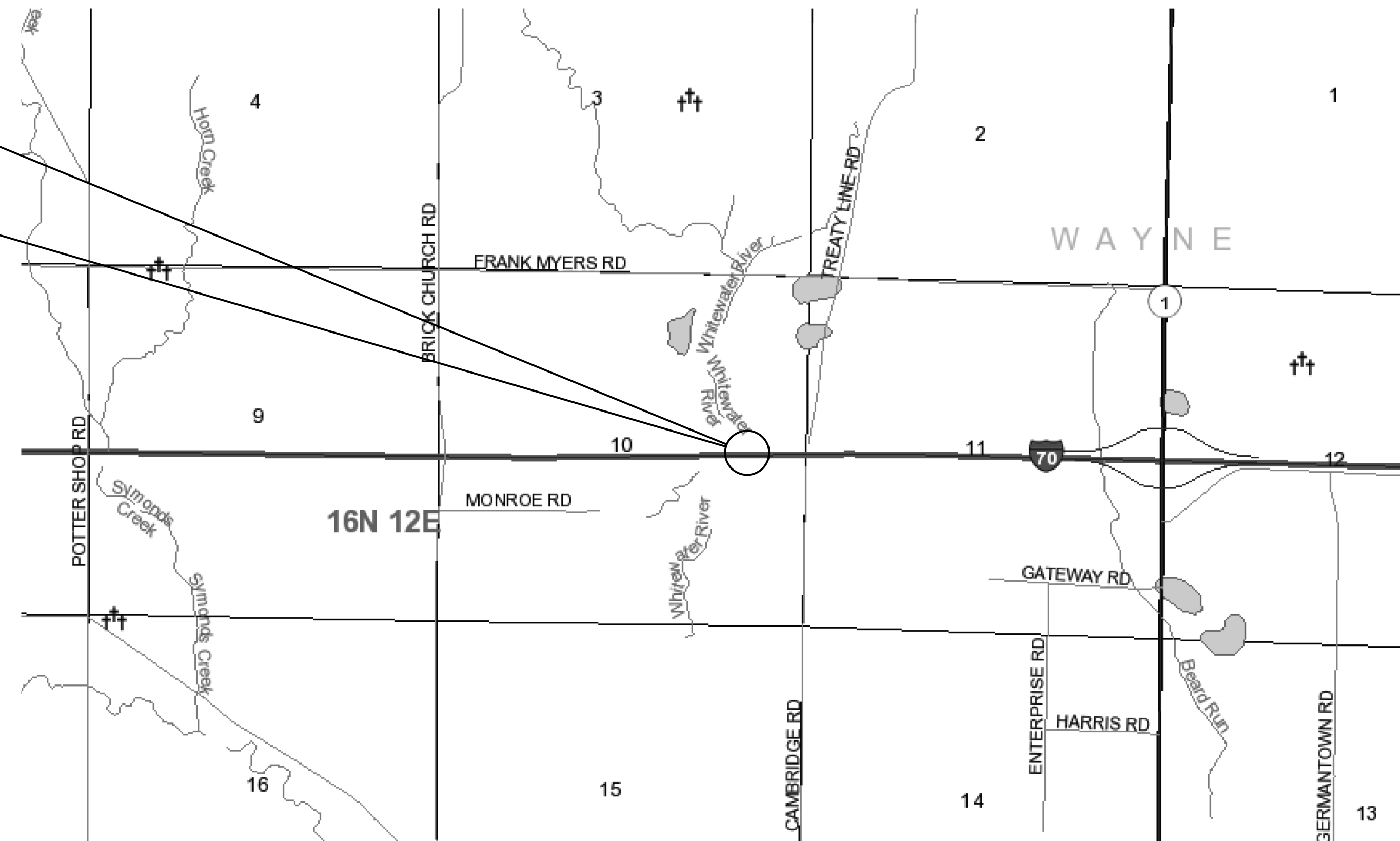


LATITUDE: 39° 51' 12.00"N LONGITUDE: 85° 09' 57.00"W

HUC No. See Roadway Plans Des. NO. 2002424

BRIDGE LENGTH: 0.037 MI.
ROADWAY LENGTH: See Roadway Plans Des. No. 2002424
PROJECT LENGTH: See Roadway Plans Des. No. 2002424
MAX. GRADE: See Roadway Plans Des. No. 2002424

PROJECT LOCATION
STRUCTURE 170-136-05252 DEBL/DWBL
STA. 66+99.78 Line "F"



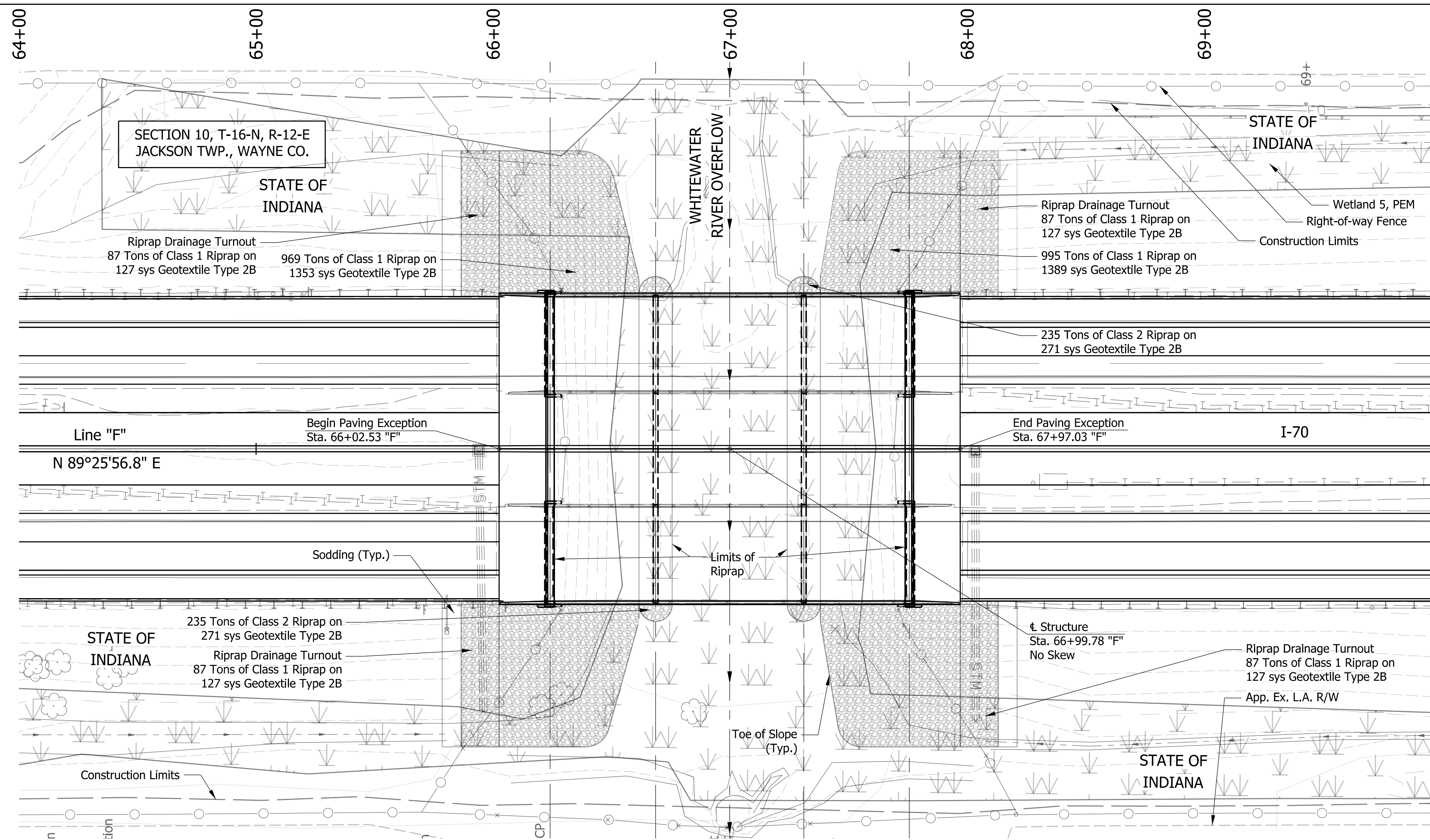
LOCATION MAP
WAYNE COUNTY
JACKSON TOWNSHIP

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



PLANS PREPARED BY:	CHA Consulting, Inc.	317.786.0461
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
170-136-05252D	
DESIGNATION	
2002426/2002434	
SURVEY BOOK	
ELECTRONIC	
1	of 8
CONTRACT	
PROJECT	
R-43375	2002426/2002434



SITUATION PLAN

EXISTING STRUCTURE

The existing twin bridge structures are Reinforced Concrete Girder Bridges built in 1965 under contract B-6731 (Str. Nos. 043320 and 043330 for EB and WB respectively). They were overlaid in 1983 and concrete barriers were added under contract B-13921. They were re-overlaid in 1995 under contract R-21201. The existing superstructure is to be replaced and the twin bridges are to be widened, with barriers and an open joint separating the shoulders of the EB and WB lanes. Substructure units will also be widened to support the portion of the superstructure between the existing twin bridges.

HYDRAULIC DATA

Drainage Area =	65.4	SQ MILES
Q 100 Discharge =	959	CFS
Q 100 Elevation =	947.8	FT
Skew =	0	DEGREES

SCOUR DATA

Q 100 Discharge	959	CFS
Q 100 Contraction Scour =	3.6	FT
Q 100 Total Scour =	10.5	FT
Q 100 Low Scour Elevation (Existing WB bridge) =	932.36	FT
Q 100 Low Scour Elevation (Existing EB bridge) =	935.52	FT
Q 100 Max Velocity =	7.4	FT / SEC
Q 100 Average Velocity =	6.7	FT / SEC
Flowline Elevation (Existing WB bridge) =	942.86	FT
Flowline Elevation (Existing EB bridge) =	946.02	FT

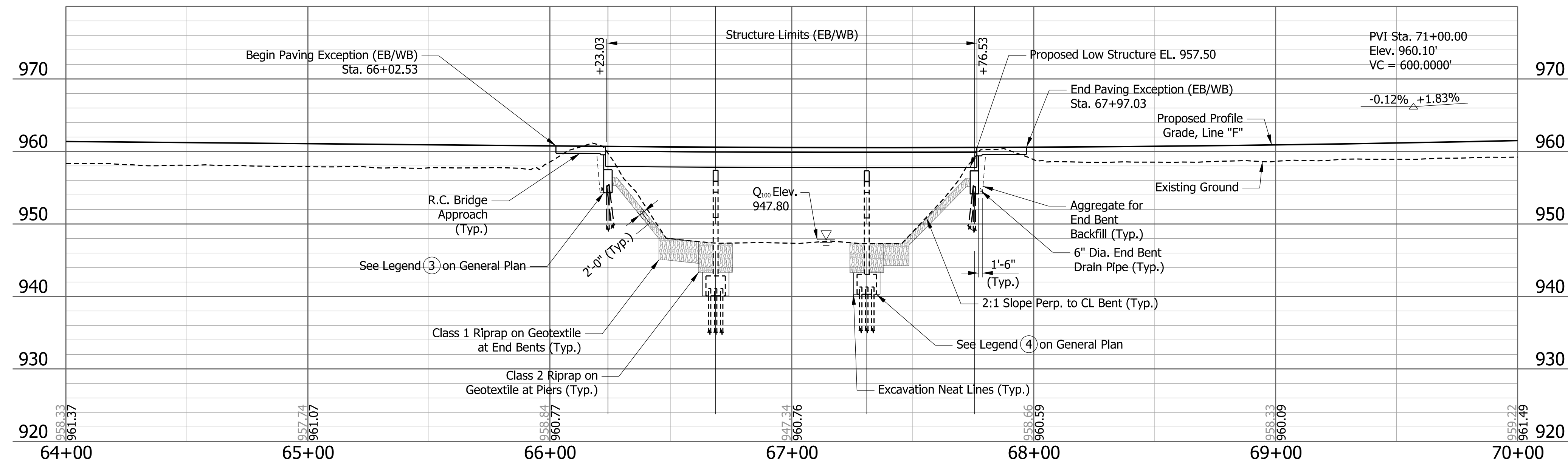
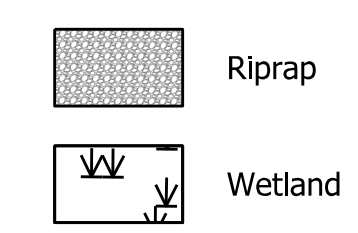
UTILITIES

See Index, Sheet 2.

NOTES

- All Topo based on Line "F" unless noted otherwise.
- See Roadway Plans For Utilities, Bench Marks, Ditches, guardrail limits, earthwork and MOT, Des. 2002424.

LEGEND



CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 3 SPANS: 44'-6", 62'-6", 44'-6"
 CLEAR ROADWAY: 62'-10 1/2" EB, 62'-10 1/2" WB
 SKEW: SQUARE
 I-70 OVER WHITEWATER RIVER OVERFLOW
 WAYNE COUNTY

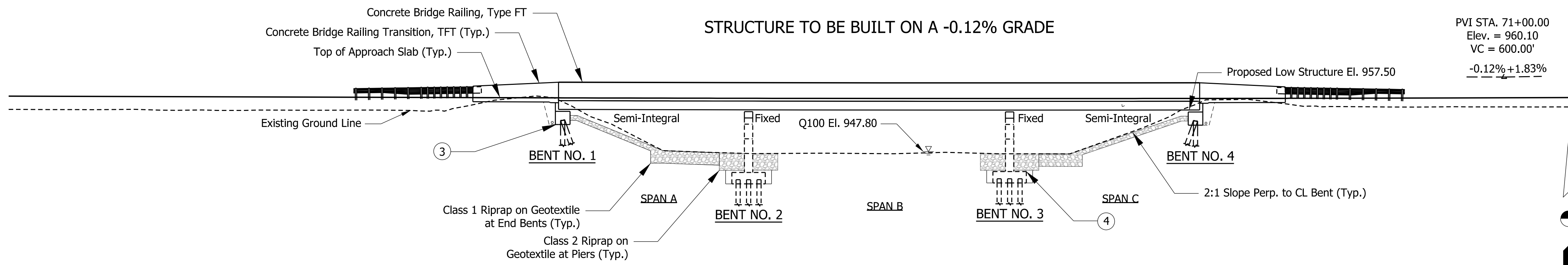
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 DATE PLOTTED: 2/1/2023
 TIME PLOTTED: 10:06:35 AM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: VS	DRAWN: VS	
CHECKED: CECH	CHECKED: CECH	

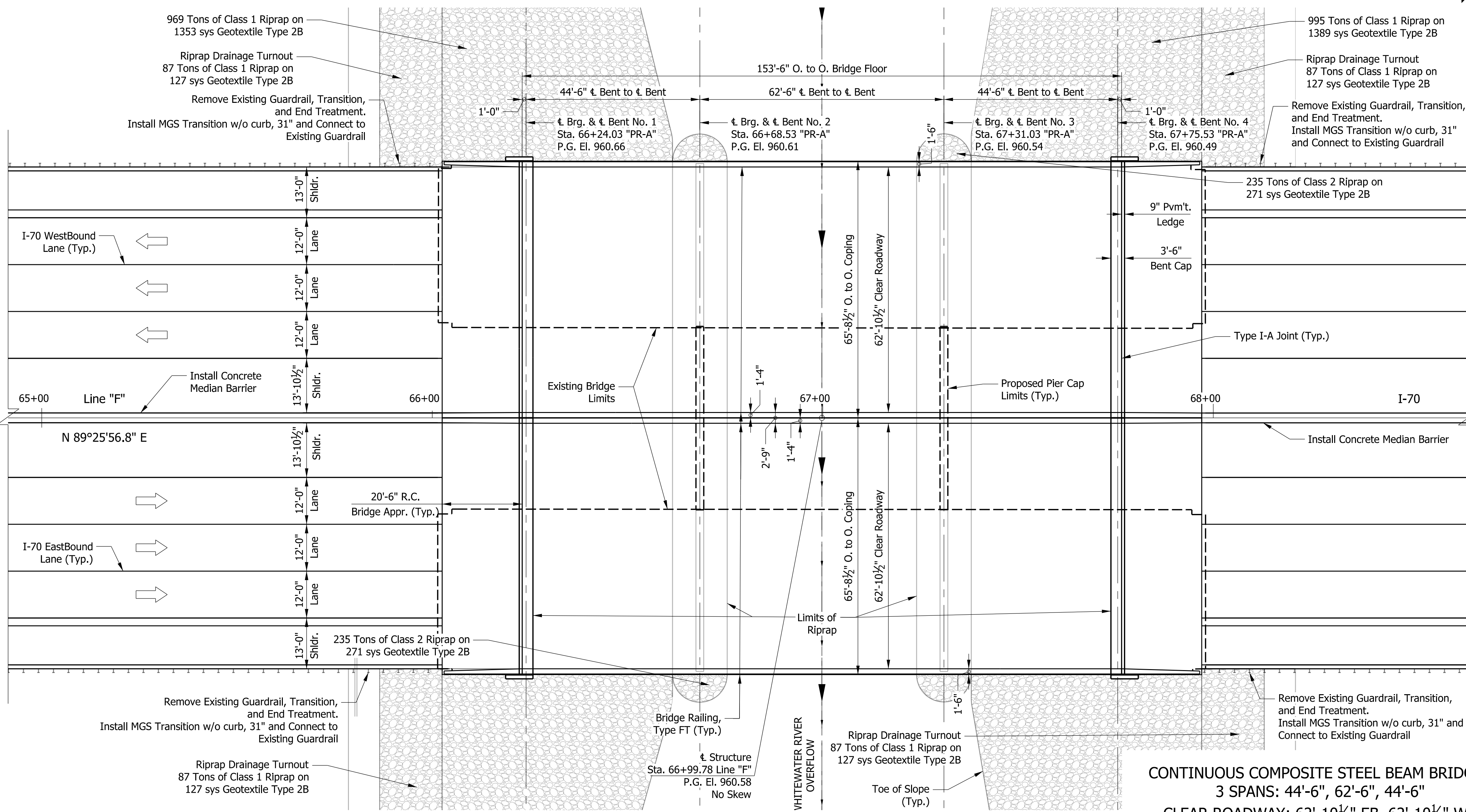
INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE I70-136-05252D
VERTICAL SCALE 1" = 10'	DESIGNATION 2002426/2002434
SURVEY BOOK ELECTRONIC	SHEET 4 of 8
CONTRACT R-43375	PROJECT 2002426/2002434

PATH AND FILENAME: \\cra-llp.com\proj\Projects\ANY\6068590.000\09_Design\Drawings\T_Struct\Projectwise_01_16_2023\General Plan\General Plan - Whitewater River Overflow.dgn
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 DATE PLOTTED: 2/1/2023
 TIME PLOTTED: 9:50:09 AM



ELEVATION



PLAN

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 3 SPANS: 44'-6", 62'-6", 44'-6"
 CLEAR ROADWAY: 62'-10 1/2" EB, 62'-10 1/2" WB
 SKEW: SQUARE
 I-70 OVER WHITEWATER RIVER OVERFLOW
 WAYNE COUNTY

GENERAL NOTES

Reinforcing steel covering shall be 2 1/2" Min. in top and 1" Min. in bottom of bridge deck, 3" in footings except bottom steel which shall be 4", and 2" in all other parts unless noted.

Surface seal exposed Faces of Pier, End Bents, Wingwalls, Concrete Barrier Railing and Railing Transitions. stimated Quantity = XX SFT

Reinforcing steel in floor slab, bridge rail, approach slabs and end bents shall be epoxy coated.

Superstructure designed for HL-93 loading in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition.
 Substructure designed for HS 20-44 loading in accordance with the AASHTO Standard Specifications for Highway Bridges, 17th Edition, 2002.

DESIGN DATA

DEAD LOAD
 Actual weight plus 35 lb/ft² for future wearing surface and 15 lb/ft² for permanent metal deck forms.

FLOOR SLAB
 Designed with a 7 1/2" structural depth plus 1 1/2" concrete overlay.

DESIGN STRESSES

CONCRETE	REINFORCING STEEL
Class "B" f _c = 3,000 psi	Grade 60 f _y = 60,000 psi
Class "C" f _c = 4,000 psi	STRUCTURAL STEEL
Class "A" f _c = 3,500 psi	ASTM A709 Grade 50W f _y = 50,000 psi

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

DECK FALSEWORK LOADS
 Designed for 15 lb/ft² for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD
 Designed for 20 lb/ft² extending 2 ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30 ft. length of the deck centered with the finishing machine.

FINISHING-MACHINELOAD
 4500 lb distributed over 10 ft. along the coping.

WIND LOAD
 Designed for 70 mph horizontal wind loading in accordance with AASHTO Guide LRFD 3.8.1.

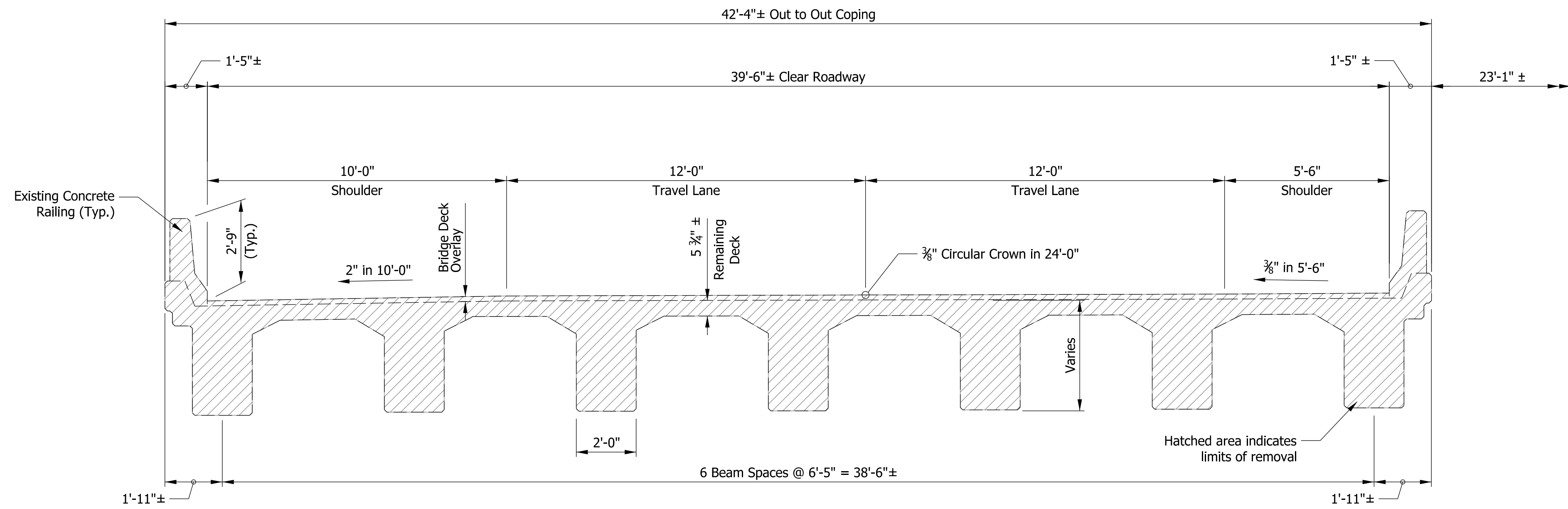
SEISMIC DESIGN DATA

SD1	TBD
Seismic Performance Zone	TBD
Acceleration Coefficient	TBD
Seismic Soil Profile Type	TBD

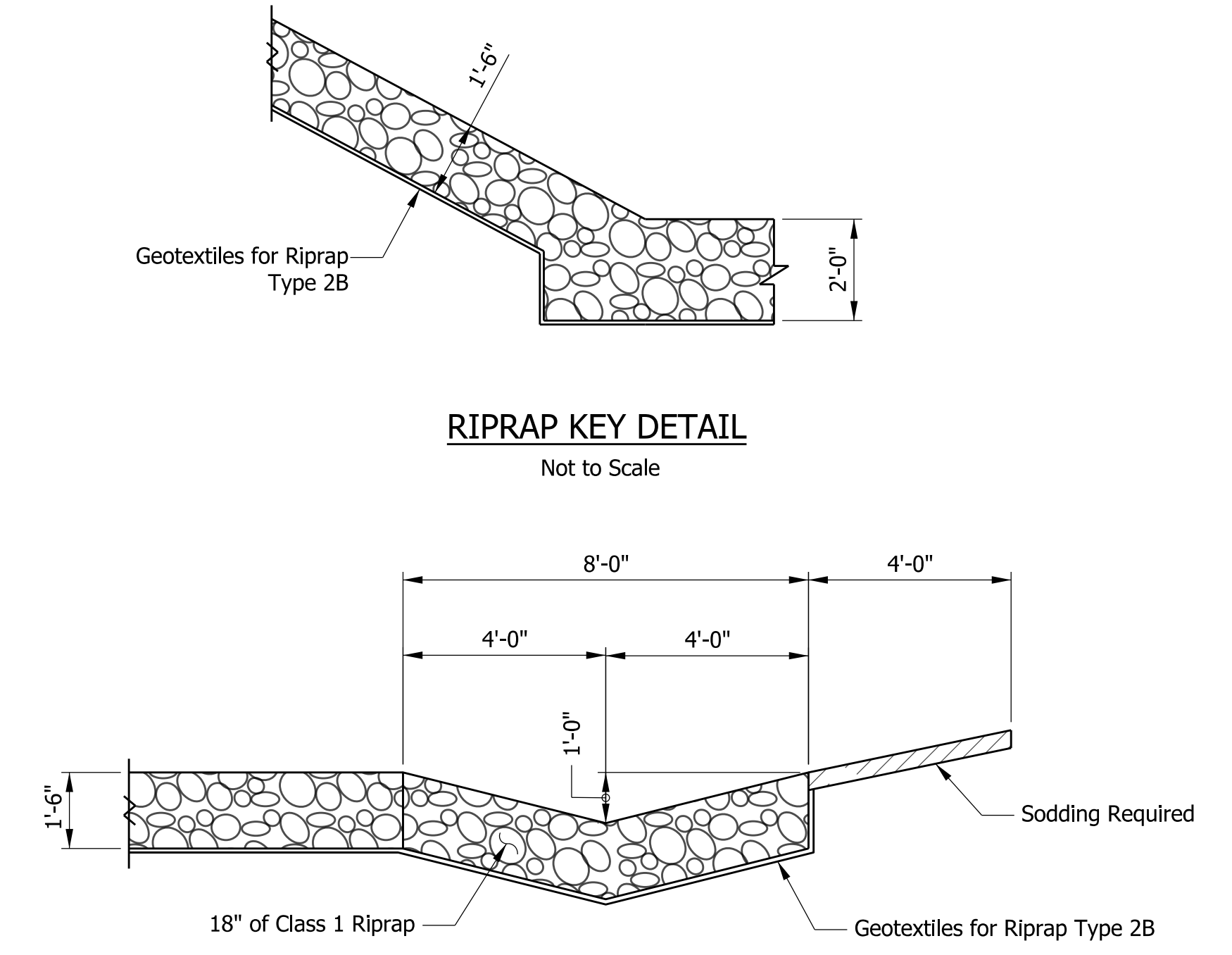
- LEGEND**
- Remove the Existing Superstructure and Construct New Full Width 7 1/2" Min. Concrete Deck.
 - Construct New Full Width Concrete Bridge Approach with Concrete Bridge Railing Type FT or Transitions Type TFT.
 - Construct New End Bent with Existing Piles, Add New Piles between Existing Piles as needed, Widen End Bent between Existing Twin Bridges and Add New Piles (typ.).
 - Use existing Pier and Piles, Widen Pier between Existing Twin Bridges and Add New Piles (typ.). Construct New End Bent Cap and Turned Back Wingwalls.
 - Place Riprap on Spillslopes between WBL & EBL and at Piers.
 - Place New 1 3/4" Min. Rigid Deck Overlay.

RECOMMENDED FOR APPROVAL	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
	DESIGN ENGINEER _____ DATE _____		1/16" = 1'-0"	I70-136-05252D
DESIGNED: VS	DRAWN: VS	GENERAL PLAN	VERTICAL SCALE	DESIGNATION
CHECKED: CECH	CHECKED: CECH		1/16" = 1'-0"	2002426/2002434
			SURVEY BOOK	SHEET
			ELECTRONIC	5 of 8
			CONTRACT	PROJECT
			R-43375	2002426/2002434

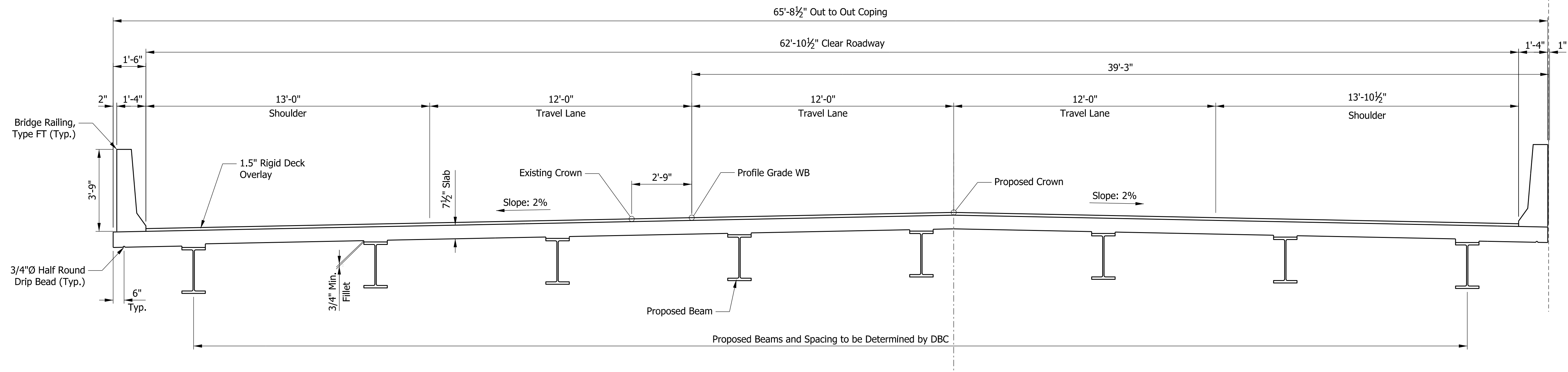
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 MODEL NAME: Sheet
 DATE PLOTTED: 1/31/2023
 TIME PLOTTED: 5:48:48 PM



EXISTING TYPICAL SECTION



DRAINAGE TURNOUT SECTION



PROPOSED WB TYPICAL SECTION

Scale: 3/8" = 1'-0"
 (WB shown, EB typical opposite hand)

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 3 SPANS: 44'-6", 62'-6", 44'-6"
 CLEAR ROADWAY: 62'-10 1/2" EB, 62'-10 1/2" WB
 SKEW: SQUARE
 I-70 OVER WHITEWATER RIVER OVERFLOW
 WAYNE COUNTY

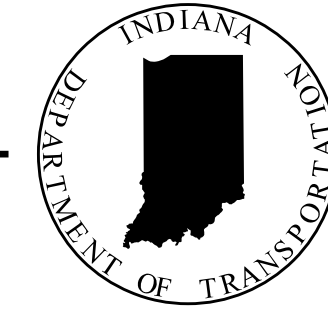
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: UL	DRAWN: UL	
CHECKED: CECH	CHECKED: CECH	

INDIANA DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN	

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I70-136-0525D
VERTICAL SCALE	DESIGNATION
N/A	2002426/2002434
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 8
CONTRACT	PROJECT
R-43375	2002426/2002434

PROJECT	DESIGNATION
2002567 & 2002427	2002567 & 2002427
CONTRACT	BRIDGE FILE
R-43375	170-137-04969 EEBL & EWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
170-137-04969 EWBL	Composite Continuous Steel Beam Bridge	3 SPANS 68'-0", 82' 0" & 68'-0" Skew 7° 30' Rt.	MARTINDALE CREEK	154+07.94 Line "F"
170-137-04969 EEBL	Composite Continuous Steel Beam Bridge	3 SPANS 68'-0", 82' 0" & 68'-0" Skew 7° 30' Rt.	MARTINDALE CREEK	154+07.94 Line "F"

Bridge No. 6

Bridge No. 7

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-70 AT: RP 137+86

PROJECT NO. 2002567 & 2002427 P.E.

NO ADDITIONAL RIGHT OF WAY
REQUIRED FOR THIS PROJECT

R/W

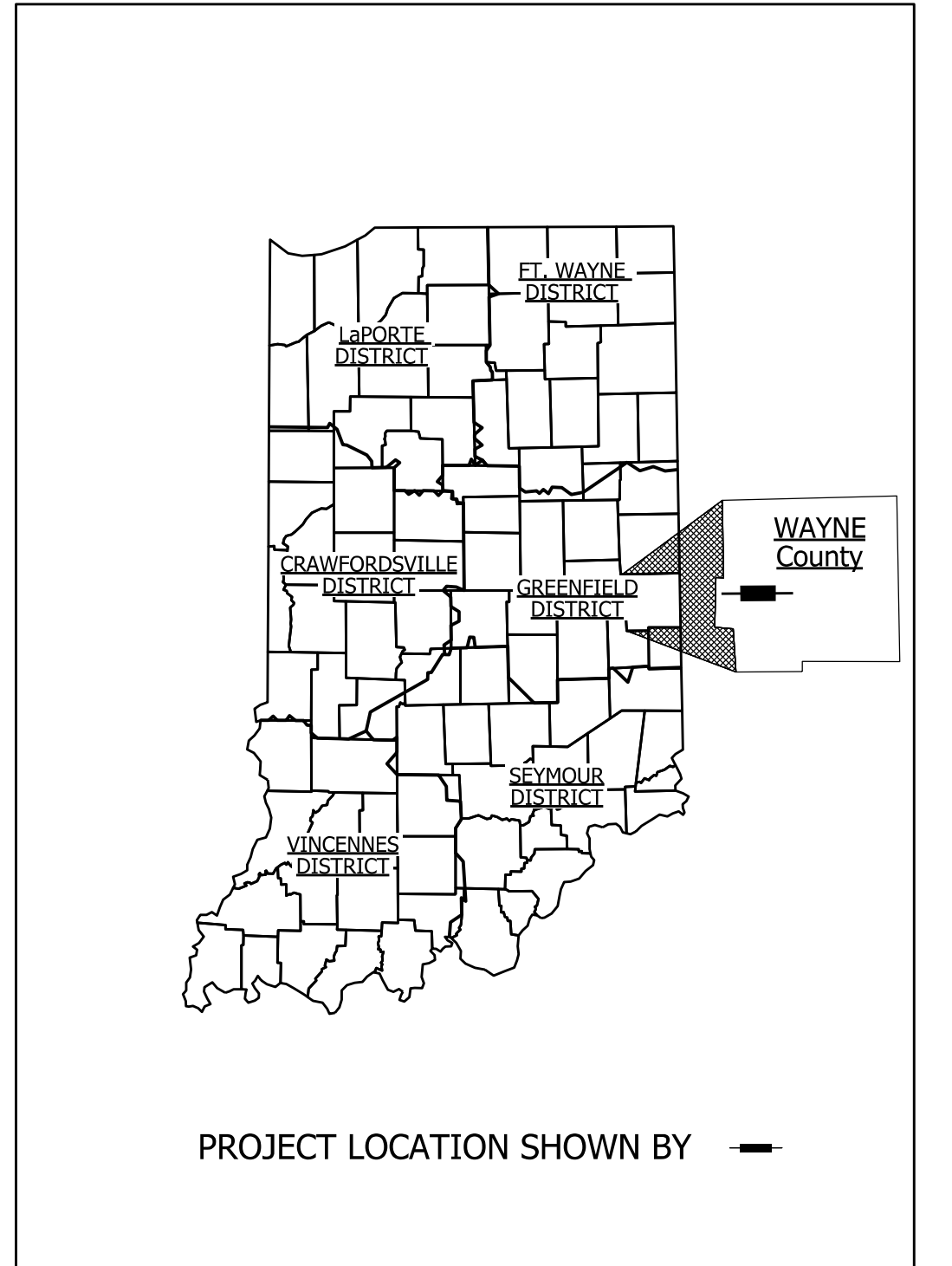
2002424 CONST.

KIN Project Information		
Designation	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E FK Whitewater River	Bridge
2002456	I70 WB over E FK/E FK Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

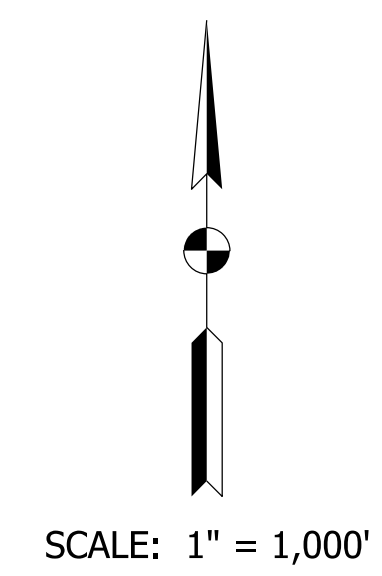
THIN DECK OVERLAY AND BRIDGE WIDENING ON I-70 OVER MARTINDALE CREEK APPROXIMATELY 0.49 MILES EAST OF SR 1 IN SECTION 12, T-16-N, R-12-E, HARRISON TOWNSHIP, WAYNE COUNTY, INDIANA



TRAFFIC DATA	
See Roadway Plans, Lead Des. No. 2002424	
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	INTERSTATE
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



LATITUDE: 39° 51' 10.66" N	LONGITUDE: 85° 8' 5.50" W
BRIDGE LENGTH: 0.041 MI.	ROADWAY LENGTH: See Plans Des. No. 2002424 MI.
TOTAL LENGTH: See Plans Des. No. 2002424 MI.	MAX. GRADE: -0.27% %
HUC_12 050800030107	



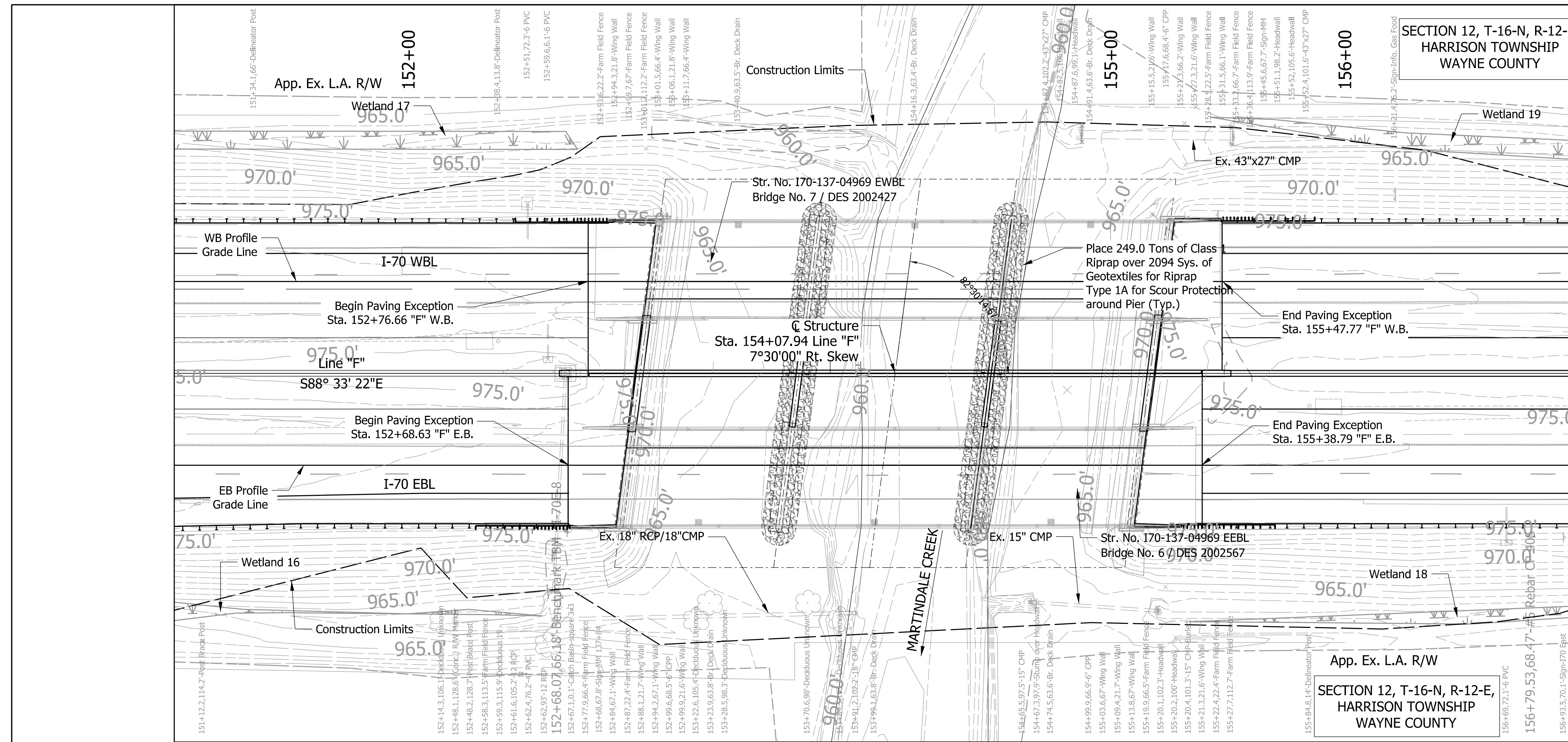
NOTE TO REVIEWER: The cross-slope on the bridges at the western 3 miles of the project is based on a shift of 14.75' right compared to existing. The majority of the project will be shifted 2.75' right.

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2022 TO BE USED WITH THESE PLANS	
BRIDGE FILE	
170-137-04969 EEBL & EWBL	
DESIGNATION	
2002567 & 2002427	
SHEETS	
1	of 9
CONTRACT	PROJECT
R-43375	2002424

PLANS PREPARED BY:	BURGESS & NIPL, INC.	(317) 237-2760
		PHONE NUMBER
CERTIFIED BY:		DATE
RECOMMENDED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BURGESS & NIPL, INC.
251 N. ILLINOIS ST.
CAPITOL CENTER SUITE 920
INDIANAPOLIS, IN 46221
PHONE (317) 237-2760
FAX (317) 237-2755

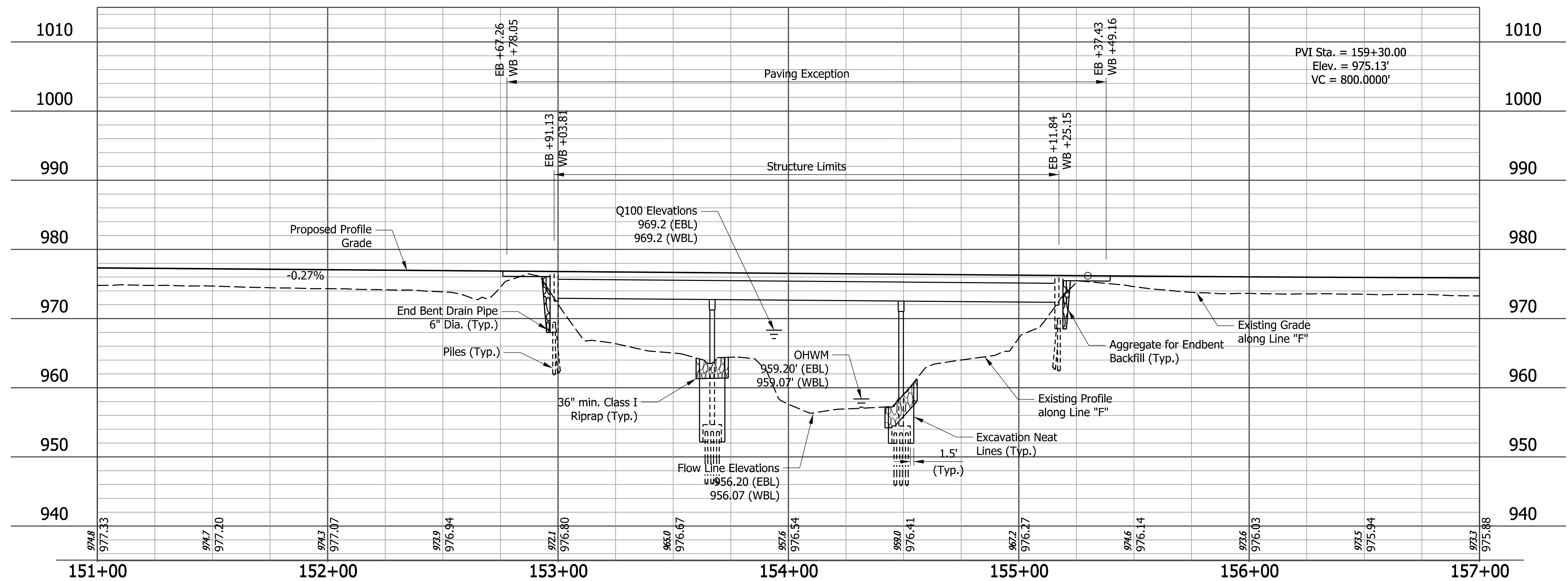
1/31/2023
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File: XXXX



EXISTING STRUCTURE
 The existing structure 170-137-04969 DEBL & 170-137-04969 DWBL is a 3 span composite steel girder bridge built in 1962. The spans are 68'-0", 82'-0", and 68'-0" with a 40'-5" clear roadway and a reinforced concrete deck. The existing structure is to receive a new thin deck overlay and be widened.

HYDRAULIC SCOUR DATA

Westbound Lanes:	
Q100 Discharge	=7,600 cfs.
Drainage Area	=55.2 sq. mi.
Flowline Elevation	=956.07 ft
Q100 Elevation	=969.2 ft
Velocity at Q100 (Max.)	=8.60 ft/s
Velocity at Q100 (Avg.)	=5.90 ft/s
Scour Depth (Contraction)	=5.52 ft
Scour Depth (Total)	=12.88 ft
Low Scour Elevation	=943.19 ft
Eastbound Lanes:	
Q100 Discharge	=7,600 cfs.
Drainage Area	=55.2 sq. mi.
Flowline Elevation	=956.20 ft
Q100 Elevation	=969.2 ft
Velocity at Q100 (Max.)	=8.60 ft/s
Velocity at Q100 (Avg.)	=5.90 ft/s
Scour Depth (Contraction)	=5.52 ft
Scour Depth (Total)	=12.88 ft
Low Scour Elevation	=943.32 ft



NOTES:
 For Guardrail Limits, Side Ditch Grades, Alignment References, Bench Marks, Earthwork, and Utilities, See Road Plans, This Contract, Des. No. 2002424
 All Topo Referenced From Line "F" U.N.O.

**I-70 OVER MARTINDALE CREEK
 COMPOSITE CONTINUOUS STEEL BEAM BRIDGES**
 3 SPANS: 68'-0", 82'-0", 68'-0"
 SKEW: 7°30'00" Rt.
 CLEAR ROADWAYS: 62'-10³/₈" (WB), 63'-2¹/₈" (EB)
 WAYNE COUNTY

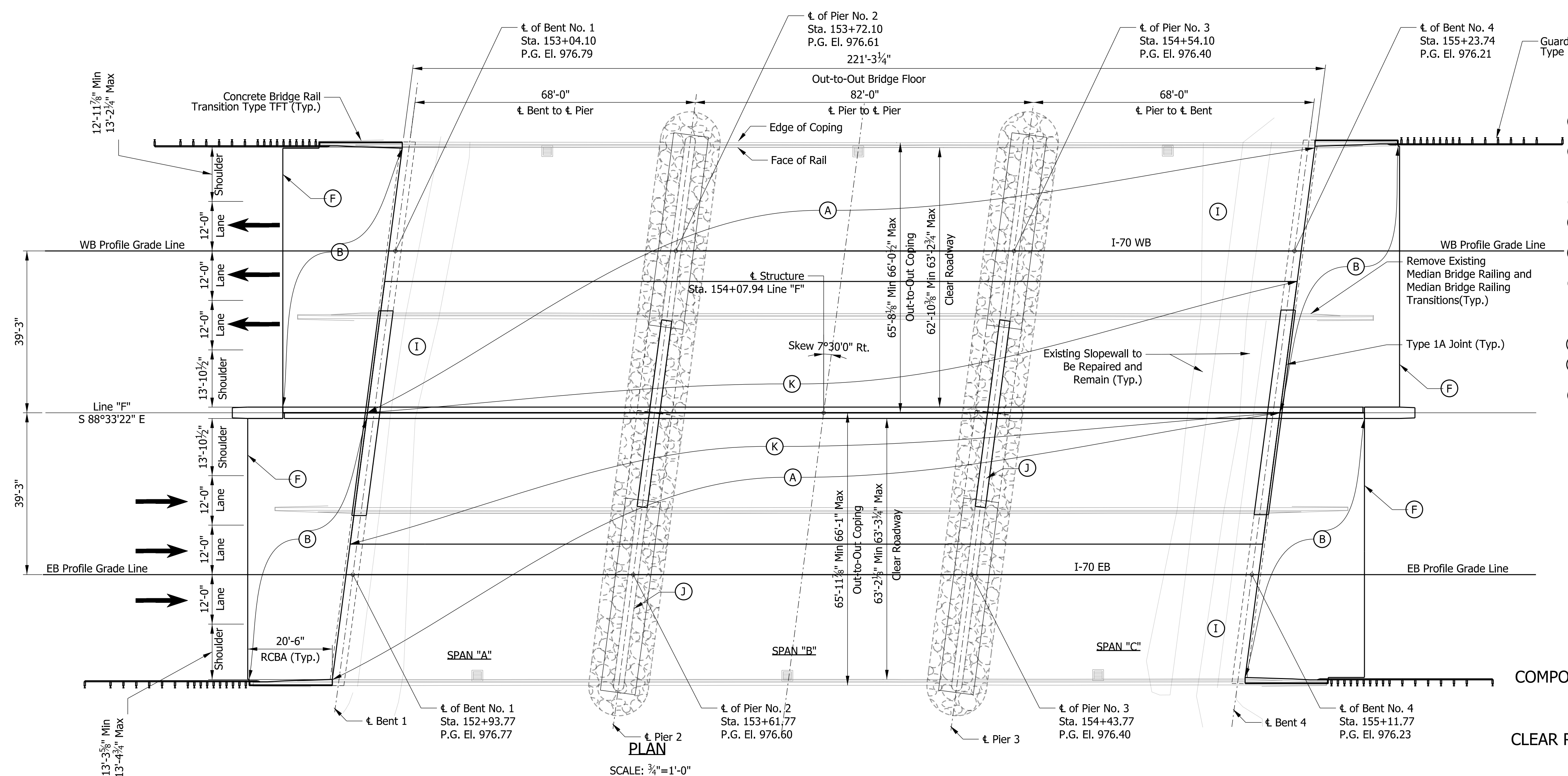
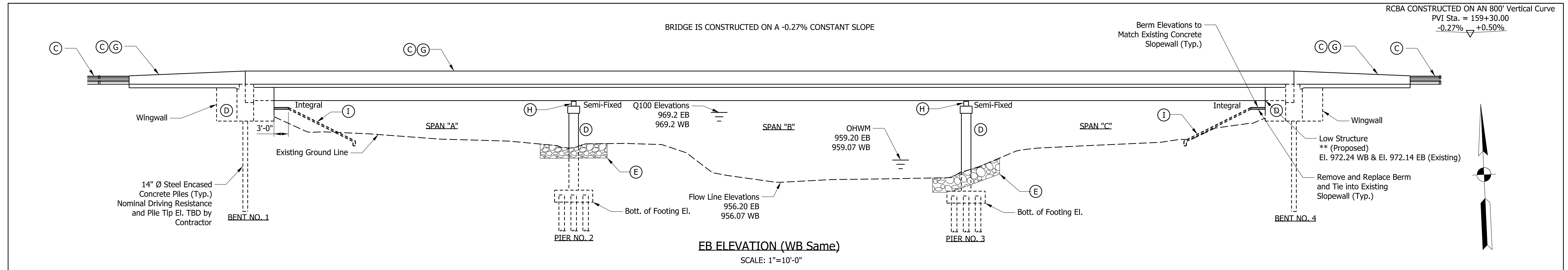
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 Model: pw://VANVA01PWINT01.parsons.com:Indiana State/Documents/170 Pavement Replacement/10 - Design/02 - B&N/CAD/Bridge/Martindale Creek/CDS/LY-01

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMS	DRAWN: REW	
CHECKED: IP	CHECKED: IP	

INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	170-137-04969 EEBL & EWBL
VERTICAL SCALE	DESIGNATION
1" = 10'	2002567 & 2002427
SURVEY BOOK	SHEETS
	4 of 9
CONTRACT	PROJECT
R-43375	2002424



- LEGEND**
- (A) Remove existing Thin Deck Overlay and Construct New Polymeric Thin Bridge Deck Overlay.
 - (B) Construct new RCBA's and Type "1-A" Joints.
 - (C) Install new TFT Concrete Bridge Rail Transitions, MGS w/o Curb Guardrail Transitions
 - (D) Minor patching of Existing Piers & End Bents (approx. 150 sft).
 - (E) Place Class 1 Riprap around piers (approx. 698 tons) on Geotextiles, Type 1A (approx. 465 sys)
 - (F) Construct new terminal joints (PCCP), including sleeper slabs.
 - (G) Surface Seal TFT transitions, & FT bridge rails.
 - (H) Remove Fixed and Rocker Bearings and Replace with Elastomeric Bearing Pads
 - (I) Clean and repair existing slopewalls using flowable backfill.
 - (J) Fill in the Existing pier, widen the pier stem and cap, and widen the pier footing to match the widened superstructure.
 - (K) Widen Existing Bridge Deck from Cut Line (TBD) from Profile Grade Line

I-70 OVER MARTINDALE CREEK
COMPOSITE CONTINUOUS STEEL BEAM BRIDGES
 3 SPANS: 68'-0", 82'-0", 68'-0"
 SKEW: 7°30'00" Rt.
 CLEAR ROADWAYS: 62'-10³/₈" (WB), 63'-2¹/₈" (EB)
 Wayne County

Plot: 1/31/2023 4:25:50 PM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TCG	DRAWN: TCG	
CHECKED: IP	CHECKED: IP	

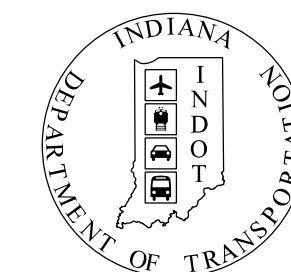
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN - PROPOSED

SCALE	BRIDGE FILE
AS NOTED	170-137-04969 EEBL & EWBL
	DESIGNATION
	2002567 & 2002427
SURVEY BOOK	SHEETS
	6 of 9
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002424	2002428 & 2002429
CONTRACT	BRIDGE FILE
R-43375	I70-139-04970 DEBL & DWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-139-04970 DEBL	Continuous Composite Steel Beam Bridge	3 SPANS: 32' 6", 39' 0", & 32' 6" Skew 5° 50' Rt.	JACKSONBURG RD.	236+26.98 Line "F"
I70-139-04970 DWBL	Continuous Composite Steel Beam Bridge	3 SPANS: 32' 6", 39' 0", & 32' 6" Skew 5° 50' Rt.	JACKSONBURG RD.	263+26.98 Line "F"

Bridge No. 8

Bridge No. 9

KIN Project Information		
Designation	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E FK Whitewater River	Bridge
2002456	I70 WB over E FK/E FK Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

BRIDGE PLANS

FOR SPANS OVER 20 FEET

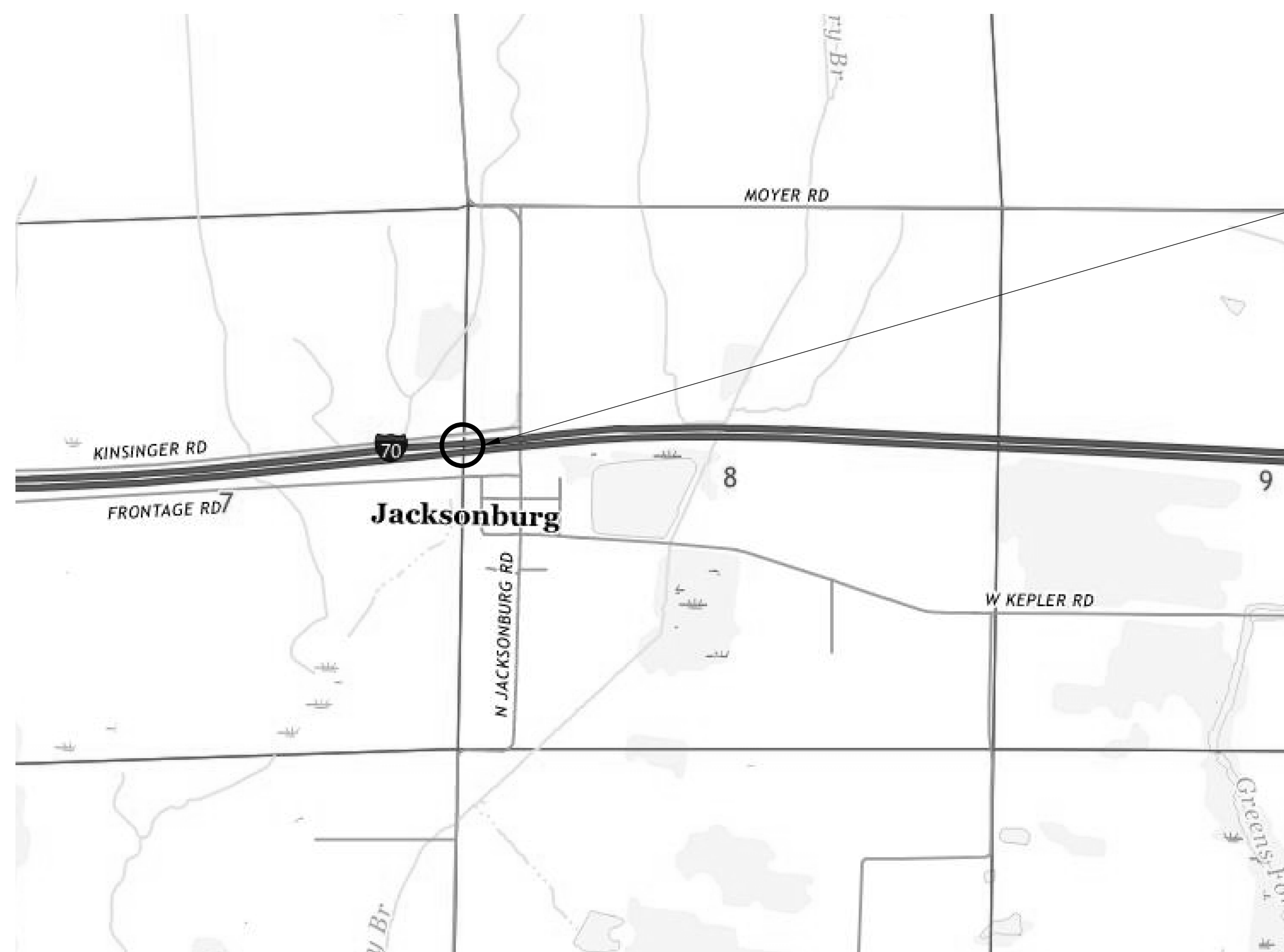
ROUTE: I-70 AT: RP 139+41

PROJECT NO. 2002428 & 2002429 P.E.

