

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	1
		ILLINOIS	CONTRACT NO. 68E86	

D-94-021-19

FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY STANDARDS

000001-09	602401-07	701001-02	701801-06	B.L.R. 22-7
280001-07	602701-02	701006-05	701901-11	B.L.R. 23-4
420401-13	604001-05	701011-04	704001-08	
420701-03	606001-09	701201-05	720001-01	
424016-06	631011-10	701301-04	720006-04	
482001-02	631026-06	701400-12	720011-01	
515001-04	631031-18	701401-13	725001-01	
542301-03	635001-02	701402-12	728001-01	
601001-05	643001-03	701406-13	780001-05	
601101-02	664001-02	701428-01	782006-01	

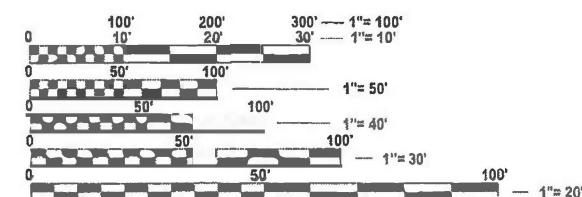
I-474

FUNCTIONAL CLASSIFICATION:
INTERSTATE
2017 ADT = 29,200
2037 ADT = 35,600
MU = 2900, SU = 1075

CLOSEN RD (FAU 3200)

FUNCTIONAL CLASSIFICATION:
LOCAL HIGHWAY
2017 ADT = 500
2032 ADT = 903
MU = 10, SU = 25

PROJECT IS LOCATED IN
LIMESTONE TOWNSHIP IN
UNINCORPORATED PEORIA TOWNSHIP



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: DANIEL CORP (309)-671-3453
PROJECT MANAGER: ANNA DEVINE (309)-671-3475

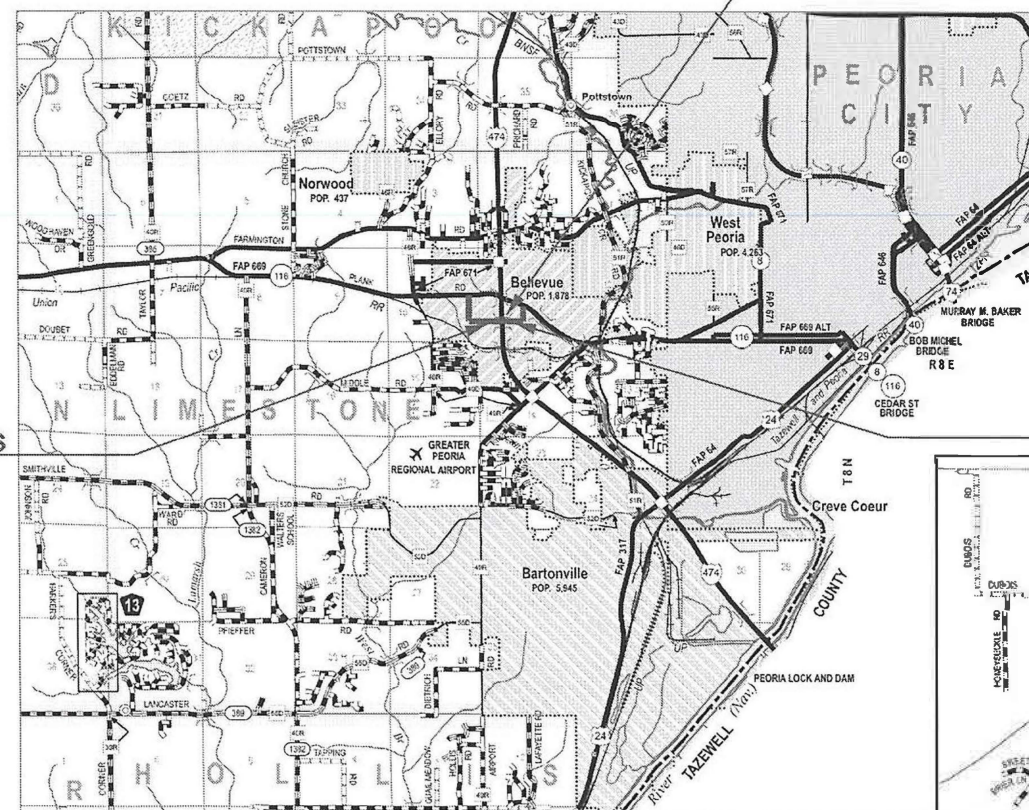
CONTRACT NO. 68E86

PROPOSED HIGHWAY PLANS

CLOSEN ROAD OVER FAI ROUTE 474 (I-474) SECTION (72-3HB-3)BR PROJECT BR-IGTQ(027) BRIDGE REPLACEMENT PEORIA COUNTY

C-94-034-19

BRIDGE REPLACEMENT
STA. 237+76.77
EXIST SN 072-0123
PROP SN 072-0257



PROJECT BEGINS
STA. 17+40.4
CLOSEN RD.

PROJECT ENDS
STA. 21+74.5
CLOSEN RD.



LOCATION MAP NOT TO SCALE

PROJECT DESCRIPTION:
THIS PROJECT CONSISTS OF BRIDGE REPLACEMENT,
APPROACH PAVEMENT IMPROVEMENTS, AND ANY
OTHER COLLATERAL WORK NECESSARY TO
COMPLETE THE PROJECT.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 30 2026
Kensel A. Barnett RSO
REGIONAL ENGINEER
August 14 2026
Stanley J. Fearday
ENGINEER OF DESIGN AND ENVIRONMENT
August 14 2026
Stanley J. Fearday
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GROSS LENGTH = 434 FT. = 0.082 MILE
NET LENGTH = 434 FT. = 0.082 MILE

STANLEY J. FEARDAY
LICENSE EXPIRES 11-30-2027
THE UPCHURCH GROUP, INC.
MATTOON, ILLINOIS 61938

5-21-2026

GENERAL NOTES

SOILS REPORT AVAILABILITY

THE SOILS REPORT AND ALL SOILS DATA COLLECTED AND PROCESSED IN CONJUNCTION WITH THE DESIGN OF IMPROVEMENT IS ON FILE AT THE DISTRICT OFFICE WHERE IT IS AVAILABLE FOR INSPECTION BY CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT AND DATA HAVE BEEN MADE AVAILABLE, THAT THE CONTRACTOR IS AWARE OF THE REPORT CONTENTS AND APPENDICES, AND THAT THE SOILS REPORT IS PART OF THE CONTRACT DOCUMENTS.

AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM. SPECIFICALLY NAVD88 (GEOID09)

TREE REMOVAL RESTRICTIONS

DUE TO THE POTENTIAL PRESENCE OF ENDANGERED BATS, NO TREE REMOVAL WILL BE ALLOWED ON THIS PROJECT BETWEEN APRIL 1ST AND SEPTEMBER 30TH.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (BORROW SITE REVIEW)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

SEEDING - SIDESLOPE RIPPING

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT (4.5 M) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES (450 MM TO 600 MM) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT (3.6 M). THIS WORK SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb / sq ft
Existing Pavement	0.08 lb / sq ft
Fog Coat (between lifts)	0.08 lb / sq ft

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE HMA SURFACE COURSE.

