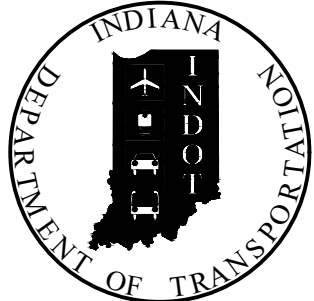


PROJECT	DESIGNATION
1593274	1593274
CONTRACT	BRIDGE FILE
B-41938	041-61-05864 C

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
041-61-05864 C	Reinforced Concrete Open Spandrel Arch Bridge	1 Span: 70'-0" Skew: 0°	Roaring Creek	☒ Structure Sta.877+66 "A"

INDIANA DEPARTMENT OF TRANSPORTATION



BRIDGE REHABILITATION PLANS

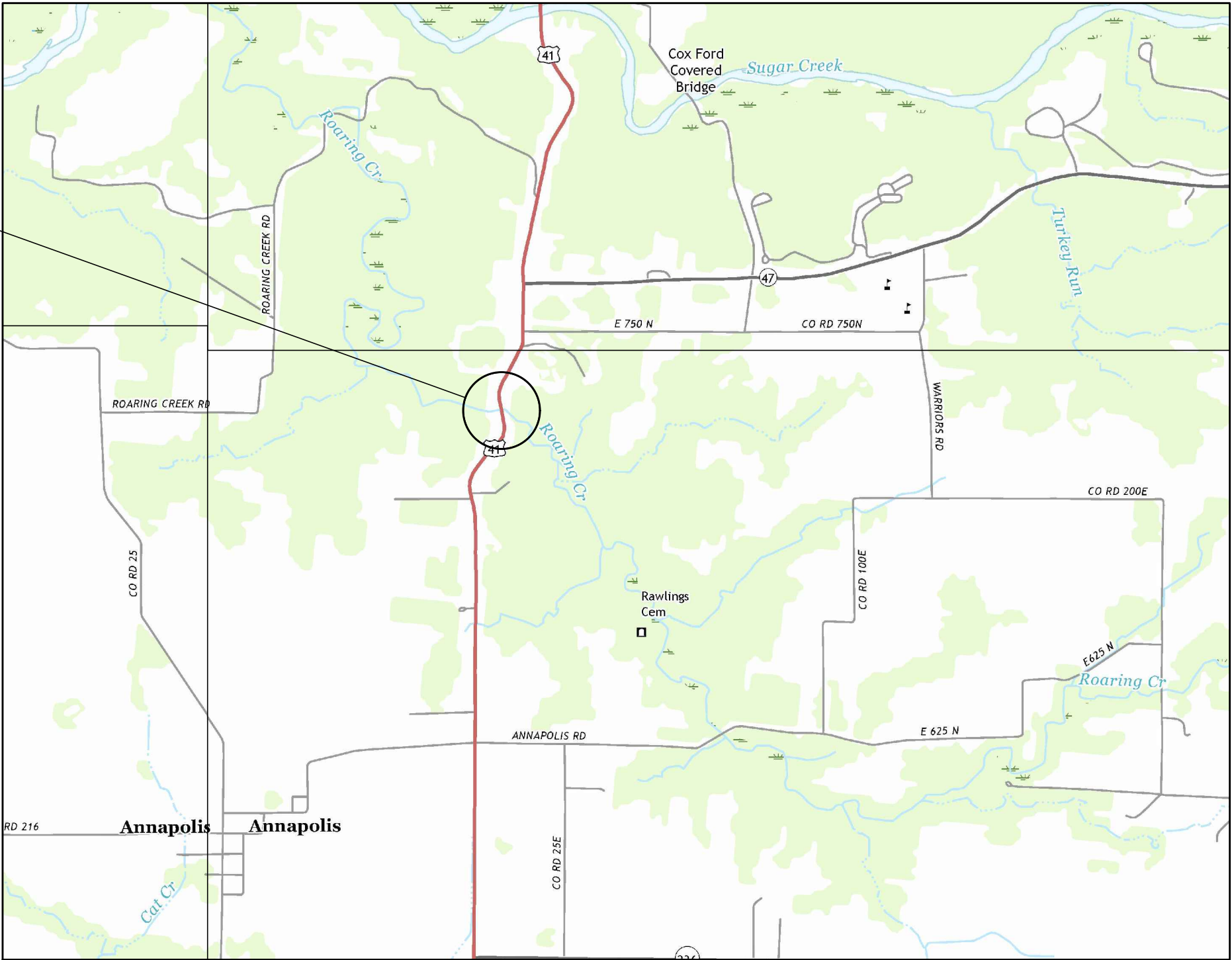
FOR SPANS OVER 20 FEET

ROUTE: U.S. 41 OVER ROARING CREEK AT: RP 145+25

PROJECT NO. 1593274 P.E.
1593274 R/W
1593274 CONST.

Bridge Deck Replacement on U.S. 41 over Roaring Creek
Located 0.40 Miles South of S.R. 47 in
Section 32, T-17-N, R-7-W, Penn Township, Parke County, Indiana

PROJECT LOCATION
Begin Project-Sta.877+00.00 "A"
End Project-Sta.878+32.00 "A"



LOCATION MAP
SCALE: 1:24000

TRAFFIC DATA

A.A.D.T. (2020)	2680	V.P.D.
A.A.D.T. (2040)	3050	V.P.D.
D.H.V (2040)	280	V.P.H.
DIRECTIONAL DISTRIBUTION	50	%
TRUCKS	11.41 %	A.A.D.T.
	11.20 %	D.H.V.

DESIGN DATA

DESIGN SPEED	55	M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	
RURAL/URBAN	RURAL	
TERRAIN	ROLLING	
ACCESS CONTROL	NONE	



PROJECT LOCATION SHOWN BY
PARKE COUNTY

LATITUDE: 39°52'18.5" N LONGITUDE: 87°14'03.3" W

BRIDGE LENGTH: 0.014 MI.
ROADWAY LENGTH: 0.060 MI.
TOTAL LENGTH: 0.074 MI.
MAX. GRADE: 2.15 %

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:



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

	BRIDGE FILE
	041-61-05864 C
	DESIGNATION
	1593274
DRAWING NO.	SHEETS
	1 of 17
CONTRACT	PROJECT
B-41938	1593274

UTILITIES

AT&T
240 North Meridian Street, Room 1791
Indianapolis, In 46204
Attn: Matt Spindler
Ph: 317-265-3050
Email: ms4822@att.com

Bloomindale Home Telephone Company
38 South Main Street
P.O. Box 206
Bloomington, In 47832
Attn: Chuck Branson
Ph: 765-498-2000, Office
Ph: 765-363-3401, Mobile
Email: bhct35@gmail.com

Parke County REMC
119 West High Street
Rockville, In 47872
Attn: Matt Cosby
Ph: 765-569-4232
Email: mcosby@pcremc.com



INDEX

[illegible]

REVISIONS

SHEET NO.	DATE	REVISED

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
-----------------------------	-----------------	------

DESIGNED: <u>AWW</u>	DRAWN: <u>SS</u>
CHECKED: <u>TSW</u>	CHECKED: <u>AWW</u>

INDIANA
DEPARTMENT OF TRANSPORTATION

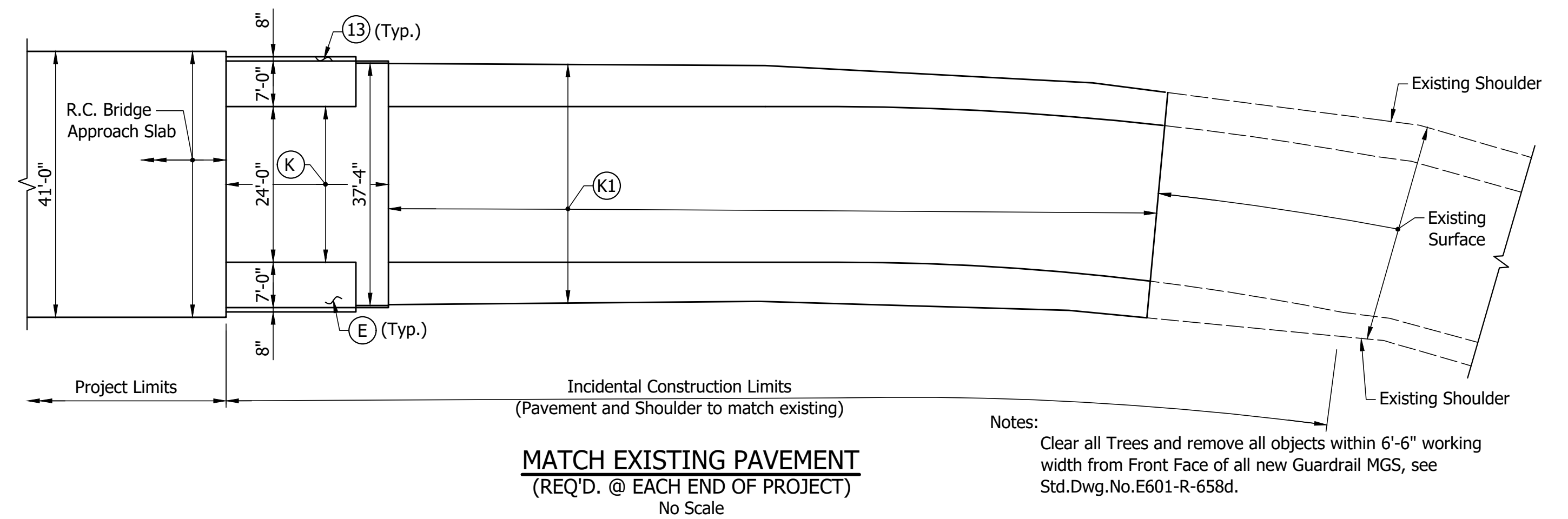
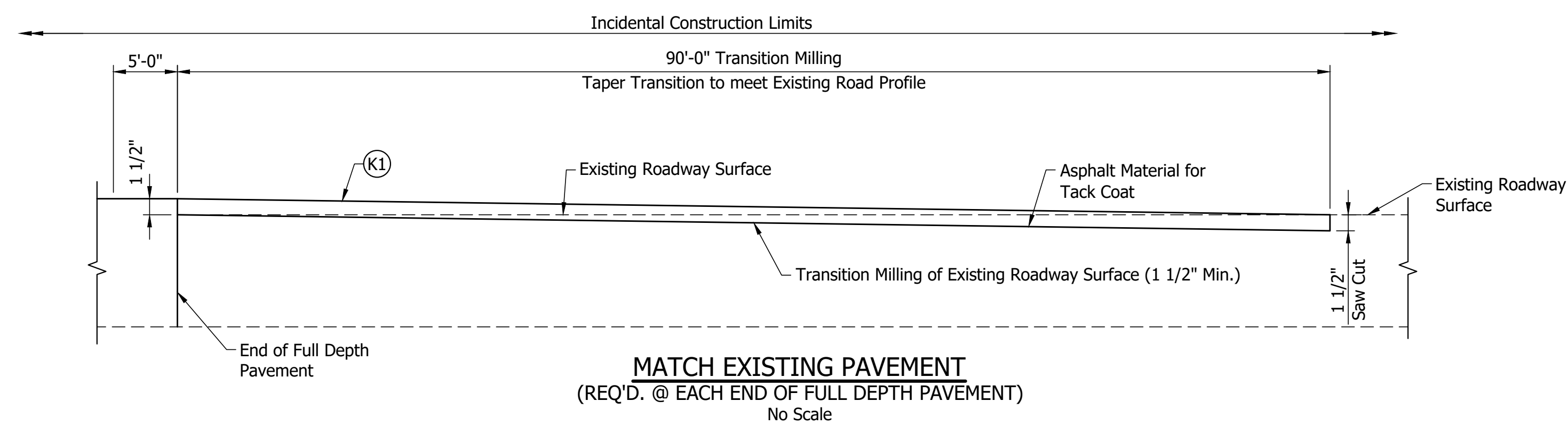
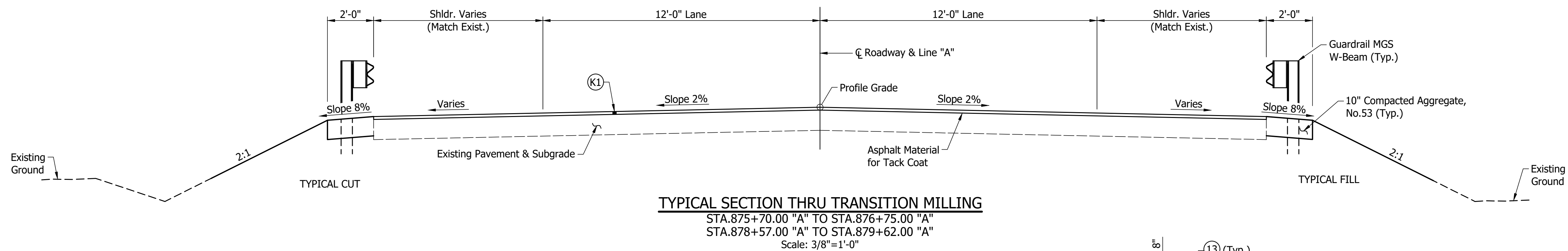
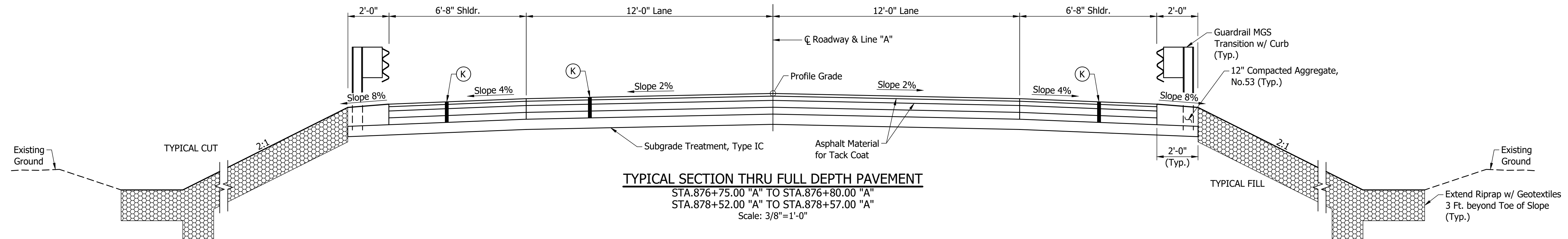
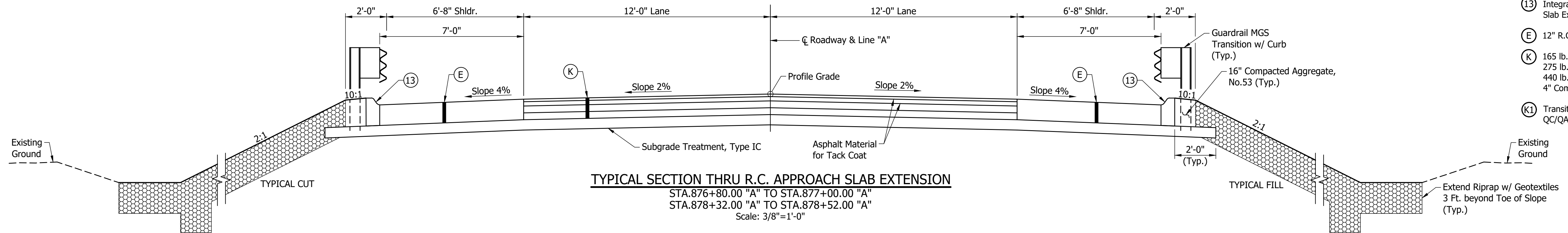
INDEX SHEET

