PROJECT	DESIGNATION NO.
1902834	1902834
CONTRACT	BRIDGE FILE
B-42844	ALLEN 358

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
ALLEN COUNTY BRIDGE 358	CONTINUOUS COMPOSITE TYPE III PRESTRESSED CONCRETE I-BEAM	5 SPAN @ 65'-0", 65'-0", 65'-0", 70'-0" & 65'-0" SKEW: NONE	ST. MARY'S RIVER	47+48.10 "B"

INDIANA DEPARTMENT OF TRANSPORTATION

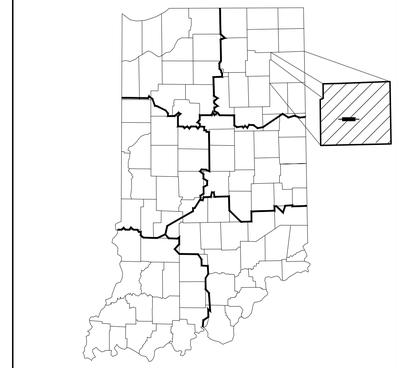
TRAFFIC DATA	BLUFFTON ROAD	BROADWAY	VESEY AVENUE	OAKDALE DRIVE
A.A.D.T. (2025)	28,600 V.P.D.	20,500 V.P.D.	250 V.P.D.	840 V.P.D.
A.A.D.T. (2045)	34,900 V.P.D.	25,015 V.P.D.	305 V.P.D.	1,025 V.P.D.
D.H.V. (2045)	3,490 V.P.H.	2,502 V.P.H.	31 V.P.H.	103 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %	50 %	50 %	100 %
TRUCKS	698 V.P.D. A.A.D.T.	500 V.P.D. A.A.D.T.	3 V.P.D. A.A.D.T.	10 V.P.D. A.A.D.T.
	70 V.P.H. D.H.V.	50 V.P.H. D.H.V.	1 V.P.H. D.H.V.	1 V.P.H. D.H.V.
DESIGN DATA	BLUFFTON ROAD	BROADWAY	VESEY AVENUE	OAKDALE DRIVE
DESIGN SPEED	35 MPH	30 MPH	30 MPH	30 MPH
PROJECT DESIGN CRITERIA	3R (Non-Freeway)	3R (Non-Freeway)	3R (Non-Freeway)	3R (Non-Freeway)
FUNCTIONAL CLASSIFICATION	Minor Arterial	Minor Arterial	Local Street	Local Street
RURAL/URBAN	Urban (Built-Up)	Urban (Built-Up)	Urban (Built-Up)	Urban (Built-Up)
TERRAIN	Level	Level	Level	Level
ACCESS CONTROL	None	None	None	None

BRIDGE REHABILITATION PLANS

FOR SPANS OVER 20 FEET
ON
BLUFFTON ROAD OVER
ST MARY'S RIVER

PROJECT NO. 1902834 P.E.
1902834 R/W
1902834 CONST.

SUPER STRUCTURE REPLACEMENT OF STRUCTURE 02-00358 (ALLEN COUNTY BR. #358), CARRYING BLUFFTON ROAD OVER ST MARY'S RIVER, LOCATED IN SECTION 15, T30N, R12E, WAYNE TOWNSHIP, ALLEN COUNTY, INDIANA.



LATITUDE: 41°03'07.51" N LONGITUDE: 85°09'24.49" W

BRIDGE LENGTH = 0.063 mi.
ROAD LENGTH = 0.096 mi.
TOTAL LENGTH = 0.159 mi.
MAX. GRADE = +2.73%

HUC: 041000040606

APPROVED BY:

DATE: _____

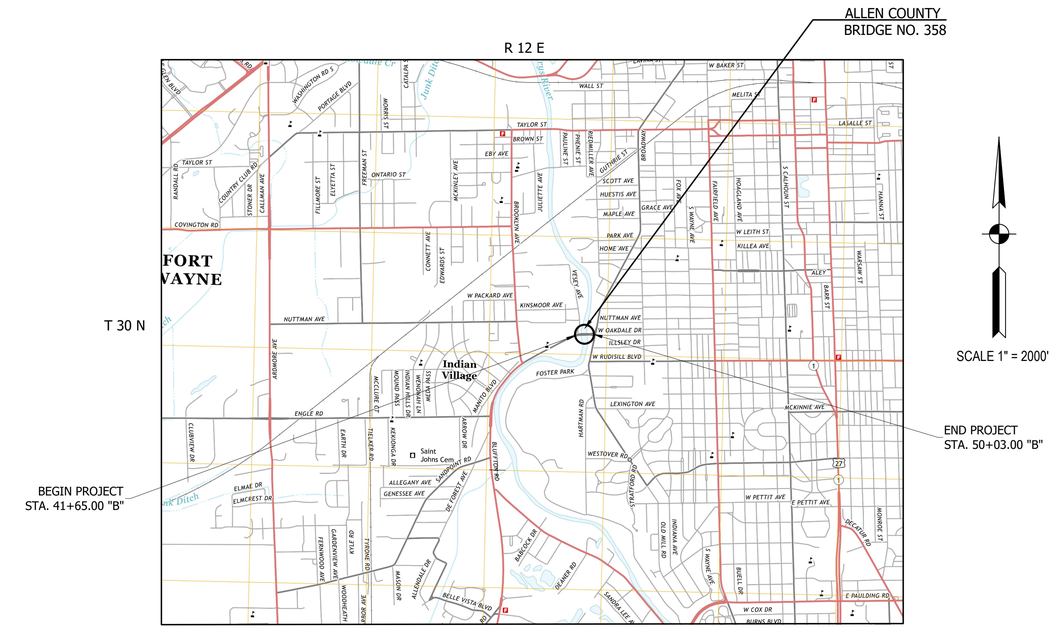
PATRICK ZAHARAKO, PE, MBA - CITY OF FORT WAYNE ENGINEER
& EMPLOYEE IN RESPONSIBLE CHARGE (ERC)

APPROVED BY
CITY OF FORT WAYNE BOARD OF PUBLIC WORKS

ATTEST DATE _____

RECOMMENDED FOR APPROVAL

DATE _____



LOCATION MAP

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

consultants
8415 East 56th Street
Indianapolis, Indiana 46216

NOT FOR CONSTRUCTION

PLANS PREPARED BY: USI Consultants, Inc. 317-544-4996 PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
ALLEN 358
DESIGNATION NO.
1902834

SHEETS		
1	of	63

CONTRACT	PROJECT NO.
B-42844	1902834

S:\2019Proj\2019-0009 Fort Wayne Br 358\Plans\Bridge Plans\2019-0009 Title Sheet.dwg, 3/17/2022 8:14:10 AM, DWG To PDF.pc3

UTILITIES

AEP - DISTRIBUTION
110 E. Wayne Street
Fort Wayne, IN 46802
Contact: Trevor Stanley
PH: (260) 408-3707
Cell: (260) 205-0063
Email: twstanley@aep.com

AEP - TRANSMISSION
8600 Smiths Mill Road
New Albany, OH 43054
Contact: Joshua Adams
PH: (614) 933-2297
Email: tl_publicprojects@aep.com

FRONTIER
8001 West Jefferson Blvd.
Fort Wayne, IN 46804
Contact: Phil Ramos
PH: (260) 461-2761
Email: philip.ramos@ftr.com

KEPS TECHNOLOGIES
1800 North Grand River Ave.
Lansing, MI 48906
Contact: Susan Steadman
PH: (517) 999-3291
Email: steadman.susan@acd.net
Contact: Phil Brown
PH: (517) 999-3213
Email: brown.phil@acd.net

COMCAST
720 Taylor Street
Fort Wayne, IN 46802
Contact: Doug Fishburn
PH: (260) 410-3504
Email: william_fishburn@cable.comcast.com

CITY OF FORT WAYNE
1 East Main Street
Fort Wayne, IN 46802-1804
Contact: Kristen Buell
Email: kristen.buell@cityoffortwayne.org

ZAYO
722 South High School Road
Indianapolis, IN 46214
Contact: Mark Zoltek
Email: mark.zoltek@zayo.com

NIPSCO - GAS
1501 Hale Avenue
Fort Wayne, IN 46802
Contact: Venessa Rivera
Email: vrivera@nisource.com

1-800-382-5544
CALL BEFORE YOU DIG

CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

INDEX

REVISIONS

SHEET NO.	DESCRIPTION

NOT FOR CONSTRUCTION

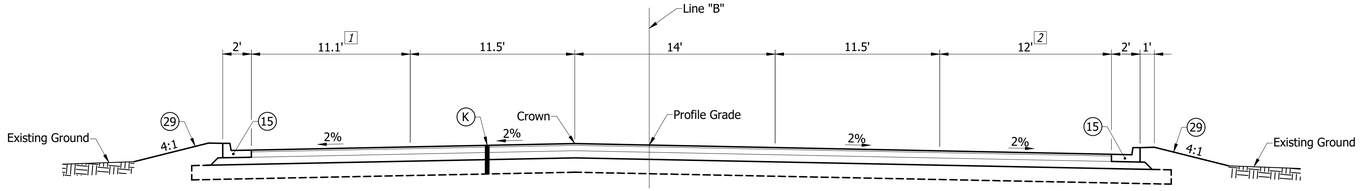
DESIGNED: BMA | DRAWN: BDC
CHECKED: KAM | CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

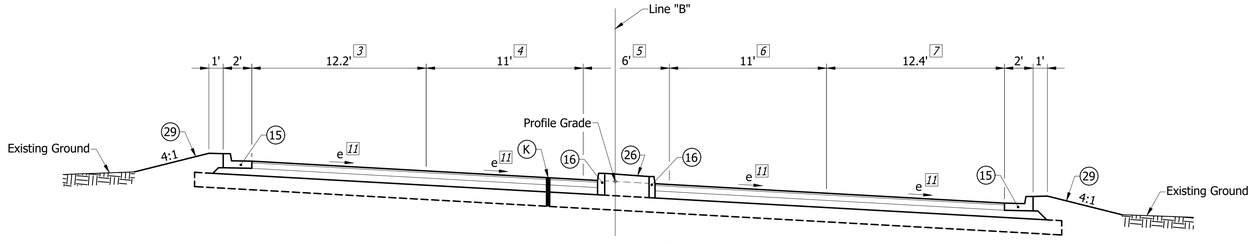
INDEX

HORIZONTAL SCALE	BRIDGE FILE
NONE	ALLEN 358
VERTICAL SCALE	DESIGNATION
NONE	1902834

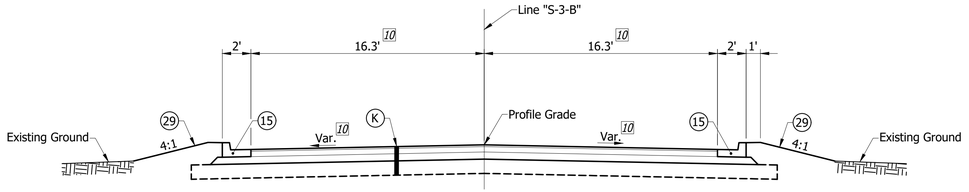
SURVEY BOOK	SHEETS
----	2 of 63
CONTRACT	PROJECT
B-42844	1902834



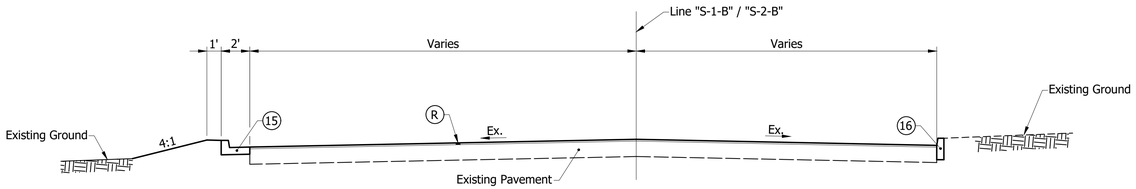
TANGENT SECTION
Sta. 41+65.00 to Sta. 42+25.00 "B"



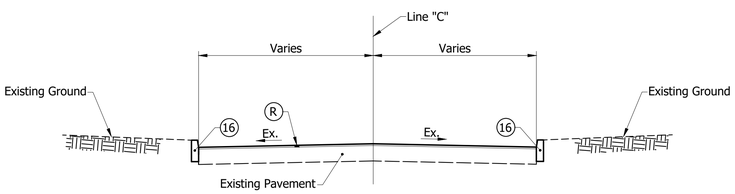
SUPERELEVATED SECTION
Sta. 42+25.00 to Sta. 45+54.73 "B"



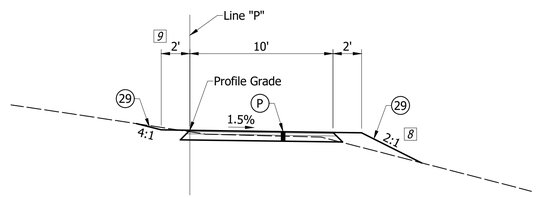
TANGENT SECTION
Sta. 10+30.11 to Sta. 11+56.23 "S-3-B"



TANGENT SECTION
Sta. 8+71.04 to Sta. 10+00.00 "S-1-B"
Sta. 10+00.00 to Sta. 10+87.86 "S-2-B"



TANGENT SECTION
Sta. 10+00.00 to Sta. 10+56.00 "C"



MULTI-USE PATH SECTION
Sta. 0+00 to Sta. 4+07 "P"

LEGEND

- (K) Full Depth Pavement
  165#/Syd QC/QA HMA, 3, 64, Surface, 9.5 mm on
  495#/Syd QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
  660#/Syd QC/QA HMA, 3, 64, Base, 25.0 mm on
  Subgrade Treatment Type "IV" on
  Geotextile for Subgrade, Type 2B
- (R) HMA Resurfacing
  165#/Syd QC/QA-HMA, 3, 64, Surface 9.5 mm on
  1 1/2" Surface Milling of Existing HMA Pavement
- (P) HMA Multi-Use Path
  110#/Syd Surface, 9.5 mm Type A on
  220#/Syd Intermediate, 19.0 mm Type A on
  6" Compacted Aggregate Base No. 53
- (F) Concrete Sidewalk
- (15) Concrete Curb and Gutter, Type II-B
- (16) Concrete Curb Type III
- (26) Sodding, Nursery
- (29) Seeding, U

NOTES:

1. Width varies from xx.x' @ Sta. xx to xx.x' @ Sta.
2. Width varies from xx.x' @ Sta. xx to xx.x' @ Sta.
3. Width varies from xx.x' @ Sta. xx to xx.x' @ Sta.
4. Width varies from xx.x' @ Sta. xx to xx.x' @ Sta.
5. Width varies from xx.x' @ Sta. xx to xx.x' @ Sta.
6. Width varies from xx.x' @ Sta. xx to xx.x' @ Sta.
7. Slope varies from x @ Sta. xx to x @ Sta.
8. Slope varies from x @ Sta. xx to x @ Sta.
9. Width varies from xx.x' @ Sta. xx to xx.x' @ Sta.
10. Width and slope varies, See Intersection Details, Sheet No.
11. See Superelevation Diagram for Slope and Transitions, Sheet No.

NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
LINE "B" / "S-1,2,3,-B" / "C" / "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	3 of 63
CONTRACT	PROJECT
B-42844	1902834

NORTH

Basis of Bearing:
INGCS Zone: ALLEN
NAD 83 (2011)
US Survey Feet

50 0 50

(IN FEET)
1 inch = 50 ft.

CITY OF FORT WAYNE
BOARD OF PUBLIC WORKS
MANAGEMENT

13+60

P.T. 13+59.98 Line "S-3-B"
(No Monument Set)
N: 173860.4700
E: 757514.7563

Curve Data
P.I. 12+80.92 Line "S-3-B"
Δ = 21° 15' 58.534" Lt.
R = 431.01'
T = 80.92'
L = 159.98'
E = 7.53'

30.00' 30.00'
60.00'

P.I. 12+80.92 Line "S-3-B"
Δ = 21° 15' 58.534" Lt.
(No Monument Set)
N: 173779.5508
E: 757514.7563

O.P.O.C. 45+55.33, 185.50' Lt., Line "B"
#5 Rebar W/"USI Control Point" Cap Set Flush
Pnt. #102

VESEY AVE.

P.C. 12+00.00 Line "S-3-B"
(No Monument Set)
N: 173704.1417
E: 757485.4067

11+50

N21° 15' 58.534"E
Line "S-3-B"

N0° 20' 14.981"W
Line "T-1-B"

45+00

HALL DRIVE-INS INC.

P.I. 44+83.05 Line "B"
Δ = 27° 26' 52.027" Rt.
(No Monument Set)
N: 173539.1531
E: 757413.1739

O.P.O.C. 45+71.81, 49.36' Lt., Line "B"
#5 Rebar W/"USI Control Point" Cap Set Flush
Pnt. #101

10+00

BLUFFTON RD.

P.C. 43+11.41 Line "B"
(No Monument Set)
N: 173459.1414
E: 757261.3236

Plat of Quimby's Southwest Village
Addition to the City of Fort Wayne
Plat Book 18, Page 2

Lot 25

KIND REAL ESTATE LLC

P.T. 46+48.10 Line "B"
(No Monument Set)
N: 173540.1641
E: 757584.8113

Eq.: P.O.C. 45+77.83 Line "B"
= P.O.T. 9+96.49 Line "T-1-B"
N: 173536.2413
E: 757514.6829

Eq.: P.O.C. 44+74.26 Line "B"
= P.O.T. 10+00.00 Line "S-3-B"
N: 173517.7607
E: 757412.8662

O.P.O.T. 46+89.74, 55.79' Rt., Line "B"
#5 Rebar W/"USI Control Point" Cap Set Flush
Pnt. #104

Eq.: P.O.T. 50+15.22 Line "B"
= P.O.T. 10+00.00 Line "S-1-B"
N: 173542.3266
E: 757951.9256

O.P.O.T. 9+16.38, 67.30' Lt., Line "S-1-B"
#5 Rebar W/"USI Control Point" Cap Set Flush
Pnt. #106

40+00

N62° 12' 52.993"E
Line "B"

38.00' 14.00' 38.00'

8+50

O.P.O.T. 42+94.81, 49.43' Rt., Line "B"
#5 Rebar W/"USI Control Point" Cap Set Flush
Pnt. #100

Curve Data
P.I. 44+83.05 Line "B"
Δ = 27° 26' 52.027" Rt.
R = 702.82'
T = 171.64'
L = 336.69'
E = 20.66'

CITY OF FORT WAYNE
BOARD OF PUBLIC WORKS
MANAGEMENT

ST. MARY'S
RIVER

Section 15, T30N, R12E
Wayne Township
Allen County

O.P.O.T. 46+73.03, 107.60' Lt., Line "B"
#5 Rebar W/"USI Control Point" Cap Set Flush
Pnt. #103

O.P.O.T. 49+45.04, 46.68' Lt., Line "B"
Mag Nail Set Flush
Pnt. #105

OLD BLUFFTON RD.
(STATUS AS R/W UNKNOWN)

CITY OF
FORT WAYNE
BOARD OF
PUBLIC WORKS
MANAGEMENT

BLUFFTON RD.

10+00

N89° 39' 45.019"E
Line "B"

33.00' 33.00'
66.00'

10+00

George Young's Addition
to the City of Fort Wayne
Plat Book 3, Page 23

Lot 3

12+50

GOUTY SERVICE
CENTER, INC. Lot 4

APPOLLO HOLDINGS
COMPANY LLC

OTHO AND
BROUGH, LLC

60.00'

30.00' 30.00'

N0° 28' 45.019"E
Line "S-2-B"

BROADWAY

00+05

Lot 25
Lot 26
Lot 27
Lot 28
Lot 29
Lot 30
Lot 31
Lot 32

Plat of A.J. and C.L. Vessey's Addition
to the City of Fort Wayne
Plat Record 3, Page 46

BROOKE D.
GREGSON, TRUSTEE

O.P.O.T. 10+92.36, 31.85' Rt., Line "S-2-B"
#5 Rebar W/"USI Control Point" Cap Set Flush
Pnt. #107

Eq.: P.O.T. 50+26.53 Line "B"
= P.O.T. 10+00.00 Line "S-2-B"
N: 173542.3932
E: 757963.2354

10+00

N89° 43' 05.019"E
Line "C"

W OAKDALE DR.

60.00'

10+00

11+50

Eq.: P.O.T. 9+74.78 Line "S-1-B"
= P.O.T 10+00.00 Line "C"
N: 173517.6950
E: 757946.5094

N12° 24' 05.019"E
Line "S-1-B"

BROADWAY

MATTHEWS,
DAVID N.

Wilson's Addition to the City of Fort Wayne
Recorded 6/10/1907

Lot 1 Lot 2

25.00' 70.00' 45.00'

7+50

O'DOWD,
KEIRAN LYNNA

Illsley Place Addition
Plat Record 10, Page 58

Right of Way Note

The right of way, parcel lines and ownership information shown on this plat are preliminary. This information is shown only to help orient the user of this plat as it relates to the centerlines. The source of this information is from the last deed of record obtained from the County Recorders Office. The consultant responsible for the Right of Way Engineering will complete the final determination of this information.

USI #2019-0009

SURVEY STARTED		
01/29/2021		
SURVEY COMPLETED		
03/29/2021		
ROUTE PLAT SHEETS		
1	OF	2

2021042002
RECORDED: 06/24/2021 02:26:52 PM
ANITA MATHER
ALLEN COUNTY RECORDER
FORT WAYNE, IN

SURVEYOR STATEMENT

This survey, to the best of my knowledge and belief, is executed according to the provisions of Title 865 IAC 1-12-20 through 1-12-26 regarding Route Surveys, except that any data shown regarding the location or description of the existing parcels is not a part of this survey.

MARK A. SCHEPERS REGISTERED LS No. LS 29500001 STATE OF INDIANA LAND SURVEYOR

AFFIRMATION STATEMENT

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law. By: Mark A. Schepers

RECOMMENDED FOR APPROVAL AND PREPARED BY:

SIGNATURE 06/18/2021 DATE
MARK A. SCHEPERS, PS

consultants
8415 East 56th St.
Indianapolis, IN 46216
PH. 317.544.4996
FAX 317.544.4997

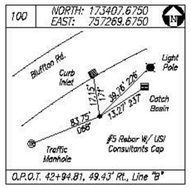
BLUFFTON ROAD OVER SAINT MARY'S RIVER
BRIDGE REPLACEMENT

LOCATION CONTROL ROUTE SURVEY

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	ALLEN 358
COUNTY	DESIGNATION
ALLEN	1902834
SURVEY BOOK	PLAN SHEETS
	4 OF 63
CONTRACT	PROJECT
B-42844	1902834

S:\2019Proj\2019-0009 Fort Wayne Br 358\Plans\Bridge Plans\2019-0009 Location Control Route Survey.dwg, 3/14/2022 7:27:31 AM, PDF-36x24.pc3

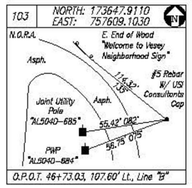
Control Point References



O.P.O.T. 42+94.81, 49.43' Rt., Line "B"

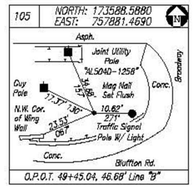
O.P.O.C. 45+72.03, 49.54' Lt., Line "9"

O.P.O.C. 45+56.16, 185.76' Lt., Line "D"



O.P.O.T. 46+73.03, 107.60' Lt., Line "B"

O.P.O.T. 46+89.74, 55.79' Rt., Line "B"



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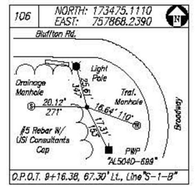
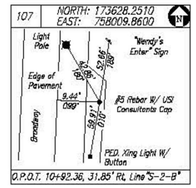


O.P.O.T. 9+16.38, 67.30' Lt., Line "S-1-B"

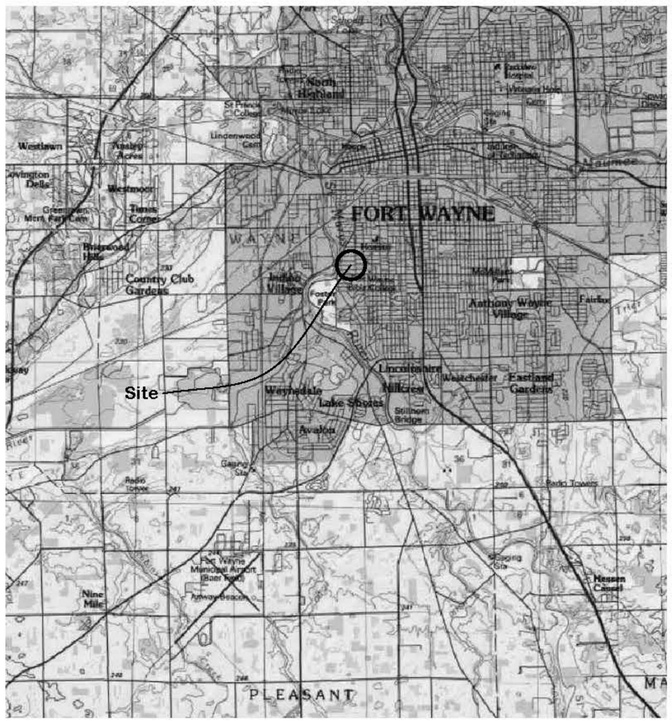


O.P.O.T. 10+92.36, 31.85' Rt, Line "S-2-B"

Point Data Table

Point #	Station	Type	InGCS Northing	InGCS Easting	Latitude	Longitude
100	O.P.O.T. 42+94.81, 49.43' Rt., Line "B"	#5 Rebar W/"USI Control Point" Cap Set Flush	173407.6750	757269.6750	41°03'08.1747"	-85°08'33.2518"
101	O.P.O.C. 45+72.03, 49.54' Lt., Line "B"	#5 Rebar W/"USI Control Point" Cap Set Flush	173584.6180	757503.0640	41°03'07.9258"	-85°08'30.2086"
102	O.P.O.C. 45+56.16, 185.76' Lt., Line "B"	#5 Rebar W/"USI Control Point" Cap Set Flush	173717.2440	757466.8550	41°03'09.2357"	-85°08'30.6833"
103	O.P.O.T. 46+73.03, 107.60' Lt., Line "B"	#5 Rebar W/"USI Control Point" Cap Set Flush	173647.9110	757609.1030	41°03'08.5524"	-85°08'28.8256"
104	O.P.O.T. 46+89.74, 55.79' Rt., Line "B"	#5 Rebar W/"USI Control Point" Cap Set Flush	173484.6200	757626.7780	41°03'06.9393"	-85°08'28.5923"
105	O.P.O.T. 49+45.04, 46.68' Line "B"	Mag Nail Set Flush	173588.5880	757881.4690	41°03'07.9696"	-85°08'25.2668"
106	O.P.O.T. 9+16.38, 67.30' Lt., Line "S-1-B"	#5 Rebar W/"USI Control Point" Cap Set Flush	173475.1110	757868.2390	41°03'06.8483"	-85°08'25.4407"
107	O.P.O.T. 10+92.36, 31.85' Rt, Line "S-2-B"	#6 Rebar W/"USI Control Point" Cap Set Flush	173628.2510	758009.8600	41°03'08.3630"	-85°08'23.5947"

Vicinity Map (N.T.S.)



Surveyor's Report

Located in Section 15, Township 30 North, Range 12 East, in Wayne Township, in Allen County.

The purpose of this survey is to collect data for the preparation of construction and right of way plans. This is not a property retracement survey. Any apparent property, subdivision, or easement lines or corners are based on the last deeds of record obtained from the County Recorder's Office. These lines in no way represent property, subdivision, or easement lines that could be determined from a retracement property survey. They are preliminary and should not be used to represent a retracement property survey. No monuments were set to represent the same. In addition, any monuments depicted on this plat indicated as being found or set should be used only for the above stated purpose.

Field measurements for this survey were in accordance with the specifications outlined in IAC 865 1-14. Measurements are shown to the nearest 0.01 feet, coordinates to the nearest 0.0001 feet, and the bearings to the 0.001 seconds, not to indicate the precision of the work, but to allow for closure and adjustment by others if desired. Units are US Survey Feet unless otherwise noted.

Horizontal Control

The horizontal control for this project is based on the Indiana Geospatial Coordinate System (InGCS), Allen Zone, North American Datum of 1983,(2011) EPOCH 2010.0, US Survey Feet. Said system was ascertained by Real Time Kinematic (RTK) GPS observations from Trimble's VRS NOW Continually Operating Reference System (www.vrsnow.us). This system will govern the project for design, right of way computations and layout. Geometric datum and map projection parameters for this InGCS Zone are as follows:

Coordinate System	: Indiana Geospatial Coordinate System
Zone	: Allen
Datum	: NAD 83 (2011) EPOCH 2010.0
Ellipsoid Name	: GRS 80
Geoid Model	: Geoid18

Zone Parameters

Latitude of Grid Origin	: 40°54'00"N
Longitude of Grid Origin	: 85°03'00"W
Central Meridian S.F.	: 1.000031
False northing offset	: 118110
False easting offset	: 787400

The Trimble VRS NOW's RTK Systems continuously operating reference stations (CORS) were used to measure dual RTK vectors on all control points and section corners. These dual vectors were compared and adjusted using Trimble Business Center software.

Reference Monumentation:

Control Points - See references and Point Data Table - Estimated relative positional accuracy of these points due to random errors in the measurement or staking of these monuments is +/- 0.10 feet.

Section Corners - No section corner ties were found at the Allen County Surveyor's Office, no relevant section corner monuments were found as part of this survey.

Alignments:

The following Alignments were taken from plan reference 1 below, and were established based on location of bridge piers:

Line "B" from Sta. 46+48.10 onwards
Line "T-1-B"
Line "S-1-B"
Line S-2-B"
Line "C"

The following Alignments were placed based on field locations of existing conditions and Aerial photography:

Line "B" from Station 40+00 to Station 46+48.10 and Line "S-3-B".

Reference Plan:

1) "Bridge Plans for Spans over 20 Feet on Bluffton Road, over St. Mary's River, Allen County, Indiana" Project Number BRM-F080 dated 6/14/1985.

Reference Plats:

1) Wilson's Addition to the City of Fort Wayne, Recorded in Allen County Recorder's Office on 06/10/1907.

2) Plat of A.J. and C.L. Vessey's Addition to the City of Fort Wayne, on file in Allen County Recorder's Office as Plat Record 3, Page 46.

3) George Young's Addition to the City of Fort Wayne, on file in Allen County Recorder's Office in Plat Book 3, Page 23.

4) Plat of Quimby's Southwest Village Addition to the City of Fort Wayne on file in Allen County Recorder's Office in Plat Record 18, Page 2.

5) Relocation of Vesey Ave. Recorded in Allen County Recorder's Office as Plat Record 18, Page 28.

Right of Way:

No Right of Way grants were discovered, and no Right of Way was shown or referenced on Plan Reference 1. Plats 1-4 did not show Right of Way, with the exception of W Oakdale Dr. (F.K.A. Dayton Ave). Oakdale Drive is shown as 50' R/W per plat, and R/W width for Vesey, Broadway and Bluffton Road are shown per the City of Fort Wayne Street Engineering GIS.

Plat Record 5 shows a relocation of Vesey Avenue from around 1948, however the Plat does not reflect the current Alignment of Vesey, and therefore was not used in the preparation of this plat. The status of "Old Bluffton Road" is not known.

The right of way, parcel lines and ownership information shown on this plat are preliminary. This information is shown only to help orient the user of this plat as it relates to the centerlines. The source of this information is from the last deed of record obtained from the County Recorders Office as well as the above-mentioned plans. The consultant responsible for the Right of Way Engineering will complete the final determination of this information.

USI #2019-0009

SURVEY STARTED		
01/29/2021		
SURVEY COMPLETED		
03/29/2021		
ROUTE PLAT SHEETS		
2	OF	2

2021042002
RECORDED: 06/24/2021 02:26:52 PM
ANITA MATHER
ALLEN COUNTY RECORDER
FORT WAYNE, IN

SURVEYOR STATEMENT

This survey, to the best of my knowledge and belief, is executed according to the provisions of Title 865 IAC 1-12-20 through 1-12-26 regarding Route Surveys, except that any data shown regarding the location or description of the existing parcels is not a part of this survey.

MARK A. SCHEPERS REGISTERED No. LS 29500001 STATE OF INDIANA LAND SURVEYOR

AFFIRMATION STATEMENT

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law. By: Mark A. Schepers

RECOMMENDED FOR APPROVAL AND PREPARED BY:

SIGNATURE _____ 06/18/2021
MARK A. SCHEPERS, PS — DATE

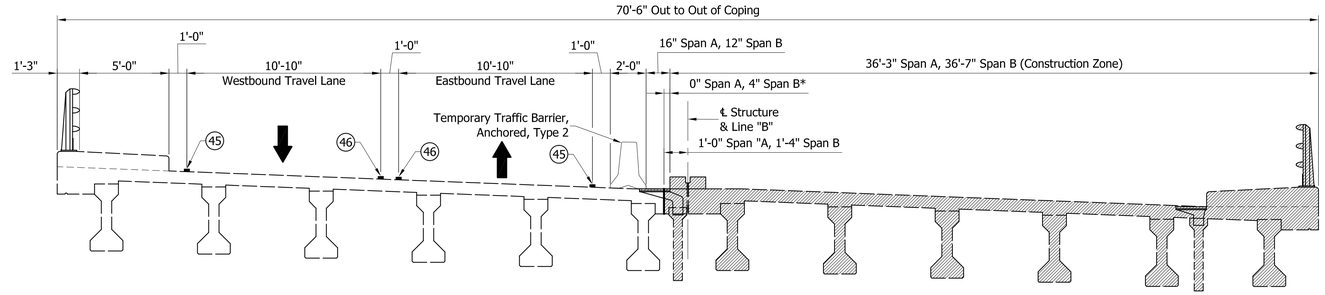
usi consultants
8415 East 56th St.
Indianapolis, IN 46216
PH. 317.544.4996
FAX 317.544.4997

BLUFFTON ROAD OVER SAINT MARY'S RIVER BRIDGE REPLACEMENT

LOCATION CONTROL ROUTE SURVEY

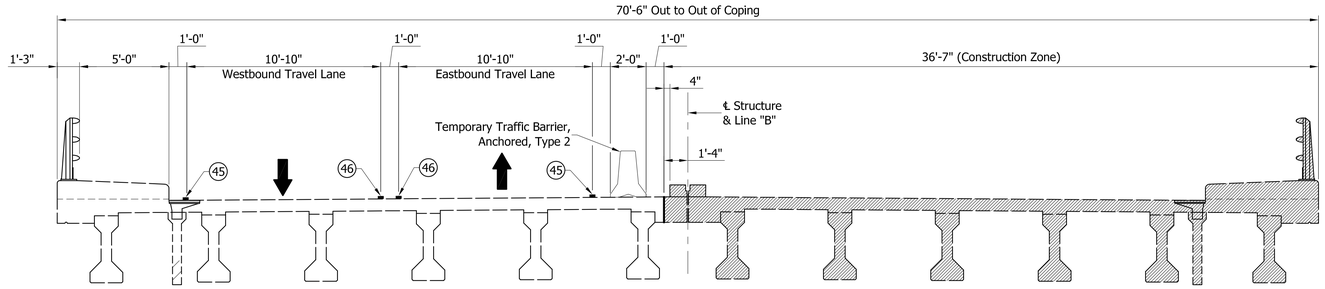
HORIZONTAL SCALE	BRIDGE FILE
1" = 60'	ALLEN 358
COUNTY	DESIGNATION
ALLEN	1902834
SURVEY BOOK	PLAN SHEETS
	5 OF 63
CONTRACT	PROJECT
B-42844	1902834

S:\2019Proj\2019-0009 Fort Wayne Br 358\Plans\Bridge Plans\2019-0009 Location Control Route Survey.dwg, 3/14/2022 7:24:52 AM, PDF-36x24.pc3



PHASE I - MAINTENANCE OF TRAFFIC
SUPERELEVATED SPANS "A" and "B"

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



PHASE I - MAINTENANCE OF TRAFFIC
CROWNED SPANS "C", "D" &"E"

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

PHASE 1 CONSTRUCTION SEQUENCE

1. Place temporary pavement markings as shown on plans for Phase I utilizing flaggers as necessary. Existing pavement markings that conflict with Maintenance of traffic scheme shall be removed. See INDOT Std. Dwg. E 801-TCFO-02 for additional flagging operation information.
2. Move and bag signal heads at the intersection of Bluffton Road and Broadway to match traffic scheme.
3. Bag or remove existing aerial signs for eastbound traffic on Bluffton Road. Bag or remove existing aerial signs at the intersection of Bluffton Road and Broadway to match new Maintenance of traffic scheme.
4. Place temporary traffic barrier as shown on plans, using westbound lanes for eastbound and westbound traffic. Commence Phase I Construction.
5. For additional Traffic Control General Notes see INDOT Std. Dwg. E 801-TCLG-01.
6. For plan layout see Sheet No. 7.
7. For temporary anchored barrier details, see INDOT Std. Dwg. E 801-TCCB-05 and E 801-TCCB-06.

*Note: Per original plans, Span A the distance from the raised median to the top flange of Beam 6 is approximately 1 inch. Do not cut beam flange during Phase I.