PAVING SURFACE COURSE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

ADDITIONAL SUPPLEMENTAL TRAFFIC CONTROL

THE DEPARTMENT RESERVES THE RIGHT AT ANY TIME TO ADD ADDITIONAL TRAFFIC CONTROL SYSTEMS OR DEVICES WITHIN THE ACTIVE CONTRACT LIMITS, BY MEANS OF AN ADDITIONAL CONTRACT. ALL TERMS OF ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS SHALL BE FOLLOWED BY EACH CONTRACTOR.

INDEX OF SHEETS

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COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NO COMMITMENTS.

PROJECT SPECIFIC GENERAL NOTES

THE LOCATION OF THE RIGHT OF WAY LINES SHOWN ON THESE PLANS WERE DETERMINED USING RIGHT OF WAY PLANS PROVIDED BY IDOT AND FROM THE LOCATIONS OF RIGHT OF WAY MARKERS FOUND IN THE FIELD. THE RIGHT OF WAY LINES WERE NOT DETERMINED BY ACTUAL BOUNDARY OR RIGHT OF WAY SURVEYS.

THE CONTRACTOR SHALL PROTECT ADJACENT PRIVATE PROPERTY DURING CONSTRUCTION IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL COMPLY WITH BELLEVUE'S LOCAL ORDINANCES DURING CONSTRUCTION IN ACCORDANCE WITH ARTICLE 107.01 OF THE STANDARD SPECIFICATIONS.

FAA HEIGHT RESTRICTIONS

LOCATION: BELLEVUE, IL.

LATITUDE: 40-40-22.04 N NAD 83

LONGITUDE: 89-40-12.10 W

HEIGHTS: 635 FEET SITE ELEVATION (SE)

125 FEET ABOVE GROUND LEVEL (AGL)

760 FEET ABOVE MEAN LEVEL (AMS)

NOTE: CONTRACTOR TO FILE PERMIT WITH THE FAA WITHIN 10 DAYS OF THE EXECUTED CONTRACT.

MODEL: D468E86-sh-genote (Sheet)
FILE NAME: P:\Civil\DOT_DISTA\PTB 2144036 var PH LH 31725005\WO #2 Closen Road 31725005-02\D468E86-WO2-ClosenRd\CADDData\CADSheets\D468E86-sh-genote-Mix Design & Soil.dgn

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DRAWN -

CHECKED -

PLOT DATE = 6/22/2026

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, PROJECT SPECIFIC NOTES, AND COMMITMENTS

CLOSEN ROAD OVER I-474

SCALE:

SHEET 1 OF 2 SHEETS

STA.

TO STA.

F.A.I RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

474

(72-3HB-3)BR

PEORIA

108

2

CONTRACT NO. 68E86

ILLINOIS FED. AID PROJECT

STATUS OF UTILITIES

CLOSEN ROAD AT I-474						
ROUTE	OFFSET	LOCATION	COMPANY	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
CLOSEN ROAD	10' LT	STA 17+40 TO STA 21+75	AT&T DISTRIBUTION	ATTACHED FIBER	STRUCTURE REMOVAL	RELOCATE PRIOR TO CONSTRUCTION
CLOSEN ROAD	RT	STA 17+95	AMEREN GAS	BURIED GAS	GUARDRAIL END SECTION	CAUTION
CLOSEN ROAD	LT	STA 18+15	ILLINOIS AMERICAN WATER	WATERLINE	NEW SEWER	RELOCATE
CLOSEN ROAD	20' LT	STA 18+25	AMEREN ELECTRIC	POWER POLE	BRIDGE CONSTRUCTION	RELOCATE PRIOR TO CONSTRUCTION
CLOSEN ROAD	LT	STA 18+28	ILLINOIS AMERICAN WATER	WATERLINE	NEW GUARDRAIL & FENCE	CAUTION
CLOSEN ROAD	20' LT	STA 21+45	AMEREN ELECTRIC	POWER POLE	BRIDGE CONSTRUCTION	RELOCATE PRIOR TO CONSTRUCTION
CLOSEN ROAD	LT	STA 20+70	ILLINOIS AMERICAN WATER	WATERLINE	NEW GUARDRAIL & FENCE	CAUTION
CLOSEN ROAD	RT	STA 21+75	AMEREN GAS	BURIED GAS	GUARDRAIL	CAUTION
I-474	LT/RT	STA 237+35	ILLINOIS AMERICAN WATER	WATER	NEW STRUCTURE	CAUTION
I-474	LT/RT	STA 238+25	AMEREN GAS	BURIED GAS	NEW STRUCTURE	CAUTION

HMA MIXTURE REQUIREMENT TABLE:

LOCATION(S):	CLOSEN ROAD	I-474 SHOULDER	
MIXTURE USES(S):	SURFACE	SURFACE	BINDER COURSE, VARIABLE DEPTH
	POLYMER SURFACE (1.5" MIN./1.75" MAX.)	POLYMER SURFACE (1.5" MIN./1.75" MAX.)	LOWER LIFTS (2.5" MIN./3.5"MAX.)
AC/PG:	SBS OR SBR 70-28	SBS OR SBR 70-28	58-28
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE):	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIX "D"	MIX "D"	N/A
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
PAY ITEM NUMBER:	40604160	40604160	48203033

- NOTES:
- 1) INDIVIDUAL LIFT THICKNESSES OF EACH MIX WILL BE NO LESS THAN THREE (3) TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN FIVE (5) TIMES NOMINAL AGGREGATE MAXIMUM SIZE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 2) FOR DESIGN PURPOSES, MIXTURE WEIGHT FOR ALL MIXES IS DETERMINED TO BE 112.0 LB./S.Y./IN., UNLESS OTHERWISE NOTED.
- 3) SUBLOT SIZES FOR PFP AND QCP MIXES WILL BE 1,000 TONS, UNLESS OTHERWISE AGREED TO BY THE ENGINEER AND THE PAVING CONTRACTOR

MODEL: D:\68E86-sht-Mix Design-ScrtU [Sheet]
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PLOT DATE = 6/22/2026

REVISED -

REVISED -

REVISED -

DATE -

REVISED -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

STATUS OF UTILITIES & MIX DESIGN

CLOSEN ROAD OVER I-474

SCALE:

SHEET 2 OF 2 SHEETS

STA.

TO STA.

F.A.I RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

474

(72-3HB-3)BR

PEORIA

108

3

ILLINOIS

FED. AID PROJECT

CONTRACT NO. 68E86

MODEL: D468E86-sht-SOQ-01 (Sheet)
FILE NAME: PACivil_IDOT_DIST\PTB 214-036 var PH I-I 3125005\WO #2 Closen Road 3125005-02\468E86-WO2-ClosenRd\CADDData\CADsteels\D468E86-sht-SOQ.dgn

				CONSTRUCTION CODE
				90% FED 10% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0010
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	54	54
20200100	EARTH EXCAVATION	CU YD	610	610
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20	20
20800150	TRENCH BACKFILL	CU YD	14	14
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	409	409
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	4195	4195
25000305	SEEDING, CLASS 3A	ACRE	1.00	1.00
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	90
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90	90
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	90
** 25000750	MOWING	ACRE	0.50	0.50
25100115	MULCH, METHOD 2	ACRE	1.25	1.25
25100630	EROSION CONTROL BLANKET	SQ YD	1443	1443
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	28	28

* SPECIALTY ITEM
** 100% STATE

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/22/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CLOSEN ROAD OVER I-474