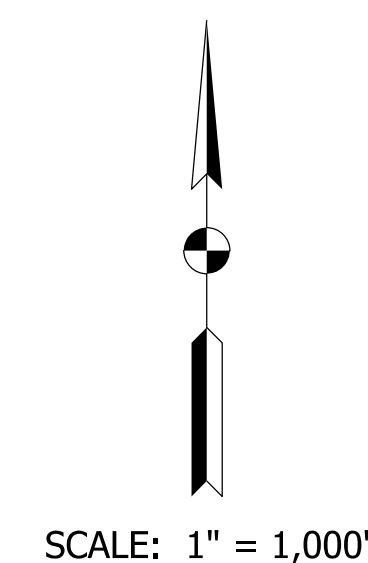
NO ADDITIONAL RIGHT OF WAY REQUIRED FOR THIS PROJECT R/W

2002424 CONST.

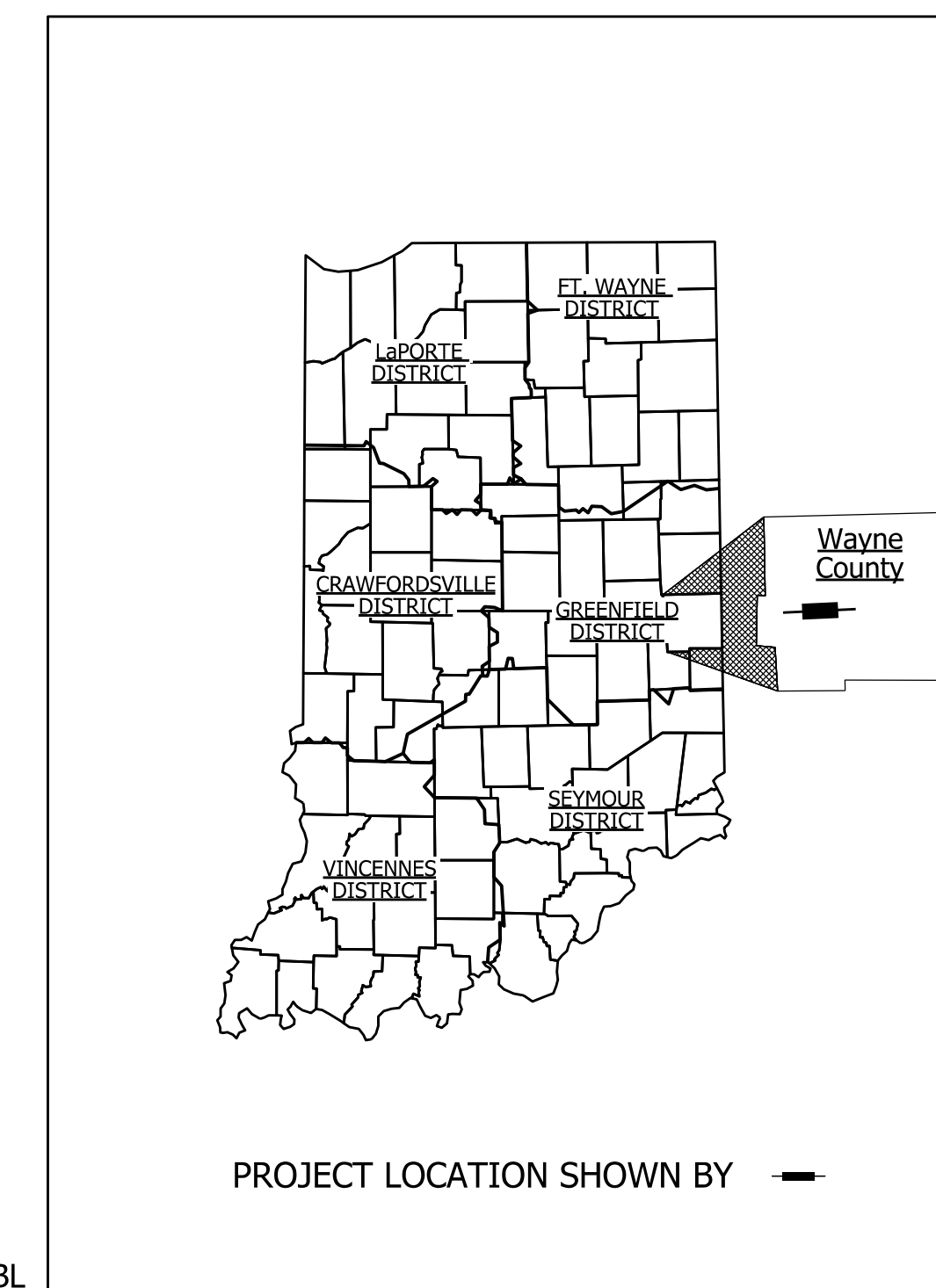
RIGID DECK OVERLAY AND BRIDGE WIDENING ON I-70 OVER JACKSONBURG RD. APPROXIMATELY 2.07 MILES EAST OF SR 1 SECTION 8, T-16-N, R-13-E, HARRISON TOWNSHIP, WAYNE COUNTY



Structure I70-139-04970 DEBL & DWBL Over Jacksonburg Rd. Sta. 236+26.98 Line "F"



TRAFFIC DATA	
See Roadway Plans, Lead Des. No. 2002424	
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	INTERSTATE
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



PROJECT LOCATION SHOWN BY —

LATITUDE: 39° 51' 13.36" N LONGITUDE: 85° 6' 20.16" W

BRIDGE LENGTH: 0.020 MI.
ROADWAY LENGTH: See Plans Des. No. 2002424 MI.
TOTAL LENGTH: See Plans Des. No. 2002424 MI.
MAX. GRADE: 1.76% %

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

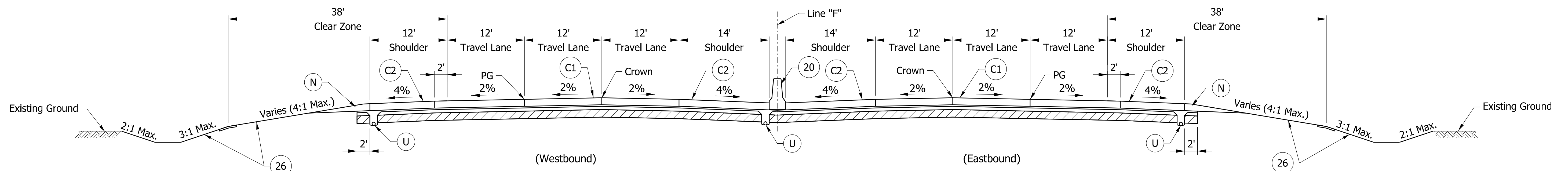
BURGESS & NIPL, INC.
251 N. ILLINOIS ST.
CAPITOL CENTER SUITE 920
INDIANAPOLIS, IN 46221
PHONE (317) 237-2760
FAX (317) 237-2755

PLANS PREPARED BY: BURGESS & NIPL, INC. (317) 237-2760
PHONE NUMBER
CERTIFIED BY: _____ DATE
RECOMMENDED FOR LETTING: _____ DATE
INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE FILE	
I70-139-04970 DEBL & DWBL	
DESIGNATION	
2002428 & 2002429	
SHEETS	
1	of 9
CONTRACT	PROJECT
R-43375	2002424

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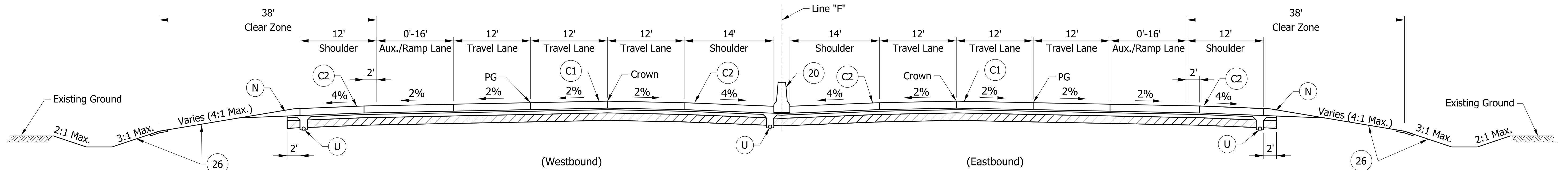
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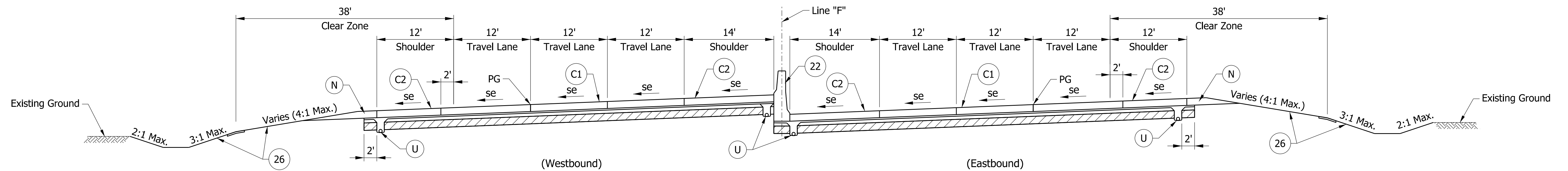
Note:
 From Sta. 46+00.00 to Sta. 53+59.37 "F", the Westbound Inside Travel Lane Width Varies from 1.15' to 12' and the Westbound Inside Shoulder Width Varies from 24.85' to 14'.

I-70 Typical Section
 Sta. 46+00.00 to Sta. 102+11.65 "F"
 Sta. 111+11.65 to Sta. 143+05.34 "F"
 Sta. 152+05.34 to Sta. 282+00.00 "F"
 Sta. 1030+70.00 to Sta. 1053+25.00 "F"

Note:
 From Sta. 227+00.00 to Sta. 282+00.00 "F", Crown Location Varies from Inside Edge of Center Travel Lane to Outside Edge of Center Travel Lane



I-70 Typical Section With Auxiliary Lane
 Sta. 102+11.65 to Sta. 111+11.65 "F"
 Sta. 143+05.34 to Sta. 152+05.34 "F"



I-70 Typical Section - Superelevated
 Sta. 329+25.44 to Sta. 350+99.65 "F"
 Sta. 416+51.00 to Sta. 446+99.00 "F"
 Sta. 862+39.00 to Sta. 920+37.00 "F"
 Sta. 958+37.00 to Sta. 991+88.00 "F"

FOR INFORMATION ONLY

PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- C1 CRCP Pavement, TBD
- C2 PCCP Pavement, TBD
- N Compacted Aggregate, No. 53
- U 6" Underdrain
- 20 Concrete Median Barrier
- 21 Concrete Railing Type FT and Moment Slab
- 22 Concrete Median Barrier, Modified
- 26 See Mixture, R
- 45 Guardrail, MGS, 6'-3" Spacing
- 46 Guardrail, End Treatment, OS

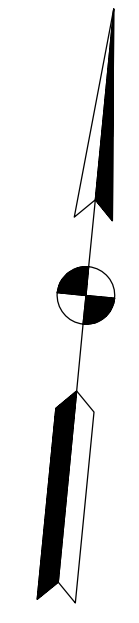
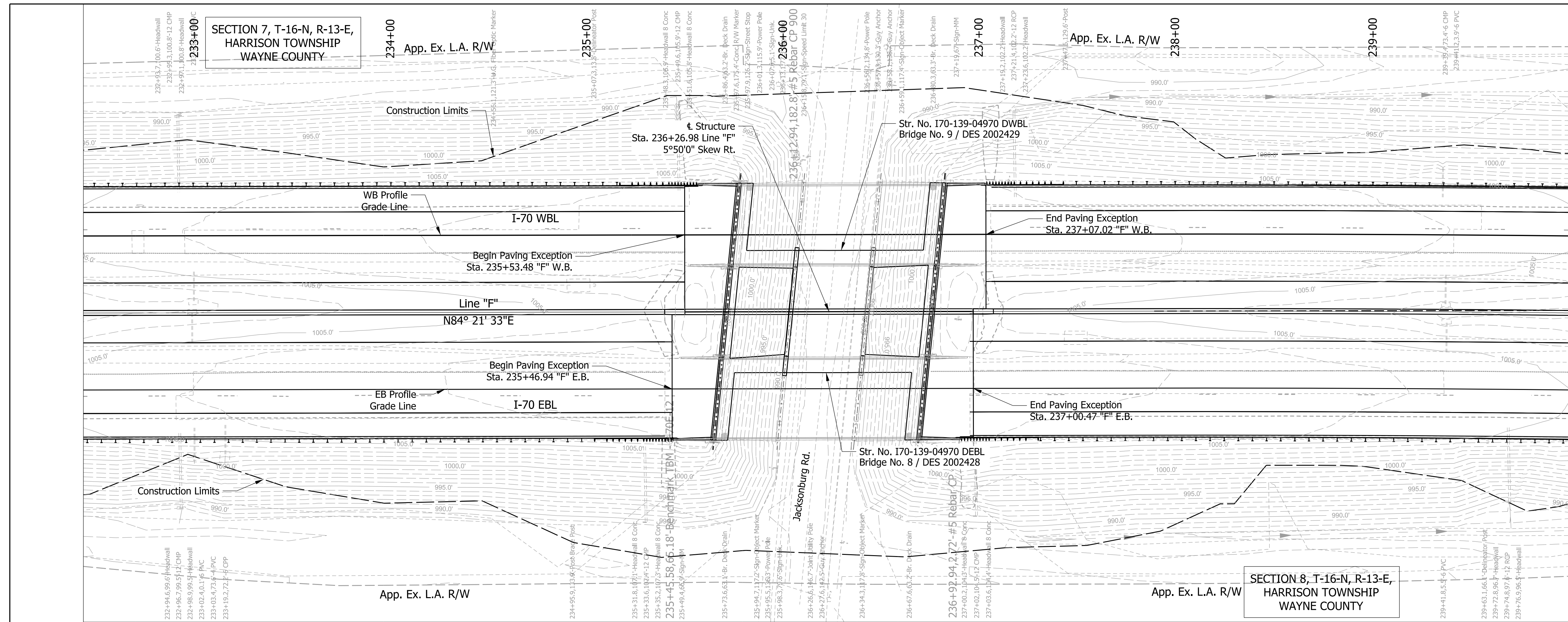
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DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

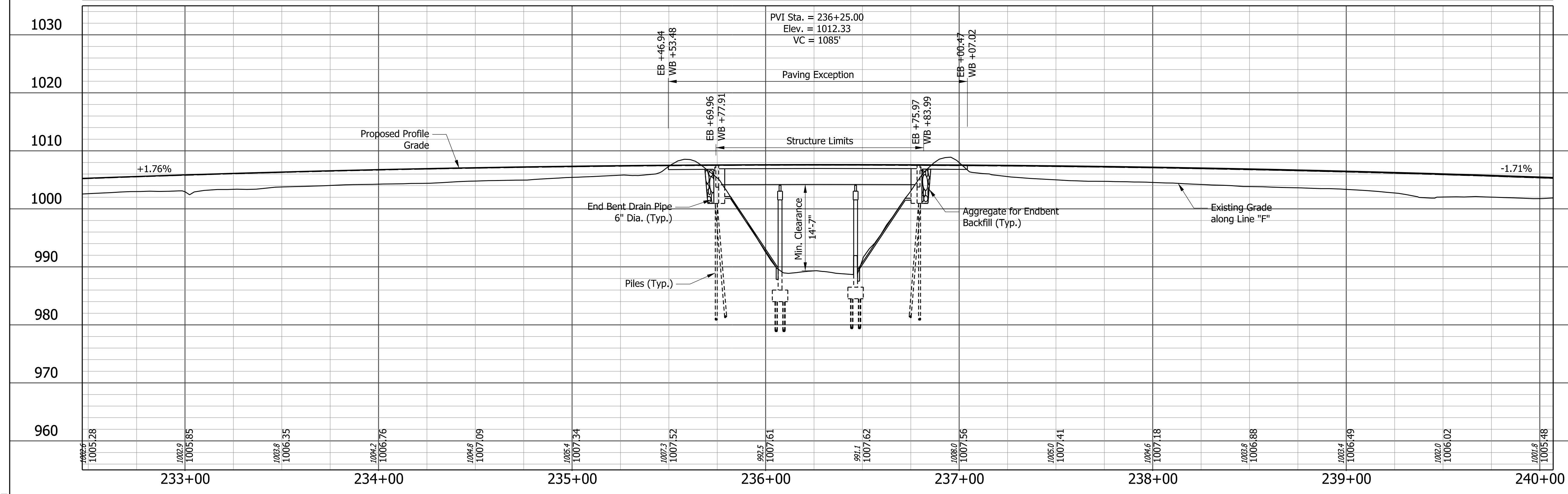
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	DESIGNATION
VERTICAL SCALE	2002424
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 9
CONTRACT	PROJECT
R-43375	2002424

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 3/31/2023



EXISTING STRUCTURE
 The existing structure 170-139-04970 CEBL & 170-139-04970 CWBL is a 3 span continuous composite steel beam bridge built in 1962. The spans are 32'-6", 39'-0", and 32'-6" with a 39'-9 1/2" clear roadway and a reinforced concrete deck. The existing structure is to receive a new rigid deck overlay and be widened.



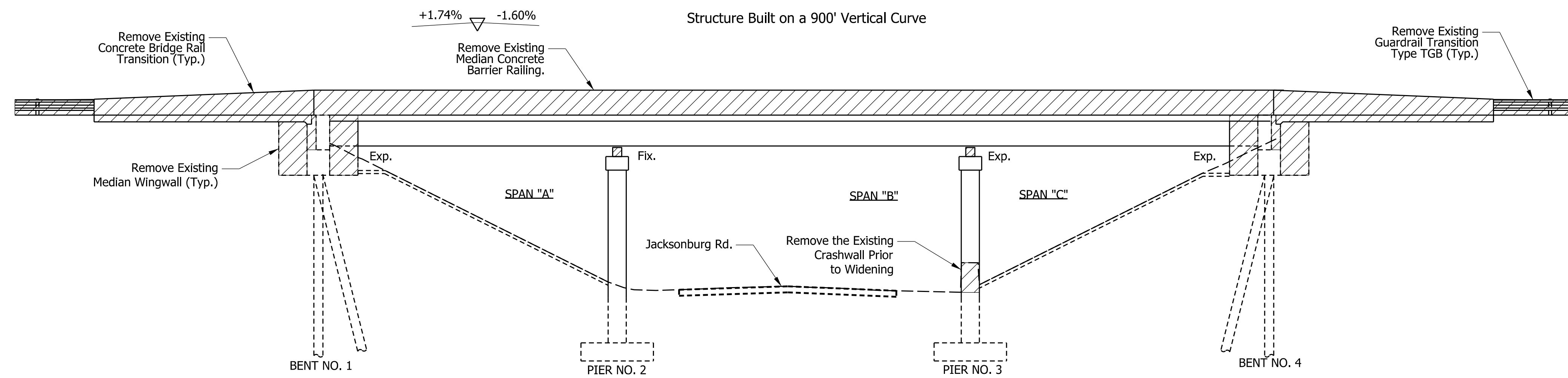
NOTES:
 For Guardrail Limits, Side Ditch Grades, Alignment References, Bench Marks and Utilities, See Road Plans, This Contract, Des. No. 2002424
 All Topo Referenced From Line "F" U.N.O.
 For Earthwork Quantities Refer to Lead Des. No. 2002424

770 I-70 OVER JACKSONBURG ROAD
CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
3 Spans: 32'-6", 39'-0", 32'-6"
5°50'00" Rt. Skew
Clear Roadways: 62'-7 7/8" (EB), 62'-7 5/8" (WB)
Wayne County

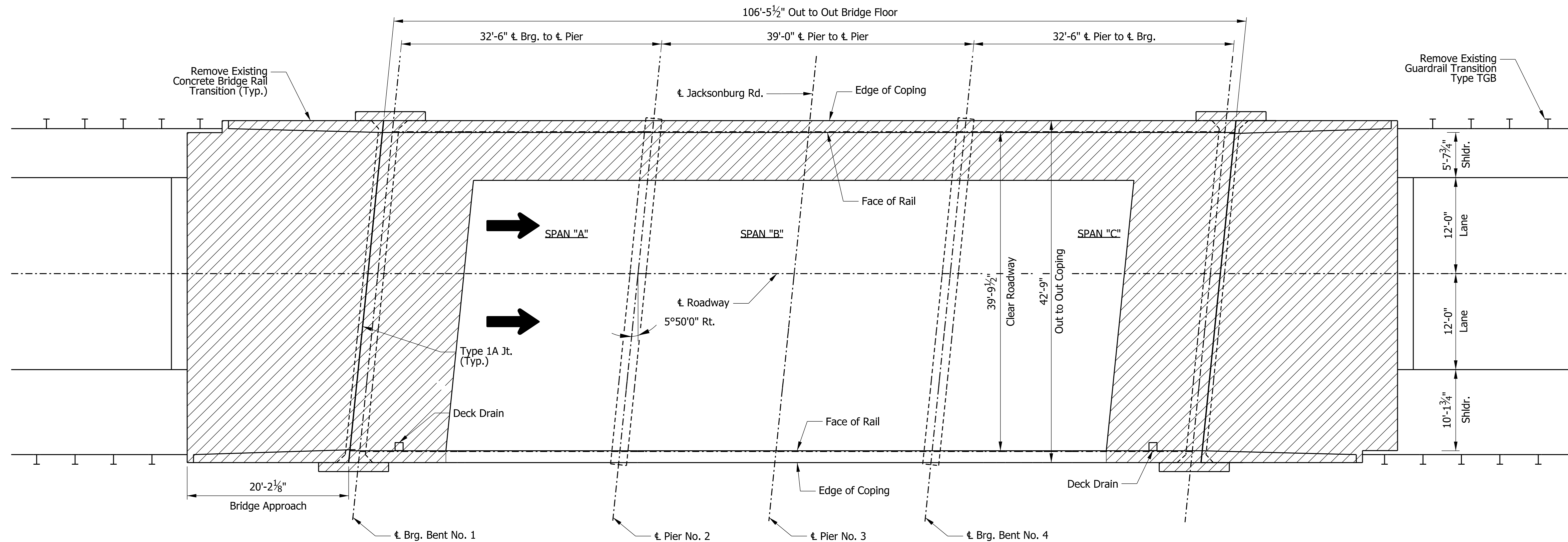
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DESIGNED: TCG	DRAWN: TCG			1" = 30'	170-139-04970 DEBL & DWBL
CHECKED: IP	CHECKED: IP			VERTICAL SCALE	DESIGNATION
			LAYOUT	1" = 10'	2002428 & 2002429
				SURVEY BOOK	SHEETS
					4 of 9
				CONTRACT	PROJECT
				R-43375	2002424

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ELEVATION
SCALE: 3/8"=1'-0"



EB PLAN (WB SAME)
SCALE: 3/8"=1'-0"

LEGEND

- Removal Limits

Notes:
1. See Lead Des. 2002424 for removal limits of pavement and guardrail.

Plot: 3/31/2023 4:15:53 PM

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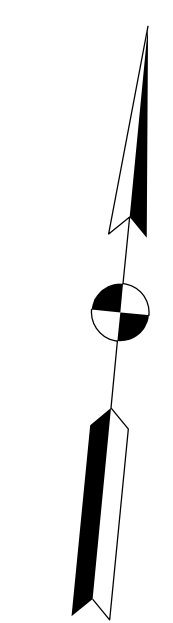
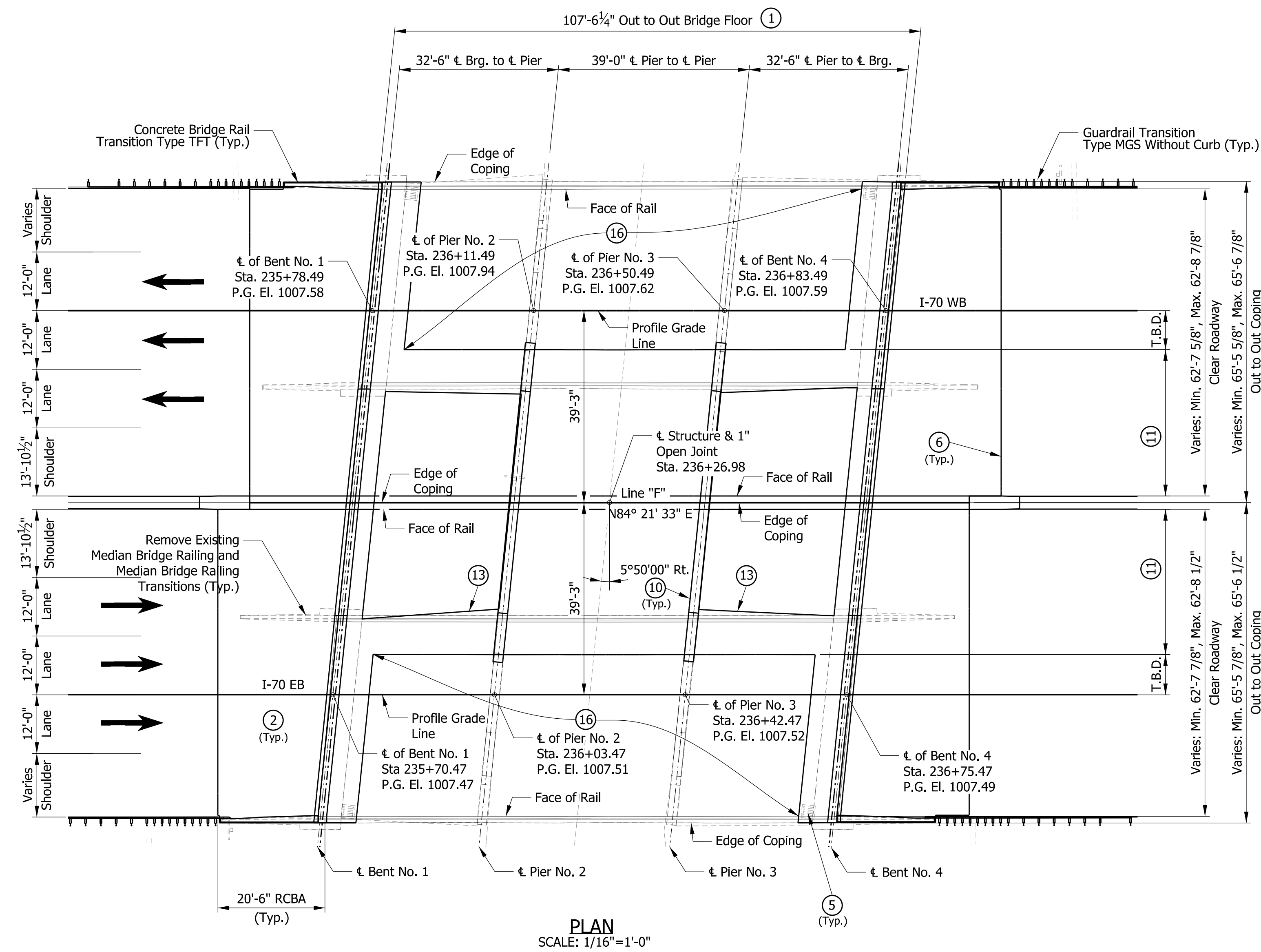
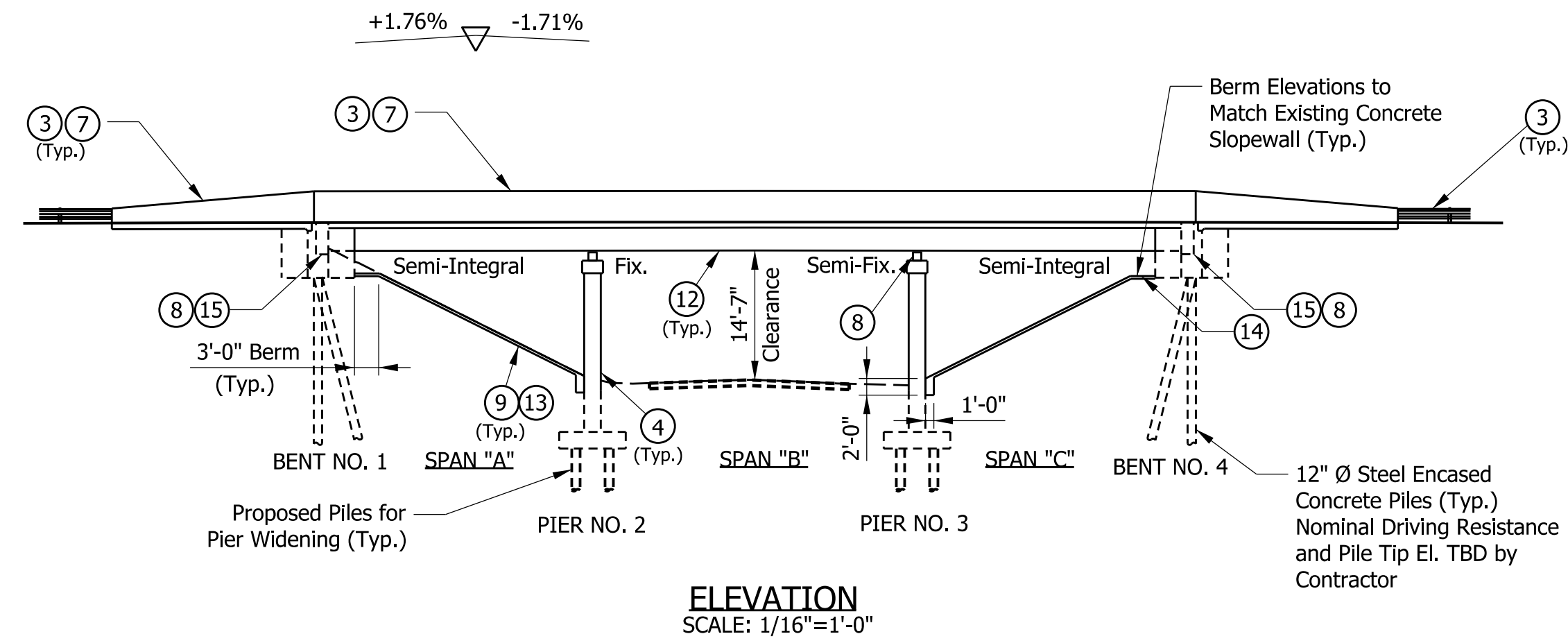
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TCG	DRAWN: TCG	
CHECKED: IP	CHECKED: IP	

INDIANA
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE AS NOTED	BRIDGE FILE 170-139-04970 DEBL & DWBL
	DESIGNATION 2002428 & 2002429
SURVEY BOOK	SHEETS
	5 of 9
CONTRACT R-43375	PROJECT 2002424

Structure to be Built on a 1085' Vertical Curve



LEGEND

- ① Construct New 1 3/4" Min. Rigid Deck Overlay.
- ② Construct new RCBA's and Type "I-A" Joints.
- ③ Install new FT Concrete Railing, TFT Railing, TFT Concrete Bridge Rail Transitions, MGS w/o Curb Guardrail Transitions.
- ④ Minor patching of Existing Piers & End Bents (approx. 150 sft).
- ⑤ Remove Existing Deck Drains.
- ⑥ Construct new Terminal Joints (CRCP). See Roadway Plans Des. 2002424
- ⑦ Surface Seal TFT transitions, & FT bridge rails.
- ⑧ Clean and Reset Existing Bearings and Place new Elastomeric Bearing Pads in Proposed Widened Section.
- ⑨ Clean and repair existing slopewalls using flowable backfill (11 CYS).
- ⑩ Fill in the Existing pier, widen the pier stem and cap, and widen the pier footing to match the widened superstructure.
- ⑪ Widen Existing Bridge Deck from Cut Line (TBD) from Profile Grade Line
- ⑫ Clean and Paint Existing Beams and Fixed Bearings.
- ⑬ Construct new Slope Wall in the Median, to Match Existing Slope Wall
- ⑭ Remove and Replace Berm and Tie into Existing Slope Wall.
- ⑮ Cut into Existing Deck (Width TBD) and Modify and Re-construct End Bents as Semi-Integral.
- ⑯ Perform Hydro-Demolition (330 SYS), Full Depth Patching (Assumed 7 CYS), and Partial Depth Patching (Assumed 17 CYS) on Existing Bridge Deck.

NOTES:

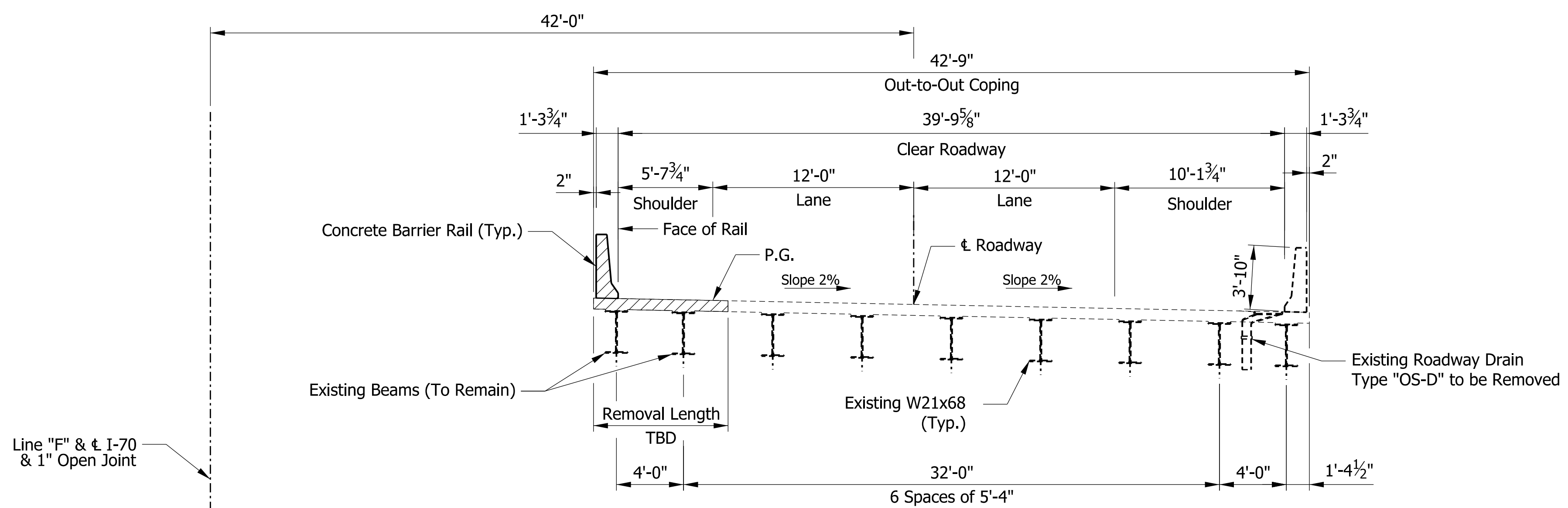
The span lengths shown were created based on existing plans. Verify the required length of beams prior to construction.
See Sheet 7 for General Notes, Design Data, Design Stresses, and Construction Loading

I-70 OVER JACKSONBURG ROAD
CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
3 Spans: 32'-6", 39'-0", 32'-6"
5°50'00" Rt. Skew
62'-7 5/8" (WB), 62'-7 7/8" (EB) Clear Roadway
Wayne County

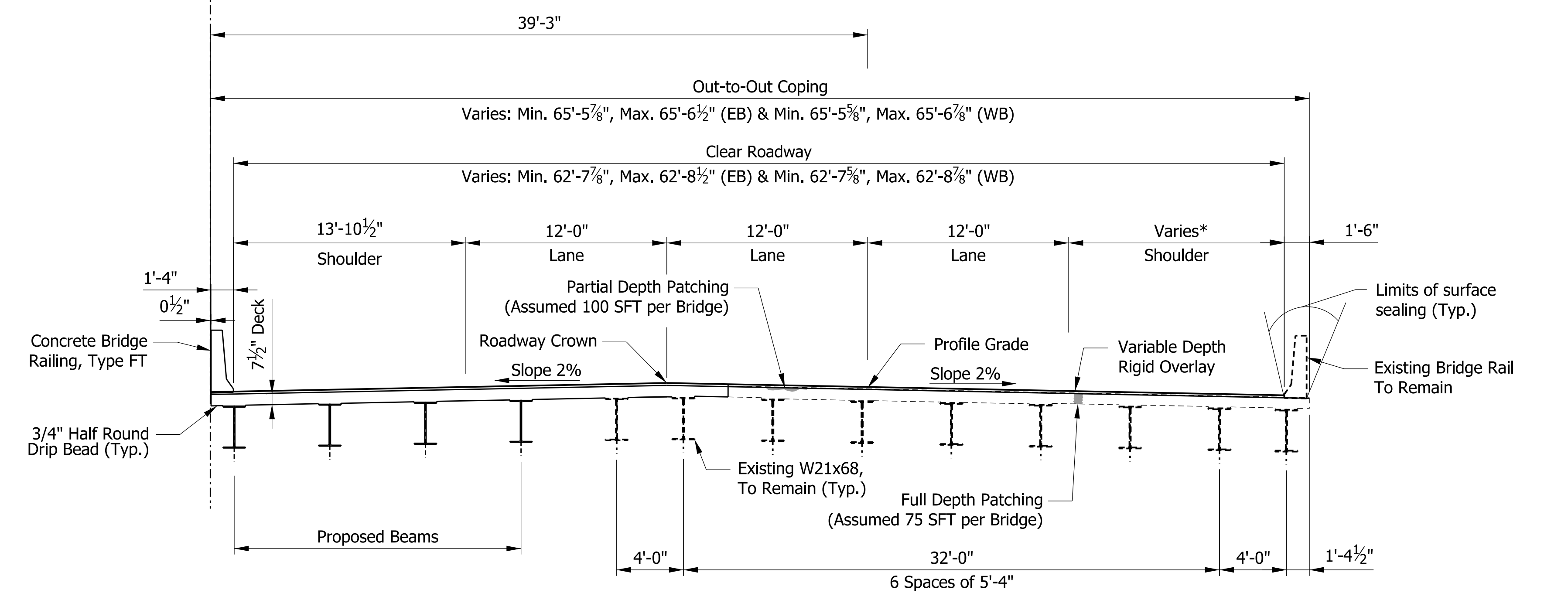
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE	BRIDGE FILE
					As Noted	170-139-04970 DEBL & DWBL
DESIGNED: TCG	DRAWN: TCG		PROPOSED GENERAL PLAN		DESIGNATION	2002428 & 2002429
CHECKED: IP	CHECKED: IP				SURVEY BOOK	SHEETS
				6 of 9	CONTRACT	PROJECT
					R-43375	2002424



EXISTING EB TYPICAL SECTION (WB SAME BY OPPOSITE HAND)
Scale 1" = 5'



PROPOSED EB TYPICAL SECTION (WB SAME BY OPPOSITE HAND)
Scale 1" = 5'

* Shoulder Width
Min. 12'-9 3/8" to Max. 12'-10" (EB)
Min. 12'-9 1/8" to Max. 12'-10 3/8" (WB)

Legend:
[Hatched Box] - Removal Limits

GENERAL NOTES

- Plans for existing structures are on file in the Central Office as Structure No. 170-139-04970 CEBL & CWBL and are available upon request.
- Where new work is to be fitted to old work, the contractor shall check all dimensions and conditions in the field, report any discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new part to the old.
- Reinforcing steel cover shall be 2 1/2" in top and 1" minimum in bottom of floor slabs, 3" in footings except bottom steel which shall be 4", and 2" in all other parts, unless noted.
- The Concrete Railings and Concrete Bridge Railing Transitions shall be Surface Sealed.

DESIGN DATA

Design Strengths:

Class "A" Concrete	f _c = 3,500 psi
Class "B" Concrete	f _c = 3,000 psi
Class "C" Concrete	f _c = 4,000 psi
Reinforcing Steel	f _y = 60,000 psi
Structural Steel	f _y = 50,000 psi

Structure widening designed for HL-93 loading using AASHTO LRFD 9th edition, 2020.

Dead Load: Self weight plus 35 psf for future wearing surface and 15 psf (Non-Composite) for permanent metal deck forms

Bridge Deck Overlay:
Variable Depth (1 3/4" Min.) Latex Modified Concrete Overlay
OR
Variable Depth (1 3/4" Min.) E5 Concrete

CONSTRUCTION LOADING

The Exterior Beam has been checked for Strength, Deflection, and Overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhand past the edge of the exterior beam. The finishing machine was assumed to be supported 6 in. outside the vertical coping form. The top overhand brackets were assumed to be located 6 in. past the edge of the vertical coping form. The bottom overhand brackets were assumed to be braced against the intersection of the beam bottom flange and web.

Deck Falsework Loads: Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms and 2 ft. exterior walkway.

Construction Live Load: Designed for 20 psf extending 2 ft. past the edge of coping and 75 psf vertical force applied at a distance of 6 in. outside the face of coping over a 30 ft. length of the deck centered with the finishing machine.

Finishing Machine Load: 4500 lbs distributed over 10 ft. along the coping

Wind Load: Structure designed for horizontal wind loading in accordance with LRFD 3.8.1

I-70 OVER JACKSONBURG ROAD
CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
3 Spans: 32'-6", 39'-0", 32'-6"
5°50'00" Rt. Skew
Clear Roadways: 62'-7 7/8" (EB), 62'-7 5/8" (WB)
Wayne County

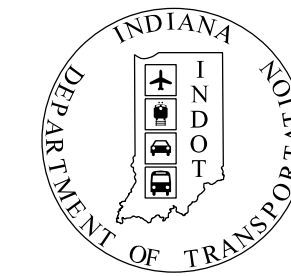
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				AS NOTED	170-139-04970 DEBL & DWBL
DESIGNED: TCG	DRAWN: TCG		PROPOSED GENERAL PLAN	DESIGNATION	
CHECKED: IP	CHECKED: IP			2002428 & 2002429	
				SURVEY BOOK	SHEETS
				7 of 9	
			CONTRACT	PROJECT	
			R-43375	2002424	

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PROJECT	DESIGNATION
2002424	2002430 & 2002431
CONTRACT	BRIDGE FILE
R-43375	I70-139-04971 EEBL & EWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-139-04971 EWBL	Continuous, Composite, Prestressed Spread Box Beam Bridge	3 Equal Spans 25'-0" Skew: 27° 30' Rt.	PLUM CREEK	Sta. 259+79.36 Line "F"
I70-139-04971 EEBL	Continuous, Composite, Prestressed Spread Box Beam Bridge	3 Equal Spans 25'-0" Skew: 27° 30' Rt.	PLUM CREEK	Sta. 259+79.36 Line "F"

Bridge No. 10

Bridge No. 11

KIN Project Information		
Designation	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E FK Whitewater River	Bridge
2002456	I70 WB over E FK/E FK Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-70 AT: RP 139+78

PROJECT NO. 2002430 & 2002431 P.E.

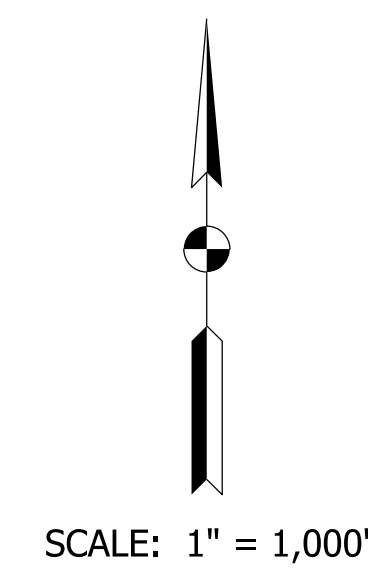
NO ADDITIONAL RIGHT OF WAY REQUIRED FOR THIS PROJECT R/W

2002424 CONST.

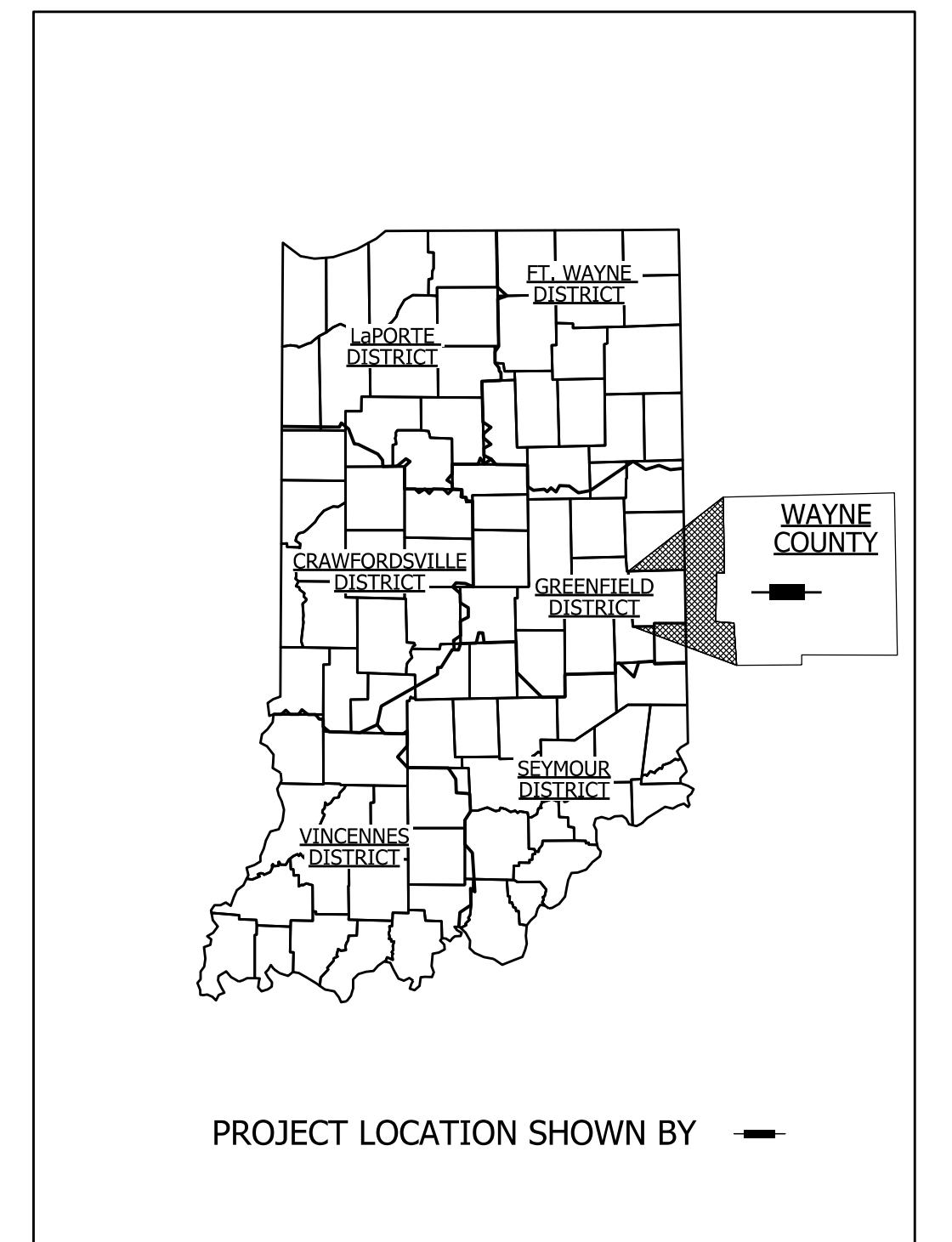
BRIDGE SUPERSTRUCTURE REPLACEMENT AND BRIDGE WIDENING ON I-70 OVER PLUM CREEK LOCATED APPROXIMATELY 2.42 MILES EAST OF SR 1 SECTION 8, T-16-N, R-13-E, HARRISON TOWNSHIP, WAYNE COUNTY, INDIANA



Structure I70-139-04971 EEBL & EWBL Over Plum Creek Sta. 259+79.36 Line "F"



TRAFFIC DATA	
See Roadway Plans, Lead Des. No. 2002424	
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	INTERSTATE
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



PROJECT LOCATION SHOWN BY	
LATITUDE: 39° 51' 14.26" N LONGITUDE: 85° 05' 55.46" W	
BRIDGE LENGTH:	0.0143 MI.
ROADWAY LENGTH:	See Plans Des. No. 2002424 MI.
TOTAL LENGTH:	See Plans Des. No. 2002424 MI.
MAX. GRADE:	0.50% %
HUC 050800030107	

NOTE TO REVIEWER: The cross-slope on the bridges at the western 3 miles of the project is based on a shift of 14.75' right compared to existing. The majority of the project will be shifted 2.75' right.

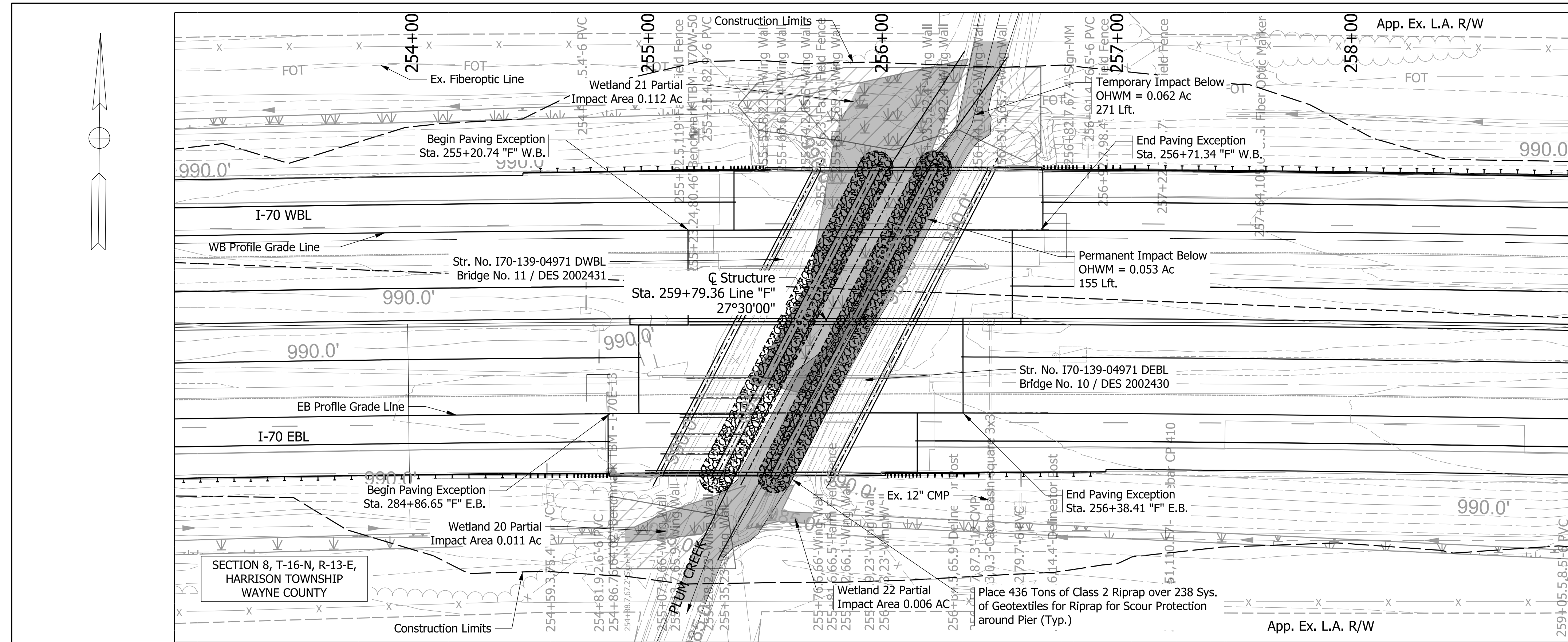
INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2022 TO BE USED WITH THESE PLANS	
BRIDGE FILE	
I70-139-04971 EEBL & WBL	
DESIGNATION	
2002430 & 2002431	
SHEETS	
1	of 9
CONTRACT	PROJECT
R-43375	2002424

Plot: 2/21/2023 3:06:39 PM

BURGESS & NIPL, INC.
251 N. ILLINOIS ST.
CAPITOL CENTER SUITE 920
INDIANAPOLIS, IN 46221
PHONE (317) 237-2760
FAX (317) 237-2755

PLANS PREPARED BY: BURGESS & NIPL, INC. (317) 237-2760
PHONE NUMBER
CERTIFIED BY: DATE
RECOMMENDED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

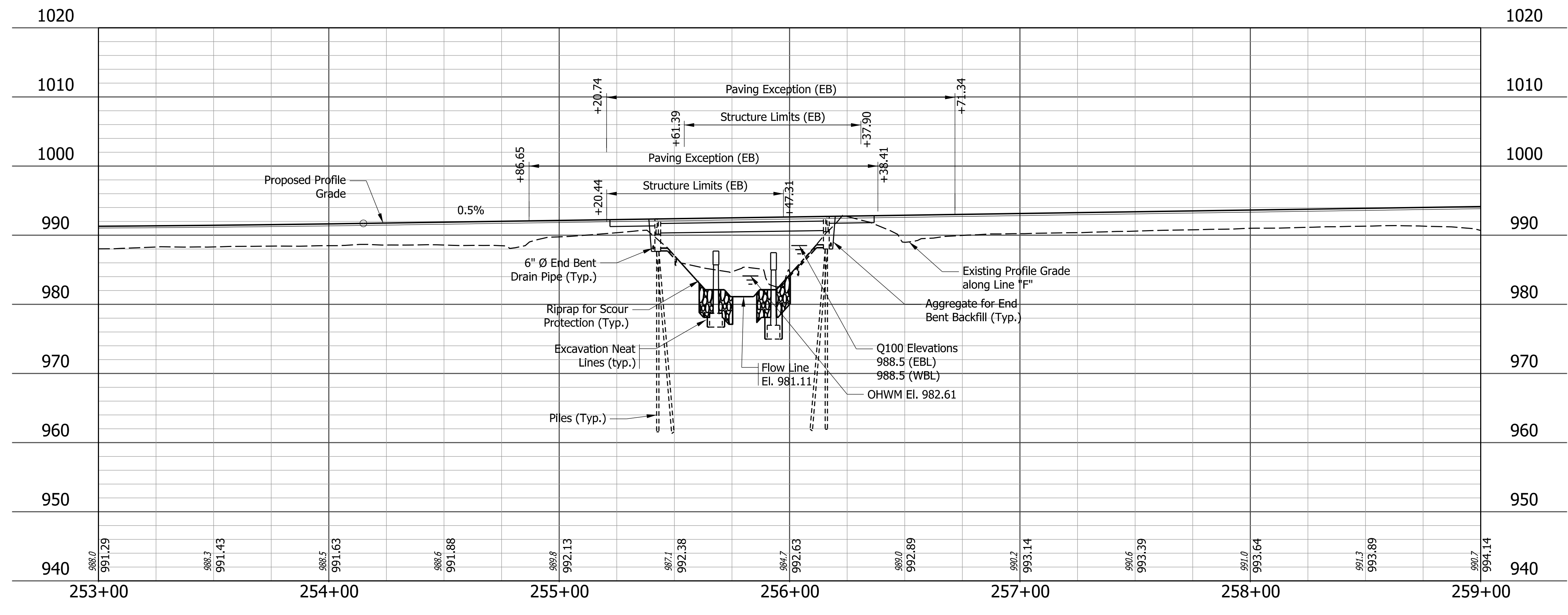
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EXISTING STRUCTURE
The existing structure 170-139-04971 CEBL & 170-139-04971 CWBL is a 3 Span Continuous Reinforced Concrete Girder bridge built in 1962. The spans are 25'-0" with a 39'-6" clear roadway and a reinforced concrete deck. The existing superstructure is to be replaced and the bridge will be widened.