Note to Reviewer:
Signalization Notes and Signal Phase Diagrams will be completed in Stage 3 Plans

CONSTRUCTION ZONE DESIGN SPEED: 35 MPH

LEGEND

- (45) Temporary Pavement Marking, Removable, 4", Solid White
- (46) Temporary Pavement Marking, Removable, 4" , Solid Yellow
- (47) Temporary Transverse Pavement Marking, Removable, 24" , Solid White
- (48) Temporary Pavement Marking, Removable, 4" , Dashed White
- Lane Line Removal
- Type III-A or Type III-B Barricade (as noted on plans)
- Construction Sign (A, B, or C)
- Standard Drum
- Phase Construction
- Indicates Traffic Flow
- Temp. Concrete Barrier, Anchored, Type 2
  Temp. Concrete Barrier, Type 2 (as noted on plans)
- Temporary Energy Absorbing Terminal, CZ, TL-2
- MS Dynamic Message Sign
- Flashing Arrow Board

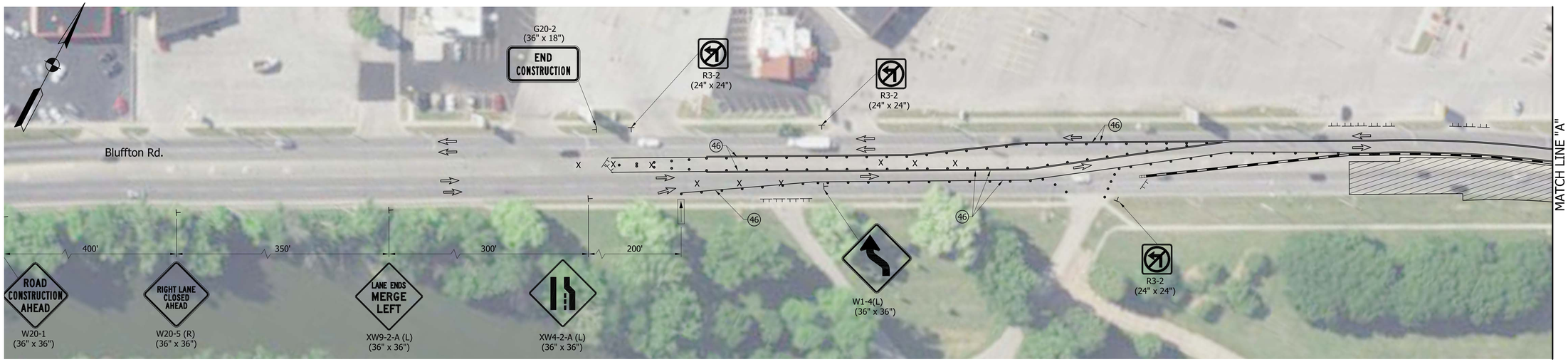
NOT FOR CONSTRUCTION

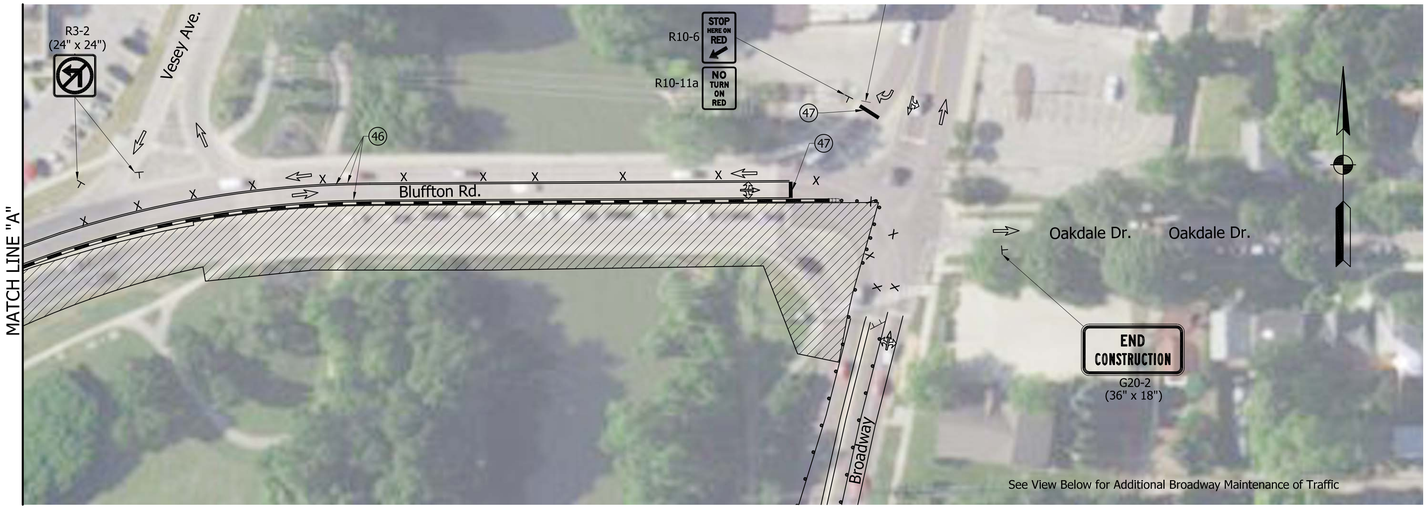
DESIGNED: BMA DRAWN: BDC
CHECKED: KAM CHECKED: BMA

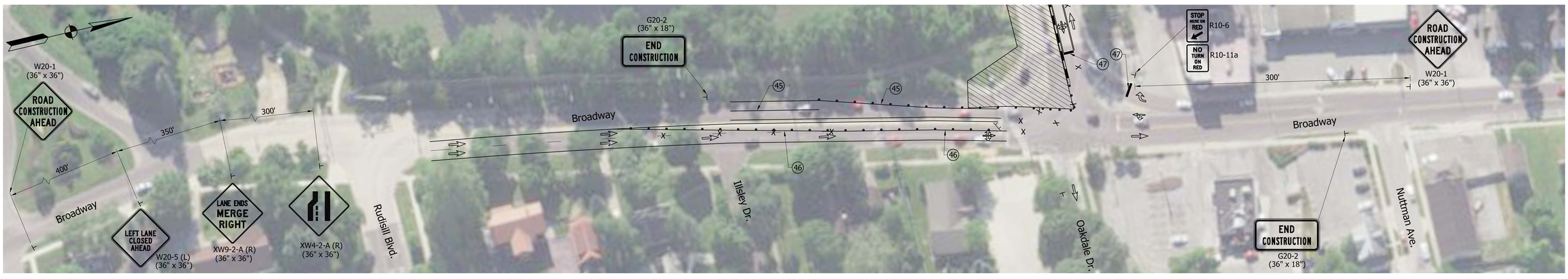
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834
SURVEY BOOK	SHEETS
----	6 of 63
CONTRACT	PROJECT
B-42844	1902834







NOTES:

1. Access to all drives to be maintained during all phases of construction.
2. Existing conflicting pavement markings to be removed within project limits.
3. For Phase I Construction sequence see Sheet No. 6.
4. Additional signing details and additional Phase I information see Sheet No. 6.
5. Use in conjunction with Pedestrian Detour Sheet No. 13, and Kayaker Detour Sheet No. 14.
6. Barrels, etc. in Broadway intersection to be positioned as shown during milling and resurfacing operations. They shall be pulled back to the CZ, TL-2 otherwise to allow for truck turning movements in intersection.

CONSTRUCTION ZONE DESIGN SPEED: 35 MPH

LEGEND

(45) Temporary Pavement Marking, Removable, 4", Solid White	Type III-A or Type III-B Barricade (as noted on plans)		Temp. Concrete Barrier, Anchored, Type 2 Temp. Concrete Barrier, Type 2 (as noted on plans)
(46) Temporary Pavement Marking, Removable, 4" , Solid Yellow	Construction Sign (A, B, or C)		Temporary Energy Absorbing Terminal, CZ, TL-2
(47) Temporary Transverse Pavement Marking, Removable, 24" , Solid White	Standard Drum	MS	Dynamic Message Sign
(48) Temporary Pavement Marking, Removable, 4" , Dashed White	Phase Construction		Flashing Arrow Board
Lane Line Removal	Indicates Traffic Flow		

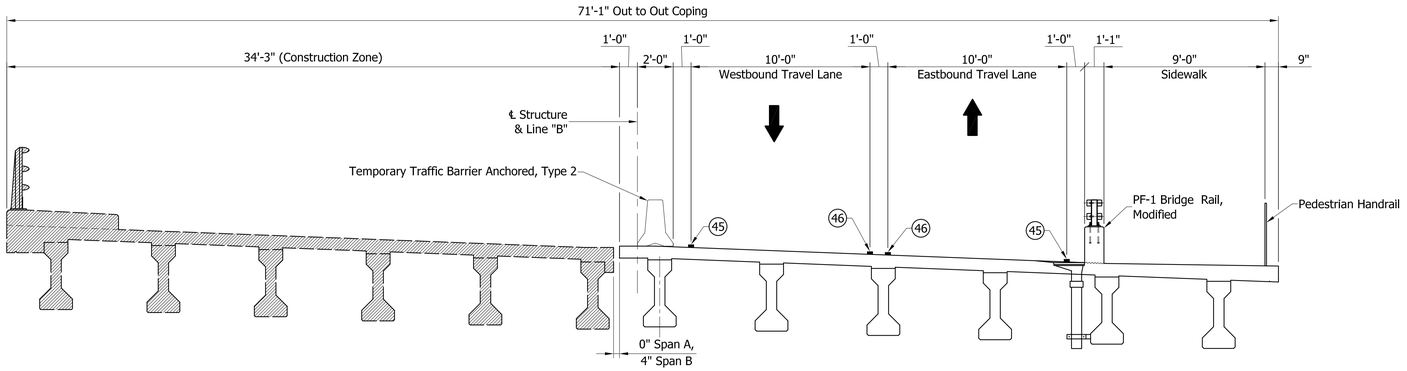
NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: BDC
CHECKED: KAM	CHECKED: BMA

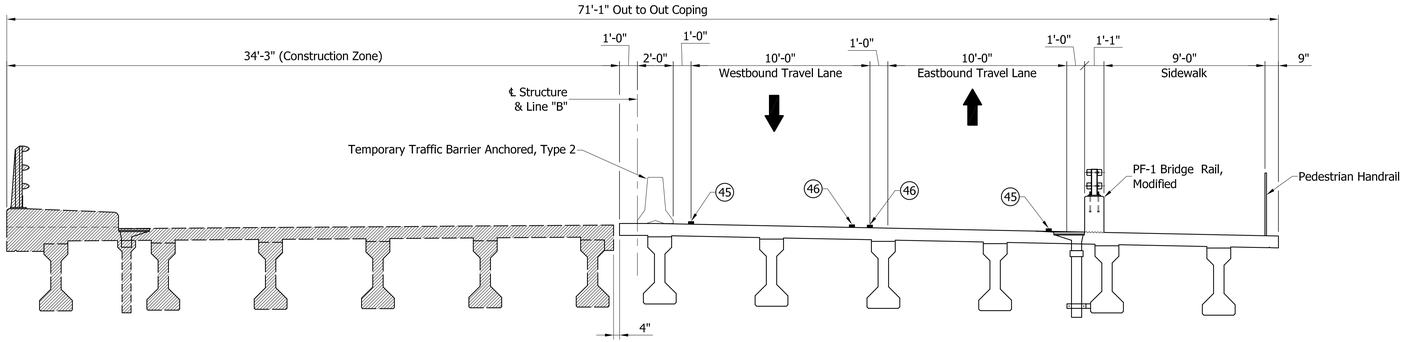
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834
SURVEY BOOK	SHEETS
----	7 of 63
CONTRACT	PROJECT
B-42844	1902834



PHASE II - MAINTENANCE OF TRAFFIC
SUPERELEVATED SPANS "A" and "B"
Scale: 1/4"=1'-0"



PHASE II - MAINTENANCE OF TRAFFIC
CROWNED SPANS "C", "D" &"E"
Scale: 1/4"=1'-0"

PHASE II CONSTRUCTION SEQUENCE

1. Place temporary pavement markings as shown on plans for Phase II utilizing flaggers as necessary. Existing pavement markings that conflict with Maintenance of traffic scheme shall be removed. See INDOT Std. Dwg. E 801-TCFO-02 for additional flagging operation information.
2. Move and bag signal heads at the intersection of Bluffton Road and Broadway to match traffic scheme.
3. Bag or remove existing aerial signs for eastbound traffic on Bluffton Road. Bag or remove existing aerial signs at the intersection of Bluffton Road and Broadway to match new Maintenance of traffic scheme.
4. Place temporary traffic barrier as shown on plans, using eastbound lanes for eastbound and westbound traffic. Commence Phase II Construction.
5. For plan layout see Sheet No. 9.
6. For additional Traffic Control General Notes see INDOT Std. Dwg. E 801-TCLG-01.
7. For temporary anchored barrier details, see INDOT Std. Dwg. E 801-TCCB-05 and E 801-TCCB-06.

Note to Reviewer:
Signalization Notes and Signal Phase Diagrams will be completed in Stage 3 Plans

CONSTRUCTION ZONE DESIGN SPEED: 35 MPH

LEGEND

(45) Temporary Pavement Marking, Removable, 4", Solid White	Type III-A or Type III-B Barricade (as noted on plans)		Temp. Concrete Barrier, Anchored, Type 2 Temp. Concrete Barrier, Type 2 (as noted on plans)
(46) Temporary Pavement Marking, Removable, 4" , Solid Yellow	Construction Sign (A, B, or C)		Temporary Energy Absorbing Terminal, CZ, TL-2
(47) Temporary Transverse Pavement Marking, Removable, 24" , Solid White	Standard Drum	MS	Dynamic Message Sign
(48) Temporary Pavement Marking, Removable, 4" , Dashed White	Phase Construction		Flashing Arrow Board
Lane Line Removal	Indicates Traffic Flow		

NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: BDC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

SURVEY BOOK	SHEETS
----	8 of 63
CONTRACT	PROJECT
B-42844	1902834

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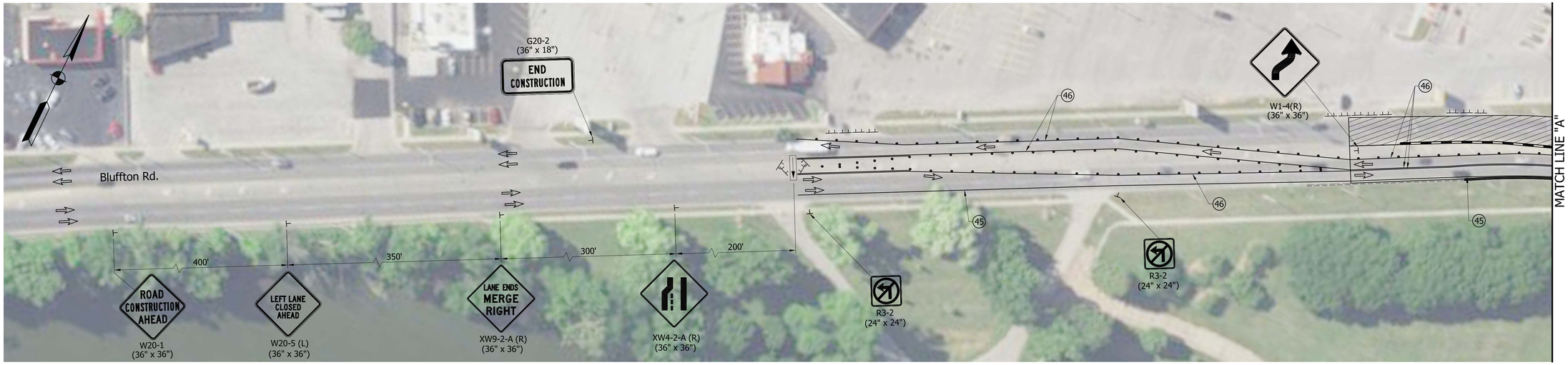

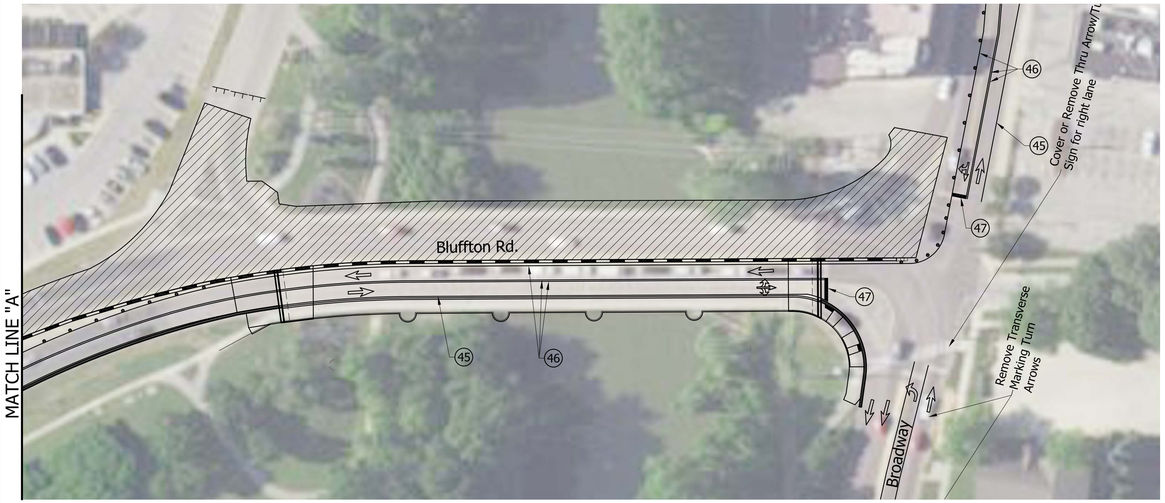

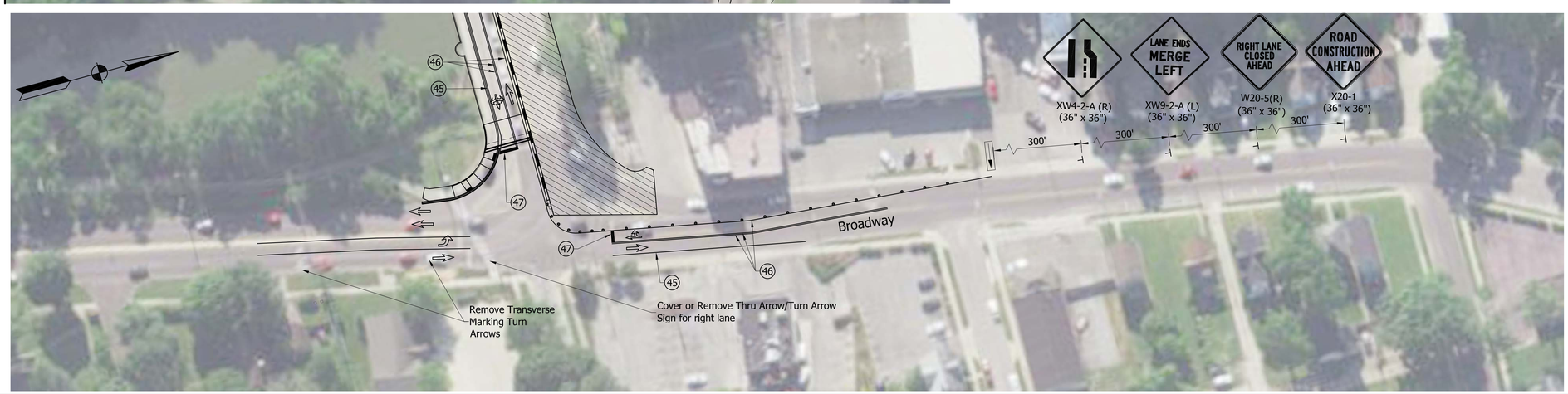

NOTES:

1. Access to all drives to be maintained during all phases of construction.
2. Existing conflicting pavement markings to be removed within project limits.
3. For Phase II Construction sequence see Sheet No. x.
4. For additional Traffic Control General Notes see INDOT Std. Dwg. E 801-TCLG-01.
5. Additional signing details and additional Phase II information see Sheet No. x.
6. Use in conjunction with Pedestrian Detour Sheet No. x., Kayaker Detour Sheet No. x, and Bluffton Road and Vessey Ave Detour and Truck Route see Sheet No. x.

CONSTRUCTION ZONE DESIGN SPEED: 35 MPH

LEGEND

(45) Temporary Pavement Marking, Removable, 4", Solid White	Type III-A or Type III-B Barricade (as noted on plans)		Temp. Concrete Barrier, Anchored, Type 2 Temp. Concrete Barrier, Type 2 (as noted on plans)
(46) Temporary Pavement Marking, Removable, 4" , Solid Yellow	Construction Sign (A, B, or C)		Temporary Energy Absorbing Terminal, CZ, TL-2
(47) Temporary Transverse Pavement Marking, Removable, 24" , Solid White	Standard Drum	MS	Dynamic Message Sign
(48) Temporary Pavement Marking, Removable, 4" , Dashed White	Phase Construction		Flashing Arrow Board
Lane Line Removal	Indicates Traffic Flow		

NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: BDC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS
----	9 of 63
CONTRACT	PROJECT
B-42844	1902834

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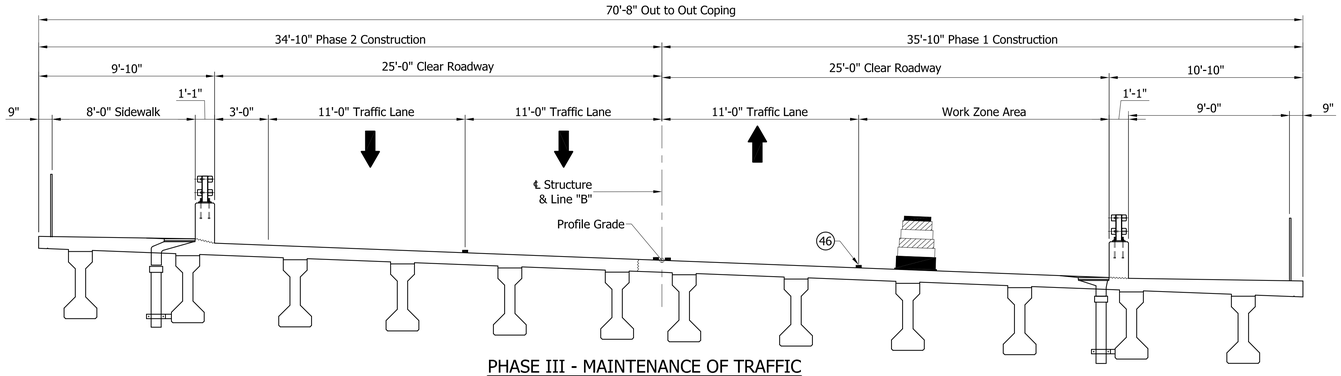


PHASE III - MAINTENANCE OF TRAFFIC
SUPERELEVATED SPANS "A" and "B"
Scale: 1/4"=1'-0"

PHASE 3 CONSTRUCTION SEQUENCE

1. Place temporary pavement markings as shown on plans for Phase III utilizing flaggers as necessary. Existing pavement markings that conflict with Maintenance of traffic scheme shall be removed. See INDOT Std. Dwg. E 801-TCFO-02 for additional flagging operation information.
2. Move and bag signal heads at the intersection of Bluffton Road and Broadway to match traffic scheme.
3. Bag or remove existing aerial signs for northbound traffic on Broadway to match new Maintenance of traffic scheme.
4. For additional Traffic Control General Notes see INDOT Std. Dwg. E 801-TCLG-01.
6. For plan layout see Sheet No. x.

Note to Reviewer:
Signalization Notes and Signal Phase Diagrams will be completed in Stage 3 Plans

CONSTRUCTION ZONE DESIGN SPEED: 35 MPH

LEGEND

- (45) Temporary Pavement Marking, Removable, 4", Solid White
- (46) Temporary Pavement Marking, Removable, 4" , Solid Yellow
- (47) Temporary Transverse Pavement Marking, Removable, 24" , Solid White
- (48) Temporary Pavement Marking, Removable, 4" , Dashed White
- Lane Line Removal
- Type III-A or Type III-B Barricade (as noted on plans)
- Construction Sign (A, B, or C)
- Standard Drum
- Phase Construction
- Indicates Traffic Flow
- Temp. Concrete Barrier, Anchored, Type 2
  Temp. Concrete Barrier, Type 2 (as noted on plans)
- Temporary Energy Absorbing Terminal, CZ, TL-2
- MS Dynamic Message Sign
- Flashing Arrow Board

NOT FOR CONSTRUCTION

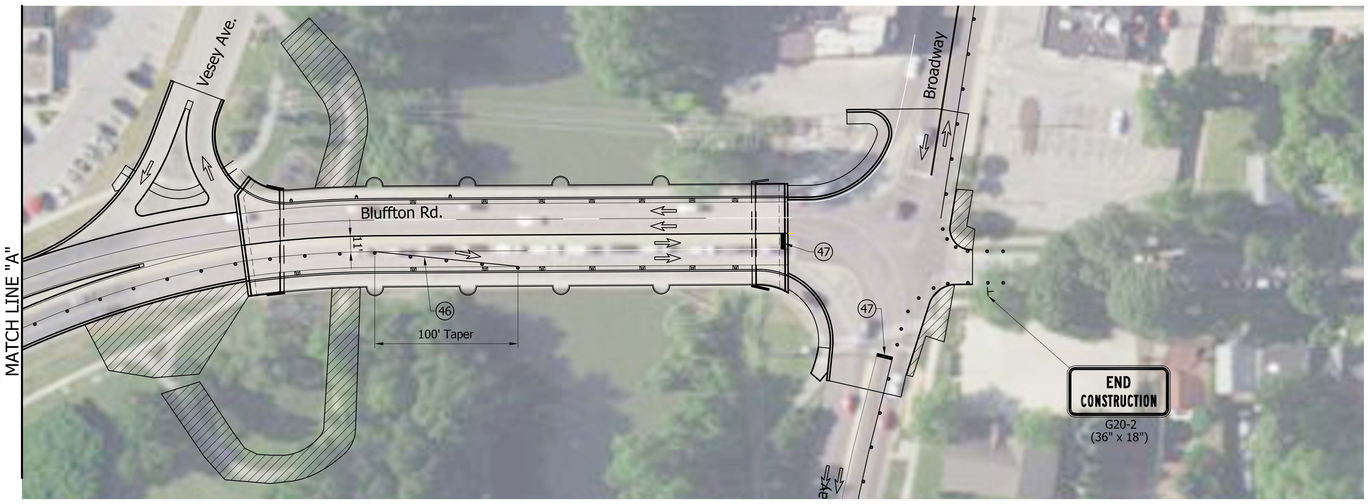
DESIGNED: BMA DRAWN: BDC
CHECKED: KAM CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

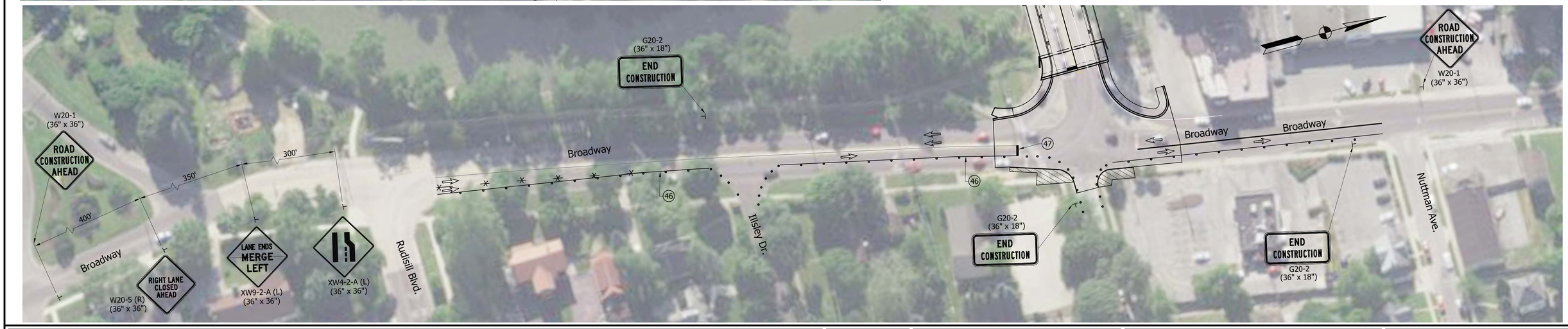
SURVEY BOOK	SHEETS		
----	10	of	63
CONTRACT	PROJECT		
B-42844	1902834		



NOTES:

1. Access to all drives to be maintained during all phases of construction.
2. Existing conflicting pavement markings to be removed within project limits.
3. Intersection of Broadway and Bluffton Rd to be resurfaced after completion of new ADA ramps in NE and SE Quadrant of Broadway and Oakdale Dr. Resurface operation to be done under flagging operations. See INDOT Std. Dwg. E 801-TCFO-02 for additional flagging operation information.
4. Additional signing details and additional Phase III information see Sheet No. 10.

CONSTRUCTION ZONE DESIGN SPEED: 35 MPH



LEGEND

(45) Temporary Pavement Marking, Removable, 4", Solid White	Type III-A or Type III-B Barricade (as noted on plans)		Temp. Concrete Barrier, Anchored, Type 2 Temp. Concrete Barrier, Type 2 (as noted on plans)
(46) Temporary Pavement Marking, Removable, 4" , Solid Yellow	Construction Sign (A, B, or C)		Temporary Energy Absorbing Terminal, CZ, TL-2
(47) Temporary Transverse Pavement Marking, Removable, 24" , Solid White	Standard Drum	MS	Dynamic Message Sign
(48) Temporary Pavement Marking, Removable, 4" , Dashed White	Phase Construction		Flashing Arrow Board
Lane Line Removal	Indicates Traffic Flow		

NOT FOR CONSTRUCTION

DESIGNED:	BMA	DRAWN:	BDC
CHECKED:	KAM	CHECKED:	BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834
SURVEY BOOK	SHEETS
----	11 of 63
CONTRACT	PROJECT
B-42844	1902834

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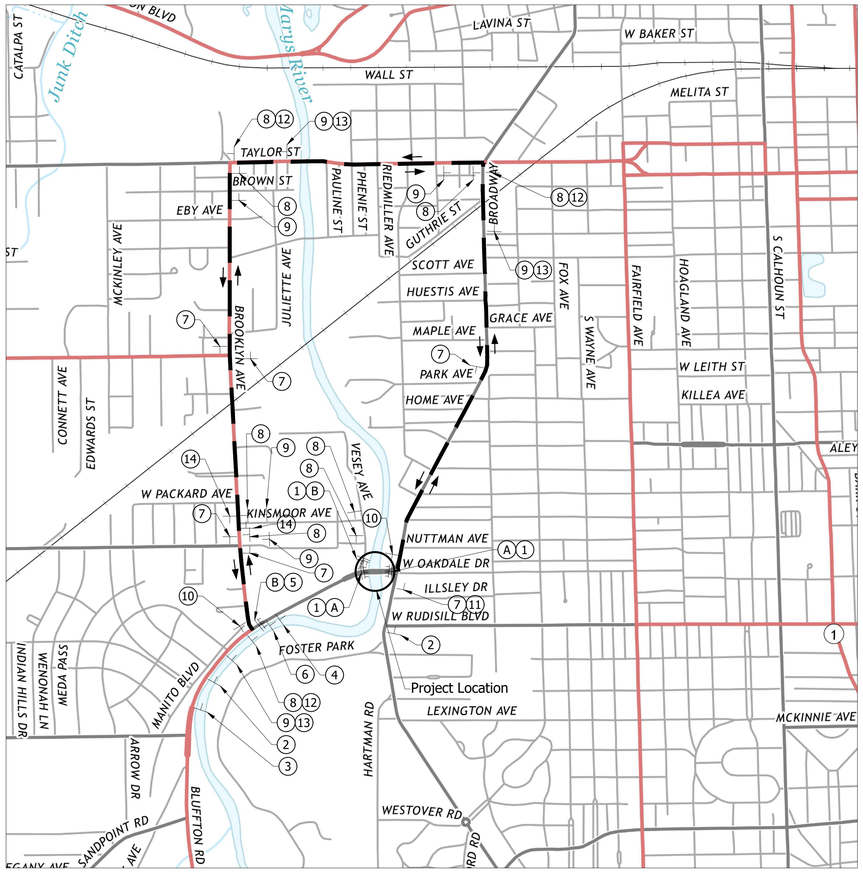

BLUFFTON ROAD AND VESEY AVE. DETOUR ROUTE AND TRUCK ROUTE

PHASE II - BLUFFTON ROAD - 1 WEEK ROAD CLOSURE DETOUR

PHASE II - VESEY AVENUE - ENTIRETY OF PHASE

Scale: 1" = 1000'

LEGEND	DESCRIPTION		SIZE	TYPE	NO.
①	ROAD CLOSED	R11-2	48" X 30"	Road Closure Assembly	3
②	DETOUR AHEAD	XW20-2	36" X 36"	A	2
③	ROAD CLOSED AHEAD	XW20-3	36" X 36"	A	1
④	ROAD CLOSED 1500'	XW20-3 (1500')	36" X 36"	A	1
⑤	ROAD CLOSED TO THRU TRAFFIC	R11-4	60" X 30"	Road Closure Assembly	1
⑥	ROAD CLOSED ON OR AFTER X / X / XX	XW20-6	60" X 30"	A	3
⑦	DETOUR EAST WEST BLUFFTON ROAD	XM4-8 M3-2 or M3-4 M1-5 (BLUFFTON ROAD) M6-3	30" X 15" 30" x 15" 30" x 24" 21" X 15"	Detour Route Assembly	6
⑧	DETOUR EAST WEST BLUFFTON ROAD	XM4-8 M3-2 or M3-4 M1-5 (BLUFFTON ROAD) M6-1 (L or R)	30" X 15" 30" x 15" 30" x 24" 21" X 15"	Detour Route Assembly	9
⑨	DETOUR EAST WEST BLUFFTON ROAD	XM4-8 M3-2 or M3-4 M1-5 (BLUFFTON ROAD) M5-1 (L or R)	30" X 15" 30" x 15" 30" x 24" 21" X 15"	Detour Route Assembly	7
⑩	END DETOUR BLUFFTON ROAD	XM4-6 XM4-8 M1-5 (BLUFFTON ROAD) M5-1 (L or R) or M6-3	30" X 15" 30" X 15" 30" x 24" 21" X 15"	Detour Route Assembly	2
Ⓐ	TYPE III-A BARRICADE		12'		336'
Ⓑ	TYPE III-B BARRICADE		12'		48'

LEGEND	DESCRIPTION		SIZE	TYPE	NO.
⑪	DETOUR VESEY R&XB	XM4-8 M1-5 (VESEY AVE.) M6-3	30" X 15" 24" x 24" 21" X 15"	Detour Route Assembly	1
⑫	DETOUR VESEY AVE	XM4-8 M1-5 (VESEY AVE.) M6-1 (L or R)	30" X 15" 24" x 24" 21" X 15"	Detour Route Assembly	3
⑬	DETOUR VESEY AVE	XM4-8 M1-5 (VESEY AVE.) M5-1 (L or R)	30" X 15" 24" x 24" 21" X 15"	Detour Route Assembly	3
⑭	END DETOUR VESEY AVE	XM4-6 XM4-8 M1-5 (VESEY AVE.) M5-1 (L or R)	30" X 15" 30" X 15" 24" x 24" 21" X 15"	Detour Route Assembly	2

TYPE OF SIGN	QUANTITY	PAY ITEM
ROAD CLOSURE ASSEMBLY	4 Each	801-04308
DETOUR ROUTE ASSEMBLY	33 Each	801-06625
CONSTRUCTION SIGN TYPE A	5 Each	801-06640
BARRICADE, III-A	336 Lft.	801-07118
BARRICADE, III-B	48 Lft.	801-07119

LEGEND

- Construction Sign (A, B, or C)
- Indicates Traffic Flow
- Type III-A or Type III-B Barricade (as noted on plans)

NOT FOR CONSTRUCTION

DESIGNED: BMA DRAWN: BDC

CHECKED: KAM CHECKED: BMA

INDIANA DEPARTMENT OF TRANSPORTATION

BLUFFTON RD. & VESEY AVE. DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834
SURVEY BOOK	SHEETS
----	12 of 63
CONTRACT	PROJECT
B-42844	1902834

PEDESTRIAN DETOUR ROUTE PHASES I & III

Scale: 1" = 200'

PEDESTRIAN DETOUR ROUTE PHASE II

Scale: 1" = 200'

LEGEND	DESCRIPTION		SIZE	TYPE	NO. (PH I)	NO. (PH II)
15	SIDEWALK CLOSED	R9-9	24" X 12"	A	3	3
16	SIDEWALK CLOSED CROSS HERE	R9-11 (L or R)	24" X 12"	A	3	4
17	DETOUR	M4-9b (L or R)	24" X 12"	A	4	3
B	TYPE III-B BARRICADE		12'		48	48

TYPE OF SIGN	QUANTITY	PAY ITEM
CONSTRUCTION SIGN TYPE A	11 Each	801-06640
BARRICADE, III-B	48 Lft.	801-07119

LEGEND

TT Construction Sign (A, B, or C)

Indicates Traffic Flow

Type III-A or Type III-B Barricade (as noted on plans)

NOT FOR CONSTRUCTION

DESIGNED: BMA DRAWN: BDC

CHECKED: KAM CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

SURVEY BOOK	SHEETS
----	13 of 63
CONTRACT	PROJECT
B-42844	1902834

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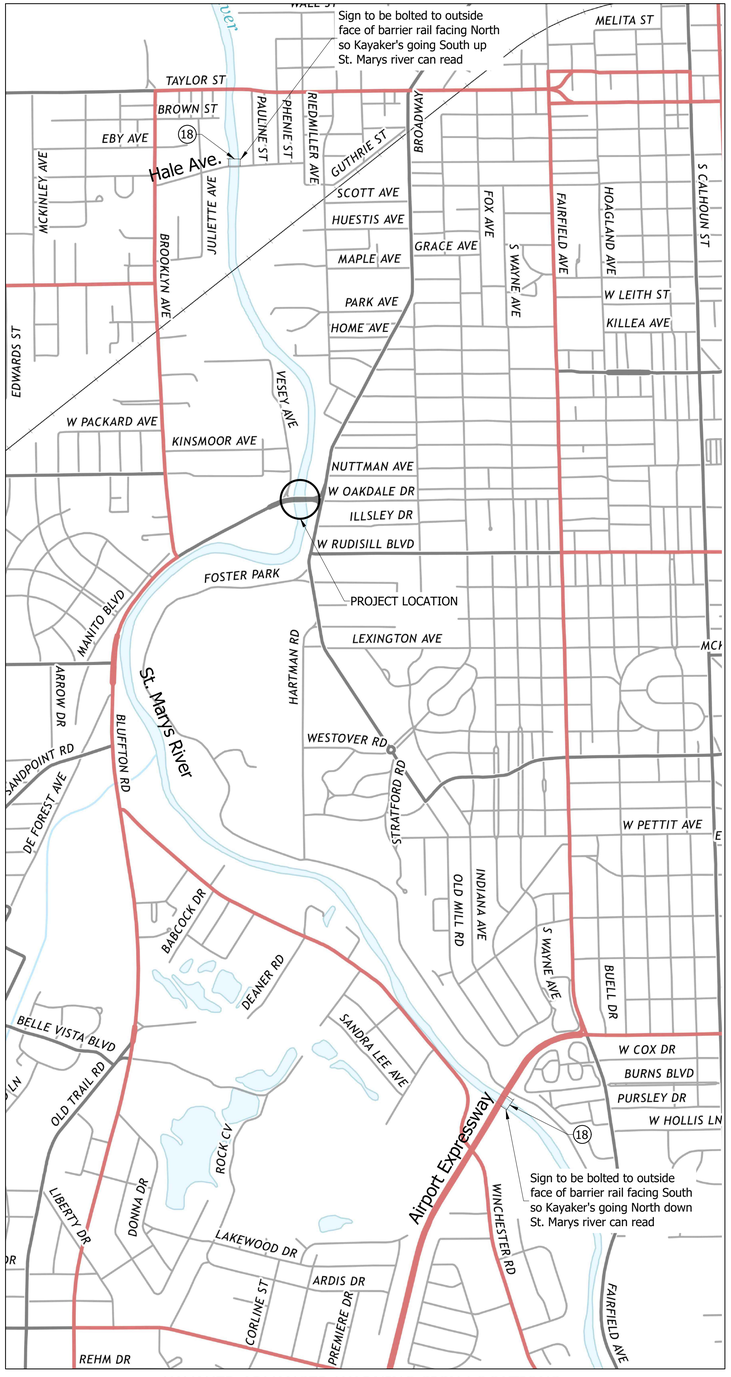


KAYAKER ADVANCED WARNING SIGN LOCATIONS

Scale: 1" = 1000'

KAYAKER EXIT AND RE-ENTRY SIGNING

Scale: 1" = 200'

LEGEND	DESCRIPTION		SIZE	TYPE	QUANTITY
18	CAUTION IN-CHANNEL RESTRICTIONS WORK AHEAD	C1	60" X 48"	C	2
19	KAYAKER EXIT HERE →	C2	48" 24"	C	2
		M6-1 (L or R)	21" X 15"	B	2
20	KAYAKER RE-ENTRY →	C3	48" X 24"	C	2
		M6-1 (L or R)	21" X 15"	B	2
	BUOY				48

TYPE OF SIGN	QUANTITY	PAY ITEM
CONSTRUCTION SIGN TYPE B	6 Each	801-06645
CONSTRUCTION SIGN TYPE C	4 Each	801-03290
BUOY	9 Each	

BORDER
R=1.38"
TH=0.75"
IN=0.5"

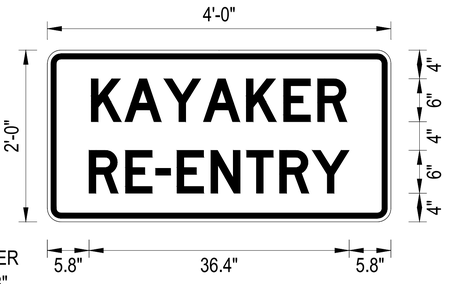
3.6" 52.8" 3.6"

Panel Style: 54x36 Construction.ssi
M.U.T.C.D.: 2009 Edition
CONSTRUCTION SIGN C1

BORDER
R=1.38"
TH=0.75"
IN=0.5"

3.95" 40.1" 3.95"

Panel Style: 54x36 Construction.ssi
M.U.T.C.D.: 2009 Edition
CONTRUCTION SIGN C2



BORDER
R=1.38"
TH=0.75"
IN=0.5"

5.8" 36.4" 5.8"

Panel Style: 54x36 Construction.ssi
M.U.T.C.D.: 2009 Edition
CONSTRUCTION SIGN C3

LEGEND

- Construction Sign (A, B, or C)
- Indicates Traffic Flow
- Buoy (Spa. @ 30' max. in waterway)

NOT FOR CONSTRUCTION

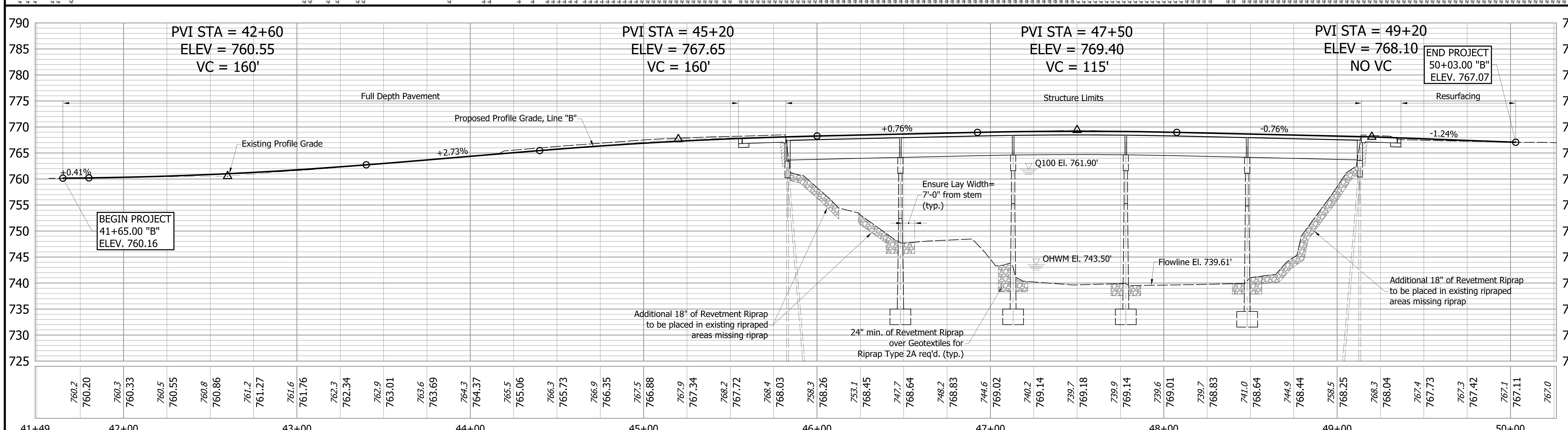
DESIGNED: BMA DRAWN: BDC
CHECKED: KAM CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