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	4
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D468E86-sht-SQ-Q02 (Sheet)
FILE NAME: PACivil_IDOT_DISTA\PTB 214-036 var PH I-I 3125005\WO #2 Closen Road 3125005-02\D468E86-WO2-ClosenRd\CADDData\CADsteels\D468E86-sht-SQ-Q.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				90% FED 10% STATE
				BRIDGE
				0010
28000305	TEMPORARY DITCH CHECKS	FOOT	56	56
28000400	PERIMETER EROSION BARRIER	FOOT	710	710
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100227	STONE RIPRAP, CLASS B4	TON	30	30
28200200	FILTER FABRIC	SQ YD	47	47
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	31	31
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	362	362
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	128	128
40600990	TEMPORARY RAMP	SQ YD	128	128
40604160	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	36	36
42000060	WELDED WIRE REINFORCEMENT	SQ YD	100	100
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	135	135
44000100	PAVEMENT REMOVAL	SQ YD	339	339
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	251	251

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES CLOSEN ROAD OVER I-474			
SCALE:	SHEET 2	OF 8	SHEETS
STA.	TO STA.		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	5
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D468E86-sht-SQ-Q03 [Sheet]
FILE NAME: PACivil_IDOT_DIST\IPTB 214-036 var PH I-I 3125005\WO #2 Closen Road 3125005-02\I468E86-WO2-ClosenRd\CADDData\CAD\steels\D468E86-sht-SQ-Q.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				90% FED 10% STATE
				BRIDGE
				0010
44004250	PAVED SHOULDER REMOVAL	SQ YD	42	42
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	21	21
48101200	AGGREGATE SHOULDERS, TYPE B	TON	63	63
48203027	HOT-MIX ASPHALT SHOULDERS, 7 1/2"	SQ YD	42	42
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50157300	PROTECTIVE SHIELD	SQ YD	374	374
50200100	STRUCTURE EXCAVATION	CU YD	385	385
50300225	CONCRETE STRUCTURES	CU YD	207.7	207.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	465.7	465.7
50300260	BRIDGE DECK GROOVING	SQ YD	941	941
50300300	PROTECTIVE COAT	SQ YD	1613	1613
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	116.6	116.6
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	LSUM	1	1
50500505	STUD SHEAR CONNECTORS	EACH	2988	2988

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DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES CLOSEN ROAD OVER I-474			
SCALE:	SHEET 3	OF 8	SHEETS
STA.	TO STA.		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	6
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D468E86-sht-SQ-Q04 (Sheet)
FILE NAME: PACivil_IDOT_DISTA\PTB 214-036 var PH I-I 3125005\WO #2 Closen Road 3125005-02\D468E86-WO2-ClosenRd\CADDData\CADsteels\D468E86-sht-SQ-Q.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				90% FED 10% STATE
				BRIDGE
				0010
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	159840	159840
50901739	BRIDGE FENCE RAILING, CURVED	FOOT	527	527
51100100	SLOPE WALL 4 INCH	SQ YD	1260	1260
51201900	FURNISHING STEEL PILES HP14X89	FOOT	390	390
51202305	DRIVING PILES	FOOT	390	390
51203900	TEST PILE STEEL HP14X89	EACH	1	1
51204650	PILE SHOES	EACH	12	12
51500100	NAME PLATES	EACH	1	1
52100520	ANCHOR BOLTS, 1"	EACH	48	48
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
550A0070	STORM SEWER, CLASS A, TYPE 1 15"	FOOT	100	100
55100700	STORM SEWER REMOVAL 15"	FOOT	90	90
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	227	227
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	106	106

* SPECIALTY ITEM
** 100% STATE

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architects

engineers

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PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES CLOSEN ROAD OVER I-474			
SCALE:	SHEET 4	OF 8	SHEETS
STA.		TO STA.	

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	7
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D:\68E86-sh\500-05 (Sheet)
FILE NAME: P:\Civil\IDOT_DISTA\PTB 2144-036 var PH I-11 3125005\WO #2 Closen Road 3125005-02\1468E86-WO2-ClosenRd\CADDData\CADSheets\1468E86-sh\500.dgn

				CONSTRUCTION CODE
				90% FED 10% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0010
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	161	161
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60500040	REMOVING MANHOLES	EACH	1	1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	43	43
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	7
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1
*	63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
	63200310	GUARDRAIL REMOVAL	FOOT	153
	66400305	CHAIN LINK FENCE, 6'	FOOT	234
	66403300	CHAIN LINK GATES, 6'x10' SINGLE	EACH	3
*	66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1

* SPECIALTY ITEM
** 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CLOSEN ROAD OVER I-474

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	8
CONTRACT NO. 68E86				
ILLINOIS		FED. AID PROJECT		

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				CONSTRUCTION CODE
				90% FED 10% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0010
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
67100100	MOBILIZATION	LSUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	55	55
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1760	1760
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3620	3620
70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	4	4
* 72400735	REMOVE AND RELOCATE SIGN PANEL - TYPE 1	SQ FT	18	18
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	28	28
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	200	200
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	40	40
* 78100300	REPLACEMENT REFLECTOR	EACH	20	20

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CLOSEN ROAD OVER I-474

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	9
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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				CONSTRUCTION CODE	
				90% FED 10% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	
				0010	
*	X5080530	BAR TERMINATORS	EACH	488	488
	X5211625	HIGH LOAD MULTI-ROTATIONAL BEARINGS, DISC, GUIDED EXPANSION - 500K	EACH	6	6
*	X5230174	DRAINAGE SCUPPERS, DS-11	EACH	4	4
	X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	47	47
*	X6021065	INLETS, TYPE G-1 (SPECIAL)	EACH	1	1
	X6310164	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1	1
*	X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	50	50
	X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	16	16
*	X6431210	REMOVE AND REPLACE ATTENUATOR BASE	EACH	2	2
	X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	2	2
*	X6640104	FENCE REMOVAL	FOOT	265	265
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1
*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	20	20
	Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	79	79

* SPECIALTY ITEM
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CLOSEN ROAD OVER I-474

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	10
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