HYDRAULIC SCOUR DATA

Westbound Lanes:	
Drainage Area	=3.0 sq. mi.
Q100 Discharge	=1,350 cfs
Q100 Elevation	=988.5 ft
Velocity at Q100 (Max.)	=10.2 ft/s
Velocity at Q100 (Avg.)	=6.8 ft/s
Scour Depth (Contraction)	=11.19 ft
Scour Depth (Total)	=19.63 ft
Low Scour Elevation	=961.48 ft
Eastbound Lanes:	
Drainage Area	=3.0 sq. mi.
Q100 Discharge	=1,350 cfs
Q100 Elevation	=988.5 ft
Velocity at Q100 (Max.)	=10.2 ft/s
Velocity at Q100 (Avg.)	=6.8 ft/s
Scour Depth (Contraction)	=11.19 ft
Scour Depth (Total)	=19.63 ft
Low Scour Elevation	=961.48 ft



NOTES:
For Earthwork Tabulation, Guardrail Limits, Side Ditch Grades, Alignment References, Bench Marks and Utilities, See Road Plans, This Contract, Des. 2002424
All Topo Referenced From Line "F" U.N.O.

I-70 OVER PLUM CREEK
CONTINUOUS COMPOSITE PRESTRESSED SPREAD BOX BEAMS
3 Spans: 25'-0", 25'-0", 25'-0"
27°30'00" Rt. Skew
62'-8" (WB), 62'-8" (EB) Clear Roadway
Wayne County

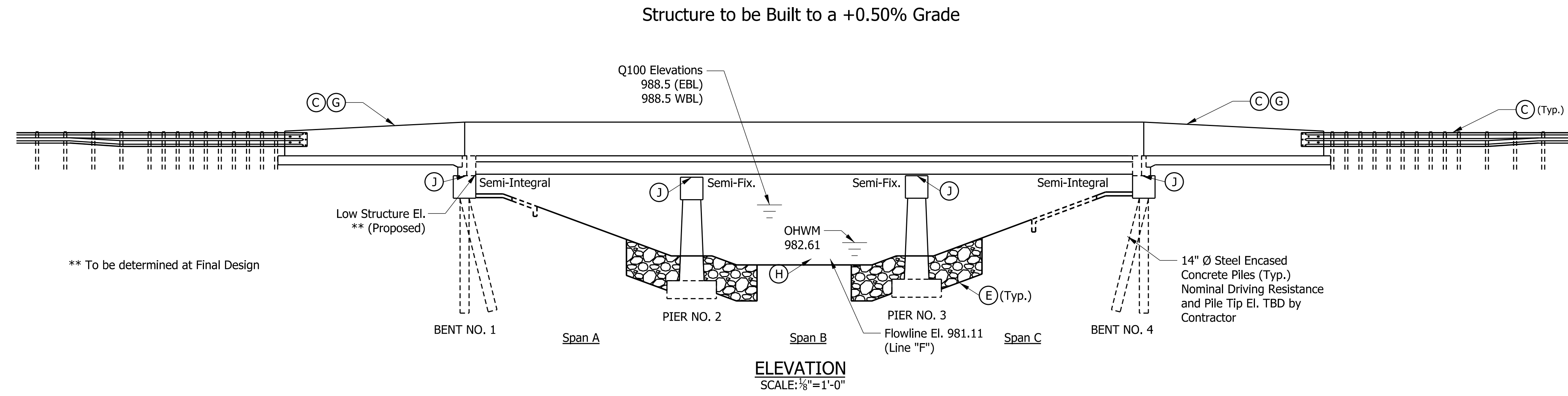
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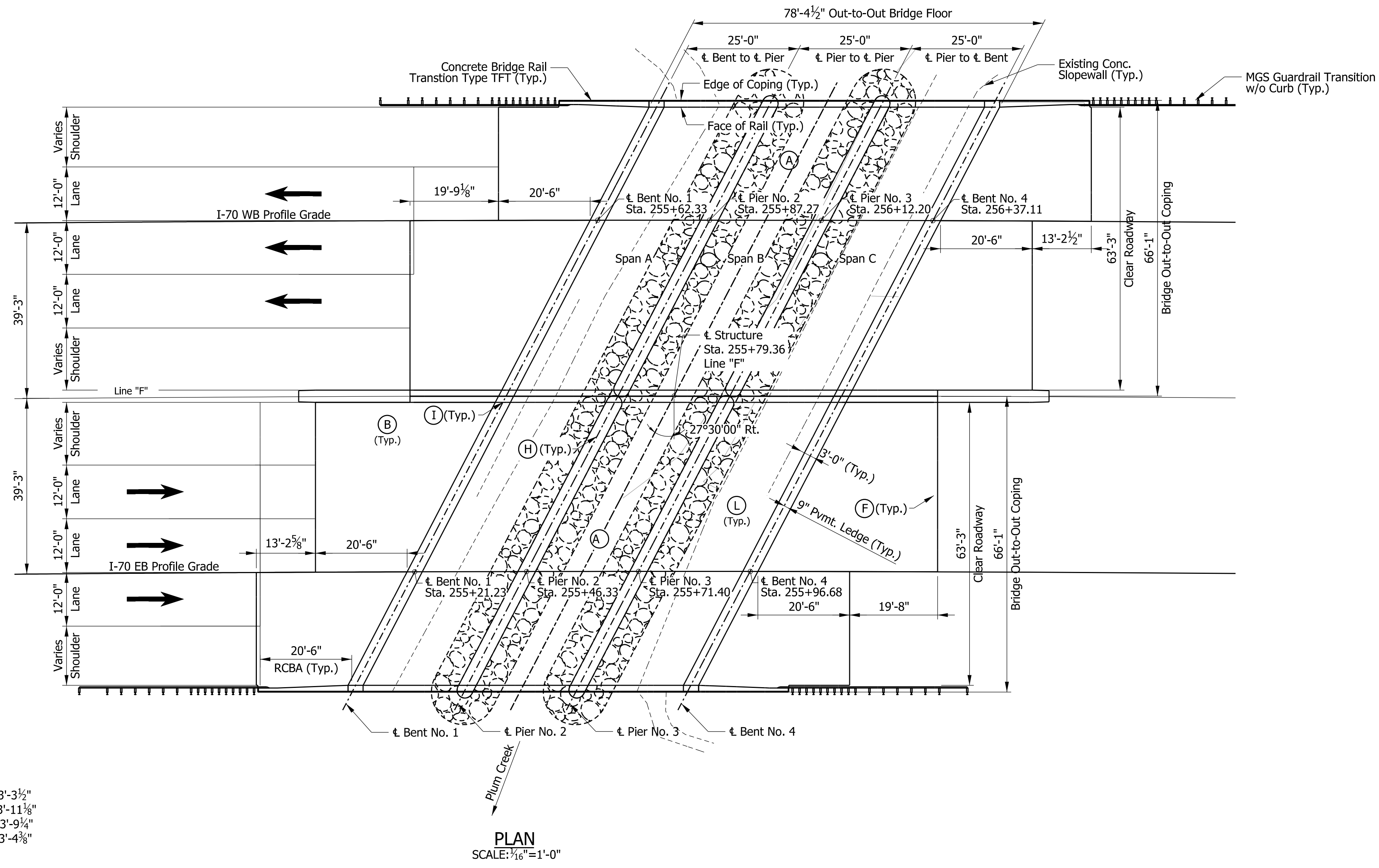
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DESIGNED: IP	DRAWN: TCG	
CHECKED: SMS	CHECKED: SMS	

INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

Horizontal Scale 1"=30'	BRIDGE FILE 170-139-04971 DEBL & DWBL
Vertical Scale 1"=10'	DESIGNATION 2002430 & 2002431
SURVEY BOOK	SHEETS
CONTRACT R-43375	4 of 9 PROJECT 2002424



** To be determined at Final Design



- LEGEND**
- (A) Place new Superstructure, Construct new 7 1/2" min. bridge deck with a 1 1/2" rigid deck overlay
 - (B) Construct new RCBA's and Type "1-A" Joints.
 - (C) Install new FT Concrete Railing, TFT Railing, TFT Concrete Bridge Rail Transitions, MGS w/o Curb Guardrail Transitions.
 - (D) Minor patching of Existing Piers & End Bents (approx. 150 sft).
 - (E) Place Class 1 Riprap around piers (approx. 698 tons) on Geotextiles, Type 1A (approx. 465 sys)
 - (F) Construct new terminal joints (PCCP), including sleeper slabs.
 - (G) Surface Seal TFT transitions, and FT bridge rails.
 - (H) Fill in the Existing pier, widen the pier stem and cap, and widen the pier footing to match the widened superstructure.
 - (I) Extend Existing End Bent and modify to receive Superstructure
 - (J) Remove existing fixity and replace with elastomeric bearing pads
 - (K) Clean channel of the debris and sediment deposits (384 CYS)
 - (L) Repair existing concrete slopewalls, Drilled Hole for Flowable Backfill (2 Ea.), Flowable Backfill Non-removable (approx. 30 Sys), Remove and Replace Slopewall (approx. 25 sft)

Shoulder Widths
 EB Outside Shoulder: Max. 13'-4 1/2", Min. 13'-3 1/2"
 EB Median Shoulder: Max. 13'-11 3/8", Min. 13'-11 3/8"
 WB Outside Shoulder: Max. 13'-9 3/8", Min. 13'-9 3/8"
 WB Median Shoulder: Max. 13'-5 3/4", Min. 13'-4 3/8"

I-70 OVER PLUM CREEK
 CONTINUOUS COMPOSITE PRESTRESSED SPREAD BOX BEAMS
 3 Spans: 25'-0", 25'-0", 25'-0"
 27°30'00" Rt. Skew
 62'-8" (WB), 62'-8" (EB) Clear Roadway
 Wayne County

Plot: 2/21/2023 3:07:57 PM

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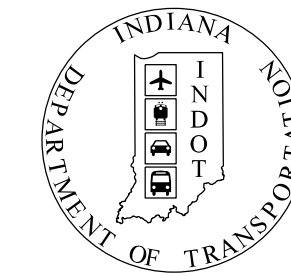
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DESIGNED: SMS	DRAWN: SMS	
CHECKED: IP	CHECKED: IP	

INDIANA DEPARTMENT OF TRANSPORTATION	
PROPOSED GENERAL PLAN	

SCALE	BRIDGE FILE
As Noted	170-139-04971 DEBL & DWBL
	DESIGNATION
	2002430 & 2002431
SURVEY BOOK	SHEETS
	6 of 9
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002424	2002432 & 2002433
CONTRACT	BRIDGE FILE
R-43375	I70-141-04972 EEBL & EWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-141-04972 EEBL	Continuous Composite Steel Beam Bridge	5 Spans: 50'-0", 3 @ 60'-0" & 50'-0" Skew 20° Rt.	GREENS FORK	328+11.81 Line "F"
I70-141-04972 EWBL	Continuous Composite Steel Beam Bridge	5 Spans: 50'-0", 3 @ 60'-0" & 50'-0" Skew 20° Rt.	GREENS FORK	328+11.81 Line "F"

Bridge No. 12

Bridge No. 13

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-70 AT: RP 141+14

PROJECT NO. 2002432 & 2002433 P.E.

NO ADDITIONAL RIGHT OF WAY REQUIRED FOR THIS PROJECT

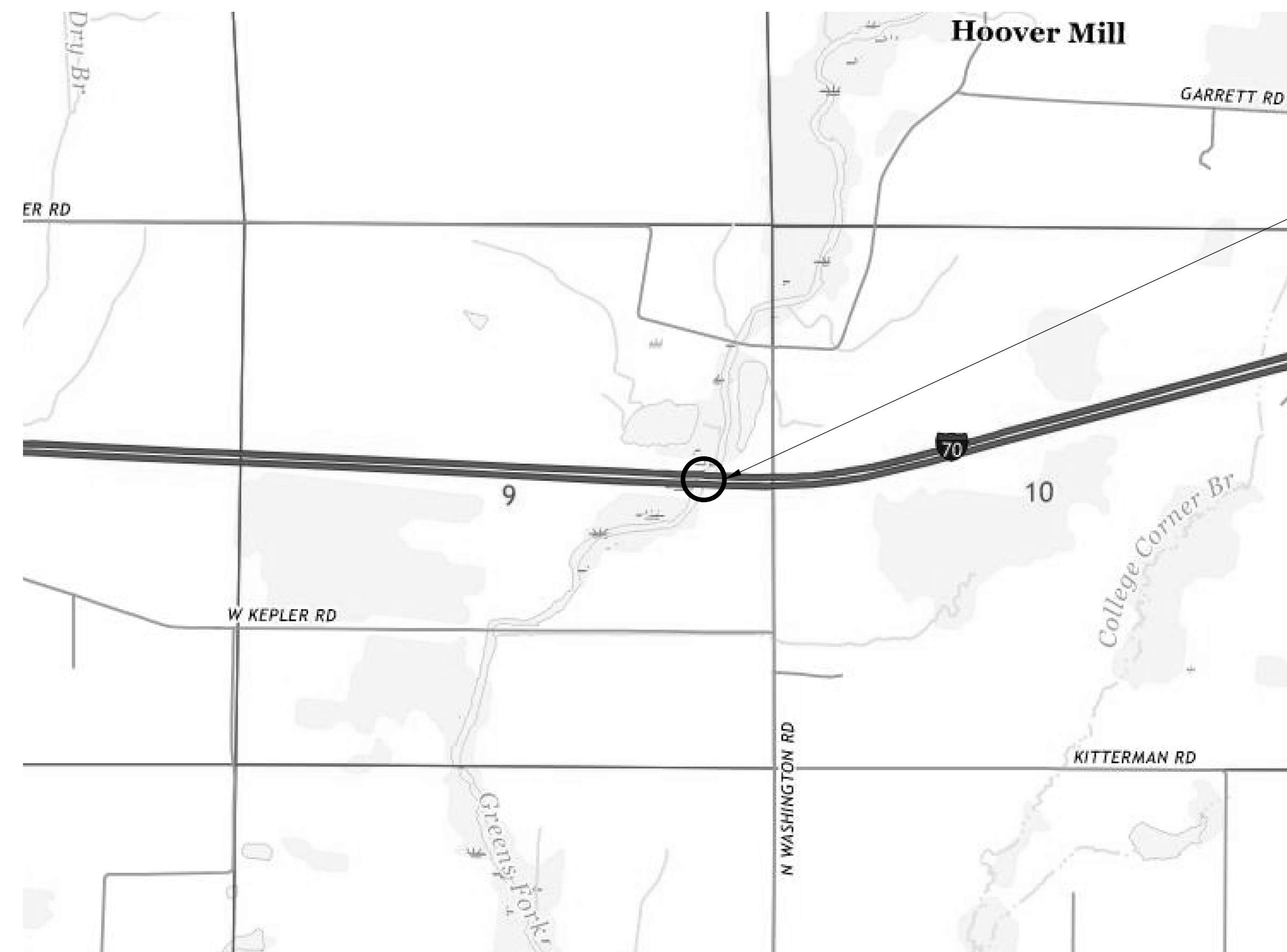
R/W

2002424 CONST.

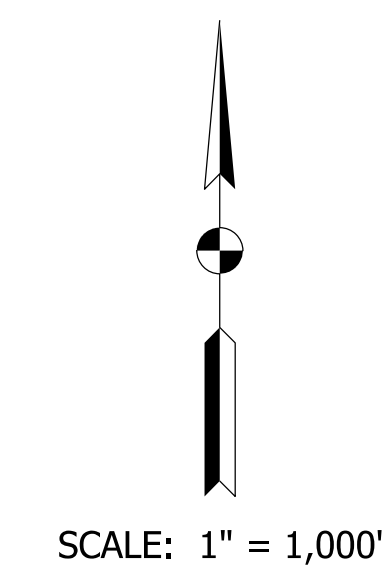
RIGID DECK OVERLAY AND BRIDGE WIDENING ON I-70 OVER GREENS FORK LOCATED APPROXIMATELY 3.81 MILES EAST OF SR 1 SECTION 9, T-16-N, R-13-E, HARRISON TOWNSHIP, WAYNE COUNTY, INDIANA

KIN Project Information		
Designation	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E FK Whitewater River	Bridge
2002456	I70 WB over E FK/E FK Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

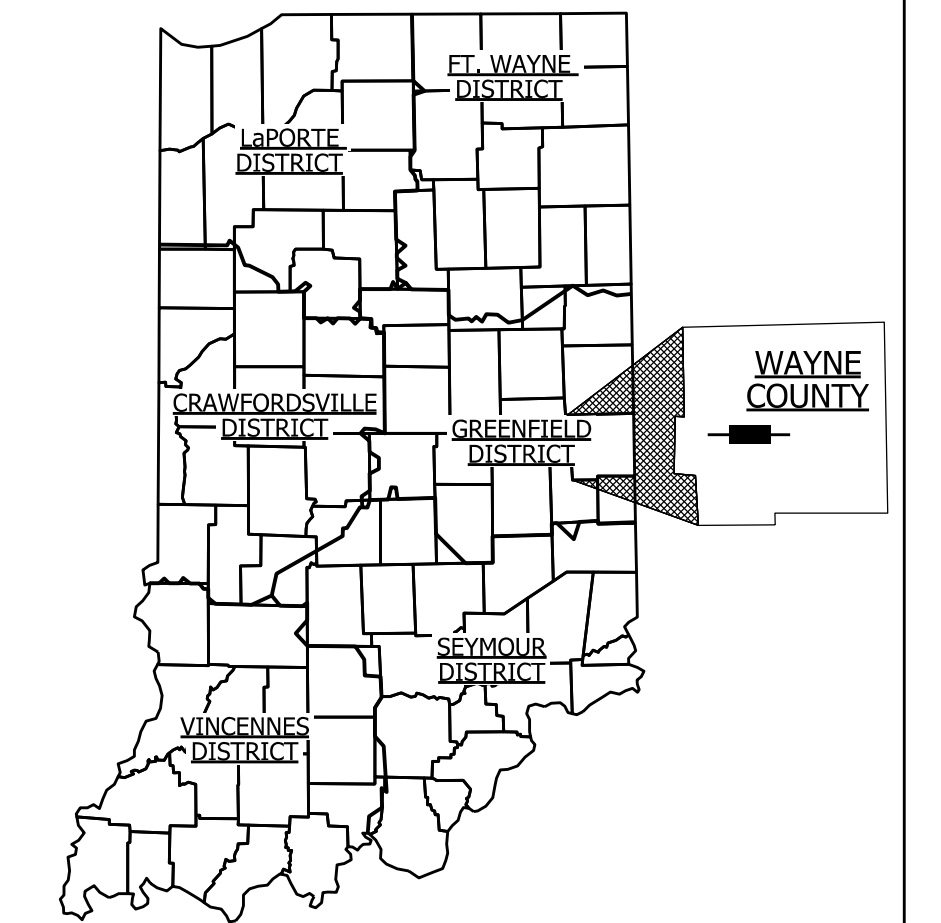


Structure I70-141-04972 EEBL & EWBL Over Greens Fork Sta. 328+11.81 Line "F"



TRAFFIC DATA
See Roadway Plans, Lead Des. No. 2002424

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



PROJECT LOCATION SHOWN BY —

LATITUDE: 39° 51' 11.12" N LONGITUDE: 85° 4' 22.94" W

BRIDGE LENGTH: 0.054 MI.
ROADWAY LENGTH: See Plans Des. No. 2002424 MI.
TOTAL LENGTH: See Plans Des. No. 2002424 MI.
MAX. GRADE: -0.14% %

HUC_12 05080030204

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

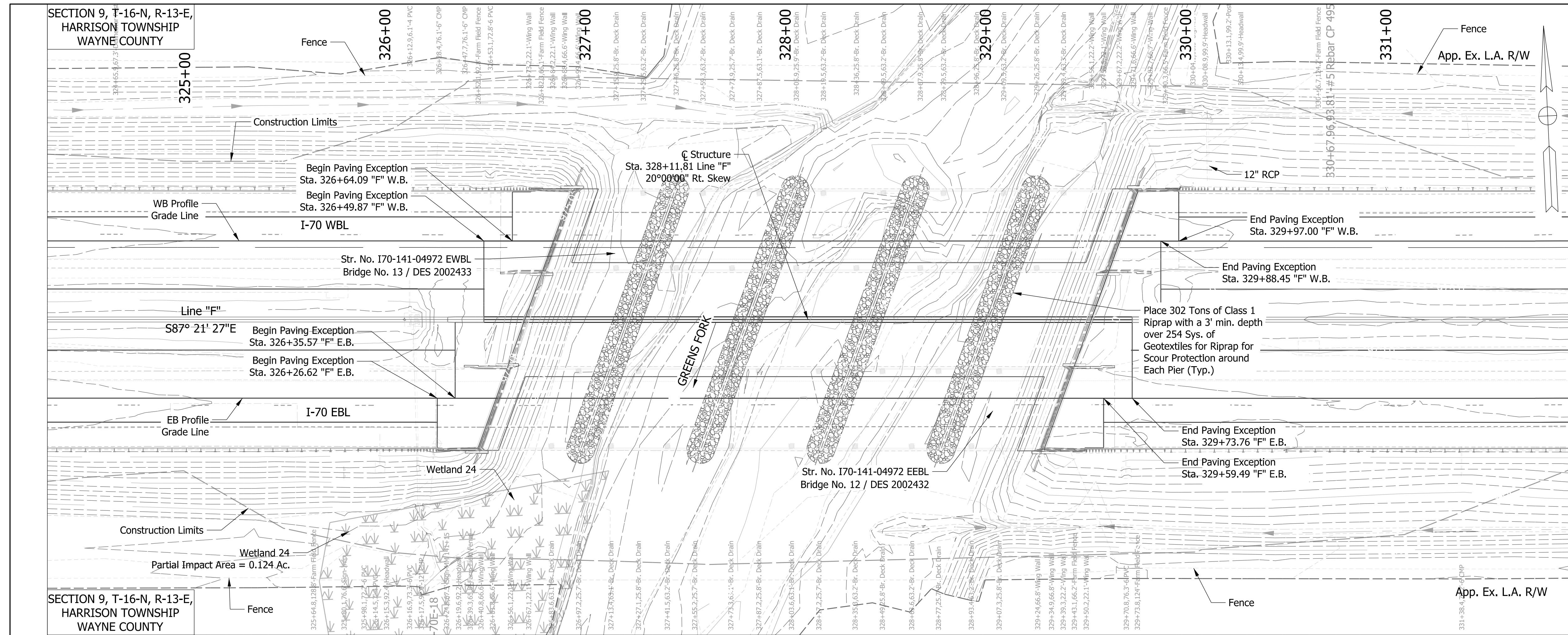
BURGESS & NIPLE, INC.
251 N. ILLINOIS ST.
CAPITOL CENTER SUITE 920
INDIANAPOLIS, IN 46221
PHONE (317) 237-2760
FAX (317) 237-2755

PLANS PREPARED BY: BURGESS & NIPLE, INC. (317) 237-2760 PHONE NUMBER
CERTIFIED BY: DATE
RECOMMENDED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE		
I70-141-04972 EEBL & EWBL		
DESIGNATION		
2002432 & 2002433		
SHEETS		
1	of	10
CONTRACT		PROJECT
R-43375	2002424	

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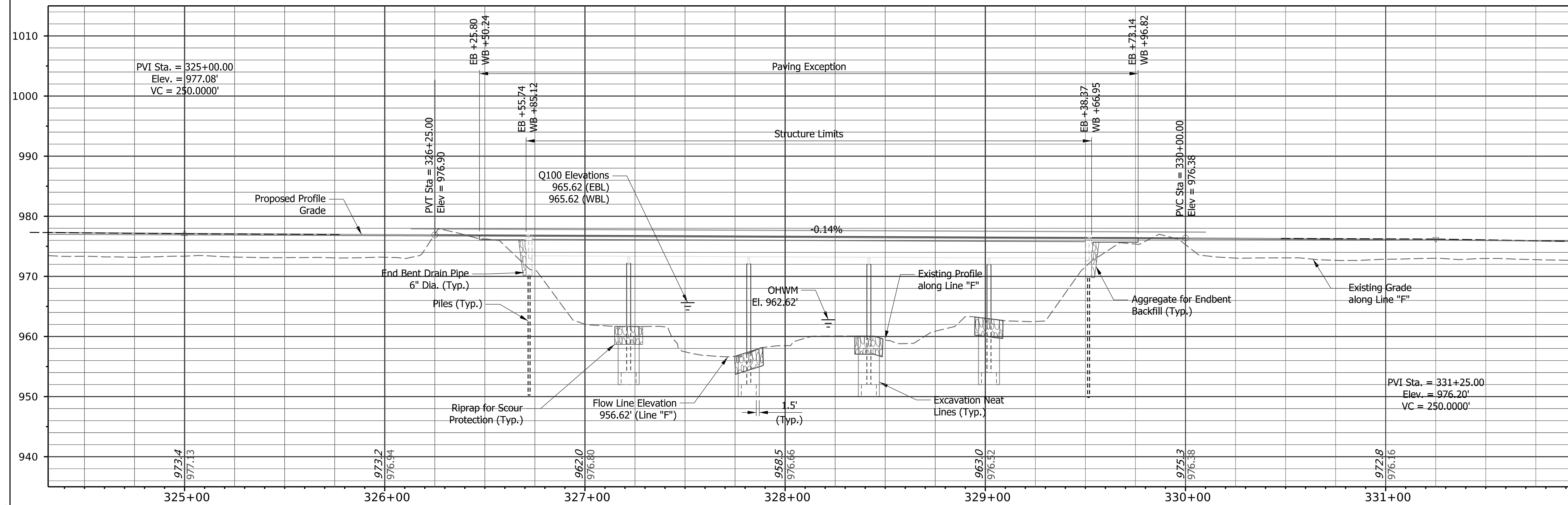
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EXISTING STRUCTURE
 The existing structure 170-141-04972 DEBL & 170-141-04972 DWBL is a 5 span composite steel girder bridge built in 1962. The spans are 50'-0", 60'-0", 60'-0", 60'-0", and 50'-0" with a 42'-0" clear roadway and a reinforced concrete deck. The existing structure is to receive a new rigid deck overlay and be widened.

HYDRAULIC SCOUR DATA

Westbound Lanes:	=Unknown
Drainage Area	=9030 cfs.
Q100 Discharge	=956.00 ft.
Flowline Elevation	=965.62 ft.
Q100 Elevation	=8.30 ft./s
Velocity at Q100 (Max.)	=Unknown
Velocity at Q100 (Avg.)	=3.13 ft.
Scour Depth (Total)	=10.86 ft.
Low Scour Elevation	=946.92 ft.
Eastbound Lanes:	=Unknown
Drainage Area	=9030 cfs.
Q100 Discharge	=956.00 ft.
Flowline Elevation	=965.62 ft.
Q100 Elevation	=8.30 ft./s
Velocity at Q100 (Max.)	=Unknown
Velocity at Q100 (Avg.)	=3.13 ft.
Scour Depth (Total)	=10.86 ft.
Low Scour Elevation	=946.92 ft.



NOTES:
 For Guardrail Limits, Side Ditch Grades, Alignment References, Bench Marks and Utilities, See Road Plans, This Contract, Des. #2002424
 All Topo Referenced From Line "F" U.N.O.
 For Earthwork Refer to Lead Des. 2002424

**I-70 OVER GREENS FORK
 CONTINUOUS COMPOSITE STEEL BEAM BRIDGE**
 5 Spans: (1) 50'-0", (3) 60'-0", (1) 50'-0"
 20°00'00" Rt. Skew
 42'-0" (WB), 42'-0" (EB) Clear Roadway
 Wayne County

P:\B\PROJECTS\2002424\2002424_LAYOUT.dwg

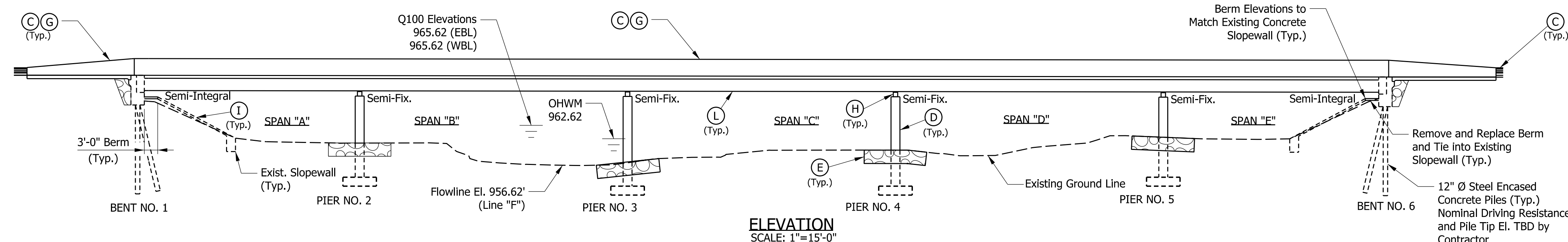
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CHECKED: TCG	CHECKED: TCG	

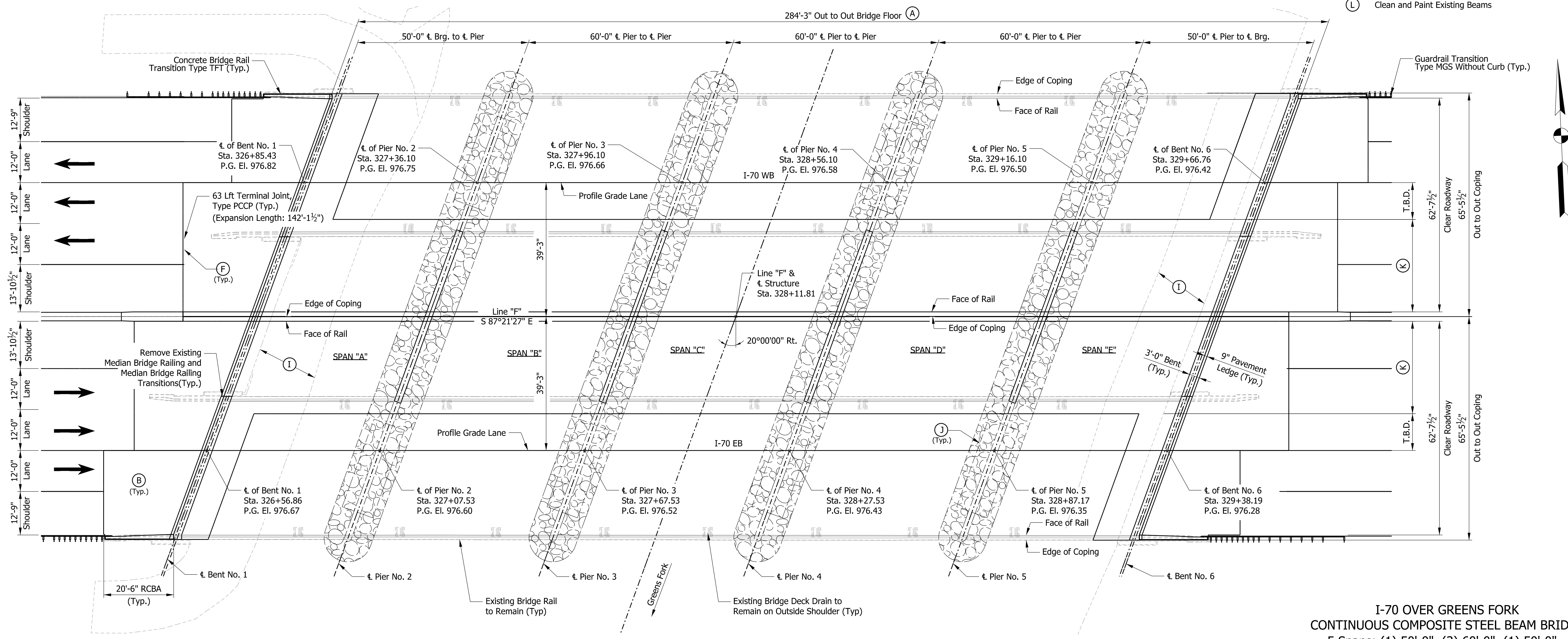
INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

SCALE 1" = 30'	BRIDGE FILE 170-141-04972 EEBL & EWBL
SCALE 1" = 10'	DESIGNATION 2002432 & 2002433
SURVEY BOOK	SHEETS
CONTRACT R-43375	\$PAGE_NUM\$ of \$TOTAL_PAGES\$ PROJECT 2002424

Structure to be Built to a -0.14% Grade



- LEGEND**
- (A) Construct New Variable Depth Rigid Deck Overlay.
 - (B) Construct new RCBA's and Type "I-A" Joints.
 - (C) Install new FT Concrete Railing, TFT Concrete Bridge Rail Transitions, MGS w/o Curb Guardrail Transitions.
 - (D) Minor patching of Existing Piers & End Bents (approx. 150 sq ft).
 - (E) Place Class 1 Riprap around piers (approx. 698 tons) on Geotextiles, Type 1A (approx. 465 sq yds)
 - (F) Construct new terminal joints (PCCP), including sleeper slabs.
 - (G) Surface Seal TFT transitions, & FT bridge rails.
 - (H) Remove Fixed and Rocker Bearings and Replace with Elastomeric Bearing Pads
 - (I) Clean and repair existing slopewalls using flowable backfill (approx. 9 CYS) and 16 Drilled Holes.
 - (J) Fill in the Existing pier, widen the pier stem and cap, and widen the pier footing to match the widened superstructure.
 - (K) Widen Existing Bridge Deck from Cut Line (TBD) from Profile Grade Line
 - (L) Clean and Paint Existing Beams

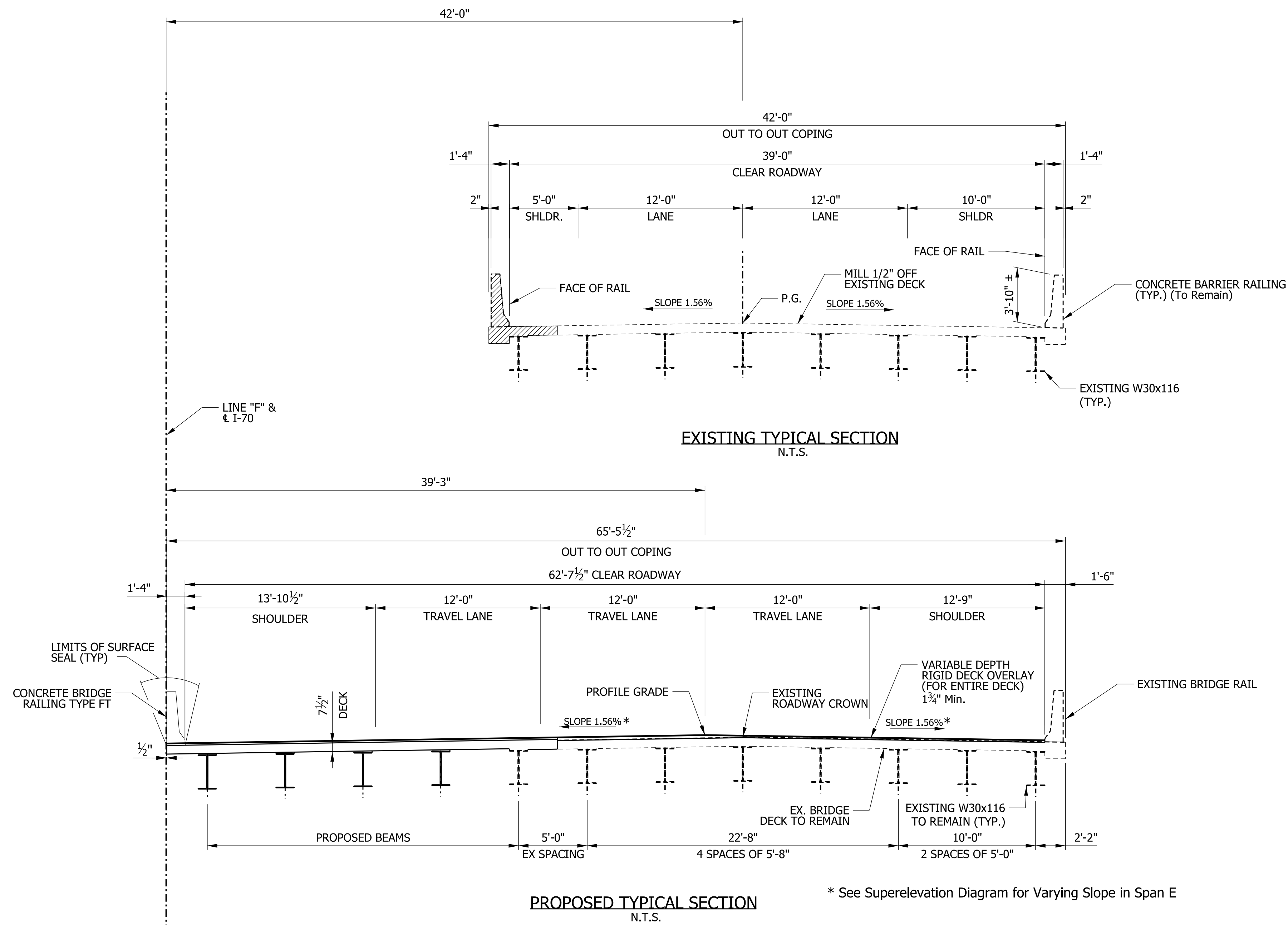


**I-70 OVER GREENS FORK
CONTINUOUS COMPOSITE STEEL BEAM BRIDGE**
5 Spans: (1) 50'-0", (3) 60'-0", (1) 50'-0"
20°00'00" Rt. Skew
42'-0" (WB), 42'-0" (EB) Clear Roadway
Wayne County

Note:
Removal of existing deck to be determined
by final design and is noted as T.B.D.

Plot: 2/21/2023 10:02:13 AM

RECOMMENDED FOR APPROVAL _____ DESIGNED: IP DRAWN: REW CHECKED: ELS CHECKED: IP	DESIGN ENGINEER _____ DATE _____ DRAWN: REW CHECKED: IP	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE As Noted	BRIDGE FILE 170-141-04972 EEBL & EWBL
		PROPOSED GENERAL PLAN		SURVEY BOOK R-43375	DESIGNATION 2002432 & 2002433 SHEETS 7 of 10 PROJECT 2002424



GENERAL NOTES

- Plans for existing structures are on file in the Central Office as Structure No. I70-141-04972 DEBL & DWBL and are available upon request.
- Where new work is to be fitted to old work, the contractor shall check all dimensions and conditions in the field, report any discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new part to the old.
- Reinforcing steel cover shall be 2 1/2" in top and 1" minimum in bottom of floor slabs, 3" in footings except bottom steel which shall be 4", and 2" in all other parts, unless noted.
- The Concrete Railings and Concrete Bridge Railing Transitions shall be Surface Sealed.

DESIGN DATA

Design Strengths:

Class "A" Concrete	f'c = 3,500 psi
Class "B" Concrete	f'c = 3,000 psi
Class "C" Concrete	f'c = 4,000 psi
Reinforcing Steel	fy = 60,000 psi
Structural Steel	fy = 50,000 psi

Structure widening designed for HL-93 loading using AASHTO LRFD 9th edition, 2020.

Dead Load: Self weight plus 35 psf for future wearing surface and 15 psf (Non-Composite) for permanent metal deck forms

Bridge Deck Overlay:
 Variable Depth (1 3/4" Min.) Latex Modified Concrete Overlay
 OR
 Variable Depth (1 3/4" Min.) Silica Fume Modified Structural Concrete

CONSTRUCTION LOADING

The Exterior Beam has been checked for Strength, Deflection, and Overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhand past the edge of the exterior beam. The finishing machine was assumed to be supported 6 in. outside the vertical coping form. The top overhand brackets were assumed to be located 6 in. past the edge of the vertical coping form. The bottom overhand brackets were assumed to be braced against the intersection of the beam bottom flange and web.

Deck Falsework Loads: Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms and 2 ft. exterior walkway.

Construction Live Load: Designed for 20 psf extending 2 ft. past the edge of coping and 75 psf vertical force applied at a distance of 6 in. outside the face of coping over a 30 ft. length of the deck centered with the finishing machine.

Finishing Machine Load: 4500 lbs distributed over 10 ft. along the coping

Wind Load: Structure designed for horizontal wind loading in accordance with LRFD 3.8.1

**I-70 OVER GREENS FORK
 CONTINUOUS COMPOSITE STEEL BEAM BRIDGE**
 5 Spans: (1) 50'-0", (3) 60'-0", (1) 50'-0"
 20°00'00" Rt. Skew
 42'-0" (WB), 42'-0" (EB) Clear Roadway
 Wayne County

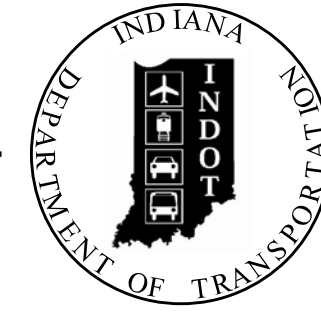
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE AS NOTED	BRIDGE FILE 170-141-04972 EEBL & EWBL
			DESIGNATION 2002432 & 2002433	
DESIGNED: IP	DRAWN: REW	PROPOSED GENERAL PLAN		
CHECKED: TCG	CHECKED: IP			
		SURVEY BOOK 8	SHEETS of 10	
		CONTRACT R-43375	PROJECT 2002424	

PROJECT	DESIGNATION
2002424	2002436 & 2002437
CONTRACT	BRIDGE FILE
R-43375	I70-145-04521 DEBL & DWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-145-04521 DEBL	CONTINUOUS COMPOSITE STEEL GIRDER BRIDGE	3 Spans: 50'-0", 60'-0", 50'-0" Skew: 33° 00' 00" Rt.	NOLAND'S FORK CREEK	536+96.87 "F"
I70-145-04521 DWBL	CONTINUOUS COMPOSITE STEEL GIRDER BRIDGE	3 Spans: 50'-0", 60'-0", 50'-0" Skew: 33° 00' 00" Rt.	NOLAND'S FORK CREEK	536+96.87 "F"

Bridge No. 15

Bridge No. 16

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Noland's Fork	Bridge
2002437	I70 WB over Noland's Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E Fk Whitewater River	Bridge
2002456	I70 WB over E FK/E Fk Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

BRIDGE PLANS

FOR SPANS OVER 20 FEET

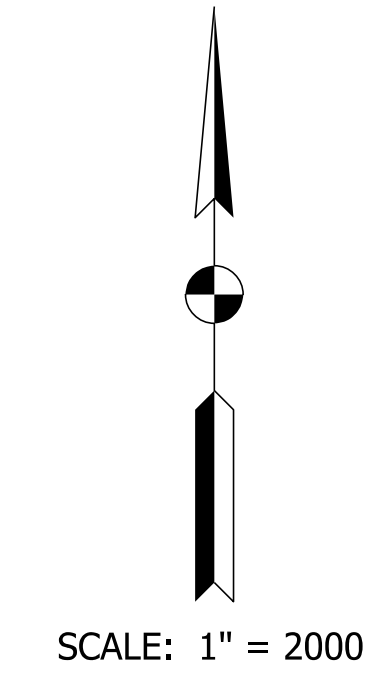
ROUTE: I-70 AT: RP 145+09

PROJECT NO. 2002436 & 2002437 P.E.

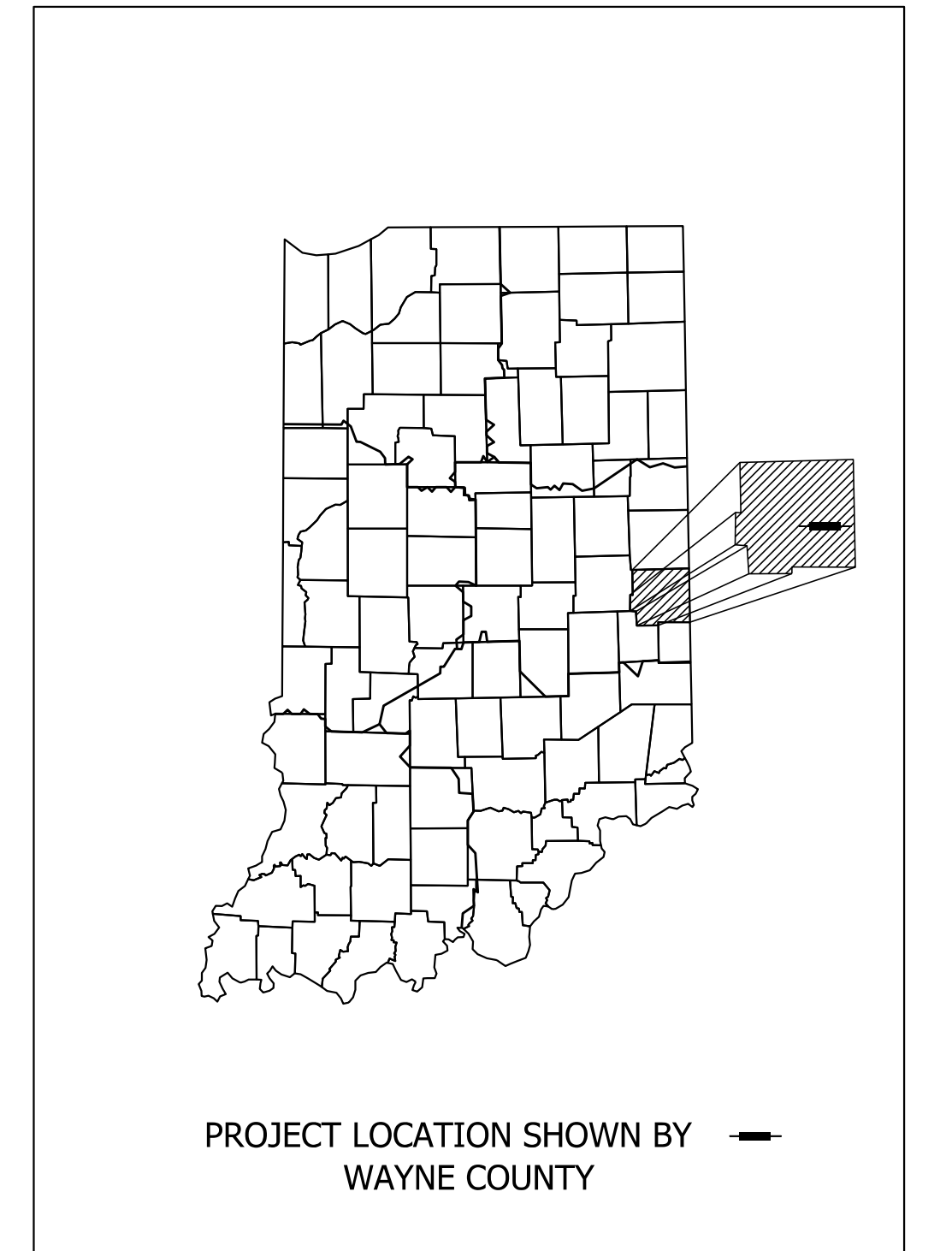
NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

2002424 CONST.

Bridge Widening and Rehabilitation on I-70 EB/WB over Noland's Fork Creek
 Located 3.96 Miles West of US 35.
 Sections 6 & 7, T-16-N, R-14-E, Center Township, Wayne County, Indiana



TRAFFIC DATA	
See Roadway Plans, Lead Des. No. 2002424	
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



LATITUDE: 39° 51' 34" N LONGITUDE: 84° 59' 58" W

BRIDGE LENGTH: 0.031 MI.
 ROADWAY LENGTH: See Plans Des. No. 2002424 MI.
 TOTAL LENGTH: See Plans Des. No. 2002424 MI.
 MAX. GRADE: +0.9% %

BRIDGE FILES:
 I70-145-04521 DEBL
 & I70-145-04521 DWBL
 DES. NO. 2002436 & 2002437
 STA. 536+96.87 "F"

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



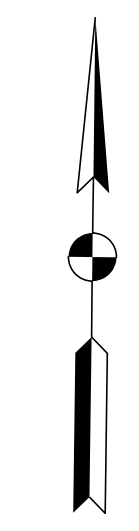
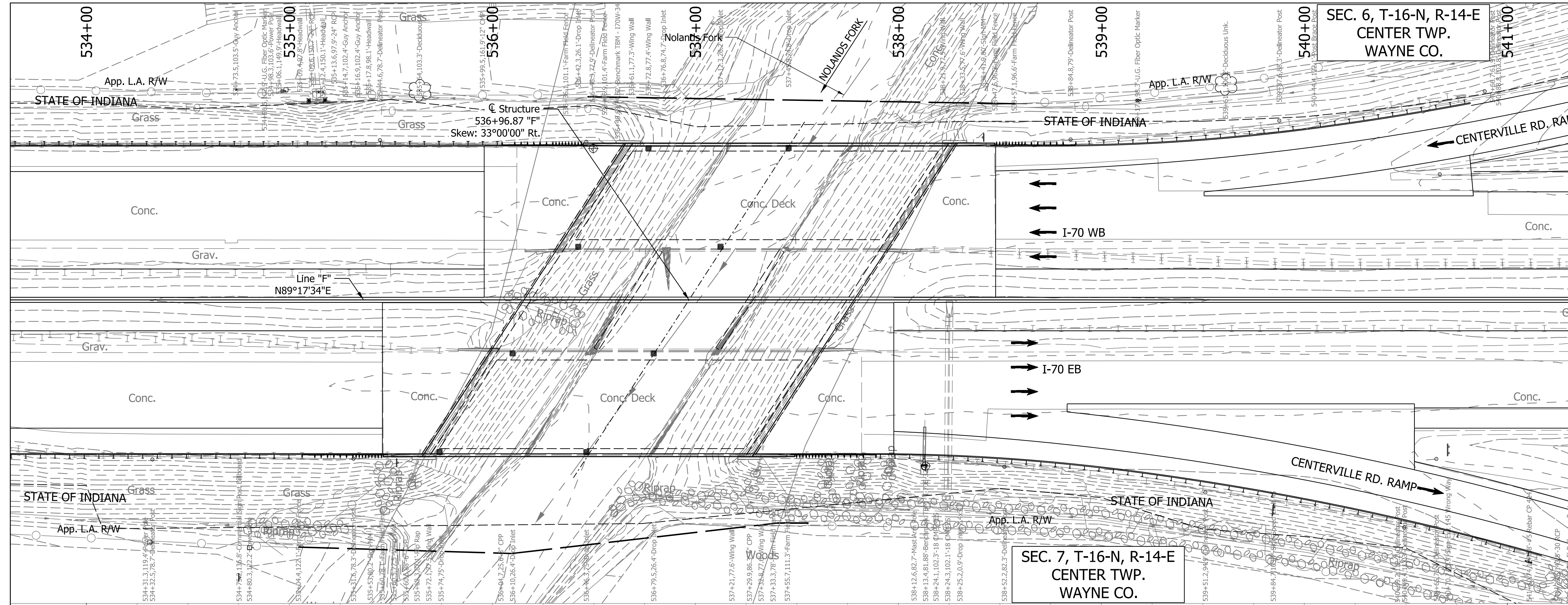
101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 (317) 616-1000

PLANS PREPARED BY:	PARSONS	317-616-1000
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
I70-145-4521DEBL & DWBL	
DESIGNATION	
2002436 & 2002437	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 8
CONTRACT	PROJECT
R-43375	2002424

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Plot: 1/31/2023 3:13 PM



HYDRAULIC DATA

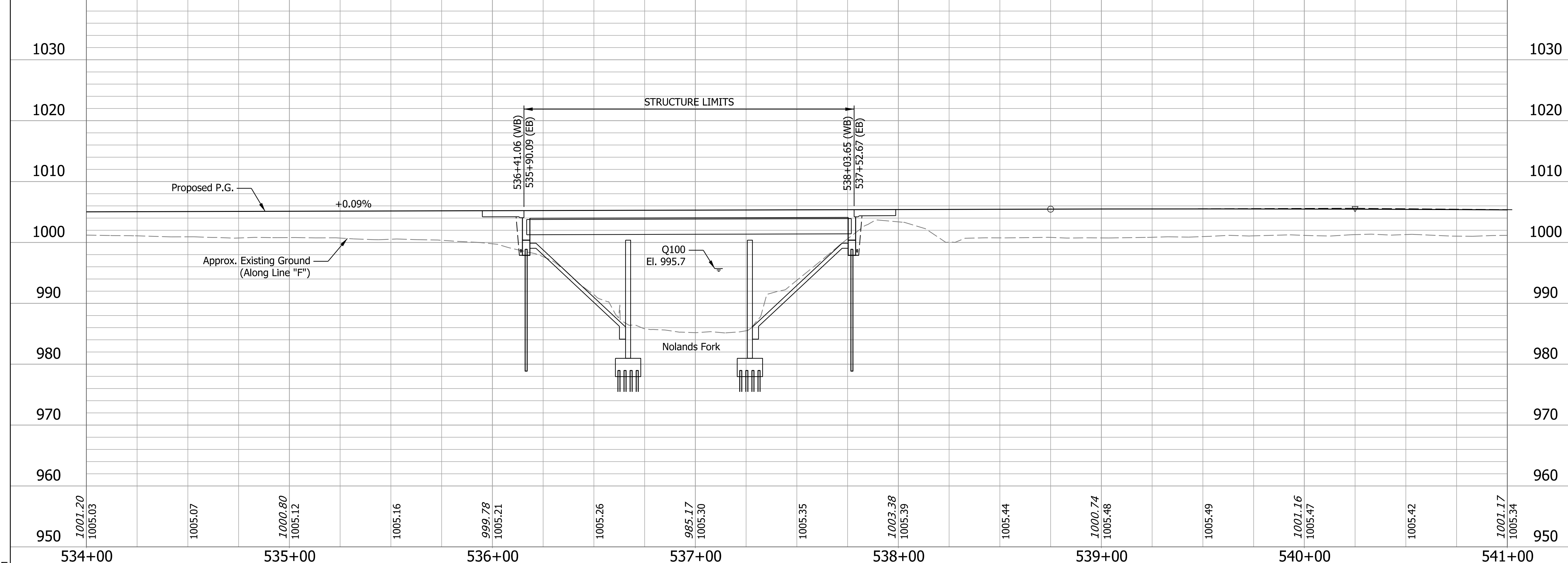
Design Discharge (Q100)	= 7160 Cfs.
Velocity (Q100)	= 12.8 Ft./Sec.
Q100 Elev.	= 995.7 Ft.
Estimated Scour (Contraction)	= 9.57 Ft.
Estimated Scour (Total)	= 20.47 Ft.

EXISTING STRUCTURE

The existing twin steel beam bridges were built in 1959 with 3 spans: 50'-0", 60'-0", 50'-0". The existing bridge was widened in 2000 with 50'-5" min. clear roadway reinforced concrete decks. Portion of Existing bridge deck, railing and substructure to be removed to accommodate median widening.

EARTHWORK TABULATION

For Earthwork Grading Tables, see Roadway Plans Des. No. 2002424.



NOTES:

For R/W, Maintenance of Traffic and Additional information see Roadway Plans Des. No. 2002424.