KAYAKER DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

SURVEY BOOK	SHEETS
----	14 of 63
CONTRACT	PROJECT
B-42844	1902834



BENCHMARK INFO

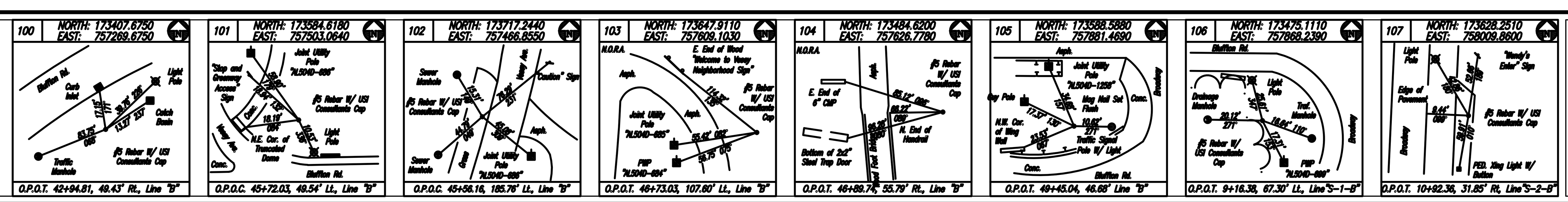
TBM#1- CUT X IN NORTHEAST BOLT OF THE SOUTH POST TO HALLS RESTAURANT, 40' NORTH C/L CONCRETE MEDIAN OF BLUFFTON RD., 35' WEST C/L ENTRY TO HALLS, N:173487.0, E:757214.1, ELEV.:762.285'

TBM#2- RAILROAD SPIKE 1 FT UP WEST SIDE GUY POLE #NA, 17' EAST OF C/L VESEY AVE., 12' SOUTH C/L NUTTMAN AVE. EXTENDED, N:173910.8, E:757532.7, ELEV.:759.088'

TBM#3- RAILROAD SPIKE 1FT UP NORTHEAST SIDE JOINT POLE #AL504D-685, 10' WEST C/L ASPH TRAIL, 90' EAST C/L VESEY AVE, N:173640.8, E:757554.7, ELEV.:763.426'

TBM#4- CUT X IN SOUTH BOLT T.S.P.#K11232 IN THE NORTHWEST CORNER OF THE INTERSECTION OF BLUFFTON RD AND BROADWAY, 45' NORTH C/L BLUFFTON RD., 75' WEST C/L ROADWAY, N:173587.3, E:757891.3, ELEV.:768.206'

TBM#5- RAILROAD SPIKE 1FT UP SOUTH SIDE POWERPOLE #AL504D-870, 25' NORTH OF C/L OAKDALE DR., 120' EAST OF C/L BROADWAY, N:173542.5, E:758081.9, ELEV.:769.729'



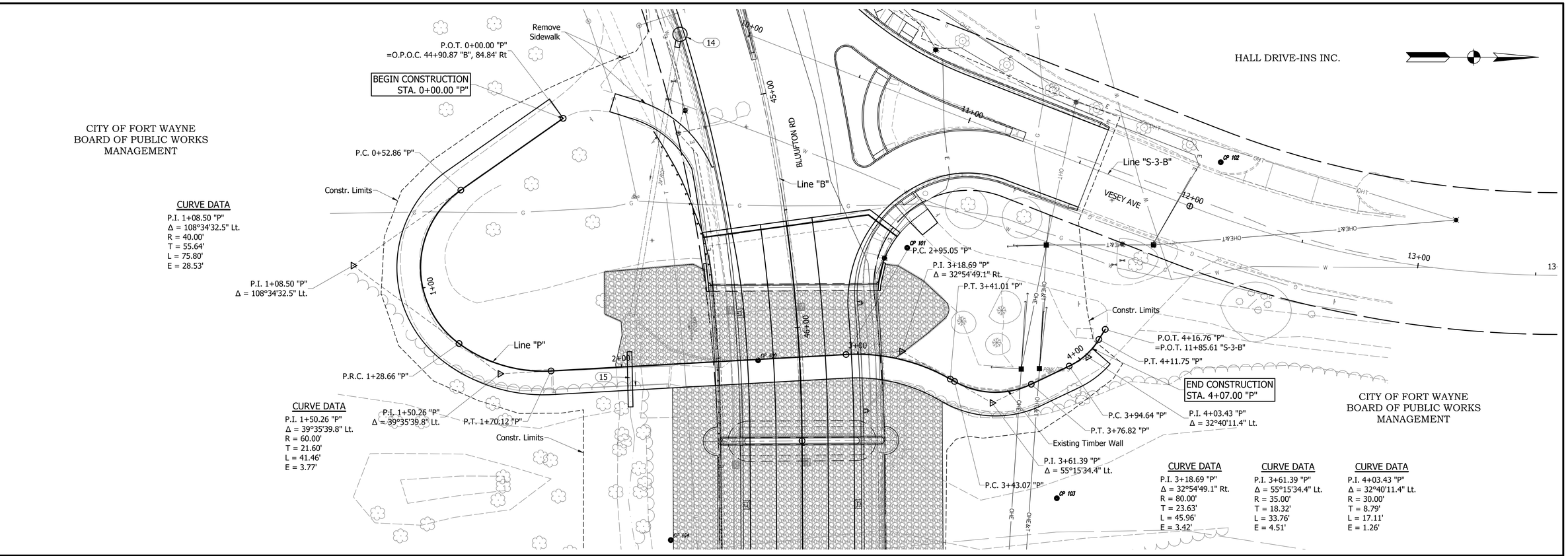
NOT FOR CONSTRUCTION

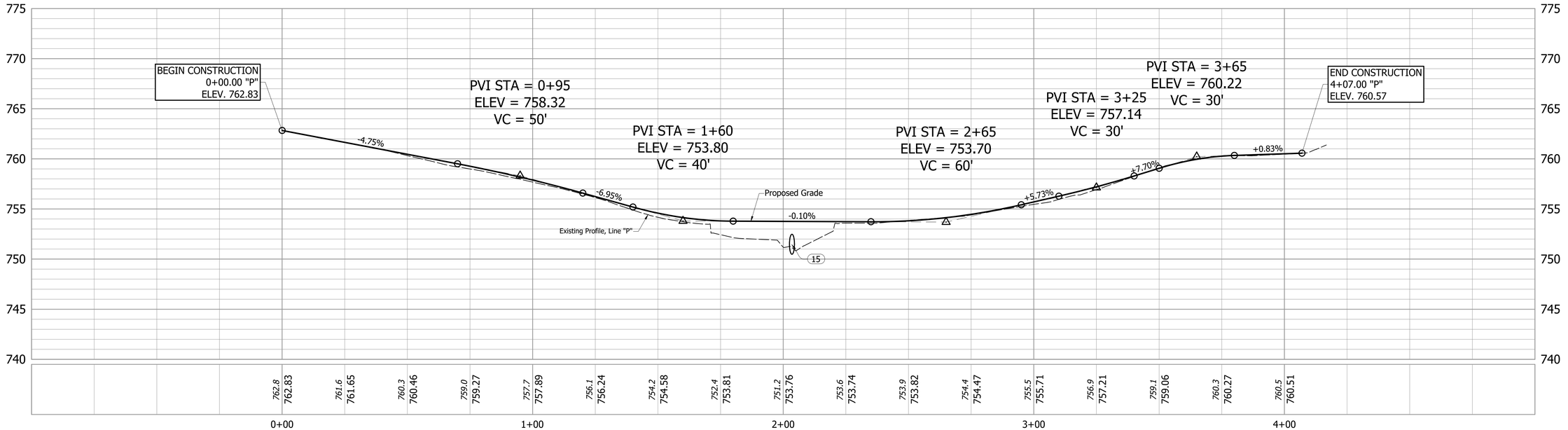
DESIGNED:	BMA	DRAWN:	BDC
CHECKED:	KAM	CHECKED:	BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1"=10'	1902834
SURVEY BOOK	SHEETS
----	15 of 63
CONTRACT	PROJECT
B-42844	1902834





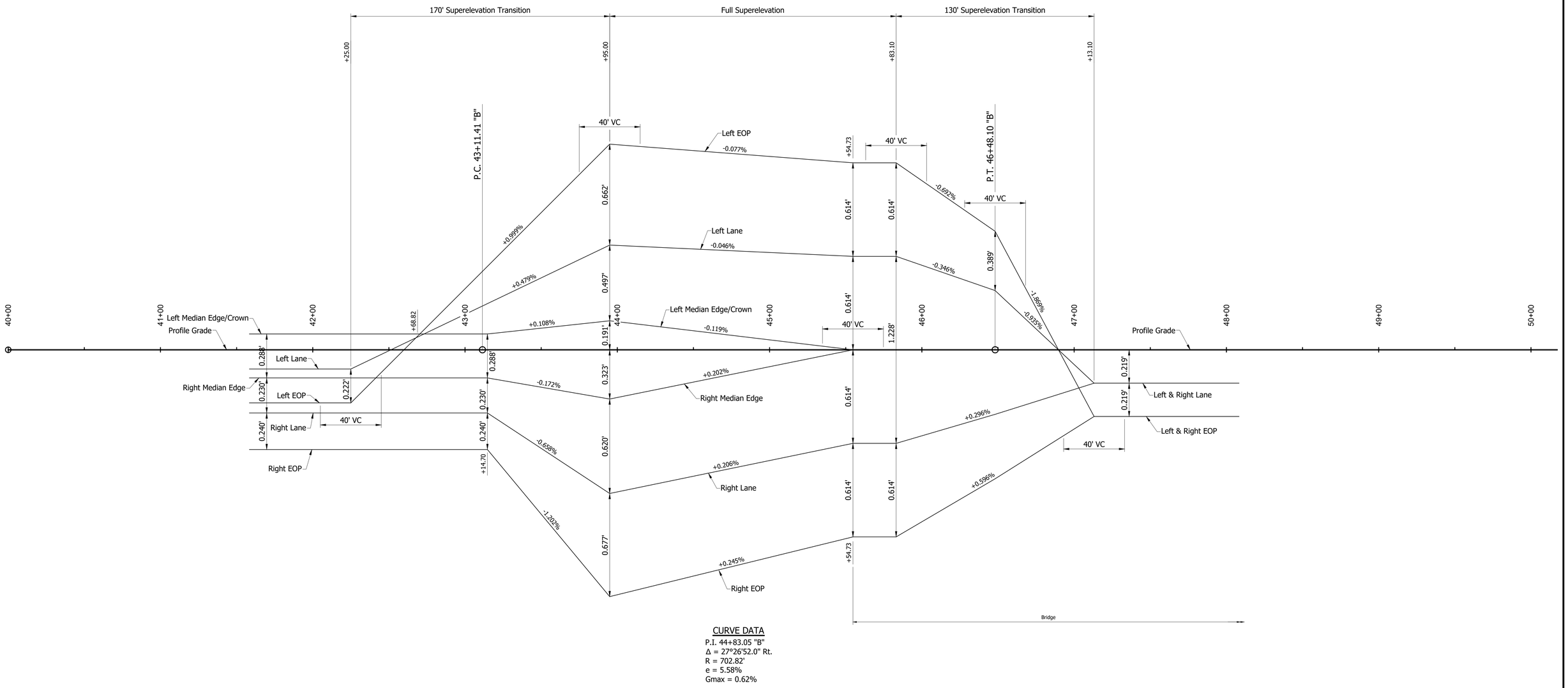
NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
ST. MARYS PATHWAY - LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834
SURVEY BOOK	SHEETS
----	16 of 63
CONTRACT	PROJECT
B-42844	1902834



CURVE DATA

P.I. 44+83.05 "B"
Δ = 27°26'52.0" Rt.
R = 702.82'
e = 5.58%
Gmax = 0.62%

NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TRANSITION DIAGRAM
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 0.3'	1902834
SURVEY BOOK	SHEETS
----	17 of 63
CONTRACT	PROJECT
B-42844	1902834

END CONSTRUCTION
STA. 11+56.23 "S-3-B"

602

VESEY AVENUE

12+00

P.C. 12+00.00 "S-3-B"

CURVE DATA

P.I. 44+83.05 "B"
Δ = 27°26'52.0" Rt.
R = 702.82'
T = 171.64'
L = 336.69'
E = 20.66'

Constr. Limits

Line "S-3-B"

Replace Existing Pedestrian Rail w/New Timber Rail

P.I. 44+83.05 "B"
Δ = 27°26'52.0" Rt.

P.C.C. 44+74.26 "B"
=P.O.C. 10+00.00 "S-3-B"

R=150'

R=45'

R=51.5'

11+00

43+17, Cl. III Drive Req'd.
W=30.0', L=13.8', R=13.5',15'

43+05, STR. NO. 13
Inlet Type "J-10" &
12' of 15" Type 2 Pipe

P.C. 43+11.41 "B"

42+08, Cl. III Drive Req'd.
W=56.0', L=13.6', R=15',15'

P.T. 46+48.10 "B"

42+78, STR. NO. 10
Inlet Type "M-10" &
2' of 15" Type 2 Pipe

44+66, STR. NO. 14
Manhole Type "J-10" &
4' of 24" Type 2 Pipe

BLUFFTON ROAD

Line "B"

BEGIN PROJECT
STA. 41+65.00 "B"

41+00

42+00

43+00

44+00

45+00

46+00

47+00

MATCH LINE STA. 47+00

42+90, STR. NO. 11
Manhole Type "J-10" &
1' of 24" Type 2 Pipe

43+00, STR. NO. 12
Manhole Type "C-10" &
14' of 15" Type 2 Pipe

Constr. Limits

46+06, STR. NO. 15
23' of 24" Type 1 Pipe
w/2 Pipe End Sections

10.7 Tons Revetment Riprap
w/14.2 Sys. Geotextiles for
Riprap Type 2A

Constr. Limits

Constr. Limits

Replace Existing Pedestrian
Rail w/New Timber Rail

15" RCP
24" RCP
42" RCP

LEGEND

- (K) HMA FULL DEPTH PAVEMENT (See Typical Cross Sections)
- (K1) HMA PATCHING 165#/Syd QC/QA-HMA, 3, 64, Surface 9.5 mm on 440#/Syd. HMA Intermediate Type B on 16" Compacted Aggreage Base, No. 73
- (R) HMA RESURFACING (See Typical Cross Sections)
- (P) HMA MULTI-USE PATH (See Typical Cross Sections)
- (D) PCCP For Approaches, 9" on Subgrade Treatment Type II
- (F) Concrete Sidewalk
- (15) Concrete Curb and Gutter, Type II-B
- (16) Concrete Curb Type III
- (26) Sodding
- (29) Mulched Seeding, U
- (CR) Curb Ramp, Concrete

NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC
CHECKED: KAM | CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	18	of	63
CONTRACT	PROJECT		
B-42844	1902834		

MATCH LINE STA. 47+00

48+00

Line "B"

49+00

50+00

BLUFFTON ROAD

12+00

BROADWAY

11+00

Line "S-2-B"

END CONSTRUCTION
STA. 10+87.86 "S-2-B"

END PROJECT
STA. 50+03.00 "B"

P.O.T. 50+15.22 "B"
=P.O.T. 10+00.00 "S-1-B"

P.O.T. 50+26.53 "B"
=P.O.T. 10+00.00 "S-2-B"

END CONSTRUCTION
STA. 10+56.00 "C"

P.O.T. 11+50.00 "C"

OAKDALE DRIVE
11+00

Line "C"

Saw Cut

R=16.5'

R=61.5'

R=15'

R=51.5'

R=20'

14'

11'

11'

14'

1'

1'

60" RCP

12" VCP

12" RCP

10" PVC

12" CMP

P.O.T. 9+74.78 "S-1-B"
=P.O.T. 10+00.00 "C"

9+00

8+00

Line "S-1-B"

BEGIN CONSTRUCTION
STA. 8+71.04 "S-1-B"

219 235 234 238 228 229 230 231 232 233 236

LEGEND

- (K) HMA FULL DEPTH PAVEMENT (See Typical Cross Sections)
- (K1) HMA PATCHING 165#/Syd QC/QA-HMA, 3, 64, Surface 9.5 mm on 440#/Syd. HMA Intermediate Type B on 16" Compacted Aggreage Base, No. 73
- (R) HMA RESURFACING (See Typical Cross Sections)
- (P) HMA MULTI-USE PATH (See Typical Cross Sections)
- (D) PCCP For Approaches, 9" on Subgrade Treatment Type II
- (F) Concrete Sidewalk
- (15) Concrete Curb and Gutter, Type II-B
- (16) Concrete Curb Type III
- (26) Sodding
- (29) Mulched Seeding, U
- (CR) Curb Ramp, Concrete

NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

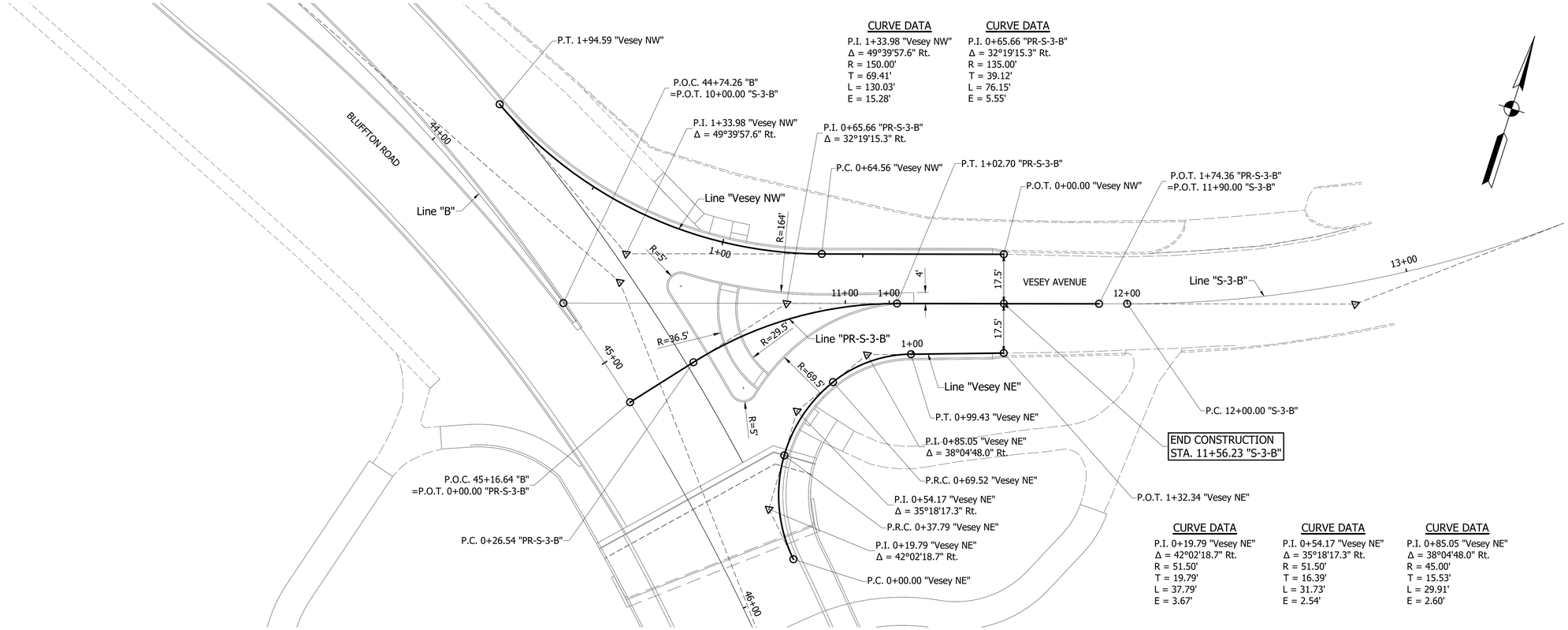
CHECKED: KAM | CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

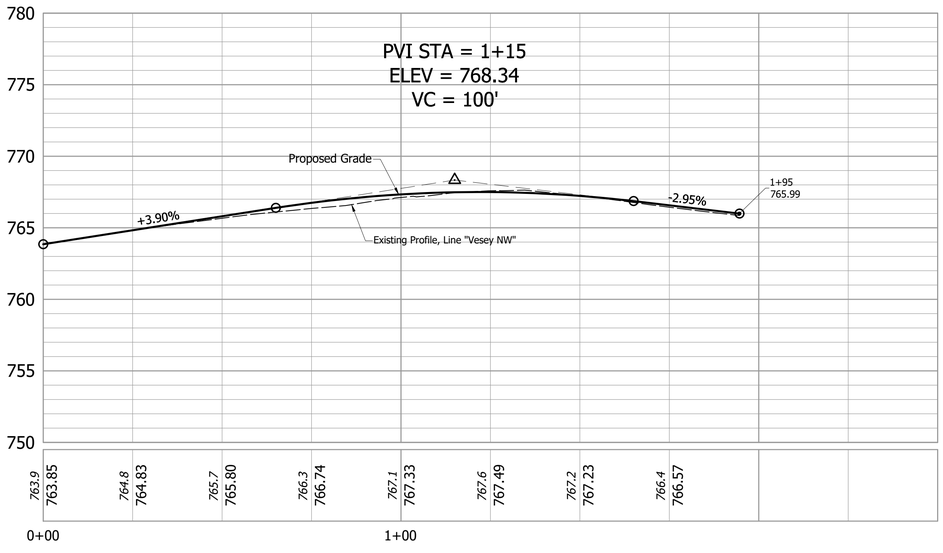
CONSTRUCTION DETAILS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

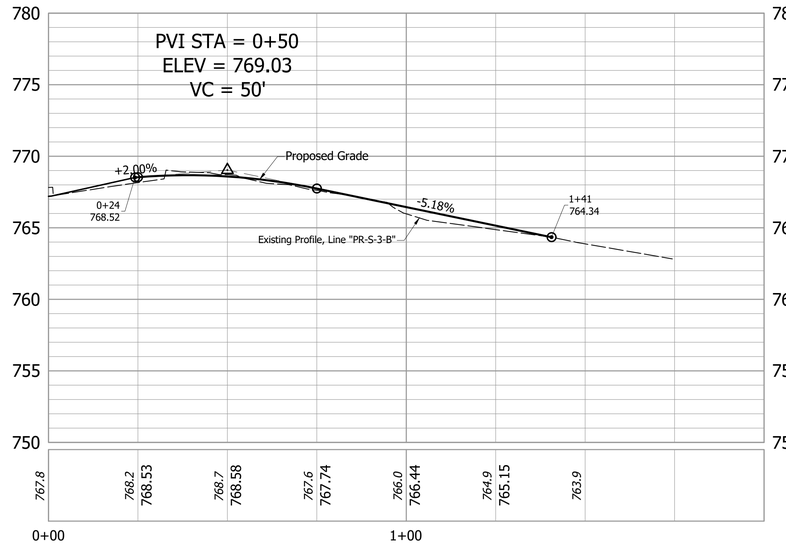
SURVEY BOOK	SHEETS		
----	19	of	63
CONTRACT	PROJECT		
B-42844	1902834		



Vesey NW



PR-S-3-B



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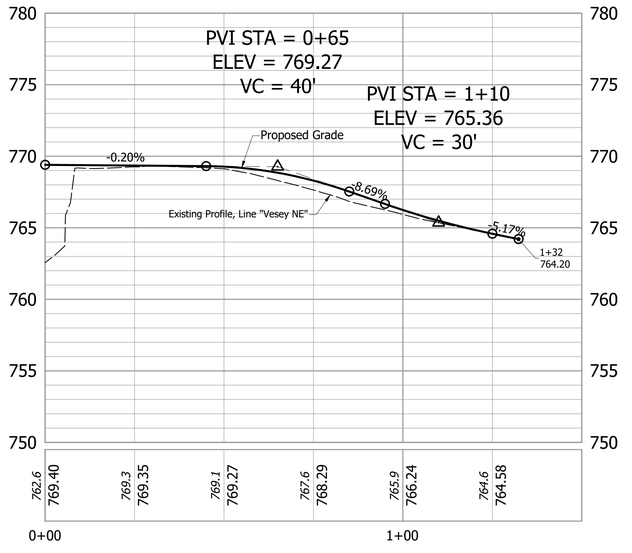


NOT FOR CONSTRUCTION

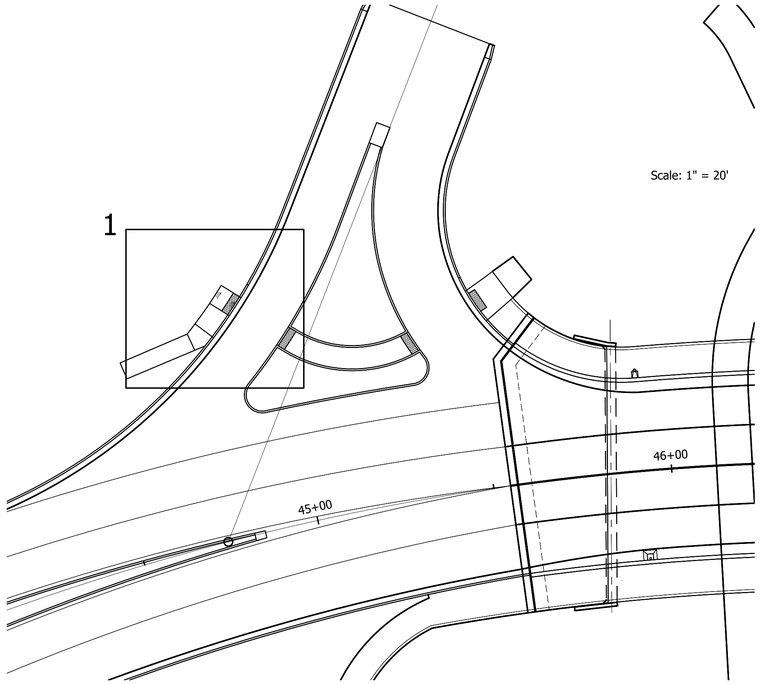
DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

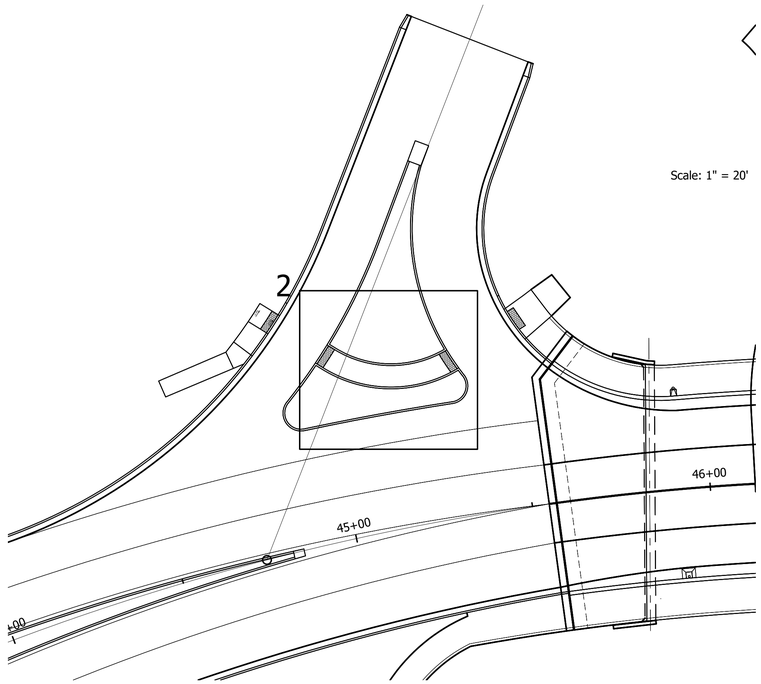
INDIANA
DEPARTMENT OF TRANSPORTATION

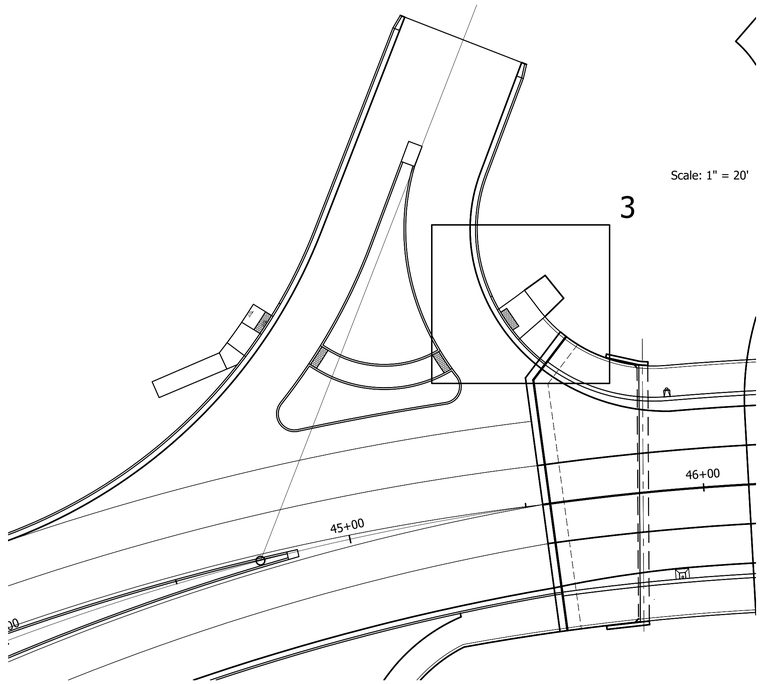
INTERSECTION DETAILS
BLUFFTON RD / BROADWAY

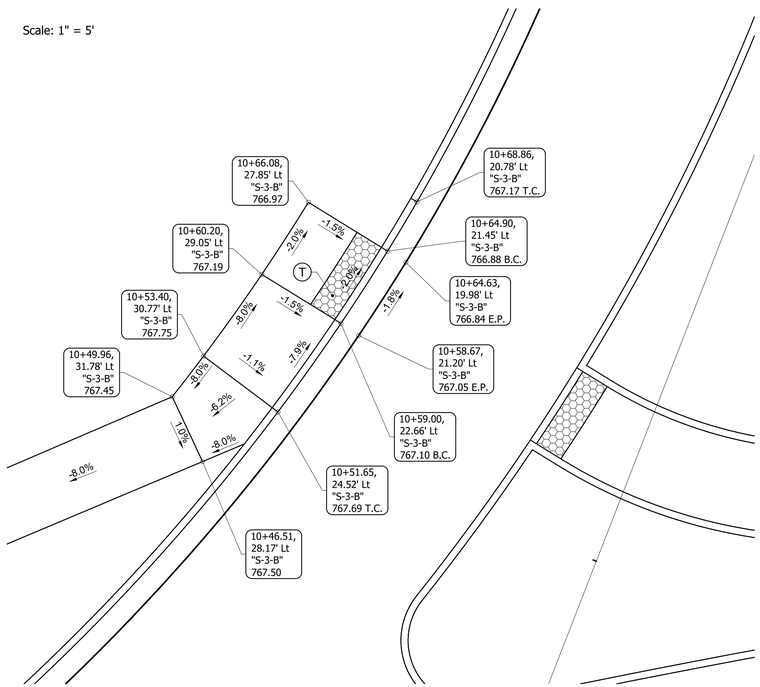
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	20	of	63
CONTRACT	PROJECT		
B-42844	1902834		









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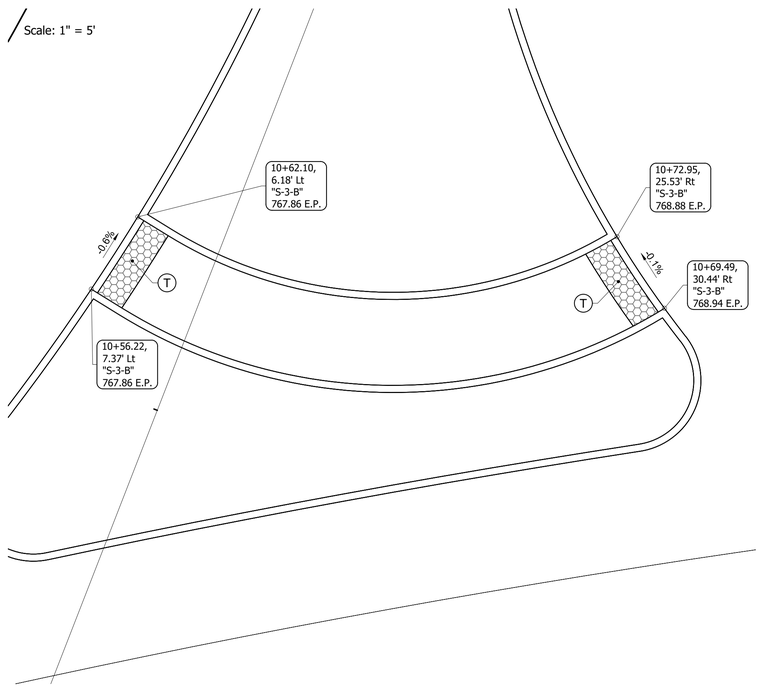

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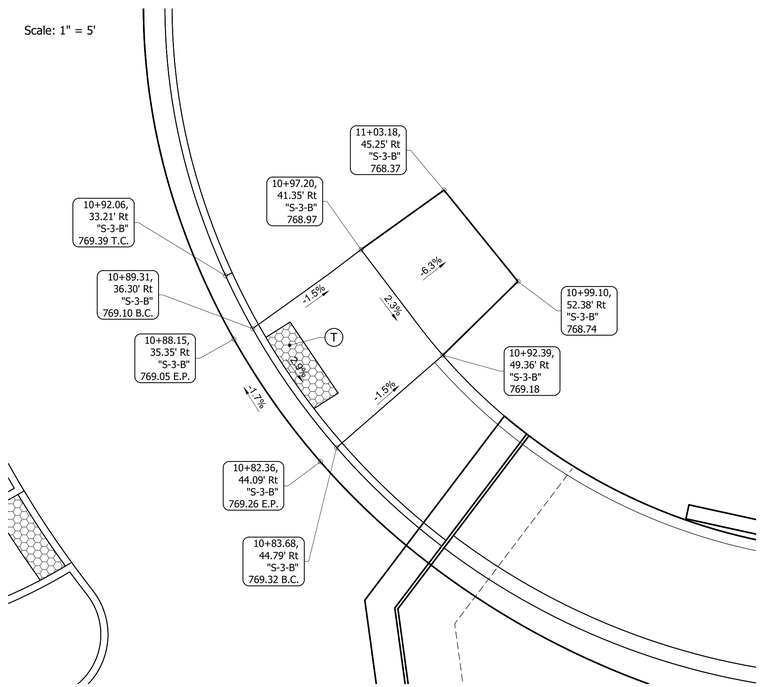


3

LEGEND

Ⓣ Detectable Warning Surface

Ⓒ Required Curb

E.P. = Edge of Pavement
B.C. = Bottom of Curb
T.C. = Top of Curb

NOT FOR CONSTRUCTION

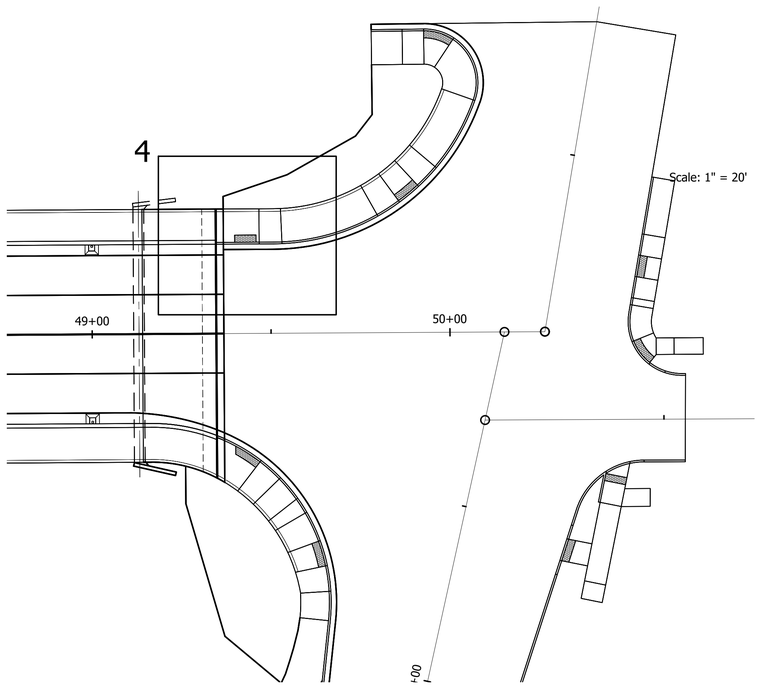
DESIGNED:	BMA	DRAWN:	CNC
CHECKED:	KAM	CHECKED:	BMA

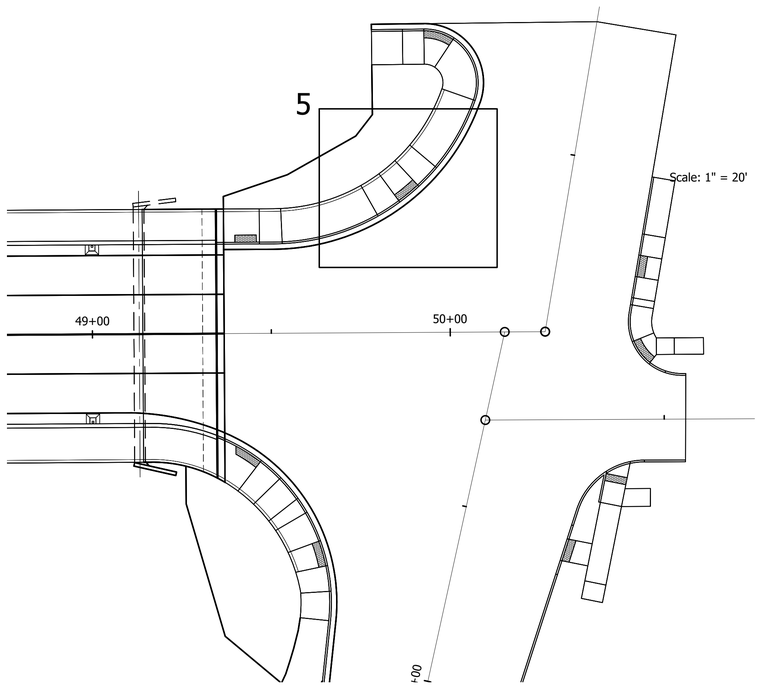
INDIANA
DEPARTMENT OF TRANSPORTATION

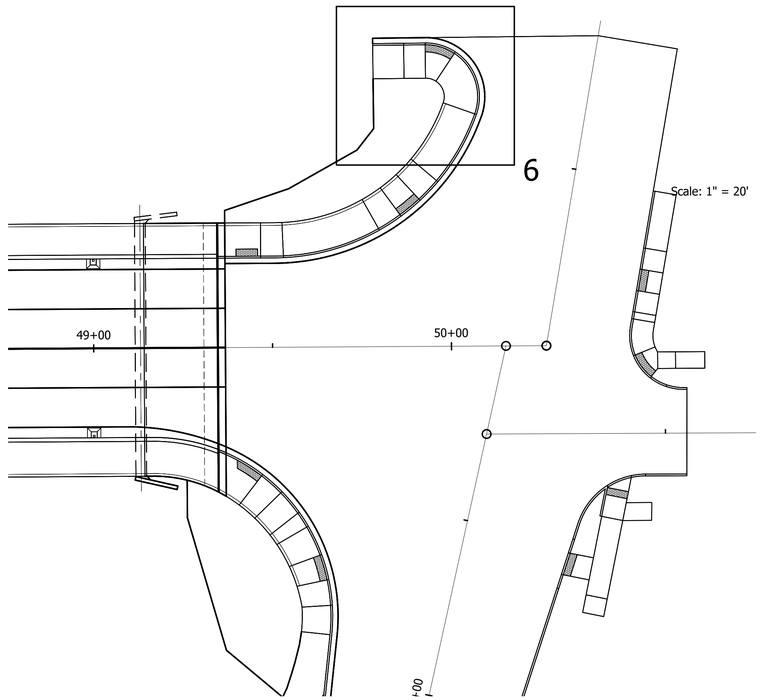
CURB RAMP DETAILS
BLUFFTON RD / BROADWAY