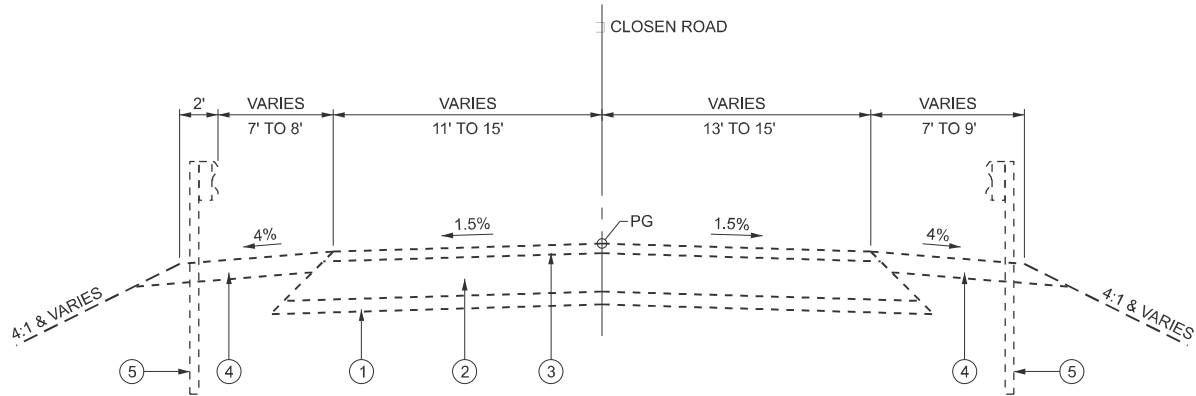
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* SPECIALTY ITEM
** 100% STATE
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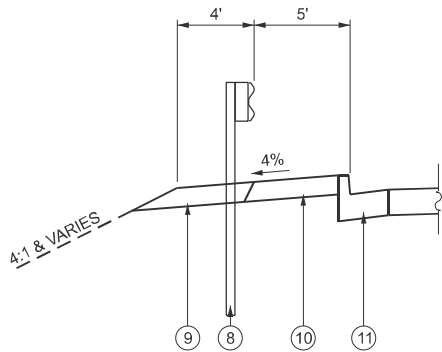
The Upchurch Group architects engineers surveyors Professional Design Firm Corporation License No. 18460125-0010 123 North 15th Street Matteson, IL 61938 Phone: 217-235-3177 Email: upchurchgroup.com	USER NAME = BethCatt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CLOSED ROAD OVER I-474	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			474	(72-3HB-3)BR	PEORIA	108	11
		CHECKED -	REVISED -			CONTRACT NO. 68E86				
	PLOT DATE = 6/22/2026	DATE -	REVISED -			SCALE:	SHEET 8	OF 8 SHEETS	STA.	TO STA.
						ILLINOIS FED. AID PROJECT				

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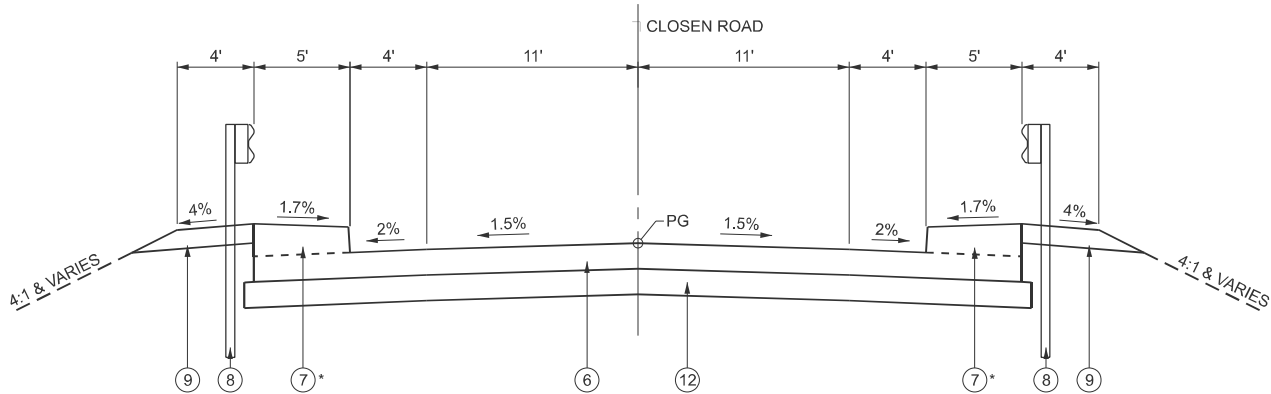
EXISTING TYPICAL SECTION

STA. 18+32.00 TO STA. 18+68.21
STA. 21+28.04 TO STA. 21+64.50



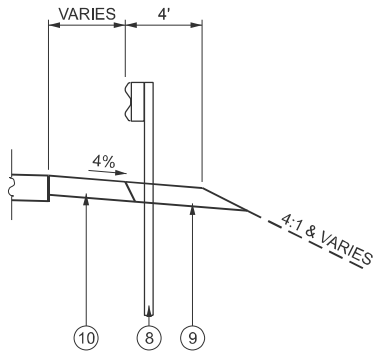
LEFT SHOULDER DETAIL

STA. 17+90.80 TO STA. 18+32.00



PROPOSED TYPICAL SECTION

STA. 18+32.00 TO STA. 18+47.00
STA. 21+49.50 TO STA. 21+64.50



SHOULDER DETAIL

LT. STA. 21+64.50 TO STA. 21+82.00
RT. STA. 17+60.00 TO STA. 18+32.00
RT. STA. 21+64.50 TO STA. 22+00.00

LEGEND

- | EXISTING ITEMS | PROPOSED ITEMS |
|--|--|
| ① EXIST. 4" SUB-BASE GRANULAR MATERIAL, TYPE A | ⑥ PCC CONNECTOR |
| ② EXIST. 12" AGG. BASE COURSE, TYPE B | ⑦ SIDEWALK |
| ③ EXIST. HMA OVERLAY, 3" MIN. | ⑧ GUARDRAIL |
| ④ EXIST. AGG. SHOULDER | ⑨ GUARDRAIL AGGREGATE EROSION CONTROL 8" |
| ⑤ EXIST. GUARDRAIL | ⑩ AGG. SHOULDER TYPE B 8" |
| | ⑪ CCCG, TYPE B-6.24 |
| | ⑫ SUBBASE GRANULAR MATERIAL, TYPE A 4" |

NOTE:

* VARY CURB HEIGHT TO FORM SIDEWALK RAMPS ON PAVEMENT CONNECTORS.
CURB HEIGHT SHALL VARY FROM 8" AT END OF APPROACH SLAB TO MATCH EXISTING ELEVATION AT END OF PAVEMENT CONNECTOR (PCC).

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS CLOSEN ROAD
CLOSEN ROAD OVER I-474**

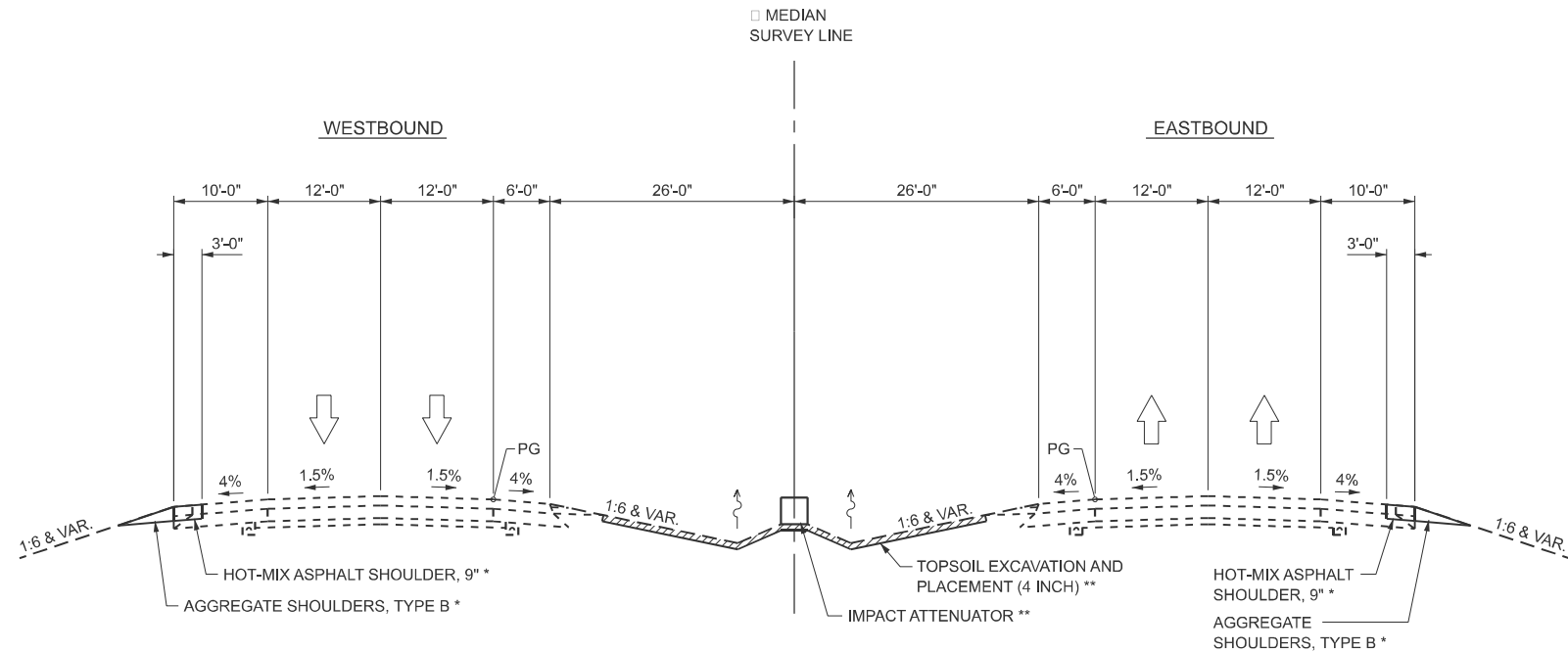
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	12
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