	HORIZONTAL SCALE	BRIDGE FILE		
	N/A	041-61-05864 C		
	VERTICAL SCALE	DESIGNATION		
	N/A	1593274		
	DRAWING NO.	SHEETS		
		2	of	17
	CONTRACT	PROJECT		
	B-41938	1593274		

LEGEND

- (13) Integral Conc. Curb, Type B Req'd Lt. & Rt. For Approach Slab Extensions
- (E) 12" R.C. Approach Slab Extension
- (K) 165 lb./Syd QC/QA HMA, 2, 64, Surface, 9.5mm on
275 lb./Syd QC/QA HMA, 2, 64, Intermediate, 19.0mm on
440 lb./Syd QC/QA HMA, 2, 64, Base, 25.0mm on
4" Compacted Aggregate, No.53
- (K1) Transition Milling (Variable Depth; 1.5" Min.)
QC/QA HMA, 2, 64, Surface, 9.5 mm

Note to Reviewer:
Pavement Design is Preliminary.

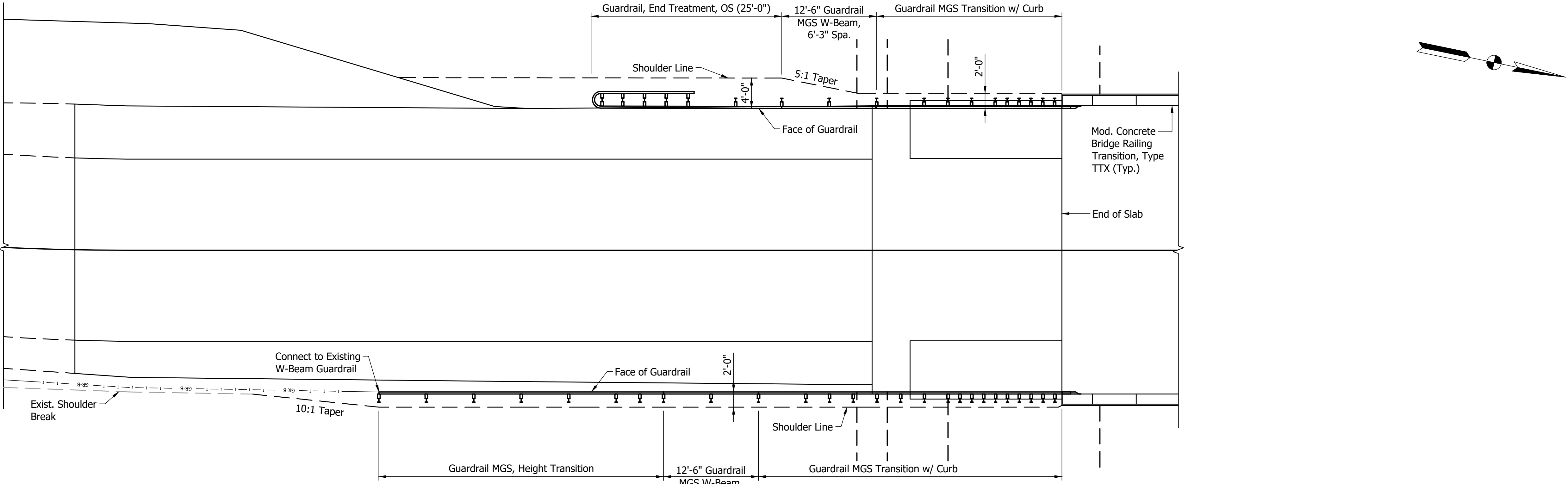


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AVW	DRAWN: SS	
CHECKED: TSW	CHECKED: AVW	

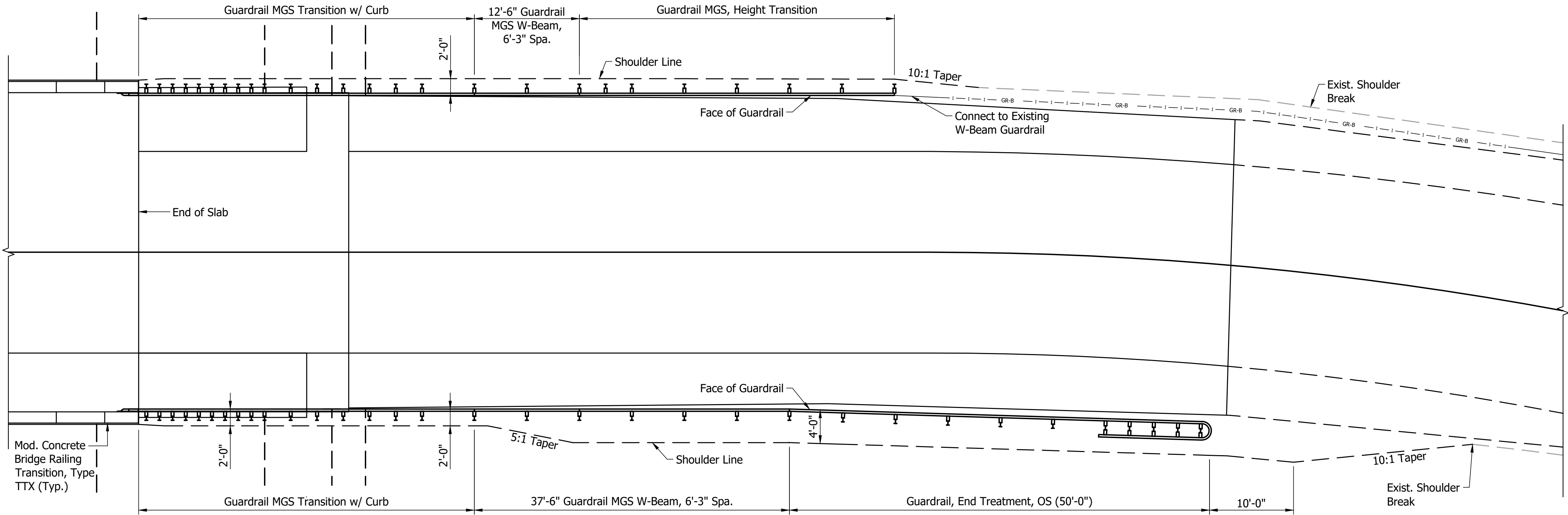
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE		
AS NOTED	041-61-05864 C		
VERTICAL SCALE	DESIGNATION		
AS NOTED	1593274		
DRAWING NO.	SHEETS		
	3	of	17
CONTRACT	PROJECT		
B-41938	1593274		



SHOULDER AND GUARDRAIL DETAILS
(SW & SE Corners)
Scale: 1/8" = 1'-0"