For Utility Contacts see Index Sheet No.2.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 3 SPANS: 50'-0", 60'-0", 50'-0"
 74'-5 1/2" CLEAR ROADWAYS;
 SKEW: 33° 00' 00" Rt.
 I-70 EBL & WBL OVER NOLANDS FORK CREEK
 WAYNE COUNTY

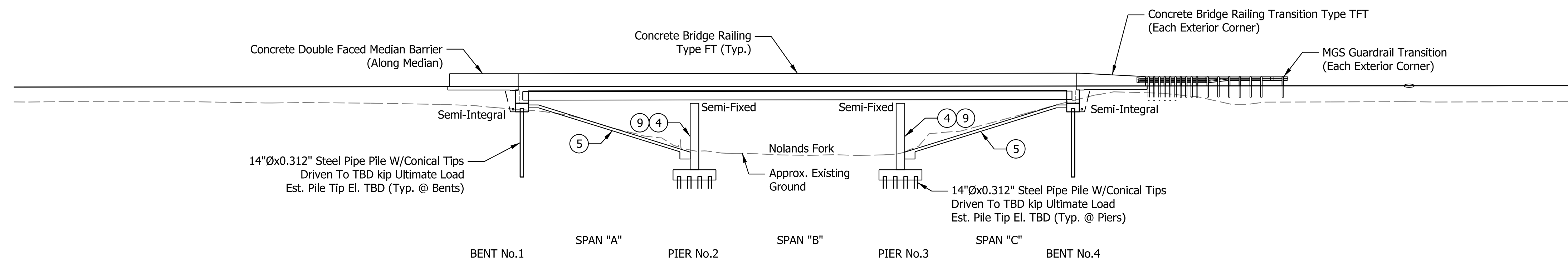
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534+00	535+00	536+00	537+00	538+00	539+00	540+00	541+00							

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	
			LAYOUT	BRIDGE FILE 170-145-4521DEBL & DWBL DESIGNATION 2002436 & 2002437
DESIGNED: SK	DRAWN: ALF		SURVEY BOOK _____ SHEETS 4 of 8	
CHECKED: BFK	CHECKED: BFK		CONTRACT R-43375 PROJECT 2002424	

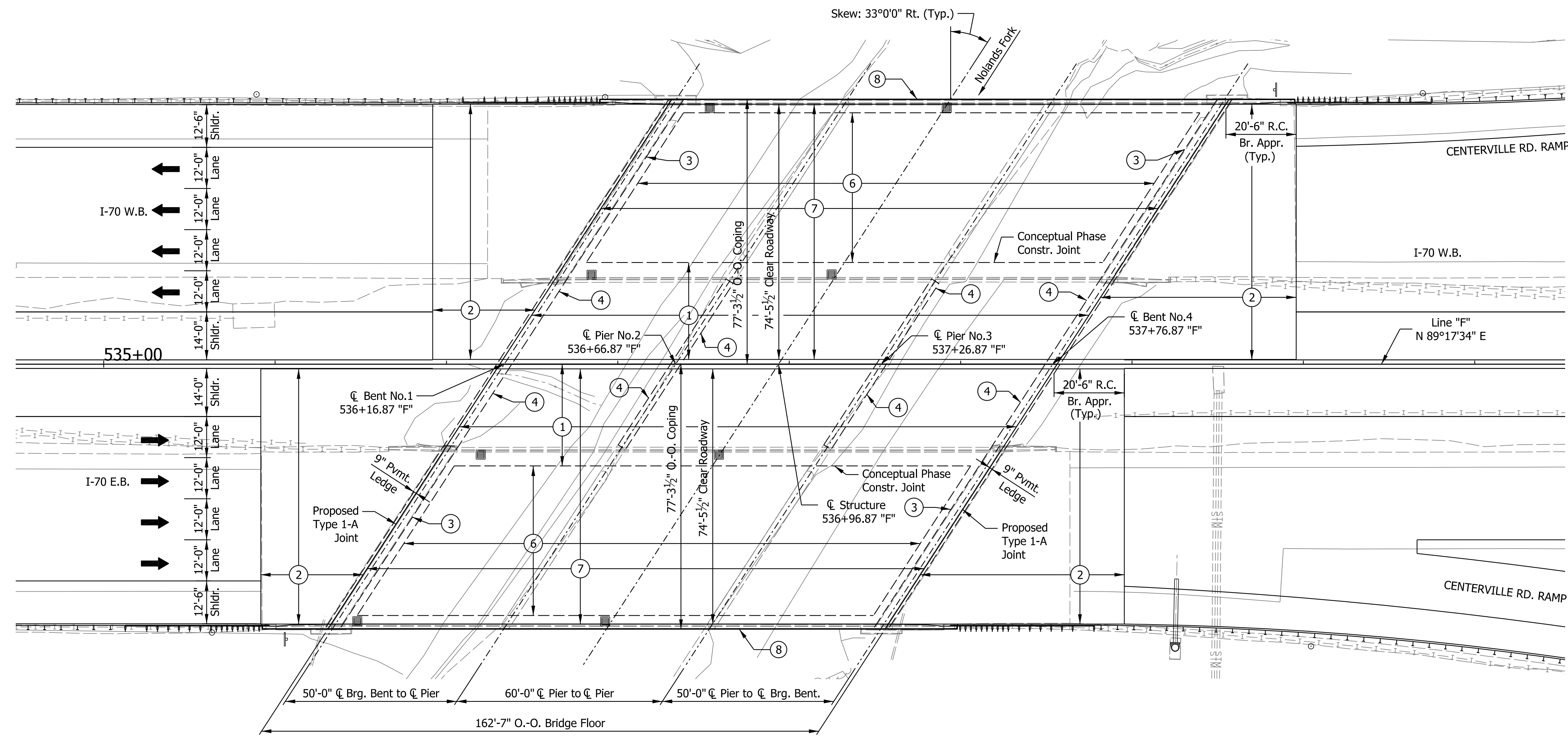
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 Model:Default

STRUCTURE TO BE BUILT TO A +0.09% GRADE



ELEVATION



PLAN

GENERAL NOTES

Reinforcing steel covering shall be 2 1/2" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.

Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-145-4521, available upon request.

DESIGN DATA

Widened Superstructure and Substructure Designed for HS20 Loading, in accordance with AASHTO Standard Specifications for Highway Bridges, 17th Edition, 2002, and its subsequent interims. Original Superstructure and substructure designed for HS20 loading in accordance with AASHTO Specifications, 1957.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface and 15 psf for SIP Metal deck forms.

FLOOR SLAB

Designed with a 7 1/2" structural depth, and a 1 3/4" min. integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete $f_c = 3,500$ p.s.i.
Class "B" Concrete $f_c = 3,000$ p.s.i.
Class "C" Concrete $f_c = 4,000$ p.s.i.

STEEL

Grade 50 $f_y = 50,000$ p.s.i.

REINFORCING STEEL

Grade 60 $f_y = 60,000$ p.s.i.

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of 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.

DECK FALSEWORK LOADS

Designed for 15 lb/Sft for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD

Designed for 20 lb/Sft extending 2-ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING MACHINE LOAD

4500 lb distributed over 10-ft along the coping.

WIND LOAD

Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA

Seismic Performance Zone Zone x
Acceleration Coefficient (S_{D1}) 0.0xx
Seismic Soil Profile Type Site Class x

LEGEND

- 1 Construct New Widened 7 1/2" Min. Concrete Deck. Along existing deck interface clean and straighten existing reinforcing.
- 2 Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
- 3 Remove and Replace 6'-0" of Existing Bridge Deck. Convert existing Expansion Bents to Semi-Integral.
- 4 Widen Existing Substructure to Accommodate New Widened Superstructure (Typ.).
- 5 Place Revetment Riprap where there is none present on Spillslopes between WBL & EBL.
- 6 Surface Mill 1/2", perform hydrodemolition, and perform partial and full depth patching.
- 7 Place new 1 3/4" Min. Rigid Deck Overlay.

LEGEND

- 8 Remove Existing FC railing and portion of coping and replace with Type FT railing.
- 9 Patch Existing Substructures as required (Est. 240 SF Total)

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
3 SPANS: 50'-0", 60'-0", 50'-0"
74'-5 1/2" CLEAR ROADWAYS;
SKEW: 33° 00' 00" Rt.
I-70 EBL & WBL OVER NOLANDS FORK CREEK
WAYNE COUNTY

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	170-145-4521DEBL & DWBL
VERTICAL SCALE	DESIGNATION
1"=20'	2002436 & 2002437
SURVEY BOOK	SHEETS
	5 of 8
CONTRACT	PROJECT
R-43375	2002424

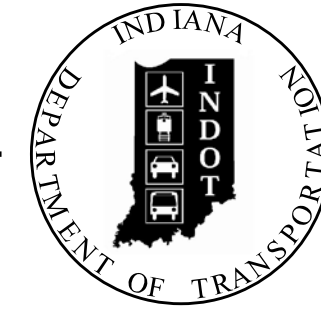
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CHECKED: BFK	CHECKED: BFK	

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Model:Default

PROJECT	DESIGNATION
2002422	2002438 & 2002439
CONTRACT	BRIDGE FILE
R-43375	I70-147-02259 DEBL & DWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-147-02259 DEBL	CONTINUOUS COMPOSITE STEEL BEAM BRIDGE	3 Spans: 67'-3", 80'-6", 67'-3" Skew: 50° 58' 30" Lt.	NORFOLK SOUTHERN RAILROAD	641+36.29 "F"
I70-147-02259 DWBL	CONTINUOUS COMPOSITE STEEL BEAM BRIDGE	3 Spans: 67'-3", 80'-6", 67'-3" Skew: 50° 58' 30" Lt.	NORFOLK SOUTHERN RAILROAD	641+36.29 "F"

Bridge No. 18

Bridge No. 19

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E Fk Whitewater River	Bridge
2002456	I70 WB over E FK/E Fk Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

BRIDGE PLANS

FOR SPANS OVER 20 FEET

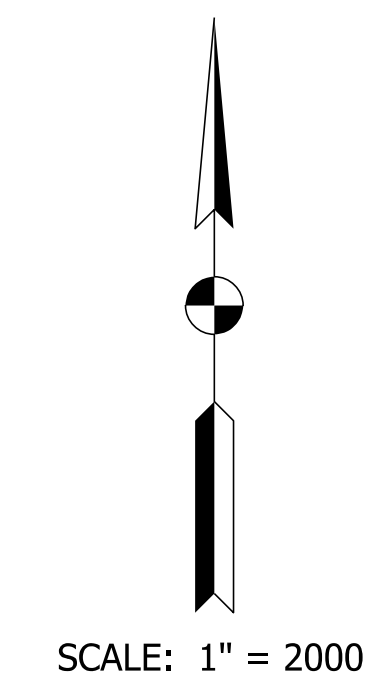
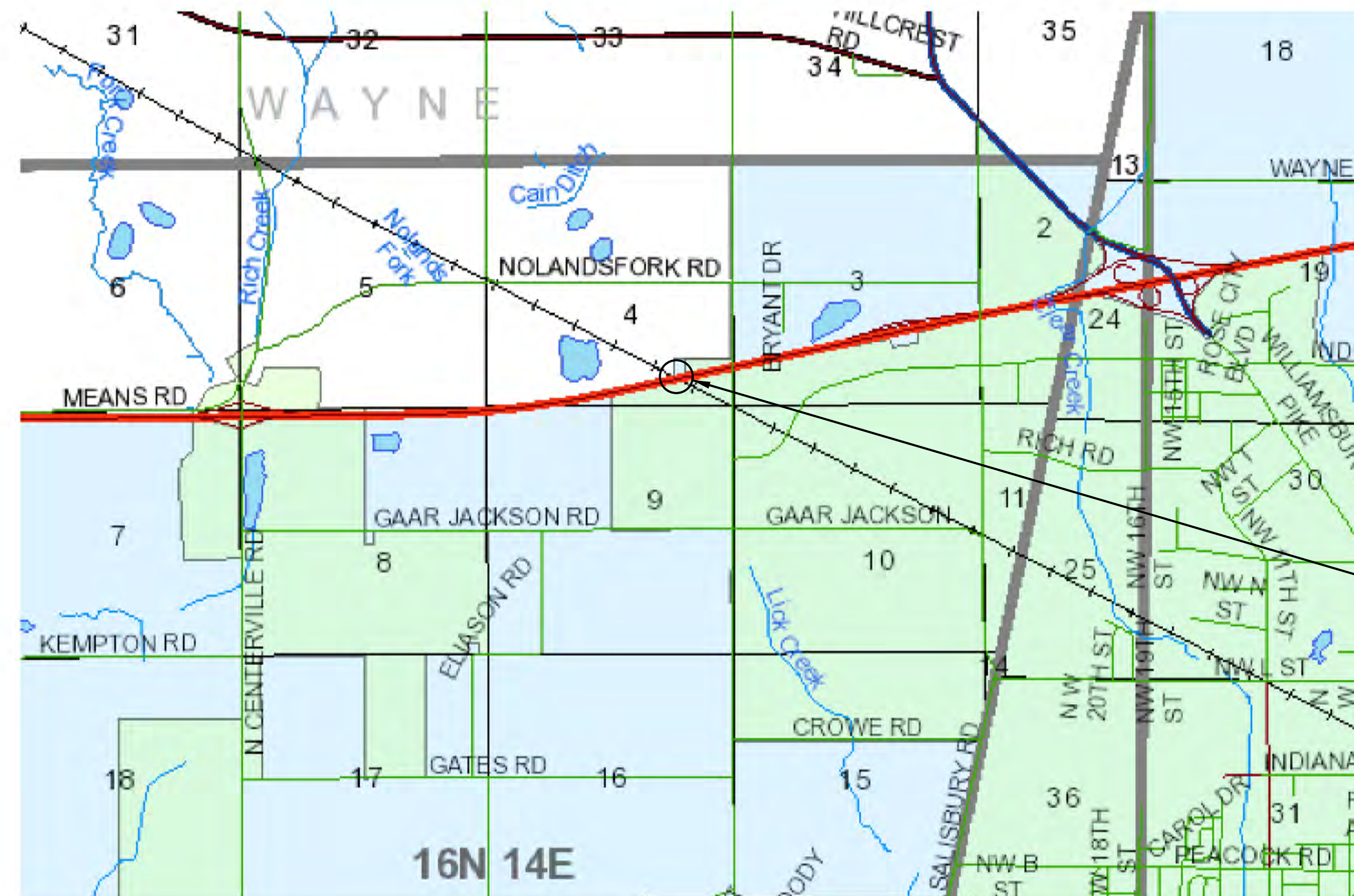
ROUTE: I-70 AT: RP 146+67

PROJECT NO. 2002438 & 2002439 P.E.

NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

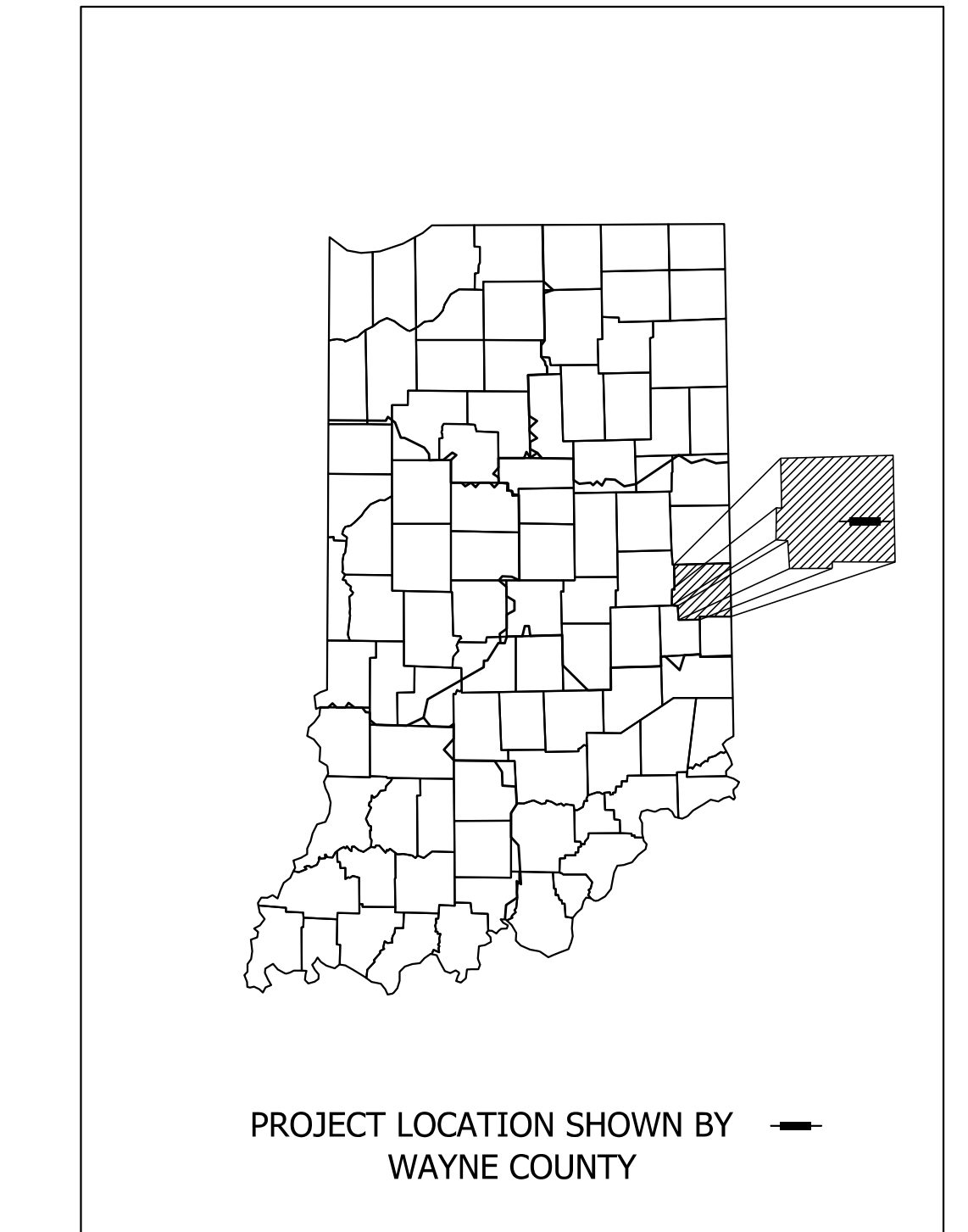
2002424 R/W CONST.

Bridge Widening and Rehabilitation on I-70 EB/WB over Norfolk Southern RR
 Located 1.97 Miles West of US 35.
 Section 4, T-16-N, R-14-E, Center Township, Wayne County, Indiana



TRAFFIC DATA		
A.A.D.T. (2028)		40,000 V.P.D.
A.A.D.T. (2048)		46,000 V.P.D.
D.H.V (2048)		3,080 V.P.H.
DIRECTIONAL DISTRIBUTION		50%
TRUCKS		53% A.A.D.T. 43% D.H.V.

DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



LATITUDE: 39° 51' 42" N LONGITUDE: 84° 57' 45" W

BRIDGE LENGTH:	0.042 MI.
ROADWAY LENGTH:	(See Roadway Plans) MI.
TOTAL LENGTH:	(See Roadway Plans) MI.
MAX. GRADE:	+2.63 %

BRIDGE FILES:
 I70-147-02259 DEBL
 & I70-147-02259 DWBL
 DES. NO. 2002438 & 2002439
 STA. 641+36.29 "F"

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

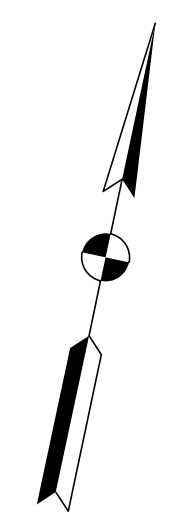
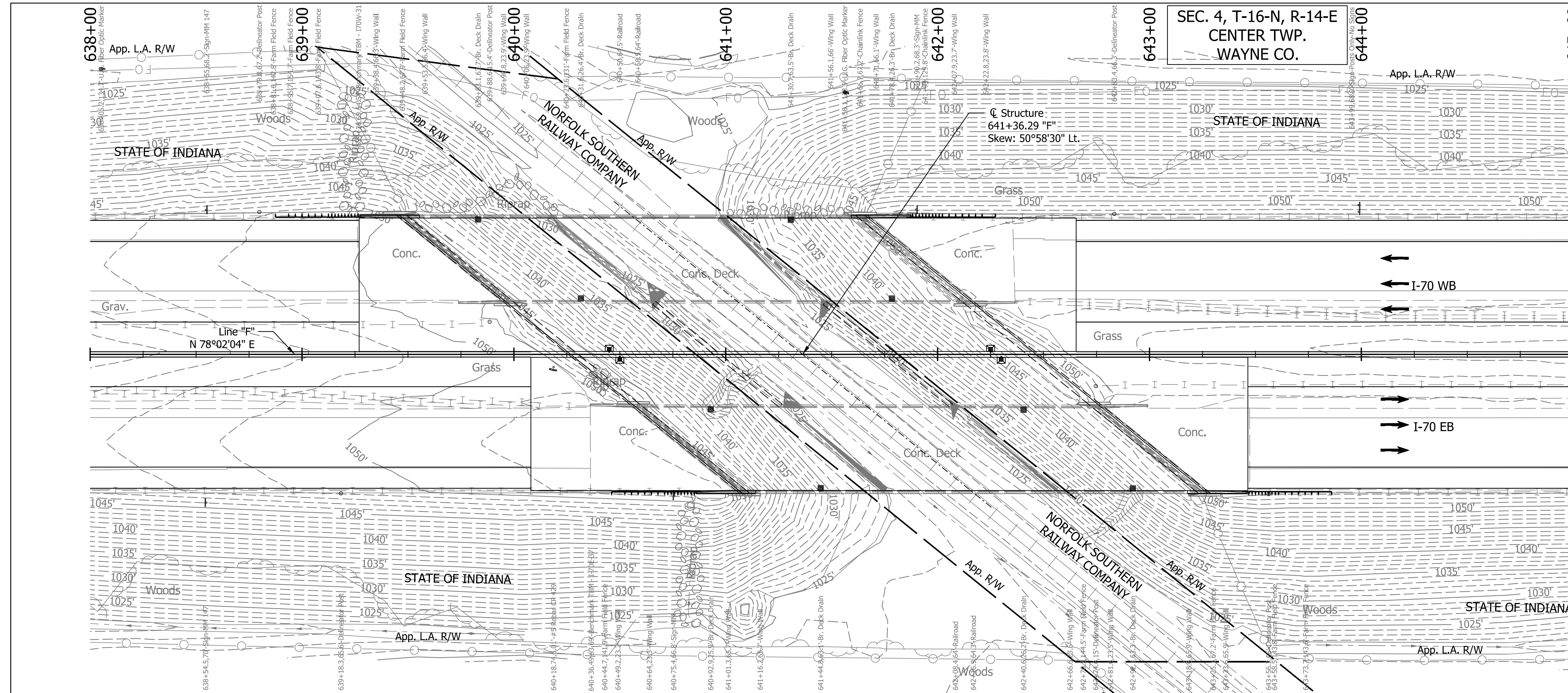
PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 (317) 616-1000

PLANS PREPARED BY:	PARSONS	317-616-1000
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
I70-147-2259 DEBL & DWBL	
DESIGNATION	
2002438 & 2002439	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 5
CONTRACT	PROJECT
R-43375	2002424

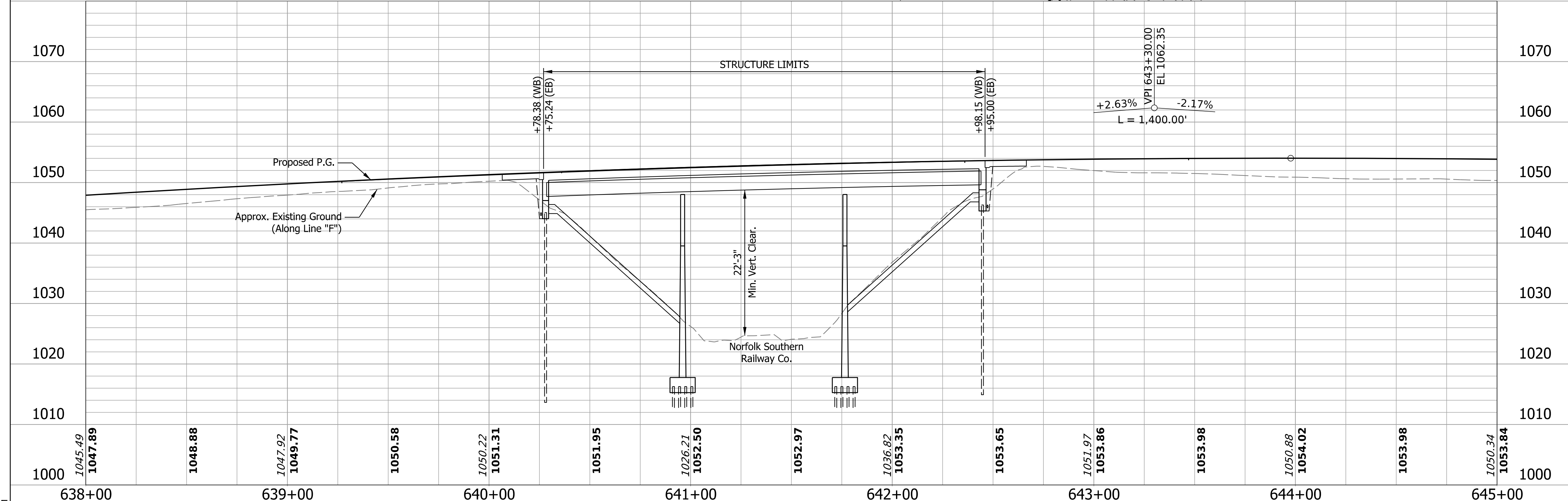
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 Model: Default



EXISTING STRUCTURE
 The existing twin steel beam bridges were built in 1959 with 3 spans: 67'-3", 80'-6", 67'-3".
 The existing bridge was widened in 2000 with 39'-0" min. clear roadway reinforced concrete decks.
 Portion of Existing bridge deck, railing and substructure to be removed to accommodate median widening.

EARTHWORK TABULATION
 For Earthwork Grading Tables, see Roadway Plans Des. No. 2002424.



NOTES:
 For R/W and Additional information see Roadway Plans Des. No. 2002424.
 For Utility Contacts see Index Sheet No.2.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 3 SPANS: 67'-3", 80'-6", 67'-3"
 62'-11 1/4" CLEAR ROADWAYS;
 SKEW: 50° 58' 30" Lt.
 I-70 EBL & WBL OVER
 NORFOLK SOUTHERN RAILWAY COMPANY
 WAYNE COUNTY

1045.49	1047.89	1048.88	1047.92	1049.77	1050.58	1050.22	1051.31	1051.95	1026.21	1052.50	1052.97	1036.82	1053.35	1053.65	1051.97	1053.86	1053.98	1050.88	1054.02	1053.98	1050.34	1053.84	
638+00	639+00		640+00		641+00		642+00		643+00		644+00		645+00										

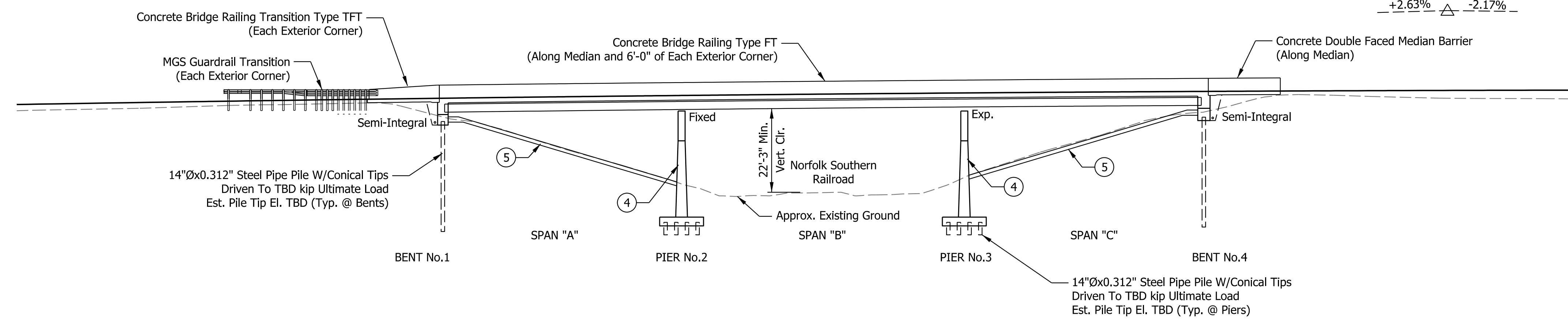
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CHECKED: BFK	CHECKED: BFK			LAYOUT	VERTICAL SCALE	DESIGNATION
					1"=10'	2002438 & 2002439
					SURVEY BOOK	SHEETS
						3 of 5
					CONTRACT	PROJECT
					R-43375	2002424

Plot: 12/30/2022 12:11 PM

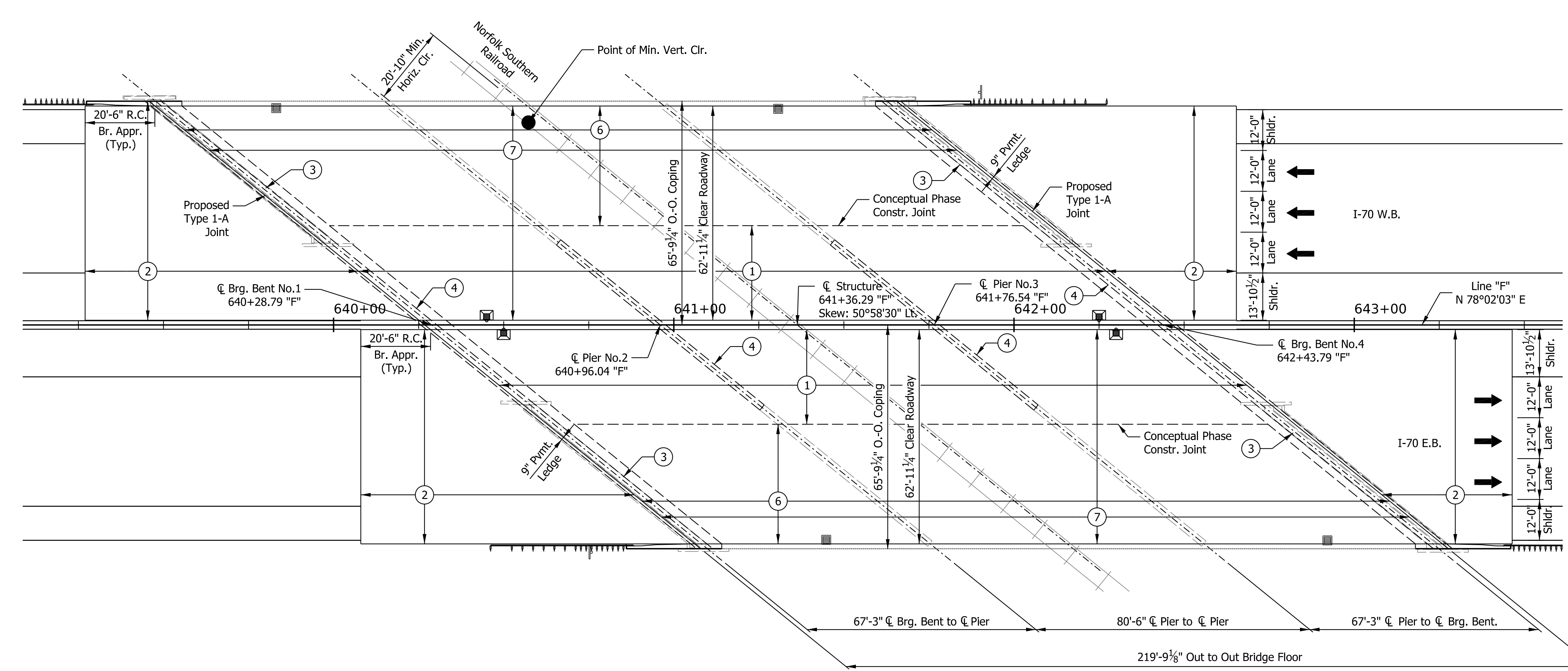
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 Model:Default

STRUCTURE TO BE BUILT TO A 1,400' VERTICAL CURVE

+2.63% Δ -2.17%



ELEVATION



PLAN

GENERAL NOTES

Reinforcing steel covering shall be 2 1/2" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.

Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-146-2259, available upon request.

DESIGN DATA

Widened Superstructure and Substructure Designed for HS-20 Loading, in accordance with AASHTO Standard Specifications for Highway Bridges, 17th Edition, 2002, and its subsequent interims.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface and 15 psf for SIP Metal deck forms.

FLOOR SLAB

Designed with a 7 1/2" structural depth, and a 1 3/4" integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete $f_c = 3,500$ p.s.i.
 Class "B" Concrete $f_c = 3,000$ p.s.i.
 Class "C" Concrete $f_c = 4,000$ p.s.i.

STEEL

Grade 50 $f_y = 50,000$ p.s.i.

REINFORCING STEEL

Grade 60 $f_y = 60,000$ p.s.i.

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of 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.

DECK FALSEWORK LOADS

Designed for 15 lb/Sft for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD

Designed for 20 lb/Sft extending 2-ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING MACHINE LOAD

4500 lb distributed over 10-ft along the coping.

WIND LOAD

Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA

Seismic Performance Zone Zone x
 Acceleration Coefficient (S_{D1}) 0.xxx
 Seismic Soil Profile Type Site Class x

LEGEND

- ① Construct New Widened 7 1/2" Min. Concrete Deck. Along existing deck interface clean and straighten existing reinforcing.
- ② Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
- ③ Remove and Replace 6'-0" of Existing Bridge Deck. Convert existing Expansion Bents to Semi-Integral.
- ④ Widen Existing Substructure to Accommodate New Widened Superstructure (Typ.).
- ⑤ Place Retment Riprap where there is none present on Spillslopes between WBL & EBL.
- ⑥ Surface Mill 1/2", perform soundings and chipping as required, and patch with partial depth patching.
- ⑦ Place new 1 3/4" Rigid Deck Overlay to account for profile grade adjustment.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES

3 SPANS: 67'-3", 80'-6", 67'-3"

62'-11 1/4" CLEAR ROADWAYS;

SKEW: 50° 58' 30" Lt.

I-70 EBL & WBL OVER

NORFOLK SOUTHERN RAILWAY COMPANY

WAYNE COUNTY

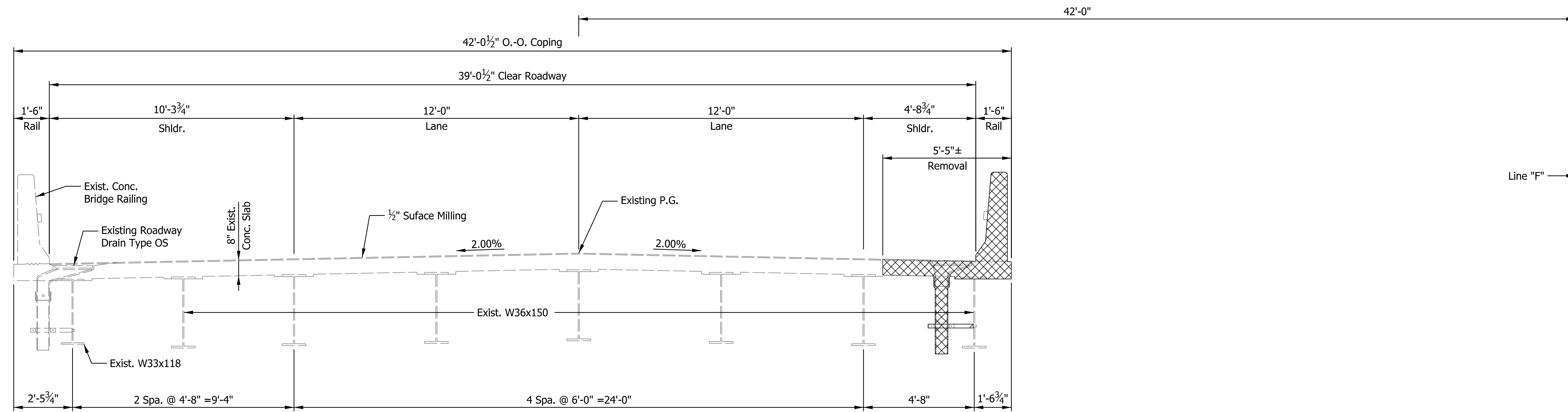
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CHECKED: BFK	CHECKED: BFK	

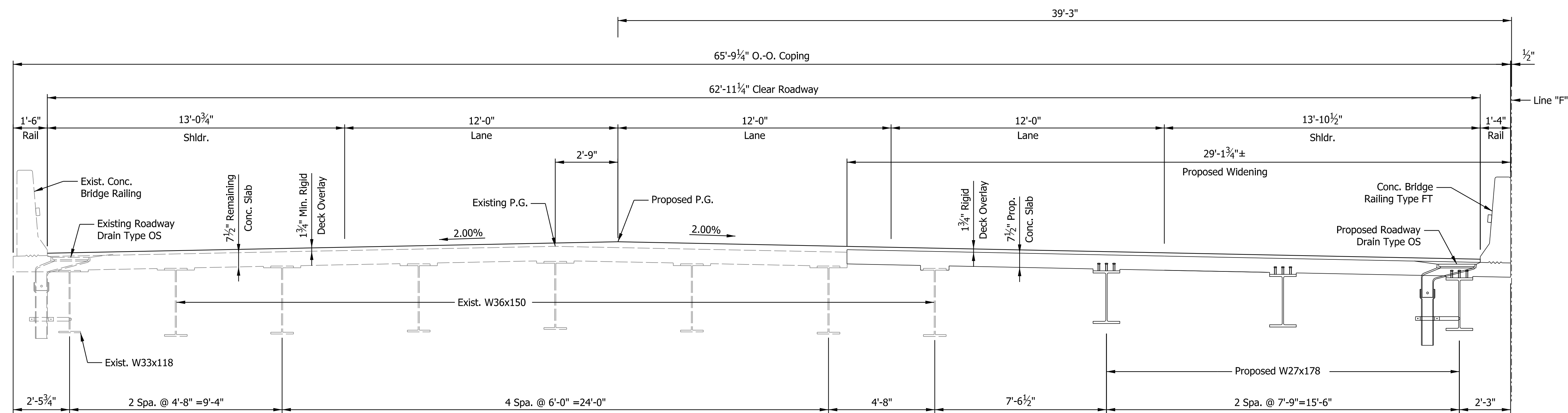
INDIANA DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN	

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	I70-147-2259 DEBL & DWBL
VERTICAL SCALE	DESIGNATION
1"=20'	2002438 & 2002439
SURVEY BOOK	SHEETS
	4 of 5
CONTRACT	PROJECT
R-43375	2002424



EXISTING TYPICAL SECTION - W.B.
W.B. SHOWN, E.B. SIMILAR BY OPPOSITE HAND

NOTE:
Hatched Area Indicates Limits of Removal.



PROPOSED TYPICAL SECTION - W.B.
W.B. SHOWN, E.B. SIMILAR BY OPPOSITE HAND

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
3 SPANS: 67'-3", 80'-6", 67'-3"
62'-11 1/4" CLEAR ROADWAYS;
SKEW: 50° 58' 30" Lt.
I-70 EBL & WBL OVER
NORFOLK SOUTHERN RAILWAY COMPANY
WAYNE COUNTY

Plot: 12/30/2022 12:11 PM

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SK	DRAWN: ALF	
CHECKED: BFK	CHECKED: BFK	

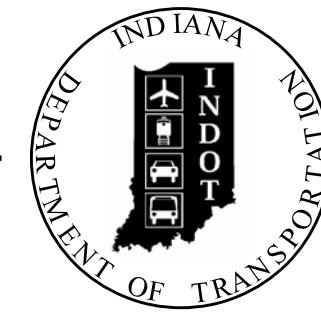
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
3/8" = 1'-0"	I70-147-2259 DEBL & DWBL
VERTICAL SCALE	DESIGNATION
3/8" = 1'-0"	2002438 & 2002439
SURVEY BOOK	SHEETS
	5 of 5
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002424	2002440 & 2002441
CONTRACT	BRIDGE FILE
R-43375	I70-147-04523 CEBL & DWBL

INDIANA DEPARTMENT OF TRANSPORTATION



TRAFFIC DATA

See Roadway Plans, Lead Des. No. 2002424

STRUCTURE INFORMATION

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-147-04523 CEBL	CONTINUOUS REINFORCED CONCRETE SLAB BRIDGE	3 Spans: 32'-0", 40'-0", 32'-0" Skew: 11°51'30" Rt.	ROUND BARN ROAD	653+77.33 "F"
I70-147-04523 DWBL	CONTINUOUS REINFORCED CONCRETE SLAB BRIDGE	3 Spans: 32'-0", 40'-0", 32'-0" Skew: 11°51'30" Rt.	ROUND BARN ROAD	653+77.33 "F"

Bridge No. 20

Bridge No. 21

DESIGN DATA

DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-70 AT: RP 146+90

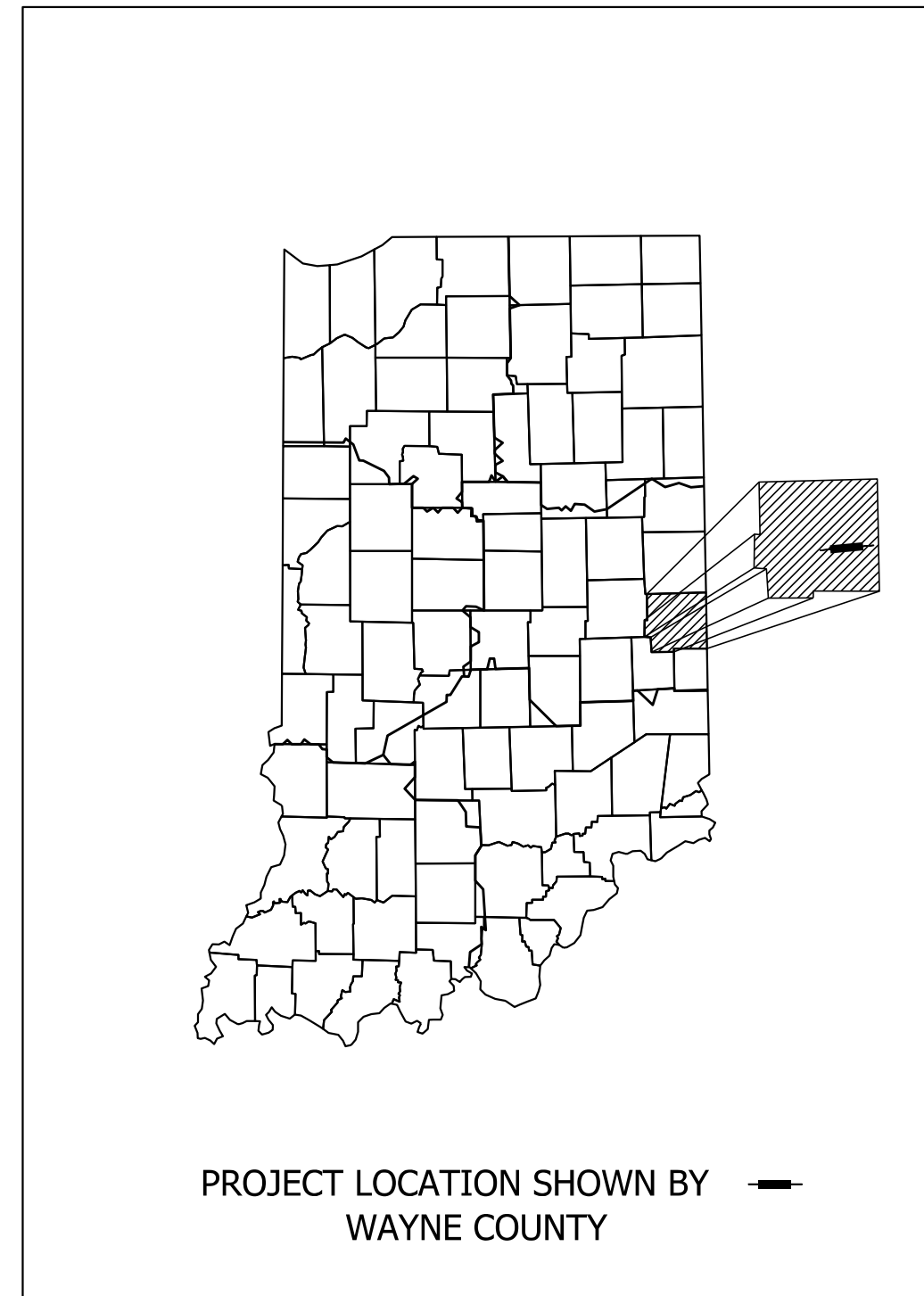
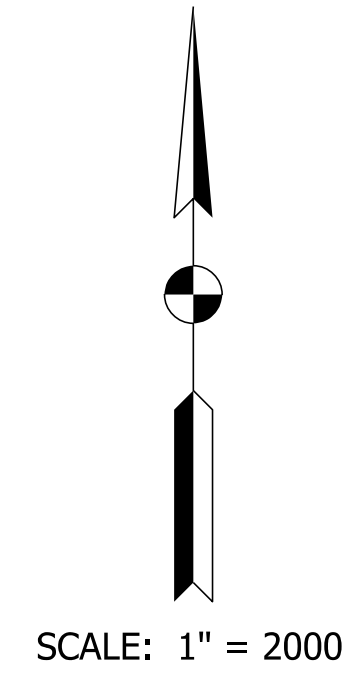
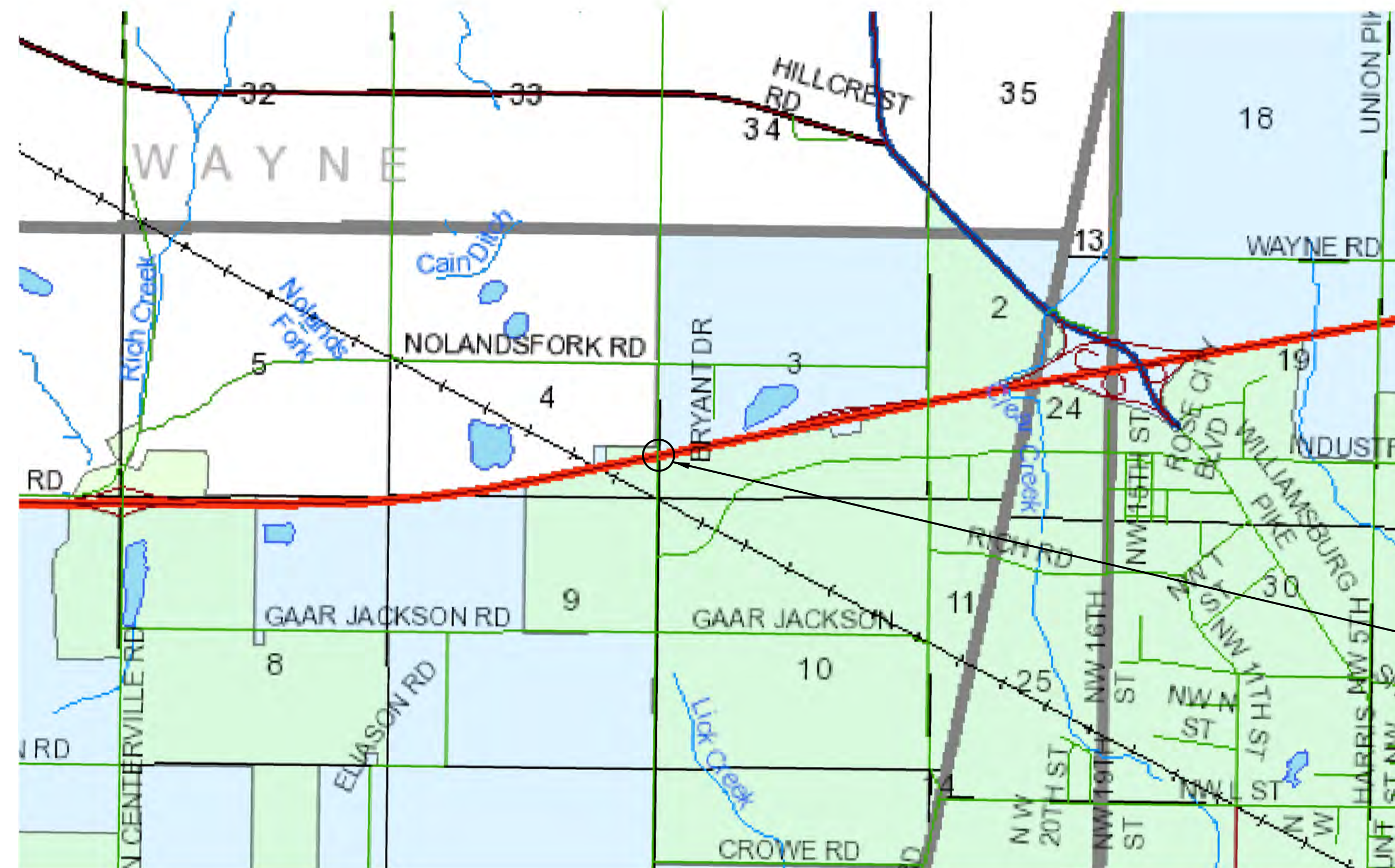
PROJECT NO. 2002440 & 2002441 P.E.

NO ADDITIONAL RIGHT-OF-WAY
REQUIRED FOR THIS PROJECT R/W
2002424 CONST.

Bridge Widening and Rehabilitation on I-70 EB/WB over Round Barn Road
Located 1.74 Miles West of US 35.
Sections 3&4, T-16-N, R-14-E, Center Township, Wayne County, Indiana

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E Fk Whitewater River	Bridge
2002456	I70 WB over E FK/E Fk Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.



LATITUDE: 39° 51' 45" N LONGITUDE: 84° 57' 30" W

BRIDGE LENGTH: 0.020 MI.
ROADWAY LENGTH: See Plans (Des. 2002424) MI.
TOTAL LENGTH: See Plans (Des. 2002424) MI.
MAX. GRADE: -2.17 %

BRIDGE FILES:
I70-147-04523 CEBL
& I70-147-04523 DWBL
DES. NO. 2002440 & 2002441
STA. 653+77.33 "F"

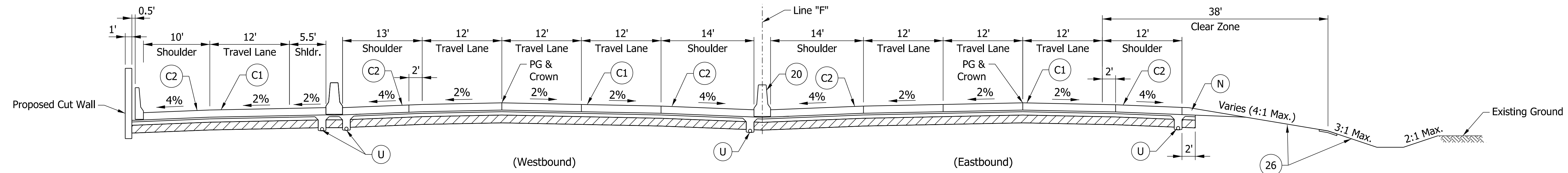
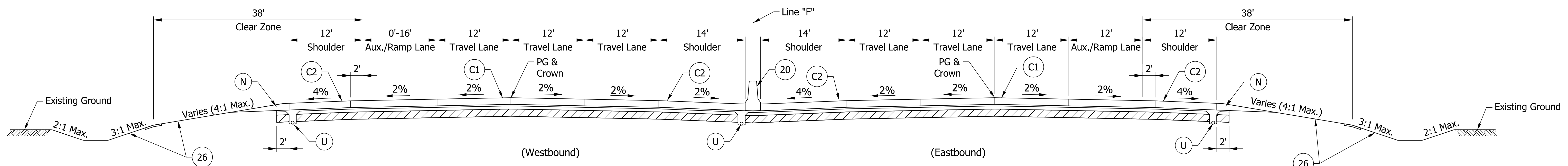
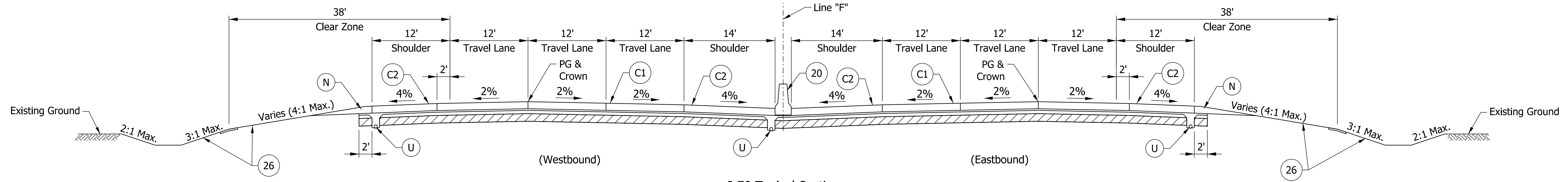
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
(317) 616-1000

PLANS PREPARED BY: PARSONS 317-616-1000 PHONE NUMBER
CERTIFIED BY: _____ DATE
APPROVED FOR LETTING: _____ DATE
INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE FILE	
I70-147-04523 CEBL&DWBL	
DESIGNATION	
2002440 & 2002441	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 8
CONTRACT	PROJECT
R-43375	2002424

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Model:Default



PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

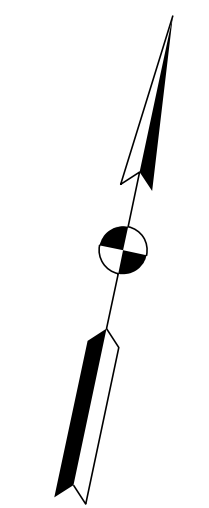
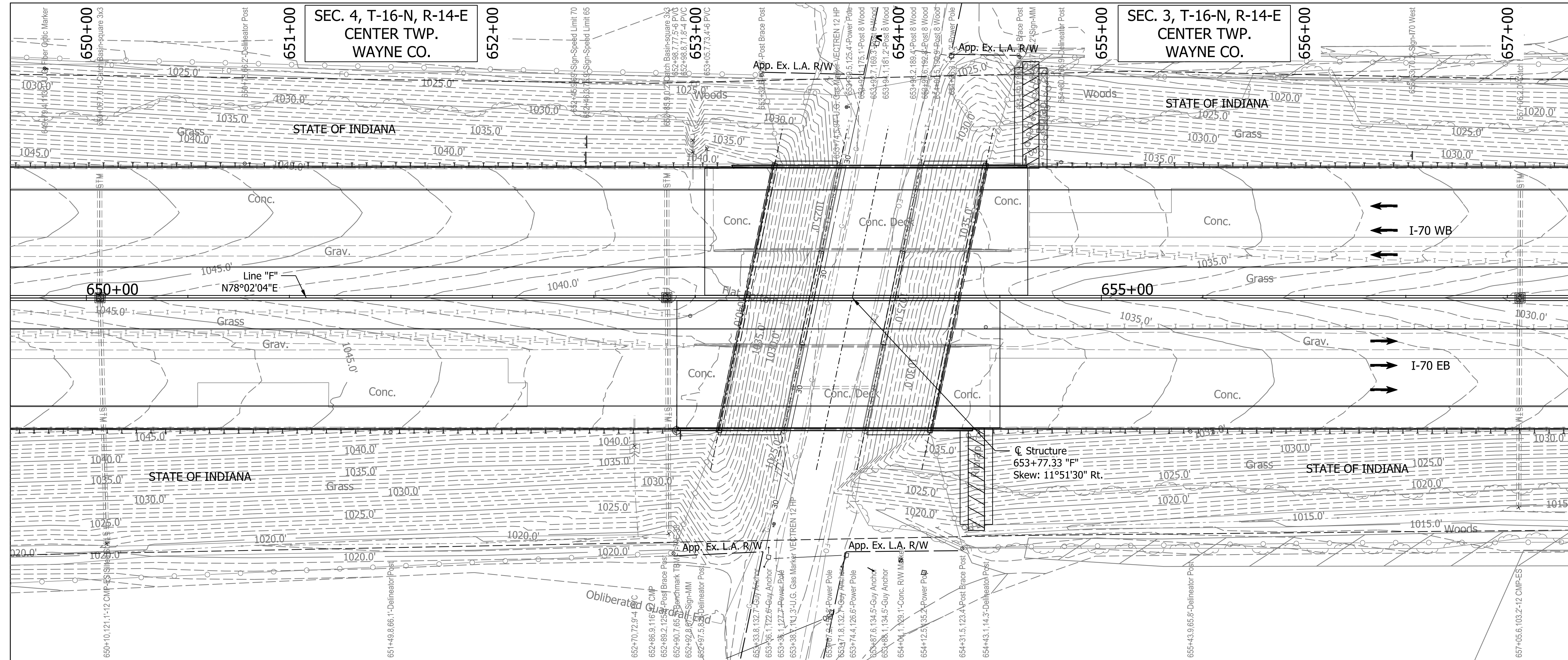
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DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

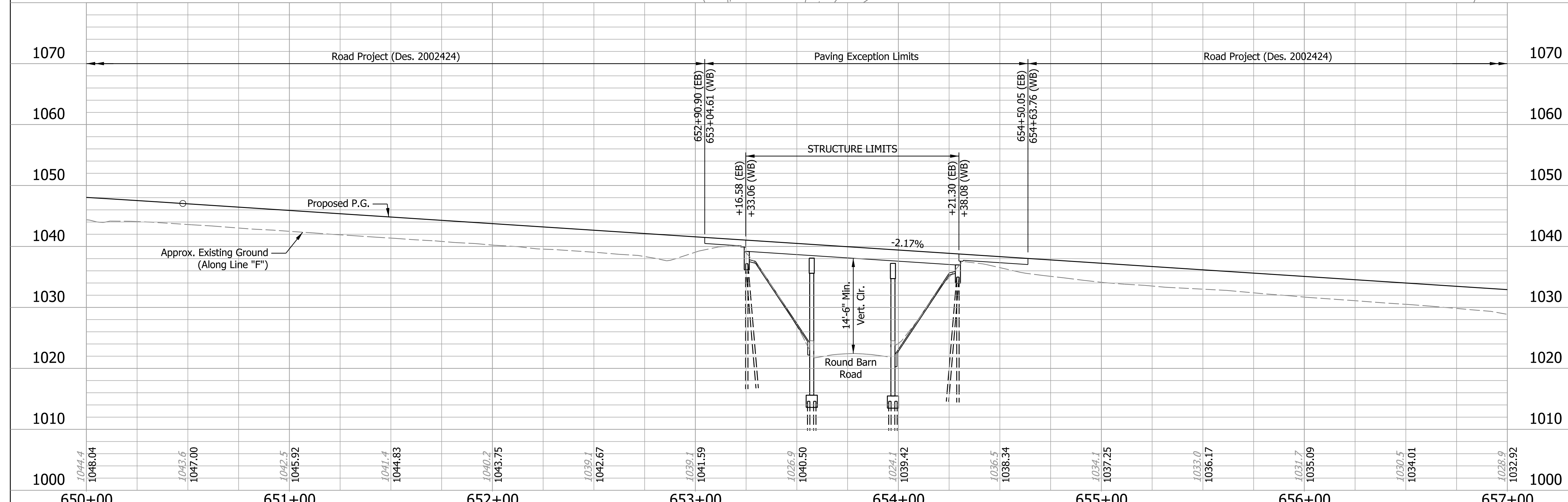
HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	DESIGNATION
VERTICAL SCALE	2002424
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 8
CONTRACT	PROJECT
R-43375	2002424

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 \$DATE\$



EXISTING STRUCTURE
 The existing concrete slab bridges were built in 1959 with 3 spans: 32'-0", 40'-0", 32'-0" with 39'-6" clear roadway reinforced concrete decks. Existing bridge deck, railing, and portion of substructure to be removed to accommodate median widening.