- | <u>EXISTING ITEMS</u> | |
|-----------------------|--------------------------------------|
| ① | EXISTING 8" C.R.P.C.C. PAVEMENT |
| ② | EXISTING 4" STABILIZED SUB-BASE |
| ③ | EXISTING 4" PIPE UNDERDRAIN |
| ④ | EXISTING HOT-MIX ASPHALT SHOULDERS |
| ⑤ | EXISTING AGGREGATE SHOULDERS, TYPE B |
| ⑥ | EXISTING OVERLAY, ±6" |
| ⑦ | EXISTING IMPACT ATTENUATOR |
| ⑧ | EXISTING STRUCTURE |
| ⑨ | EXISTING CONCRETE SLOPEWALL |

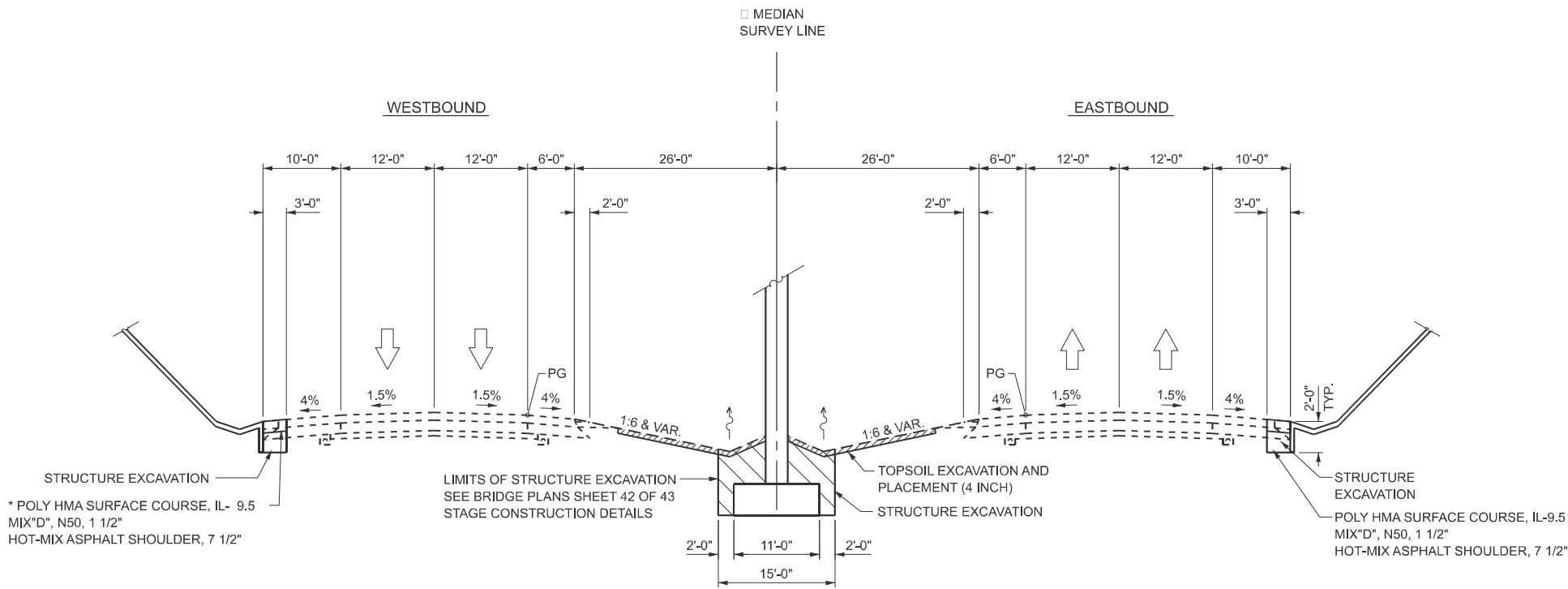
- STRUCTURE REMOVAL
TO BE REMOVED



PROPOSED TYPICAL SECTION I-474

STA. 237+10.00 TO STA. 237+50.77
STA. 238+02.77 TO STA. 239+42.00

* STA. 237+46.00 TO STA. 237+50.77
* STA. 238+02.77 TO STA. 238+08.00
** STA. 237+25 TO STA. 237+55
** STA. 237+98 TO STA. 238+28



PROPOSED TYPICAL SECTION I-474

STA. 237+50.77 TO STA. 238+02.77

MODEL: D468E86-sh-typical-I-474-PR (Sheet)
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION I-474 CLOSEN ROAD OVER I-474			
SCALE:	SHEET 3	OF 3	SHEETS
STA.	TO STA.		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	14
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D468E86-sht-schedule-01 [Sheet]
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EXCAVATION BALANCE SCHEDULE					
LOCATION	20200100	50200100			
	EARTH EXCAVATION (CUT)	STRUCTURE EXCAVATION	EARTH EXCAVATION ADJUSTED SHRINKAGE 25% EARTH	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD	CU YD
CLOSEN RD	59		44	12	32
BRIDGE EXCAVATION		385	227		227
I-474	551		413	74	339
TOTALS	610	385	685	86	599
ROUNDED TOTALS	610	385			

- STRUCTURE EXCAVATION ADJUSTED FOR SHRINKAGE AND MATERIAL TO BACKFILL STRUCTURE TO EXISTING GROUND LEVEL
- FURNISHED EXCAVATION = EMBANKMENT - (EXCAVATIONS X 0.75)
 - EARTH EXCAVATION DOES NOT INCLUDE THE CU YDS FROM TOPSOIL EXCAVATION AND PLACEMENT
 - FURNISH EXCAVATION DOES NOT INCLUDE CU YDS REQUIRED FOR TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH