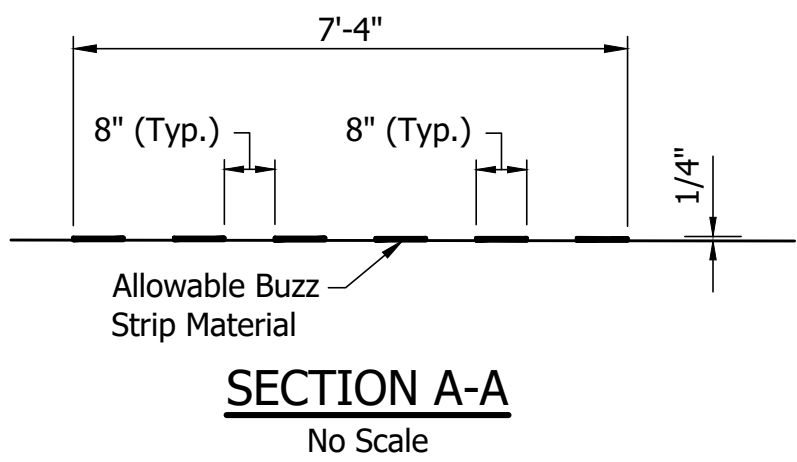
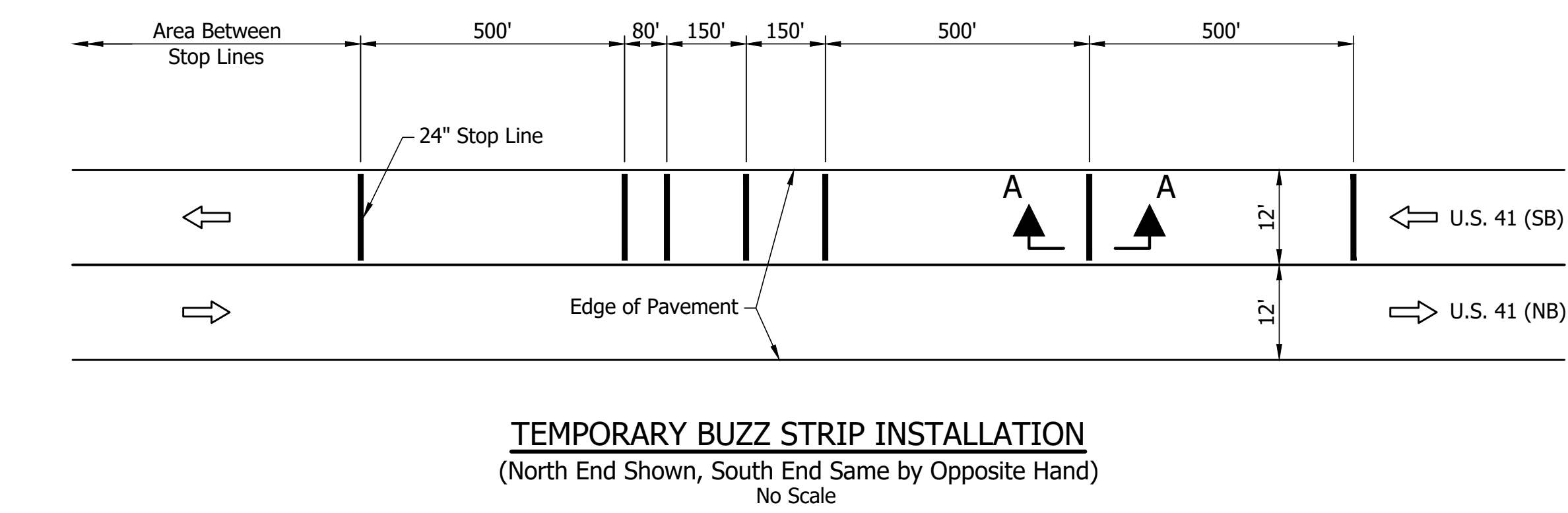
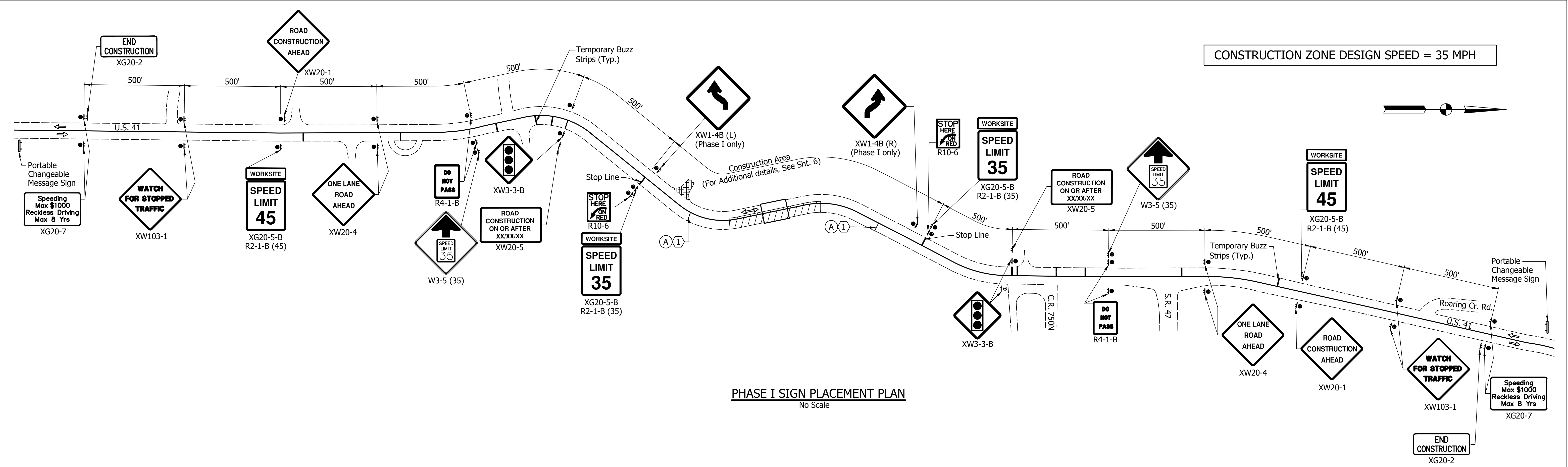


SHOULDER AND GUARDRAIL DETAILS
(NW & NE Corners)
Scale: 1/8" = 1'-0"

RECOMMENDED FOR APPROVAL _____	
DESIGNED: AVW	DRAWN: SS
CHECKED: TSW	CHECKED: AWW

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL CROSS SECTIONS	

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	041-61-05864 C
VERTICAL SCALE	DESIGNATION
AS NOTED	1593274
DRAWING NO.	SHEETS
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CONTRACT	PROJECT
B-41938	1593274



MAINTENANCE OF TRAFFIC - PHASE I QUANTITIES

ITEM	QUANTITY
Temporary Pavement Marking, Removable, 4 in. (White)	
Temporary Transverse Pavement Marking, Removable, 24 in. (White)	
Temporary Transverse Markings, White, Stopline, 24 in.	
Construction Sign, A	
Construction Sign, B	
Construction Sign, C	
Road Closure Sign Assembly	
Temporary Traffic Barrier, Type 2, Anchored	
Temporary Traffic Signal with Detectors	
Maintaining Traffic	
Barricade, III-B	
Portable Changeable Message Sign	
Temporary Buzz Strips	
Line, Remove	

NOTE TO REVIEWER:
MOT Quantities to be
Completed at Future Submittals.

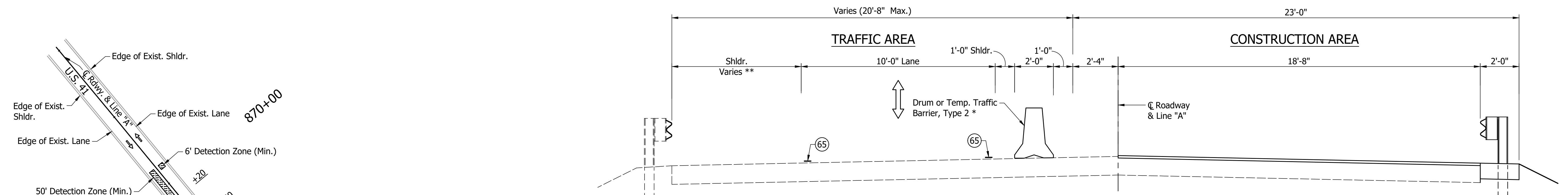
Notes:
Contractor Shall Not Cover any Existing Curve Signs or any Existing Advisory Speed Limits Signs.
Portable Changeable Message Signs to be utilized as directed by the Engineer.
For Construction Area Details, see Sht.6.
For Maintenance of Traffic General Notes and Legend, see Sht.9.
Access to drives to be maintained at all times.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AVW	DRAWN: SS	
CHECKED: TSW	CHECKED: AVW	

INDIANA DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC PHASE I

HORIZONTAL SCALE	BRIDGE FILE
N/A	041-61-05864 C
VERTICAL SCALE	DESIGNATION
N/A	1593274
DRAWING NO.	SHEETS
	5 of 17
CONTRACT	PROJECT
B-41938	1593274

CONSTRUCTION ZONE DESIGN SPEED = 35 MPH

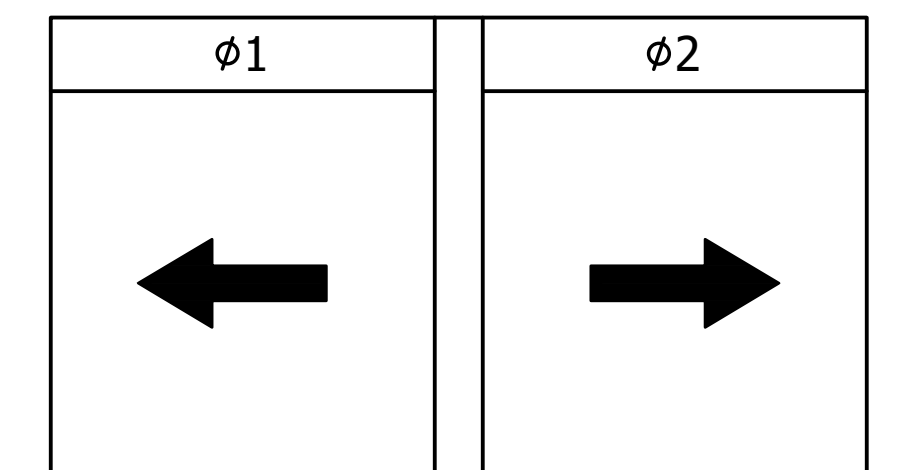


PHASE I - ROAD SECTION

Scale: $\frac{3}{8}'' = 1'-0''$

* Place Anchored Temporary Traffic Barrier along all Tapers

** Shoulder Strengthening to be determined with Final Pavement Design, if necessary.



SIGNAL PHASING DIAGRAM

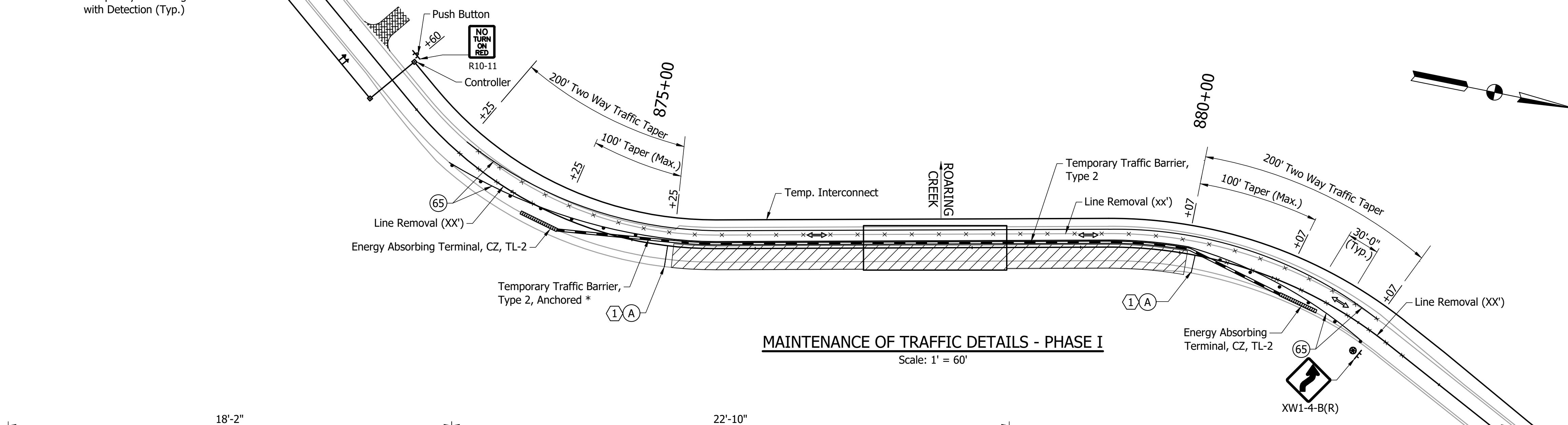
SIGNALIZATION NOTES

Temporary wood poles to be placed as far from the edge of pavement as possible (within R/W).