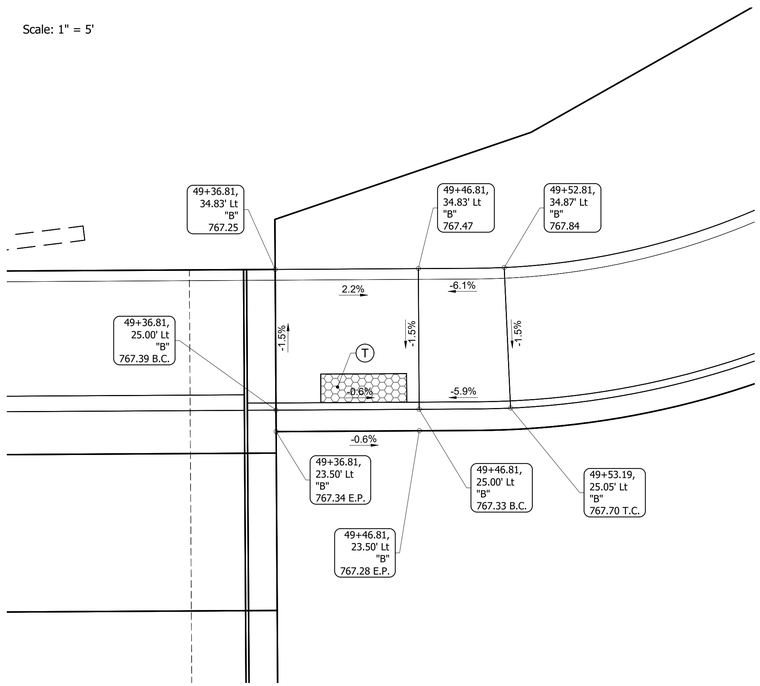
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	21	of	63
CONTRACT	PROJECT		
B-42844	1902834		









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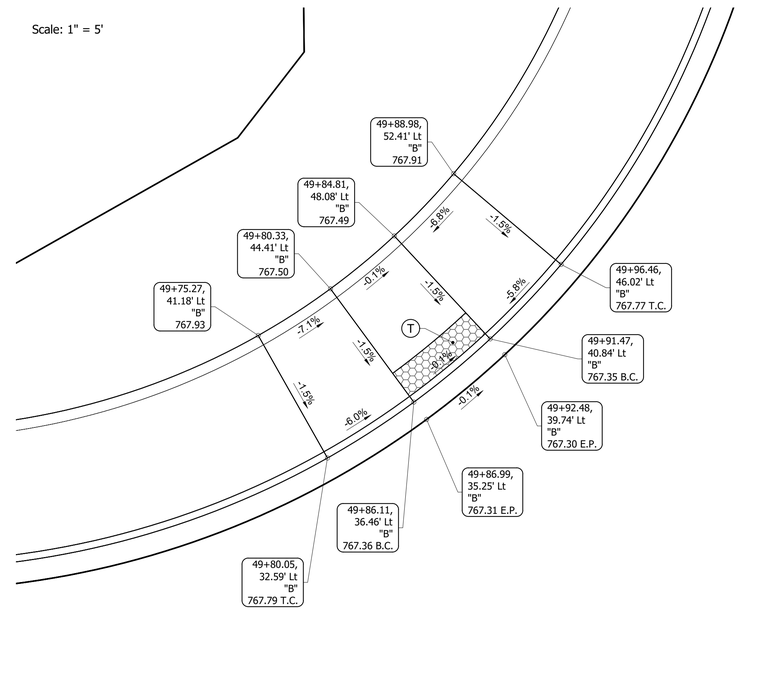

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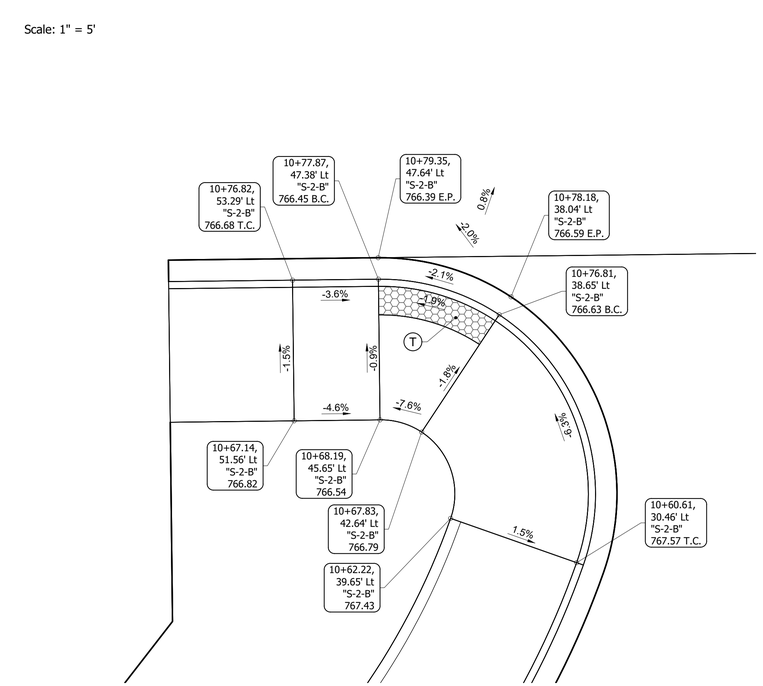


6

LEGEND

(T) Detectable Warning Surface

(C) Required Curb

E.P. = Edge of Pavement

B.C. = Bottom of Curb

T.C. = Top of Curb

NOT FOR CONSTRUCTION

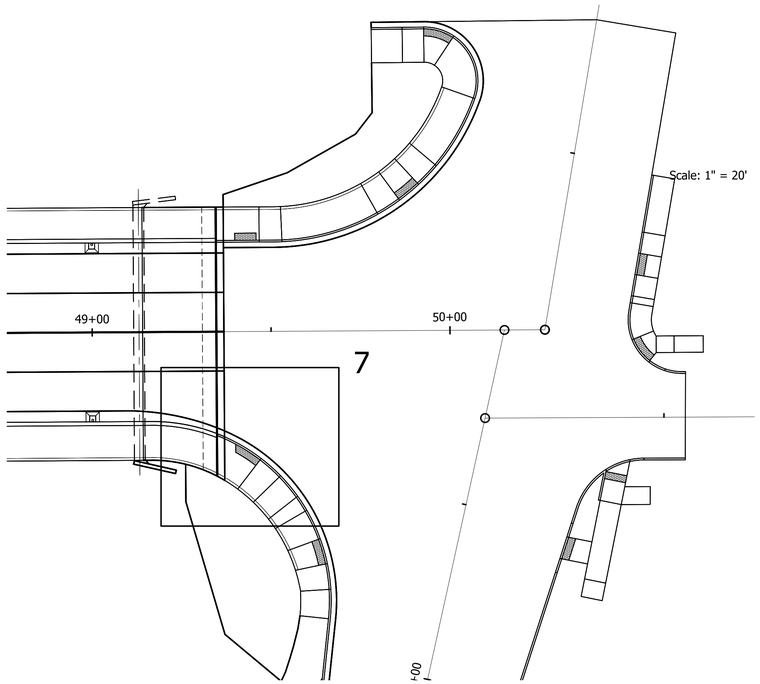
DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

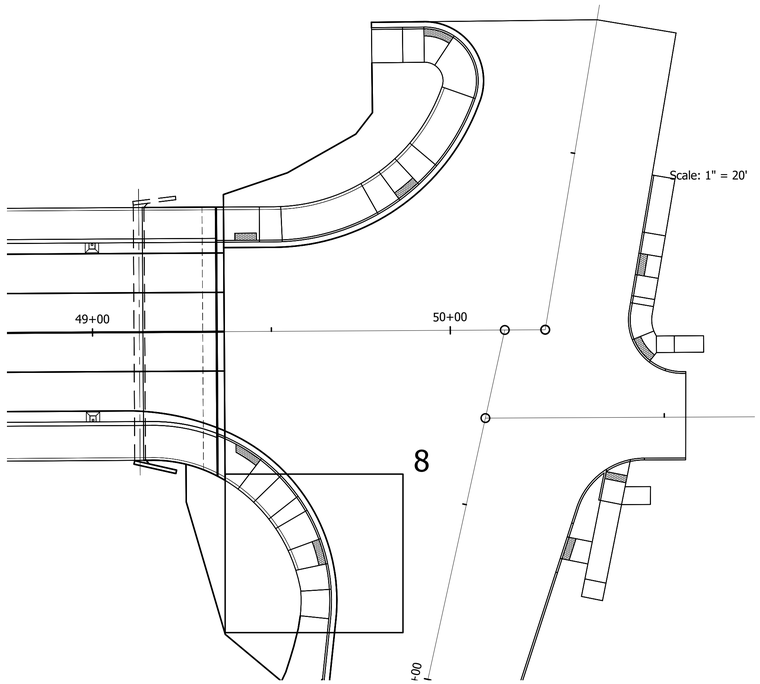
INDIANA
DEPARTMENT OF TRANSPORTATION

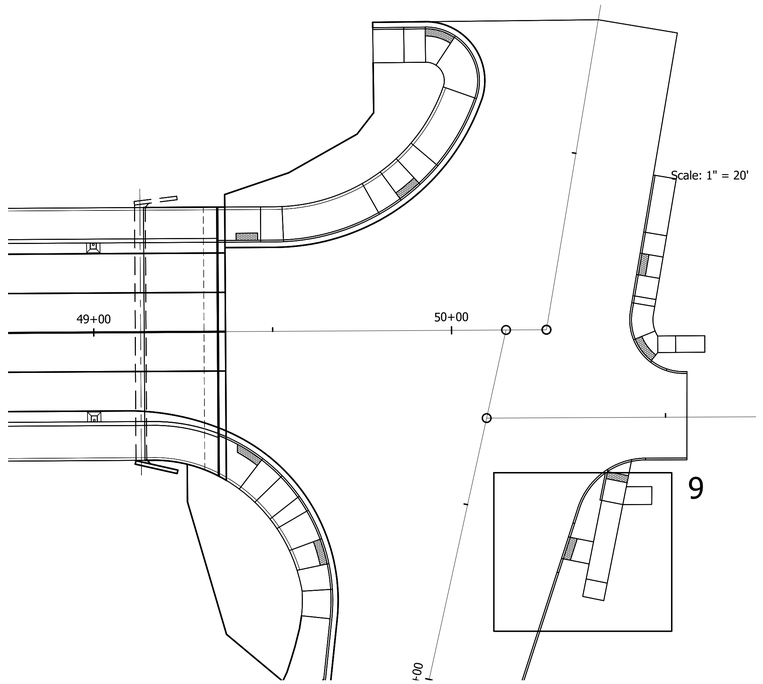
CURB RAMP DETAILS
BLUFFTON RD / BROADWAY

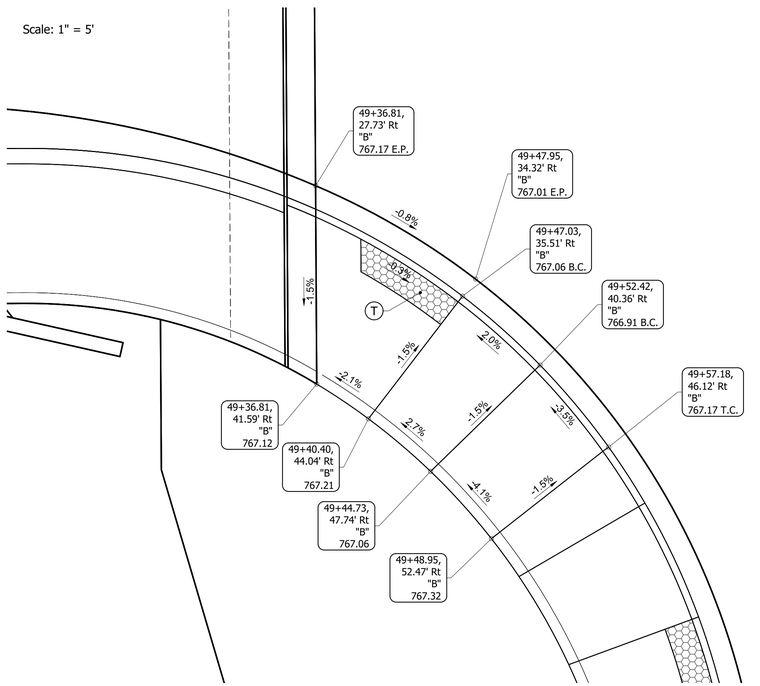
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

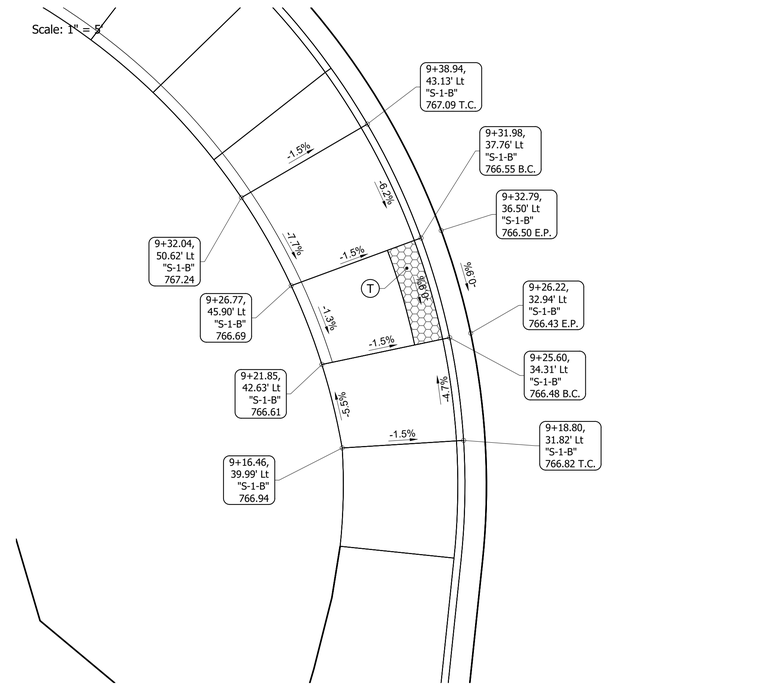
SURVEY BOOK	SHEETS
----	22 of 63
CONTRACT	PROJECT
B-42844	1902834

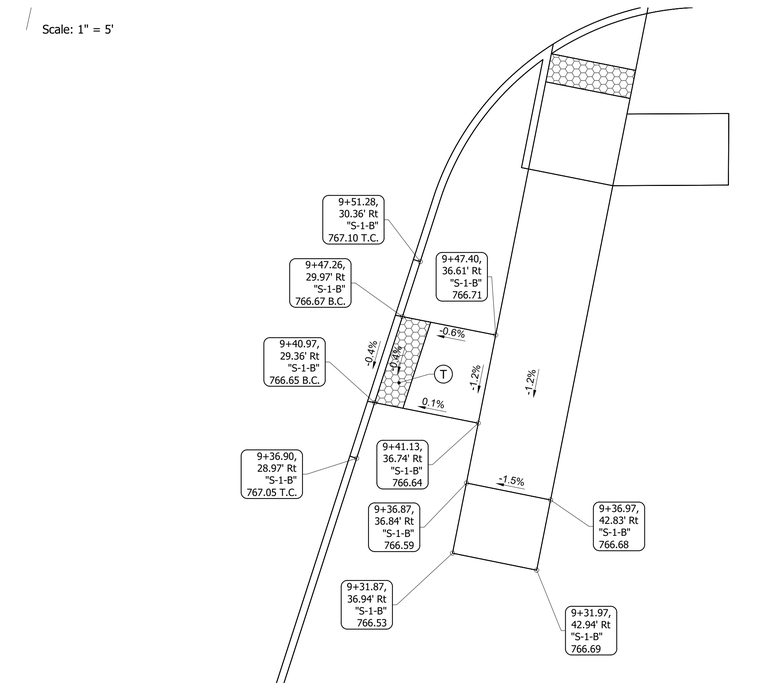












LEGEND

(T) Detectable Warning Surface

(C) Required Curb

E.P. = Edge of Pavement

B.C. = Bottom of Curb

T.C. = Top of Curb

NOT FOR CONSTRUCTION

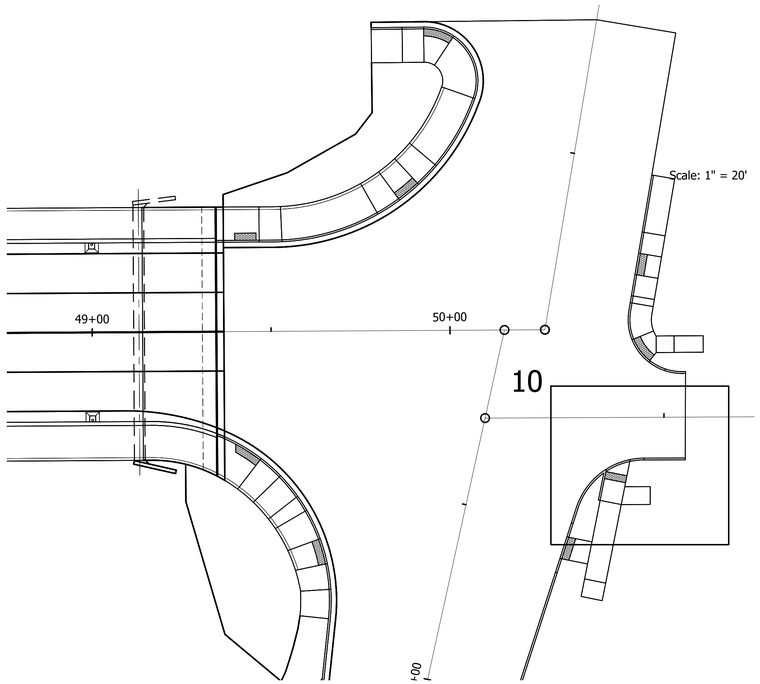
DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

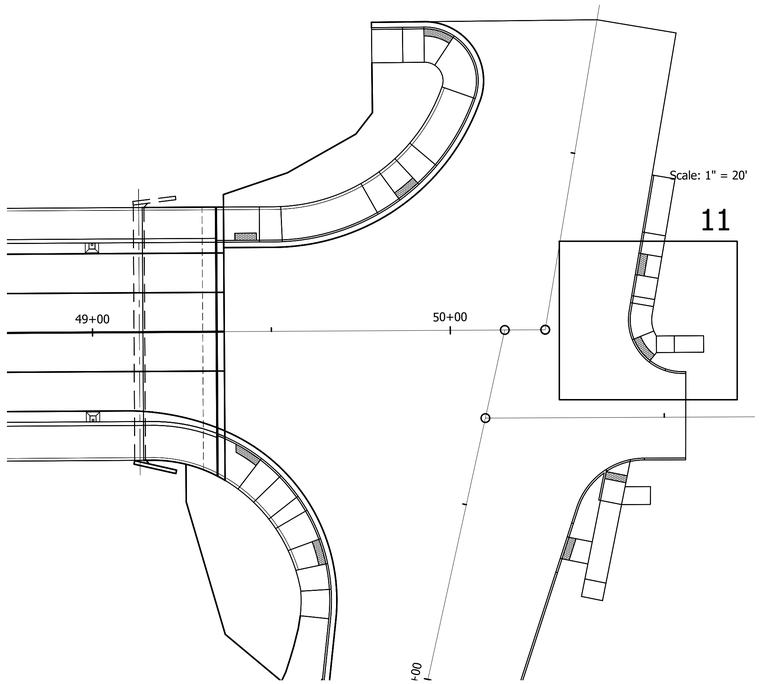
INDIANA
DEPARTMENT OF TRANSPORTATION

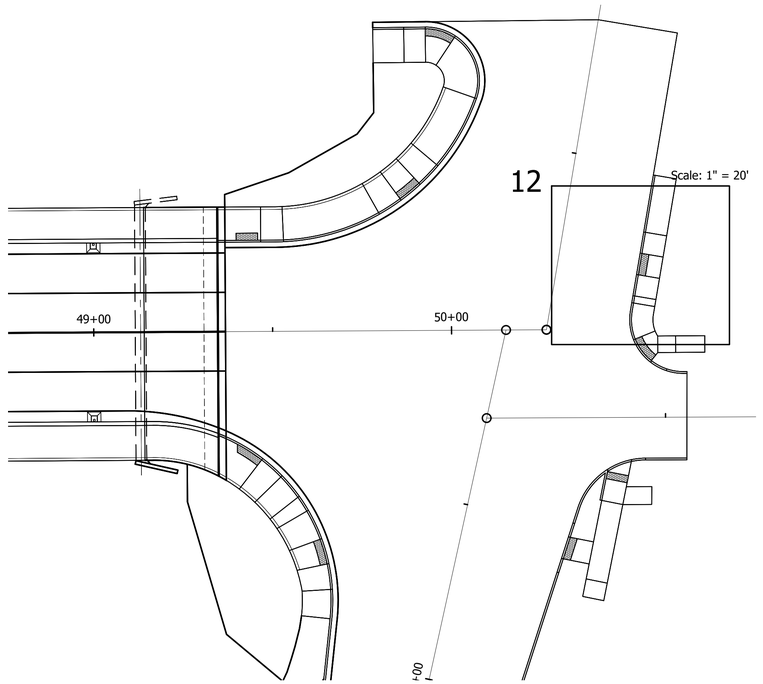
CURB RAMP DETAILS
BLUFFTON RD / BROADWAY

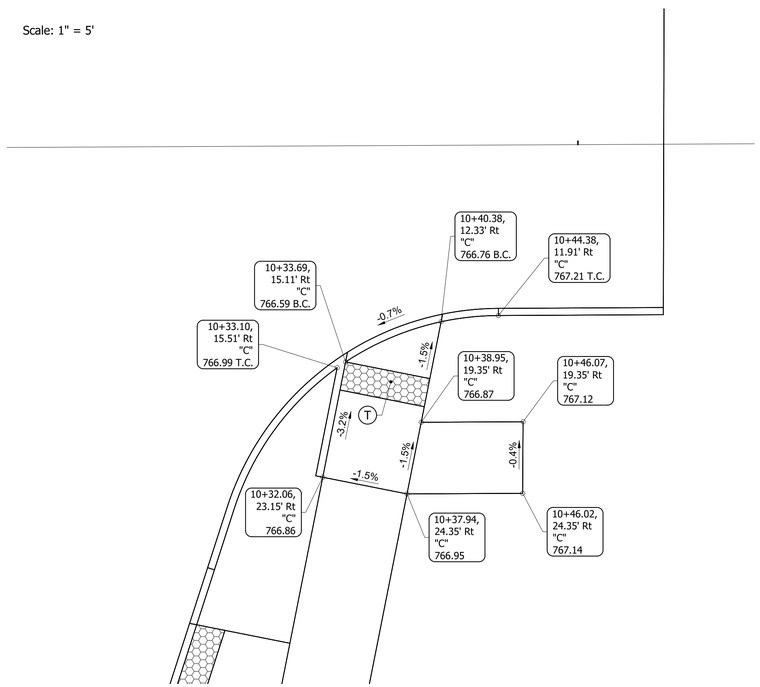
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

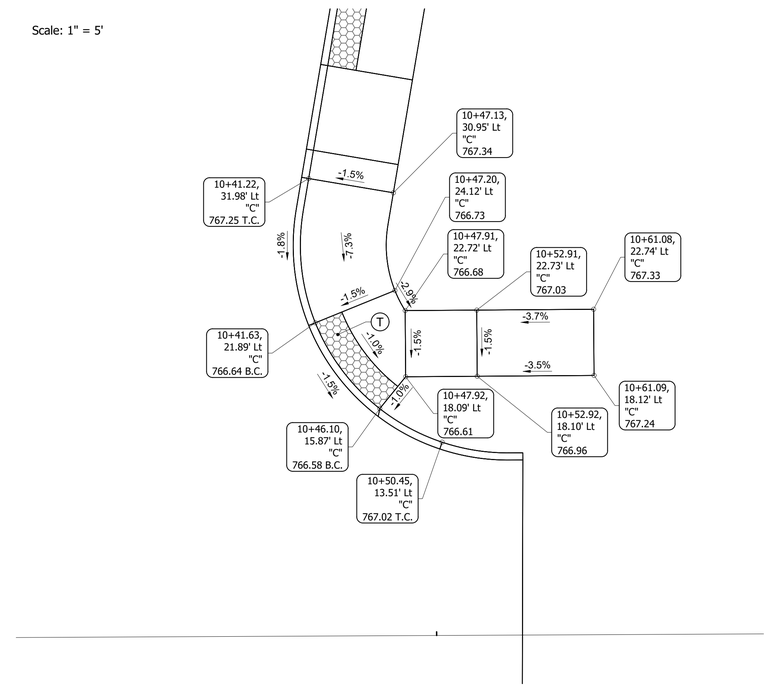
SURVEY BOOK	SHEETS		
----	23	of	63
CONTRACT	PROJECT		
B-42844	1902834		

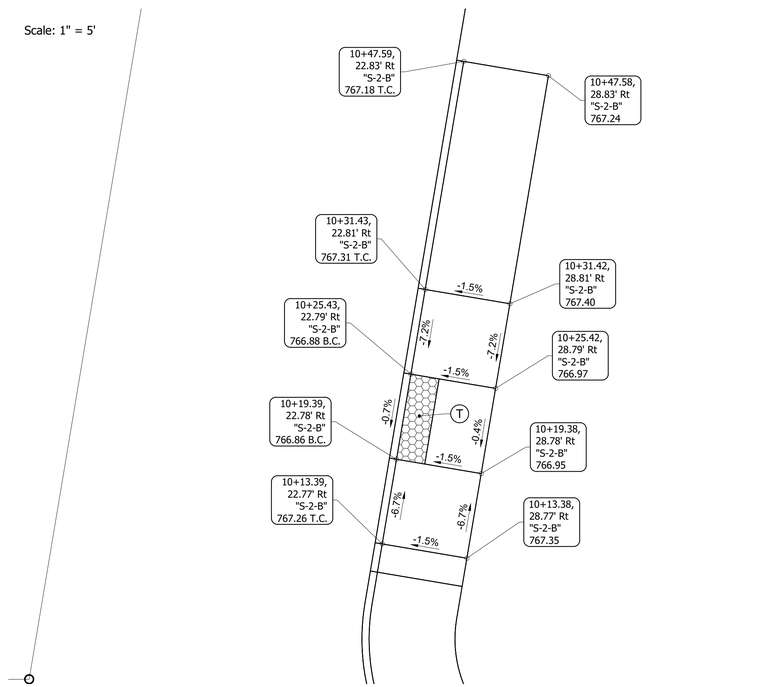












LEGEND

(T) Detectable Warning Surface

(C) Required Curb

E.P. = Edge of Pavement

B.C. = Bottom of Curb

T.C. = Top of Curb

NOT FOR CONSTRUCTION

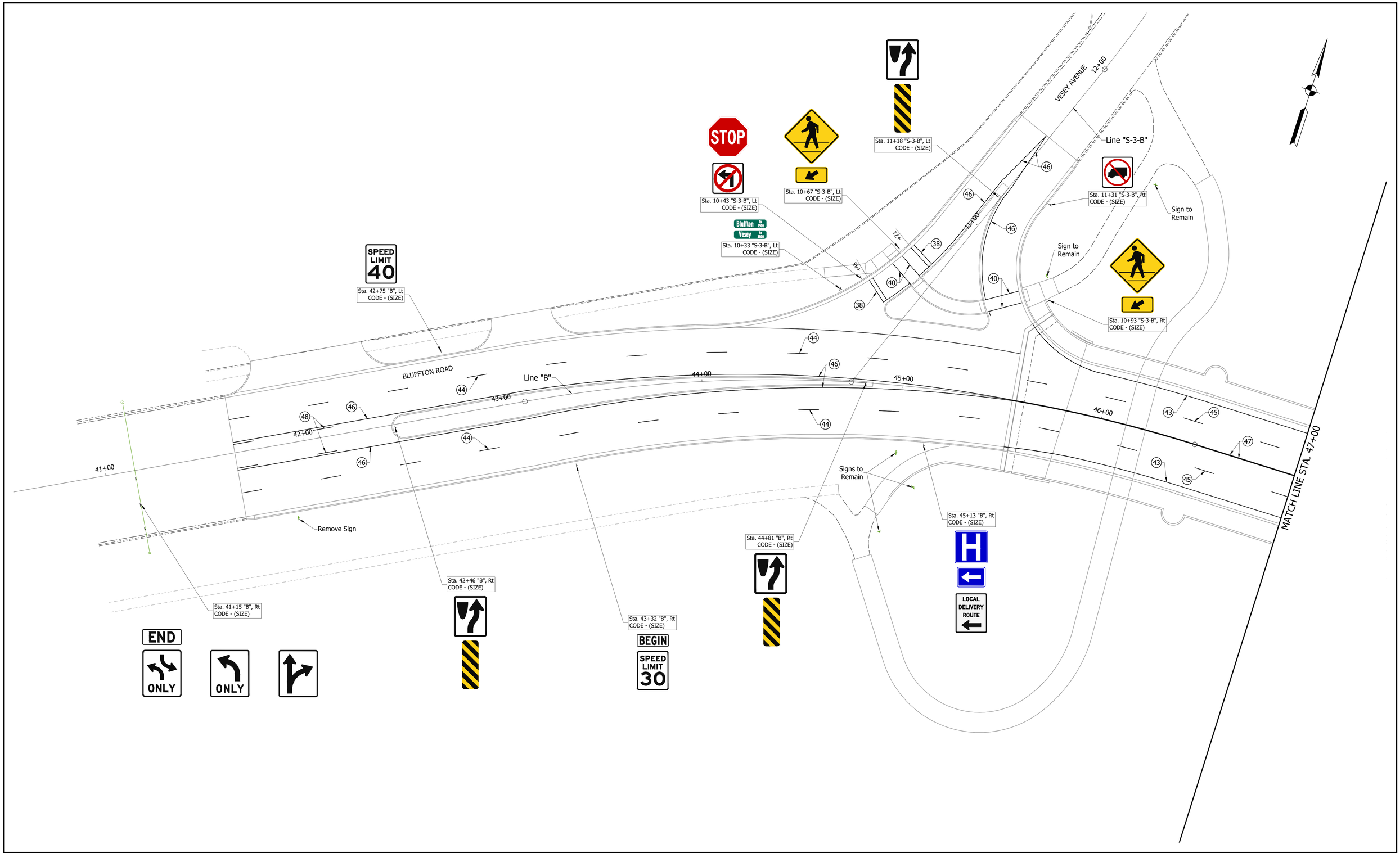
DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
BLUFFTON RD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	24	of	63
CONTRACT	PROJECT		
B-42844	1902834		



(36) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(37) Pavement Message Marking, Pre-Formed Plastic, Lane Indication Arrow
(38) Transverse Marking, Thermoplastic, Stop Line, 24"
(39) Transverse Marking, Pre-Formed Plastic, Stop Line, 24"
(40) Transverse Marking, Thermoplastic, Crosswalk Line, 6"
(41) Transverse Marking, Thermoplastic, Crosswalk Line, 24"
(42) Line, Thermoplastic, Solid, White, 4"
(43) Line, Pre-Formed Plastic, Solid, White, 4"
(44) Line, Thermoplastic, Broken, White, 4"
(45) Line, Pre-Formed Plastic, Broken, White, 4"
(46) Line, Thermoplastic, Solid, Yellow, 4"
(47) Line, Pre-Formed Plastic, Solid, Yellow, 4"
(48) Line, Thermoplastic, Broken, Yellow, 4"
(49) Line, Thermoplastic, Dotted, White, 8"

NOT FOR CONSTRUCTION

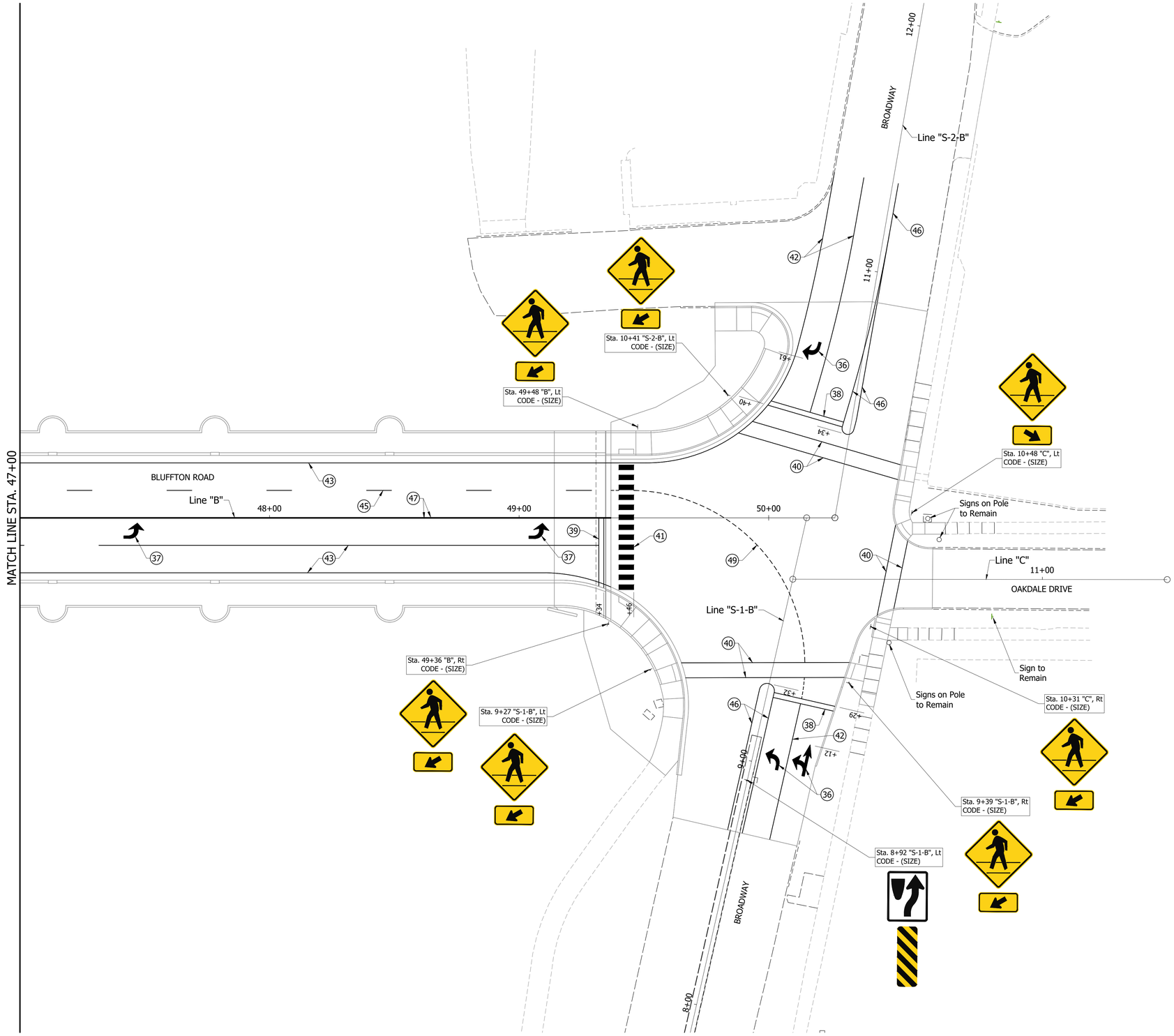
DESIGNED: BMA | DRAWN: CNC
CHECKED: KAM | CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS & SIGNING DETAILS
BLUFFTON RD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	25	of	63
CONTRACT	PROJECT		
B-42844	1902834		



36 Pavement Message Marking, Thermoplastic, Lane Indication Arrow
37 Pavement Message Marking, Pre-Formed Plastic, Lane Indication Arrow
38 Transverse Marking, Thermoplastic, Stop Line, 24"
39 Transverse Marking, Pre-Formed Plastic, Stop Line, 24"
40 Transverse Marking, Thermoplastic, Crosswalk Line, 6"
41 Transverse Marking, Thermoplastic, Crosswalk Line, 24"
42 Line, Thermoplastic, Solid, White, 4"
43 Line, Pre-Formed Plastic, Solid, White, 4"
44 Line, Thermoplastic, Broken, White, 4"
45 Line, Pre-Formed Plastic, Broken, White, 4"
46 Line, Thermoplastic, Solid, Yellow, 4"
47 Line, Pre-Formed Plastic, Solid, Yellow, 4"
48 Line, Thermoplastic, Broken, Yellow, 4"
49 Line, Thermoplastic, Dotted, White, 8"

NOT FOR CONSTRUCTION

DESIGNED:	BMA	DRAWN:	CNC
CHECKED:	KAM	CHECKED:	BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS & SIGNING DETAILS
BLUFFTON RD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	26	of	63
CONTRACT	PROJECT		
B-42844	1902834		

R5-2a
XX" x XX"

R5-2b
XX" x XX"

R3-5L
XX" x XX"

R3-5R
XX" x XX"

R3-6L
XX" x XX"

R3-6R
XX" x XX"

R1-5L
XX" x XX"

R5-2
XX" x XX"

D3(3)
XX" x XX"

D3(4)
XX" x XX"

LEGEND

- 2" Galvanized Steel Conduit
- Intercept (I)
- Handhole
- Existing Steel Strain Pole and Foundation
- Signal Pedestal and Foundation
- Detector Housing
- Existing Disconnect Hanger
- Existing Controller, Cabinet and Foundation
- Existing Handhole
- Existing Traffic Signal Head
- Existing Traffic Signal Head
- Pedestrian Signal Head, Countdown, International Symbols, 18"
- P APS Pedestrian Push Button and Sign
- Detector Loop, 4 Turn Series
- Span/Arm Mounted Traffic Sign
- Span/Arm Mounted Street Name Sign

PHASE DIAGRAM

No Preferentiality
All Flash Red

COLOR CODE FOR UTILITY LOCATIONS

- ELECTRIC
- GAS-OIL-STEAM
- TELEPHONE-CATV
- WATER
- SEWER (SANITARY)
- SEWER (STORM)
- SEWER (COMBINATION)
- PROPOSED CONSTRUCTION

NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC
CHECKED: KAM | CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGNAL PLAN
BLUFFTON RD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS
----	27 of 63
CONTRACT	PROJECT
B-42844	1902834

POLE AND LUMINAIRE SCHEDULE

Luminaire No.		1	2	3	4	5	6	7	8	9	10
Alignment Designation		"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"
Station		46+48.10	47+13.10	47+78.10	48+48.10	46+48.10	47+13.10	47+78.10	48+48.10	46+17.47	46+17.73
Offset		25.62	25.62	25.62	25.62	25.62	25.62	25.62	25.62	20.32	20.32
Left or Right		Lt	Lt	Lt	Lt	Rt	Rt	Rt	Rt	Lt	Rt
Circuit Label		A-1				A-2				A-3	
Circuit Connection Red (R) or Black (B)		R	B	R	B	B	R	B	R	B	B
Top of Foundation Elevation	Ft.	-	-	-	-	-	-	-	-	-	
Luminaire Mounting Height	Ft.								-	-	
Mast Arm Length	In.	Dual Arms, 17.75								-	
Pole Size	Ft.	14.0 X 13.0 x 5.0								-	
Pole Base Type (AN, BK TR, SP)		Anchor Base								Tenon Mount	

LUMINAIRE DESIGN DATA

Luminaire Style		Dual Ornamental Luminaire
Lamp Type		LED Downlight Pendant
Luminaire Classification (IES Distribution)		M-3-C
Catalog Number		2-1910LED/5QRLM18/480PM/2914P5 BCC/3ARC45T3-MDL/1-DBA/BK
Avg. Maintained Horz. Illuminance, E_h	(fc)	1.5
Roadway Classification		Minor Arterial
Uniformity Ratio		3.8:1
System Wattage	(W)	66
Operating Voltage	(V)	120-277
Luminaire Operating Amperage	(A)	1.81
Initial Lamp Lumens (LL)		3,495
Light Loss Factor (LLF)		-
Maintained Lumens (LL X MF)		-
Luminaire Mounting Height (LH)	(ft)	20.0
Calculation Results		
Uniformity Ratio (Avg./Min.)		-
Avg. Illuminance	(fc)	-
Max. Illuminance	(fc)	-
Min. Illuminance	(fc)	-

Intercept existing lighting conduit with new handhole

Luminaire on wall mount tenon bracket attached to Bridge beam #3

Circuit A-1

Beam Line

BLUFFTON ROAD

Underpass Circuit A-3

Luminaire on wall mount tenon bracket attached to Bridge beam #10

Intercept existing lighting conduit with new handhole

Circuit A-2

BROADWAY

OAKDALE DRIVE

45+00 46+00 47+00 48+00 49+00 50+00 44+00 11+00 9+00 8+00

COLOR CODE FOR UTILITY LOCATIONS

- ELECTRIC
- GAS-OIL-STEAM
- TELEPHONE-CATV
- WATER
- SEWER (SANITARY)
- SEWER (STORM)
- SEWER (COMBINATION)
- PROPOSED CONSTRUCTION

NOTES

1. All pole locations shall be per bridge plans.
2. Electrical conduit crossing existing conduits in the field shall have a minimum 1' clearance between conduits.
3. New lighting connects to existing lighting circuits. Contractor to review existing facilities prior to making connections.