EARTHWORK TABULATION
 For Earthwork Grading Tables see, Roadway Plans Des. No. 2002424.



NOTES:
 For R/W, Maintenance of Traffic, and Additional information see Roadway Plans Des. No. 2002424.
 For Utility Contacts see Index Sheet No.2.

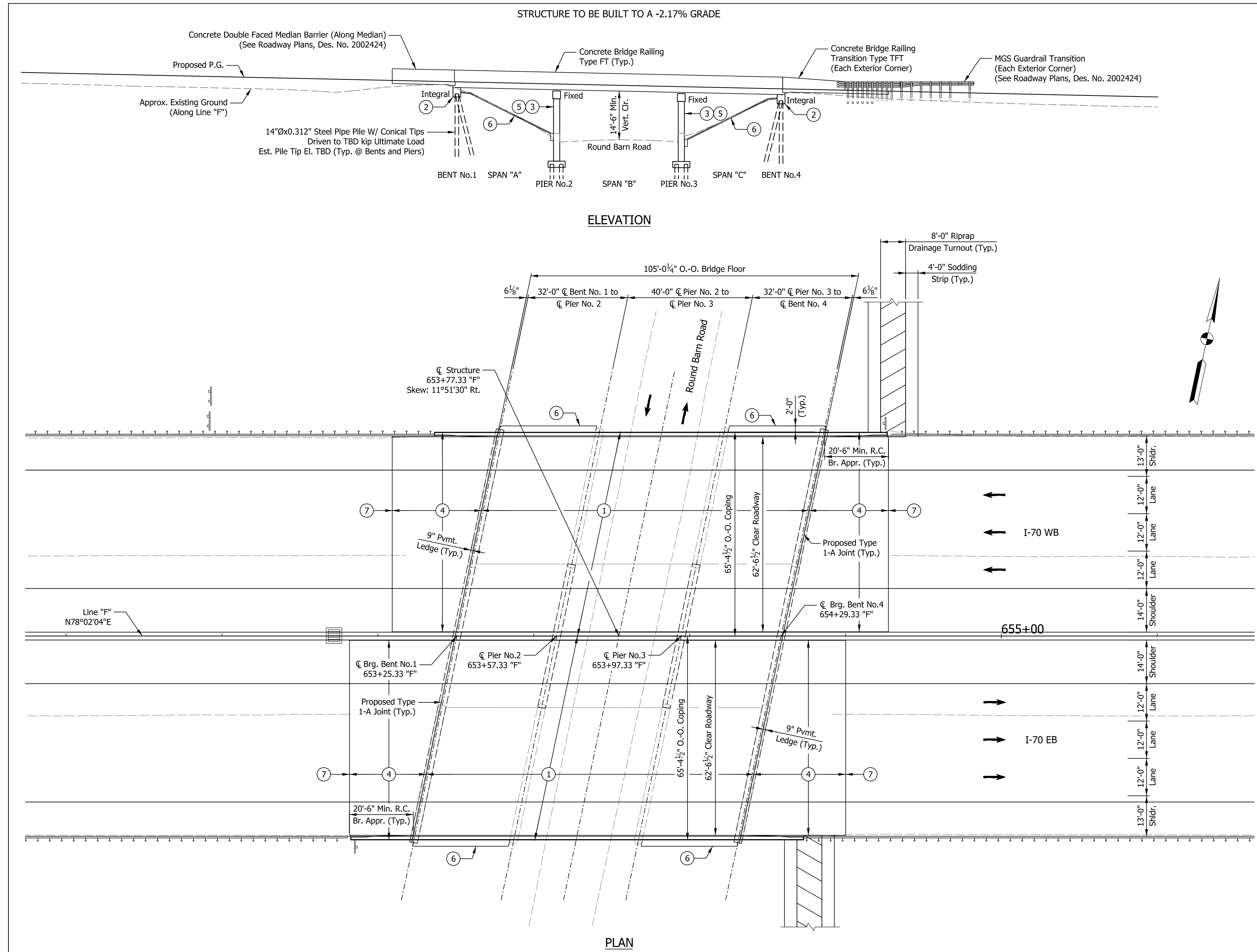
CONTINUOUS REINFORCED CONCRETE SLAB BRIDGES
 3 SPANS: 32'-0", 40'-0", 32'-0";
 62'-6 1/2" WBL & EBL CLEAR ROADWAYS;
 SKEW: 11°51'30" Rt.
 I-70 EBL & WBL OVER ROUND BARN ROAD
 WAYNE COUNTY

1044.4 1048.04	1043.6 1047.00	1042.5 1045.92	1041.4 1044.83	1040.2 1043.75	1039.1 1042.67	1038.1 1041.59	1036.9 1040.50	1034.1 1039.42	1036.5 1038.34	1034.1 1037.25	1033.0 1036.17	1031.7 1035.09	1030.5 1034.01	1028.9 1032.92
650+00	651+00	652+00	653+00	654+00	655+00	656+00	657+00							

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
	DESIGNED: SK		DRAWN: JEW			1"=30'		I70-147-04523 CE&L&DWBL	
	CHECKED: BFK		CHECKED: BFK			VERTICAL SCALE		DESIGNATION	
				LAYOUT		1"=10'		2002440 & 2002441	
						SURVEY BOOK		SHEETS	
						ELECTRONIC		4 of 8	
						CONTRACT		PROJECT	
						R-43375		2002424	

Plot: 3/24/2023 10:40 AM

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 Model: Default



STRUCTURE TO BE BUILT TO A -2.17% GRADE

ELEVATION

PLAN

GENERAL NOTES

Reinforcing steel covering shall be 3" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.

Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-147-04523, available upon request.

DESIGN DATA

Substructure designed for HS 20-44 Loading in accordance with 1957 AASHTO Specifications. New Superstructure Designed for HL-93 Loading, in accordance with AASHTO LRFD Bridge Design Specifications, 9th Edition.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface.

FLOOR SLAB

Designed with a 1'-10" structural depth, and a 1 1/2" min. integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete $f_c = 3,500$ p.s.i.
 Class "B" Concrete $f_c = 3,000$ p.s.i.
 Class "C" Concrete $f_c = 4,000$ p.s.i.

REINFORCING STEEL

Grade 60 $f_y = 60,000$ p.s.i.

WIND LOAD

Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA

Seismic Performance Zone Zone x
 Acceleration Coefficient (S_{D1}) 0.xxx
 Seismic Soil Profile Type Site Class x

LEGEND

- ① Remove and replace the existing reinforced concrete slab.
- ② Replace and widen End Bents to Accomodate New Widened Deck.
- ③ Widen Existing Piers to Accomodate New Widened Deck.
- ④ Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
- ⑤ Patch existing substructures as required. (Est. 80 SFT Total)
- ⑥ Remove and replace the existing concrete slopewalls.
- ⑦ Terminal Joint, Type CRCP. (See Roadway Plans Des. No. 2002424)

CONTINUOUS REINFORCED CONCRETE SLAB BRIDGES
 3 SPANS: 32'-0", 40'-0", 32'-0";
 62'-6 1/2" WBL & EBL CLEAR ROADWAYS;
 SKEW: 11°51'30" Rt.
 I-70 EBL & WBL OVER ROUND BARN ROAD
 WAYNE COUNTY

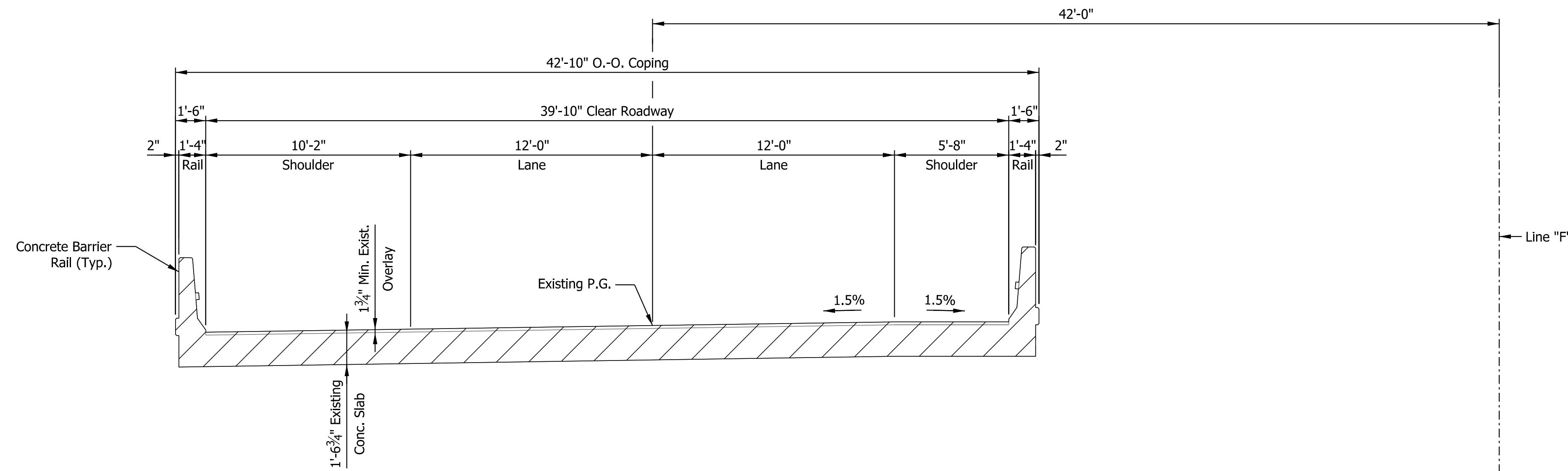
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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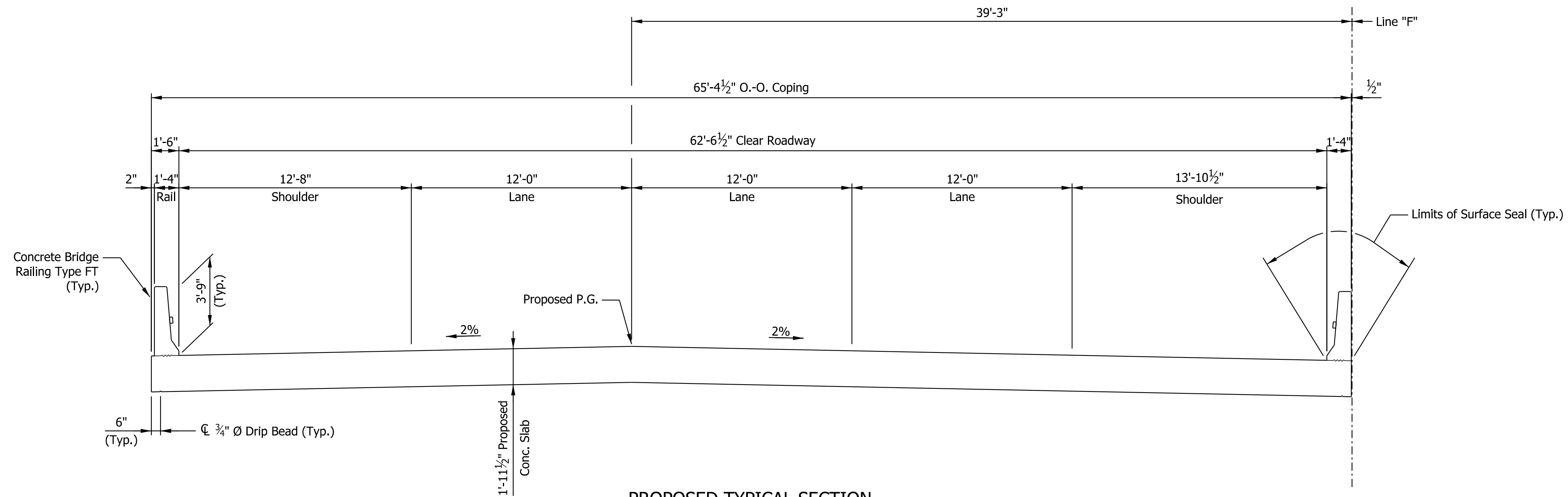
INDIANA DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1/16"=1'-0"	I70-147-04523 CEBL&DWBL
VERTICAL SCALE	DESIGNATION
1/16"=1'-0"	2002440 & 2002441
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 8
CONTRACT	PROJECT
R-43375	2002424



EXISTING TYPICAL SECTION
WBL SHOWN, EBL SAME BY OPPOSITE HAND

NOTE: Hatched Area Indicates Limits of Removal



PROPOSED TYPICAL SECTION
WBL SHOWN, EBL SAME BY OPPOSITE HAND

CONTINUOUS REINFORCED CONCRETE SLAB BRIDGES
3 SPANS: 32'-0", 40'-0", 32'-0";
62'-6 1/2" WBL & EBL CLEAR ROADWAYS;
SKEW: 11°51'30" Rt.
I-70 EBL & WBL OVER ROUND BARN ROAD
WAYNE COUNTY

PLOT: 3/27/2023 11:18 AM

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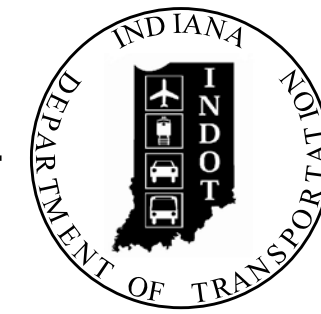
INDIANA DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN	

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	I70-147-04523 CE&L&DWBL
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	2002440 & 2002441
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 8
CONTRACT	PROJECT
R-43375	2002424

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Model: Default

PROJECT	DESIGNATION
2002424	2002442 & 2002443
CONTRACT	BRIDGE FILE
R-43375	I70-148-04525 DEBL & JDWB

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-148-04525 DEBL	CONTINUOUS CONCRETE SLAB BRIDGE	3 Spans: 24'-0", 30'-0", 24'-0" Skew: SQUARE	CLEAR CREEK	724+04.24 "F"
I70-148-04525 JDWB	CONTINUOUS CONCRETE SLAB BRIDGE	3 Spans: 24'-0", 30'-0", 24'-0" Skew: SQUARE	CLEAR CREEK	724+04.24 "F"

Bridge No. 22

Bridge No. 23

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E FK Whitewater River	Bridge
2002456	I70 WB over E FK/E FK Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

BRIDGE PLANS

FOR SPANS OVER 20 FEET

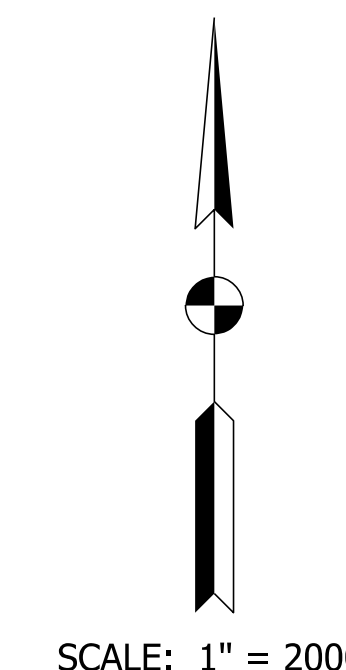
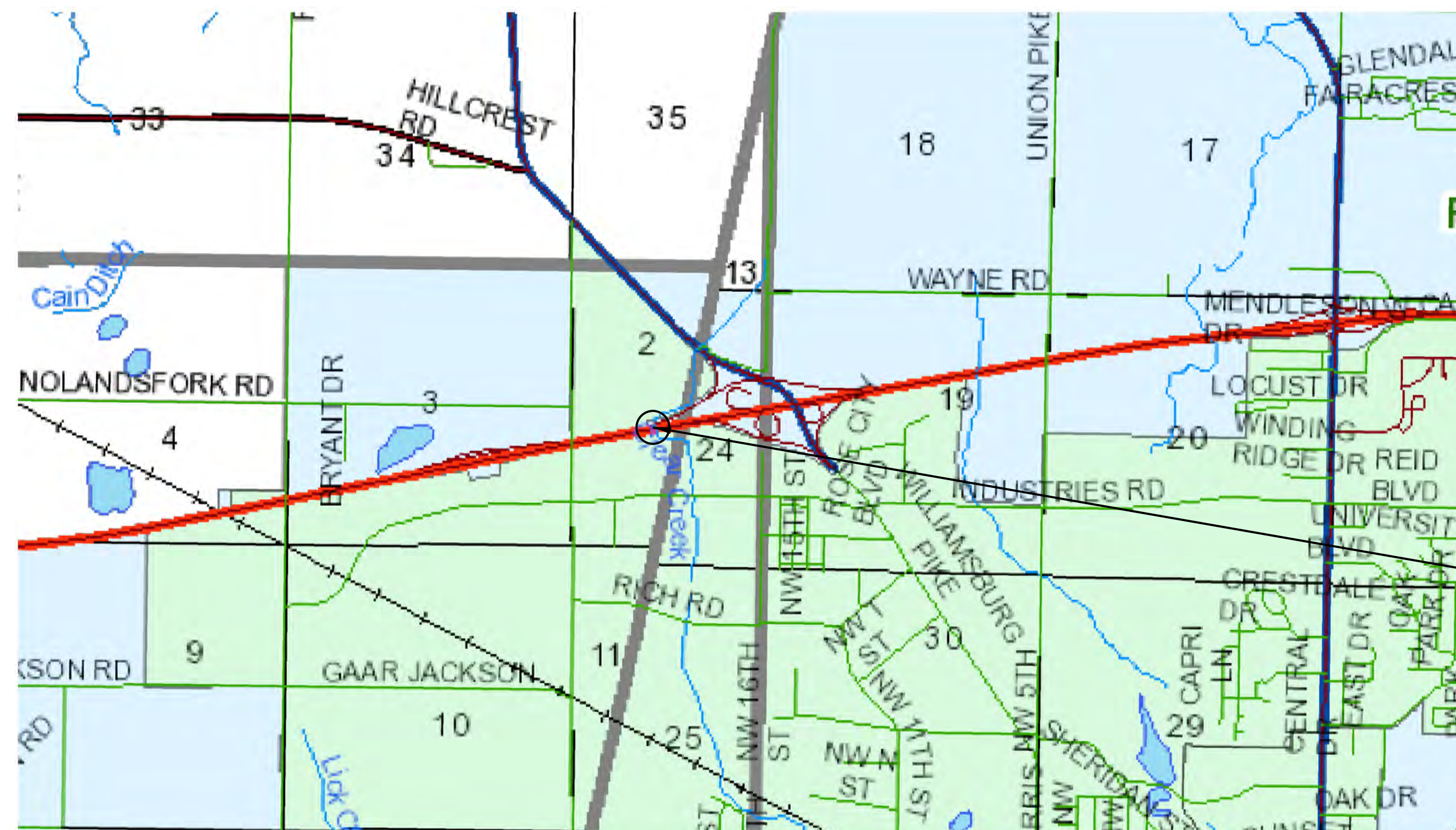
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PROJECT NO. 2002442 & 2002443 P.E.

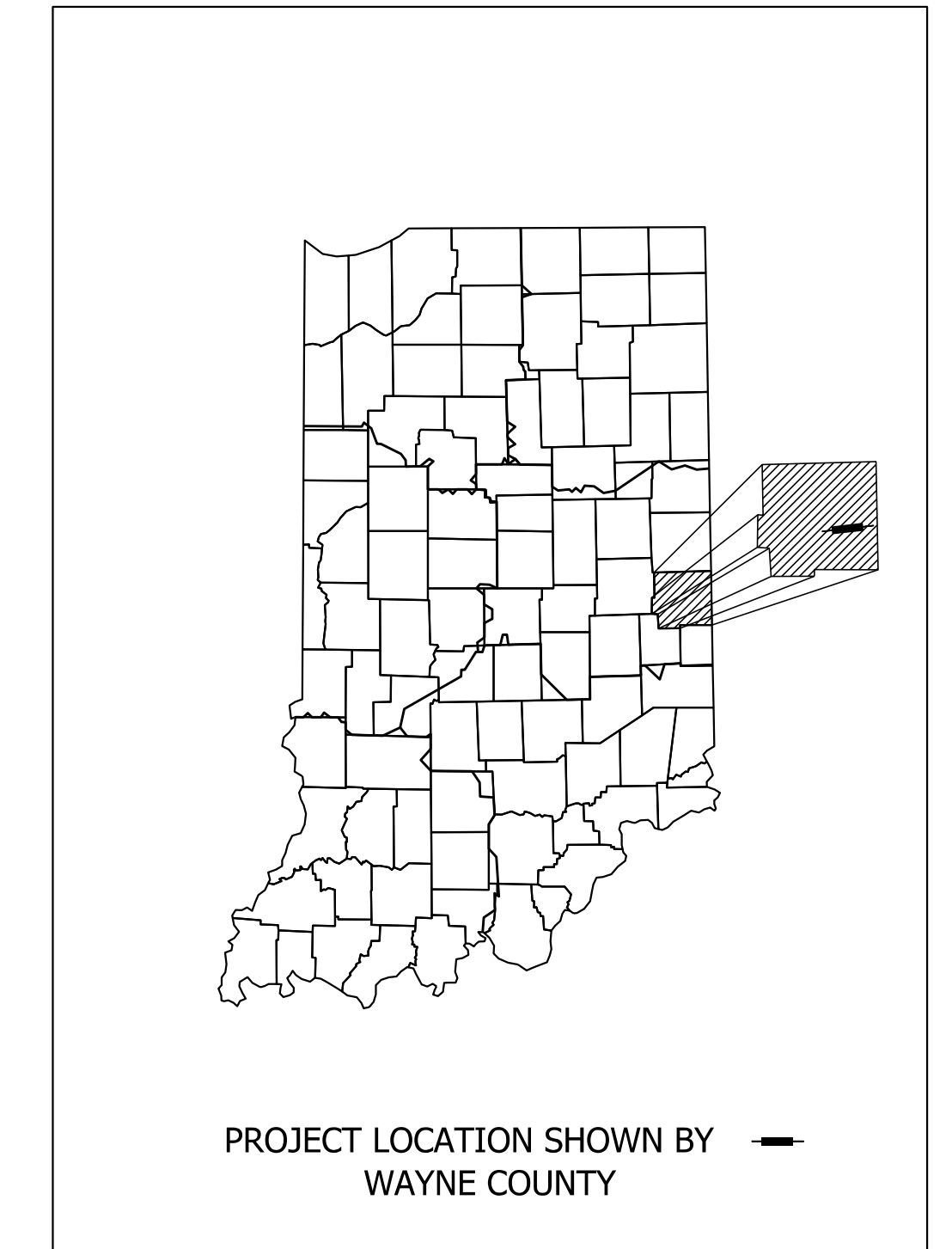
2002424 R/W CONST.

NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

Bridge Widening and Rehabilitation on I-70 EB/WB over Clear Creek
 Located 0.41 Miles West of US 35.
 Section 2, T-16-N, R-14-E, Wayne Township, Wayne County, Indiana



TRAFFIC DATA	
See Roadway Plans, Lead Des. No. 2002424	
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



LATITUDE: 39° 51' 58" N LONGITUDE: 84° 56' 02" W

BRIDGE LENGTH: 0.015 MI.
 ROADWAY LENGTH: See Plans (Des. 2002424) MI.
 TOTAL LENGTH: See Plans (Des. 2002424) MI.
 MAX. GRADE: -0.32% %

HUC: 050800030706

BRIDGE FILES:
 I70-148-04525 DEBL
 & I70-148-04525 JDWB
 DES. NO. 2002442 & 2002443
 STA. 724+04.24 "F"

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

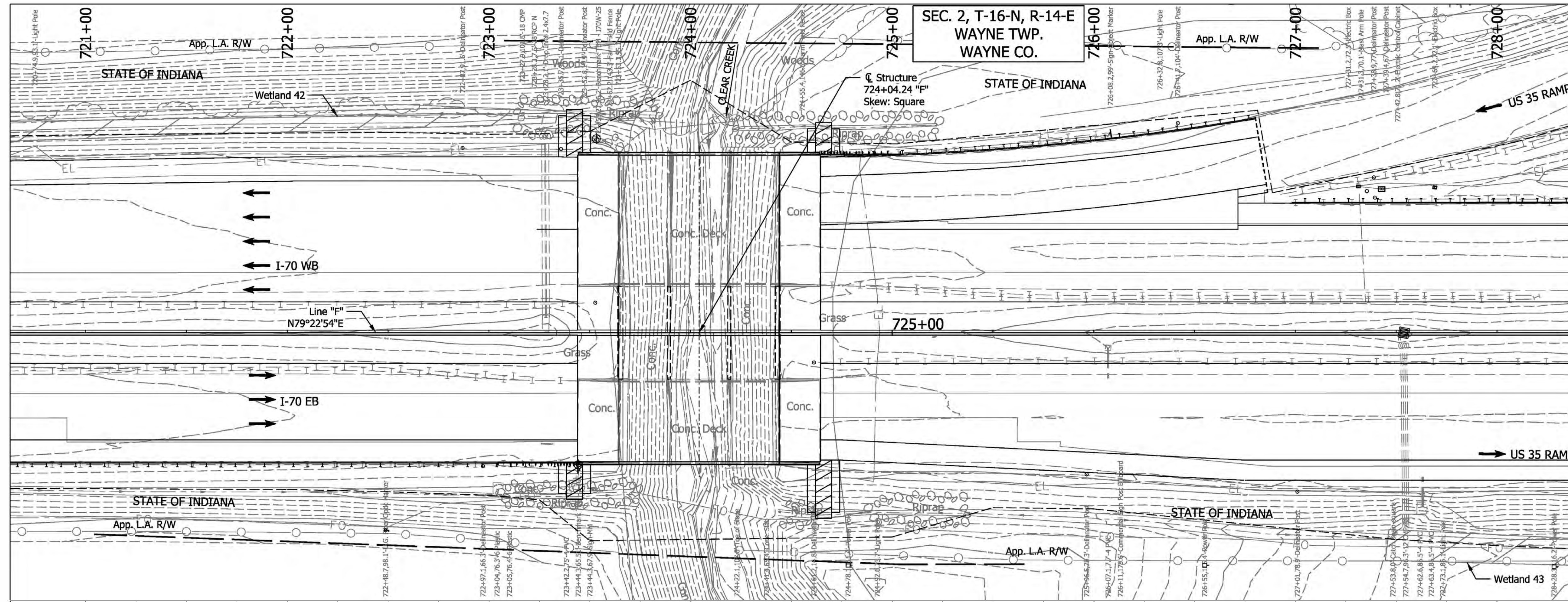
PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 (317) 616-1000

PLANS PREPARED BY:	PARSONS	317-616-1000
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
I70-148-04525 DEBL&JDWB	
DESIGNATION	
2002442 & 2002443	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 10
CONTRACT	PROJECT
R-43375	2002424

Plot: 1/31/2023 10:02 PM

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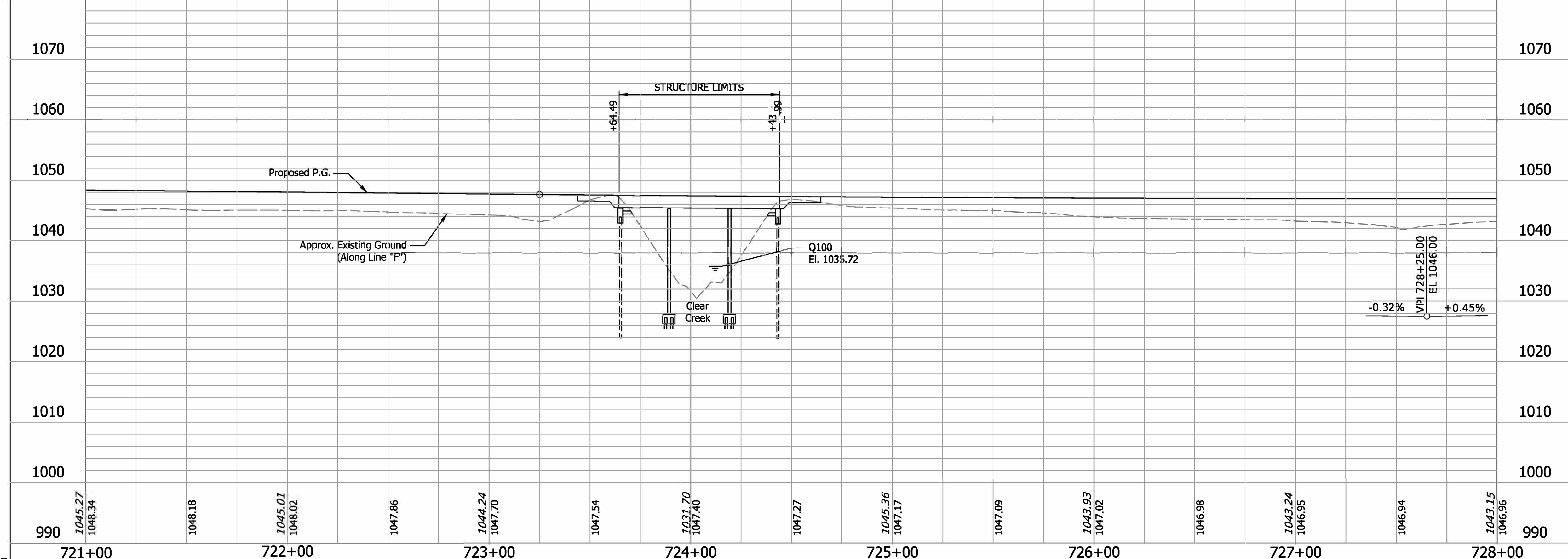


HYDRAULIC DATA

Design Discharge (Q100)	= 860 Cfs.
Velocity (Q100)	= 6.64 Ft./Sec.
Q100 Elev.	= 1035.72 Ft.
Scour Depth (Contraction)	= 0.12 Ft.
Scour Depth (Total)	= 3.69 Ft.

EXISTING STRUCTURE
 The existing twin steel beam bridges were built in 1959 with 3 spans: 24'-0", 30'-0", 24'-0".
 The existing bridge was widened in 2000 with 2 @ 39'-6" EBL & 63'-6" WBL min. clear roadway reinforced concrete slabs. Existing bridge slab, railing and portion of substructure to be removed to accommodate median widening.

EARTHWORK TABULATION
 For Earthwork Grading Tables see, Roadway Plans Des. No. 2002424.



NOTES:
 For R/W, Maintenance of Traffic, and Additional information see Roadway Plans Des. No. 2002424.
 For Utility Contacts see Index Sheet No.2.

CONTINUOUS CONCRETE SLAB BRIDGES
 3 SPANS: 24'-0", 30'-0", 24'-0"
 CLEAR ROADWAYS 86'-7½" WBL & 62'-7½" EBL;
 SKEW: SQUARE
 I-70 EBL & WBL OVER CLEAR CREEK
 WAYNE COUNTY

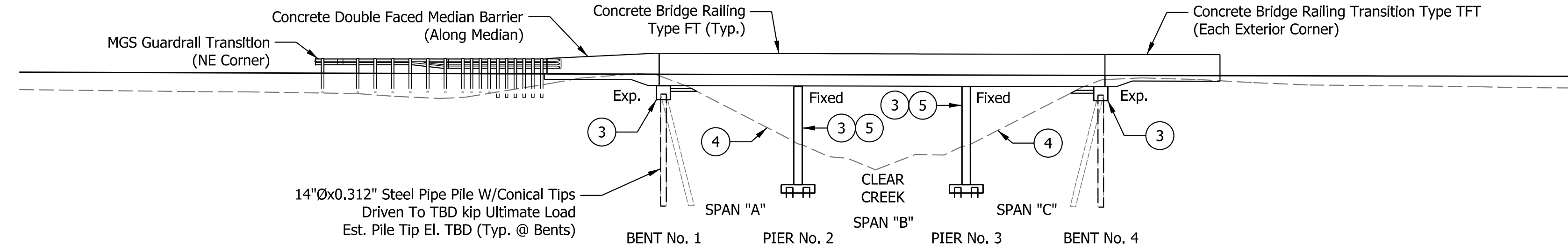
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721+00		722+00		723+00		724+00		725+00		726+00		727+00		728+00		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
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CHECKED: BFK	CHECKED: BFK			LAYOUT	VERTICAL SCALE	DESIGNATION
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					SURVEY BOOK	SHEETS
						4 of 10
					CONTRACT	PROJECT
					R-43375	2002424

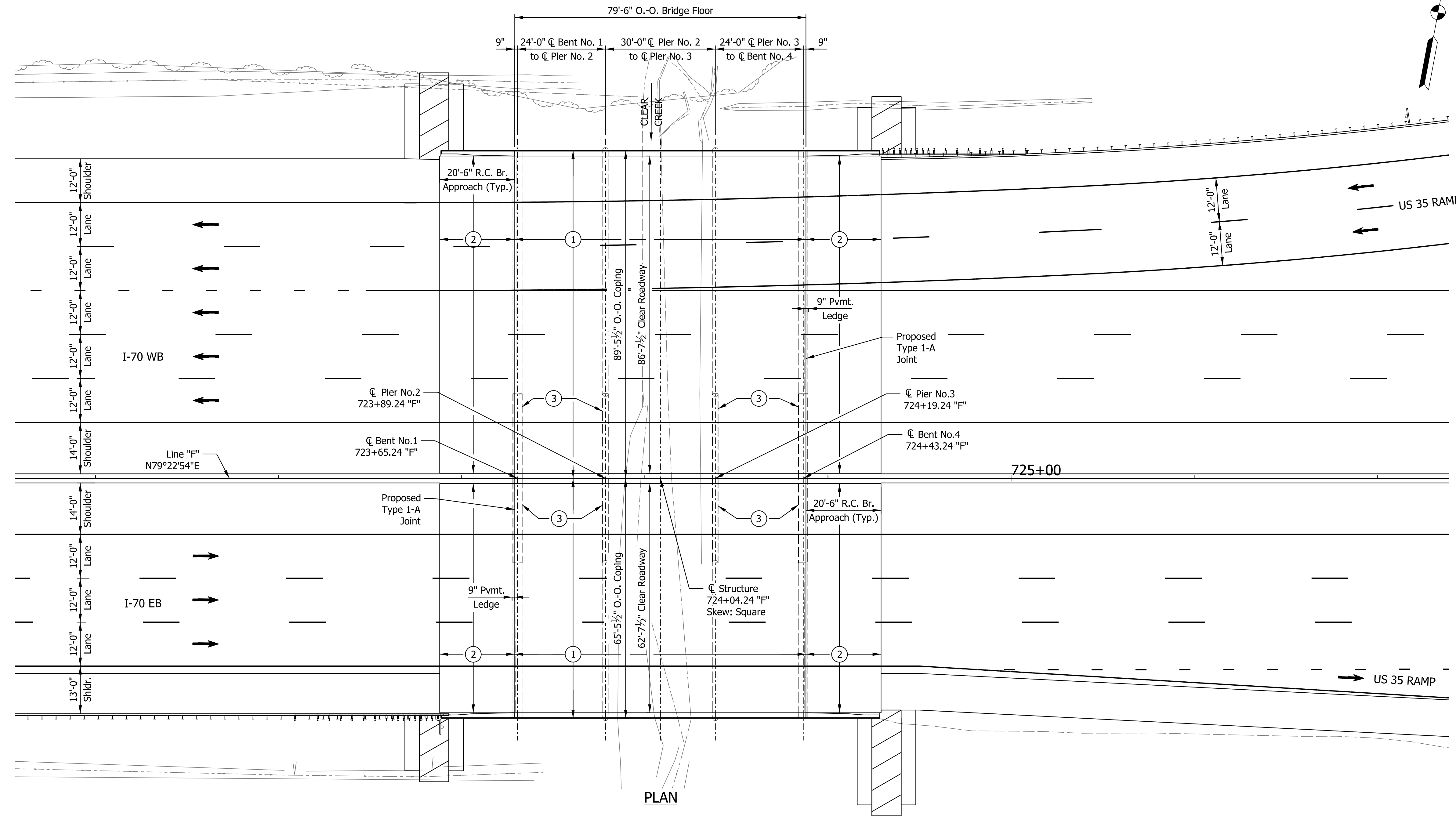
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 Model: Default

STRUCTURE TO BE BUILT ON A 1000' VERTICAL CURVE



ELEVATION



PLAN

GENERAL NOTES

Reinforcing steel covering shall be 2½" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.
Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-146-2259, available upon request.

DESIGN DATA

Substructure designed for HS 20-44 Loading in accordance with 1997 AASHTO Specifications.
New Superstructure Designed for HL-93 Loading, in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020, and its subsequent Interims.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface.

FLOOR SLAB

Designed with a 1'-6" structural depth, and a 1½" integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete f_c = 3,500 p.s.i.
Class "C" Concrete f_c = 4,000 p.s.i.

REINFORCING STEEL

Grade 60 f_y = 60,000 p.s.i.

SEISMIC DESIGN DATA

Seismic Performance Zone Zone x
Acceleration Coefficient (S_{D1}) 0.3xx
Seismic Soil Profile Type Site Class x

LEGEND

- 1 Replace and Widen Superstructure.
- 2 Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
- 3 Widen Existing Substructure to Accommodate New Widened Superstructure (Typ.).
- 4 Remove and Replace damaged concrete slopewalls at existing bridges as well as in median to accommodate widening. (Est. 550 Syd. Total)
- 5 Patch existing substructures as required (Est. 100 Sft. Total).

CONTINUOUS CONCRETE SLAB BRIDGES
3 SPANS: 24'-0", 30'-0", 24'-0"
CLEAR ROADWAYS 86'-7½" WBL & 62'-7½" EBL;
SKEW: SQUARE
I-70 EBL & WBL OVER CLEAR CREEK
WAYNE COUNTY

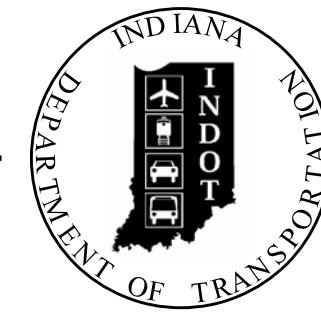
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DESIGNED: SK DRAWN: ALF	CHECKED: BFK CHECKED: BFK	GENERAL PLAN	VERTICAL SCALE	DESIGNATION
			1/16"=1'-0"	2002442 & 2002443
			SURVEY BOOK	SHEETS
			5	of 10
			CONTRACT	PROJECT
			R-43375	2002424

PROJECT	DESIGNATION
2002424	2002449 & 2002450
CONTRACT	BRIDGE FILE
R-43375	I70-150-04527 CEBL & DWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-150-04527 CEBL	CONTINUOUS COMPOSITE STEEL GIRDER BRIDGE	3 Spans: 36'-0", 48'-0", 32'-0" Skew: 11°03'00" Rt.	CR 500 E OLD SR 627 (UNION PIKE RD.)	799+00.40 "F"
I70-150-04527 DWBL	CONTINUOUS COMPOSITE STEEL GIRDER BRIDGE	3 Spans: 36'-0", 48'-0", 32'-0" Skew: 11°03'00" Rt.	CR 500 E OLD SR 627 (UNION PIKE RD.)	799+00.40 "F"

Bridge No. 28

Bridge No. 29

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E Fk Whitewater River	Bridge
2002456	I70 WB over E FK/E Fk Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

BRIDGE REHABILITATION PLANS

FOR SPANS OVER 20 FEET

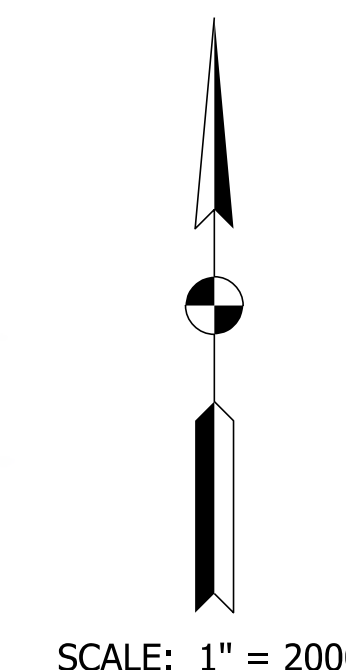
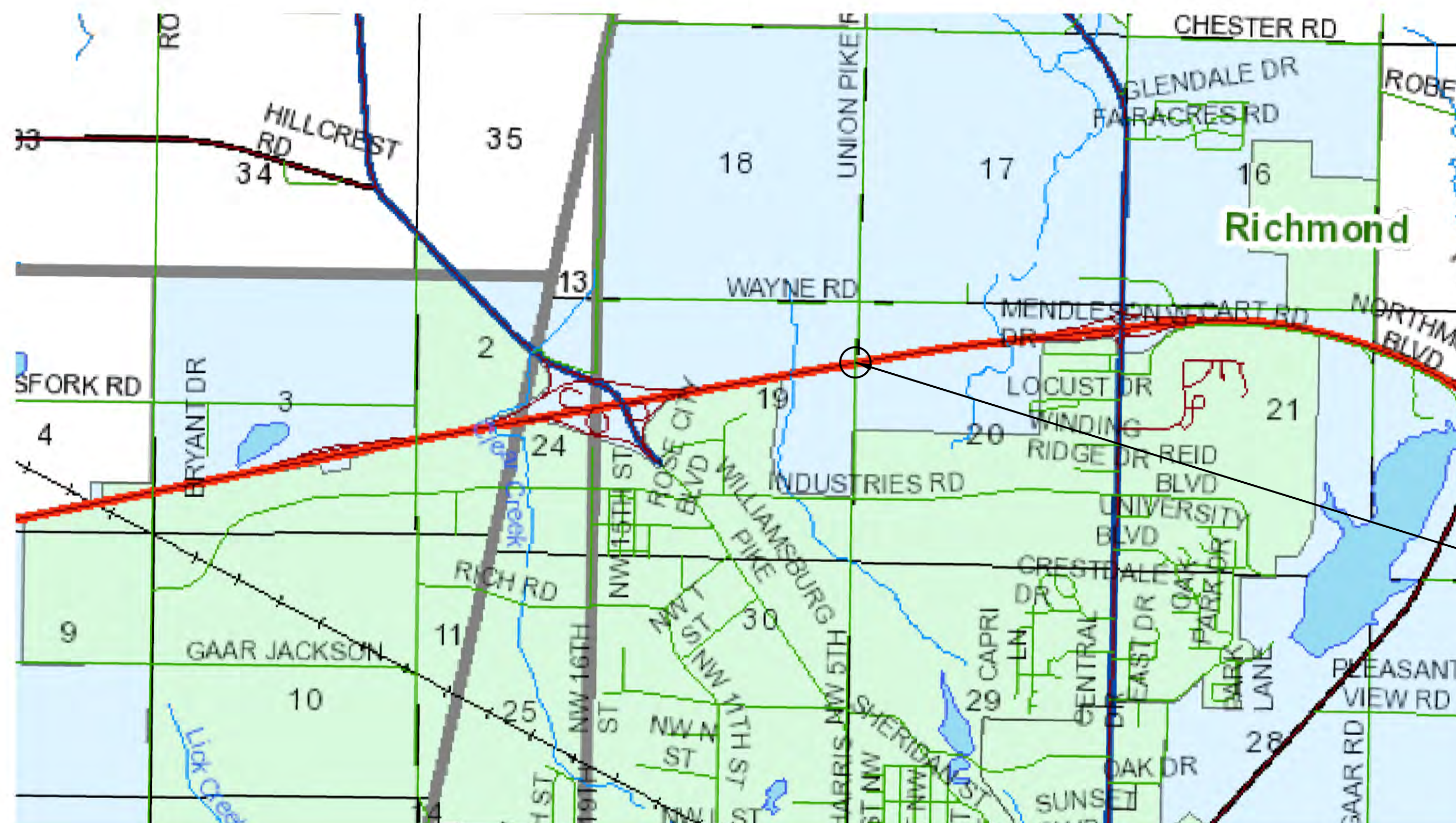
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PROJECT NO. 2002449 & 2002450 P.E.

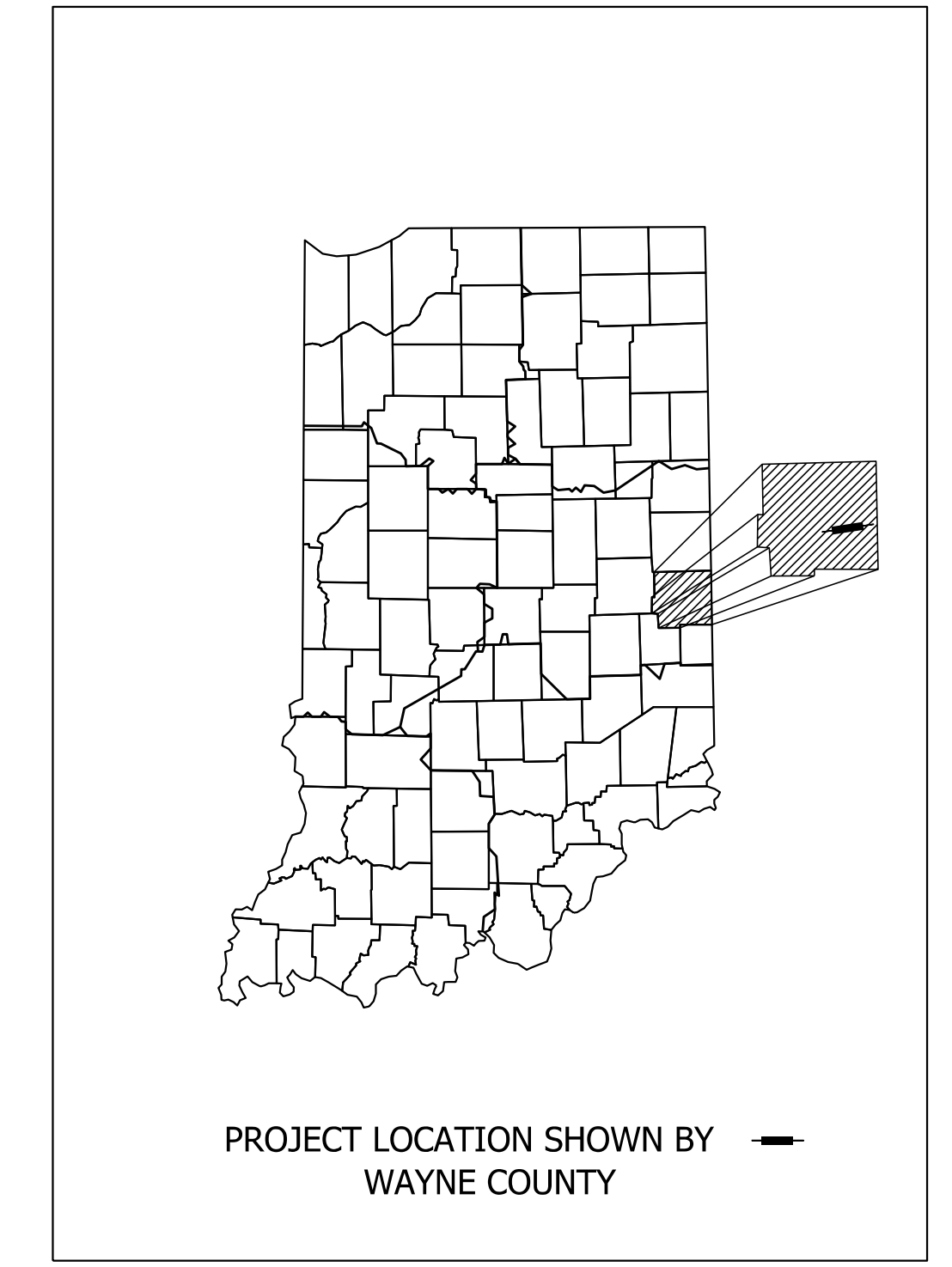
NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT R/W

2002424 CONST.

Bridge Widening and Rehabilitation on I-70 EB/WB over CR 500 E Old SR 627 (Union Pike Rd.)
 Located 1.02 Miles West of US 27.
 Sections 19 & 20, T-16-N, R-1-W, Wayne Township, Wayne County, Indiana



TRAFFIC DATA	
See Roadway Plans, Lead Des. No. 2002424	
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



LATITUDE: 39° 52' 12" N LONGITUDE: 84° 54' 29" W

BRIDGE LENGTH:	0.022 MI.
ROADWAY LENGTH:	See Plans (Des. 2002424) MI.
TOTAL LENGTH:	See Plans (Des. 2002424) MI.
MAX. GRADE:	-3.00 %

BRIDGE FILES:
 I70-150-04527 CEBL
 & I70-150-04527 DWBL
 DES. NO. 2002449 & 2002450
 STA. 799+00.40 "F"

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

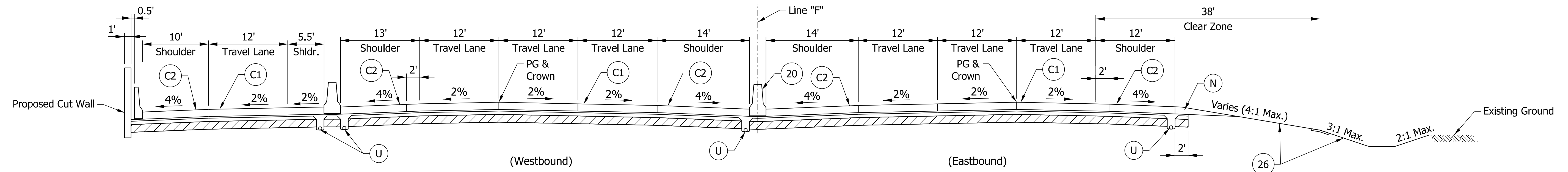
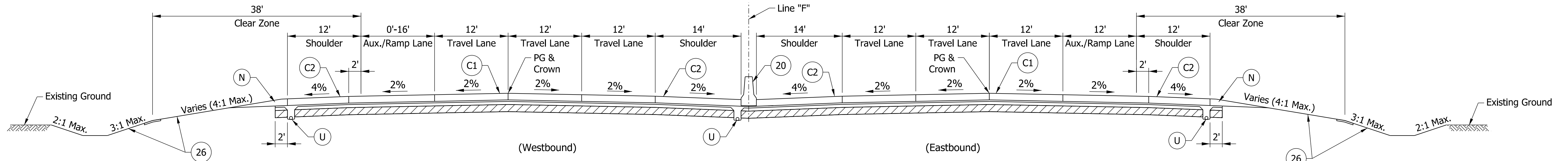
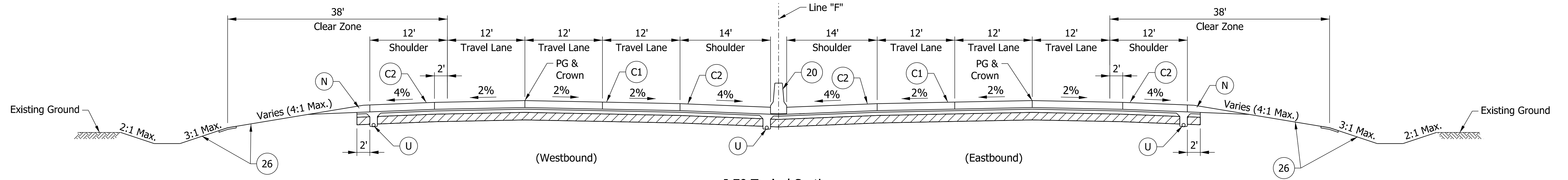
PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 (317) 616-1000

PLANS PREPARED BY:	PARSONS	317-616-1000
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		DATE
INDIANA DEPARTMENT OF TRANSPORTATION		

BRIDGE FILE	
I70-150-04527 CEBL&DWBL	
DESIGNATION	
2002449 & 2002450	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 8
CONTRACT	PROJECT
R-43375	2002424

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 Model: Default



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 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

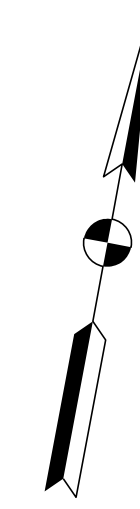
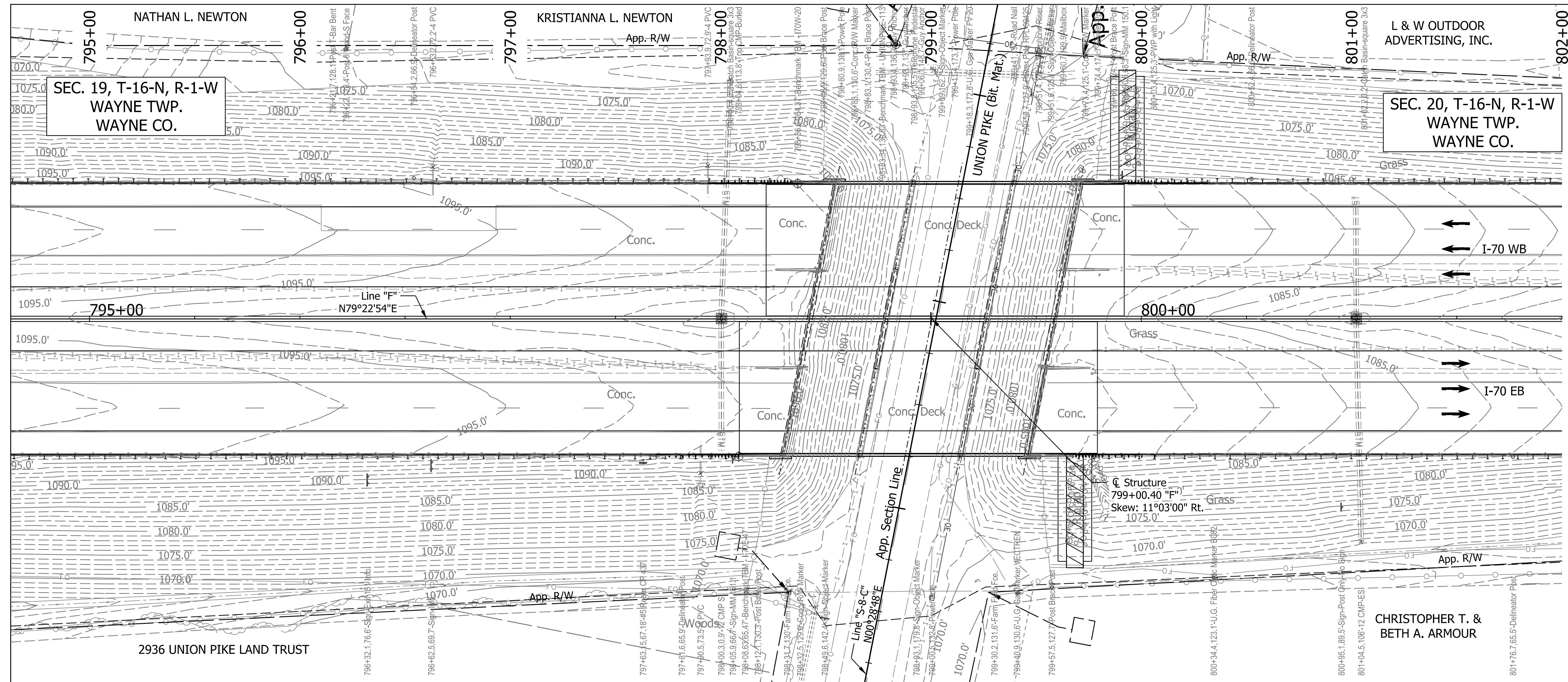
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DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

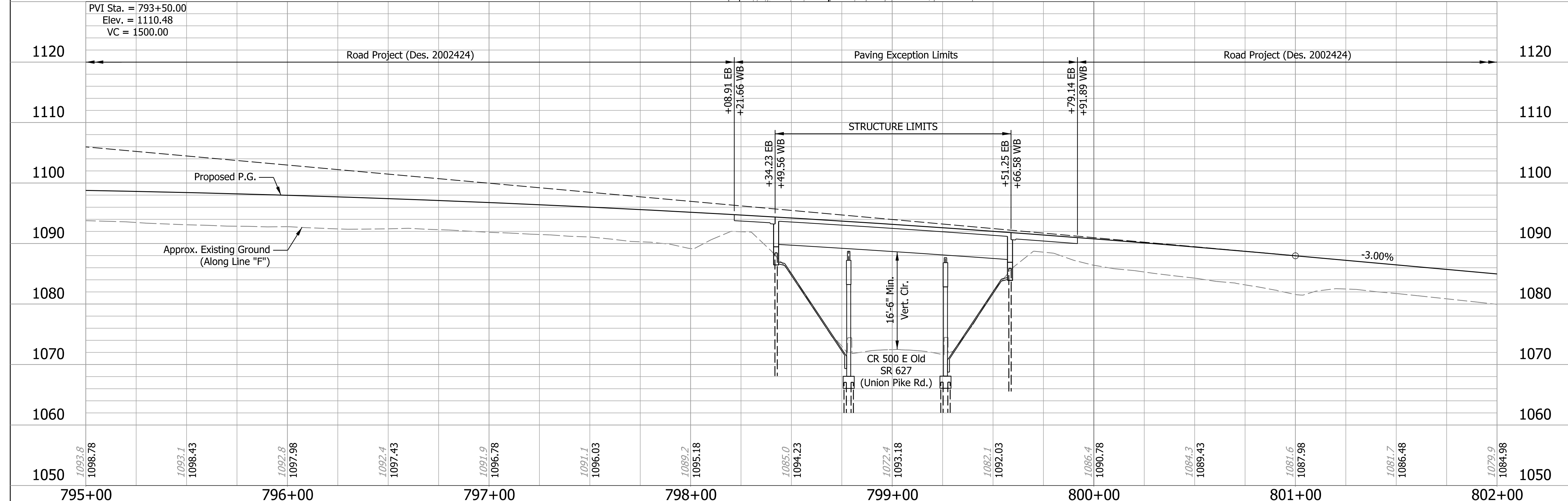
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1/8" = 1'-0"	DESIGNATION
VERTICAL SCALE	2002424
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 8
CONTRACT	PROJECT
R-43375	2002424

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 \$DATE\$



EXISTING STRUCTURE
 The existing twin steel beam bridges were built in 1960 with 3 spans: 36'-0", 48'-0", 32'-0"
 The existing bridge was widened in 2000 with 40'-0" clear roadway reinforced concrete decks. Existing Superstructure and portions of substructure to be removed to accommodate median widening.