TOPSOIL BALANCE SCHEDULE					
LOCATION	STATION TO STATION		OFFSET	21101505	
				TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL PLACEMENT ADJUSTED SHRINKAGE 25% EARTH
				CU YD	CU YD
I-474	235+50	240+00	LT / RT	408.7	306.5
TOTALS				408.7	306.5
ROUNDED TOTALS				409	

- TOPSOIL PLACEMENT = TOPSOIL EXCAVATION X 0.75
- TOPSOIL FURNISH AND PLACEMENT, VARIABLE DEPTH IS ASSUMED TO BE 6 INCH IN DEPTH

TREE REMOVAL SCHEDULE			
LOCATION	STATION	OFFSET	20100110
			TREE REMOVAL (6 TO 15 UNITS DIAMETER)
			UNIT
CLOSEN RD	18+70	36' RT	12
CLOSEN RD	18+81	72' RT	14
CLOSEN RD	18+94	40' RT	6
CLOSEN RD	19+04	68' RT	10
CLOSEN RD	19+10	73' RT	12
TOTAL			54

UNSUITABLE MATERIAL SCHEDULE				
LOCATION	STATION TO STATION		LT/RT	20201200
				* REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
				CU YD
I-474	237+55.77	237+97.77	LT/RT	20
TOTALS				20

* PROVISIONAL QUANTITY

REMOVAL SCHEDULE									
LOCATION	STATION TO STATION		LT / RT	44000100	44000155	44004250	55100700	60500040	63200310
				PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	PAVED SHOULDER REMOVAL	STORM SEWER REMOVAL, 15"	REMOVING MANHOLES	GUARDRAIL REMOVAL
				SQ YD	SQ YD	SQ YD	FOOT	EACH	FOOT
I-474	237+46	238+08	LT			21			
I-474	237+46	238+08	RT			21			
CLOSEN	17+50.40	18+32.00	LT/RT		250.2				
CLOSEN	21+64.50	21+74.50	LT/RT						
CLOSEN	17+90.00	18+32.00	LT	26.8					
CLOSEN	18+32.00	18+68.71	LT/RT	148.7					
CLOSEN	21+27.54	21+74.50	LT/RT	162.6					
CLOSEN	18+50.47	19+16.71	RT				89.3		
CLOSEN	18+50.47		17.51' RT					1	
CLOSEN	17+57.1	18+03.4	LT						46.2
CLOSEN	18+25.23	18+63.24	LT						38.0
CLOSEN	18+26.19	18+63.61	RT						38.0
CLOSEN	21+32.56	21+68.95	LT						38.0
CLOSEN	21+33.23	21+71.50	RT						38.4
TOTALS				338.1	250.2	41.3	89.3	1	152.4
ROUNDED TOTALS				339	251	42	90	1	153

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
CLOSEN ROAD OVER I-474

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	15
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: schedule-c2 [Sheet]
FILE NAME: P:\Civil\DOT_DIST\PTB 214-036 var PH I-I 3125005\WO #2 Closen Road 3125005-02\468E86-WO2-ClosenRd\CADDData\CADsteels\468E86-sht-schedule.dgn

PAVEMENT SCHEDULE							
LOCATION	STATION TO STATION		LT / RT	LENGTH	40600295	40604160	48203027
					POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N50	HOT-MIX ASPHALT SHOULDERS, 7 1/2"
				FOOT	POUND	TON	SQ YD
CLOSEN	17+40.4	18+32.0	LT / RT	91.6	202.9	23.7	
CLOSEN	17+50.4	18+05.4	LT	41.2	40.3	4.7	
CLOSEN	21+64.5	21+74.5	LT / RT	41.2	29.3	3.4	
I-474	237+46	238+08	LT	62	44.6	1.7	20.7
I-474	237+46	238+08	RT	62	44.6	1.7	20.7
TOTALS					361.8	35.3	41.3
ROUNDED TOTALS					362	36	42

AGGREGATE SHOULDERS,TYPE B SCHEDULE						
LOCATION	STATION TO STATION		LT/RT	AREA	AVERAGE DEPTH	48101200
						AGGREGATE SHOULDERS, TYPE B
	SQ FT	INCH	TON			
CLOSEN	18+01	18+62	LT	183.8	8.0	9.3
CLOSEN	17+58	18+62	RT	379.8	8.0	19.2
CLOSEN	21+34.5	21+98.6	RT	145.1	8.0	7.3
I-474	235+00	237+46	LT	492.0	8.0	14.0
I-474	238+08	240+00	RT	384.0	8.0	10.9
I-474	237+46	238+08	LT	13.8	9.0	0.8
I-474	237+46	238+08	RT	13.8	9.0	0.8
TOTAL						62.4
ROUNDED TOTAL						63

CURB AND GUTTER SCHEDULE					
LOCATION	STATION TO STATION		LT/RT	44201789	60605000
				CLASS D PATCHES, TYPE II, 12 INCH	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
				SQ YD	FOOT
CLOSEN	17+90.8	18+32.0	LT	9.6	43
TOTAL				9.6	43
ROUNDED TOTAL				10	43

BUTT JOINT REMOVAL SCHEDULE					
LOCATION	STATION TO STATION		LT/RT	40600982	40600990
				HOT - MIX ASPHALT SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP
				SQ YD	SQ YD
CLOSEN	17+40.4	17+50.4	LT/RT	30.7	30.7
CLOSEN	17+50.4	18+05.4	LT	56.0	56.0
CLOSEN	21+64.5	21+74.5	LT/RT	40.7	40.7
TOTALS				127.4	127.4
ROUNDED TOTALS				128	128

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PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
CLOSEN ROAD OVER I-474

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	16
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: schedule-3 (Sheet)
FILE NAME: P:\Civil\DOT_DIST\PTB 214-036 var PH L\1 3125005\WO #2 Closen Road 3125005-02\468E86-WO2-ClosenRd\CADDData\CADSteeels\468E86-sht-schedule.dgn

RIPRAP SCHEDULE					
LOCATION	STATION TO STATION		LT/RT	28100227	28200200
				STONE RIPRAP, CLASS B4	FILTER FABRIC
				TON	SQ YD
CLOSEN	18+65.95	19+17.96	RT	29.6	46.3
TOTALS				29.6	46.3
ROUNDED TOTALS				30	47

PAVEMENT CONNECTOR SCHEDULE							
LOCATION	STATION TO STATION		LENGTH	WIDTH	31100100	42000060	42000080
					SUBBASE GRANULAR MATERIAL, TYPE A	WELDED WIRE REINFORCEMENT	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
					TON	SQ YD	SQ YD
CLOSEN	18+32	18+47	15	40.5	15.4	50	67.5
CLOSEN	21+49.5	21+64.5	15	40.5	15.4	50	67.5
TOTAL					30.8	100	135.0
ROUNDED TOTAL					31	100	135

DRAINAGE SCHEDULE								
LOCATION	STATION TO STATION		LT / RT	20800150	44201789	54213660	550A0070	60218400
				TRENCH BACKFILL	CLASS D PATCHES, TYPE II, 12 INCH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	STORM SEWER, CLASS A, TYPE 1 15"	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
				CU YD	SQ YD	EACH	FOOT	INLETS, TYPE G-1 (SPECIAL)
CLOSEN	18+15.0		LT	13.5	10.4		31.3	1
CLOSEN	18+15.0		RT					1
CLOSEN	18+15.0	18+67.2	RT			1	68.1	
TOTAL				13.5	10.4	1	99.4	1
ROUNDED TOTAL				14	11	1	100	1