LEGEND

- Pull Box, Polymer Concrete in Bridge Railing
- Handhole, Type II, Polymer Concrete unless noted otherwise
- Luminaire and Wall Mount Tendon
- Dual Ornamental Luminaires and Pole
- (#) Luminaire and Pole Number
- 2" Galvanized Steel Conduit
- 4-1/C #4 Copper Wire in Plastic Duct in Conduit

NOT FOR CONSTRUCTION

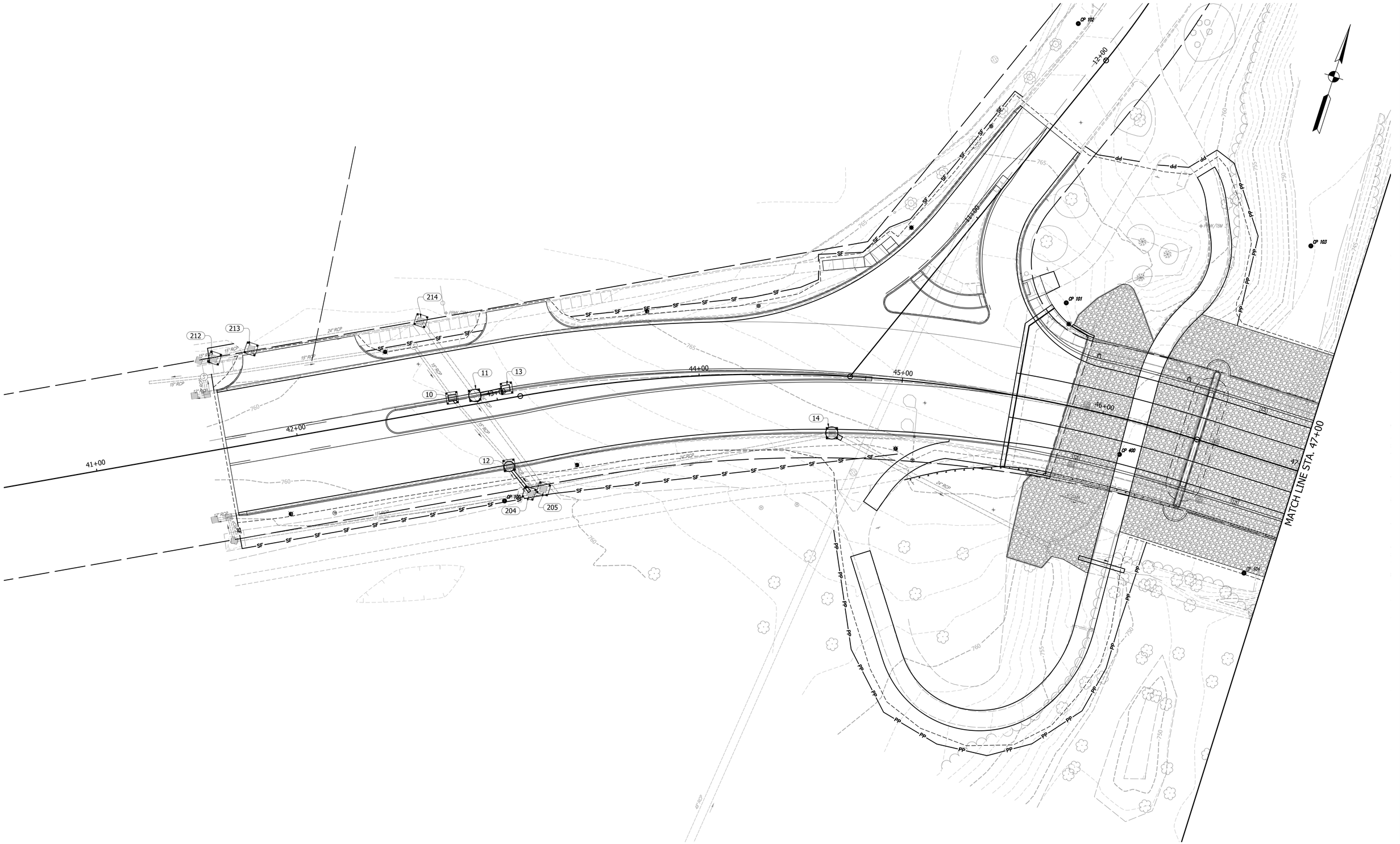
DESIGNED:	BMA	DRAWN:	CNC
CHECKED:	KAM	CHECKED:	BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
BLUFFTON RD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	28	of	63
CONTRACT	PROJECT		
B-42844	1902834		



LEGEND

Temporary Inlet Protection

SF Silt Fence

PP Filter Sock

NOT FOR CONSTRUCTION

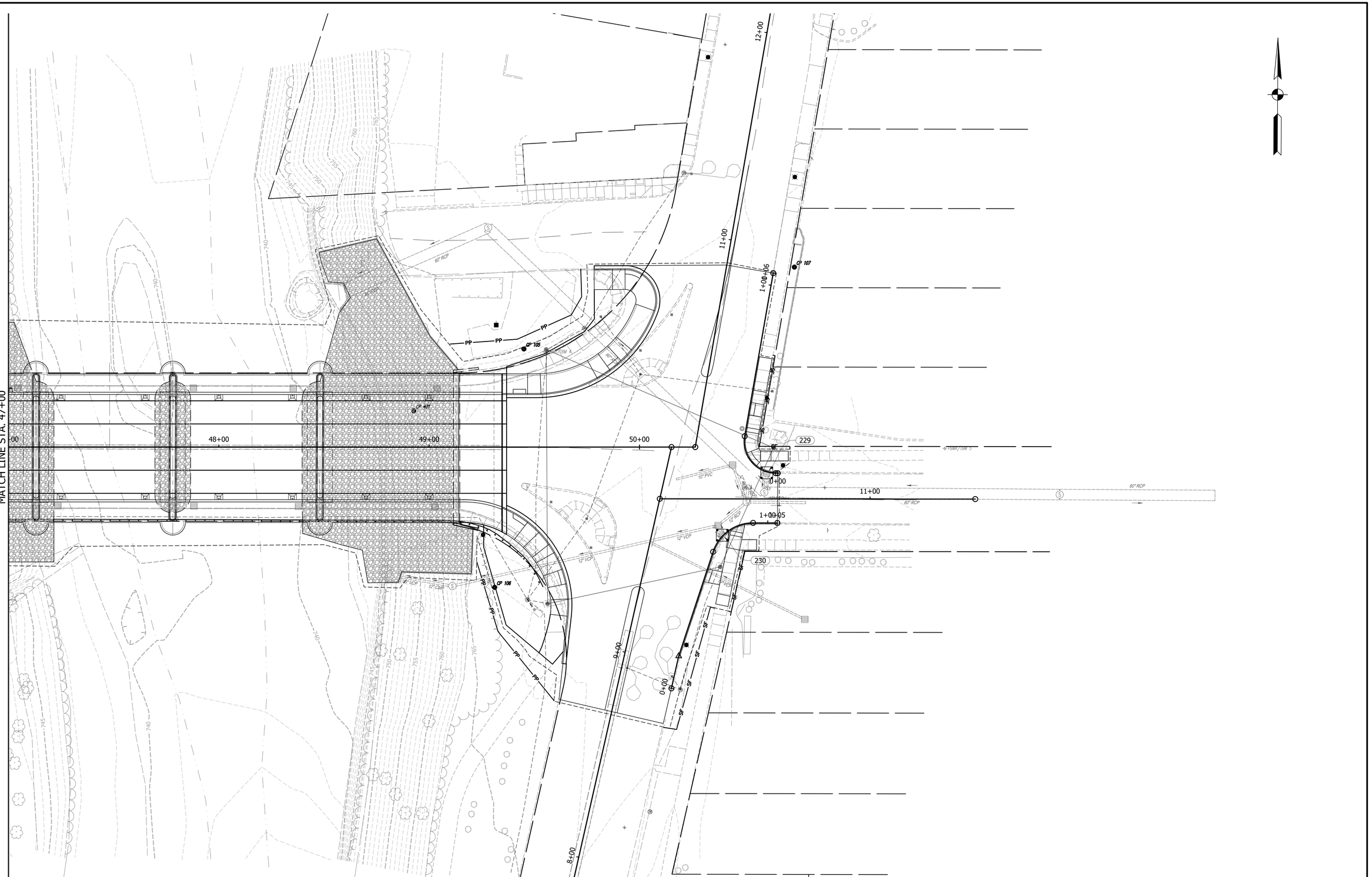
DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
BLUFFTON RD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	29	of	63
CONTRACT	PROJECT		
B-42844	1902834		



NOT FOR CONSTRUCTION

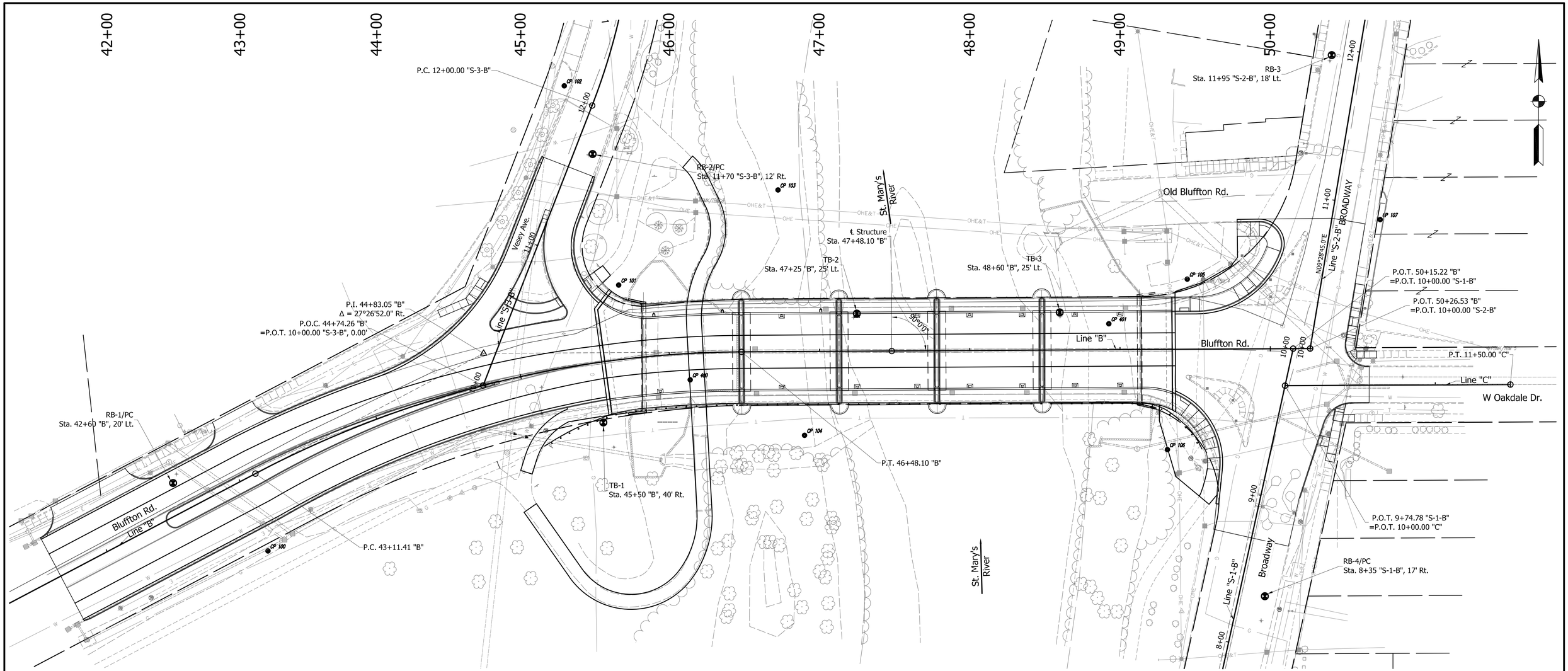
DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
BLUFFTON RD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	30	of	63
CONTRACT	PROJECT		
B-42844	1902834		



SOIL BORING LOCATION PLAN
Scale: 1" = 30'

NOTES:
For soil boring logs see Sheet No. xx.

S:\2019Proj\2019-0009 Fort Wayne Br 358\Plans\Bridge Plans\2019-0009 Soil Boring Details.dwg, 3/14/2022 7:34:05 AM, PDF-36x24.pc3

NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: BDC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834
SURVEY BOOK	SHEETS
----	31 of 63
CONTRACT	PROJECT
B-42844	1902834

LOG OF TEST BORING — TB-1 (Sheet 1 of 2)

Terracon — CLIENT: USI Consultants, Inc. — DES NO.: 1902834 — STRUCTURE #: Allen Co. Bridge No. 358

BORING NO.: TB-1 — SHEET 1 OF 2 — LATITUDE: 41.05193 — LONGITUDE: -85.15841 — DATUM: WGS 84

PROJECT TYPE: Superstructure Replacement
LOCATION: Bluffton Road over Saint Mary's River
COUNTY: Allen — PROJECT NO.: CJ205277
DATE STARTED: 02-09-21 — DATE COMPLETED: 02-11-21

ELEVATION: 766.0 — STATION: 45+50 — OFFSET: 40.0 ft Right — LINE: 'B' — DEPTH: 69.5 ft
BORING METHOD: Hollow Stem Auger* — RIG TYPE: CME 55 CX — CASING DIA.: --- — CORE SIZE: NQ
HAMMER: Auto — DRILLER/INSP: J.P. — TEMPERATURE: 20 °F — WEATHER: Overcast

GROUNDWATER: Encountered at 19.6 ft — At completion NW — 25.0 ft After 24 Hrs

Depth (ft)	Soil/Material Description
0–3.0	**Loam**, soft, moist, dark brown, (fill; visual)
3.0–19.0	**Loam**, very soft to medium stiff, moist, brown, with clay loam seam near 11 ft, with sand and gravel seam near 19 ft, (fill), A-4, Lab No. 30128
19.0–22.0	**Clay Loam**, soft to stiff, moist, gray, with wood and root fibers, (fill; visual)
22.0–26.0	**Peat**, wet, with brick fragments, (fill)
26.0–	**Sand**, loose to very dense, wet, gray, with sandy loam seam near 34 ft, A-2-4 (0), Lab No. 30125

Sample No.	SPT per 6"	% Recovery	Moisture Content	Dry Density, pcf	Pocket Pen., tsf	Unconf. Comp., tsf	LL	PL	PI
SS 1	3-2-3	33	12.5		1.5				
SS 2	3-3-4	67	16.4		1.25 1.25				
SS 3	2-3-3	56	15.9		1.5				
SS 4	1-2-1	83	21.2		0.5				
SS 5	2-3-4	83	20.7		1.0				
SS 6	2-3-3	83	22.1		0.75				
SS 7	2-4-4	67	22.3		1.25				
SS 8	6-3-2	83	131.8 43.1						
SS 9	2-2-9	100	26.9 240.0		1.25				
SS 10	5-4-5	33	65.3						
SS 11	2-2-6	100							
SS 12	6-12-15	100							
SS 13	20-50/6	100							
SS 14	8-6-5	100							

REMARKS:
- 20.0, LOI = 6.1 percent
- 22.0, LOI = 3.1 percent
- 23.0, LOI = 92.9 percent
- 25.0, LOI = 51.1 percent
- 26.0, LOI = 95.9 percent
- 38.5, Blow count not considered

Continued on next page

LOG OF TEST BORING — TB-1 (Sheet 2 of 2)

Terracon — CLIENT: USI Consultants, Inc. — DES NO.: 1902834 — STRUCTURE #: Allen Co. Bridge No. 358 — PROJECT TYPE: Superstructure Replacement

BORING NO.: TB-1 — SHEET 2 OF 2 — LATITUDE: 41.05193 — LONGITUDE: -85.15841 — DATUM: WGS 84

Depth (ft)	Soil/Material Description
–60.0	**Sand**, loose to very dense, wet, gray, with sandy loam seam near 34 ft, A-2-4 (0), Lab No. 30125
60.0–66.5	**Sand and Gravel**, very dense, wet, gray, A-1-b, Lab No. 30127
66.5–69.5	**Limestone**, hard, gray, low to very low bedding planes
	Bottom of Boring at 69.5 ft

Sample No.	SPT per 6"	% Recovery	Moisture Content	Dry Density, pcf	Pocket Pen., tsf	Unconf. Comp., tsf	LL	PL	PI
SS 15	20-18-30	100					NP	NP	NP
SS 16	2-17-18	100							
SS 17	18-28-39	100							
SS 18	18-28-30	100							
SS 19	25-50/4	100							
RC 1 RQD= 60%		67							

REMARKS:
- (continued) representative of in situ conditions due to heaving conditions.
- 43.5, pH = 9.1, SG = 2.72
- 50.0, Pulled off boring on 2/9/21. Resume drilling on 2/11/21. 10 ft of heave observed.
- 63.5, * Begin rotary drilling
- 69.5, Poor water circulation due to low water tank. Boring stopped for safety reasons.

LOG OF TEST BORING — TB-2 (Sheet 1 of 2)

Terracon — CLIENT: USI Consultants, Inc. — DES NO.: 1902834 — STRUCTURE #: Allen Co. Bridge No. 358

BORING NO.: TB-2 — SHEET 1 OF 2 — LATITUDE: 41.05215 — LONGITUDE: -85.15783 — DATUM: WGS 84

PROJECT TYPE: Superstructure Replacement
LOCATION: Bluffton Road over Saint Mary's River
COUNTY: Allen — PROJECT NO.: CJ205277
DATE STARTED: 02-03-21 — DATE COMPLETED: 02-03-21

ELEVATION: 740.0 — STATION: 47+25 — OFFSET: 25.0 ft Left — LINE: 'B' — DEPTH: 40.0 ft
BORING METHOD: Hollow Stem Auger — RIG TYPE: CME 55 CX — CASING DIA.: --- — CORE SIZE: ---
HAMMER: Auto — DRILLER/INSP: J.P. — TEMPERATURE: 22 °F — WEATHER: Overcast

GROUNDWATER: Encountered at Surface — At completion Surface — Caved in at Surface

Depth (ft)	Soil/Material Description
0–3.5	River Bed Deposits
3.5–14.0	**Loam**, hard, moist, gray, with sand seam near 15 ft, A-2-4 (0)/A-4, Lab No. 30126 near 11 ft/30130
14.0–22.0	**Sand**, very dense, wet, gray, A-2-4, Lab No. 30125
22.0–25.0	**Sandy Loam**, very dense, wet, gray, A-2-4, Lab No. 30126
25.0–	**Sand**, dense to very dense, wet, gray, with sandy loam seam near 34 ft, A-2-4, Lab No. 30125

Sample No.	SPT per 6"	% Recovery	Moisture Content	Dry Density, pcf	Pocket Pen., tsf	Unconf. Comp., tsf	LL	PL	PI
SS 2	17-30-35	83	7.9		4.5 4.5				
SS 3	19-28-34	100	8.7	135.4	4.5	2.99			
SS 4	13-34-50/6	100	9.2						
SS 5	12-24-38	67	9.8				NP	NP	NP
SS 6	2-2-11	100							
SS 7	5-13-18	100							
SS 8	6-9-11	100							
SS 9	18-35-50/5	95							
SS 10	15-20-40	83							
SS 11	22-7-18	100							
SS 12	18-23-15	100							

REMARKS:
- 1.0, SS-1 : Not attempted
- 8.5, soluble sulfate < 40 ppm
- 11.0, pH = 9.0, SG = 2.71
- 18.5, Blow count not considered representative of in situ conditions near 14 ft, 19 ft and 27 ft

Continued on next page

LOG OF TEST BORING — TB-2 (Sheet 2 of 2)

Terracon — CLIENT: USI Consultants, Inc. — DES NO.: 1902834 — STRUCTURE #: Allen Co. Bridge No. 358 — PROJECT TYPE: Superstructure Replacement

BORING NO.: TB-2 — SHEET 2 OF 2 — LATITUDE: 41.05215 — LONGITUDE: -85.15783 — DATUM: WGS 84

Depth (ft)	Soil/Material Description
–40.0	**Sand**, dense to very dense, wet, gray, with sandy loam seam near 34 ft, A-2-4, Lab No. 30125
	Bottom of Boring at 40.0 ft

Sample No.	SPT per 6"	% Recovery
SS 13	25-34-35	100
SS 14	17-19-24	100

LOG OF TEST BORING — TB-3 (Sheet 1 of 2)

Terracon — CLIENT: USI Consultants, Inc. — DES NO.: 1902834 — STRUCTURE #: Allen Co. Bridge No. 358

BORING NO.: TB-3 — SHEET 1 OF 2 — LATITUDE: 41.05215 — LONGITUDE: -85.15734 — DATUM: WGS 84

PROJECT TYPE: Superstructure Replacement
LOCATION: Bluffton Road over Saint Mary's River
COUNTY: Allen — PROJECT NO.: CJ205277
DATE STARTED: 02-04-21 — DATE COMPLETED: 02-10-21

ELEVATION: 742.0 — STATION: 48+60 — OFFSET: 25.0 ft Left — LINE: 'B' — DEPTH: 40.0 ft
BORING METHOD: Hollow Stem Auger — RIG TYPE: CME 55 CX — CASING DIA.: --- — CORE SIZE: ---
HAMMER: Auto — DRILLER/INSP: J.P. — TEMPERATURE: 32 °F — WEATHER: Fair

GROUNDWATER: Encountered at Surface — At completion Surface — Caved in at Surface

Depth (ft)	Soil/Material Description
0–3.5	River Bed Deposits, granular debris with wood and brick fragments and limestone fragments
3.5–28.0	**Sand and Gravel**, very loose to very dense, wet, gray, with cohesive sandy loam seam near 18 ft and 22 ft, A-1-b (0), Lab No. 30127
28.0–	**Sand**, medium dense to very dense, wet, gray, A-2-4, Lab No. 30125

Sample No.	SPT per 6"	% Recovery	Moisture Content	Dry Density, pcf	Pocket Pen., tsf	Unconf. Comp., tsf	LL	PL	PI
SS 1	3-9-16	33							
SS 2	13-8-13	67							
SS 3	3-2-3	67							
SS 4	9-19-29	83							
SS 5	8-10-28	100							
SS 6	50/6-50/3	94							
SS 7	24-40-50/3	96	10.4 11.0		2.5				
SS 8	22-32-50/5	95	16.6						
SS 9	15-40-42	100	6.5 8.6		4.5		NP	NP	NP
SS 10	20-31-44	100							
SS 11	18-24-34	100							
SS 12	5-12-27	100							

REMARKS:
- 1.0, LOI = 5.2 percent
- 11.0, soluble sulfate = 220 ppm
- 21.0, pH = 9.1, SG = 2.74

Continued on next page

LOG OF TEST BORING — TB-3 (Sheet 2 of 2)

Terracon — CLIENT: USI Consultants, Inc. — DES NO.: 1902834 — STRUCTURE #: Allen Co. Bridge No. 358 — PROJECT TYPE: Superstructure Replacement

BORING NO.: TB-3 — SHEET 2 OF 2 — LATITUDE: 41.05215 — LONGITUDE: -85.15734 — DATUM: WGS 84

Depth (ft)	Soil/Material Description
–40.0	**Sand**, medium dense to very dense, wet, gray, A-2-4, Lab No. 30125
	Bottom of Boring at 40.0 ft

Sample No.	SPT per 6"	% Recovery
SS 13	3-9-18	100
SS 14	6-6-8	100

LOG OF TEST BORING — RB-1/PC (Sheet 1 of 1)

Terracon — CLIENT: USI Consultants, Inc. — DES NO.: 1902834 — STRUCTURE #: Allen Co. Bridge No. 358

BORING NO.: RB-1/PC — SHEET 1 OF 1 — LATITUDE: 41.05185 — LONGITUDE: -85.15948 — DATUM: WGS 84

PROJECT TYPE: Superstructure Replacement
LOCATION: Bluffton Road over Saint Mary's River
COUNTY: Allen — PROJECT NO.: CJ205277
DATE STARTED: 02-05-21 — DATE COMPLETED: 02-05-21

ELEVATION: 761.0 — STATION: 42+60 — OFFSET: 20.0 ft Left — LINE: 'B' — DEPTH: 10.5 ft
BORING METHOD: Hollow Stem Auger — RIG TYPE: CME 55 CX — CASING DIA.: --- — CORE SIZE: ---
HAMMER: Auto — DRILLER/INSP: J.P. — TEMPERATURE: 16 °F — WEATHER: Overcast

GROUNDWATER: Encountered at NW — At completion NW — Caved in at 7.2 ft

Depth (ft)	Soil/Material Description
0–1.3	**Asphaltic Concrete**
1.3–2.8	**Sandy Loam**, hard, moist, brown, (fill), A-4, Lab No. 30130
2.8–4.3	**Loam**, medium stiff, moist, brown, (possible fill), A-4 (0), Lab No. 30128
4.3–8.0	**Sandy Loam**, medium stiff, moist, brown, A-4, Lab No. 30130
8.0–10.5	**Sand**, medium dense, moist, brown, A-2-4, Lab No. 30125
	Bottom of Boring at 10.5 ft

Sample No.	SPT per 6"	% Recovery	Moisture Content	Dry Density, pcf	Pocket Pen., tsf	Unconf. Comp., tsf	LL	PL	PI
SS 1	7-14-17	67	17.3						
SS 2	5-4-5	67	16.7		1.0 1.25		22	17	5
SS 3	2-4-5	83	17.2		0.75				
SS 4	3-3-4	83	5.1		0.75				
SS 5	4-5-6	83							

REMARKS:
- 1.0, soluble sulfate = 120 ppm
- 2.8, pH = 8.4, SG 2.68

NOTES:
For soil boring location plan see Sheet No. xx.

For additional soil boring logs see Sheet No. xx.

NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: BDC		
CHECKED: KAM	CHECKED: BMA		

INDIANA
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

HORIZONTAL SCALE	BRIDGE FILE
N/A	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834
SURVEY BOOK	SHEETS
----	32 of 63
CONTRACT	PROJECT
B-42844	1902834

LOG OF TEST BORING

Terracon

BORING NO.:	RB-2/PC
SHEET	1 OF 1
CLIENT :	USI Consultants, Inc.
DES NO. :	1902834
STRUCTURE #:	Allen Co. Bridge No. 358
PROJECT TYPE:	Superstructure Replacement
LOCATION	: Bluffton Road over Saint Mary's River
COUNTY	: Allen
PROJECT NO.:	CJ205277
LATITUDE :	41.05245
LONGITUDE :	-85.15846
DATUM :	WGS 84
DATE STARTED	: 02-04-21
DATE COMPLETED :	02-04-21
ELEVATION :	
STATION	: 11+70
OFFSET	: 12.0 ft Right
LINE	: 'S-3-B'
DEPTH	: 10.5 ft
BORING METHOD :	Hollow Stem Auger
RIG TYPE	: CME 55 CX
CASING DIA.	: ---
CORE SIZE	: ---
HAMMER	: Auto
DRILLER/INSP	: J.P.
TEMPERATURE :	32 °F
WEATHER	: Overcast

GROUNDWATER: Encountered at NW; At completion NW; Caved in at 1.3 ft

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS LL	PL	PI	REMARKS
		Asphaltic Concrete (to 1.2)											
	2.5	**Sandy Loam**, medium dense to dense, moist, brown, (fill; visual) (to 4.0)	SS 1	7-14-19	67								
			SS 2	5-7-10	67								
	5.0	**Sandy Clay Loam**, medium stiff, moist, dark brown, with brick fragments, (fill; visual) (to 6.5)	SS 3	8-6-4	67	28.3							
	7.5	**Clay Loam**, medium stiff to soft, moist, brown, with sandy clay loam seam near 10.5 ft, (visual) (to 10.5)	SS 4	4-4-4	67	18.9	106.3	2.0	2.05				
	10.0		SS 5	2-2-2	100	20.7		1.0					
	12.5	Bottom of Boring at 10.5 ft											
	15.0												

EEI BORING LOG (INDOT FORMAT; LAT./LONG. CJ205277.GPJ IN_DOT1.GDT 3/3/22

LOG OF TEST BORING

Terracon

BORING NO.:	RB-3
SHEET	1 OF 1
CLIENT :	USI Consultants, Inc.
DES NO. :	1902834
STRUCTURE #:	Allen Co. Bridge No. 358
PROJECT TYPE:	Superstructure Replacement
LOCATION	: Bluffton Road over Saint Mary's River
COUNTY	: Allen
PROJECT NO.:	CJ205277
LATITUDE :	41.05262
LONGITUDE :	-85.15668
DATUM :	WGS 84
DATE STARTED	: 02-10-21
DATE COMPLETED :	02-10-21
ELEVATION :	
STATION	: 11+95
OFFSET	: 18.0 ft Left
LINE	: 'S-2-B'
DEPTH	: 9.0 ft
BORING METHOD :	Hollow Stem Auger
RIG TYPE	: CME 55 CX
CASING DIA.	: ---
CORE SIZE	: ---
HAMMER	: Auto
DRILLER/INSP	: J.P.
TEMPERATURE :	18 °F
WEATHER	: Overcast

GROUNDWATER: Encountered at NW; At completion NW

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS LL	PL	PI	REMARKS
		Asphaltic Concrete (to 1.0)											
		Granular Subbase, loose, moist, brown, (sand and gravel) (to 2.0)	SS 1	5-5-4	44								
	2.5	**Loam**, medium stiff, moist, brown, A-4, Lab No. 30128 (to 3.0)				19.3							
			SS 2	1-3-4	83	24.3 20.8	103.9	0.75 2.25	1.50				
	5.0	**Clay**, medium stiff to stiff, moist, gray and brown, A-4 (6), Lab No. 30129 (to 9.0)	SS 3	8-7-6	83	20.8 20.0	108.1	4.0					
	7.5		SS 4	7-6-7	100	18.8		4.0		28	18	10	− 6.5, pH = 9.2, SG = 2.77
	10.0	Bottom of Boring at 9.0 ft Boring terminated at 9 ft due to obstruction											
	12.5												
	15.0												

EEI BORING LOG (INDOT FORMAT; LAT./LONG. CJ205277.GPJ IN_DOT1.GDT 3/3/22

LOG OF TEST BORING

Terracon

BORING NO.:	RB-4/PC
SHEET	1 OF 1
CLIENT :	USI Consultants, Inc.
DES NO. :	1902834
STRUCTURE #:	Allen Co. Bridge No. 358
PROJECT TYPE:	Superstructure Replacement
LOCATION	: Bluffton Road over Saint Mary's River
COUNTY	: Allen
PROJECT NO.:	CJ205277
LATITUDE :	41.05160
LONGITUDE :	-85.15685
DATUM :	WGS 84
DATE STARTED	: 02-05-21
DATE COMPLETED :	02-05-21
ELEVATION :	
STATION	: 8+35
OFFSET	: 17.0 ft Right
LINE	: 'S-1-B'
DEPTH	: 10.5 ft
BORING METHOD :	Hollow Stem Auger
RIG TYPE	: CME 55 CX
CASING DIA.	: ---
CORE SIZE	: ---
HAMMER	: Auto
DRILLER/INSP	: J.P.
TEMPERATURE :	16 °F
WEATHER	: Overcast

GROUNDWATER: Encountered at NW; At completion NW; Caved in at 2.2 ft

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS LL	PL	PI	REMARKS
		Asphaltic Concrete (to 0.6)											
		Portland Cement Concrete (to 1.2)											
	2.5	**Sandy Loam**, very soft to soft, moist, gray, A-4 (0), Lab No. 30130 (to 4.0)	SS 1	1-2-2	67	17.3		1.5 1.0					
			SS 2	1-1-2	83	9.1		0.5		NP	NP	NP	− 2.5, pH = 8.3, SG = 2.69, soluble sulfate = 370 ppm
	5.0	**Clay**, stiff to very stiff, moist, brown and gray, A-4, Lab No. 30129 (to 9.0)	SS 3	2-7-7	100	20.0							
	7.5		SS 4	5-10-15	100	17.7		4.0					
	10.0	**Silt**, very stiff, moist, gray, (visual) (to 10.5)	SS 5	8-12-16	100	11.9 13.1							
	12.5	Bottom of Boring at 10.5 ft											
	15.0												

EEI BORING LOG (INDOT FORMAT; LAT./LONG. CJ205277.GPJ IN_DOT1.GDT 3/3/22

NOTES:
For soil boring location plan see Sheet No. xx.

For additional soil boring logs see Sheet No. xx.

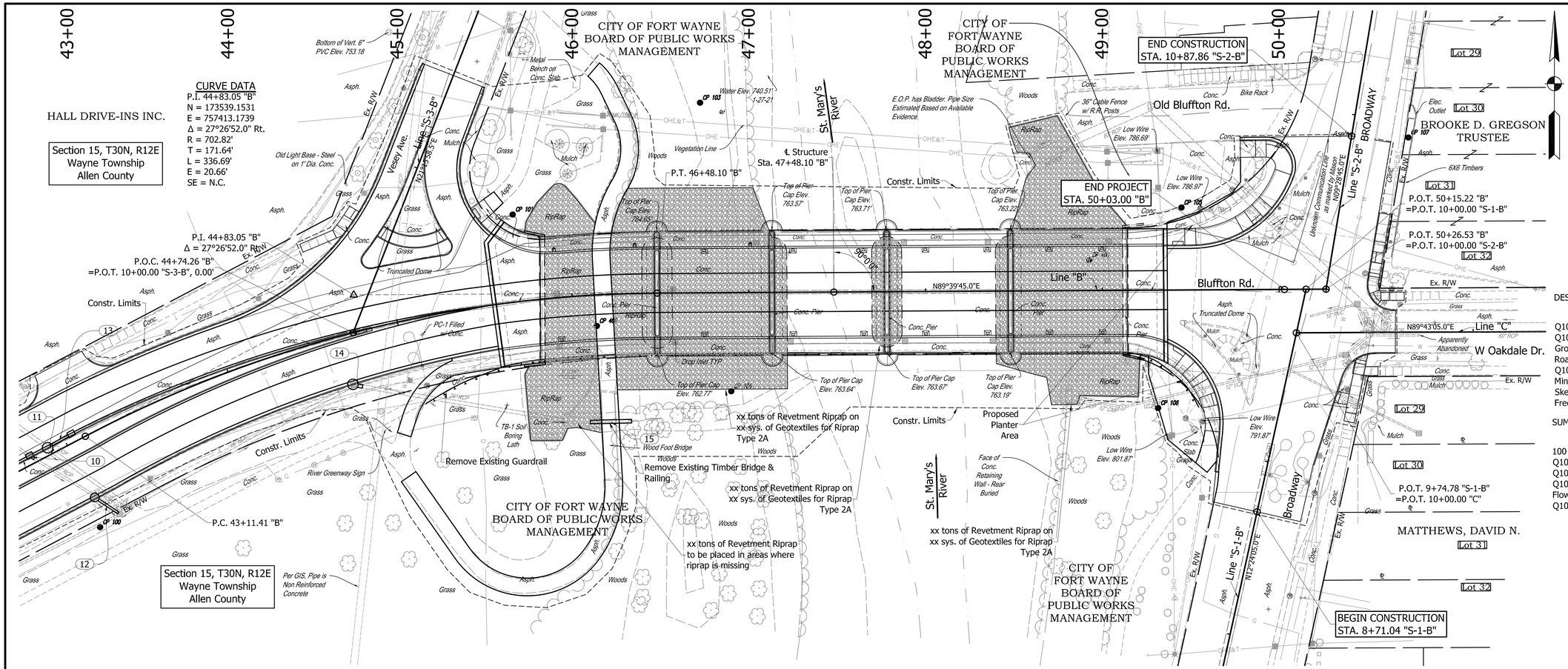
NOT FOR CONSTRUCTION

DESIGNED:	BMA	DRAWN:	BDC
CHECKED:	KAM	CHECKED:	BMA

INDIANA DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

HORIZONTAL SCALE	BRIDGE FILE
N/A	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834
SURVEY BOOK	SHEETS
----	33 of 63
CONTRACT	PROJECT
B-42844	1902834

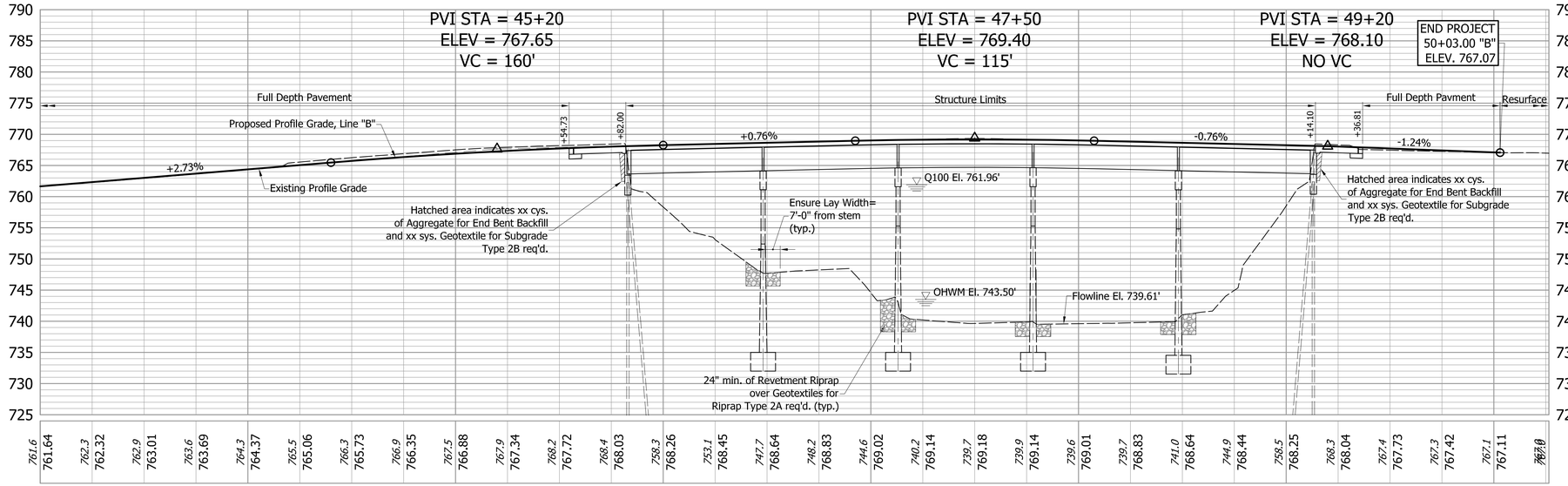


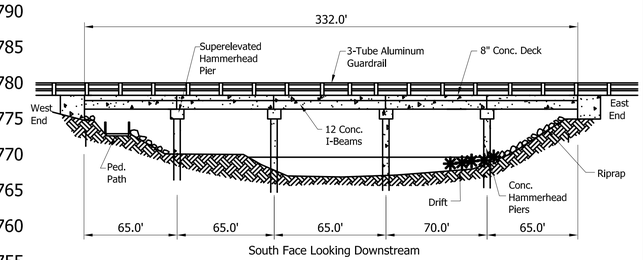
HYDRAULIC DATA

Drainage Area:	808.4 sq. miles
Q100	15,775 cfs
Q100 Elevation	761.96 ft.

DESCRIPTION	Existing Structure	Proposed Structure
Q100 Backwater:	0.17 ft.	0.17 ft.
Q100 Headwater Elev.:	762.18 ft.	762.18 ft.
Gross Waterway Area below Q100:	4057.3 sq. ft.	4057.3 sq. ft.
Road Overflow Waterway Area:	0.00 sq. ft.	0.00 sq. ft.
Q100 Velocity:	4.00 ft./s	4.00 ft./s
Minimum Low Structure Elevation:	761.65 ft.	761.72 ft.
Skew:	0 degrees	0 degrees
Freeboard:	0.00 ft.	0.00 ft.