EARTHWORK TABULATION
 For Earthwork Grading Tables see, Roadway Plans Des. No. 2002424.



NOTES:
 For R/W, Maintenance of Traffic, and Additional information see Roadway Plans Des. No. 2002424.
 For Utility Contacts see Index Sheet No.2.

COMPOSITE STEEL BEAM BRIDGES
 3 SPANS: 36'-0", 48'-0", 32'-0";
 62'-6 1/2" WBL & EBL CLEAR ROADWAYS;
 SKEW: 11°03'00" Rt.
 I-70 EBL & WBL OVER CR 500 E OLD SR 627
 (UNION PIKE RD.)
 WAYNE COUNTY

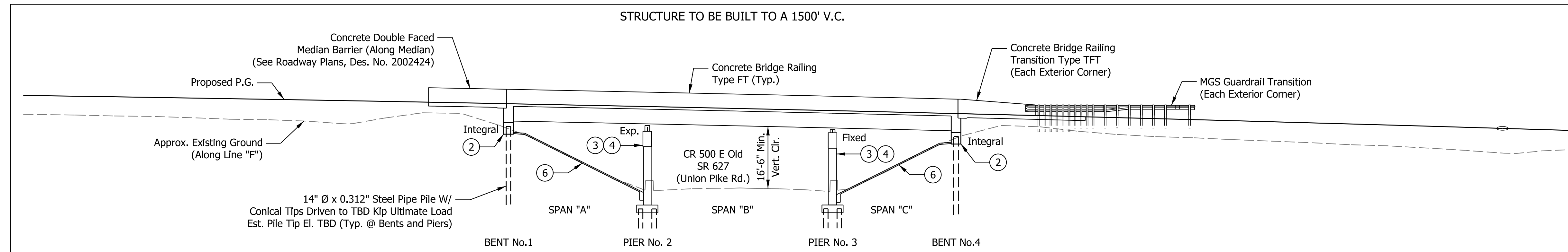
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION
DESIGNED: SK	DRAWN: JEW		
CHECKED: BFK	CHECKED: BFK		

LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	I70-150-04527 CE&L&DWBL
VERTICAL SCALE	DESIGNATION
1"=10'	2002449 & 2002450
SURVEY BOOK	SHEETS
	4 of 8
CONTRACT	PROJECT
R-43375	2002424

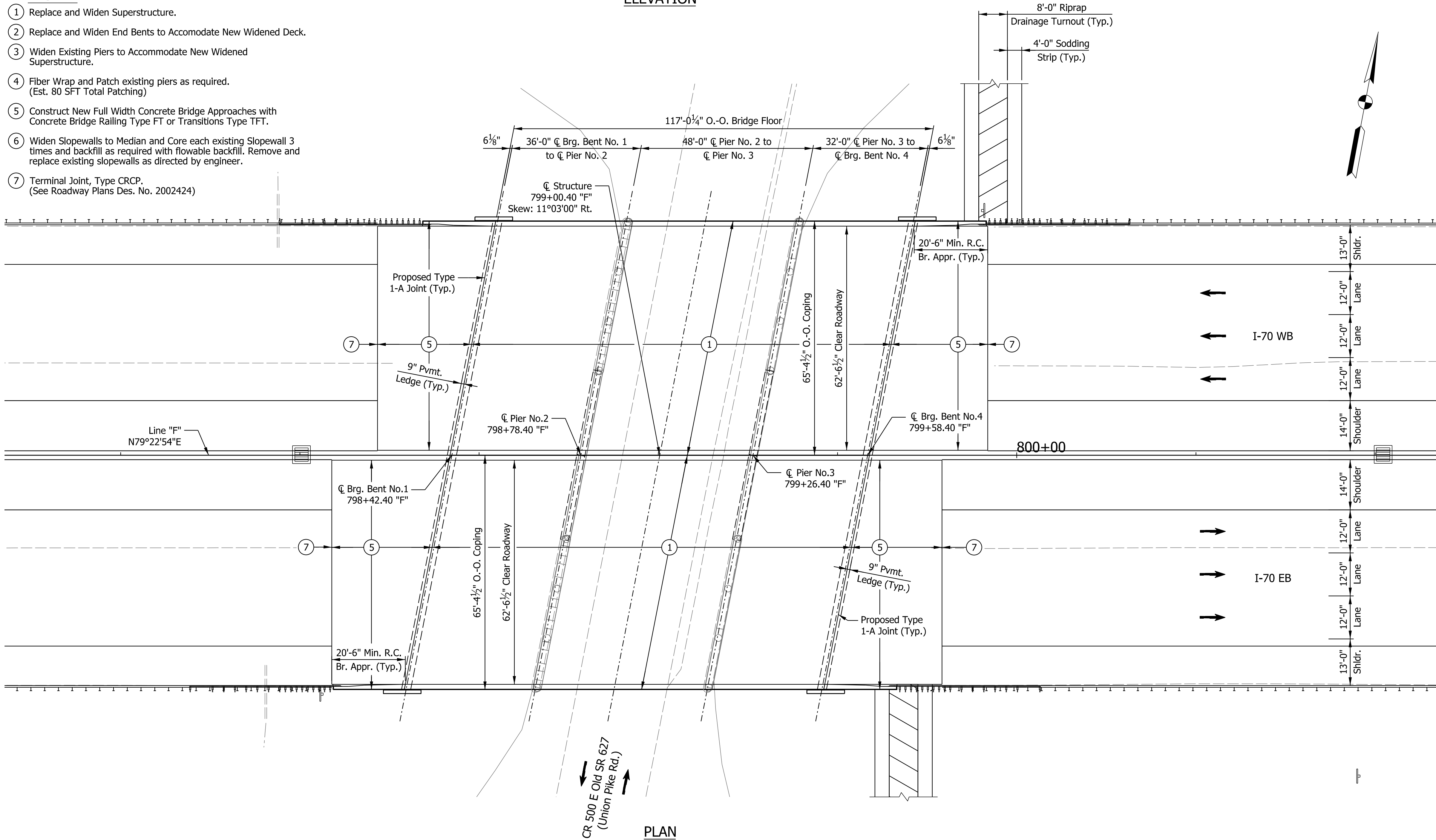
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 Model:Default



ELEVATION

- LEGEND**
- ① Replace and Widen Superstructure.
 - ② Replace and Widen End Bents to Accommodate New Widened Deck.
 - ③ Widen Existing Piers to Accommodate New Widened Superstructure.
 - ④ Fiber Wrap and Patch existing piers as required. (Est. 80 SFT Total Patching)
 - ⑤ Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
 - ⑥ Widen Slopewalls to Median and Core each existing Slopewall 3 times and backfill as required with flowable backfill. Remove and replace existing slopewalls as directed by engineer.
 - ⑦ Terminal Joint, Type CRCP. (See Roadway Plans Des. No. 2002424)



PLAN

GENERAL NOTES

Reinforcing steel covering shall be 3" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.

Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-147-04527, available upon request.

DESIGN DATA

Piers designed for HS 20-44 Loading in accordance with 1957 AASHTO Specifications.

New Superstructure and End Bents Designed for HL-93 Loading in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020, and its subsequent interims.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface and 15 psf for SIP Metal deck forms.

FLOOR SLAB

Designed with a 7½" structural depth, and a 1½" min. integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete $f_c = 3,500$ p.s.i.
 Class "B" Concrete $f_c = 3,000$ p.s.i.
 Class "C" Concrete $f_c = 4,000$ p.s.i.

STEEL

Grade 50 $f_y = 50,000$ p.s.i.

REINFORCING STEEL

Grade 60 $f_y = 60,000$ p.s.i.

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of 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.

DECK FALSEWORK LOADS

Designed for 15 lb/Sft for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD

Designed for 20 lb/Sft extending 2-ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING MACHINE LOAD

4500 lb distributed over 10-ft along the coping.

WIND LOAD

Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA

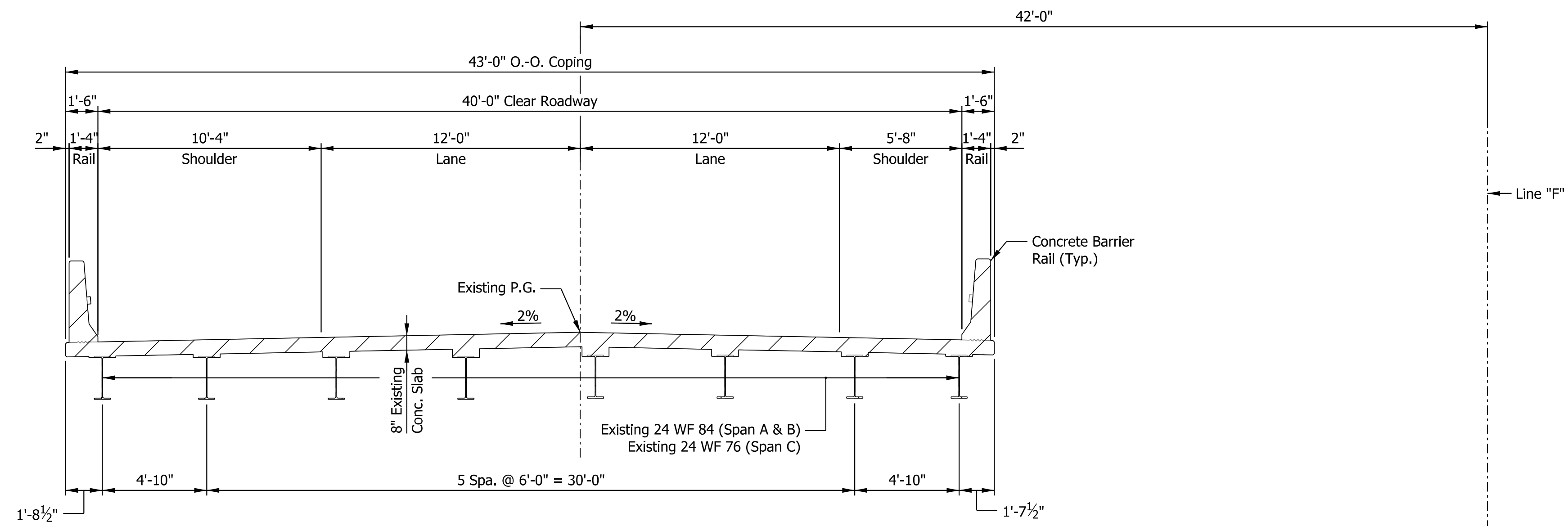
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 Acceleration Coefficient (S_{D1}) 0.0xx
 Seismic Soil Profile Type Site Class x

COMPOSITE STEEL BEAM BRIDGES
 3 SPANS: 36'-0", 48'-0", 32'-0";
 62'-6½" WBL & EBL CLEAR ROADWAYS;
 SKEW: 11°03'00" Rt.
 I-70 EBL & WBL OVER CR 500 E OLD SR 627
 (UNION PIKE RD.)
 WAYNE COUNTY

Plot: 3/27/2023 2:28 PM

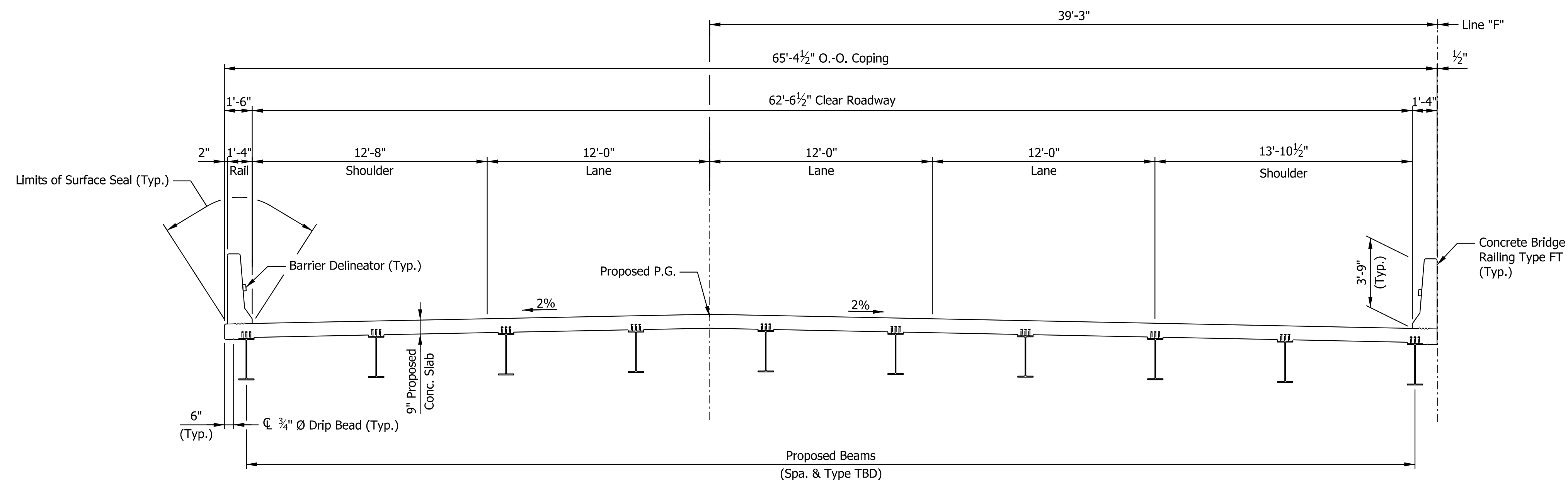
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DESIGNED: SK DRAWN: JEW	CHECKED: BFK CHECKED: BFK	GENERAL PLAN	VERTICAL SCALE	DESIGNATION
			1/16"=1'-0"	2002449 & 2002450
			SURVEY BOOK	SHEETS
			5	of 8
			CONTRACT	PROJECT
			R-43375	2002424



EXISTING TYPICAL SECTION
WBL SHOWN, EBL SAME BY OPPOSITE HAND

NOTE: Hatched Area Indicates Limits of Removal



PROPOSED TYPICAL SECTION
WBL SHOWN, EBL SAME BY OPPOSITE HAND

COMPOSITE STEEL BEAM BRIDGES
3 SPANS: 36'-0", 48'-0", 32'-0";
62'-6 1/2" WBL & EBL CLEAR ROADWAYS;
SKEW: 11°03'00" Rt.
I-70 EBL & WBL OVER CR 500 E OLD SR 627
(UNION PIKE RD.)
WAYNE COUNTY

Plot: 3/27/2023 2:28 PM

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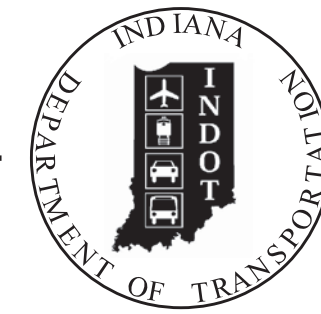
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	I70-150-04527 CEBL&DWBL
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	2002449 & 2002450
SURVEY BOOK	SHEETS
	6 of 8
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002424	2002451 & 2002452
CONTRACT	BRIDGE FILE
R-43375	I70-150-04528 DEBL & DWBL

INDIANA DEPARTMENT OF TRANSPORTATION



TRAFFIC DATA

See Roadway Plans, Lead Des. No. 2002424

STRUCTURE INFORMATION

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-150-04528 DEBL	CONTINUOUS COMPOSITE STEEL BEAM BRIDGE	5 Spans: 39'-3", 51'-0", 60'-0", 51'-0", 39'-3" Skew: 30° 00' 00" Lt.	WEST FORK OF EAST FORK OF WHITEWATER RIVER	829+08.45 "F"
I70-150-04528 DWBL	CONTINUOUS COMPOSITE STEEL BEAM BRIDGE	5 Spans: 39'-3", 51'-0", 60'-0", 51'-0", 39'-3" Skew: 30° 00' 00" Lt.	WEST FORK OF EAST FORK OF WHITEWATER RIVER	829+08.45 "F"

Bridge No. 30

Bridge No. 31

DESIGN DATA

DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-70 AT: RP 150+67

PROJECT NO. 2002451 & 2002452 P.E.

NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

R/W

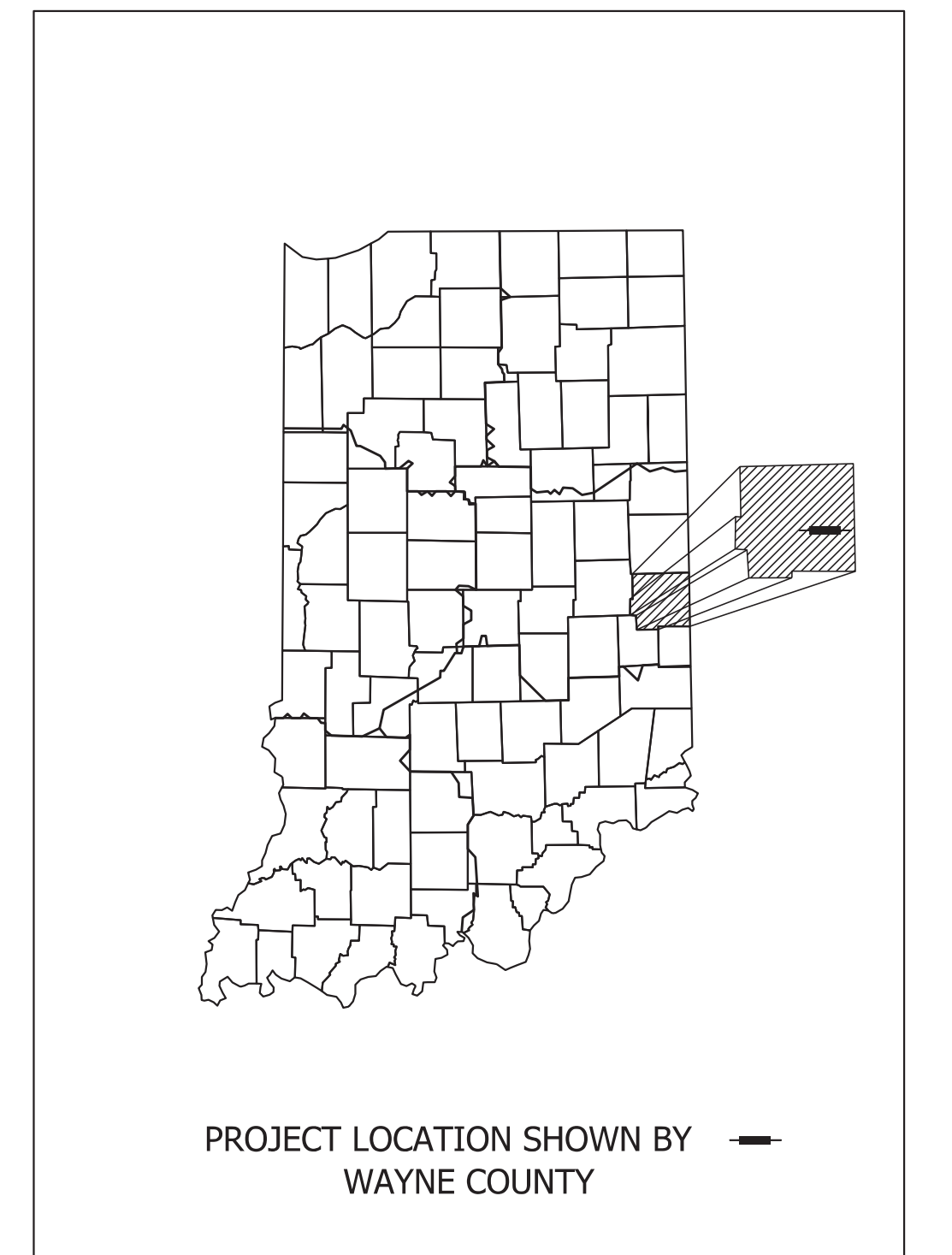
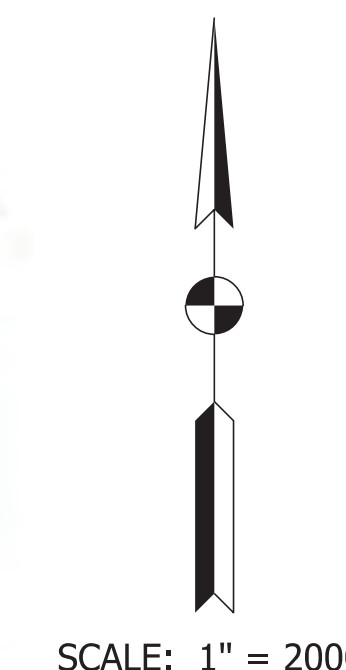
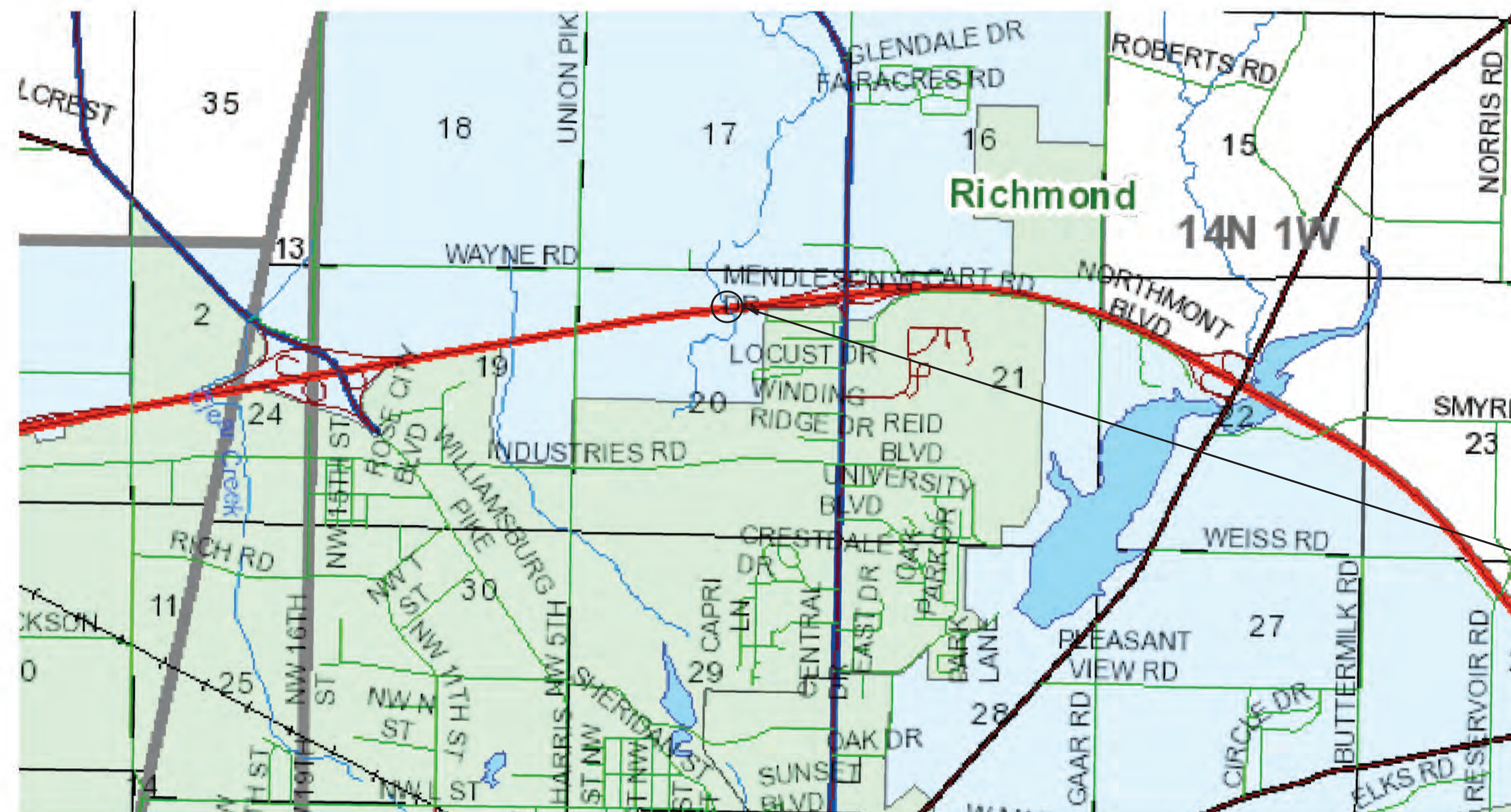
2002424

CONST.

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E Fk Whitewater River	Bridge
2002456	I70 WB over E FK/E Fk Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

Bridge Widening and Rehabilitation on I-70 EB/WB over West Fork of East Fork of Whitewater River
Located 0.45 Miles West of US 27.
Section 20, T-14-N, R-1-W, Wayne Township, Wayne County, Indiana



LATITUDE: 39° 52' 16" N LONGITUDE: 84° 53' 49" W

BRIDGE LENGTH: 0.046 MI.
ROADWAY LENGTH: See Plans (Des. 2002424) MI.
TOTAL LENGTH: See Plans (Des. 2002424) MI.
MAX. GRADE: +2.20% %

HUC: 050800030705

BRIDGE FILES:
I70-150-04528 DEBL
& I70-150-04528 DWBL
DES. NO. 2002451 & 2002452
STA. 829+08.45 "F"

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



101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
(317) 616-1000

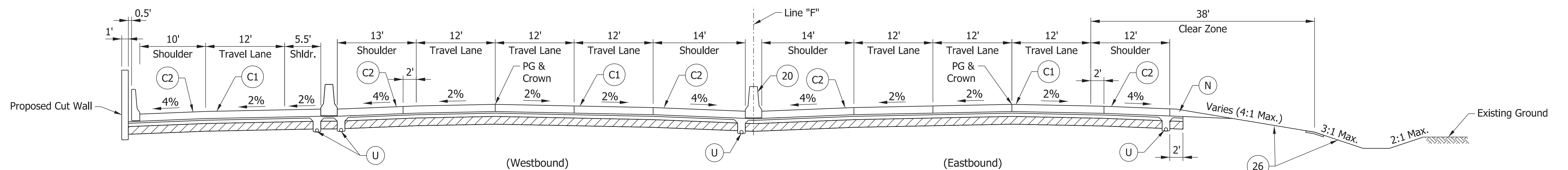
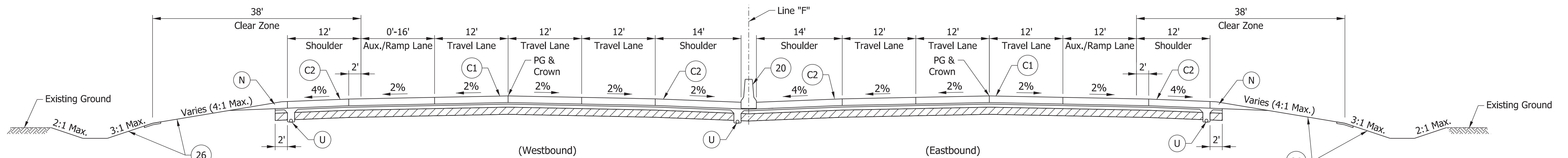
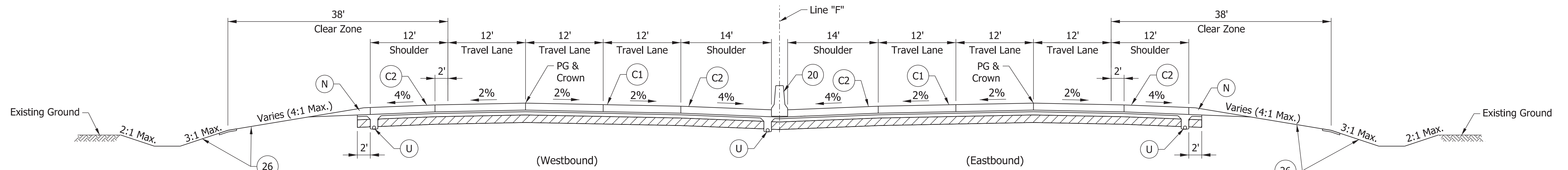
PLANS PREPARED BY:	PARSONS	317-616-1000
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		DATE
INDIANA DEPARTMENT OF TRANSPORTATION		

BRIDGE FILE	
I70-150-04528 DEBL&DWBL	
DESIGNATION	
2002451 & 2002452	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 13
CONTRACT	PROJECT
R-43375	2002424

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Model:Default

Plot: 2/28/2023 5:23 PM

"For Information Only"



PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

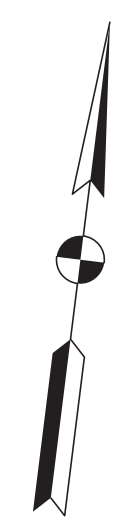
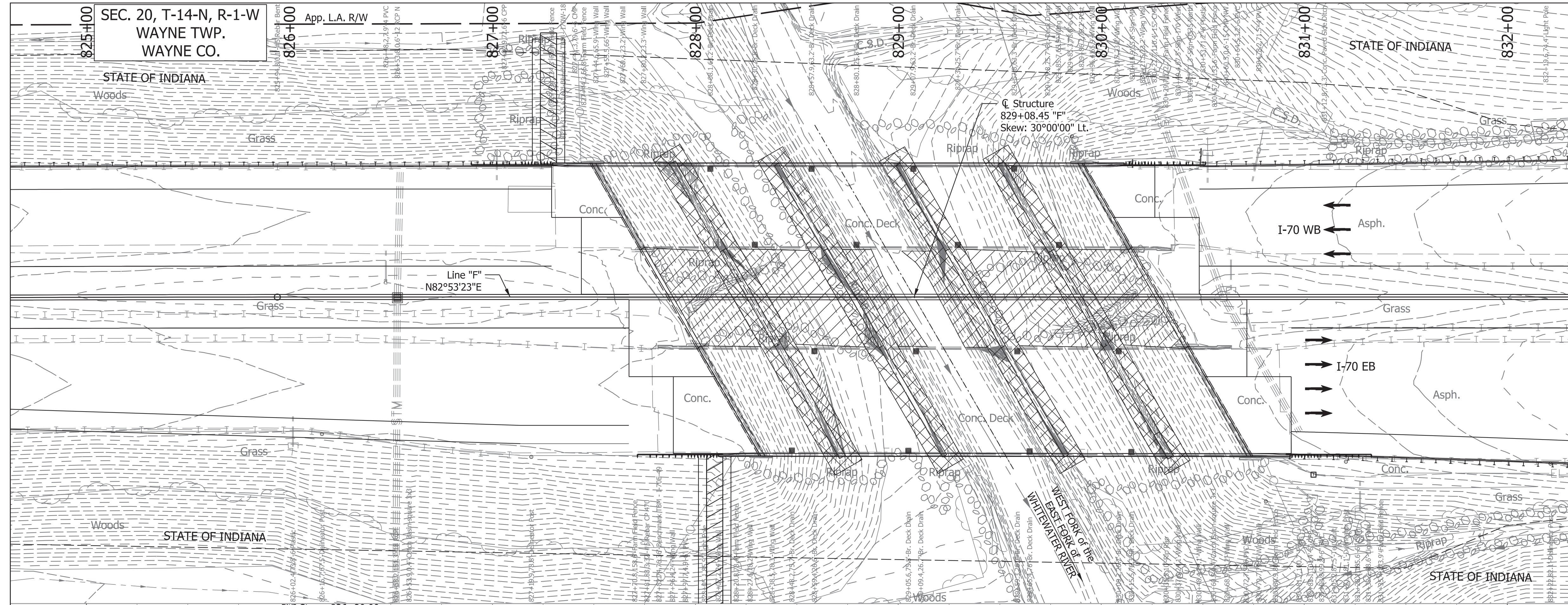
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	DESIGNATION
VERTICAL SCALE	2002424
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 13
CONTRACT	PROJECT
R-43375	2002424

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HYDRAULIC DATA

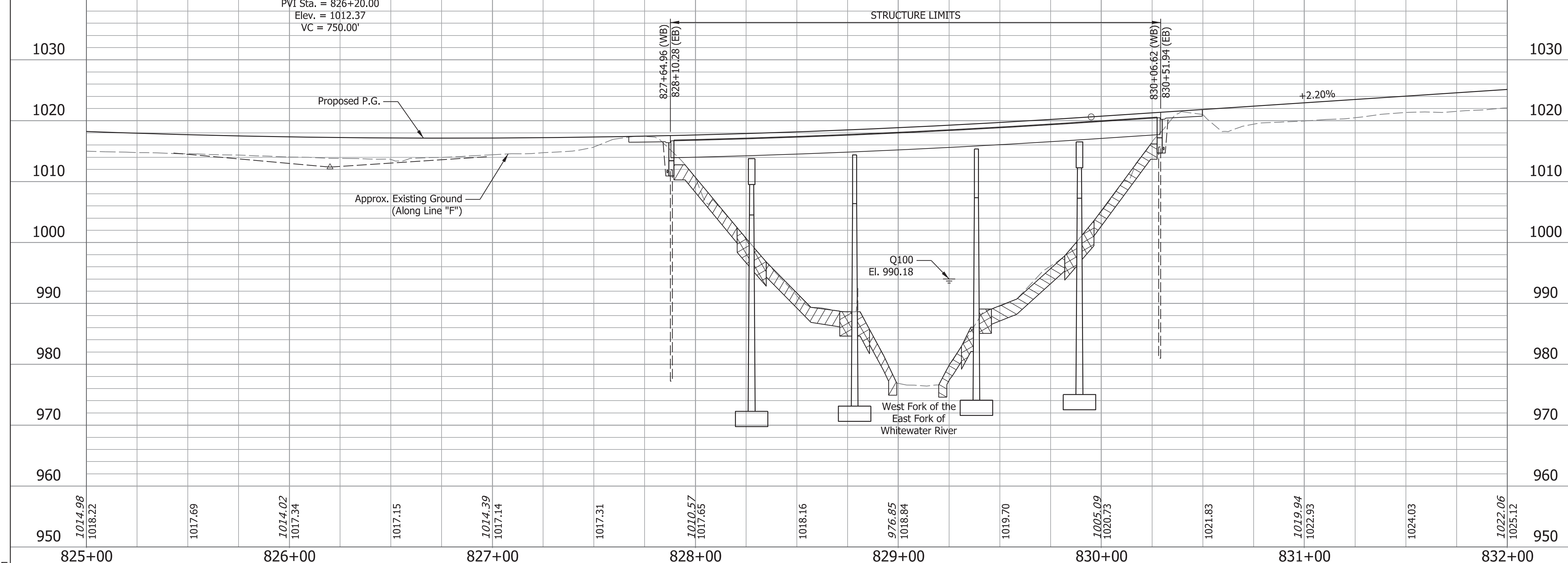
Design Discharge (Q100)	= 5,597 Cfs.
Velocity (Q100)	= 12.80 Ft./Sec.
Q100 Elev.	= 990.18 Ft.
Estimated Scour (Contraction)	= 14.24 Ft.
Estimated Scour (Total)	= 23.39 Ft.

EXISTING STRUCTURE

The existing twin prestressed conc. I-beam end span with steel beam interior spans bridges were built in 1959 with 5 spans: 38'-3", 50'-0", 60'-0", 50'-0", 38'-3". The existing EB bridge was widened in 1989 with a 51'-9" min. clear roadway and the existing WB bridge was widened in 2008 with a 39'-4" min. clear roadway, reinforced concrete decks. Existing bridge deck, railing and portion of substructure to be removed to accommodate median widening.

EARTHWORK TABULATION

For Earthwork Grading Tables see, Roadway Plans Des. No. 2002424.



NOTES:

For R/W, Maintenance of Traffic and Additional information see Roadway Plans Des. No. 2002424.

For Utility Contacts see Index Sheet No.2.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 5 SPANS: 39'-3", 51'-0", 60'-0", 51'-0", 39'-3"
 63'-3 1/2" WBL & 75'-8 1/2" EBL CLEAR ROADWAYS;
 SKEW: 30° 00' 00" Lt.
 I-70 EBL & WBL OVER WEST FORK OF
 THE EAST FORK OF WHITEWATER RIVER
 WAYNE COUNTY

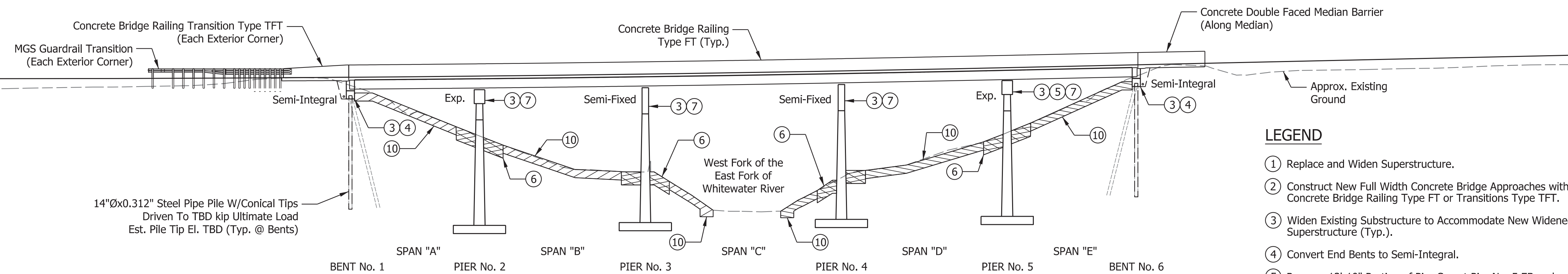
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825+00		826+00		827+00		828+00		829+00		830+00		831+00		832+00

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: SK	DRAWN: ALF			1"=30'	170-150-4528DEBL & DWBL
CHECKED: BFK	CHECKED: BFK			VERTICAL SCALE	DESIGNATION
			LAYOUT	1"=10'	2002451 & 2002452
				SURVEY BOOK	SHEETS
				CONTRACT	4 of 13
				R-43375	PROJECT
					2002424

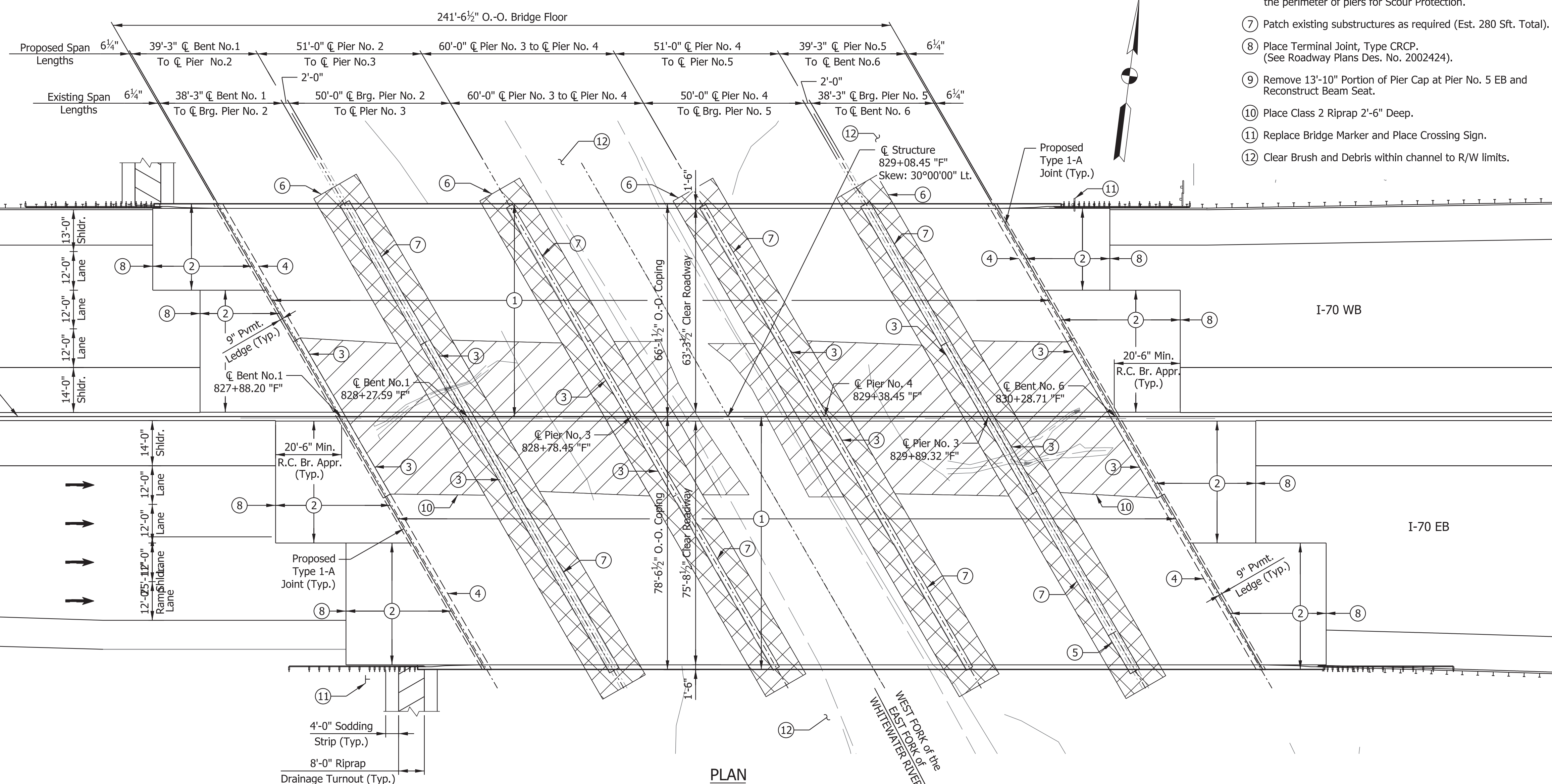
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 Model:Default

STRUCTURE TO BE BUILT ON AN 800' VERTICAL CURVE AND A +2.20% GRADE



ELEVATION



PLAN

LEGEND

- ① Replace and Widen Superstructure.
- ② Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
- ③ Widen Existing Substructure to Accommodate New Widened Superstructure (Typ.).
- ④ Convert End Bents to Semi-Integral.
- ⑤ Remove 13'-10" Portion of Pier Cap at Pier No. 5 EB and Reconstruct Beam Seat.
- ⑥ Place Class 2 Riprap, 4'-0" Deep, Extending 6'-0" Min. around the perimeter of piers for Scour Protection.
- ⑦ Patch existing substructures as required (Est. 280 Sft. Total).
- ⑧ Place Terminal Joint, Type CRCP. (See Roadway Plans Des. No. 2002424).
- ⑨ Remove 13'-10" Portion of Pier Cap at Pier No. 5 EB and Reconstruct Beam Seat.
- ⑩ Place Class 2 Riprap 2'-6" Deep.
- ⑪ Replace Bridge Marker and Place Crossing Sign.
- ⑫ Clear Brush and Debris within channel to R/W limits.

GENERAL NOTES

Reinforcing steel covering shall be 3" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.

Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-148-4528, available upon request.

Provide Longitudinal Grooving on Deck and RCBA's within Clear Roadway.

DESIGN DATA

Substructure designed for HS 20-44 Loading in accordance with 1997 AASHTO Specifications.

New Superstructure Designed for HL-93 Loading, in accordance with AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020, and its subsequent interims.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface.

FLOOR SLAB

Designed with a 9" structural depth, and a 1 1/2" integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete $f_c = 3,500$ p.s.i.
 Class "B" Concrete $f_c = 3,000$ p.s.i.
 Class "C" Concrete $f_c = 4,000$ p.s.i.

STEEL

Grade 50 $f_y = 50,000$ p.s.i.

REINFORCING STEEL

Grade 60 $f_y = 60,000$ p.s.i.

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of 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.

DECK FALSEWORK LOADS

Designed for 15 lb/Sft for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD

Designed for 20 lb/Sft extending 2-ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING MACHINE LOAD

4500 lb distributed over 10-ft along the coping.

WIND LOAD

Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA

Seismic Performance Zone Zone x
 Acceleration Coefficient (S_{D1}) 0.3xx
 Seismic Soil Profile Type Site Class x

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 5 SPANS: 39'-3", 51'-0", 60'-0", 51'-0", 39'-3"
 63'-3 1/2" WBL & 75'-8 1/2" EBL CLEAR ROADWAYS;
 SKEW: 30° 00' 00" Lt.
 I-70 EBL & WBL OVER WEST FORK OF
 THE EAST FORK OF WHITWATER RIVER
 WAYNE COUNTY

Plot: 2/28/2023 6:01 PM

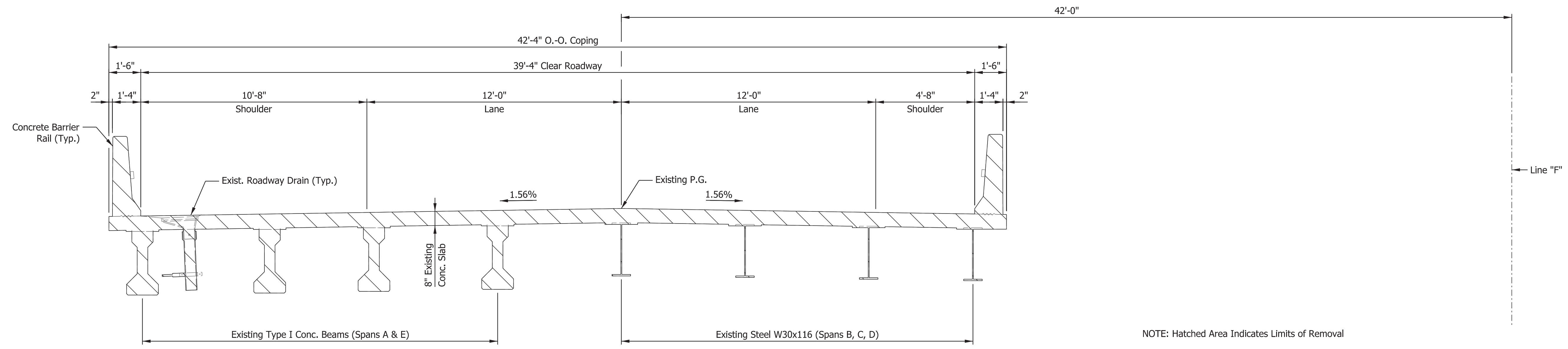
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
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CHECKED: BFK	CHECKED: BFK	

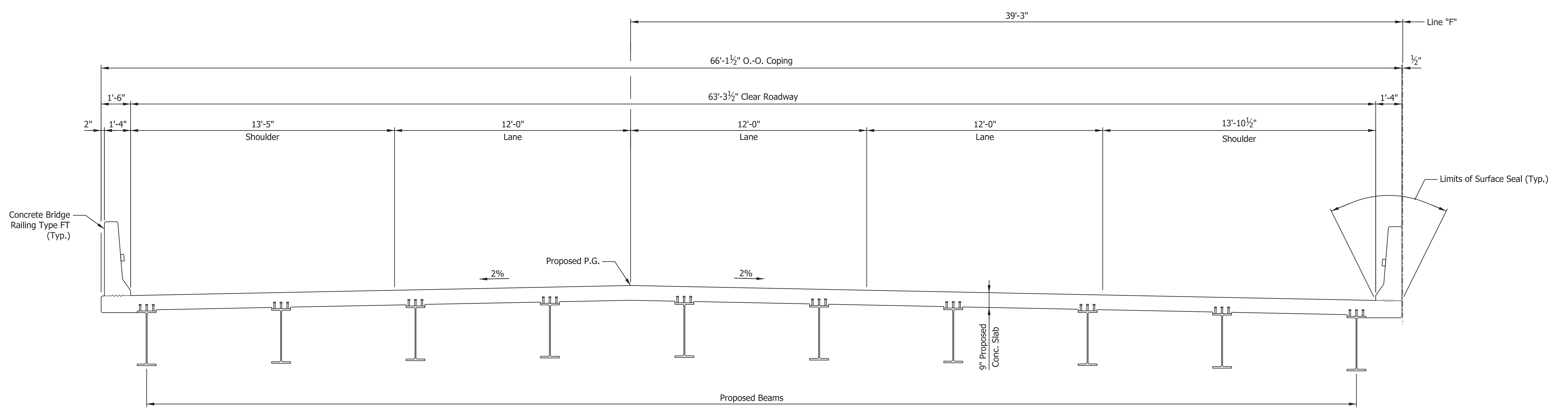
INDIANA
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	I70-150-4528DEBL & DWBL
VERTICAL SCALE	DESIGNATION
1"=20'	2002451 & 2002452
SURVEY BOOK	SHEETS
	5 of 13
CONTRACT	PROJECT
R-43375	2002424



EXISTING TYPICAL SECTION
WBL SHOWN



PROPOSED TYPICAL SECTION
WBL SHOWN

Plot: 2/28/2023 5:24 PM

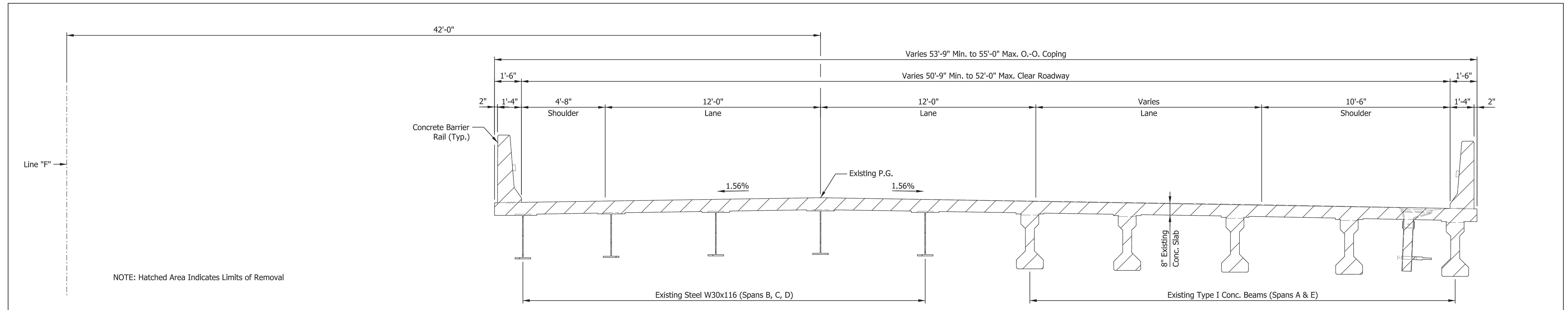
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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CHECKED: BFK	CHECKED: BFK	

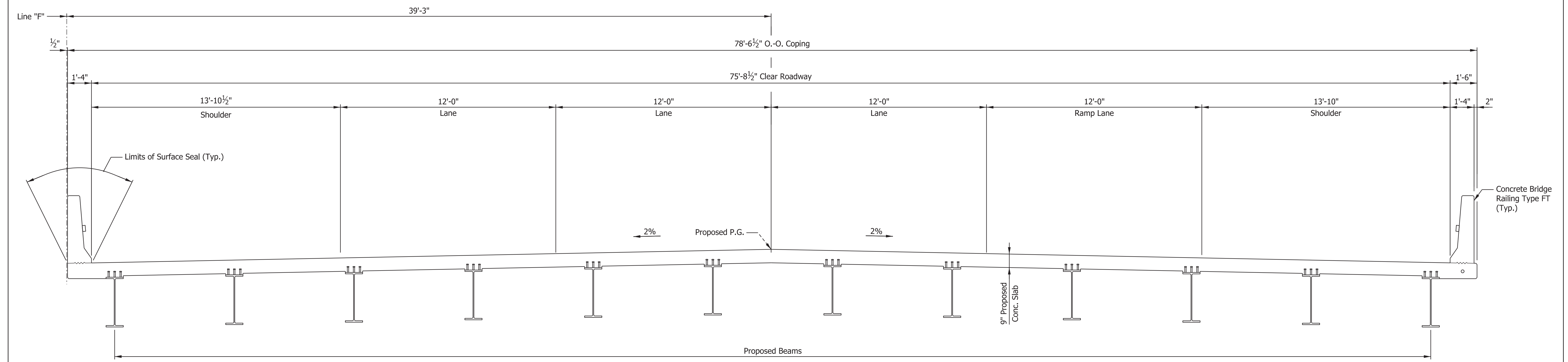
**INDIANA
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
3/8"=1'-0"	I70-150-4528DEBL & DWBL
VERTICAL SCALE	DESIGNATION
3/8"=1'-0"	2002451 & 2002452
SURVEY BOOK	SHEETS
	6 of 13
CONTRACT	PROJECT
R-43375	2002424



EXISTING TYPICAL SECTION
EBL SHOWN



PROPOSED TYPICAL SECTION
EBL SHOWN

Plot: 2/28/2023 5:24 PM

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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: <u>SK</u>	DRAWN: <u>JEW</u>	
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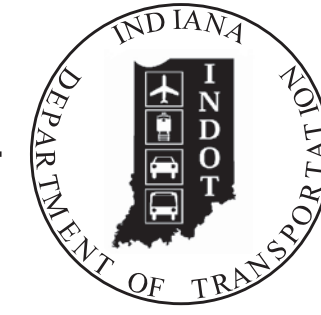
**INDIANA
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
3/8"=1'-0"	I70-150-4528DEBL & DWBL
VERTICAL SCALE	DESIGNATION
3/8"=1'-0"	2002451 & 2002452
SURVEY BOOK	SHEETS
	7 of 13
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002424	2002453 & 2002454
CONTRACT	BRIDGE FILE
R-43375	I70-152-4531 CEBL & JCWB

INDIANA DEPARTMENT OF TRANSPORTATION



TRAFFIC DATA

See Roadway Plans, Lead Des. No. 2002424

STRUCTURE INFORMATION

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
170-152-4531 CEBL	CONTINUOUS COMPOSITE STEEL GIRDER BRIDGE	5 Spans: 60'-0", 3 @ 72'-0", 60'-0" Skew: SQUARE	MIDDLE FORK OF THE EAST FORK OF WHITWATER RIVER	941+51.88 "F"
170-152-4531 JCWB	CONTINUOUS COMPOSITE STEEL GIRDER BRIDGE	5 Spans: 60'-0", 3 @ 72'-0", 60'-0" Skew: SQUARE	MIDDLE FORK OF THE EAST FORK OF WHITWATER RIVER	941+51.88 "F"

Bridge No. 32

Bridge No. 33

DESIGN DATA

DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL

BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: I-70 AT: RP 152+80

PROJECT NO. 2002453 & 2002454 P.E.

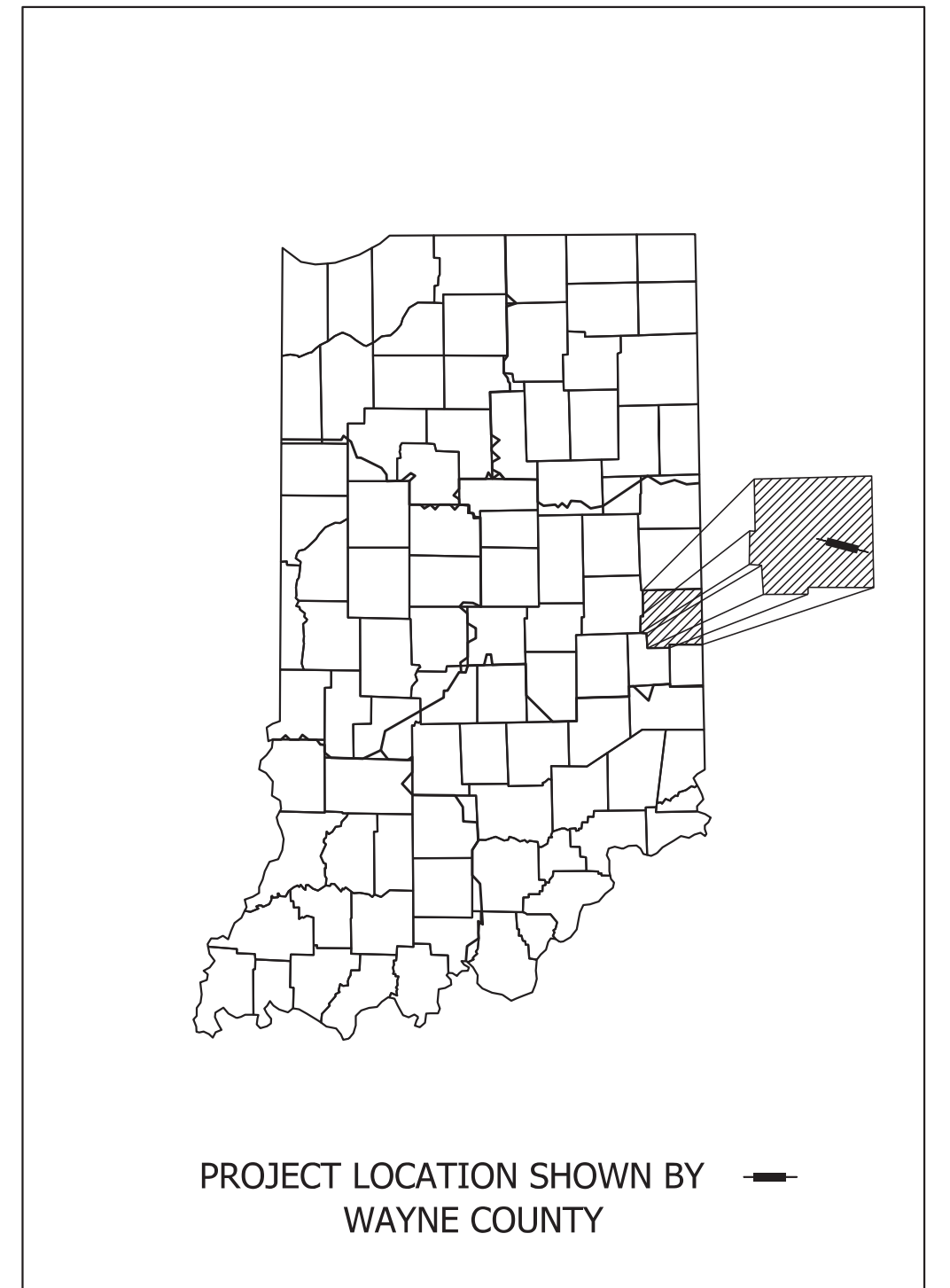
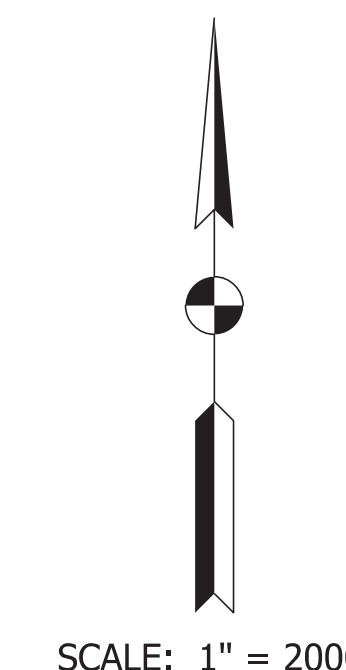
NO ADDITIONAL RIGHT-OF-WAY
REQUIRED FOR THIS PROJECT

R/W
2002424 CONST.