2" conduit and aerial cable may be placed on either side of the structure at the option of the Contractor.

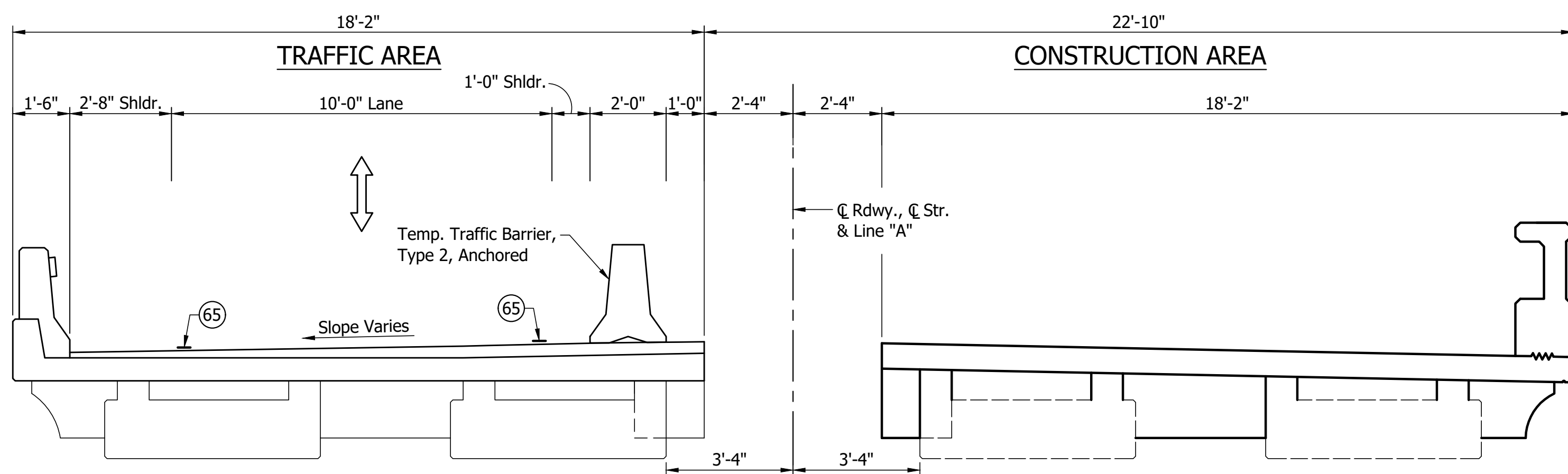
Signal controller to be provided to district signal supervisor for programming timings.

For wireless vehicle detector spacing see Recurring Plan Detail E805-T-173D.



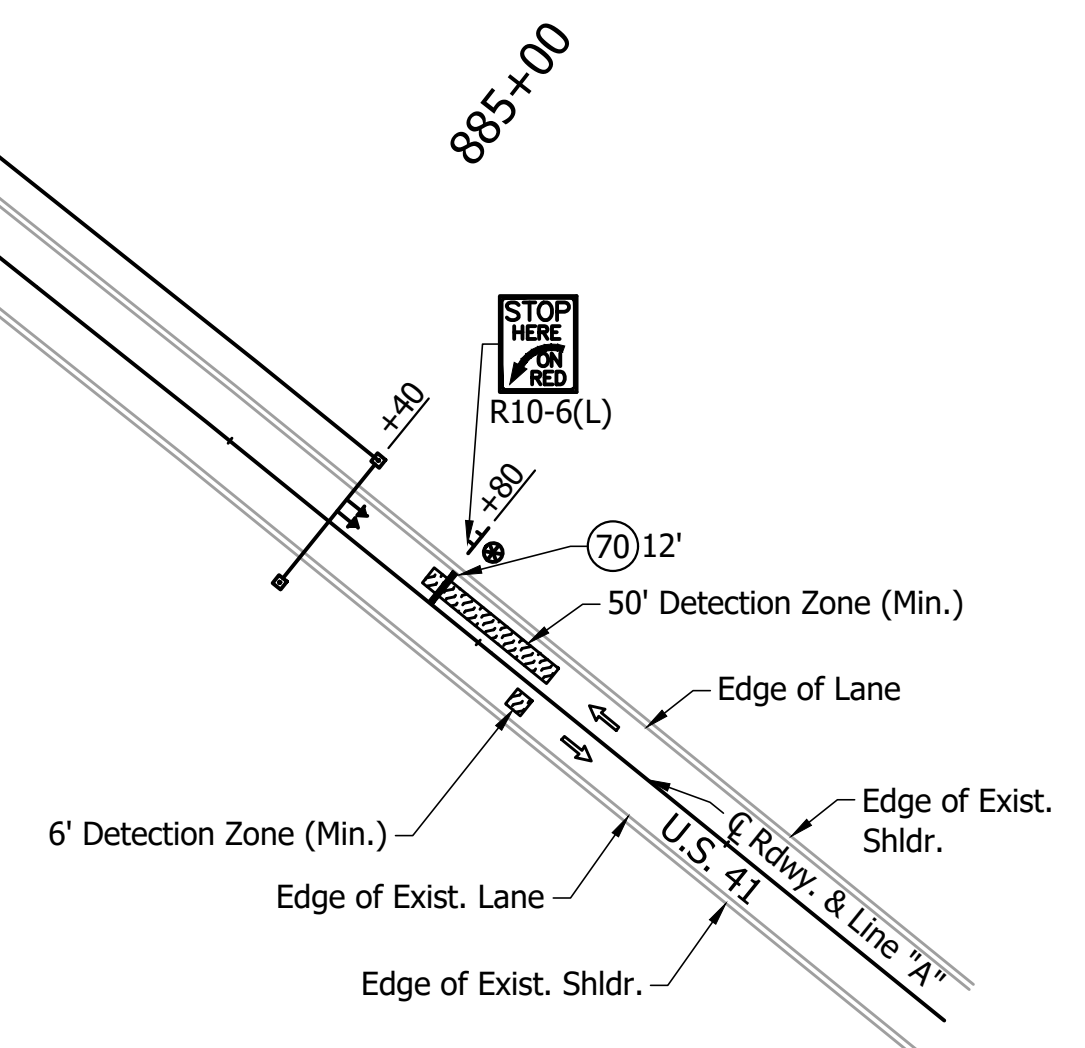
MAINTENANCE OF TRAFFIC DETAILS - PHASE I

Scale: 1' = 60'



PHASE I - BRIDGE SECTION

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



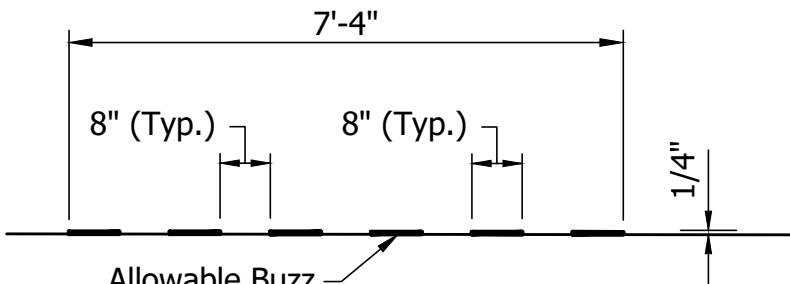
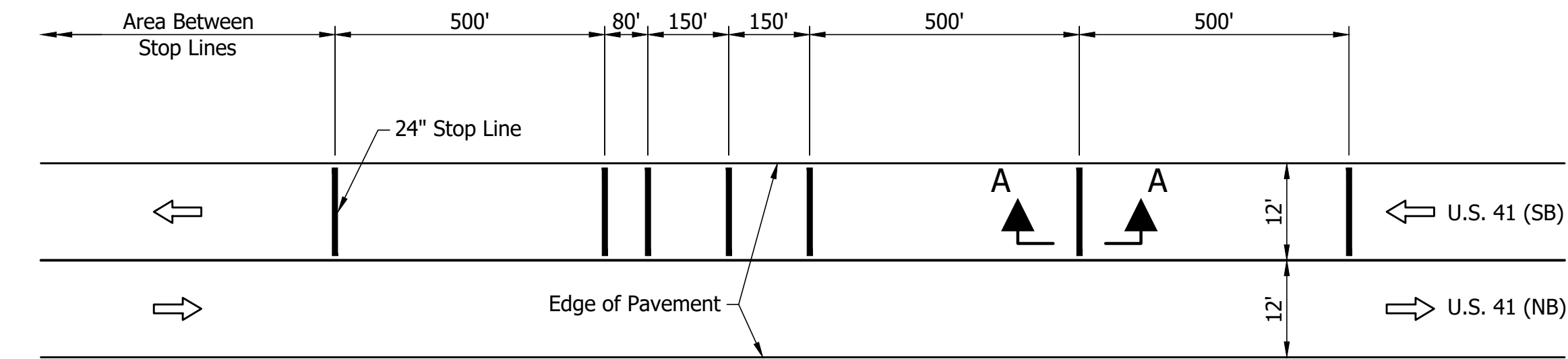
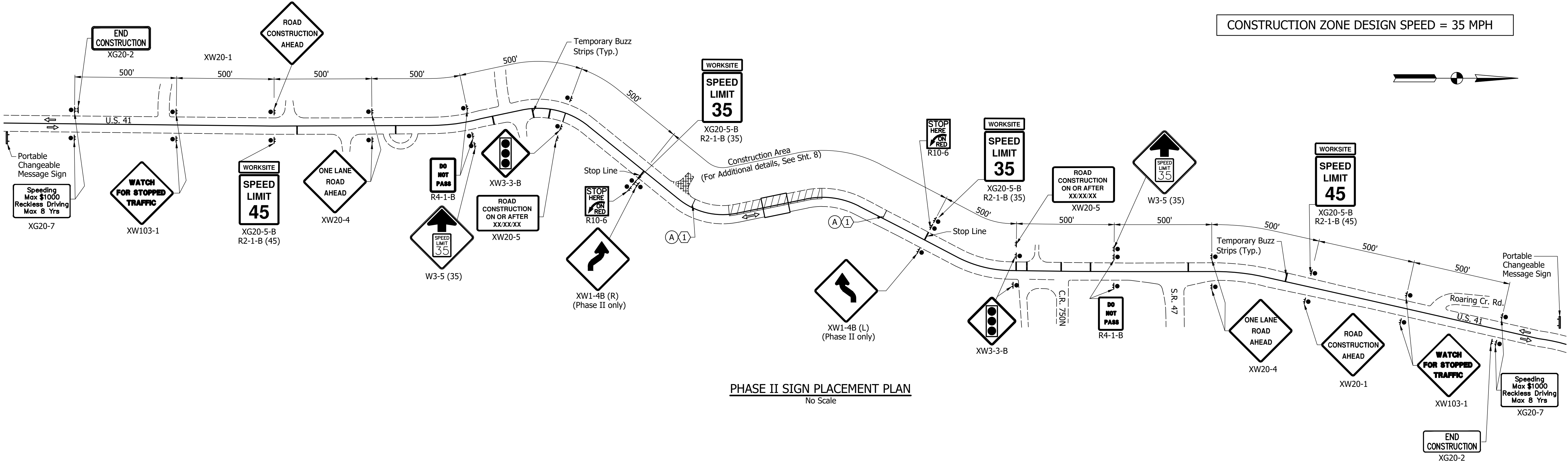
Notes:

For Sign Placement Plan, see Sht.5.

For Maintenance of Traffic General Notes and Legend, see Sht.9.