CONCRETE HEADWALL FOR PIPE DRAIN SCHEDULE			
LOCATION	STATION	OFFSET	60100060
			CONCRETE HEADWALLS FOR PIPE DRAINS
			EACH
CLOSEN RD	18+74	LT	1
CLOSEN RD	18+74	RT	1
CLOSEN RD	21+22.5	LT	1
CLOSEN RD	21+22.5	RT	1
TOTAL			4

CHAIN LINK FENCE SCHEDULE						
LOCATION	STATION TO STATION		LT/RT	66400305	66403300	X6640104
				CHAIN LINK FENCE, 6'	CHAIN LINK GATES, 6'x10' SINGLE	FENCE REMOVAL
				FOOT	EACH	FOOT
CLOSEN	17+81.5	18+64.0	RT	73	1	83
CLOSEN	18+11.5	18+63.2	LT	56	1	67
CLOSEN	21+31.4	21+74.4	LT	58	1	68
CLOSEN	21+33.3	21+78.5	RT	47		47
TOTALS				234	3	265

MODEL: schedule-4 (Sheet)
FILE NAME: P:\Civill\DOT_DIST\PTB 214-036 var PH I-I 3125005\WO #2 Closen Road 3125005-02\468E86-WO2-ClosenRd\CADDData\CADsteels\468E86-sht-schedule.dgn

GUARDRAIL SCHEDULE													
LOCATION	STATION TO STATION		LT / RT	63000001	63100045	63100070	63100085	63100167	72501000	X6310164	X6330725	X6350204	Z0001002
				STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 5	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	TERMINAL MARKERS - DIRECT APPLIED	TRAFFIC BARRIER TERMINAL, TYPE 1	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	LINEAR DELINEATOR PANELS, 4 INCH	GUARDRAIL AGGREGATE EROSION CONTROL
				FOOT	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	TON
CLOSEN	17+90.8	18+32.0	LT									4	13.9
CLOSEN	18+20.6	18+62.0	LT			1		1	1				
CLOSEN	17+60.0	18+32.0	RT									4	24.3
CLOSEN	17+97.0	18+62.0	RT				1	1	1				
CLOSEN	21+64.5	21+82.0	LT									4	5.9
CLOSEN	21+34.5	21+79.6	LT		1		1				12.5		
CLOSEN	21+64.5	22+00.0	RT									4	34.4
CLOSEN	21+34.5	21+94.8	RT	6.25		1				1	38		
TOTALS				6.25	1	2	2	2	2	1	50.0	16	78.5
ROUNDED TOTALS				7	1	2	2	2	2	1	50	16	79

IMPACT ATTENUATOR SCHEDULE					
LOCATION	STATION TO STATION		LT/RT	X6431210	X6431220
				REMOVE AND REPLACE ATTENUATOR BASE	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE
				EACH	EACH
I-474	237+00	238+50	LT / RT	2	2
TOTALS				2	2

SURVEY MARKER SCHEDULE	
	66700305
	* PERMANENT SURVEY MARKERS, TYPE II
	EACH
	1
TOTAL	1

* PROVISIONAL QUANTITY

MODEL: schedule-5 (Sheet)
FILE NAME: P:\Civil\DOT_DIST\PTB 214-036 var PH I-1 3125005\WO #2 Closen Road 3125005-02\468E86-WO2-ClosenRd\CADDData\CADsteels\468E86-sht-schedule.dgn

PERMANENT EROSION CONTROL SCHEDULE										
LOCATION	STATION TO STATION		LT / RT	21101600	25000305	25000400	25000500	25000600	25100115	25100630
				TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SEEDING, CLASS 3A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	EROSION CONTROL BLANKET
				SQ YD	ACRE	POUND	POUND	POUND	ACRE	SQ YD
I-474	235+50	240+00	LT / RT	2751.8	0.57	51.3	51.3	51.3	0.57	
CLOSEN	17+91.5	19+31.5	LT	295.7	0.06	5.6	5.6	5.6		295.7
CLOSEN	17+57.7	19+32.9	RT	645.7	0.13	12.0	12.0	12.0		645.7
CLOSEN	20+67.2	21+77.2	LT	231.6	0.05	4.3	4.3	4.3		231.6
CLOSEN	20+68.7	21+93.1	RT	269.7	0.06	5.0	5.0	5.0		269.7
TOTALS				4194.5	0.87	78.2	78.2	78.2	0.57	1442.7
ROUNDED TOTALS				4195	1.00	90	90	90	0.75	1443

PERMANENT PAVEMENT MARKING SCHEDULE				
LOCATION	STATION	DETAIL	78009004	78009024
			* MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING, LINE 24"
			FOOT	FOOT
CLOSEN RD			200	
<u>WHITE SOLID - STOP BAR</u>				
S. CLARENCE PL	17+70	RT LANE		15
S. BYRON ST.	22+20	RT LANE		25
TOTALS			200	40

* PROVISIONAL QUANTITY

RAISED REFLECTIVE PAVEMENT MARKER				
LOCATION	STATION	STATION	78100300	X7830050
			* REPLACEMENT REFLECTOR	* RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL
			EACH	EACH
I-474	235+00	240+00	20	20
TOTALS			20	20

* PROVISIONAL QUANTITY

SIGN SCHEDULE					
LOCATION	STATION	LT/RT	TYPE, SIZE	72400735	72800100
				REMOVE AND RELOCATE SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT
				SQ FT	FOOT
CLOSEN	18+41	RT	W3-1, 36"x36"	9.0	14
CLOSEN	21+68	RT	R1-1, 36"x36"	9.0	14
TOTAL				18	28

MODEL: schedule6 (Sheet)
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TEMPORARY EROSION CONTROL SCHEDULE									
LOCATION	STATION TO STATION		LT / RT	25000750	25100115	28000250	28000305	28000400	28000500
				MOWING	MULCH METHOD 2	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
				ACRE	ACRE	POUND	FOOT	FOOT	EACH
I-474	236+50	239+00	LT / RT	0.28	0.28	27.7			
I-474	235+81.7		LT				8		
I-474	236+55.7		LT				8		
I-474	238+92.9		RT				8		
I-474	239+72.5		RT				8		
I-474	234+95	234+95	LT / RT					50.4	
I-474	240+05	240+05	LT / RT					50.8	
CLOSEN	19+25.8		69.5' LT				8		
CLOSEN	19+06.6		74' RT				8		
CLOSEN	19+20.5		118' RT				8		
CLOSEN	17+91.5	19+31.5	LT					140	
CLOSEN	17+57.5	19+34.1	RT					198.8	
CLOSEN	20+67.2	21+74.2	LT					107.0	
CLOSEN	20+68.7	22+00.2	RT					162.2	
CLOSEN	18+15.0		14.1' LT						1
TOTALS				0.28	0.28	27.7	56	709.2	1
ROUNDED TOTALS				0.50	0.50	28	56	710	1

TEMPORARY CONCRETE BARRIER SCHEDULE						
LOCATION	STATION TO STATION		LT / RT	70400100	70400200	70600280
				TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TL3
				FOOT	FOOT	EACH
I-474	236+25	240+55	58' LT	430		1
I-474	236+25	240+80	30' LT	455	1820	1
I-474	234+75	239+25	30' RT	450	1800	1
I-474	235+00	239+25	58' RT	425		1
TOTALS				1760	3620	4