Bridge Widening and Rehabilitation on I-70 EB/WB over Middle Fork of the East Fork of Whitewater River
Located 0.11 Miles East of SR 227.
Section 22, T-14-N, R-1-W, Wayne Township, Wayne County, Indiana

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E Fk Whitewater River	Bridge
2002456	I70 WB over E FK/E Fk Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.



LATITUDE: 39° 52' 01" N LONGITUDE: 84° 51' 30" W

BRIDGE LENGTH: 0.064 MI.
ROADWAY LENGTH: See Plans (Des. 2002424) MI.
TOTAL LENGTH: See Plans (Des. 2002424) MI.
MAX. GRADE: +0.861 %

HUC: 050800030703

BRIDGE FILES:
I70-152-4531 CEBL
& I70-152-4531 JCWB
DES. NO. 2002453 & 2002454
STA. 941+51.88 "F"

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

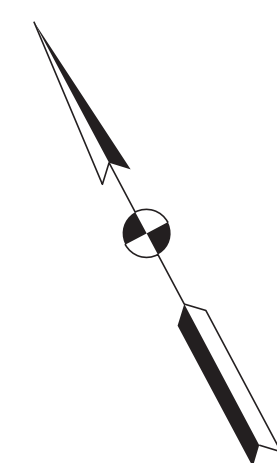
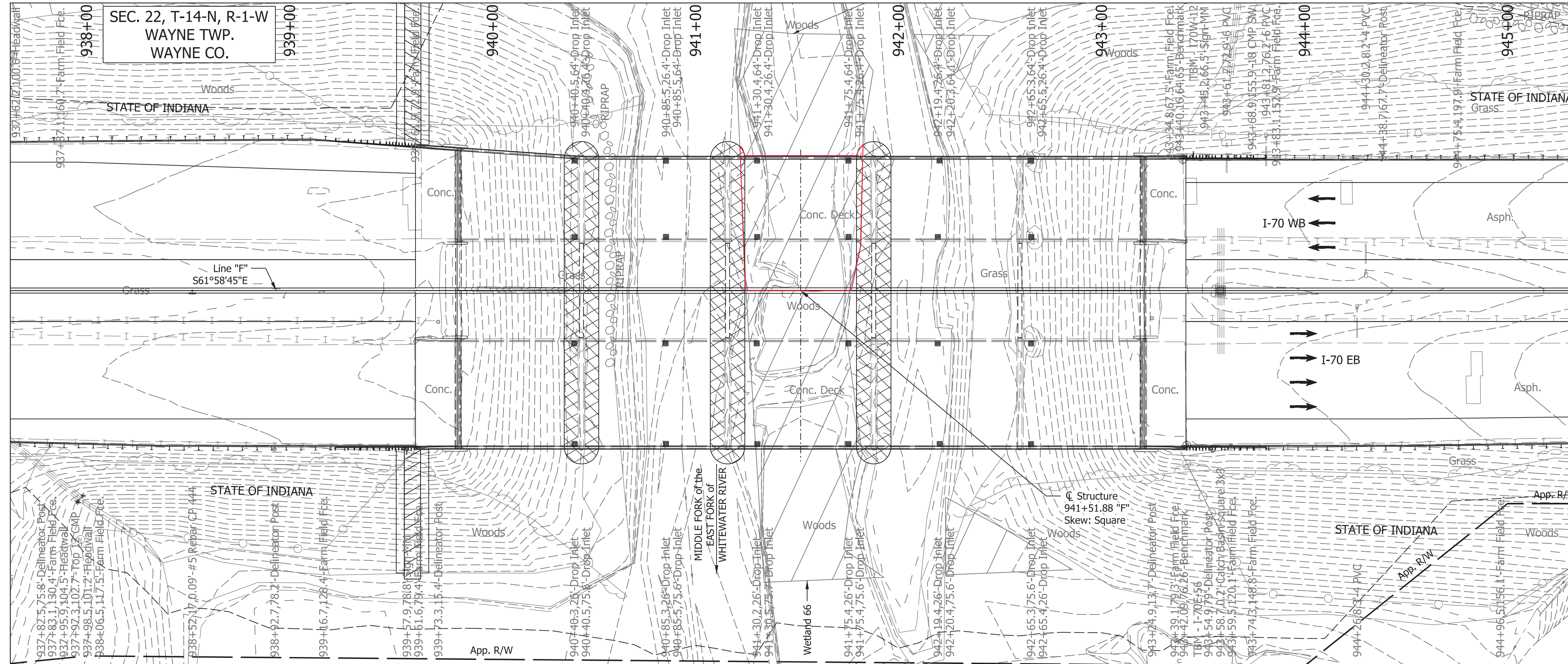
PARSONS
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
(317) 616-1000

PLANS PREPARED BY:	PARSONS	317-616-1000 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
I70-152-4531CEBL & JCWB	
DESIGNATION	
2002453 & 2002454	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 11
CONTRACT	PROJECT
R-43375	2002424

Plot: 2/11/2023 12:03 AM

File:pw://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Bridge/Sheets/Des 2002453 2002454_I70 EB-WB over M FK-E Fk Whitewater River/I70_S3_BR_M FK E Fk Whitewater_Title.dgn
Model:Default



HYDRAULIC DATA

Design Discharge (Q100)	= 10,710 Cfs.
Velocity (Q100)	= 8.85 Ft./Sec.
Q100 Elev.	= 978.65 Ft.
Estimated Scour (Contraction)	= 10.47 Ft.
Estimated Scour (Total)	= 17.07 Ft.

EXISTING STRUCTURE

The existing twin steel beam bridges were built in 1959 with 5 spans: 60'-0", 72'-0", 72'-0", 72'-0", 60'-0". The existing bridge was widened in 1989 with a 39'-4" min. WBL & 51'-4" min. EBL clear roadway reinforced concrete decks. Portion of existing bridge deck, railing and substructure to be removed to accommodate median widening.

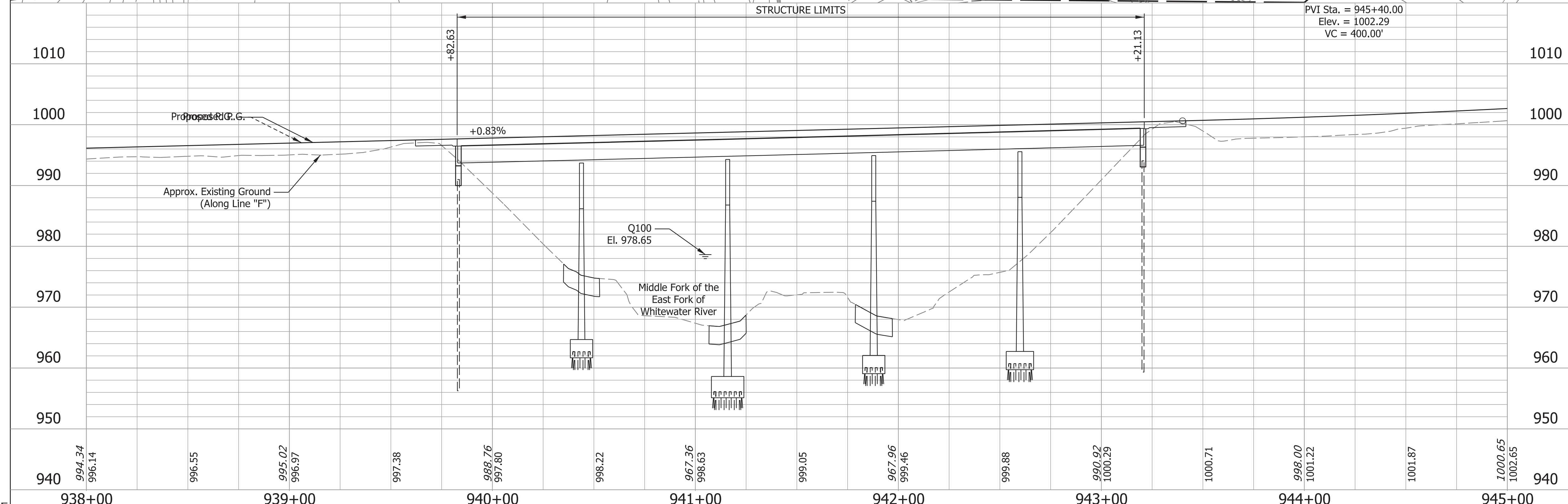
EARTHWORK TABULATION

For Earthwork Grading Tables see, Roadway Plans Des. No. 2002424.

NOTES:

For R/W, Maintenance of Traffic, and Additional Information see Roadway Plans Des. No. 2002424.

For Utility Contacts see Index Sheet No.2.

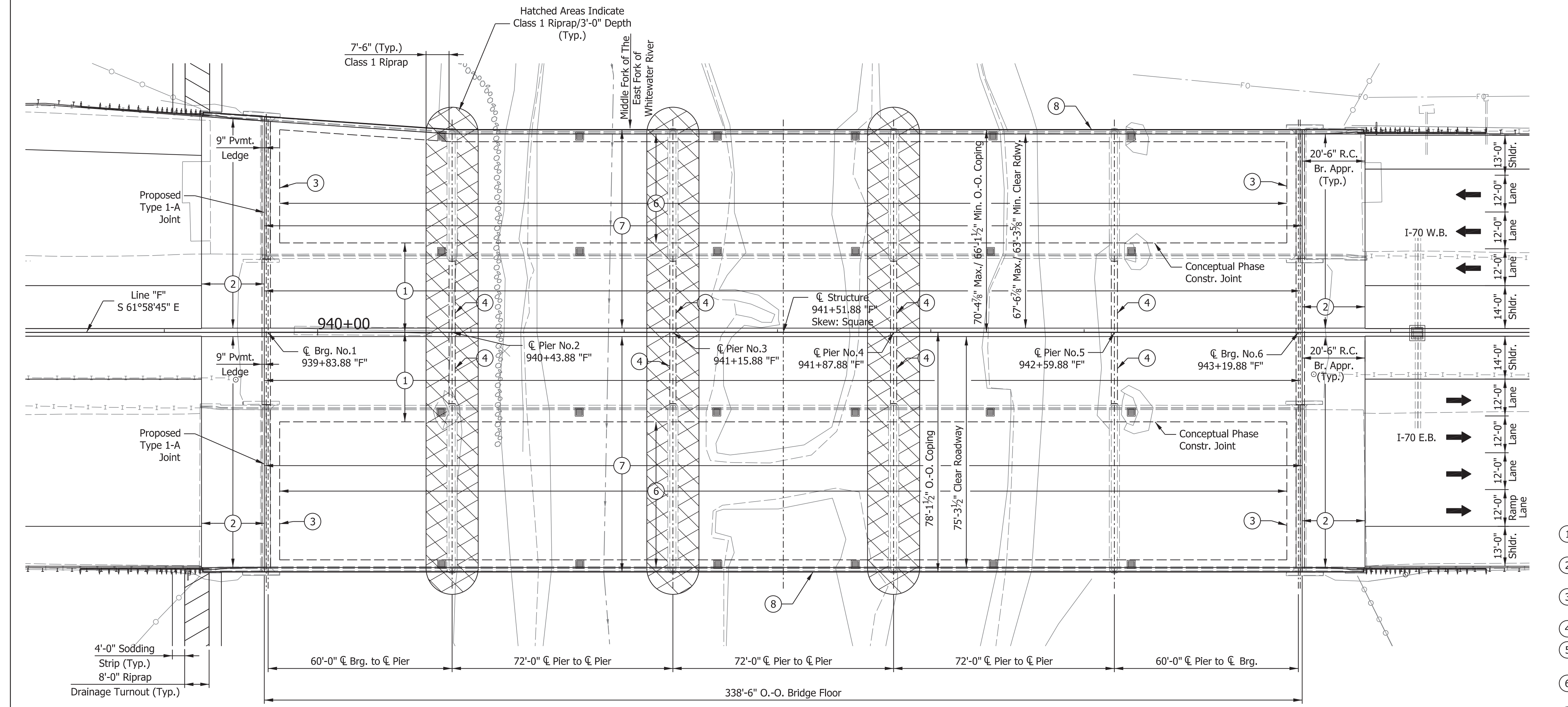
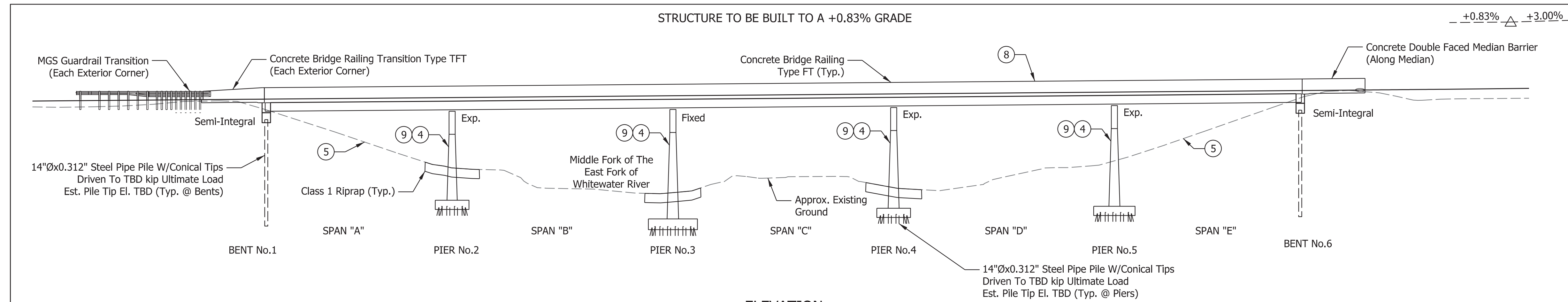


CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 5 SPANS: 60'-0", 72'-0", 72'-0", 72'-0", 60'-0"
 67'-6 7/8" Max./63'-3 1/2" Min. WBL &
 75'-3 1/2" EBL CLEAR ROADWAYS; SKEW: SQUARE
 I-70 EBL & WBL OVER MIDDLE FORK OF
 THE EAST FORK OF WHITEWATER RIVER
 WAYNE COUNTY

938+00	939+00	940+00	941+00	942+00	943+00	944+00	945+00							
994.34 996.14	996.55	995.02 996.97	997.38	988.76 997.80	996.22	967.36 996.63	999.05	967.96 999.46	999.88	990.92 1000.29	1000.71	998.00 1001.22	1001.87	1000.65 1002.65

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: SK	DRAWN: ALF		1"=30'	170-152-4531CEBL & JCWB
CHECKED: BFK	CHECKED: BFK		LAYOUT	VERTICAL SCALE	DESIGNATION
				1"=10'	2002453 & 2002454
				SURVEY BOOK	SHEETS
			ELECTRONIC	4 of 11	
			CONTRACT	PROJECT	
			R-43375	2002424	

File: pw://VANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/I10 - Design/01 - Parsons/30 - Design/CAD/Bridge/Sheets/Des 2002453 2002454_I70 EB-WB over M FK-E Fk Whitewater River/I70_S3_BR_M FK E Fk Whitewater_Layout.01.dgn
 Model:Default



GENERAL NOTES

Reinforcing steel covering shall be 2 1/2" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.

Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-149-4531, available upon request.

DESIGN DATA

Widened Superstructure and Substructure Designed for HS-20 Loading, in accordance with AASHTO Standard Specifications for Highway Bridges, 17th Edition, 2002, and its subsequent interims.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface and 15 psf for SIP Metal deck forms.

FLOOR SLAB

Designed with a 7 1/2" structural depth, and a 1 3/4" min. integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete	f _c = 3,500 p.s.i.
Class "B" Concrete	f _c = 3,000 p.s.i.
Class "C" Concrete	f _c = 4,000 p.s.i.

STEEL

Grade 50	f _y = 50,000 p.s.i.
----------	--------------------------------

REINFORCING STEEL

Grade 60	f _y = 60,000 p.s.i.
----------	--------------------------------

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of 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.

DECK FALSEWORK LOADS

Designed for 15 lb/Sft for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD

Designed for 20 lb/Sft extending 2-ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING MACHINE LOAD

4500 lb distributed over 10-ft along the coping.

WIND LOAD

Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA

Seismic Performance Zone	Zone x
Acceleration Coefficient (S _{D1})	0.xxx
Seismic Soil Profile Type	Site Class x

- LEGEND**
- ① Construct New Widened 7 1/2" Min. Concrete Deck. Along existing deck interface clean and straighten existing reinforcing.
 - ② Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
 - ③ Remove and Replace 6'-0" of Existing Bridge Deck. Convert existing Expansion Bents to Semi-Integral.
 - ④ Widen Existing Substructure to Accommodate New Widened Superstructure (Typ.).
 - ⑤ Place Class 1 or Partially Grouted Revetment Riprap where there is none present on Spillslopes between WBL & EBL.
 - ⑥ Surface Mill 1/2", perform soundings and chipping as required, and patch with partial depth patching.
 - ⑦ Place new 1 3/4" Min. Rigid Deck Overlay to account for profile grade adjustment.

CONTINUOUS COMPOSITE STEEL BEAM BRIDGES
 5 SPANS: 60'-0", 72'-0", 72'-0", 72'-0", 60'-0"
 67'-6 7/8" Max./63'-3 1/2" Min. WBL &
 75'-3 1/2" EBL CLEAR ROADWAYS; SKEW: SQUARE
 I-70 EBL & WBL OVER MIDDLE FORK OF
 THE EAST FORK OF WHITEWATER RIVER
 WAYNE COUNTY

Plot: 2/11/2023 12:05 AM

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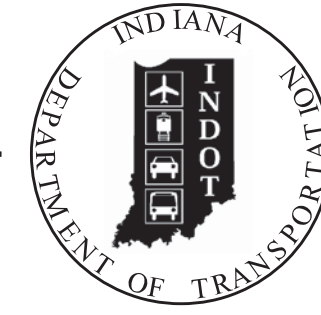
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DESIGNED: SK	DRAWN: ALF	
CHECKED: BFK	CHECKED: BFK	

INDIANA DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN	

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	170-152-4531CEBL & JCWB
VERTICAL SCALE	DESIGNATION
1"=20'	2002453 & 2002454
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 11
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002424	2002565 & 2002566
CONTRACT	BRIDGE FILE
R-43375	I70-154-10118 AEBL & AWBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-154-10118 AEBL	COMPOSITE STEEL GIRDER BRIDGE	1 Span: 71'-0" Skew: 27°30'00" Rt.	S.R. 121	1036+69.95 "F"
I70-154-10118 AWBL	COMPOSITE STEEL GIRDER BRIDGE	1 Span: 71'-0" Skew: 27°30'00" Rt.	S.R. 121	1036+69.95 "F"

Bridge No. 35

Bridge No. 36

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E Fk Whitewater River	Bridge
2002456	I70 WB over E FK/E Fk Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

BRIDGE PLANS

FOR SPANS OVER 20 FEET

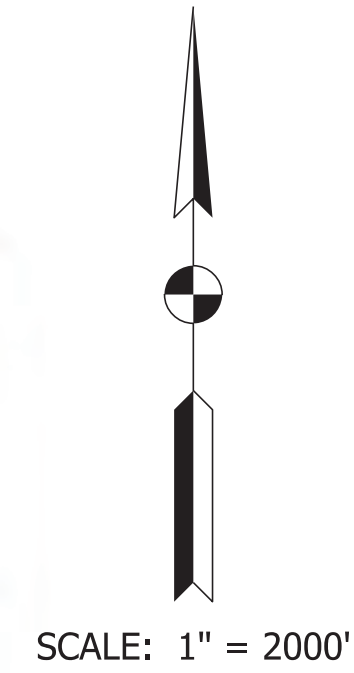
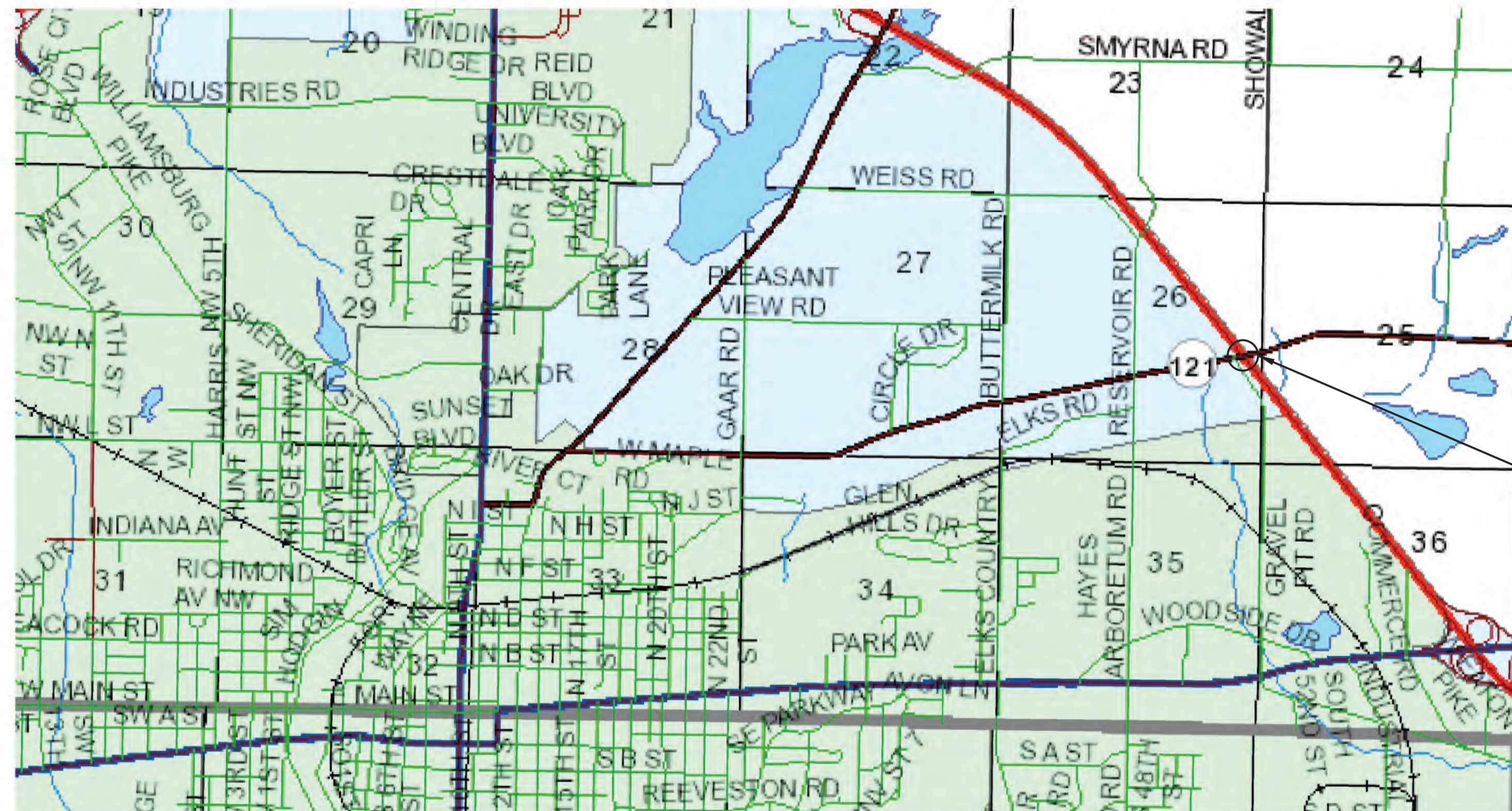
ROUTE: I-70 AT: RP 152+80

PROJECT NO. 2002565 & 2002566 P.E.

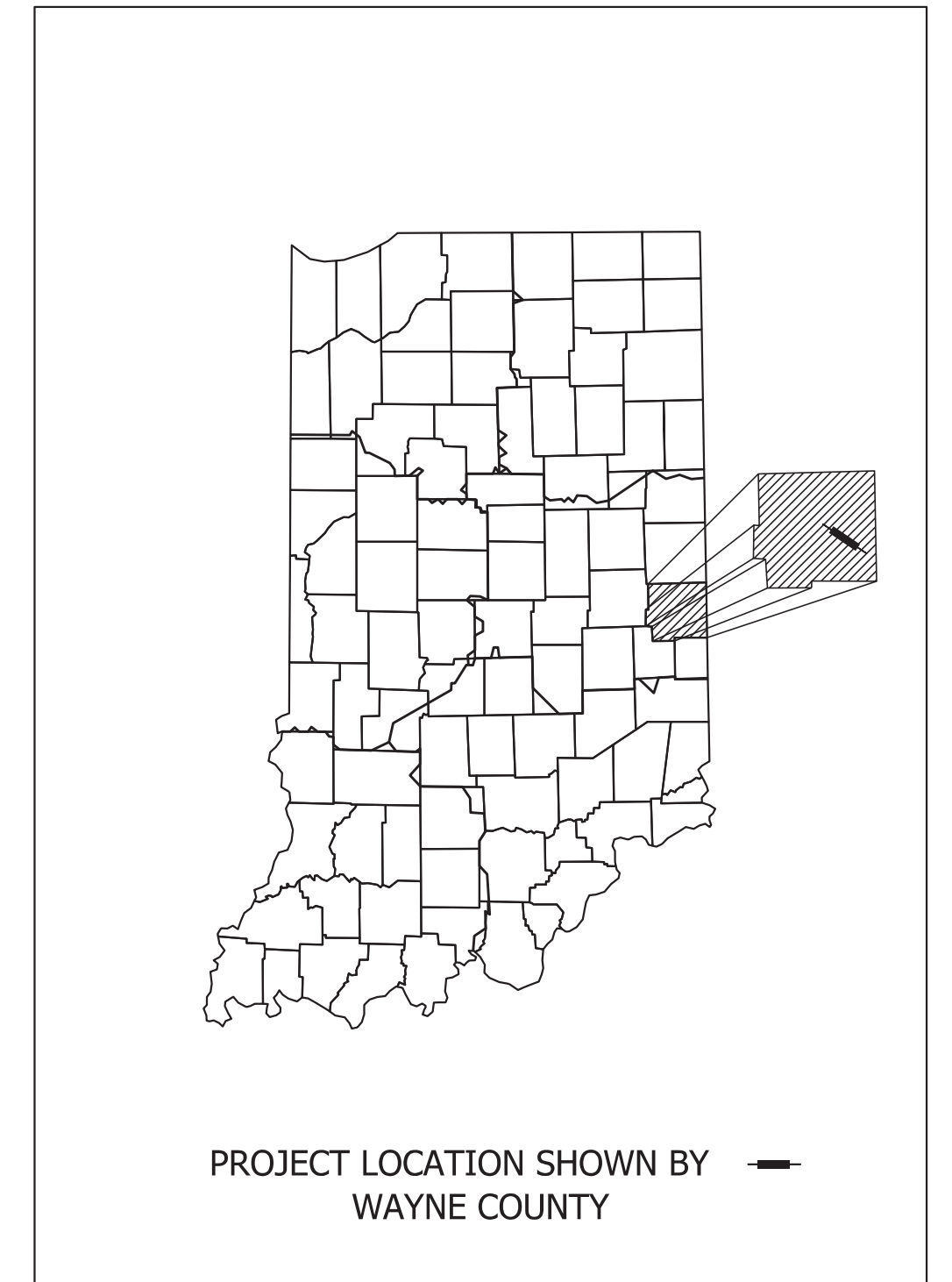
NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT R/W

2002424 CONST.

Bridge Widening and Rehabilitation on I-70 EB/WB over SR 121
 Located 1.4 Miles West of US 40.
 Section 26, T-14-N, R-1-W, Wayne Township, Wayne County, Indiana



TRAFFIC DATA	
See Roadway Plans, Lead Des. No. 2002424	
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL



LATITUDE: 39° 50' 56" N LONGITUDE: 84° 50' 02" W

BRIDGE LENGTH: - MI.
 ROADWAY LENGTH: See Plans (Des. 2002424) MI.
 TOTAL LENGTH: See Plans (Des. 2002424) MI.
 MAX. GRADE: 2.87 %

BRIDGE FILES:
 I70-154-10118 AEBL
 & I70-154-10118 AWBL
 DES. NO. 2002565 & 2002566
 STA. 1036+69.95 "F"

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



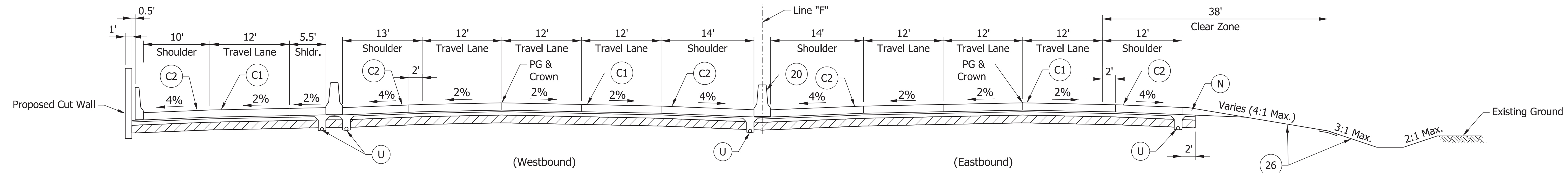
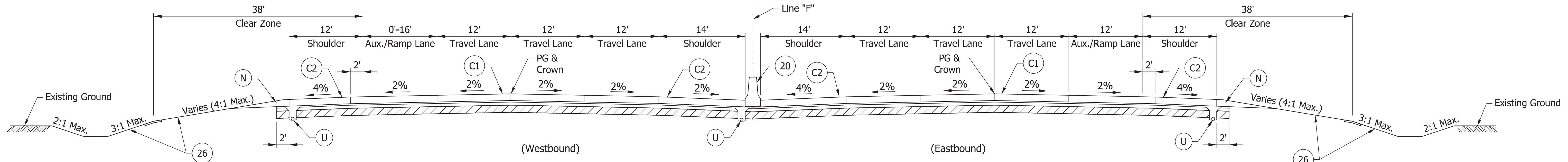
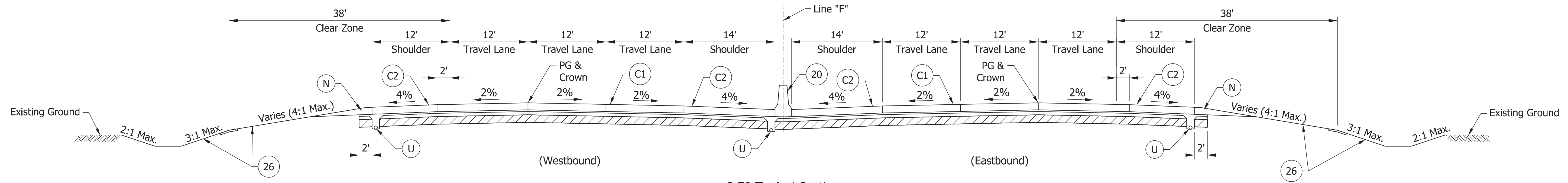
101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 (317) 616-1000

PLANS PREPARED BY:	PARSONS	317-616-1000
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		DATE
INDIANA DEPARTMENT OF TRANSPORTATION		

BRIDGE FILE	
I70-154-10118 AEBL&AWBL	
DESIGNATION	
2002565 & 2002566	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 7
CONTRACT	PROJECT
R-43375	2002424

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 Model:Default

Plot: 2/28/2023 3:20 PM



PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

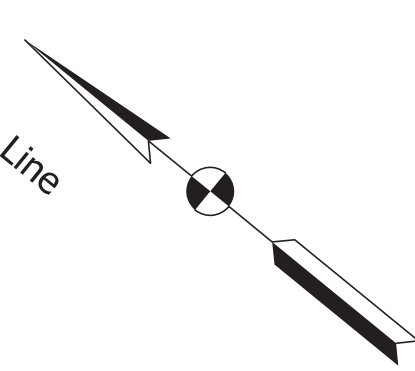
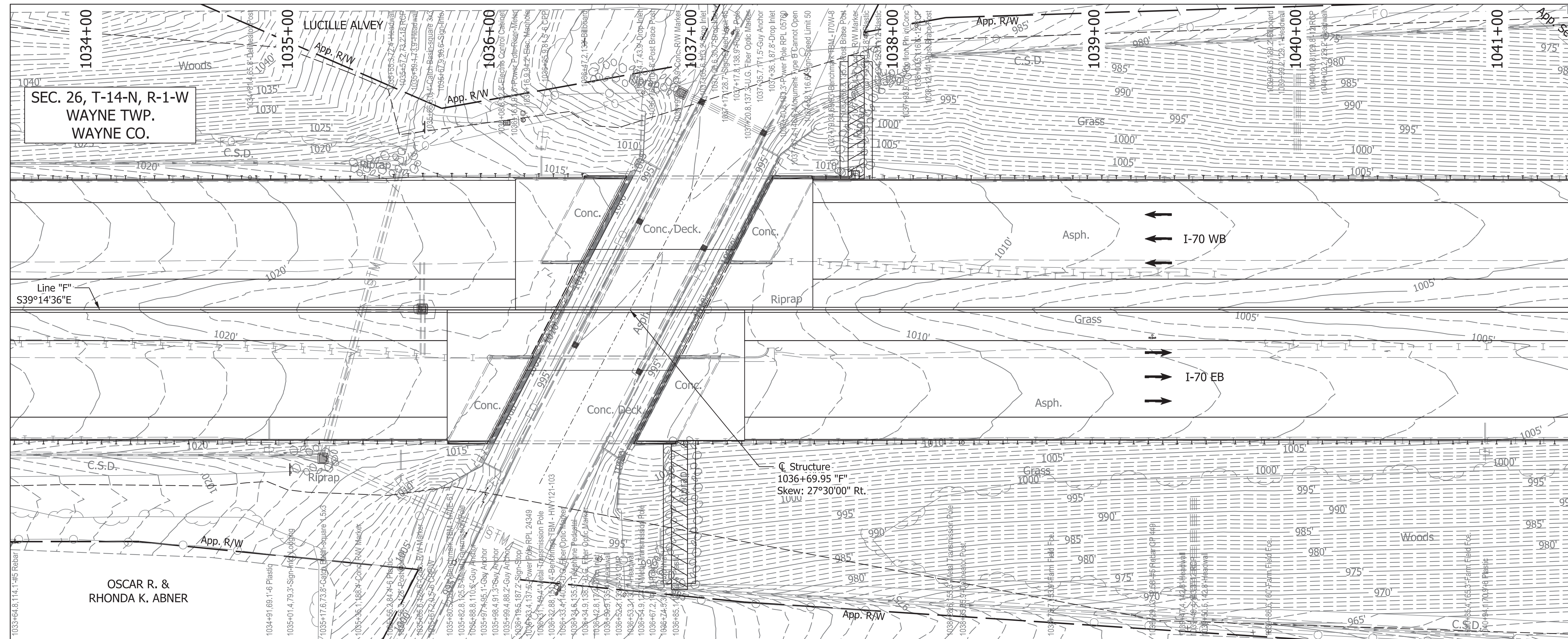
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DESIGNED: CAP DRAWN: DH	
CHECKED: JTL CHECKED: CAP	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	
VERTICAL SCALE	DESIGNATION
	2002424
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 7
CONTRACT	PROJECT
R-43375	2002424

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 \$DATE\$



EXISTING STRUCTURE

The existing twin steel beam bridges were built in 2017 with 1 span: 71'-0" with 40'-8" clear roadway reinforced concrete decks. Portion of existing bridge deck, railing and substructure to be removed to accommodate median widening.

EARTHWORK TABULATION

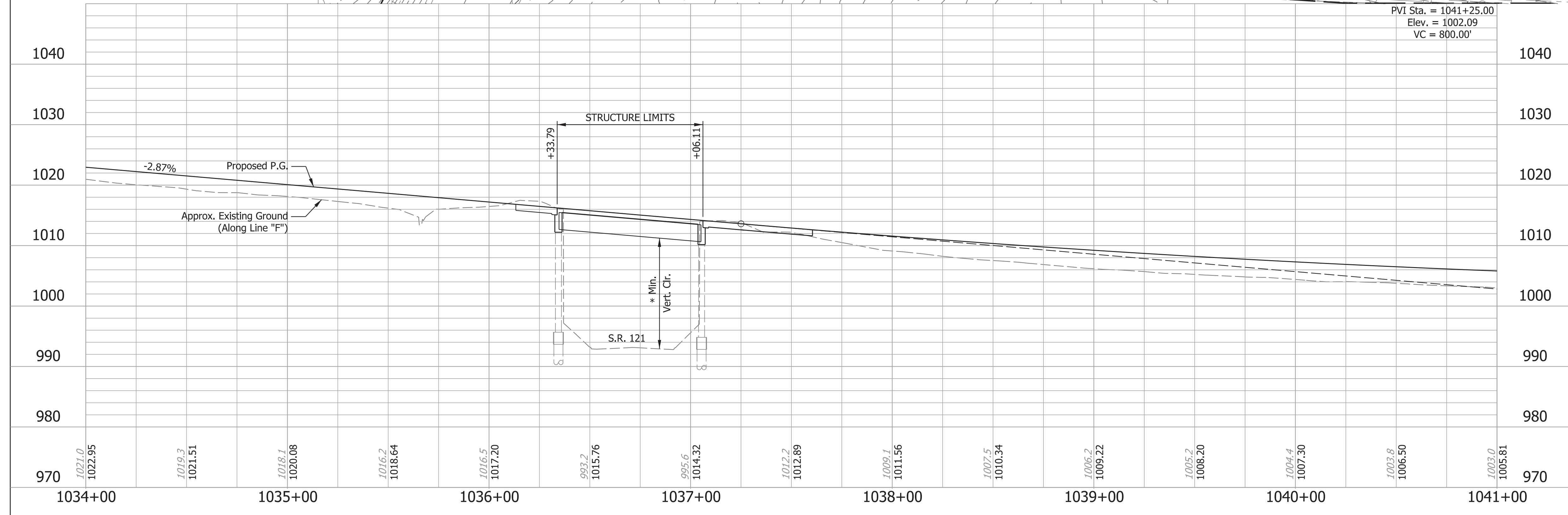
For Earthwork Grading Tables see, Roadway Plans Des. No. 2002424.

NOTES:

For R/W, Maintenance of Traffic, and Additional information see Roadway Plans Des. No. 2002424.

For Utility Contacts see Index Sheet No.2.

* 16'-8 3/4" WBL & 18'-1 1/8" EBL



COMPOSITE STEEL BEAM BRIDGES
1 SPAN: 71'-0"; 63'-7 1/2" WBL & EBL
CLEAR ROADWAYS; SKEW: 27°30'00" Rt.
I-70 EBL & WBL OVER S.R. 121
WAYNE COUNTY

Plot: 2/28/2023 3:35 PM

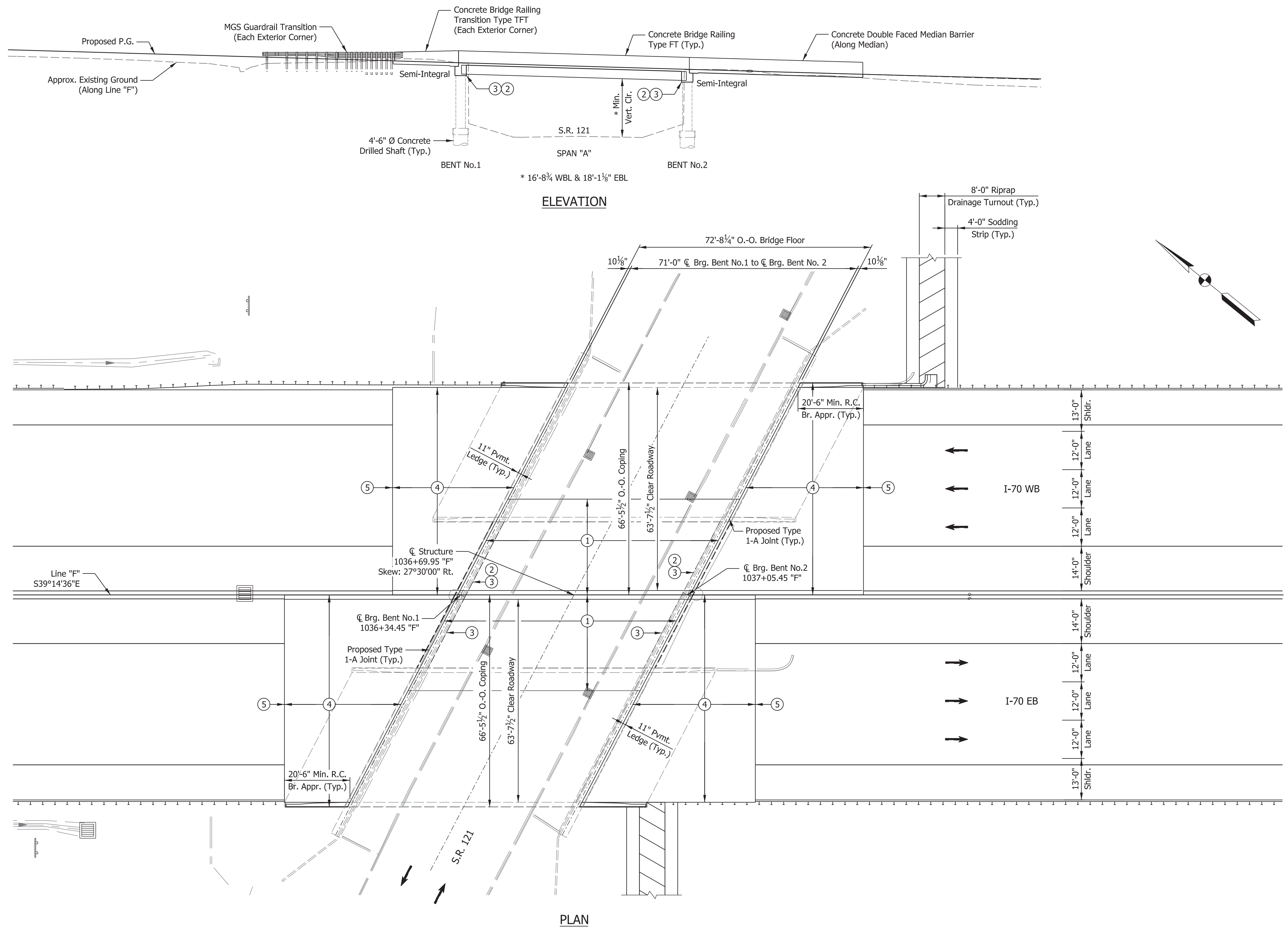
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Model:Default

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SK	DRAWN: JEW	
CHECKED: BFK	CHECKED: BFK	

INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

HORIZONTAL SCALE	BRIDGE FILE
1"=30'-0"	170-154-10118 AEBL & AWBL
VERTICAL SCALE	DESIGNATION
1"=10'-0"	2002565 & 2002566
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 7
CONTRACT	PROJECT
R-43375	2002424

STRUCTURE TO BE BUILT TO A -2.87% GRADE



GENERAL NOTES

Reinforcing steel covering shall be 2 1/2\" in Top and 1\" min. In bottom of floor slabs, 3\" in footing except bottom steel which shall be 4\", and 2\" in all other parts, unless noted.

Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-149-4531, available upon request.

DESIGN DATA

Widened Superstructure and Substructure Designed for HL-93 Loading, in accordance with AASHTO LRFD Bridge Design Specifications, 9th Edition.

DEAD LOAD

Actual weight plus 35 psf. of future wearing surface and 15 psf for SIP Metal deck forms.

FLOOR SLAB

Designed with a 7 1/2\" structural depth, and a 1 3/4\" min. integral wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete f'c = 3,500 p.s.i.
 Class "B" Concrete f'c = 3,000 p.s.i.
 Class "C" Concrete f'c = 4,000 p.s.i.

STEEL

Grade 50 f'y = 50,000 p.s.i.

REINFORCING STEEL

Grade 60 f'y = 60,000 p.s.i.

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of 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.

DECK FALSEWORK LOADS

Designed for 15 lb/Sft for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD

Designed for 20 lb/Sft extending 2-ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING MACHINE LOAD

4500 lb distributed over 10-ft along the coping.

WIND LOAD

Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA

Seismic Performance Zone Zone x
 Acceleration Coefficient (S_{D1}) 0.0xx
 Seismic Soil Profile Type Site Class x

LEGEND

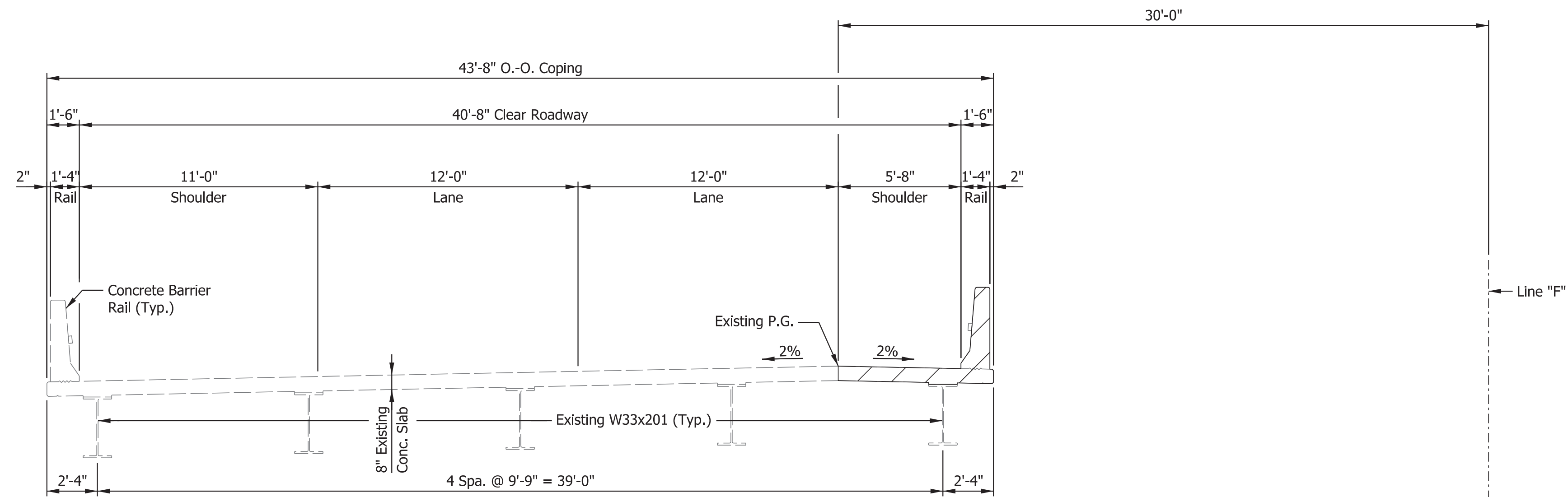
- 1 Construct New Widened 8\" Min. Concrete Deck. Along existing deck interface clean and straighten existing reinforcing.
- 2 Remove Existing MSE Walls that sit atop bents in median.
- 3 Widen Existing Substructure to Accommodate New Widened Superstructure (Typ.).
- 4 Construct New Full Width Concrete Bridge Approaches with Concrete Bridge Railing Type FT or Transitions Type TFT.
- 5 Place Terminal Joint, Type CRCP. (See Roadway Plans Des. No. 2002424).

COMPOSITE STEEL BEAM BRIDGES
 1 SPAN: 71'-0\"; 63'-7 1/2\" WBL & EBL
 CLEAR ROADWAYS; SKEW: 27°30'00\" Rt.
 I-70 EBL & WBL OVER S.R. 121
 WAYNE COUNTY

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			1/16\"=1'-0\"	I70-154-10118 AEBL & AWBL
DESIGNED: SK DRAWN: JEW	CHECKED: BFK CHECKED: BFK	GENERAL PLAN		DESIGNATION
				1/16\"=1'-0\"
				2002565 & 2002566
				SURVEY BOOK SHEETS
				ELECTRONIC 5 of 7
				CONTRACT PROJECT
				R-43375 2002424

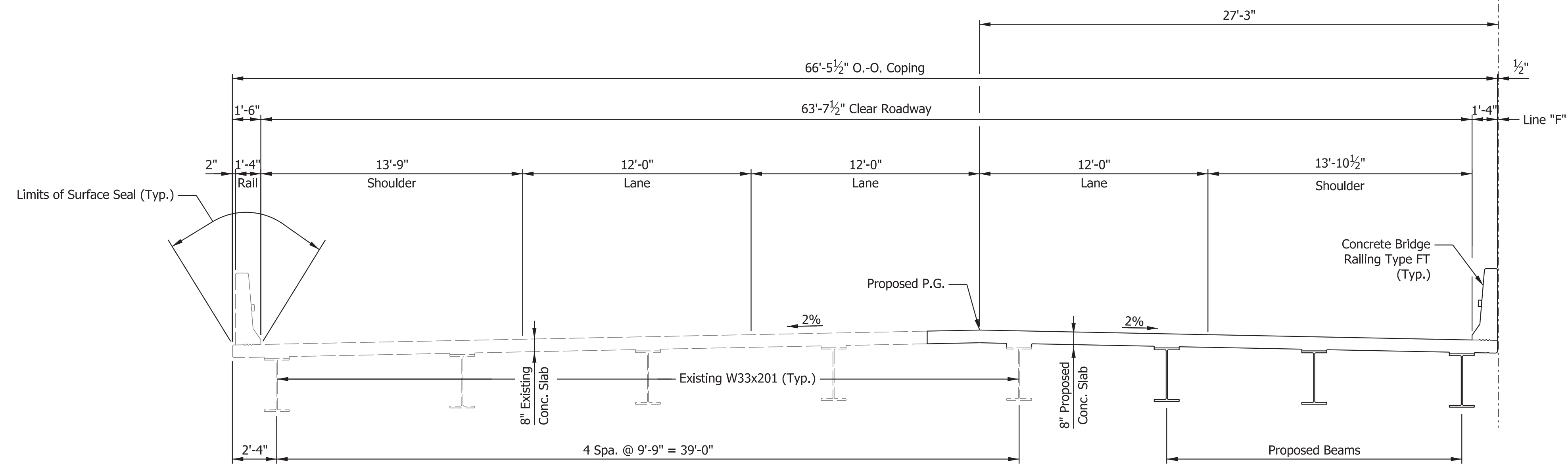
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 Model:Default



EXISTING TYPICAL SECTION
WBL SHOWN, EBL SAME BY OPPOSITE HAND

NOTE: Hatched Area Indicates Limits of Removal



PROPOSED TYPICAL SECTION
WBL SHOWN, EBL SAME BY OPPOSITE HAND

COMPOSITE STEEL BEAM BRIDGES
1 SPAN: 71'-0"; 63'-7 1/2" WBL & EBL
CLEAR ROADWAYS; SKEW: 27°30'00" Rt.
I-70 EBL & WBL OVER S.R. 121
WAYNE COUNTY

Plot: 2/28/2023 3:22 PM

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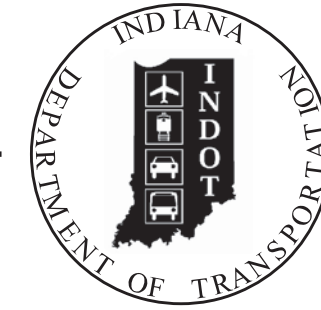
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SK	DRAWN: JEW	
CHECKED: BFK	CHECKED: BFK	

INDIANA DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN	

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	170-154-10118 AEBL & AWBL
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	2002565 & 2002566
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 7
CONTRACT	PROJECT
R-43375	2002424

PROJECT	DESIGNATION
2002424	2002455 & 2002456
CONTRACT	BRIDGE FILE
R-43375	I70-154-10789EBL & 10790WBL

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I70-154-10789 EBL	COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE	1 Span: 145'-0" Skew: 35° 00' 00" Rt.	EAST FORK OF EAST FORK OF WHITEWATER RIVER	1045+90.00 "F"
I70-154-10790 WBL	COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGE	1 Span: 145'-0" Skew: 35° 00' 00" Rt.	EAST FORK OF EAST FORK OF WHITEWATER RIVER	1045+90.00 "F"

Bridge No. 37

Bridge No. 38

TRAFFIC DATA

See Roadway Plans, Lead Des. No. 2002424

DESIGN DATA

DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL

KIN Project Information		
Des. No.	Project Description	Type
2002424*	I-70 from West of SR1 to West of Centerville Rd. and All Culverts	Road
2002422	I-70 from West of Centerville Rd. to West of US27	Road
2002423	I-70 from West of US27 to OH State Line	Road
2200762	I70 EB over Whitewater River	Bridge
2200763	I70 WB over Whitewater River	Bridge
2002426	I70 WB over Whitewater River Overflow	Bridge
2002434	I70 EB over Whitewater River Overflow	Bridge
2002427	I70 WB over Martindale Creek	Bridge
2002567	I70 EB over Martindale Creek	Bridge
2002428	I70 EB over Jacksonburg Rd.	Bridge
2002429	I70 WB over Jacksonburg Rd.	Bridge
2002430	I70 EB over Plum Creek	Bridge
2002431	I70 WB over Plum Creek	Bridge
2002432	I70 EB over Greens Fork	Bridge
2002433	I70 WB over Greens Fork	Bridge
2002575	Washington Rd. over I70	Bridge
2002436	I70 EB over Nolands Fork	Bridge
2002437	I70 WB over Nolands Fork	Bridge
2002574	CR40 over I70	Bridge
2002438	I70 EB over NSRR	Bridge
2002439	I70 WB over NSRR	Bridge
2002440	I70 EB over Round Barn Rd.	Bridge
2002441	I70 WB over Round Barn Rd.	Bridge
2002442	I70 EB over Clear Creek	Bridge
2002443	I70 WB over Clear Creek	Bridge
2002445	US35 NB over I70 EB/WB	Bridge
2002446	US35 SB over I70 EB/WB	Bridge
2002447	I70 EB over Cardinal Greenway	Bridge
2002448	I70 WB over Cardinal Greenway	Bridge
2002449	I70 EB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002450	I70 WB over CR 500 E Old SR 627 (Union Pike)	Bridge
2002451	I70 EB over W FK/E Fk Whitewater River	Bridge
2002452	I70 WB over W FK/E Fk Whitewater River	Bridge
2002453	I70 EB over M FK/E Fk Whitewater River	Bridge
2002454	I70 WB over M FK/E Fk Whitewater River	Bridge
2002573	CR38 (Smyrna Rd.) over I70	Bridge
2002565	I70 EB over SR121	Bridge
2002566	I70 WB over SR121	Bridge
2002455	I70 EB over E FK/E FK Whitewater River	Bridge
2002456	I70 WB over E FK/E FK Whitewater River	Bridge
2002457	I70 EB over Access Road	Bridge
2002458	I70 WB over Access Road	Bridge
2002484	I70 WB over US40	Bridge
2002485	I70 EB over US40	Bridge
2002564	Small Structure Pipe Lining	Culvert
2002568	Small Structure Replacement	Culvert
2002569	Small Structure Replacement	Culvert
2002570	Small Structure Replacement	Culvert
2002571	Small Structure Replacement	Culvert

* - Lead Des. No.