SUMMARY OF SCOUR DATA	Existing Structure	Proposed Structure
100 Max. Velocity:	N/A ft./s.	5.06 ft./s.
Q100 Contraction Scour Depth:	N/A ft.	16.75 ft.
Q100 Pier Scour Depth:	N/A ft.	6.45 ft.
Q100 Total Scour:	N/A ft.	23.20 ft.
Flowline Elevation:	N/A ft.	739.20 ft.
Q100 Low Scour Elevation:	N/A ft.	716.00 ft.





South Face Looking Downstream

EXISTING STRUCTURE

Five Span Prestressed Concrete I-Beam Bridge
(Superstructure to be Removed)
Not to Scale

CONTINUOUS COMPOSITE PRESTRESSED CONCRETE I-BEAM BRIDGE

5 SPANS: 65'-0, 65'-0, 65'-0", 70'-0', 65'-0", SQUARE
CLEAR ROADWAY WIDTH: 2 @ 28'-0"
BLUFFTON ROAD OVER ST. MARY'S RIVER
ALLEN COUNTY, INDIANA

NOT FOR CONSTRUCTION

DESIGNED: DWB	DRAWN: DWB
CHECKED: BMA	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1"=10'	1902834

SURVEY BOOK	SHEETS		
----	34	of	63
CONTRACT	PROJECT		
B-42844	1902834		

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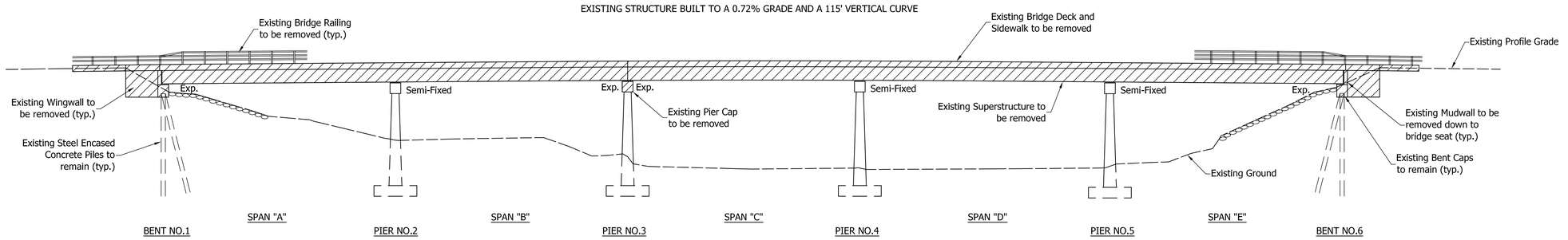
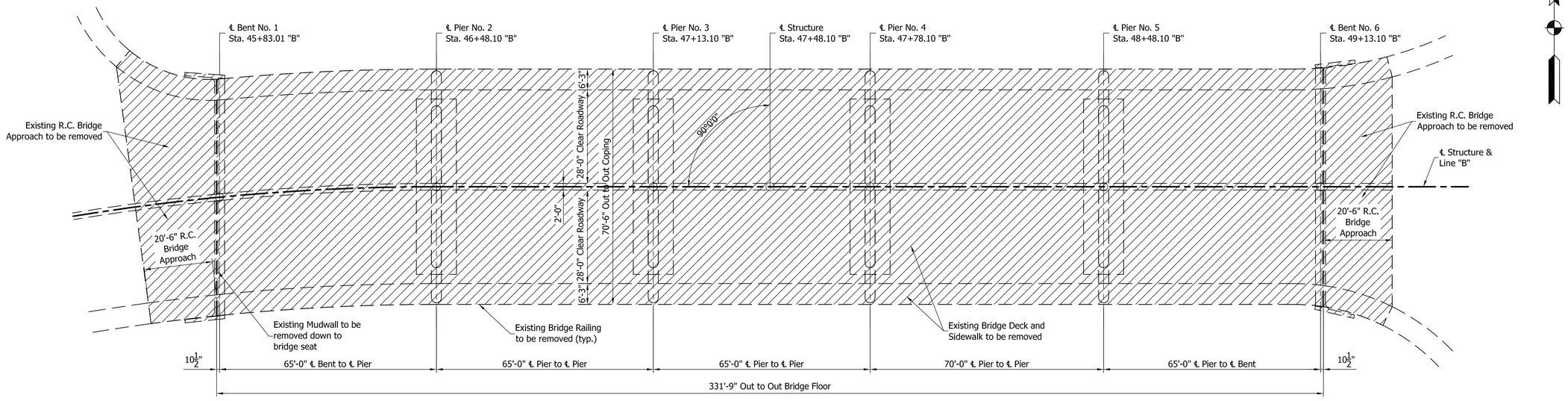
EXISTING STRUCTURE BUILT TO A 0.72% GRADE AND A 115' VERTICAL CURVE



EXISTING ELEVATION

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

NOTE: Hatched area indicates Portions to be Removed



EXISTING PLAN

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

EXISTING CONTINUOUS COMPOSITE PRESTRESSED CONCRETE I-BEAM BRIDGE

5 SPANS: 65'-0, 65'-0, 65'-0", 70'-0', 65'-0", SQUARE
CLEAR ROADWAY WIDTH: 2 @ 28'-0"
BLUFFTON ROAD OVER ST. MARY'S RIVER
ALLEN COUNTY, INDIANA

NOT FOR CONSTRUCTION

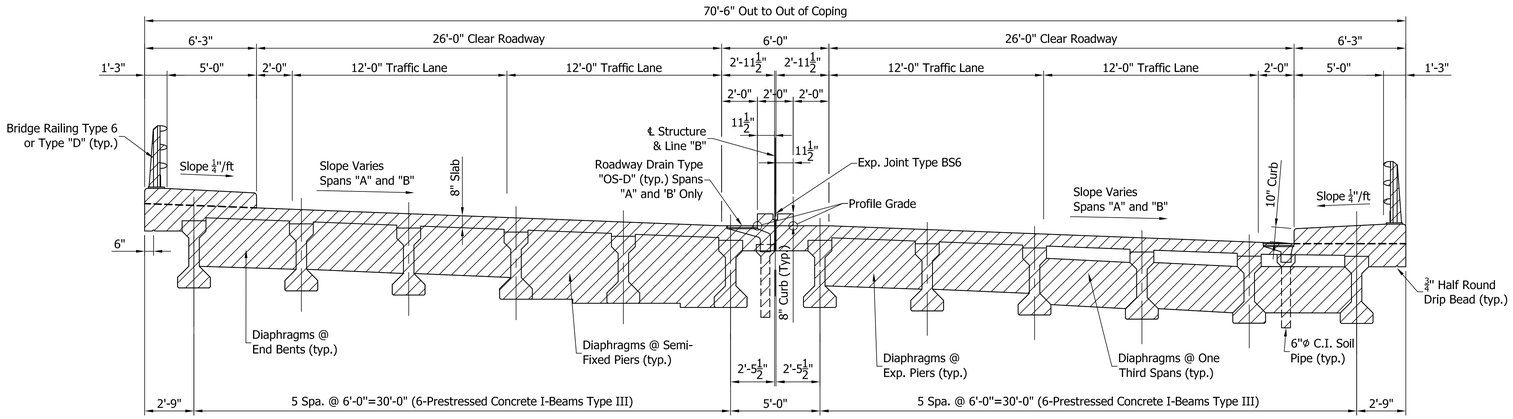
DESIGNED: BMA | DRAWN: DWB
CHECKED: KAM | CHECKED: BMA

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
EXISTING

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

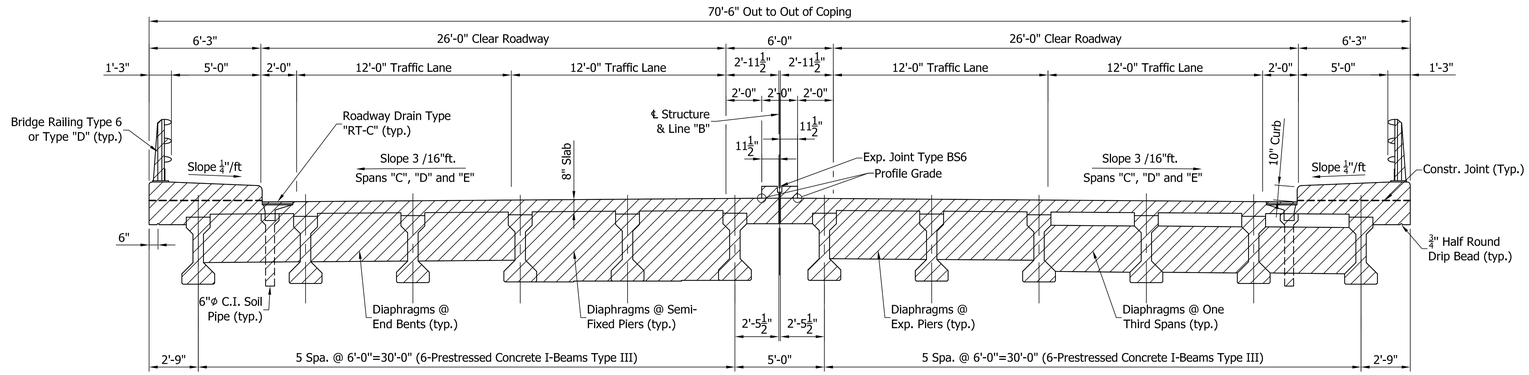
SURVEY BOOK	SHEETS		
----	35	of	63
CONTRACT	PROJECT		
B-42844	1902834		



SECTION "A-A" SUPERELEVATED SPANS "A" and "B"

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

NOTE: Hatched area indicates entire superstructure to be removed



SECTION "A-A" CROWNED SPANS "C", "D" &"E"

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

EXISTING
CONTINUOUS COMPOSITE PRESTRESSED
CONCRETE I-BEAM BRIDGE
5 SPANS: 65'-0, 65'-0, 65'-0", 70'-0', 65'-0", SQUARE
CLEAR ROADWAY WIDTH: 2 @ 28'-0"
BLUFFTON ROAD OVER ST. MARY'S RIVER
ALLEN COUNTY, INDIANA

NOT FOR CONSTRUCTION

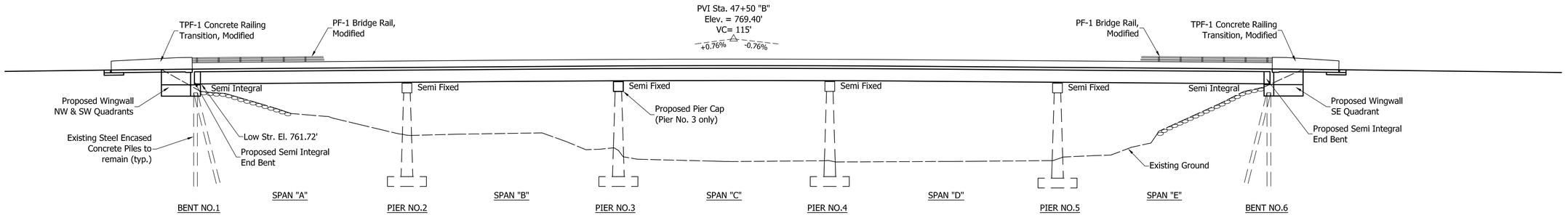
DESIGNED: BMA	DRAWN: DWB
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
EXISTING

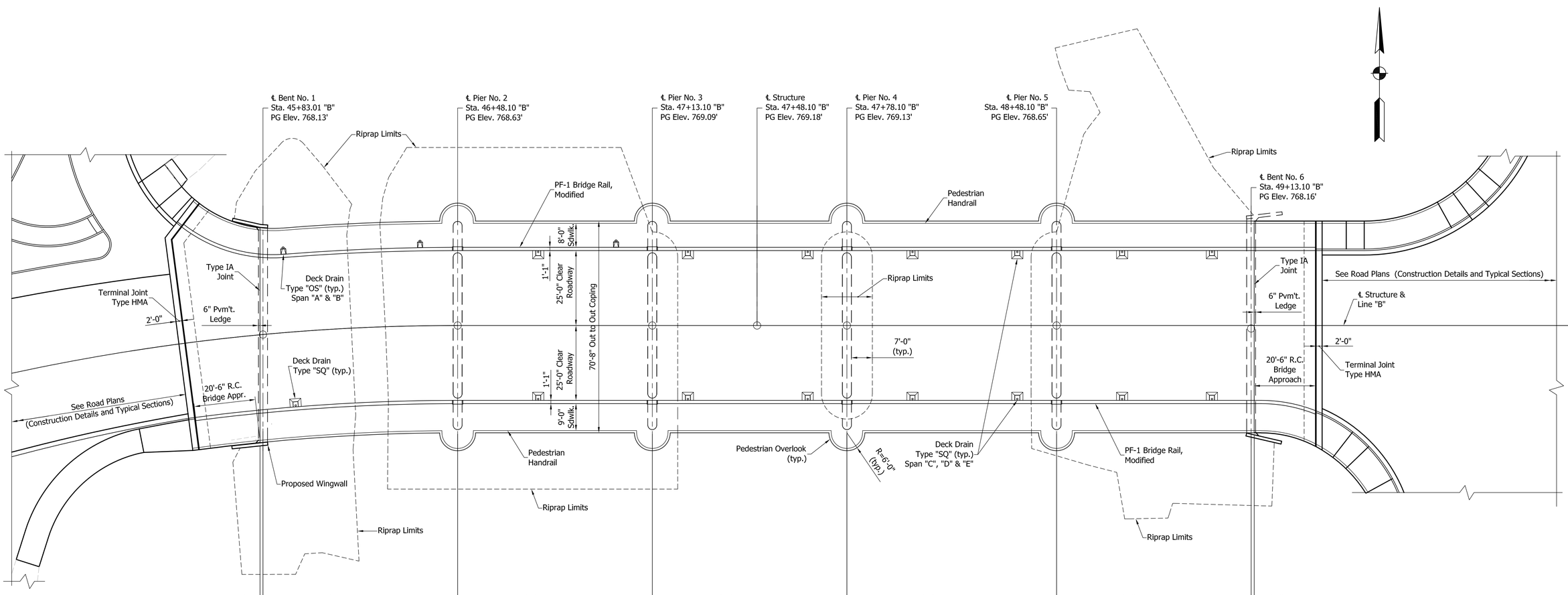
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

SURVEY BOOK	SHEETS
----	36 of 63
CONTRACT	PROJECT
B-42844	1902834



PROPOSED ELEVATION

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



PROPOSED PLAN

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

BRIDGE REHABILITATION
CONTINUOUS COMPOSITE PRESTRESSED CONCRETE I-BEAM BRIDGE

5 SPANS: 65'-0, 65'-0, 65'-0", 70'-0', 65'-0", SQUARE
CLEAR ROADWAY WIDTH: 2 @ 25'-0"
BLUFFTON ROAD OVER ST. MARY'S RIVER
ALLEN COUNTY, INDIANA

NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: DWB
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PROPOSED

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

SURVEY BOOK	SHEETS
----	37 of 63
CONTRACT	PROJECT
B-42844	1902834

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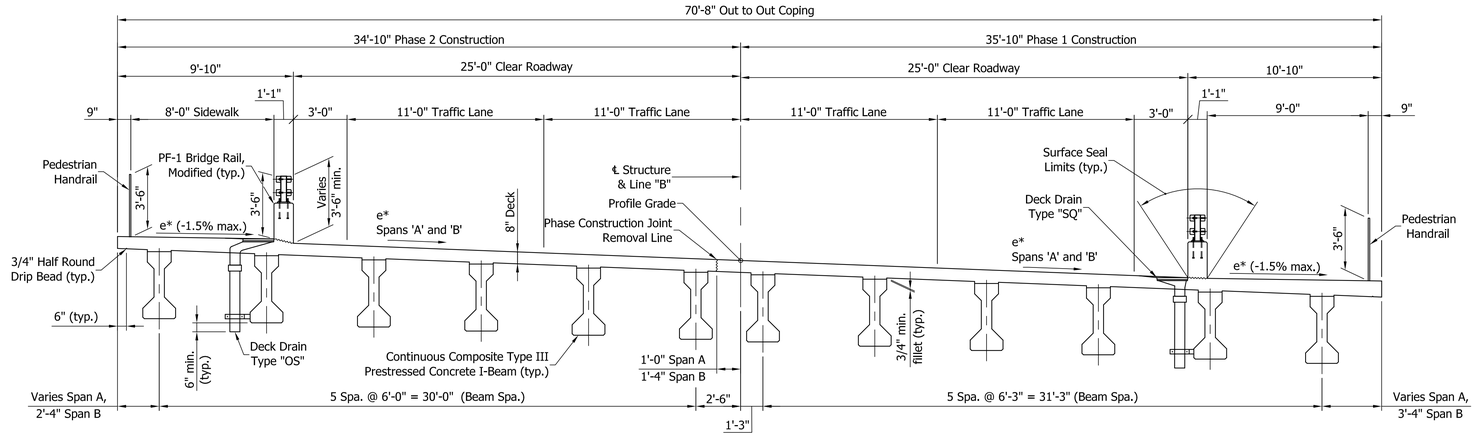
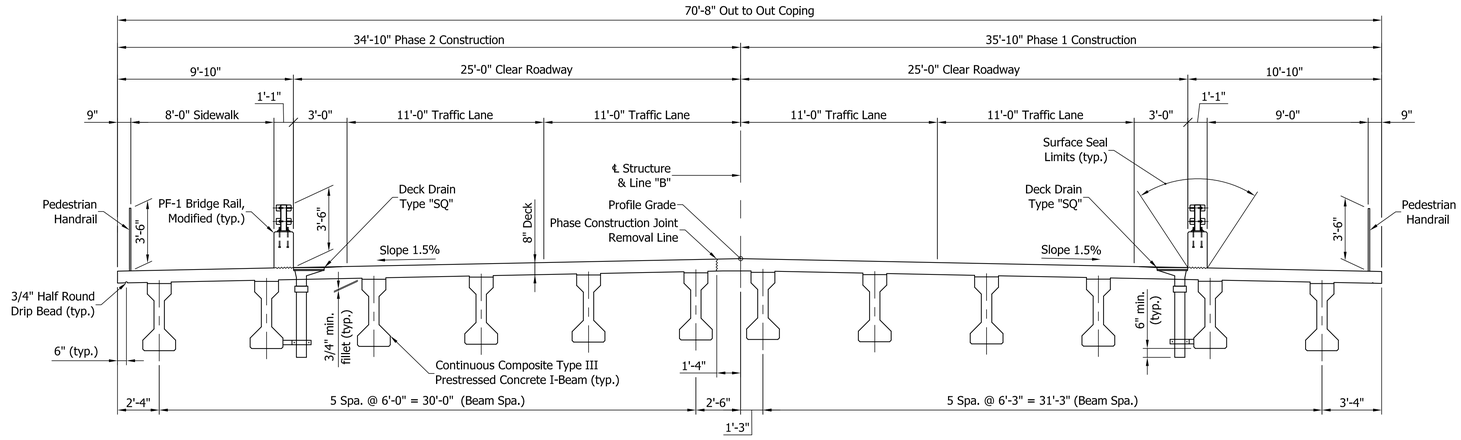


SECTION "A-A" SUPERELEVATED SPANS "A" & "B"

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

*See Super Elevation Diagram



SECTION "A-A" CROWNED SPANS "C", "D" & "E"

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

GENERAL NOTES:

Plans for the existing structure are on file in the City of Fort Wayne Engineering Office, and are available upon request.

Portions of present structure shall be removed as noted.

Where new work is to be fitted to old work, the contractor shall check all dimensions and conditions in the field and report any errors or discrepancies to the engineer and assume responsibility for their correctness and the fit of the new part to the old.

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

Concrete in floor slab, end bents, wingwalls, and concrete barrier railings is to be Class "C". Concrete in the pier caps to be Class "A".

Surface Seal all faces of concrete barrier railing and top of pier caps. Estimated Quantity = XXX Sft

DESIGN DATA:

Piers, footings and piles designed for HS20-44 Truck and Alternate Military Loading in accordance with the 2002 AASHTO Specifications and interim specifications.

Superstructure and end bents designed for HL-93 loading, in accordance with AASHTO LRFD Bridge Design Specifications, 8th Edition, and its subsequent interims.

Designed for actual dead load plus 35 lbs./sft. future wearing surface

Slab designed with 1/2" wearing surface plus 15 lbs./sft. for non-removable forms.

UNIT STRESSES:
Class "C" Concrete F'c = 4000 p.s.i.
Class "A" Concrete F'c = 3500 p.s.i.
Class "B" Concrete F'c = 3000 p.s.i.
Reinforcing Steel (Grade 60) Fy = 60,000 p.s.i.

SEISMIC DESIGN DATA

Seismic Performance	Zone X
Acceleration Coefficient	S_{D1}=0.xx
Seismic Soil Profile	Class X

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 overhang past the edge of the exterior beam. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the beam bottom flange web.

Deck Falsework Loads:
Designed for the 15 lb/sft for permanent metal stay-in-place deck forms, removable deck forms, and 2 feet exterior walkway.

Construction Live Load:
Designed for the 20 lb/sft extending 2 feet past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 inch outside the face of coping over a 30 feet length of the deck centered with the finishing machine.

Finishing Machine Load: 4500 lb. distributed over 10 feet along coping.

Wind Load:
Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

BRIDGE REHABILITATION
CONTINUOUS COMPOSITE PRESTRESSED CONCRETE I-BEAM BRIDGE

5 SPANS: 65'-0, 65'-0, 65'-0", 70'-0", 65'-0", SQUARE
CLEAR ROADWAY WIDTH: 2 @ 25'-0"
BLUFFTON ROAD OVER ST. MARY'S RIVER
ALLEN COUNTY, INDIANA

NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: DWB
CHECKED: KAM | CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PROPOSED

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	ALLEN 358
VERTICAL SCALE	DESIGNATION
AS NOTED	1902834

SURVEY BOOK	SHEETS		
----	38	of	63
CONTRACT	PROJECT		
B-42844	1902834		

SUMMARY OF BRIDGE QUANTITIES

ITEM	CONCRETE CLASS C SUPERSTR	CONCRETE CLASS A SUBSTR	CONCRETE CLASS B IN FTG.	CONCRETE RAILING CLASS C		REINF. STEEL	EPOXY COATED REINF. STEEL	STRUCTURAL MEMBER, CONCRETE I-BEAM, 45" X 16"	SURFACE SEAL **	SUBBASE FOR PCCP	R.C. BRIDGE APPROACH (12")	SUBGRADE TREATMENT, TYPE IC	GEOTEXTILE FOR SUBGRADE TYPE 2B	TERMINAL JOINT, HMA	RAILING, CONCRETE PF-1 MODIFIED	RAILING, STEEL, PF-1 MODIFIED	CONCRETE BRIDGE RAILING TRANSITION, TPF-1 MODIFIED	DECK DRAIN TYPE "OS"	DECK DRAIN TYPE "SQ"	PIPE, ROADWAY DRAIN CASTING EXTENSION	THREADED TIE BAR ASSEMBLY, EPOXY COATED	RIPRAP, REVETMENT	GEOTEXTILE FOR RIPRAP, TYPE 2A	AGGREGATE FOR END BENT BACKFILL	GEOTEXTILE FOR SUBGRADE, TYPE 2B	PIPE, END BENT DRAIN, 6"Ø	
	cys	cys	cys	cys	lft.	lbs.	lbs.	lft.	sft.	cys.	sys.	sys.	sys.	sys.	cys.	lft.	each	each	each	each	each	each	ton	sys.	cys.	sys.	lft.	
SUPERSTRUCTURE	x						x	x	x						x	x		x	x	x	x						
BENT NO. 1	x						x															x	x	x	x	x	
PIER NO. 2																						x	x				
PIER NO. 3		x				x			x													x	x				
PIER NO. 4																						x	x				
PIER NO. 5																						x	x				
BENT NO. 6	x						x															x	x	x	x	x	
WEST APPROACH SLAB							x			x	x	x	x	x			x				x	x					
EAST APPROACH SLAB							x			x	x	x	x	x			x				x	x					
TOTALS	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

** ESTIMATED QUANTITY

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE: COMPACTED AGGREGATE BASE	SURFACE BEYOND R/W LINE: HMA	SURFACE BEYOND R/W LINE: CONCRETE	GRADE 1	GRADE 2	EXCAVATION: CUT	EXCAVATION: FILL	CLEAR ZONE AT DRIVE	QC/QA HMA, 3, 64: SURFACE 9.5 mm lbs./syd.	QC/QA HMA, 3, 64: SURFACE 9.5 mm tons	QC/QA HMA, 3, 64: INTERMD. 19.0 mm lbs./syd.	QC/QA HMA, 3, 64: INTERMD. 19.0 mm tons	QC/QA HMA, 3, 64: BASE 25.0 mm lbs./syd.	QC/QA HMA, 3, 64: BASE 25.0 mm tons	HMA FOR SIDEWALK: SURFACE 9.5 mm lbs./syd.	HMA FOR SIDEWALK: SURFACE 9.5 mm tons	HMA FOR SIDEWALK: INTERMD. 19.0 mm lbs./syd.	HMA FOR SIDEWALK: INTERMD. 19.0 mm tons	PCCP FOR APPROACHES: DEPTH (in.) 9 tons	PCCP FOR APPROACHES: DEPTH (in.) 9	HMA SURFACE 9.5 mm, SHLDR. lbs./syd.	HMA SURFACE 9.5 mm, SHLDR. tons	HMA BASE 25.0 mm, SHLDR. lbs./syd.	HMA BASE 25.0 mm, SHLDR. tons	BITUMINOUS MATERIAL FOR: PRIME COAT	BITUMINOUS MATERIAL FOR: TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53 DEPTH (in.) 6	COMPACTED AGGREGATE FOR BASE NO. 53 DEPTH (in.) 8	COMPACTED AGGREGATE FOR SURFACE NO. 73 DEPTH (in.) 16	COMPACTED AGGREGATE FOR SURFACE NO. 73 DEPTH (in.)	SUBGRADE TREATMENT TYPE II	SUBGRADE TREATMENT TYPE IV	JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	JOINT SEALANT
		ft.	ft.	ft.	ft.	tons	tons	sft.	%	%	cys	cys	ft.	lbs./syd.	tons	lbs./syd.	tons	lbs./syd.	tons	lbs./syd.	tons	lbs./syd.	tons	tons		lbs./syd.	tons	lbs./syd.	tons	syd	tons	tons	tons	tons	tons	sys.	sys.	lft.	lft.	lft.
Sta. 41+65.00 to Sta. 50+03.00 "B"	Mainline													165	x	495	x	660	x												x	x	x			x	x	x	x
Sta. 10+30.11 to Sta. 11+56.23 "S-3-B"	Mainline													165	x	495	x	660	x												x	x	x			x	x	x	x
Sta. 0+00 to Sta. 4+07 "P"	Multi-Use Path																			110	x	220																		
Sta. 42+08, Lt.	Class III Drive																								x											x				
Sta. 43+17, Lt.	Class III Drive																								x											x				
TOTALS															x		x		x		x				x						x	x				x	x	x	x	x

BENCHMARK

QTY.	LOCATION
1	SEE SPECIAL PROVISIONS

NOT FOR CONSTRUCTION

DESIGNED: BMA DRAWN: BDC

CHECKED: KAM CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

BRIDGE AND ROAD SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
N/A	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834
SURVEY BOOK	SHEETS
----	39 of 63
CONTRACT	PROJECT
B-42844	1902834

STRUCTURE DATA TABLE

STRUCTURE NUMBER	LOCATION			SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	RIM ELEVATION	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1		REVETMENT RIPRAP	GEOTEXTILES	CONCRETE, CLASS A, FOR STRUCTURES	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	CULVERT ASSET ID	REMARKS
	STATION	LEFT, RIGHT OR CROSS	OFFSET								UP STREAM	DOWN STREAM																		
			FT	IN			LFT			LFT	ELEV	ELEV	YRS				CYS		TONS	SYS	CYS	EA	TYPE	SLOPE	EA	SLOPE	EA			
	Proposed Structures																													
10	42+78 "B"	Lt	5.0	15	2	Inlet Type "M-10"	2	761.43			755.42	755.42	75	N	7															
11	42+90 "B"	Lt	4.2	24	2	Manhole Type "J-10"	1	761.64			755.40	755.39	75	N	7															
12	43+00 "B"	Rt	33.1	15	2	Manhole Type "C-10"	14	761.09			755.33	755.13	75	N	7															
13	43+05 "B"	Lt	5.0	15	2	Inlet Type "J-10"	12	761.97			757.47	757.42	75	N	7														11	
14	44+67 "B"	Rt	28.6	24	2	Manhole Type "J-10"	4	764.66			755.02	754.97	75	N	7															
15	46+06 "B"	Rt	71.6	24	1	Type 1 Pipe	23	---			750.92	749.29	75	N	7							2								
	Existing Structures																													
201	41+53 "B"	Rt	33.6			Existing Inlet																								No Change Req'd.
202	41+60 "B"	Rt	33.6			Existing Inlet																								No Change Req'd.
203	41+61 "B"	Rt	45.5			Existing Inlet																								No Change Req'd.
204	43+08 "B"	Rt	48.1			Existing Inlet																								Connect Proposed 15" Pipe (Str No. 12)
205	43+15 "B"	Rt	47.0			Existing Inlet																								No Change Req'd.
207	44+67 "B"	Rt	28.6			Existing Inlet																								Remove Inlet
208	41+54 "B"	Lt	28.2			Existing Inlet																								No Change Req'd.
209	41+60 "B"	Lt	27.7			Existing Inlet																								No Change Req'd.
210	41+60 "B"	Lt	36.4			Existing Manhole																								No Change Req'd.
211	41+59 "B"	Lt	44.8			Existing Inlet																								No Change Req'd.
212	41+66 "B"	Lt	44.6			Existing Inlet																								No Change Req'd.
213	41+85 "B"	Lt	45.9			Existing Inlet																								No Change Req'd.
214	42+70 "B"	Lt	45.0			Existing Inlet																								No Change Req'd.
215	42+78 "B"	Lt	5.0			Existing Inlet																								Remove Inlet
228	10+35 "C"	Lt	16.2			Existing Inlet																								Adjust Casting to Grade
229	10+51 "C"	Lt	12.2			Existing Inlet																								Furnish Casting and Adjust to Grade
230	10+30 "C"	Rt	17.2			Existing Inlet																								Furnish Casting and Adjust to Grade
231	9+69 "S-1-B"	Rt	29.9			Existing Inlet																								Adjust Casting to Grade
232	10+41 "C"	Rt	1.5			Existing Inlet																								Adjust Casting to Grade
233	10+50 "C"	Lt	3.1			Existing Manhole																								Adjust Casting to Grade
234	9+13 "S-1-B"	Lt	87.1			Existing Manhole																								No Change Req'd.
235	49+28 "B"	Lt	104.4			Existing Manhole																								No Change Req'd.
237	42+64 "B"	Lt	33.5			Existing Manhole																								No Change Req'd.

NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

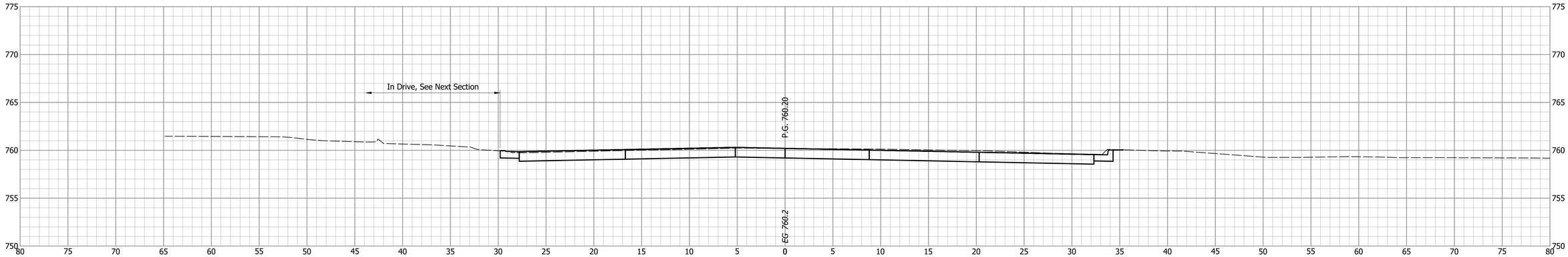
INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE
BLUFFTON RROAD / BROADWAY

HORIZONTAL SCALE	BRIDGE FILE
N/A	ALLEN 358
VERTICAL SCALE	DESIGNATION
N/A	1902834

SURVEY BOOK	SHEETS		
----	40	of	63
CONTRACT	PROJECT		
B-42844	1902834		

41+75



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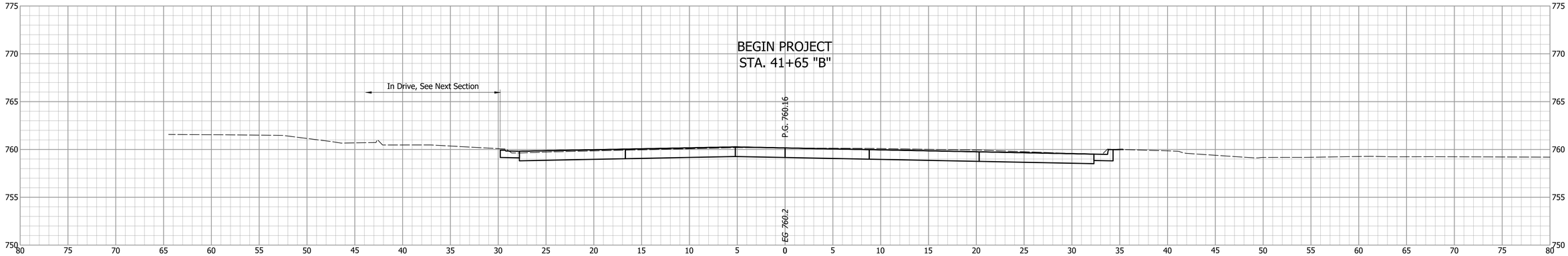

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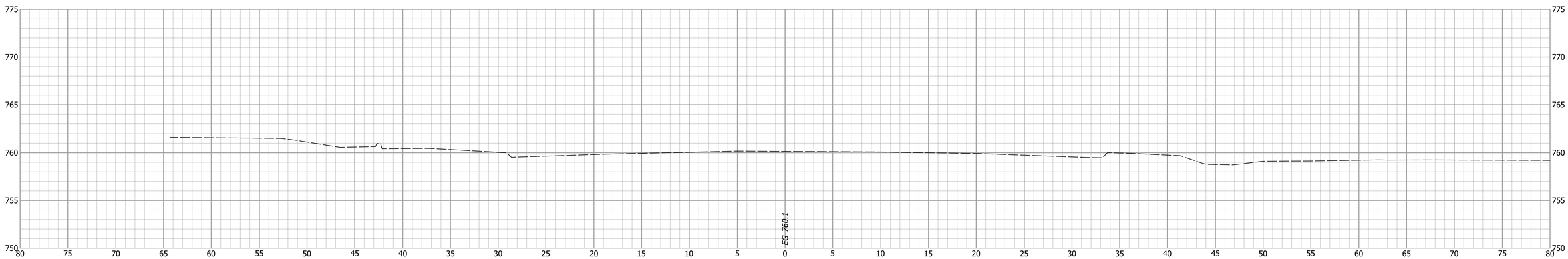


NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

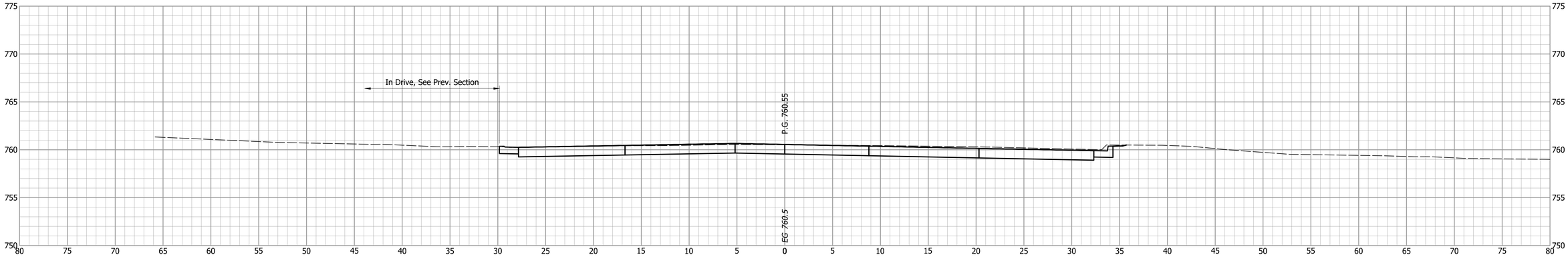
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	41 of 63
CONTRACT	PROJECT
B-42844	1902834

42+25



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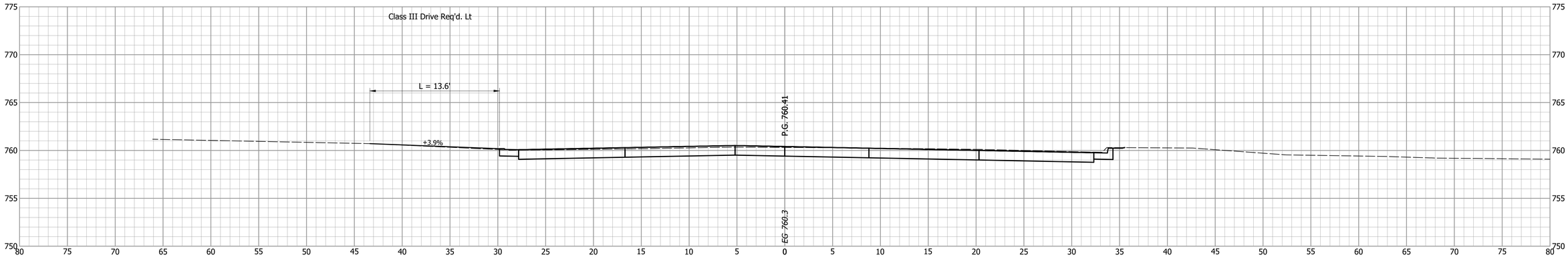

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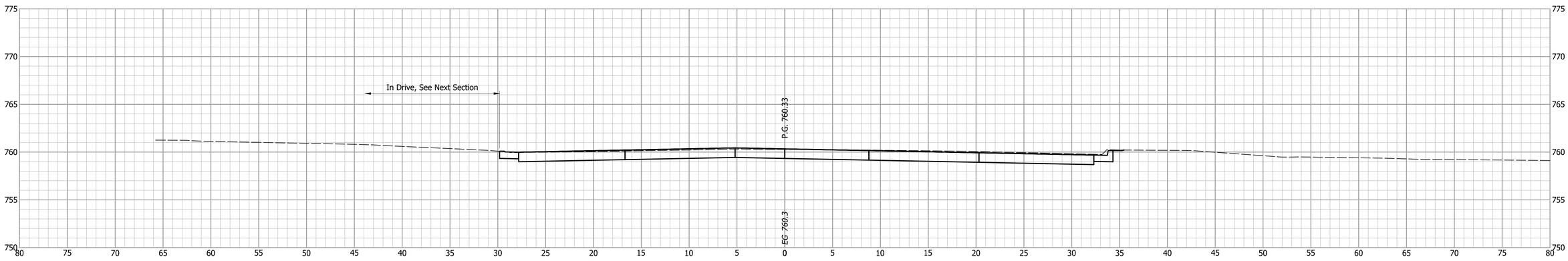


NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

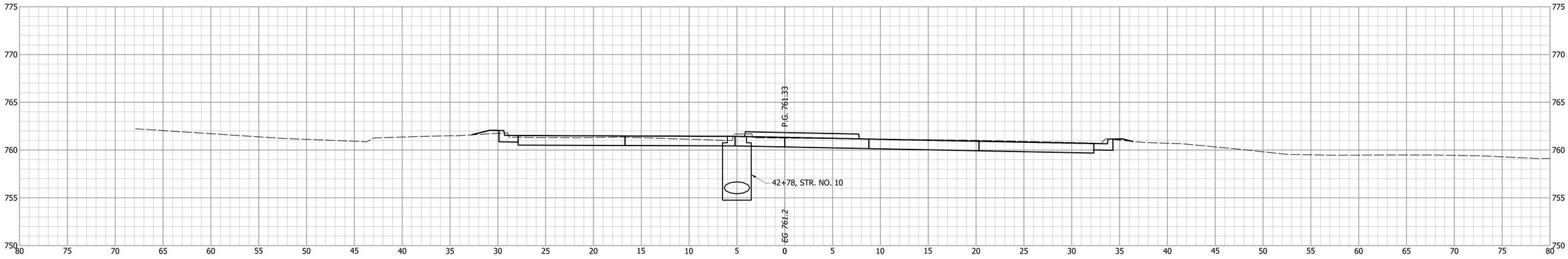
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	42	of	63
CONTRACT	PROJECT		
B-42844	1902834		