Access to drives to be maintained at all times.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION			HORIZONTAL SCALE		BRIDGE FILE		
				AS NOTED		041-61-05864 C		
				VERTICAL SCALE		DESIGNATION		
				AS NOTED		1593274		
DESIGNED: <u>AVW</u>	DRAWN: <u>SS</u>	MAINTENANCE OF TRAFFIC PHASE I			DRAWING NO.		SHEETS	
					6		of	17
CHECKED: <u>TSW</u>	CHECKED: <u>AVW</u>				CONTRACT		PROJECT	
					B-41938		1593274	



MAINTENANCE OF TRAFFIC - PHASE II QUANTITIES

ITEM	QUANTITY
Temporary Pavement Marking, Removable, 4 in. (White)	
Temporary Transverse Pavement Marking, Removable, 24 in. (White)	
Temporary Transverse Markings, White, Stopline, 24 in.	
Construction Sign, A	
Construction Sign, B	
Construction Sign, C	
Road Closure Sign Assembly	
Temporary Traffic Barrier, Type 2, Anchored	
Temporary Traffic Signal with Detectors	
Maintaining Traffic	
Barricade, III-B	
Portable Changeable Message Sign	
Temporary Buzz Strips	
Line, Remove	

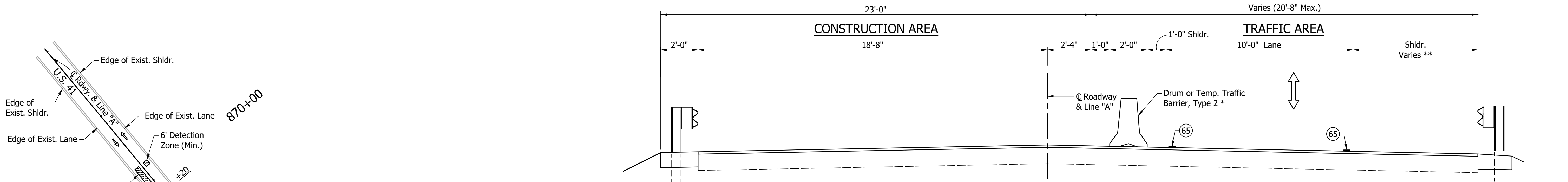
Notes:
For Construction Area Details, see Sht.8.
For Maintenance of Traffic General Notes and Legend, see Sht.9.
Adjust Temporary Traffic Barriers as necessary for drives.
Access to drives to be maintained at all times.

RECOMMENDED FOR APPROVAL _____	
DESIGNED: AVW	DRAWN: SS
CHECKED: TSW	CHECKED: AWW

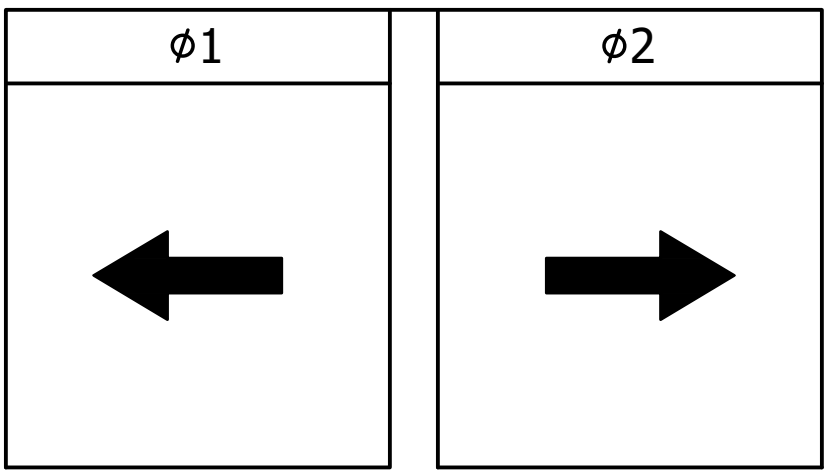
INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE II	

HORIZONTAL SCALE N/A	BRIDGE FILE 041-61-05864 C
VERTICAL SCALE N/A	DESIGNATION 1593274
DRAWING NO.	SHEETS 7 of 17
CONTRACT B-41938	PROJECT 1593274

CONSTRUCTION ZONE DESIGN SPEED = 35 MPH

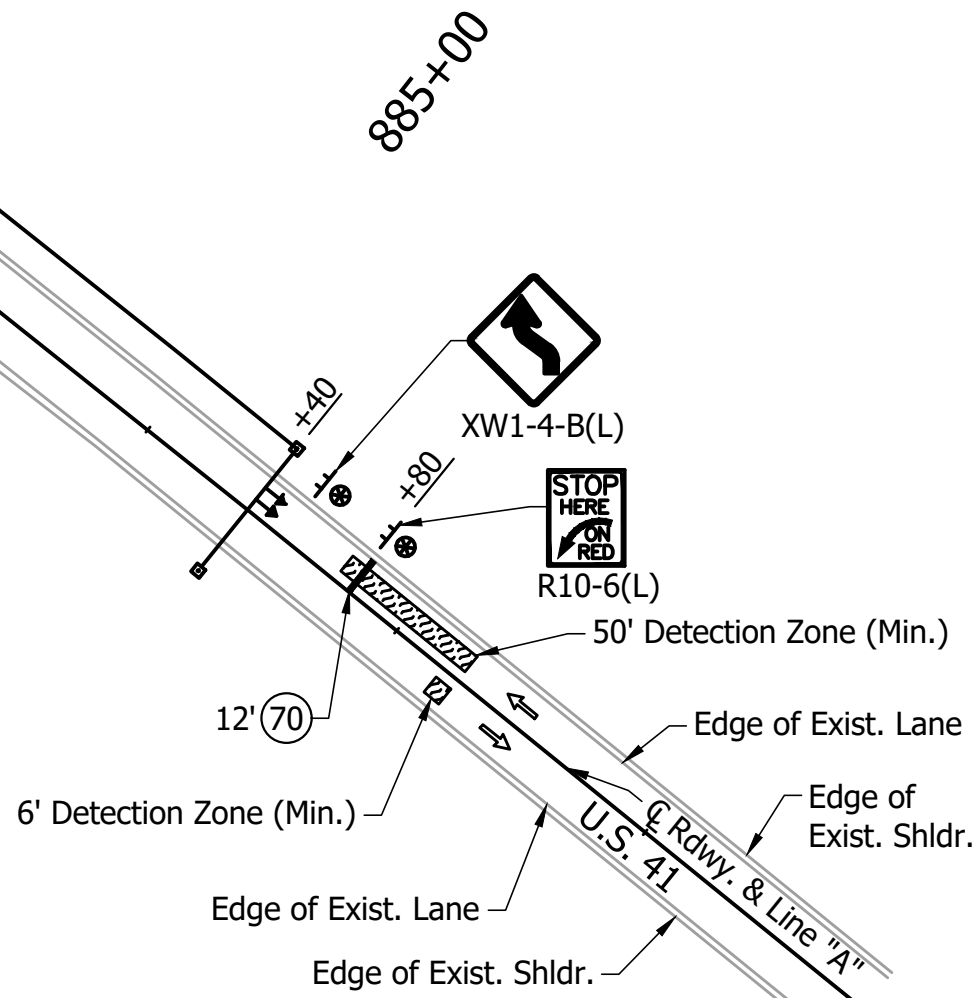
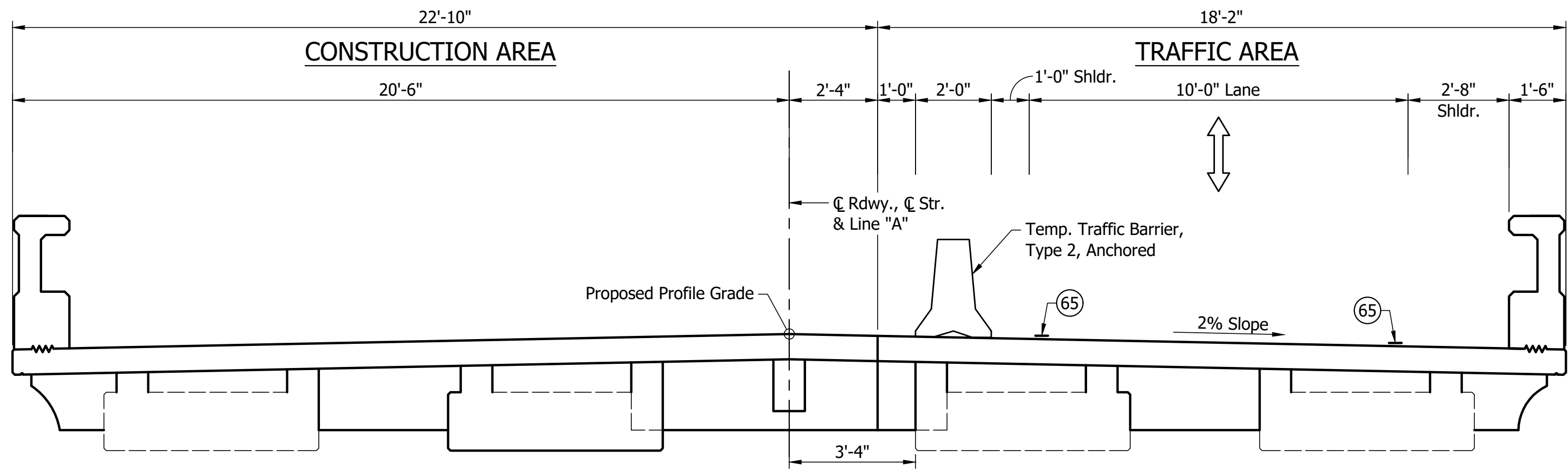
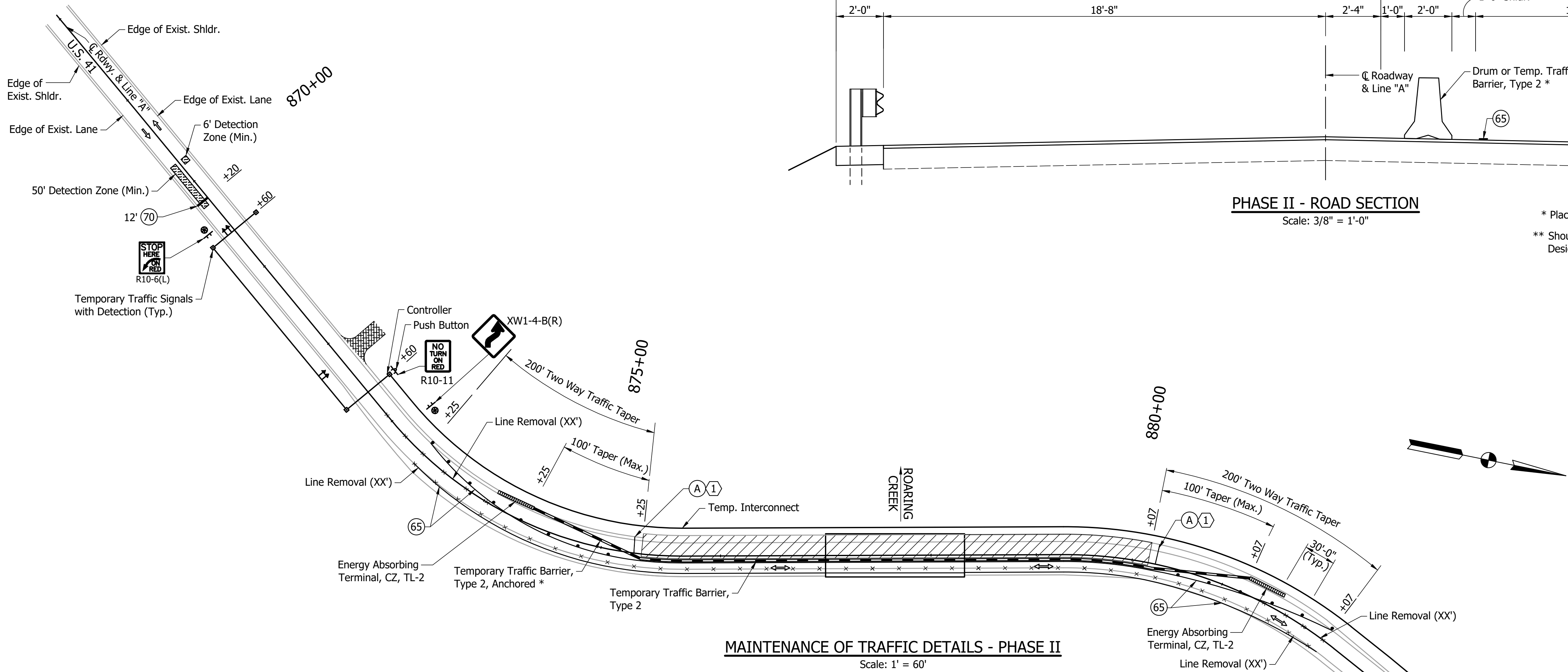


* Place Anchored Temporary Traffic Barrier along all Tapers
** Shoulder Strengthening to be determined with Final Pavement Design, if necessary.