BRIDGE PLANS

FOR SPANS OVER 20 FEET

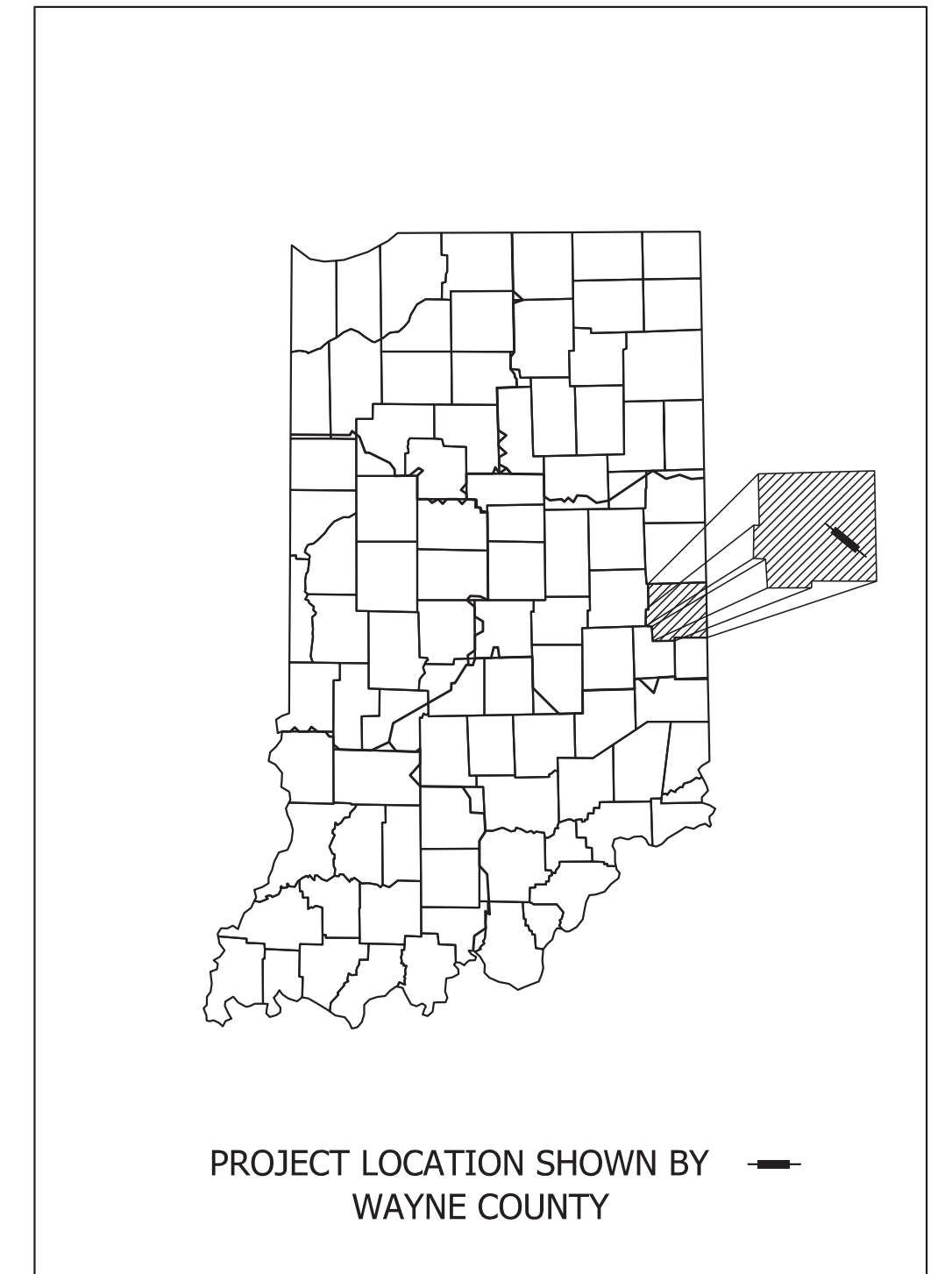
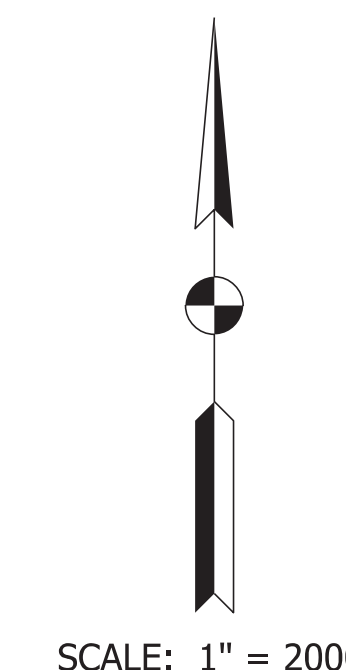
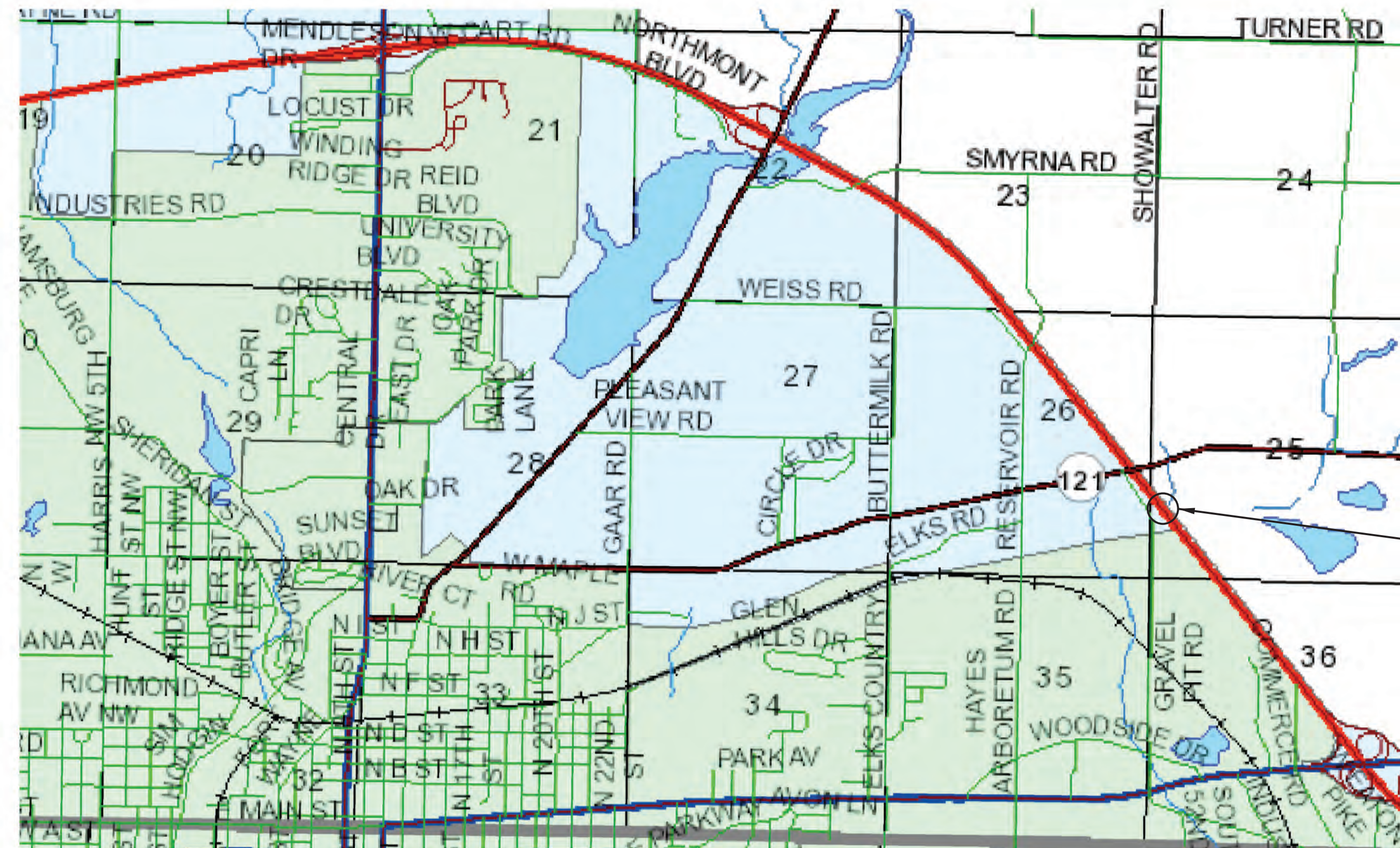
ROUTE: I-70 AT: RP 154+32

PROJECT NO. 2002455 & 2002456 P.E.

NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

R/W CONST. 2002424

Bridge Replacement on I-70 EB/WB over East Fork of East Fork of Whitewater River
 Located 0.18 Miles East of SR 121.
 Section 25, T-14-N, R-1-W, Wayne Township, Wayne County, Indiana



LATITUDE: 39° 50' 50" N LONGITUDE: 84° 49' 55" W

BRIDGE LENGTH: 0.028 MI.
 ROADWAY LENGTH: See Plans (Des. 2002424) MI.
 TOTAL LENGTH: See Plans (Des. 2002424) MI.
 MAX. GRADE: 0.53 %

HUC: 050800030704

BRIDGE FILES:
 I70-154-10789 EBL
 & I70-154-10790 WBL
 DES. NO. 2002455 & 2002456
 STA. 1045+90.00 "F"

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

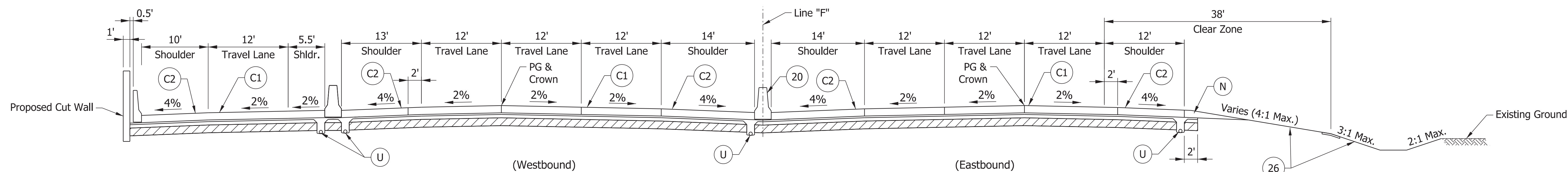
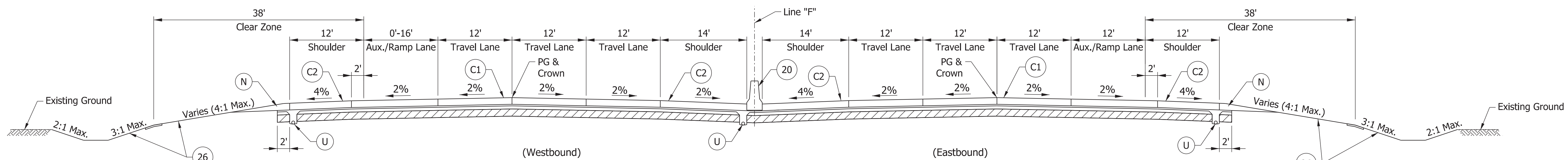
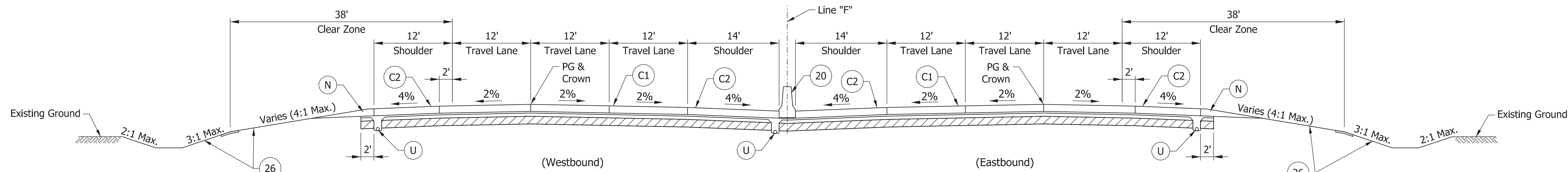
PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 (317) 616-1000

PLANS PREPARED BY: PARSONS	317-616-1000 PHONE NUMBER
CERTIFIED BY:	DATE
APPROVED FOR LETTING:	DATE
INDIANA DEPARTMENT OF TRANSPORTATION	

BRIDGE FILE	
I70-154-10789 EBL & 10790 WBL	
DESIGNATION	
2002455 & 2002456	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 8
CONTRACT	PROJECT
R-43375	2002424

Plot: 3/7/2023 2:44 PM

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 Model:Default



PARSONS
 101 W. Ohio St., Suite 2121
 Indianapolis, IN 46204
 Bus (317) 616-1000

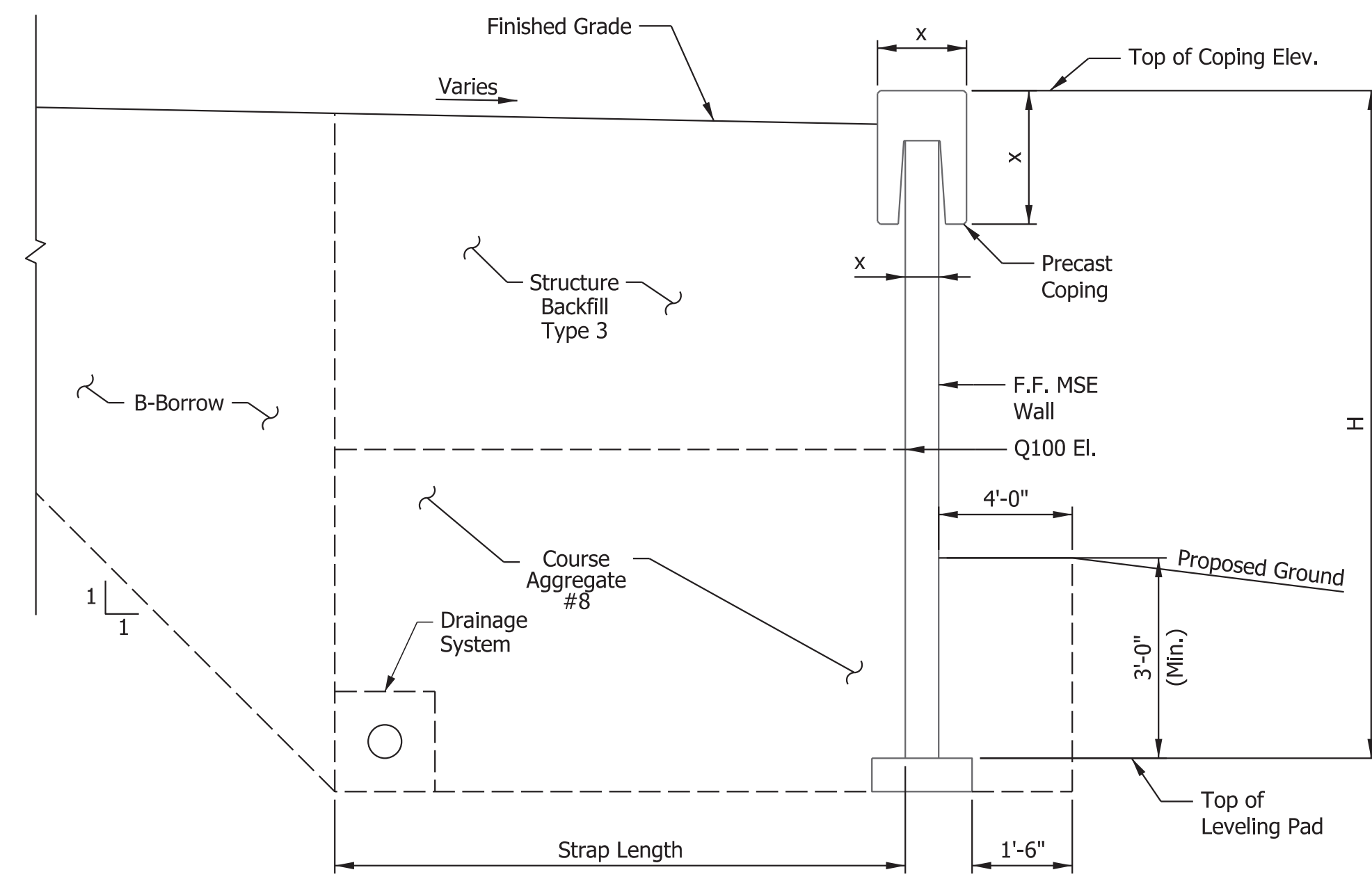
- (C1) CRCP Pavement, TBD
- (C2) PCCP Pavement, TBD
- (N) Compacted Aggregate, No. 53
- (U) 6" Underdrain
- (20) Concrete Median Barrier
- (21) Concrete Railing Type FT and Moment Slab
- (22) Concrete Median Barrier, Modified
- (26) See Mixture, R
- (45) Guardrail, MGS, 6'-3" Spacing
- (46) Guardrail, End Treatment, OS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CAP	DRAWN: DH	
CHECKED: JTL	CHECKED: CAP	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS

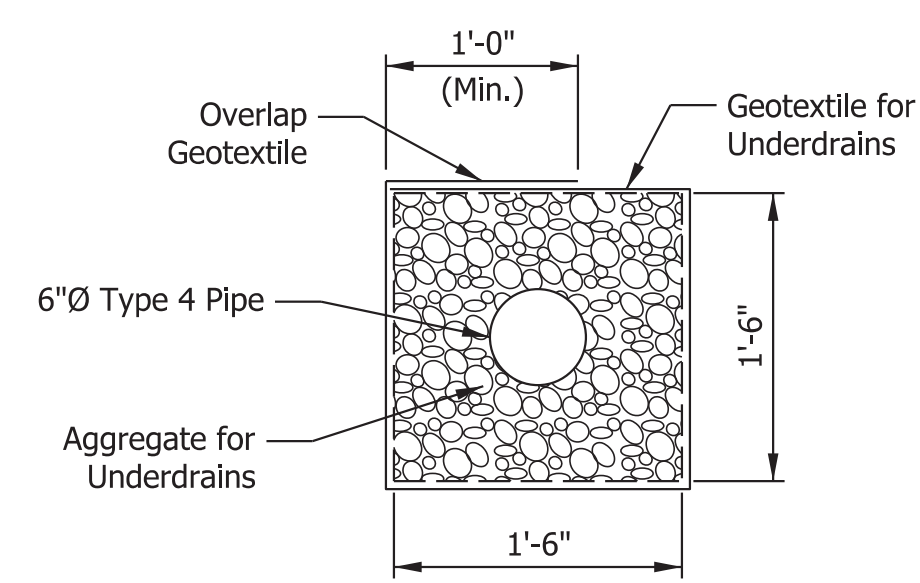
HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	DESIGNATION
VERTICAL SCALE	2002424
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 8
CONTRACT	PROJECT
R-43375	2002424

pww://NANVA01PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/10 - Design/01 - Parsons/30 - Design/CAD/Roadway/Sheets/R-43375_RD_Sht_Typical_02.dgn
 \$DATE\$



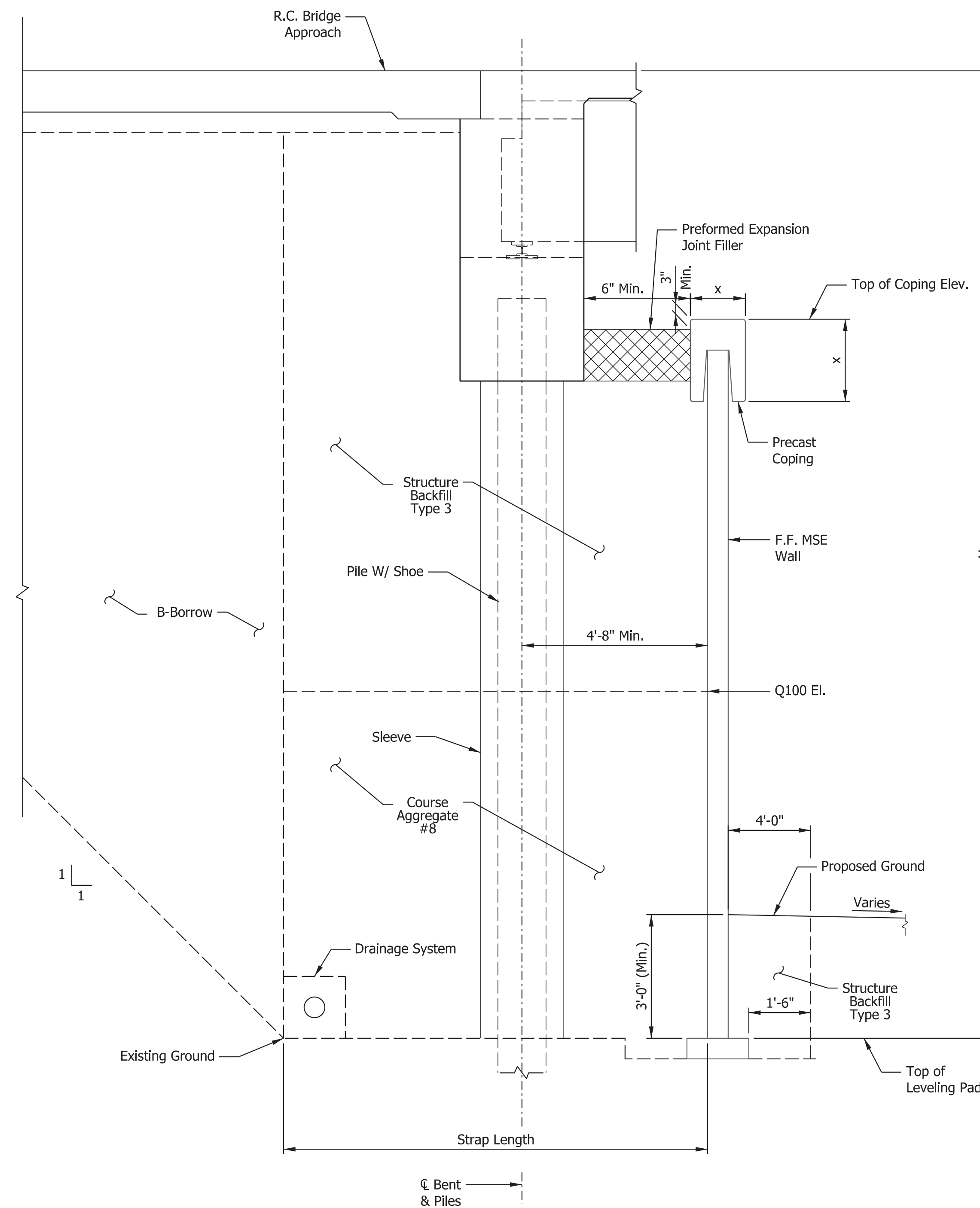
TYPICAL MSE WALL SECTION

Scale: 1/2" = 1'-0"



DRAINAGE SYSTEM TYPICAL SECTION

Scale: 1" = 1'-0"



TYPICAL WALL SECTION AT BRIDGE END BENT

Scale: 1/2" = 1'-0"

NOTES:

x - Mechanically Stabilized Earth wall and precast cap dimensions vary depending on type of precast wall used. Engineer shall verify any changes.

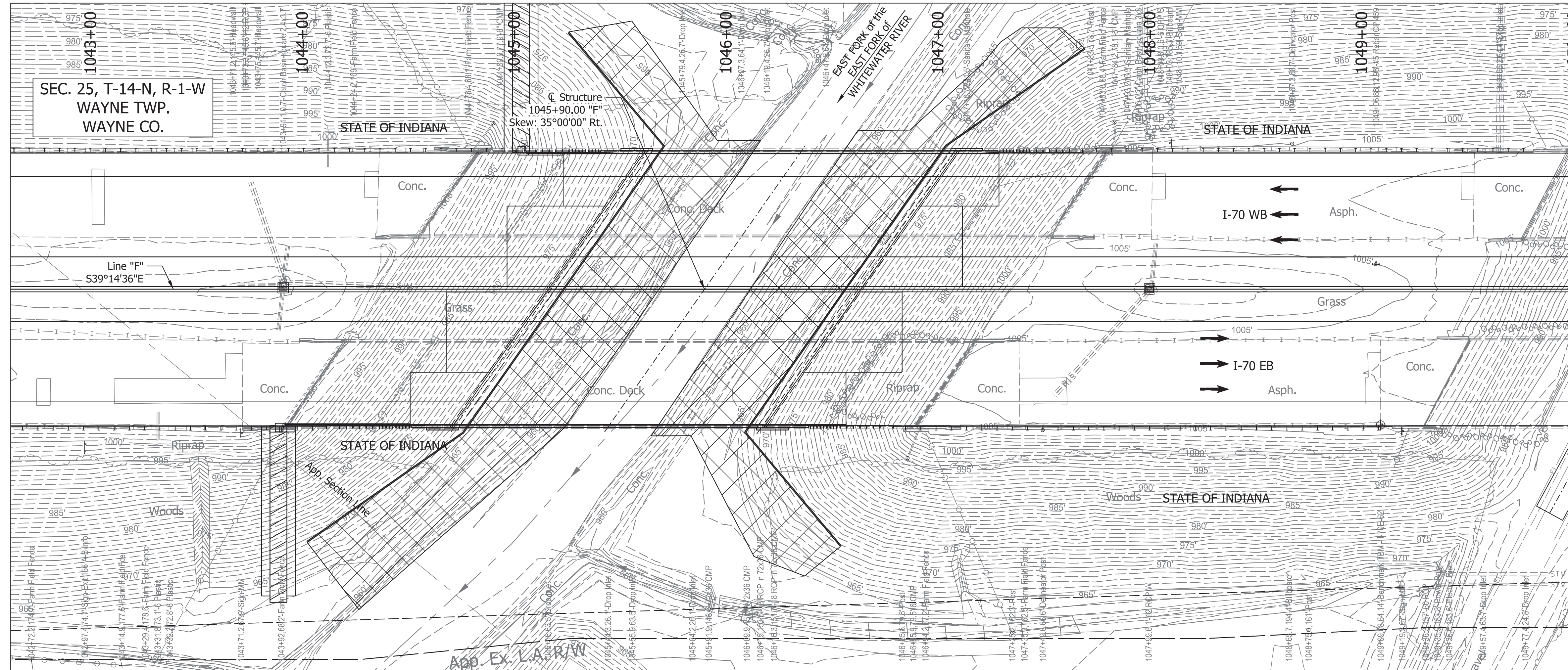
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Model: Default

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SK	DRAWN: JEW	
CHECKED: BFK	CHECKED: BFK	

INDIANA DEPARTMENT OF TRANSPORTATION	
RETAINING WALL DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	I70-154-10789 EBL & 10790 WBL
VERTICAL SCALE	DESIGNATION
AS NOTED	2002455 & 2002456
SURVEY BOOK	SHEETS
	4 of 8
CONTRACT	PROJECT
R-43375	2002424



SEC. 25, T-14-N, R-1-W
WAYNE TWP.
WAYNE CO.

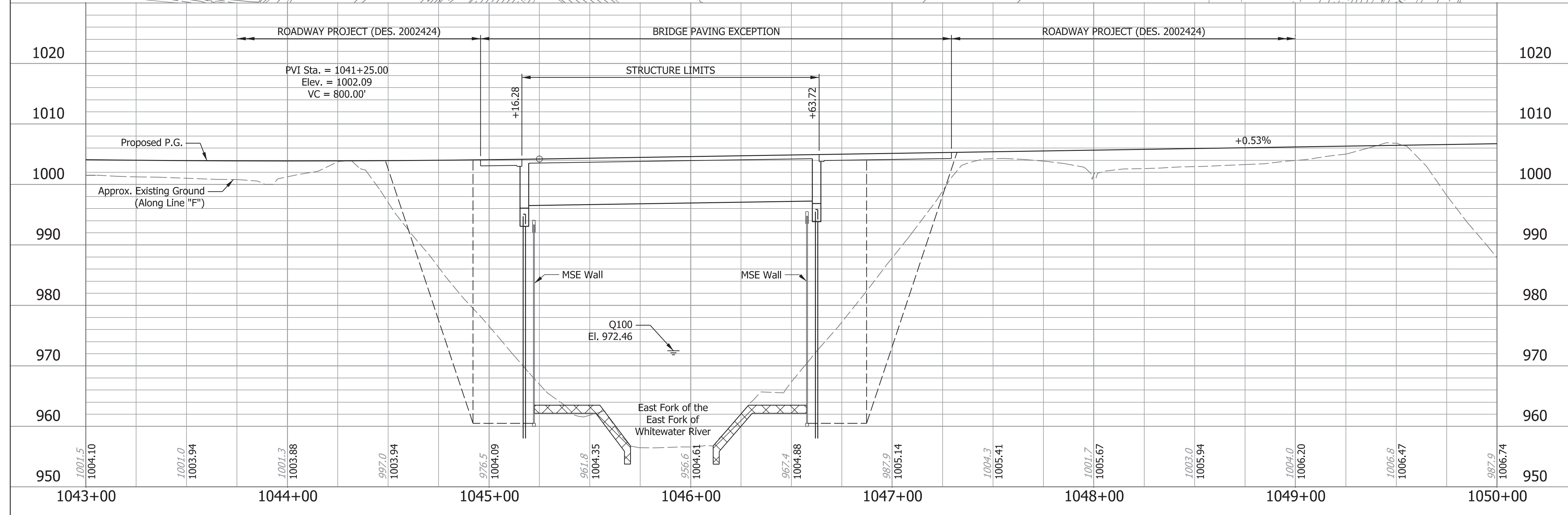
HYDRAULIC DATA

Drainage Area	= 40.72 Sq. Mi.
Design Discharge (Q100)	= 11300 Cfs.
Velocity (Q100)	= 8.73Ft./Sec.
Backwater (Q100)	= 2.20 Ft.
Waterway Opening Required	= 1276 Sq. Ft.
Waterway Opening Provided	= 1285 Sq. Ft.
Q100 Elev. (Natural Channel)	= 972.46 Ft.
Q100 Elev. (@ Proposed Structure)	= 974.81 Ft.
Min. Low Structure Elev.	= 993.35 Ft.
Q100 Scour Elev.	= 947.14 Ft.
Q500 Scour Elev.	= 943.55 Ft.

EXISTING STRUCTURE
The existing twin steel beam bridges were built in 1959 with 5 spans: 38'-8³/₁₆", 66'-3", 79'-6", 66'-3", 38'-8³/₁₆". The existing bridge was widened in 1990 with 39'-4" clear roadway reinforced concrete decks. Existing structure to be removed and replaced.

EARTHWORK TABULATION
For Earthwork Grading Tables see, Roadway Plans Des. No. 2002424.

- NOTES:**
- For R/W, Maintenance of Traffic, and Additional information see Roadway Plans Des. No. 2002424.
 - For Utility Contacts see Index Sheet No.2.
 - Cross-Hatched areas indicate limits of Class 1 Riprap over Geotextiles.
 - Hatched areas indicate limits of Revetment Riprap over Geotextiles, for Drainage Turnout.

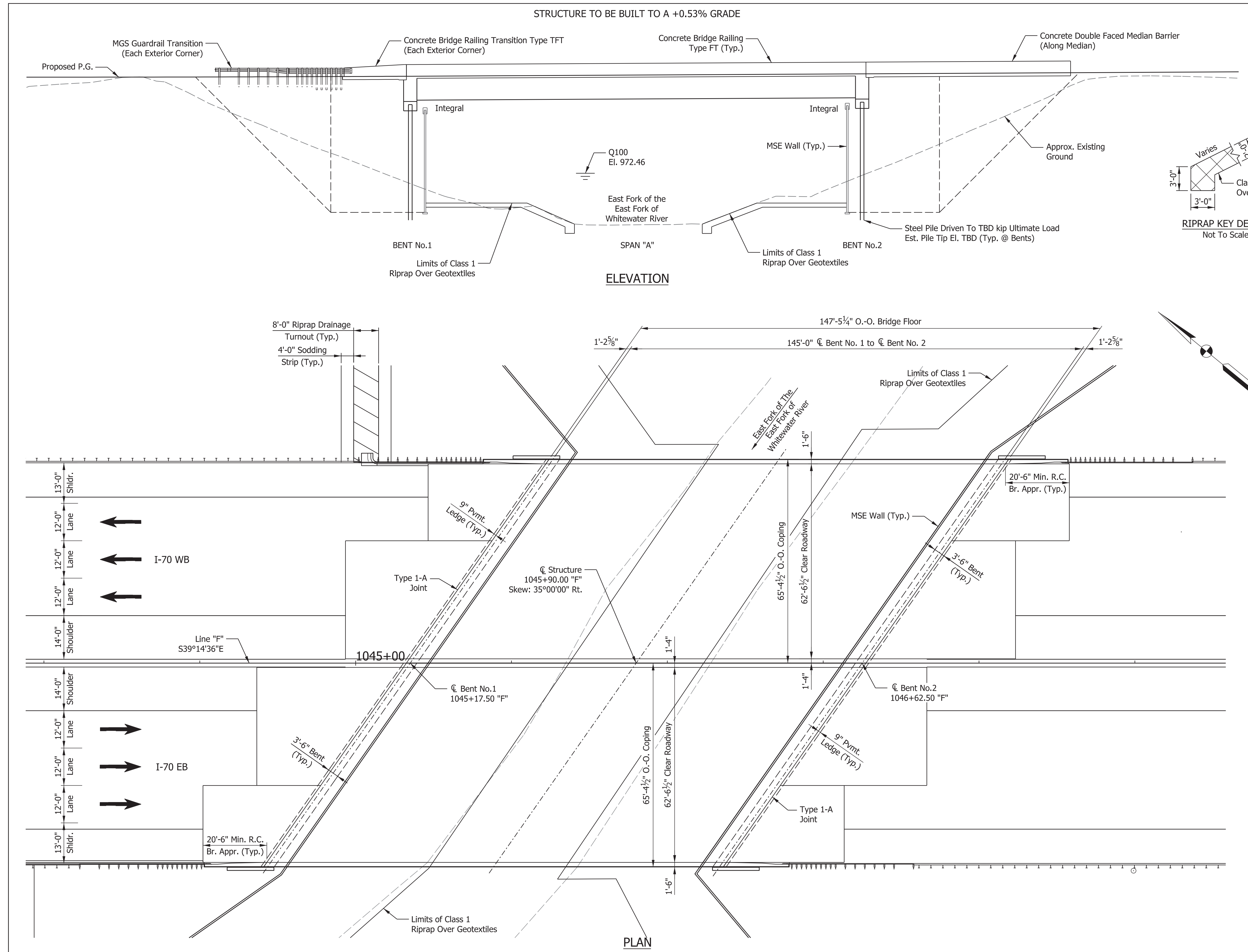


COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGES
1 SPAN: 145'-0"
62'-6 1/2" CLEAR ROADWAYS; SKEW: 35°00'00" RT.
I-70 EBL & WBL OVER EAST FORK OF THE EAST FORK OF WHITWATER RIVER
WAYNE COUNTY

Plot: 3/7/2023 5:15 PM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: SK	DRAWN: JEW				1"=30'	I70-154-10789 EBL & 10790 WBL
CHECKED: BFK	CHECKED: BFK				LAYOUT	VERTICAL SCALE	DESIGNATION
						1"=10'	2002455 & 2002456
						SURVEY BOOK	SHEETS
							5 of 8
						CONTRACT	PROJECT
						R-43375	2002424

File: p:\VANVA01\PWINT01.Parsons.com:Indiana State/Documents/I70 Pavement Replacement/I10 - Design/01 - Parsons/30 - Design/CAD/Bridge/Sheets/Des 2002455 2002456_I70 EB-WB over E FK-E FK Whitewater River/I70_S3_BR_E FK E FK Whitewater_Layout.01.dgn
Model:Default



GENERAL NOTES
 Reinforcing steel covering shall be 3" in Top and 1" min. In bottom of floor slabs, 3" in footing except bottom steel which shall be 4", and 2" in all other parts, unless noted.
 Plans for the existing structure are on file at the Indiana Department of Transportation as bridge files: I-70-151-04534, available upon request.

DESIGN DATA
 Superstructure & Substructure designed for HL-93 Loading in accordance with AASHTO LRFD Bridge Design Specifications Ninth Edition, 2020.

DEAD LOAD
 Actual weight plus 35 psf. of future wearing surface and 15 psf for SIP Metal deck forms.

FLOOR SLAB
 Designed with a 7 1/2" structural depth, and a 1 1/2" min. integral wearing surface.

DESIGN STRESSES
CONCRETE
 Class "A" Concrete $f_c = 3,500$ p.s.i.
 Class "B" Concrete $f_c = 3,000$ p.s.i.
 Class "C" Concrete $f_c = 4,000$ p.s.i.

REINFORCING STEEL
 Grade 60 $f_y = 60,000$ p.s.i.

CONSTRUCTION LOADING
 The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of 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.

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

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

FINISHING MACHINE LOAD
 4500 lb distributed over 10-ft along the coping.

WIND LOAD
 Structure Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA
 Seismic Performance Zone Zone x
 Acceleration Coefficient (S_{D1}) 0.0xx
 Seismic Soil Profile Type Site Class x

COMPOSITE PRESTRESSED CONCRETE BULB-TEE BEAM BRIDGES
 1 SPAN: 145'-0"
 62'-6 1/2" CLEAR ROADWAYS; SKEW: 35°00'00" RT.
 I-70 EBL & WBL OVER EAST FORK OF THE EAST FORK OF WHITEWATER RIVER WAYNE COUNTY

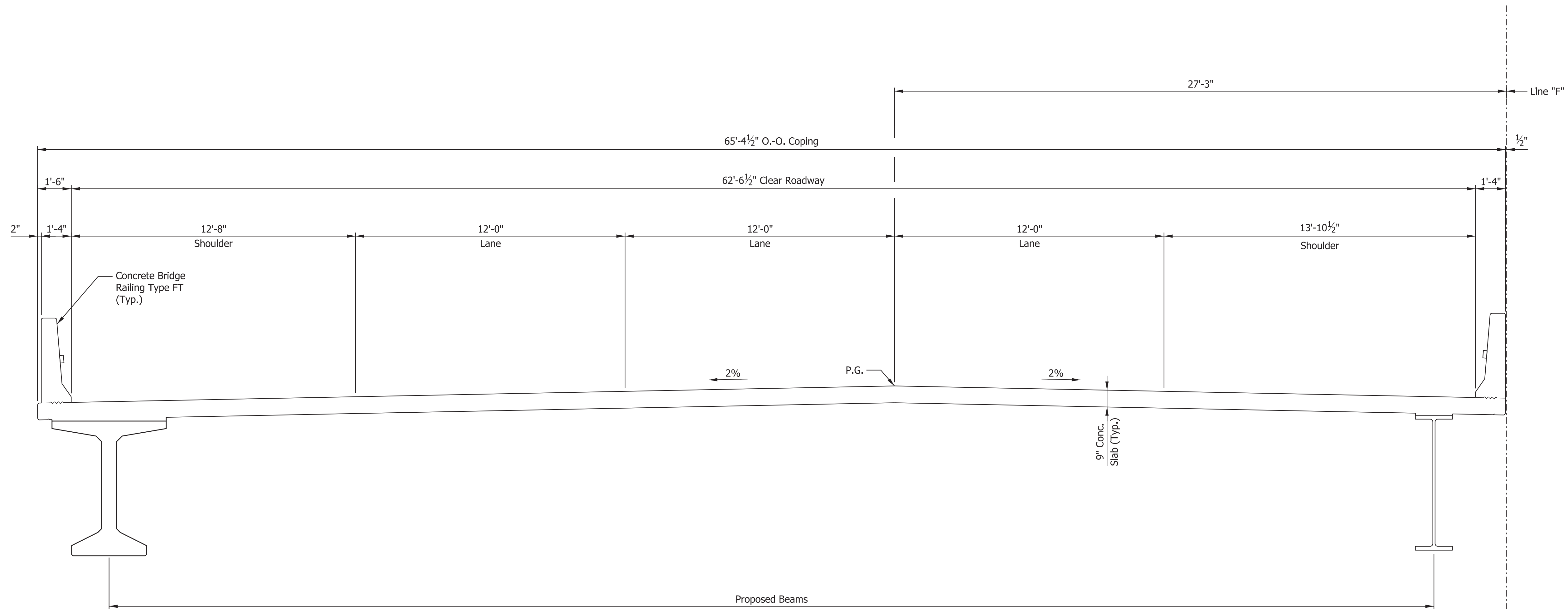
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SK	DRAWN: JEW	
CHECKED: BFK	CHECKED: BFK	

INDIANA DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1/16"=1'-0"	I70-154-10789 EBL & 10790 WBL
VERTICAL SCALE	DESIGNATION
1/16"=1'-0"	2002455 & 2002456
SURVEY BOOK	SHEETS
	6 of 8
CONTRACT	PROJECT
R-43375	2002424

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 Model:Default



TYPICAL SECTION
WBL SHOWN, EBL SIMILAR BY OPPOSITE HAND

COMPOSITE PRESTRESSED CONCRETE
BULB-TEE BEAM BRIDGES
1 SPAN: 145'-0"
62'-6 1/2" CLEAR ROADWAYS; SKEW: 35°00'00" RT.
I-70 EBL & WBL OVER EAST FORK OF
THE EAST FORK OF WHITEWATER RIVER
WAYNE COUNTY

PLOT: 3/7/2023 11:04 AM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SK	DRAWN: JEW	
CHECKED: BFK	CHECKED: BFK	

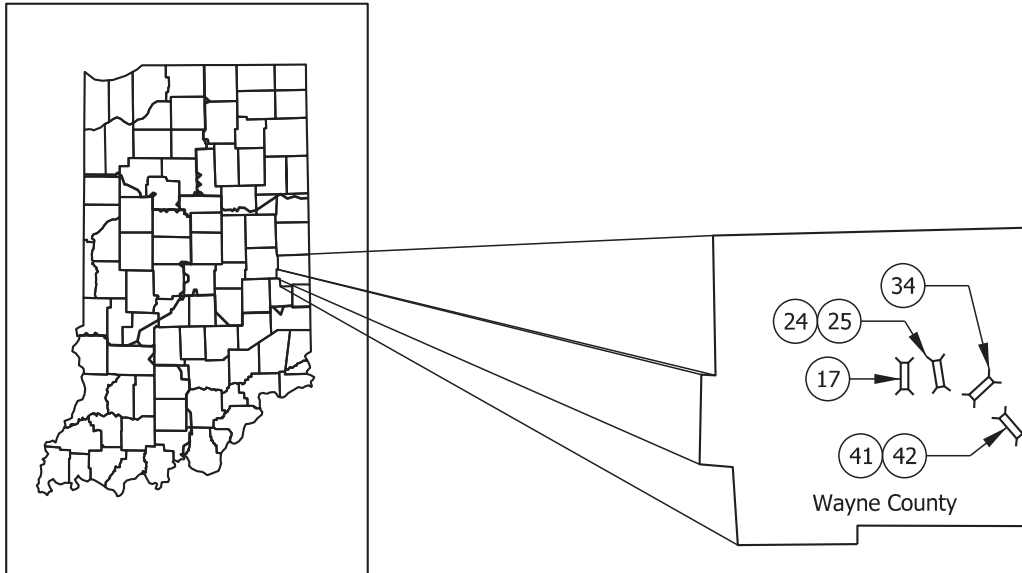
INDIANA DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN	

HORIZONTAL SCALE	BRIDGE FILE	
3/8"=1'-0"	I70-154-10789 EBL & 10790 WBL	
VERTICAL SCALE	DESIGNATION	
3/8"=1'-0"	2002455 & 2002456	
SURVEY BOOK	SHEETS	
	7	of 8
CONTRACT	PROJECT	
R-43375	2002424	

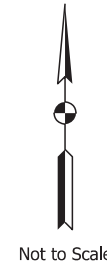
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Model: Default

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PREVENTIVE MAINTENANCE PLANS
BRIDGE PAINTING & PATCHING
 CONTRACT NO. R-43375



**PROJECT LOCATION
GREENFIELD DISTRICT**



Not to Scale

PLANS PREPARED BY: Parsons
 PHONE NUMBER: 317-616-1000

DATE: _____

CERTIFIED BY: _____

APPROVED FOR LETTING: _____
 INDIANA DEPARTMENT OF TRANSPORTATION

DATE _____

BRIDGE INDEX TABLE			
Str. No.	Des. No.	Bridge File Number	County
(24)(25)	2002445 & 2002446	035-89-04526 JCNB & CSBL	WAYNE
(41)(42)	2002484 & 2002485	I70-156-04536 FEBL & FWBL	WAYNE
(34)	2002573	I70-153-04675 C	WAYNE
(17)	2002574	I70-145-04522 D	WAYNE

Indiana Department of Transportation
 Standard Specifications dated 2022
 to be used with these plans.

\$FILE\$

Contract Bridge No. ⁽¹⁾	Des. No.	Bridge File Number	Route and Crossing	Ref. Post	County	Location
24&25	2002445 & 2002446	035-89-04526 JDNB & DSBL	US 35 NB & SB Over I-70	7+25	Wayne	1.26 Miles South of SR 38
34	2002573	I70-153-04675 C	CR 38 (Smyrna Road) Over I-70	153+04	Wayne	0.37 Miles East of SR 227
17	2002574	I70-145-04522 D	CR 40 (Centerville Road) Over I-70	145+29	Wayne	3.76 Miles West of US 35

Contract Bridge No. ⁽¹⁾	Year Built	Year Last Painted	Existing Primer Type (hazardous or non-hazardous)	No. Spans	Span Lengths	Surf. Area Structural Steel (Ft ²) ⁽²⁾	New Paint Color Name ⁽³⁾	Additional Information			
								Clean and Paint Casting, (Each)	Roadway Drain Casting Extension, (Each)	Clean and Paint Bearing Assy., (Each)	Clean and Paint Steel Piling, (Each) ⁽²⁾
24&25	1959	2001	Unknown	4	(NB) 36'-3 ¹ / ₈ " , 76'-5 ³ / ₈ " , 77'-2 ³ / ₄ " , 48'-4 ³ / ₈ " (SB) 45'-0" , 90'-3" , 90'-3" , 45'-0"	-	TBD	-	-	-	-
34	1960	1995	Unknown	4	(NB & SB) 38'-0" , 75'-0" , 75'-0" , 38'-0"	-	TBD	-	-	-	-
17	1959	2005	Unknown	4	(NB & SB) 35'-7 ¹ / ₂ " , 65'-6" , 65'-6" , 35'-7 ¹ / ₂ "	-	TBD	-	-	-	-

⁽¹⁾ See RSP 101-B-042, Bridge Number for Pay Items

⁽²⁾ Quantities to be determined by DBC.

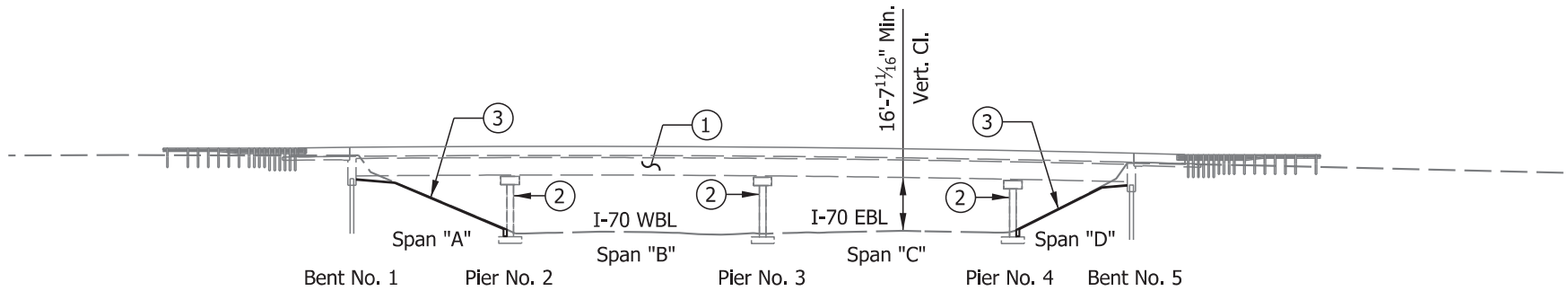
⁽³⁾ See *Standard Specifications* section 909.02 for allowable color names for full and partial bridge painting. Color number should only be included on the table for color names not listed in 909.02.

LOCATION INFORMATION SHEET

Recommended for Approval:

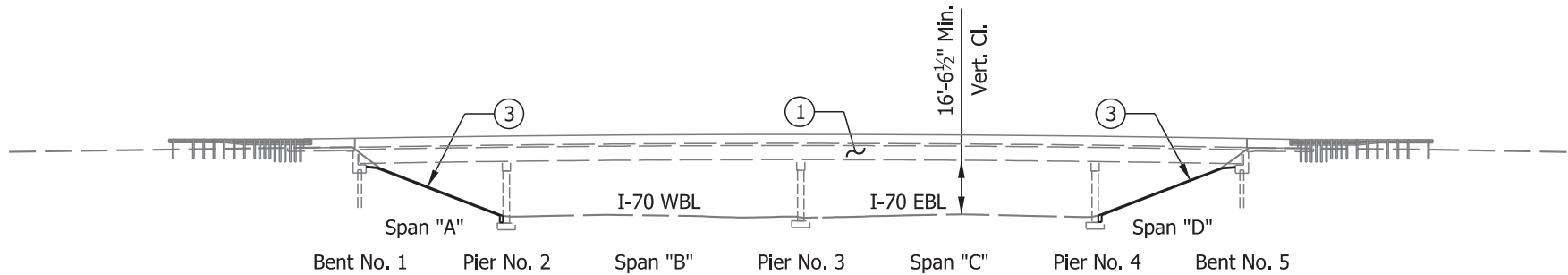
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NORTHBOUND ELEVATION

035-89-04526 JCNB



SOUTHBOUND ELEVATION

035-89-04526 CSBL

Legend:

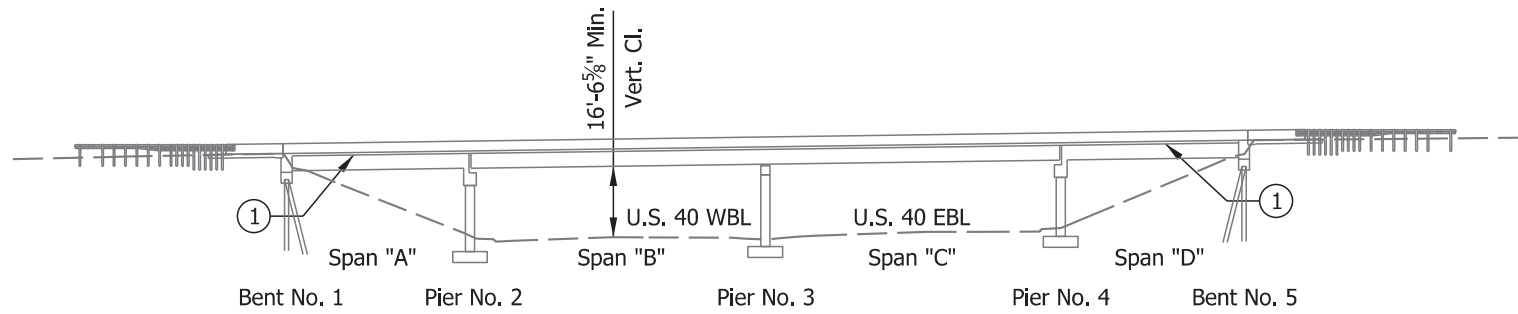
- ① Clean and Paint Steel Beams
- ② Perform Approx. 90 sft. of patching at Northbound Piers.
- ③ Remove and replace existing slopewalls.

CONSTRUCTION DETAILS - U.S. 35 OVER I-70

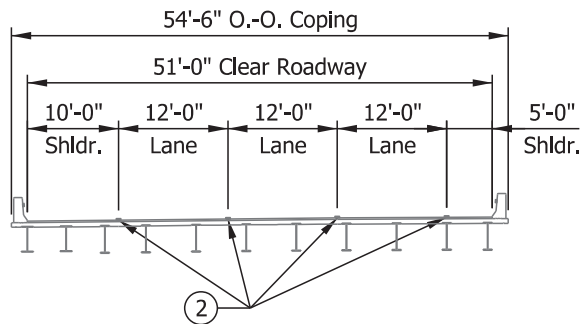
Recommended for Approval:

Date:

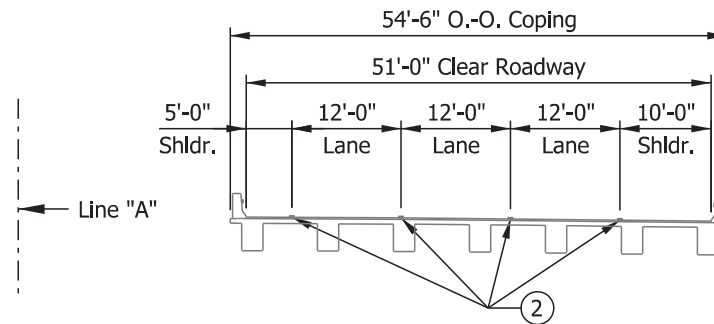
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ELEVATION
 EBL Shown - WBL Similar
 170-156-04536 FEBL & FWBL



TYPICAL SECTION -SPANS "B" & "C"
 WBL Shown - EBL Same By Opposite Hand



TYPICAL SECTION -SPANS "A" & "D"
 EBL Shown - WBL Same By Opposite Hand

Legend:

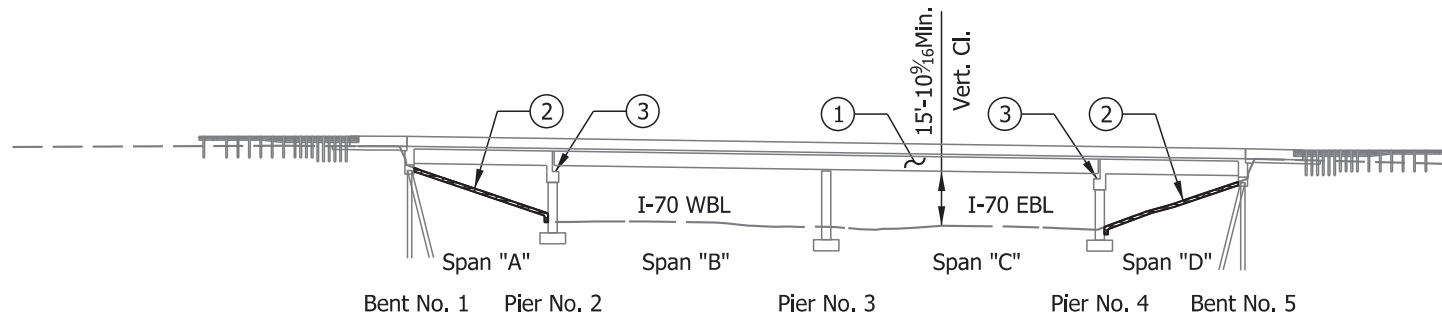
- ① Patch underside of the deck and concrete beams in spans "A" and "D" as directed by the engineer (Approx. 476 SF Total). Place Galvanic anodes on any exposed reinforcing bars (Approx. 200 Ea. Total).
- ② Stripe 3 Lanes of traffic across the bridge, slightly adjusting the existing shoulders. (4'-0" Min. Proposed Shoulder)

CONSTRUCTION DETAILS - I-70 over U.S. 40

Recommended for Approval:

Date:

\$FILE\$



ELEVATION
170-153-04675 C

Legend:

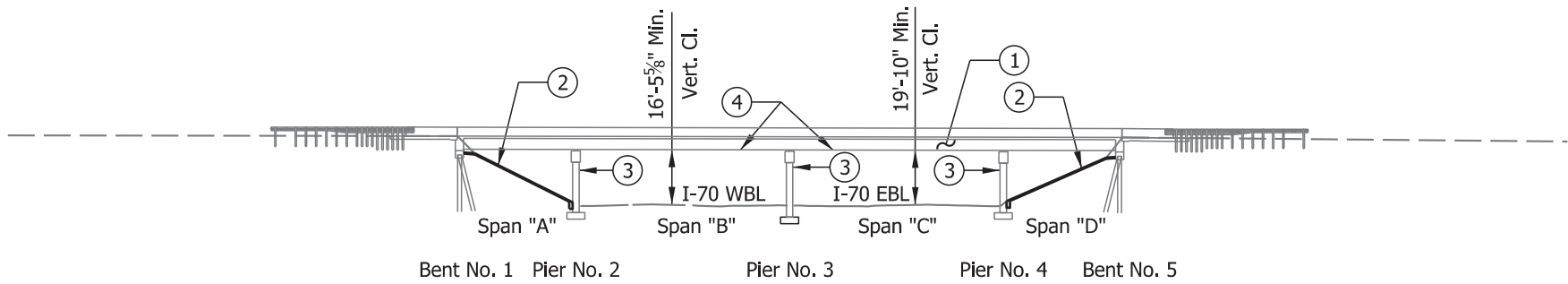
- ① Clean and paint steel beams.
- ② Replace riprap slopes with revetment riprap.
- ③ Jack and support beams. Replace rocker bearings at piers 2 and 4 with H-Pile pedestals and elastomeric bearing retrofits.

CONSTRUCTION DETAILS - C.R. 38 over I-70

Recommended for Approval:

Date:

\$FILE\$



ELEVATION
I70-145-04522 D

Legend:

- ① Clean and paint steel beams.
- ② Remove and Replace existing concrete slope walls.
- ③ Perform patching at piers (approx. 40 Sft.)
- ④ Attach bridge deck drainage system to four drains, to carry drainage down Pier No. 3.

CONSTRUCTION DETAILS - C.R. 40 OVER I-70

Recommended for Approval:

Date:

\$FILE\$