42+78.4



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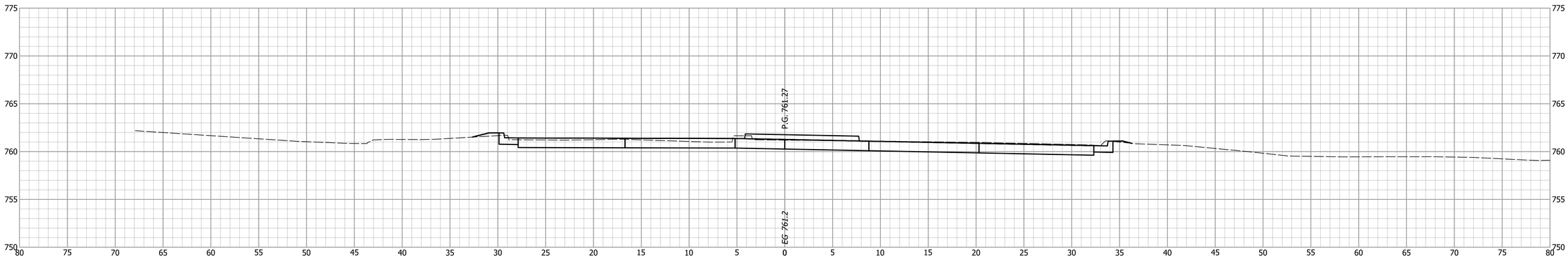

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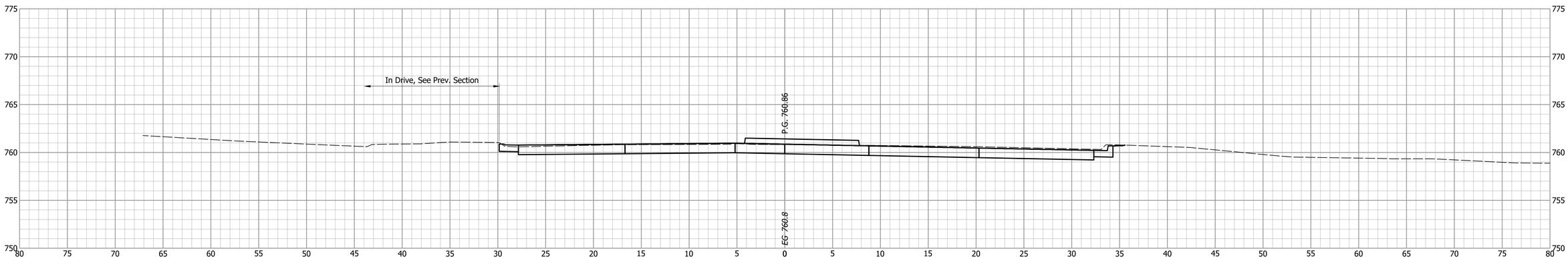


NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

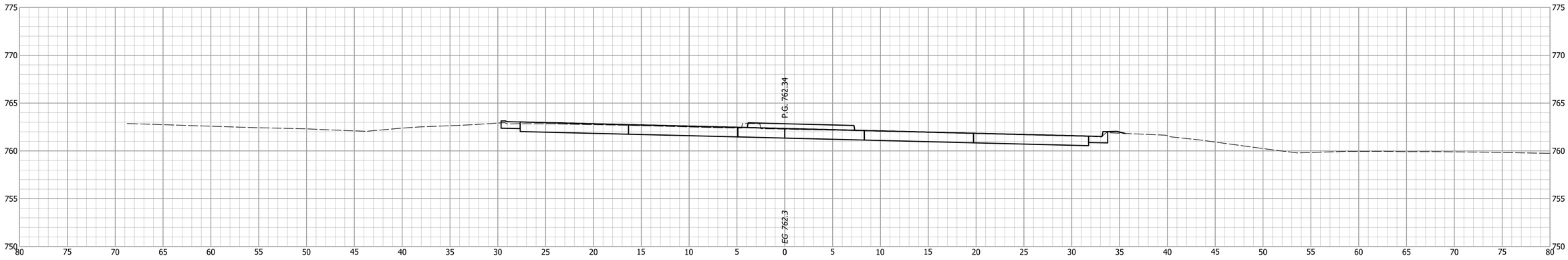
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	43	of	63
CONTRACT	PROJECT		
B-42844	1902834		

43+25



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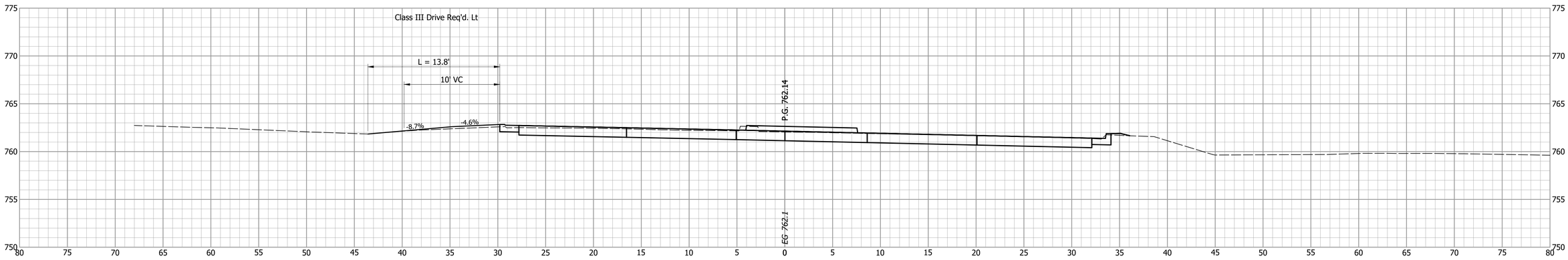

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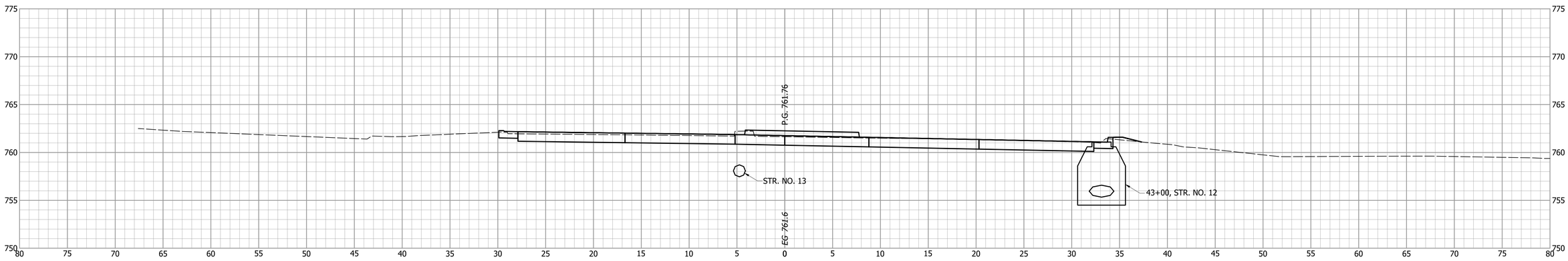


NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

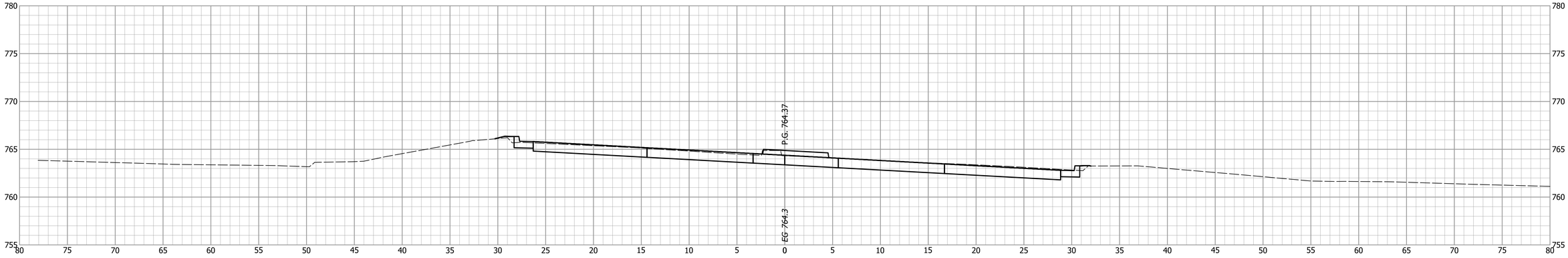
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	44	of	63
CONTRACT	PROJECT		
B-42844	1902834		

44+00



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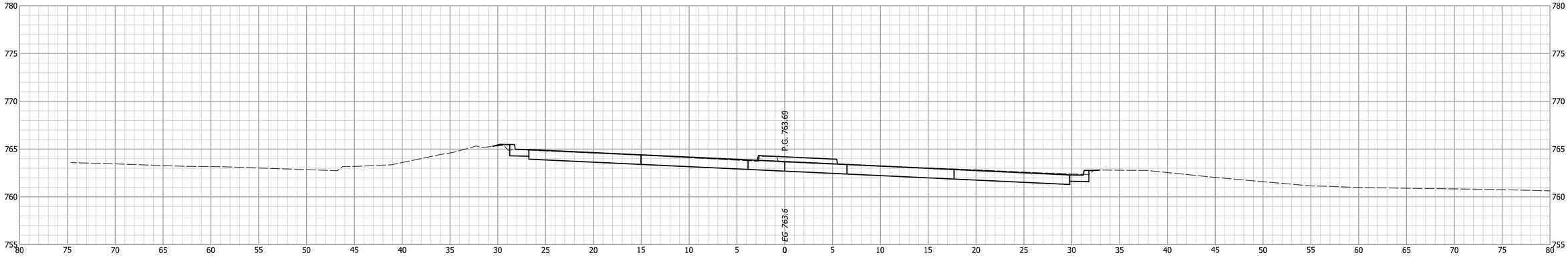

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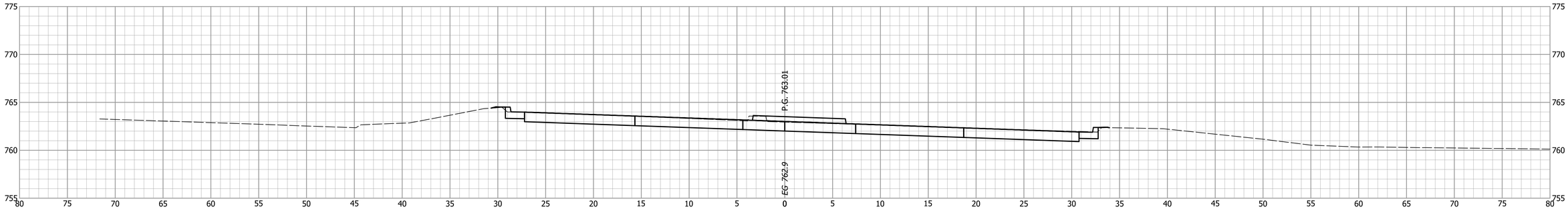


NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

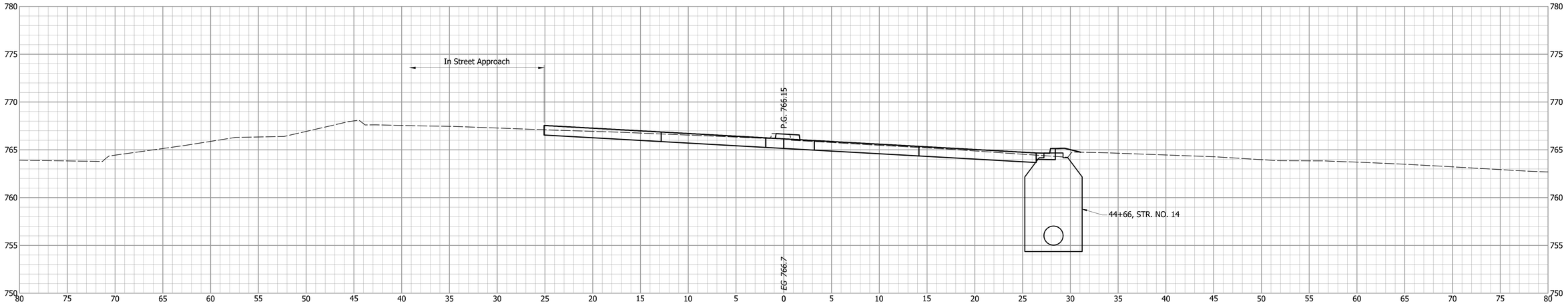
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	45 of 63
CONTRACT	PROJECT
B-42844	1902834

44+66.5



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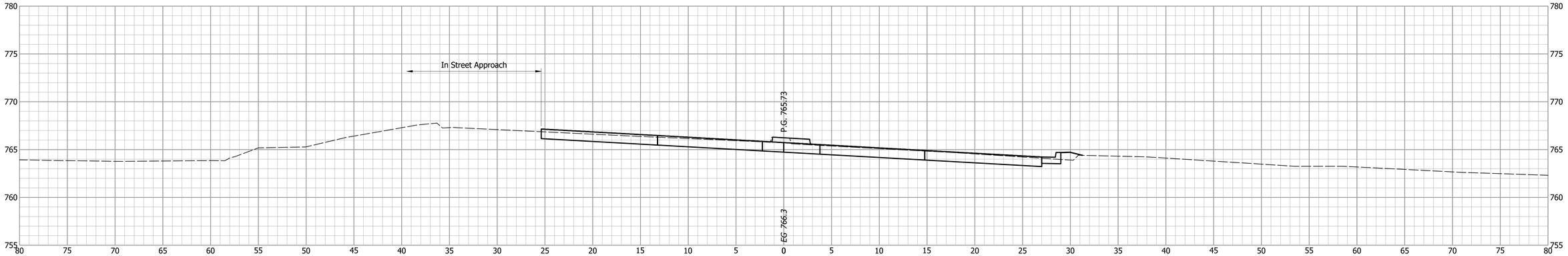

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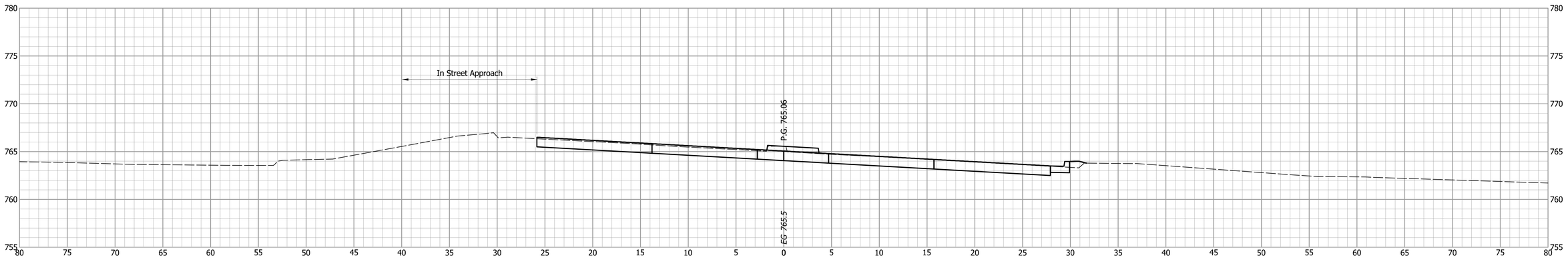


NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

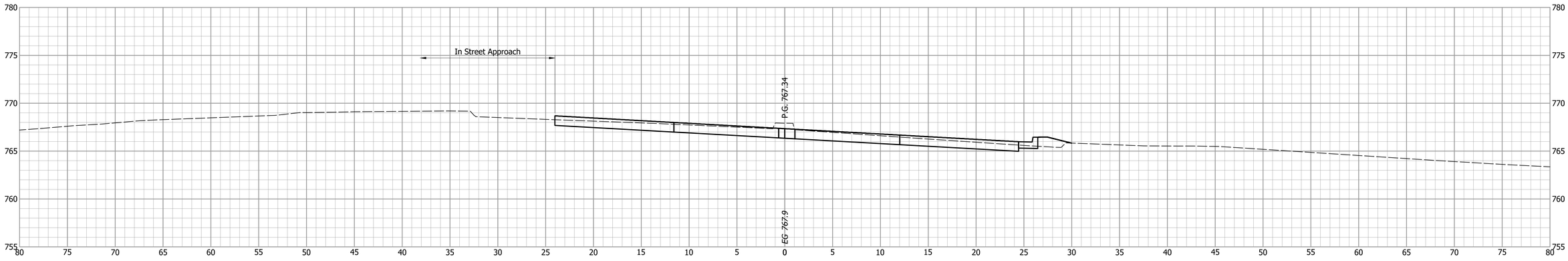
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	46 of 63
CONTRACT	PROJECT
B-42844	1902834

45+25



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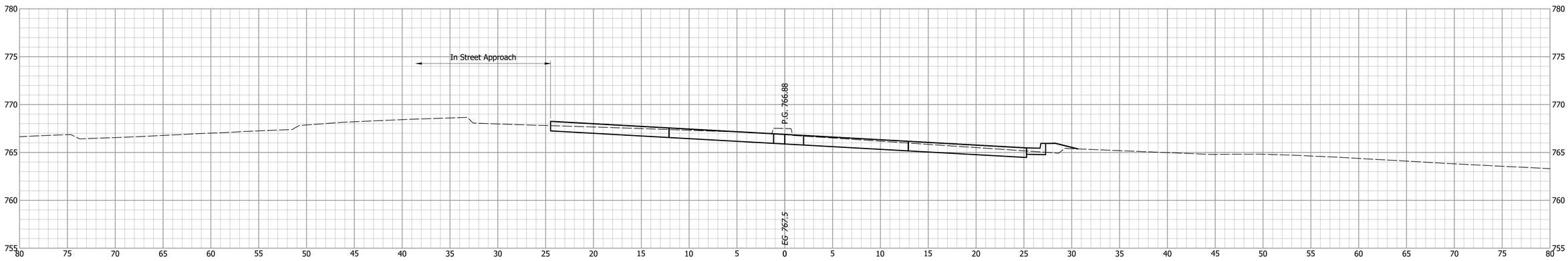

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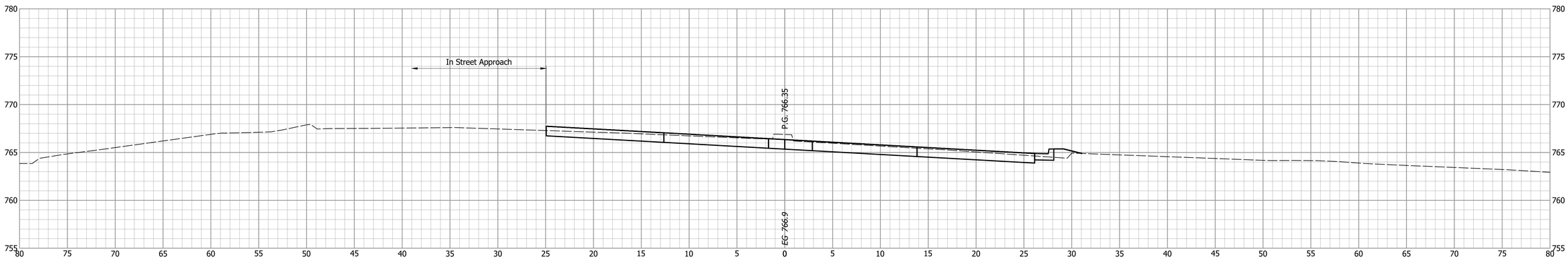


NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

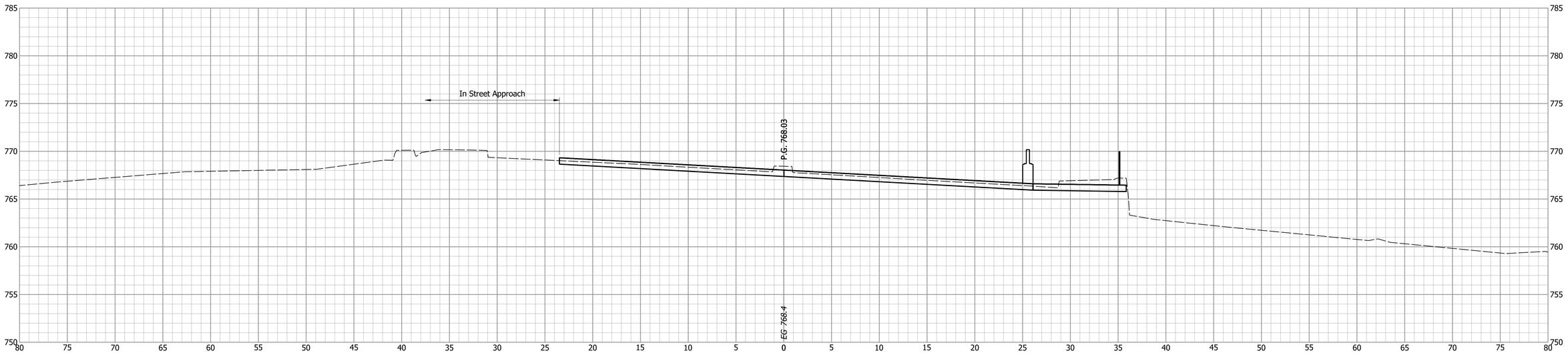
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	47	of	63
CONTRACT	PROJECT		
B-42844	1902834		

45+75



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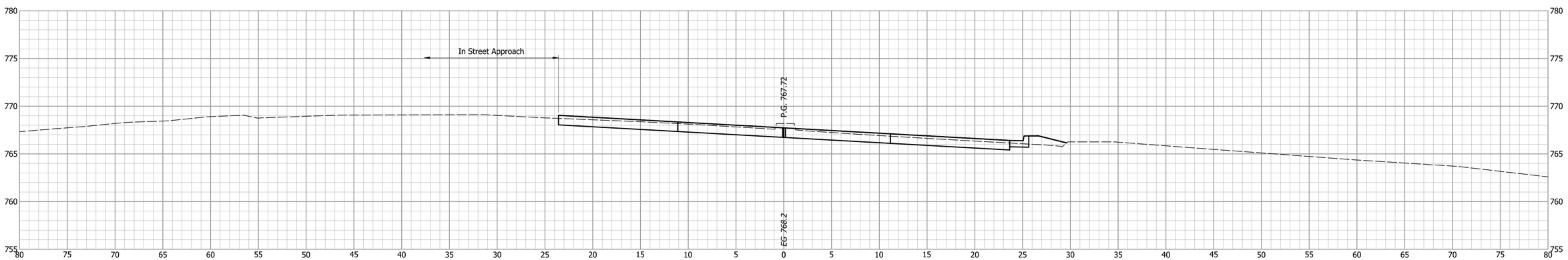


NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

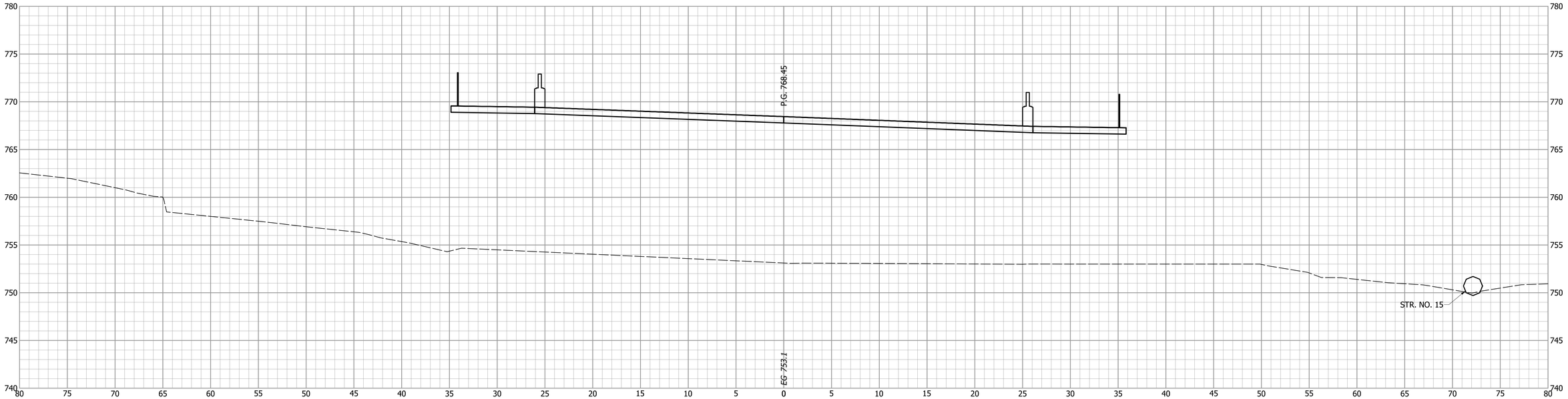
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

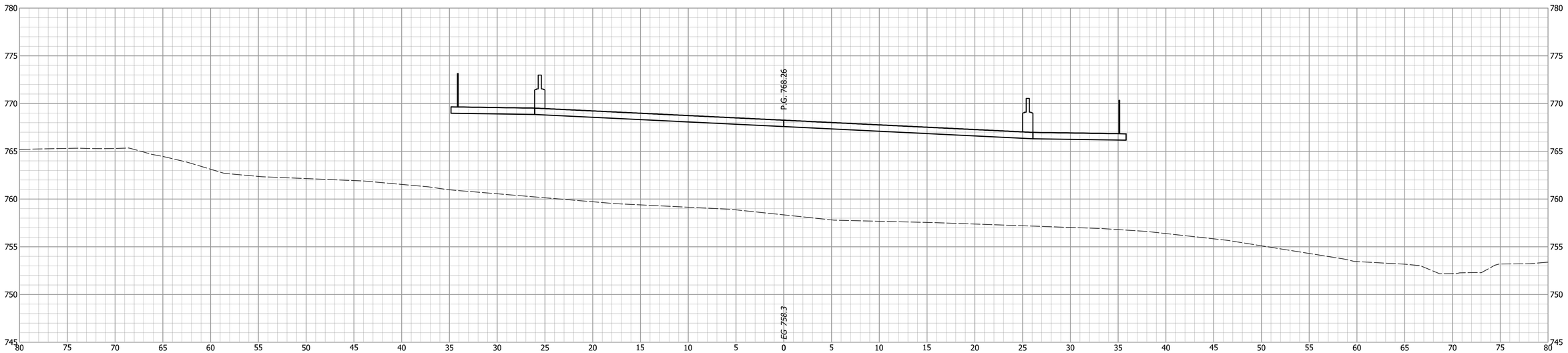
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	48	of	63
CONTRACT	PROJECT		
B-42844	1902834		

46+25



46+00



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

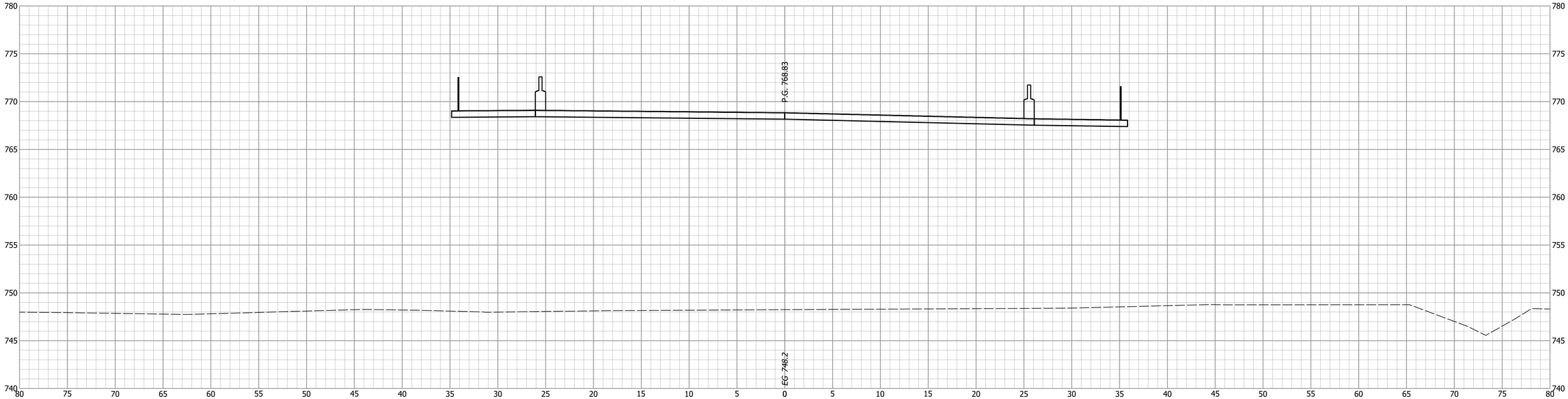
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

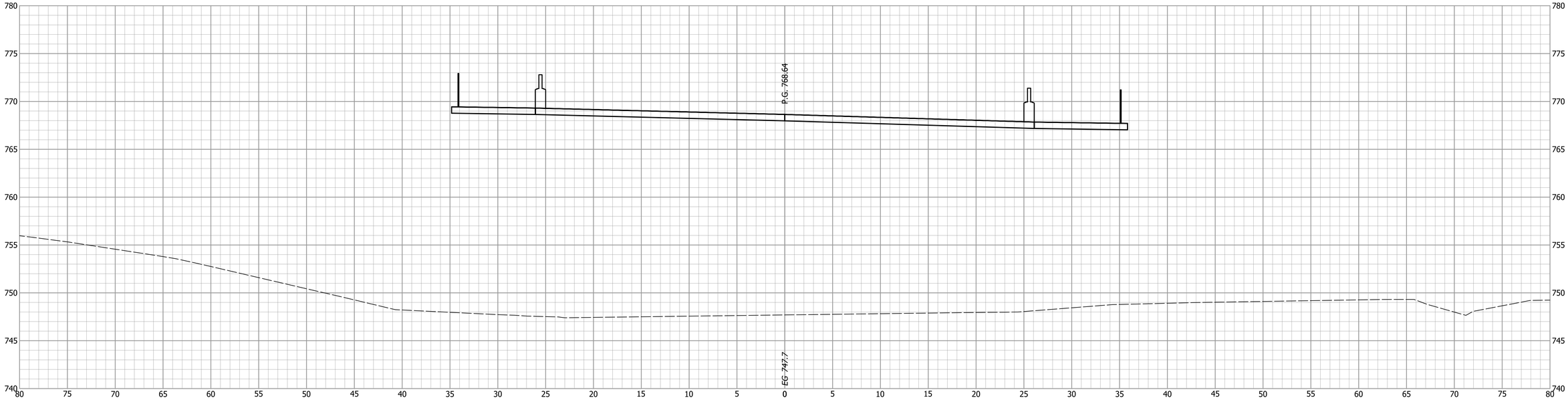
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	49	of	63
CONTRACT	PROJECT		
B-42844	1902834		

46+75



46+50



NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

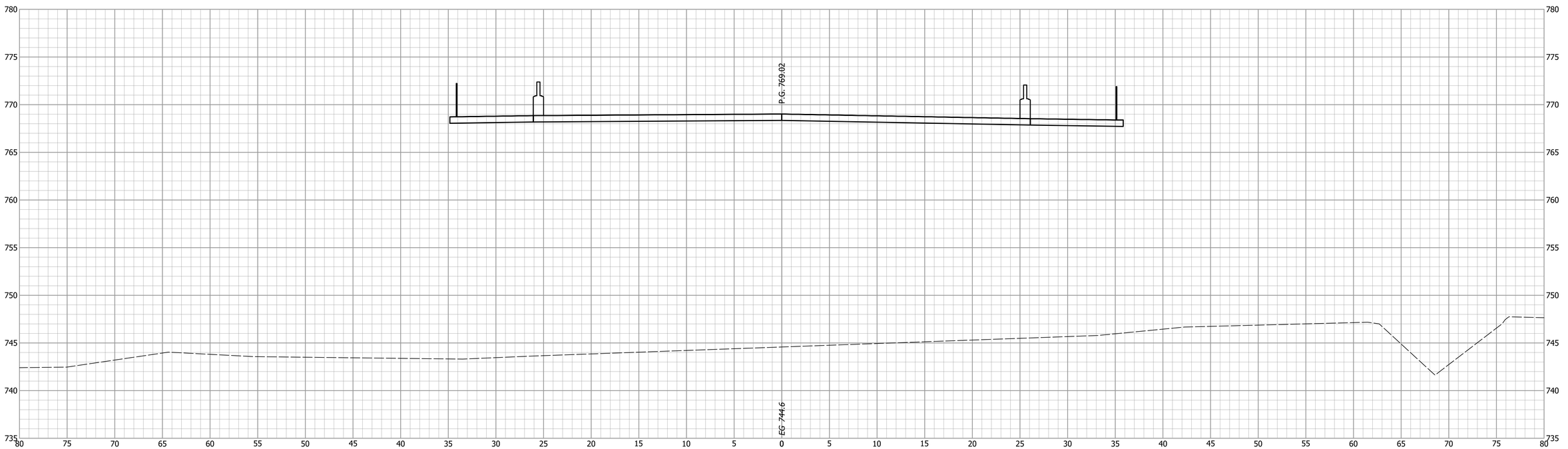
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	50 of 63
CONTRACT	PROJECT
B-42844	1902834

47+00



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

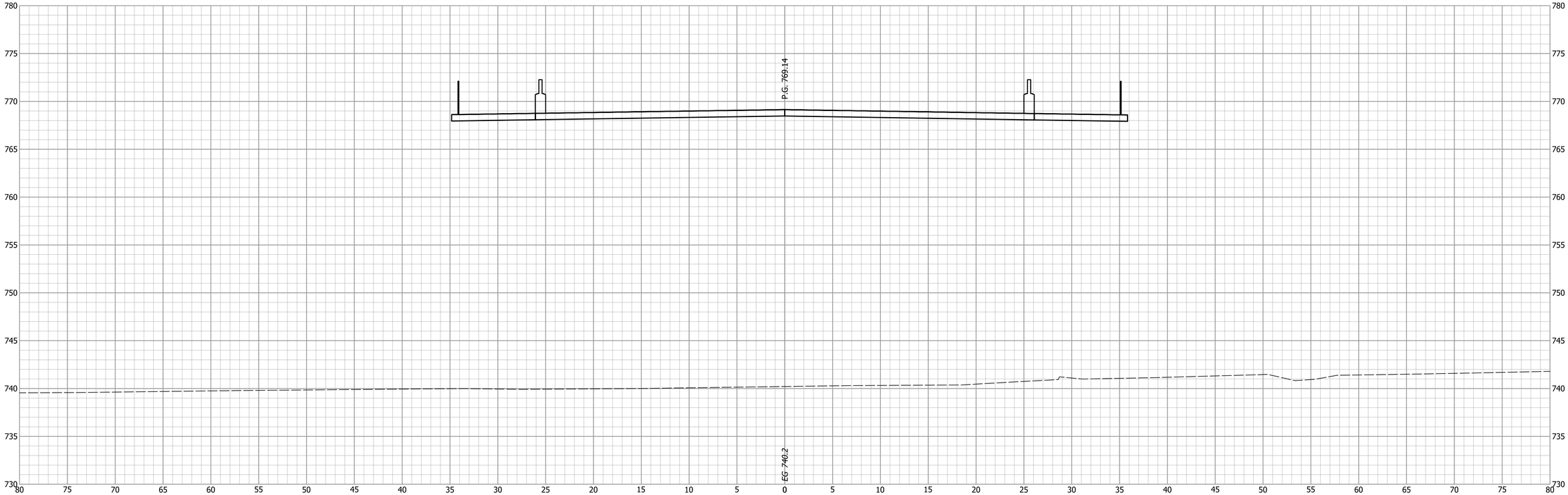
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	51	of	63
CONTRACT	PROJECT		
B-42844	1902834		

47+25



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

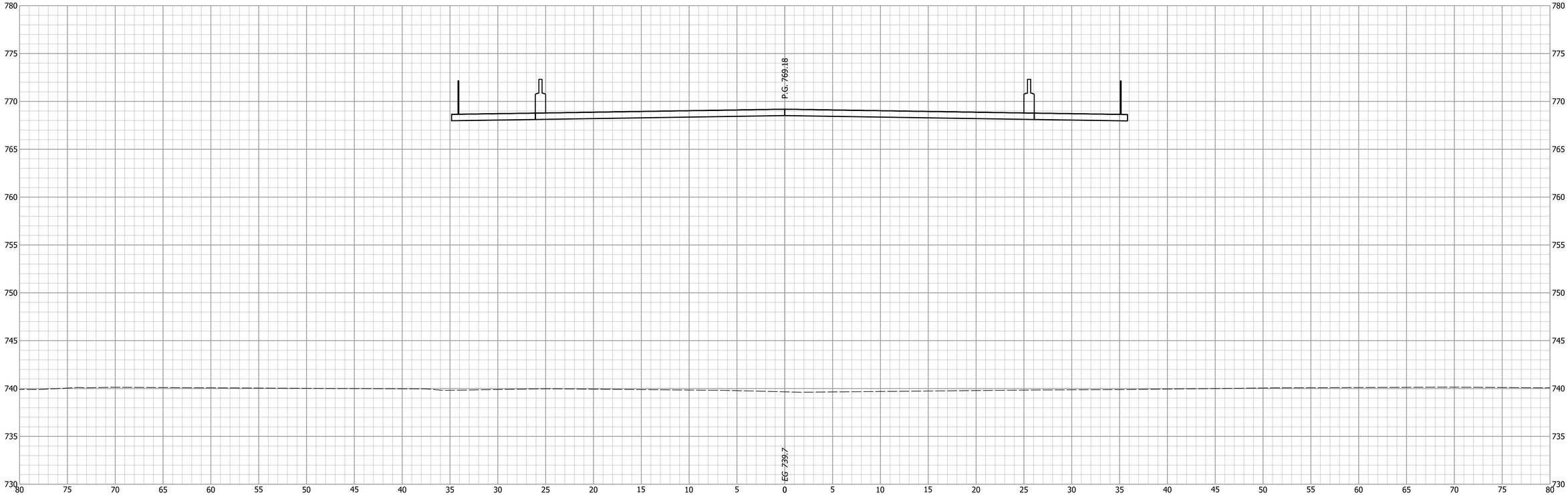
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	52 of 63
CONTRACT	PROJECT
B-42844	1902834

47+50



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

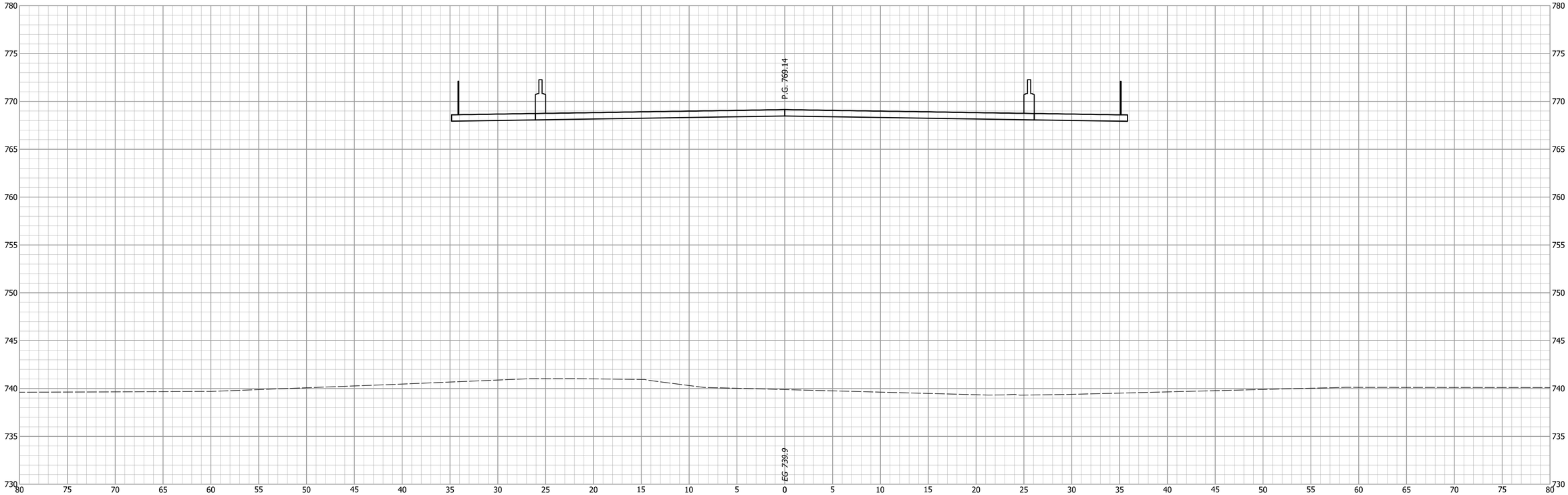
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	53	of	63
CONTRACT	PROJECT		
B-42844	1902834		