SIGNALIZATION NOTES

Temporary wood poles to be placed as far from the edge of pavement as possible (within R/W).
2" conduit and aerial cable may be placed on either side of the structure at the option of the Contractor.
Signal controller to be provided to district signal supervisor for programming timings.
For wireless vehicle detector spacing see Recurring Plan Detail E805-T-173D.



Notes:
For Sign Placement Plan, see Sht.7.
For Maintenance of Traffic General Notes and Legend, see Sht.9.
Adjust Temporary Traffic Barriers as necessary for drives.
Access to drives to be maintained at all times.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AVW	DRAWN: SS	
CHECKED: TSW	CHECKED: AWW	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	041-61-05864 C
VERTICAL SCALE	DESIGNATION
AS NOTED	1593274
DRAWING NO.	SHEETS
	8 of 17
CONTRACT	PROJECT
B-41938	1593274

MAINTENANCE OF TRAFFIC - TOTAL QUANTITIES	
ITEM	QUANTITY
Temporary Pavement Marking, Removable, 4 in. (White)	
Temporary Transverse Pavement Marking, Removable, 24 in. (White)	
Temporary Transverse Markings, White, Stopline, 24 in.	
Construction Sign, A	
Construction Sign, B	
Construction Sign, C	
Road Closure Sign Assembly	
Temporary Traffic Barrier, Type 2, Anchored	
Temporary Traffic Signal with Detectors	
Maintaining Traffic	
Barricade, III-B	
Portable Changeable Message Sign	
Temporary Buzz Strips	
Line, Remove	

LEGEND

- 

Construction Zone
- 

Access to drives to be maintained all times.
Portions to be constructed using flagger when necessary.
- 

Construction Sign and Supports
- 

Construction Drums
- 

Low Intensity Construction Warning Light Type A
- 

Directional Traffic
- 

Line Removal
- 

Temporary Traffic Barrier, Type 2, Anchored
- 

Energy Absorbing Terminal, CZ, TL-2
- 

Push Button
- 

1-Way, 3-Section (12" Red, 12" Amber, 12" Green) Signal Indication
- 

Temporary Pole for Signal Span
- 

Barricade Type III-B & Road Closure Sign Assembly
- 

Temporary Pavement Marking, Removable, 4 in. (White)
- 

Temporary Transverse Pavement Marking, 24 in. (White Stop Line)

Type "A" Construction Signs

- 

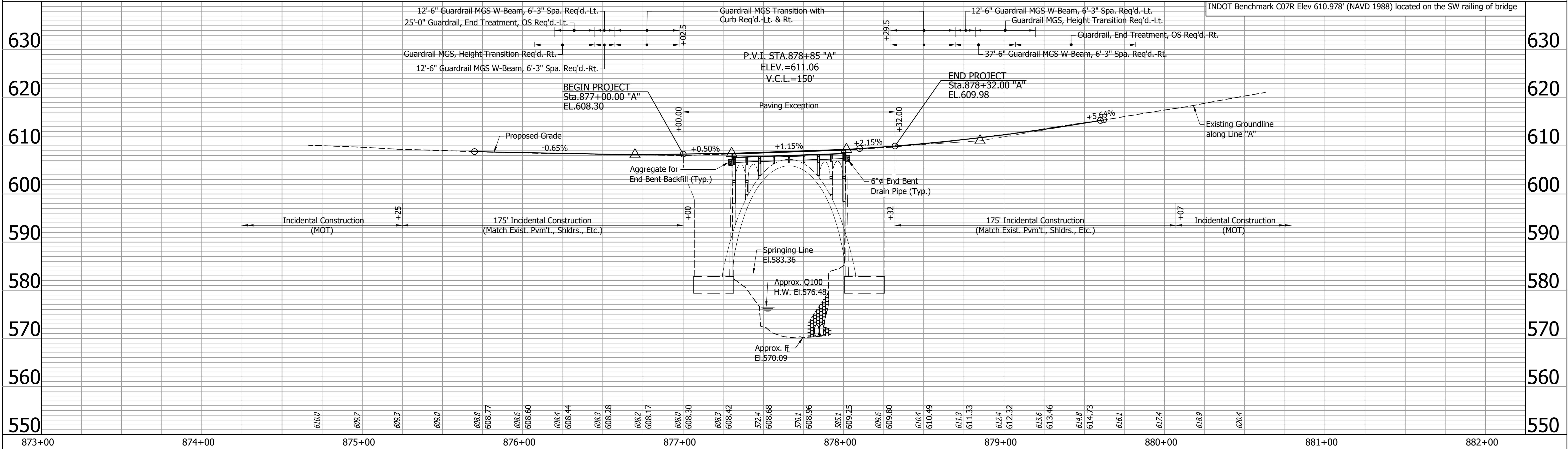
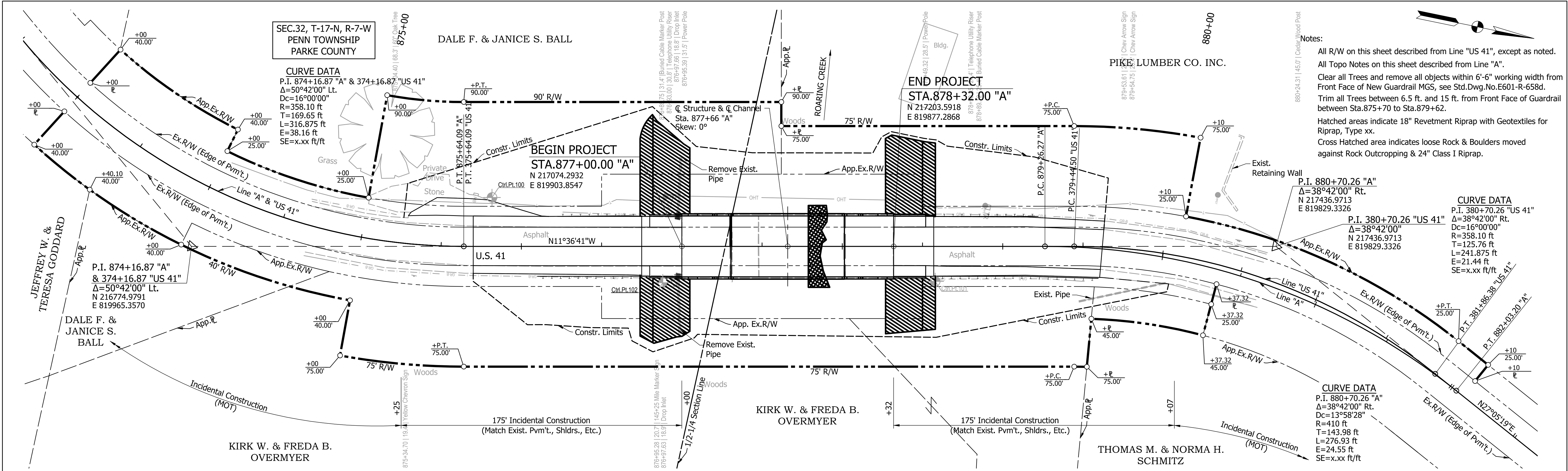
R11-2 Road Closed

MAINTENANCE OF TRAFFIC GENERAL NOTES

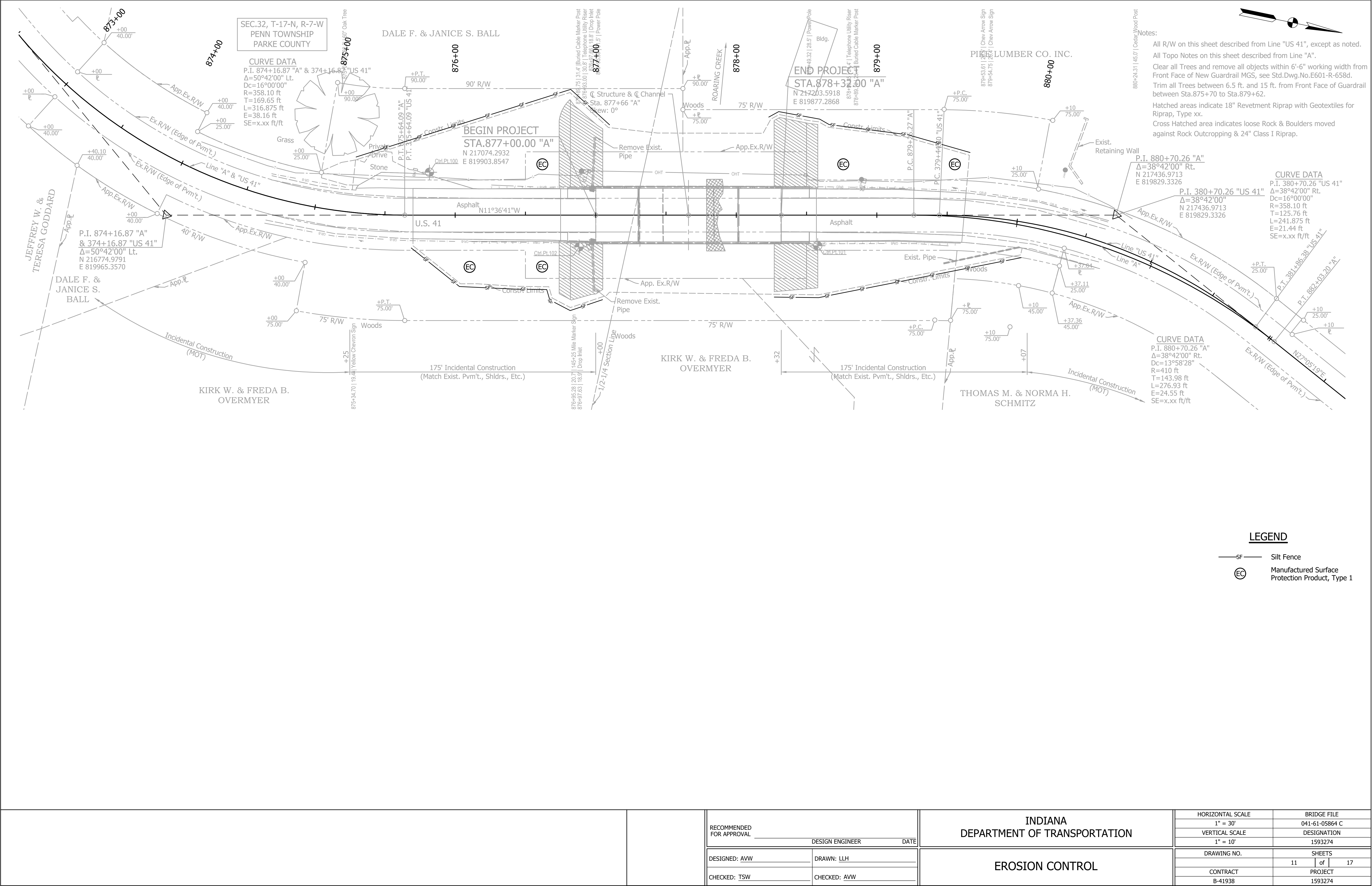
1. The Maintenance of Traffic listed here is only a recommendation and should the Contractor desire to adopt another method of maintaining traffic during construction, it shall be submitted to the Engineer for review and approval in advance of the commencement of work in the affected area.
2. All Construction Signs, Drums, and Barricades shall be equipped with Construction Warning Lights, Type A.
3. Actual construction sign location shall be determined by the Project Engineer. The locations shown are approximate and may be adjusted by the Project Engineer.
4. Existing Pavement Markings that conflict with the Maintenance of Traffic Scheme shall be removed prior to construction.
5. The Contractor shall be required to erect, furnish and maintain all construction signs and barricades as shown.
6. Maintenance of Traffic shall be in accordance with Section 104.04 of the Indiana Department of Transportation Standard Specifications, date 2014. The Indiana Manual on Uniform Traffic Control Devices, dated, 2011, with Revision #1, and the Maintaining Traffic Sequence for Individual Segments as detailed.
7. Access to drives to be maintained at all times. When construction is around drives, the Contractor shall contact the property owner and work out a time schedule that will cause the least inconvenience to the property owner.
8. Remove prismatic reflectors from snowplowable raised pavement markers as necessary where centerline markings are to be removed.
9. Remove snowplowable raised pavement markers from bridge.
10. Place Temporary Buzz Strip at each end of construction.

Notes:
For Phase I Details and Quantities, see Shts.5 - 7.
For Phase II Details and Quantities, see Shts.8 - 9.

		RECOMMENDED FOR APPROVAL _____		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE		BRIDGE FILE	
		DESIGN ENGINEER _____			N/A		041-61-05864 C	
		DATE _____			VERTICAL SCALE		DESIGNATION	
					N/A		1593274	
DESIGNED: <u>AVW</u>		DRAWN: <u>SS</u>		MAINTENANCE OF TRAFFIC	DRAWING NO.		SHEETS	
					9 of 17			
CHECKED: <u>TSW</u>		CHECKED: <u>AVW</u>			CONTRACT		PROJECT	
				B-41938		1593274		



N 819897.8250' E 216952.3080' Begin Guardrail Post 5" Oak 30.57' NE Corner 7170 MBX CONTROL PT. #100			N 819893.4640' E 217233.3630' Begin Guardrail Post 51.04' 51.61' MN Wood Guardrail Post CONTROL PT. #101			N 819928.4450' E 217067.2720' SGN 145+25 Mile Post 2.77' 1.16' MN Wood Guardrail Post CONTROL PT. #102																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Existing Conc. Bridge Rail Transition (To Be Removed) (Typ.)

Existing Conc. Bridge Rail (To Be Removed)

Existing Guardrail Transition (To Be Removed) (Typ.)

Existing Groundline along Line "A"

Remove top portion of Wing (Typ.)

Exp.

For Concrete Removal and Repair Limits, see Spandrel Arch and Spandrel Column Details (Typ.)

Remove Deteriorated and Delaminated Concrete on Columns, Abutments, and Arches as Directed by the Engineer. (Typ.)

Springing Line El.583.36

ABUTMENT NO.1

Solid Rock

Approx. Existing Groundline

Approx. Q100 H.W. El.576.48

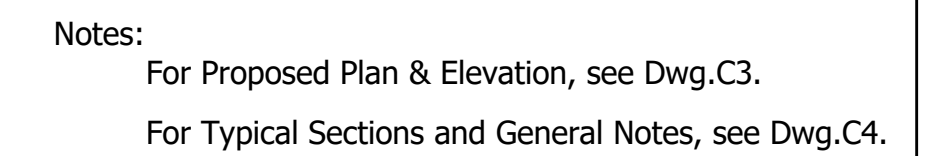
Exist. Boulders (Typ.)

Approx. El. 570.09

Solid Rock

ABUTMENT NO.2

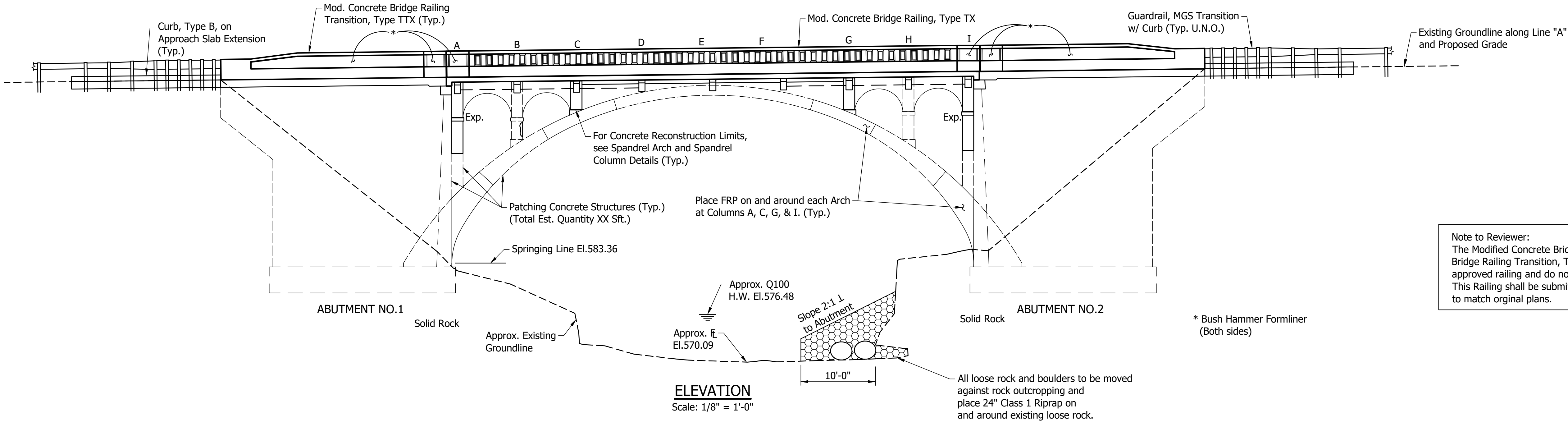
Note:
Hatched area indicates portions to be removed.



HORIZONTAL SCALE		BRIDGE FILE	
AS NOTED		041-61-05864 C	
VERTICAL SCALE		DESIGNATION	
AS NOTED		1593274	
DRAWING NO.		SHEETS	
C2 of C4	13	of	17
CONTRACT	PROJECT		
B-41938	1593274		

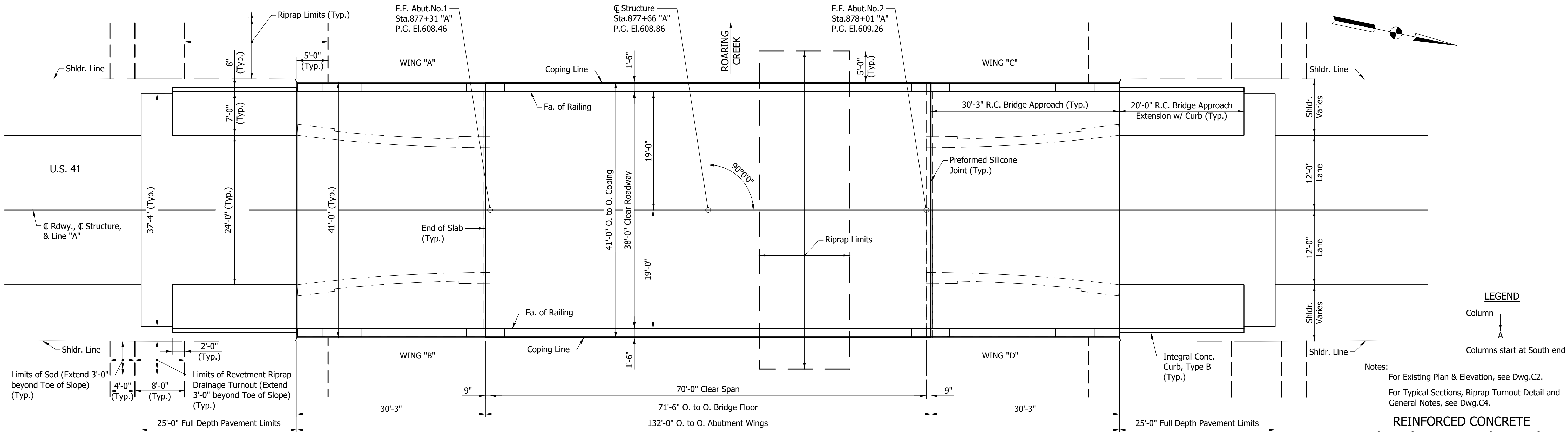
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
			AS NOTED		041-61-05864 C	
			VERTICAL SCALE		DESIGNATION	
			AS NOTED		1593274	
DESIGNED: <u>AVW</u>	DRAWN: <u>SS</u>	GENERAL PLAN EXISTING	DRAWING NO.		SHEETS	
			C2 of C4		13	of 17
CHECKED: <u>TSW</u>	CHECKED: <u>AVW</u>		CONTRACT		PROJECT	
			B-41938		1593274	

STRUCTURE BUILT TO A +1.15%± GRADE



Note to Reviewer:
The Modified Concrete Bridge Railing, Type TX and Modified Concrete Bridge Railing Transition, Type TTX are not Indiana crash tested approved railing and do not match the approved Bridge Scoping Report. This Railing shall be submitted to INDOT for approval and was modified to match original plans.

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



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

Notes:
For Existing Plan & Elevation, see Dwg.C2.
For Typical Sections, Riprap Turnout Detail and General Notes, see Dwg.C4.

REINFORCED CONCRETE
OPEN SPANDREL ARCH BRIDGE
1 SPAN: 70'-0"
38'-0" CLEAR ROADWAY SKEW: 0°
U.S. 41 OVER ROARING CREEK
PARKE COUNTY

RECOMMENDED FOR APPROVAL _____	
DESIGNED: AVW	DRAWN: SS
CHECKED: TSW	CHECKED: AVW

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PROPOSED

HORIZONTAL SCALE	BRIDGE FILE	
AS NOTED	041-61-05864 C	
VERTICAL SCALE	DESIGNATION	
AS NOTED	1593274	
DRAWING NO.	SHEETS	
C3 of C4	14	of 17
CONTRACT	PROJECT	
B-41938	1593274	

GENERAL NOTES

Chamfer exposed edges 1 inch unless otherwise noted.

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

The top of roadway surface from coping to coping, face of deck copings, underside of bridge floor from coping to outside face of exterior arch, top of approach slabs, and all exposed surfaces of wings and end bents to be sealed in accordance with Article 702.21 of the Specifications.
(Estimated Quantity = XXXX Sft.)

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

Construct Revetment Riprap and Class 1 Riprap at locations shown on the Plan and Profile Sheet.

Concrete in Deck, Stringers, and Floor Beams to be Class "C".

Concrete in Columns and Abutments to be Class "A".

Plans for existing structure are on file in the Research and Documents Section at the Indiana Department of Transportation, as Bridge File No.041-61-5864B and are available upon request.

Original and Rehabilitation Plans do not indicate a design loading.

DESIGN DATA

LIVE LOAD

Deck, Stringers, and Floor Beams Designed for HL-93 loading, in accordance with the 2018 AASHTO LRFD Bridge Design Specifications.