47+75



NOT FOR CONSTRUCTION

DESIGNED: BMA
DRAWN: CNC
CHECKED: KAM
CHECKED: BMA

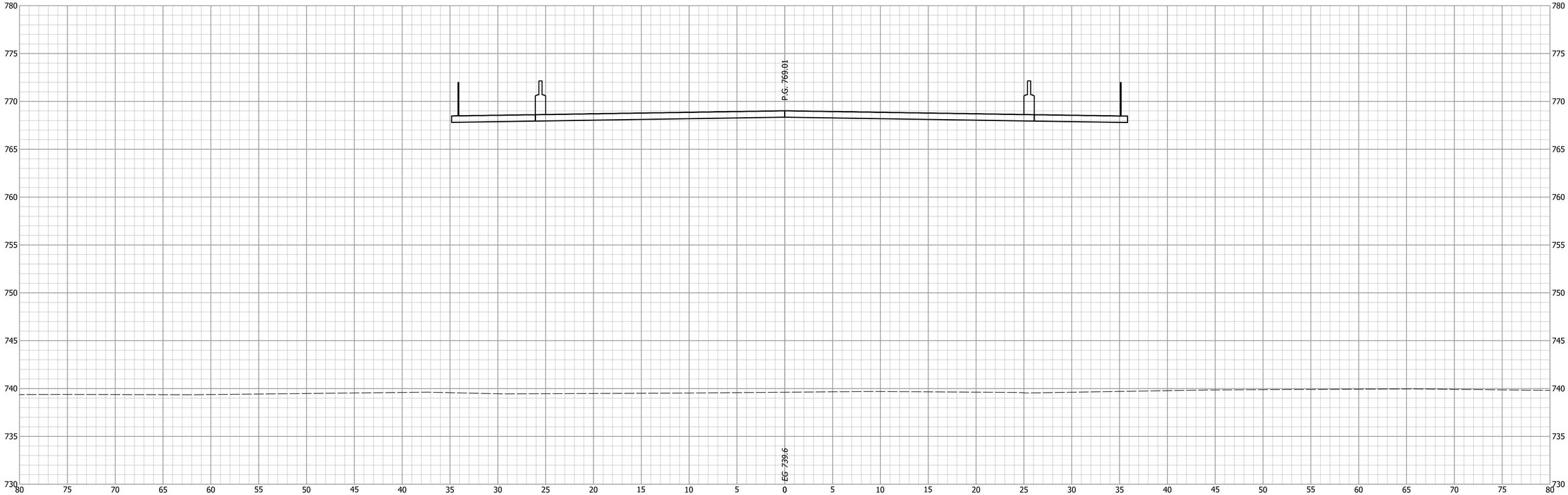
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	54	of	63
CONTRACT	PROJECT		
B-42844	1902834		

48+00



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

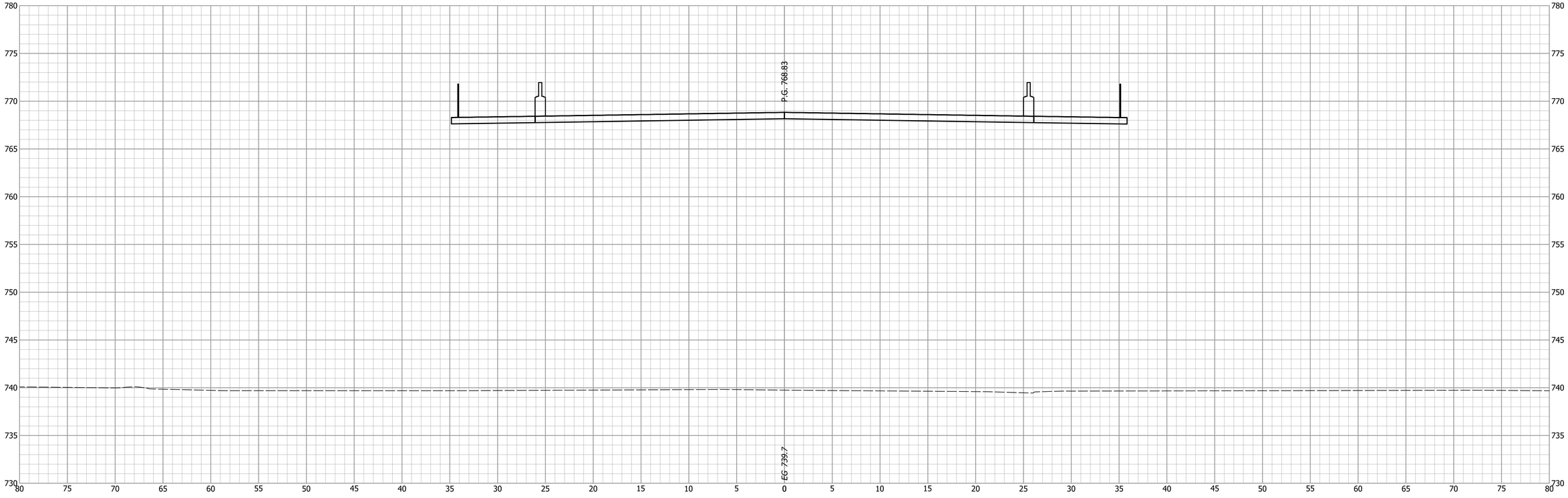
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	55 of 63
CONTRACT	PROJECT
B-42844	1902834

48+25



NOT FOR CONSTRUCTION

DESIGNED: BMA
DRAWN: CNC
CHECKED: KAM
CHECKED: BMA

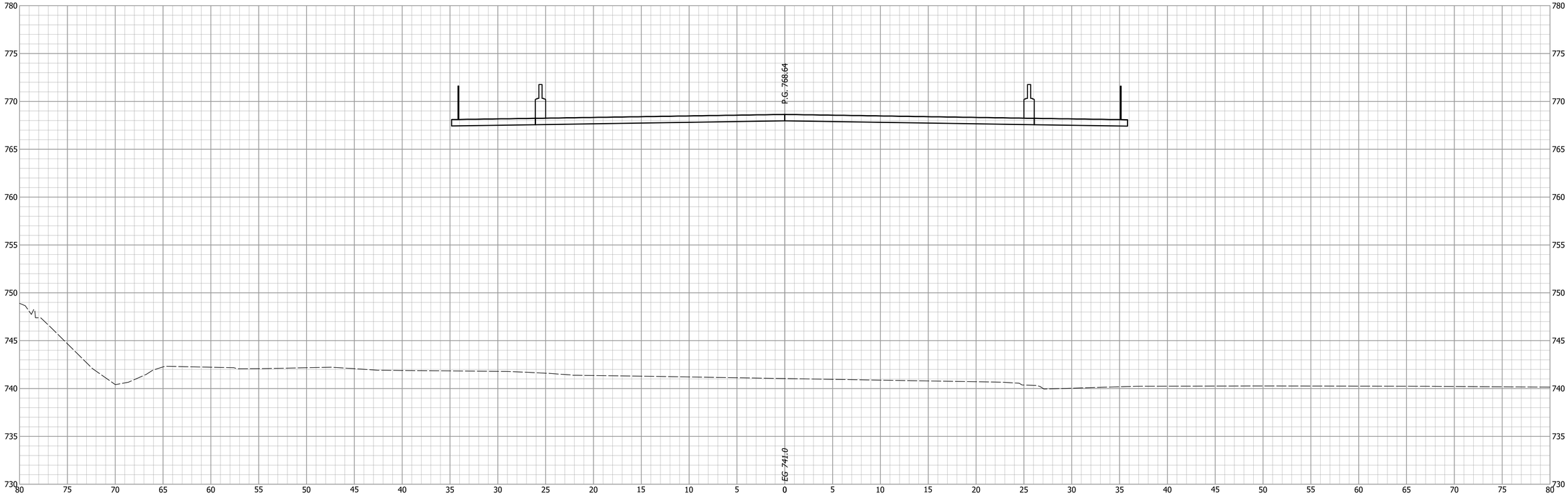
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	56 of 63
CONTRACT	PROJECT
B-42844	1902834

48+50



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

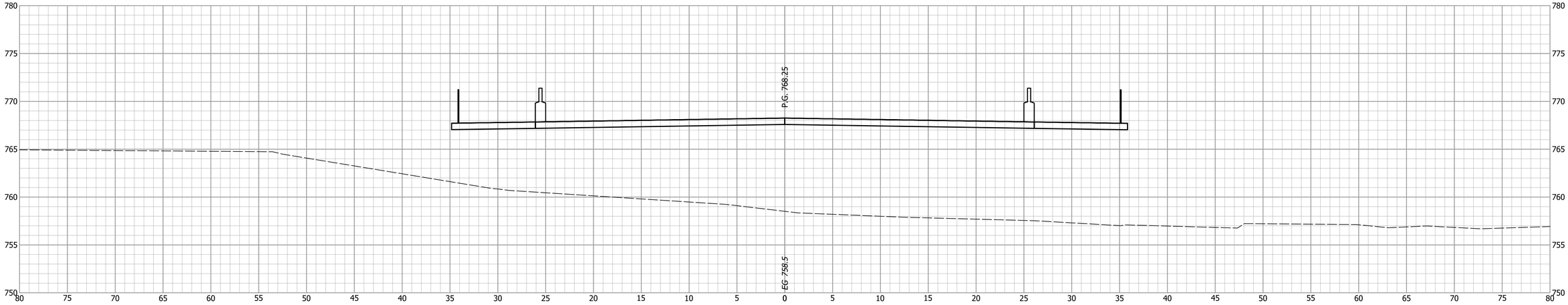
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

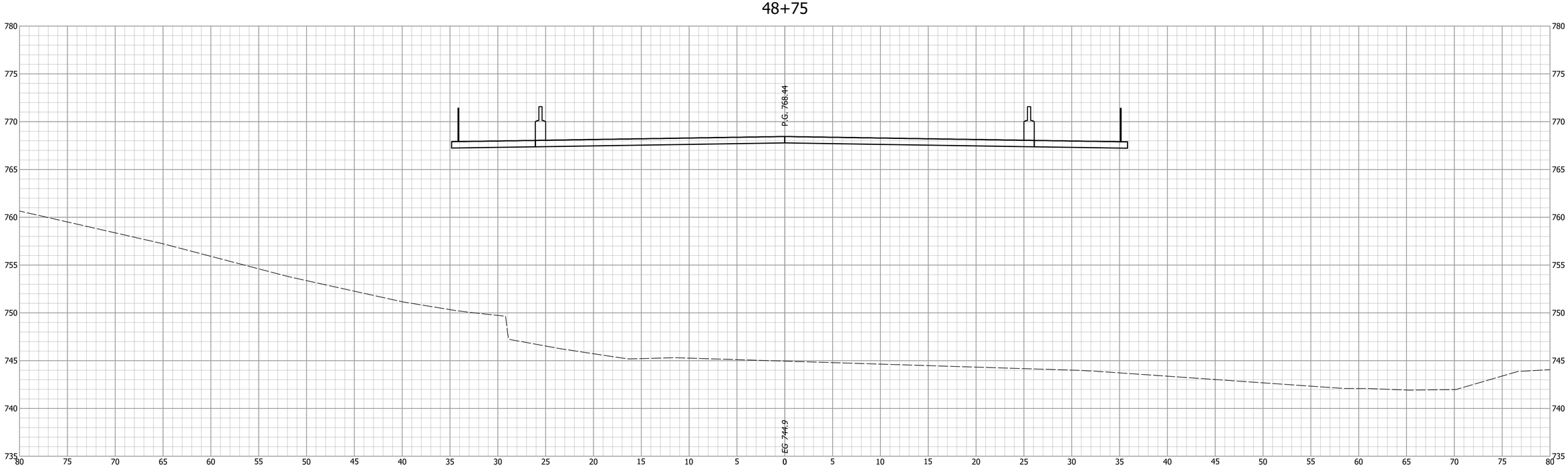
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	57 of 63
CONTRACT	PROJECT
B-42844	1902834

49+00



48+75



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

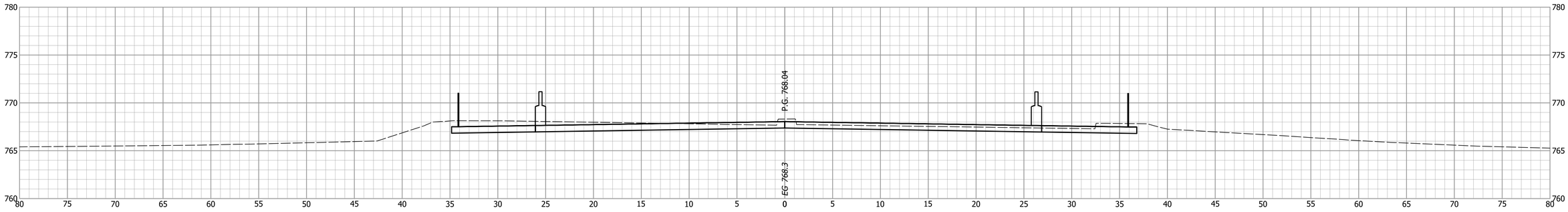
CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	58	of	63
CONTRACT	PROJECT		
B-42844	1902834		

END PROJECT
STA. 50+03.00 "B"

49+25



NOT FOR CONSTRUCTION

DESIGNED: BMA
DRAWN: CNC
CHECKED: KAM
CHECKED: BMA

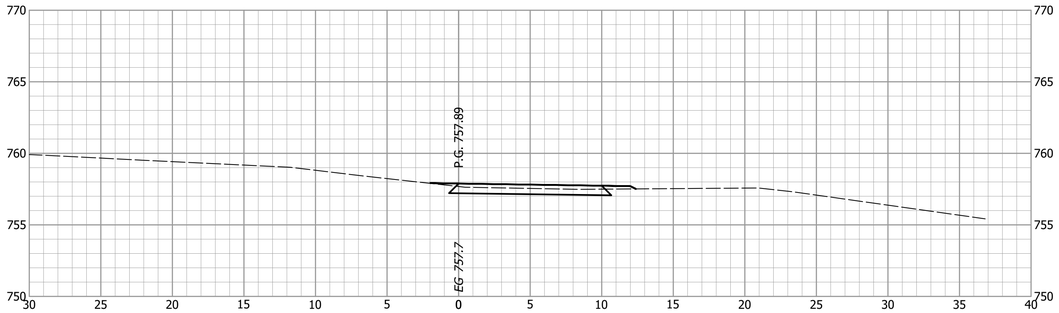
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B" - BLUFFTON ROAD

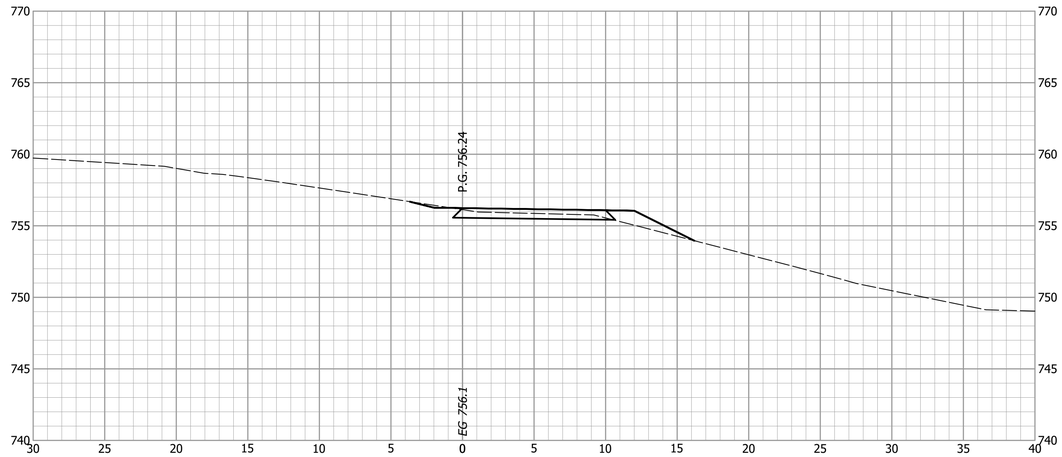
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS		
----	59	of	63
CONTRACT	PROJECT		
B-42844	1902834		

1+00



1+25



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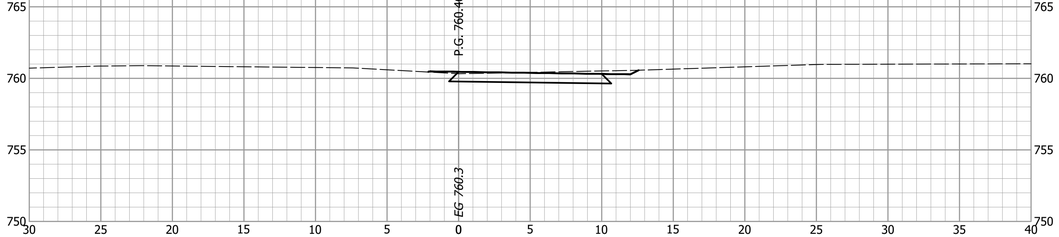

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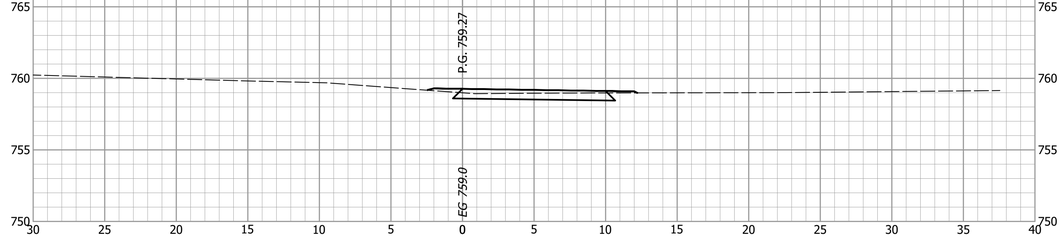
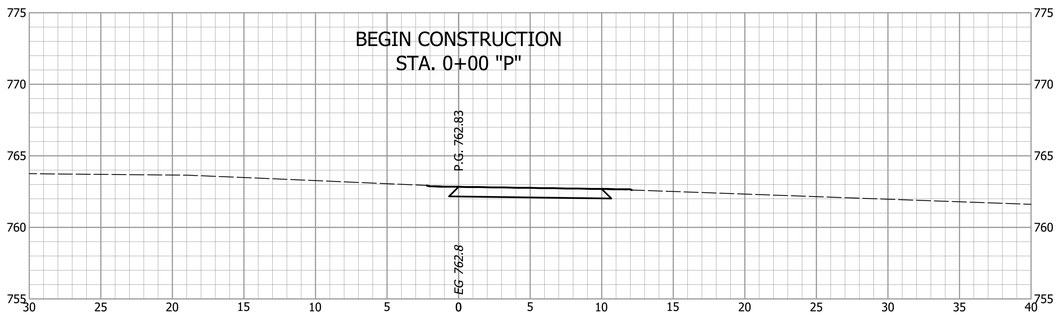


0+00

BEGIN CONSTRUCTION
STA. 0+00 "P"



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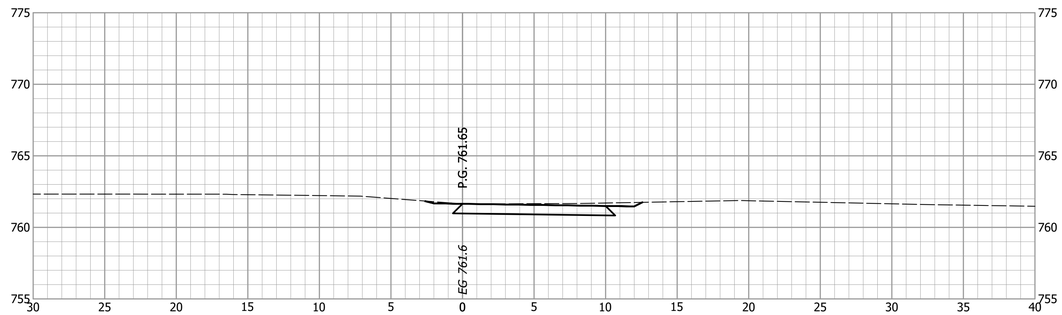


NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

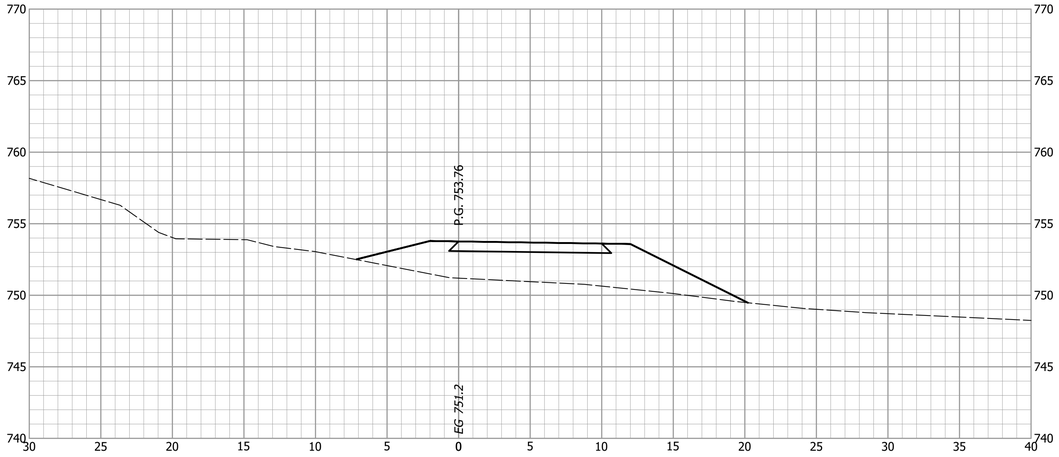
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ST. MARYS PATHWAY - LINE "P"

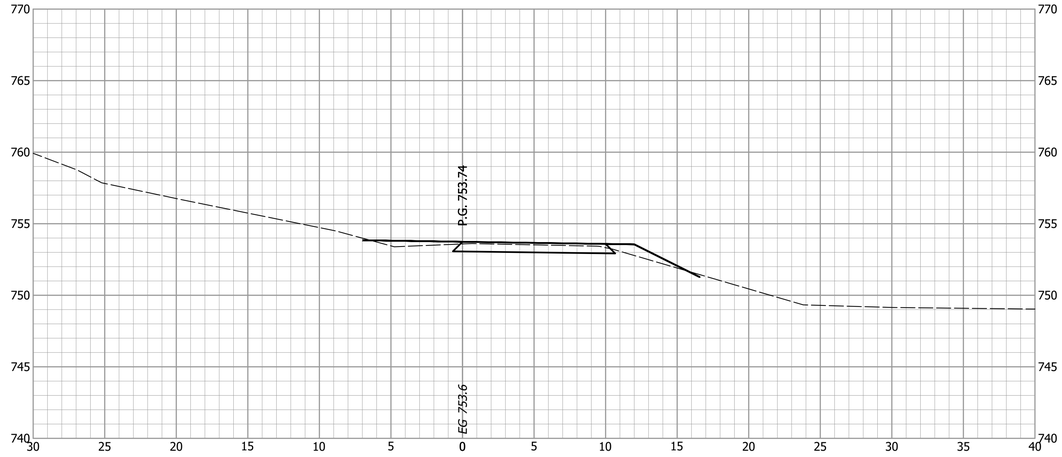
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	60 of 63
CONTRACT	PROJECT
B-42844	1902834

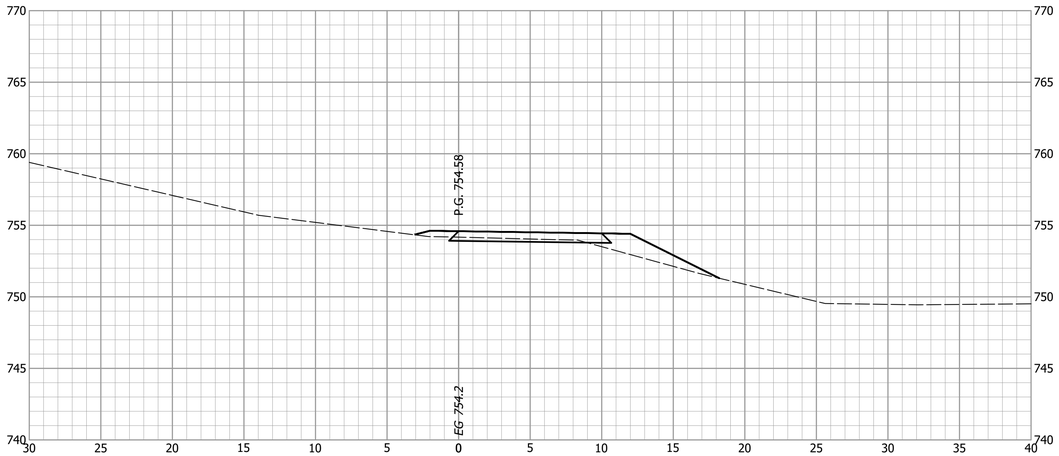
2+00



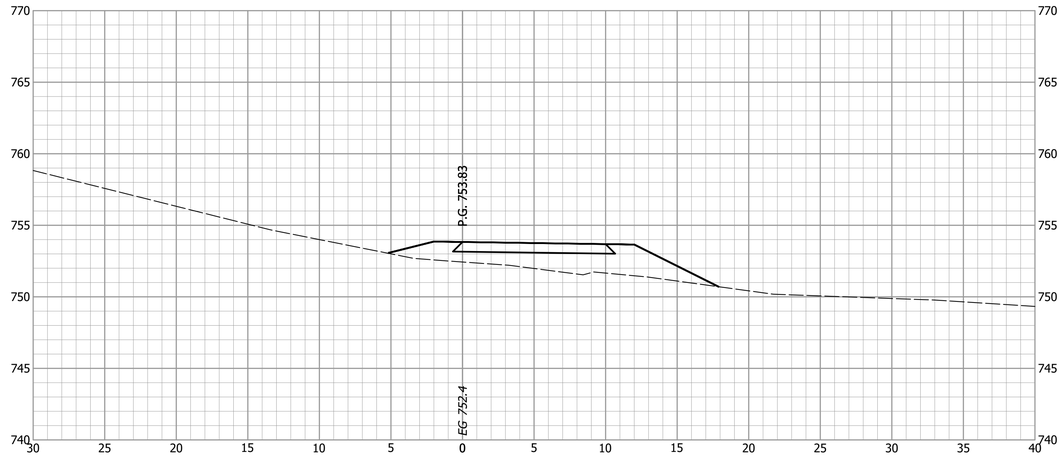
2+25



1+50



1+75



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

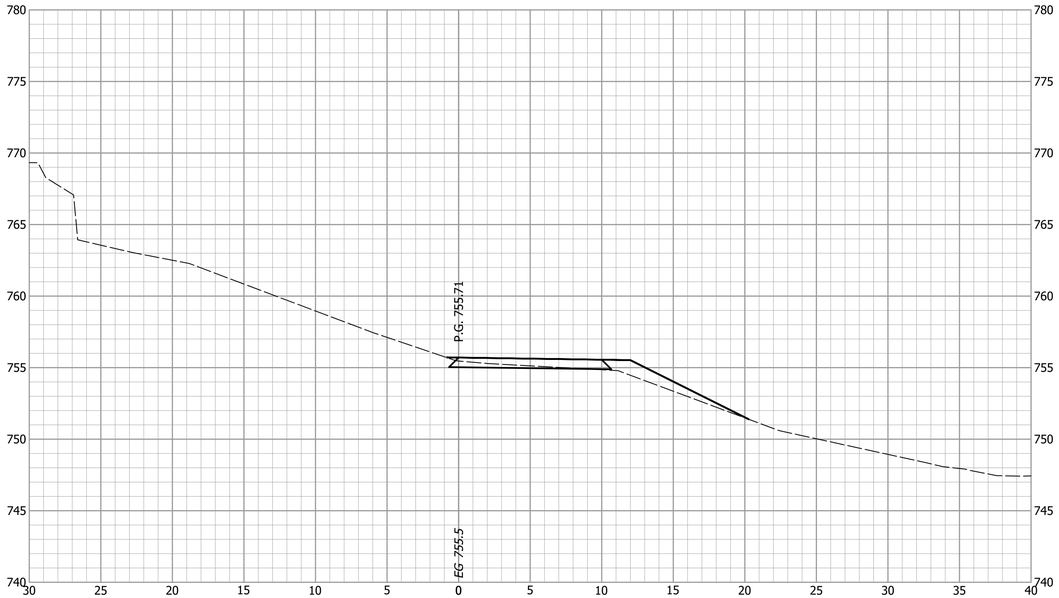
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ST. MARYS PATHWAY - LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	61 of 63
CONTRACT	PROJECT
B-42844	1902834

3+00



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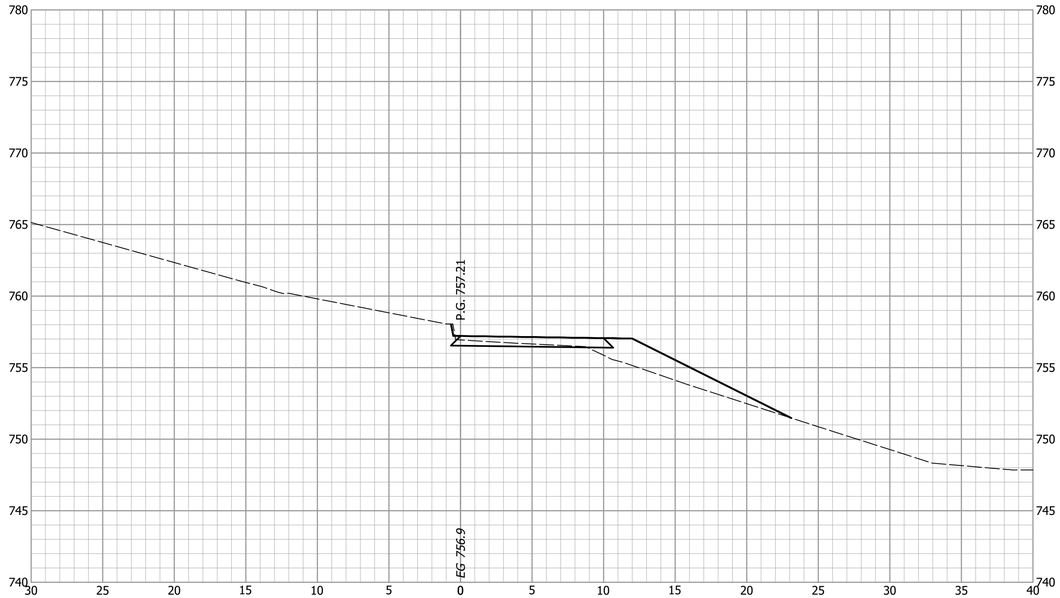

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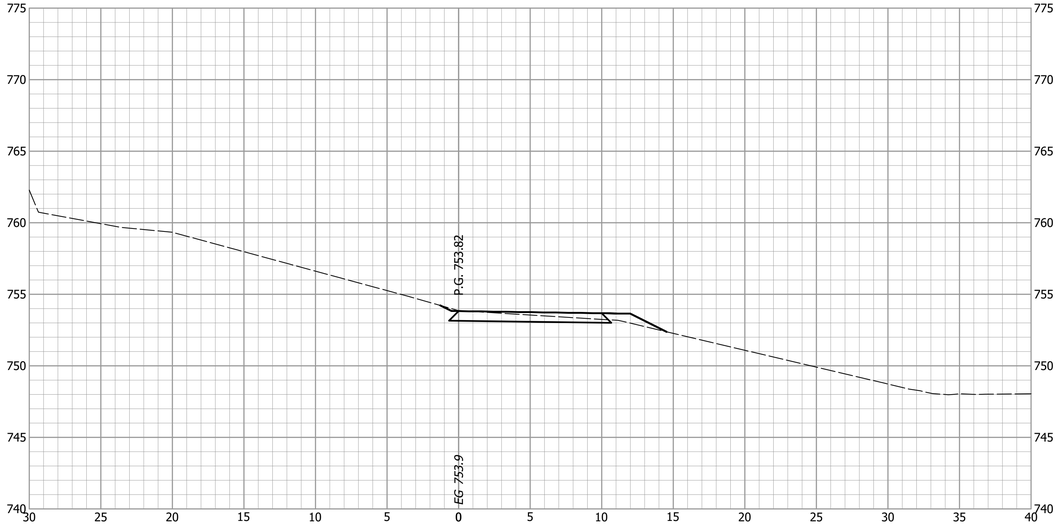

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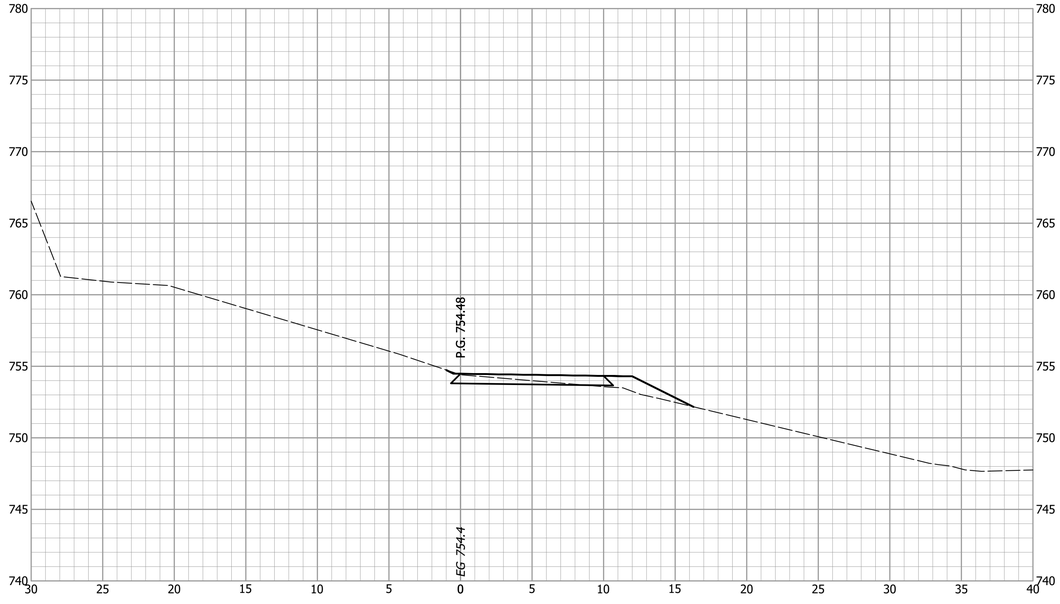


NOT FOR CONSTRUCTION

DESIGNED: BMA | DRAWN: CNC

CHECKED: KAM | CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

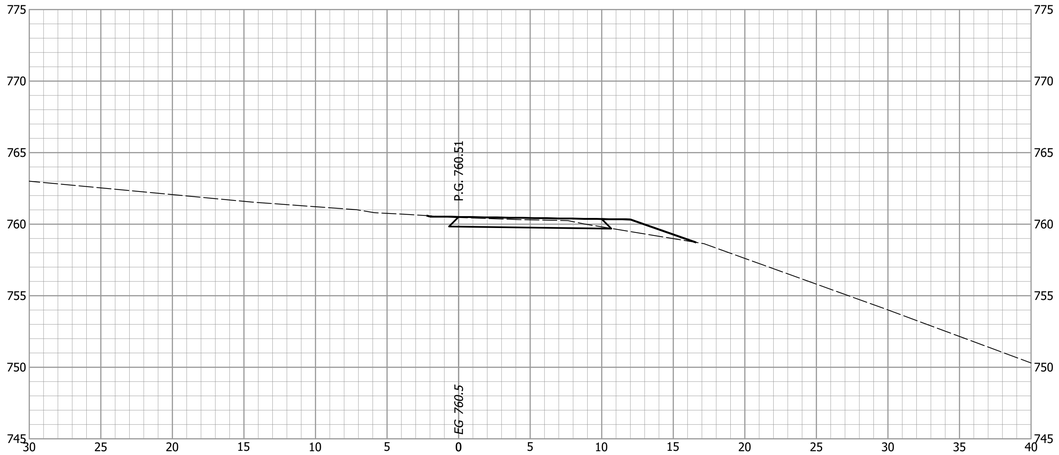
CROSS SECTIONS
ST. MARYS PATHWAY - LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

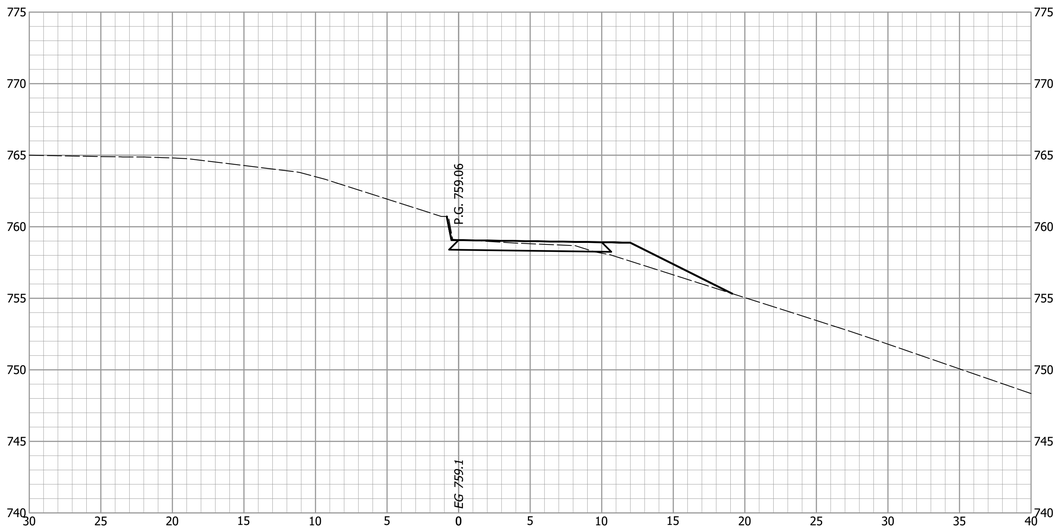
SURVEY BOOK	SHEETS
----	62 of 63
CONTRACT	PROJECT
B-42844	1902834

BEGIN CONSTRUCTION
STA. 4+07 "P"

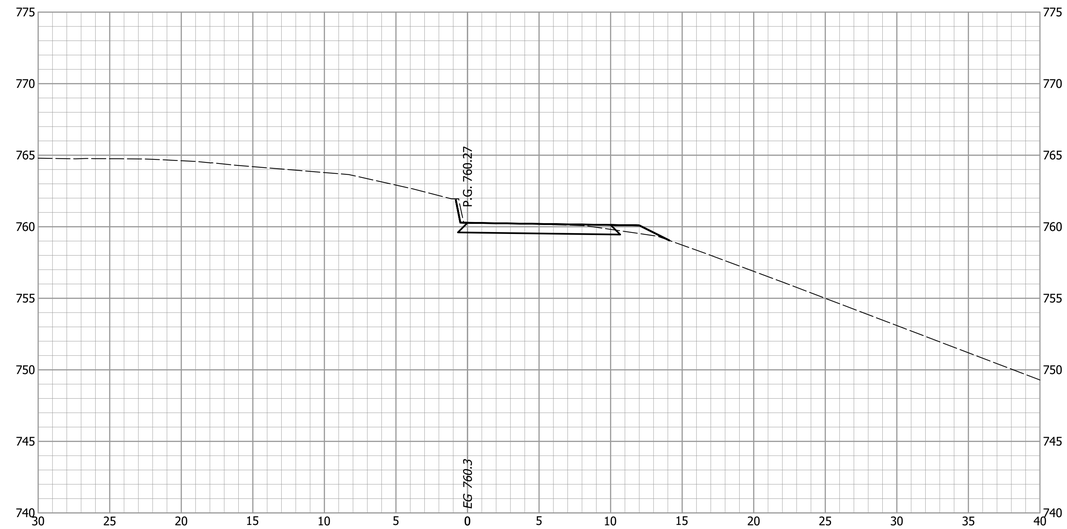
4+00



3+50



3+75



NOT FOR CONSTRUCTION

DESIGNED: BMA	DRAWN: CNC
CHECKED: KAM	CHECKED: BMA

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ST. MARYS PATHWAY - LINE "P"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	ALLEN 358
VERTICAL SCALE	DESIGNATION
1" = 5'	1902834

SURVEY BOOK	SHEETS
----	63 of 63
CONTRACT	PROJECT
B-42844	1902834