DEAD LOAD

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

FLOOR SLAB

Designed for HL-93 Loading with a 1/2" sacrificial wearing surface.

DESIGN STRENGTHS

To be in accordance with 2018 AASHTO LRFD Bridge Design Specifications.

CONCRETE:

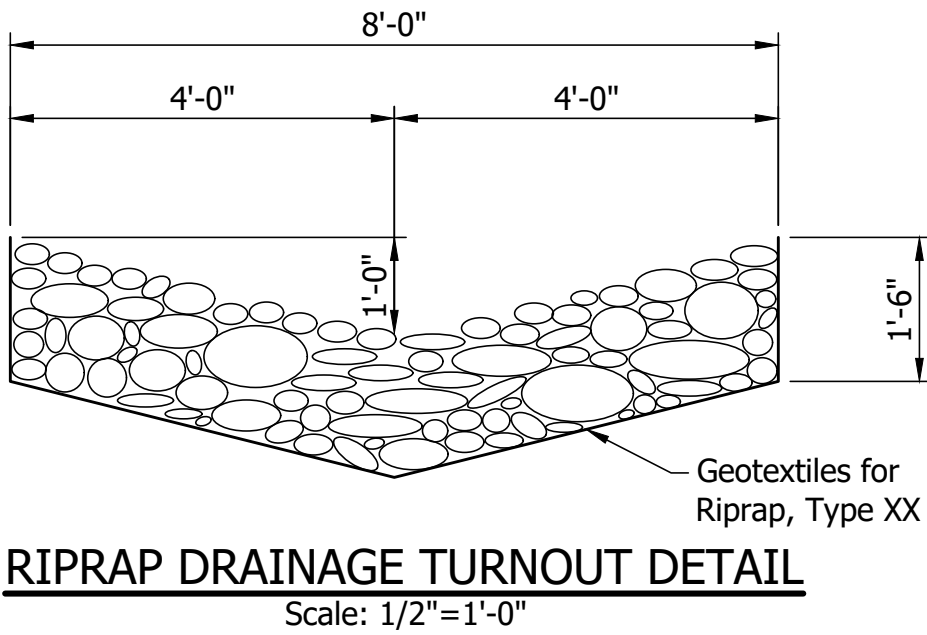
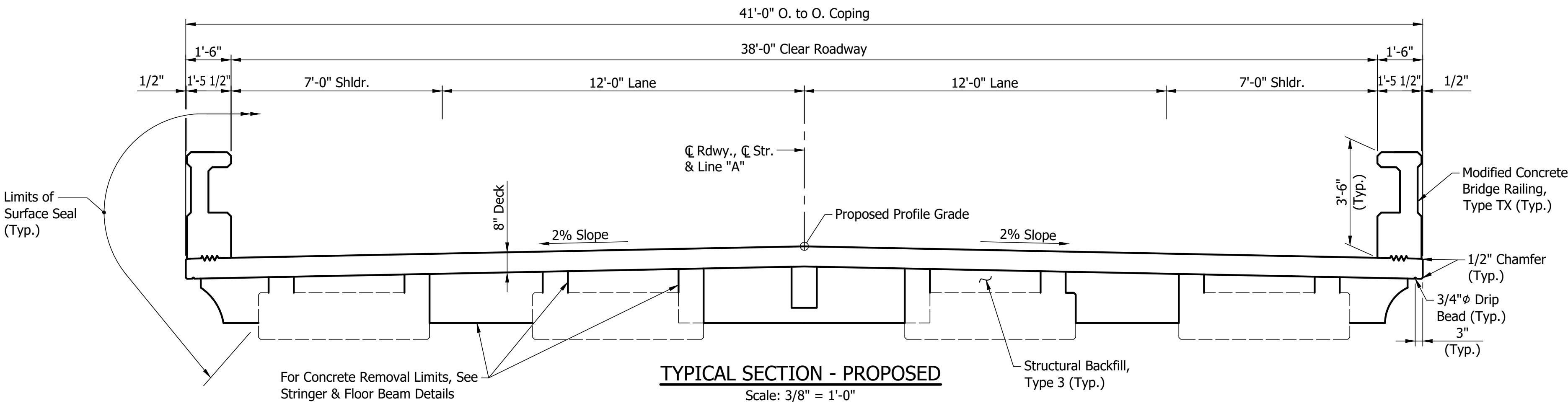
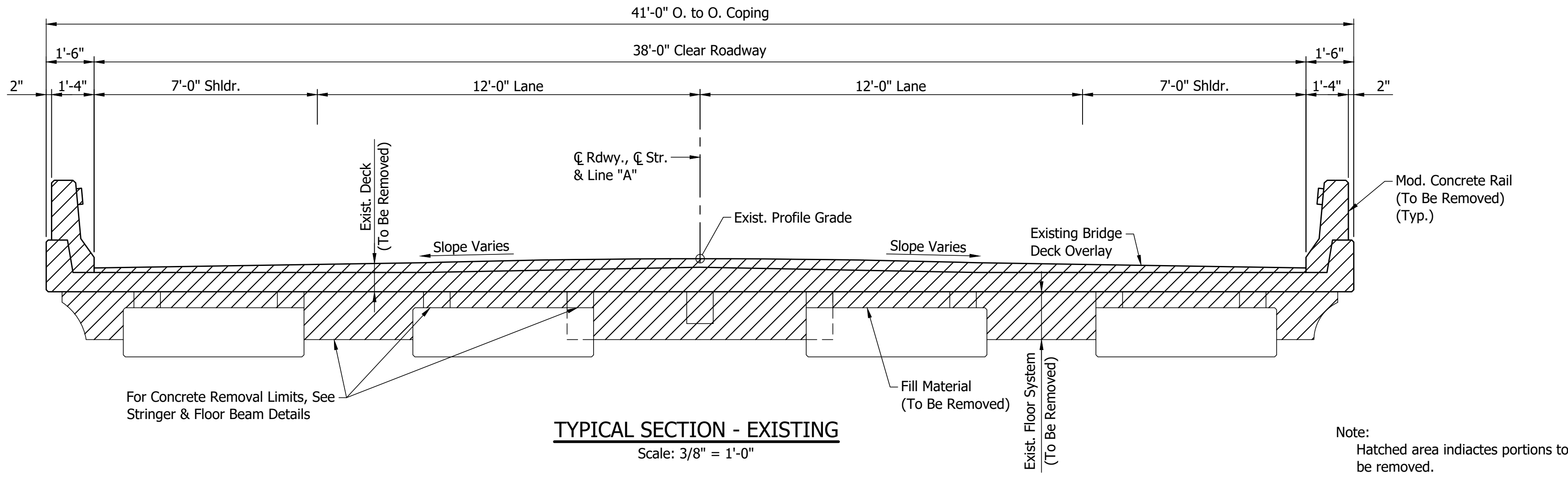
Class "A": f'c=3,500 psi
Class "C": f'c=4,000 psi

REINFORCING STEEL:

Grade 60: fy=60,000 psi

Notes:
For Existing Plan & Elevation, see Dwg.C2.
For Proposed Plan & Elevation, see Dwg.C3.

REINFORCED CONCRETE
OPEN SPANDREL ARCH BRIDGE
1 SPAN: 70'-0"
38'-0" CLEAR ROADWAY SKEW: 0°
U.S. 41 OVER ROARING CREEK
PARKE COUNTY



RECOMMENDED FOR APPROVAL _____	
DESIGNED: AVW	DRAWN: SS
CHECKED: TSW	CHECKED: AWW

INDIANA DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN TYPICAL SECTIONS	

HORIZONTAL SCALE	BRIDGE FILE	
AS NOTED	041-61-05864 C	
VERTICAL SCALE	DESIGNATION	
AS NOTED	1593274	
DRAWING NO.	SHEETS	
C4 of C4	15	of 17
CONTRACT	PROJECT	
B-41938	1593274	

SUMMARY OF BRIDGE QUANTITIES

ITEM	CONCRETE				RAILING, CONCRETE, FC, MOD.	THREADED TIE BAR ASSEMBLY, EPOXY COATED	REINF. BARS EPOXY COATED	GRATES, BASINS, & FITTINGS	GEOTEXTILES	REINF. CONC. BRIDGE APPROACH (10")	DENSE GRADED SUBBASE	PAVED SIDE DITCH, TYPE A, MODIFIED	DRILLED HOLE	PIPE, ROADWAY DRAIN CASTING EXTENSION	CASTING, ADJUST TO GRADE	AGGREGATE FOR END BENT BACKFILL	SLOPEWALL, REMOVE	SURFACE MILLING	BRIDGE DECK OVERLAY, ADDITIONAL	OVERLAY DAM	CONCRETE BRIDGE TRANSITION, TFC	STRUCTURE BACKFILL, TYPE I, MODIFIED	HYDRO- DEMOLITION	BRIDGE DECK PATCHING, FULL DEPTH	BRIDGE DECK OVERLAY	BRIDGE DECK OVERLAY, REMOVE	PATCHING CONCRETE STRUCTURES	SURFACE SEAL*
	CLASS C	CLASS B		CLASS A																								
	SUPERSTR. CYS	ABOVE FTG. CYS	IN FTG. CYS	SUBSTR. CYS																								
ABUTMENT NO.1					LFT	EACH	LBS	EACH	SYS	SYS	CYS	LFT	EACH	EACH	EACH	CYS	SYS	SYS	CYS	SFT	EACH	CYS	SYS	SFT	SYS	SYS	SFT	SFT
ABUTMENT NO.2																												
SUPERSTRUCTURE																												
R.C. BRIDGE APPROACH - ABUT. NO.1																												
R.C. BRIDGE APPROACH - ABUT. NO.2																												
TOTALS																												

* Estimated Quantity

Note to Reviewer:
Tables to be filled out at future Submittals.

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER _____	DATE _____
DESIGNED: AVW _____	DRAWN: SS _____
CHECKED: TSW _____	CHECKED: AWW _____

INDIANA
DEPARTMENT OF TRANSPORTATION

BRIDGE SUMMARY OF QUANTITIES

HORIZONTAL SCALE	BRIDGE FILE	
N/A	041-61-05864 C	
VERTICAL SCALE	DESIGNATION	
N/A	1593274	
DRAWING NO.	SHEETS	
	16	of 17
CONTRACT	PROJECT	
B-41938	1593274	

[illegible][illegible][illegible]

		PAVEMENT MARKING TABLE				
LOCATION STATION		4 IN., THERMO, SOLID WHITE EDGE LINE	4 IN., THERMO, SOLID YELLOW CENTERLINE	TRANSVERSE MARKING, THERMO, CROSSWALK, 6 IN.	4 IN., MULTICOMPONENT, SOLID, YELLOW CENTERLINE	TRANSVERSE MARKING, THERMO, STOP LINE, 24 IN.
TOTALS						

[illegible]

R/W MARKER SUMMARY				
LT./RT.	STATION	OFFSET (ft)	NO. REQ'D.	FLUSH MOUNT
TOTALS				

MAILBOX APPROACHES						
LT./RT.	C BOX STATION	DESCRIPTION	WIDTH, W (FT)	ASSEMBLY REQ'D		
				SINGLE	DOUBLE	TRIPLE
TOTAL						

Note to Reviewer:
Tables to be filled out at future Submittals.

[illegible][illegible]

		RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION			HORIZONTAL SCALE		BRIDGE FILE	
						N/A		041-61-05864 C	
			VERTICAL SCALE		DESIGNATION				
			N/A		1593274				
		DESIGNED: <u>AVW</u> _____ DRAWN: <u>SS</u> _____ CHECKED: <u>TSW</u> _____ CHECKED: <u>AVW</u> _____	ROAD SUMMARY OF QUANTITIES			DRAWING NO.		SHEETS	
						17 of 17			
			CONTRACT		PROJECT				
			B-41938		1593274				