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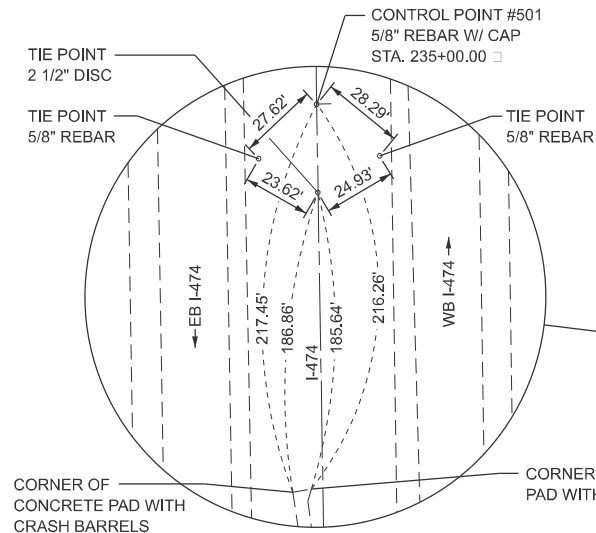
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
CLOSEN ROAD OVER I-474

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	20
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

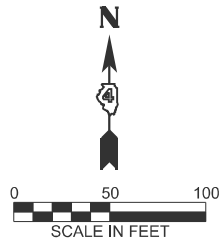
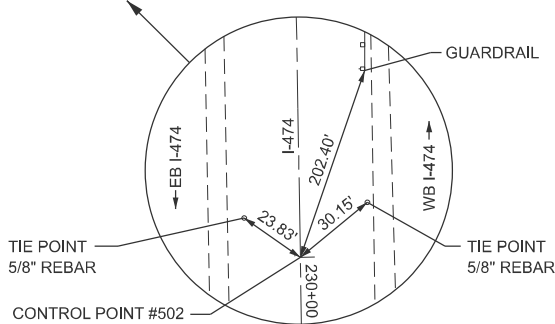
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CONTROL POINT #6
MAG NAIL 5.1' EAST OF WEST
EDGE OF PAVED SHOULDER
STA. 232+82.31, 60.70' RT
N: 1464082.436
E: 2432736.432
ELEV: 632.96



B.M. #1

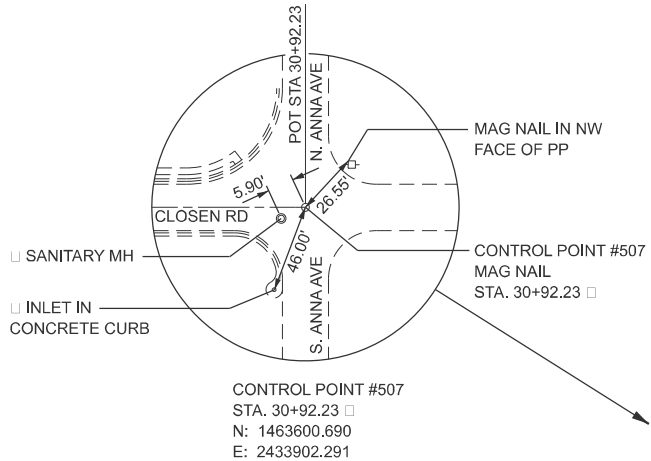


CONTROL POINT #501
STA. 235+00.00 □
N: 1463866.420
E: 2432802.836

CONTROL POINT #8
CUT CROSS IN CONCRETE WALK
10.6' NORTH OF EDGE OF PAVEMENT
STA. 14+63.53, 25.63' LT
N: 1463609.995
E: 2432273.411
ELEV: 671.06

CONTROL POINT #2
MAG NAIL 5.1' EAST OF WEST
EDGE OF PAVED SHOULDER
STA. 236+82.56, 60.69' RT
N: 1463682.332
E: 2432746.964
ELEV: 635.71

CONTROL POINT #5
MAG NAIL 4.2' WEST OF EAST
EDGE OF PAVED SHOULDER
STA. 236+79.67, 61.74' LT
N: 1463688.437
E: 2432869.282
ELEV: 635.69



POT STA 14+00.46



B.M. #4



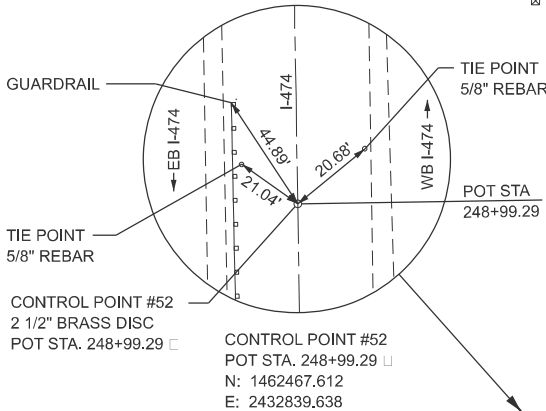
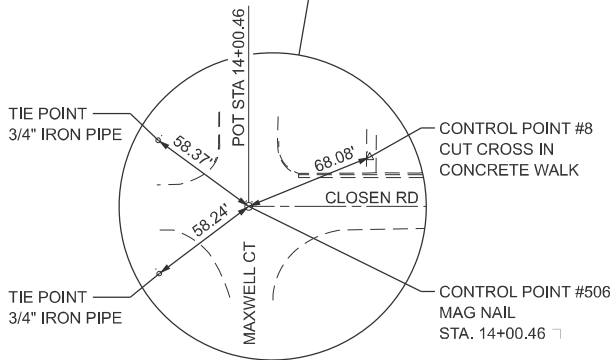
B.M. #3

CLOSEN ROAD

CONTROL POINT #3
MAG NAIL 4.4' EAST OF WEST
EDGE OF PAVED SHOULDER
STA. 238+29.31, 61.13' RT
N: 1463535.613
E: 2432750.389
ELEV: 635.56

CONTROL POINT #9
MAG NAIL 0.6' WEST OF EDGE
OF PAVEMENT
STA. 22+27.46, 42.76' RT
N: 1463549.263
E: 2433037.988
ELEV: 662.72

CONTROL POINT #4
MAG NAIL 4.4' WEST OF EAST
EDGE OF PAVED SHOULDER
STA. 238+27.62, 61.52' LT
N: 1463540.533
E: 2432872.947
ELEV: 635.62



BENCH MARKS

B.M. #1: CUT SQUARE ON EAST CONCRETE BASE OF
AIRPORT ROAD SITUATED NORTH OF CLOSEN RD
AND WEST OF I-474.
STA. 233+09.2, 91.6' RT
ELEVATION = 630.990

B.M. #3: 'X' ON NORTH BOLT OF FIRE HYDRANT
LOCATED NORTH OF CLOSEN RD AND EAST OF I-474.
STA. 21+81.0, 28.9' LT
ELEVATION = 665.992

B.M. #4: ARROW BOLT ON FIRE HYDRANT LOCATED
NORTH OF CLOSEN RD AND WEST OF I-474.
STA. 15+72.1, 22.1' LT
ELEVATION = 671.308

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DATE -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
CLOSEN ROAD OVER I-474

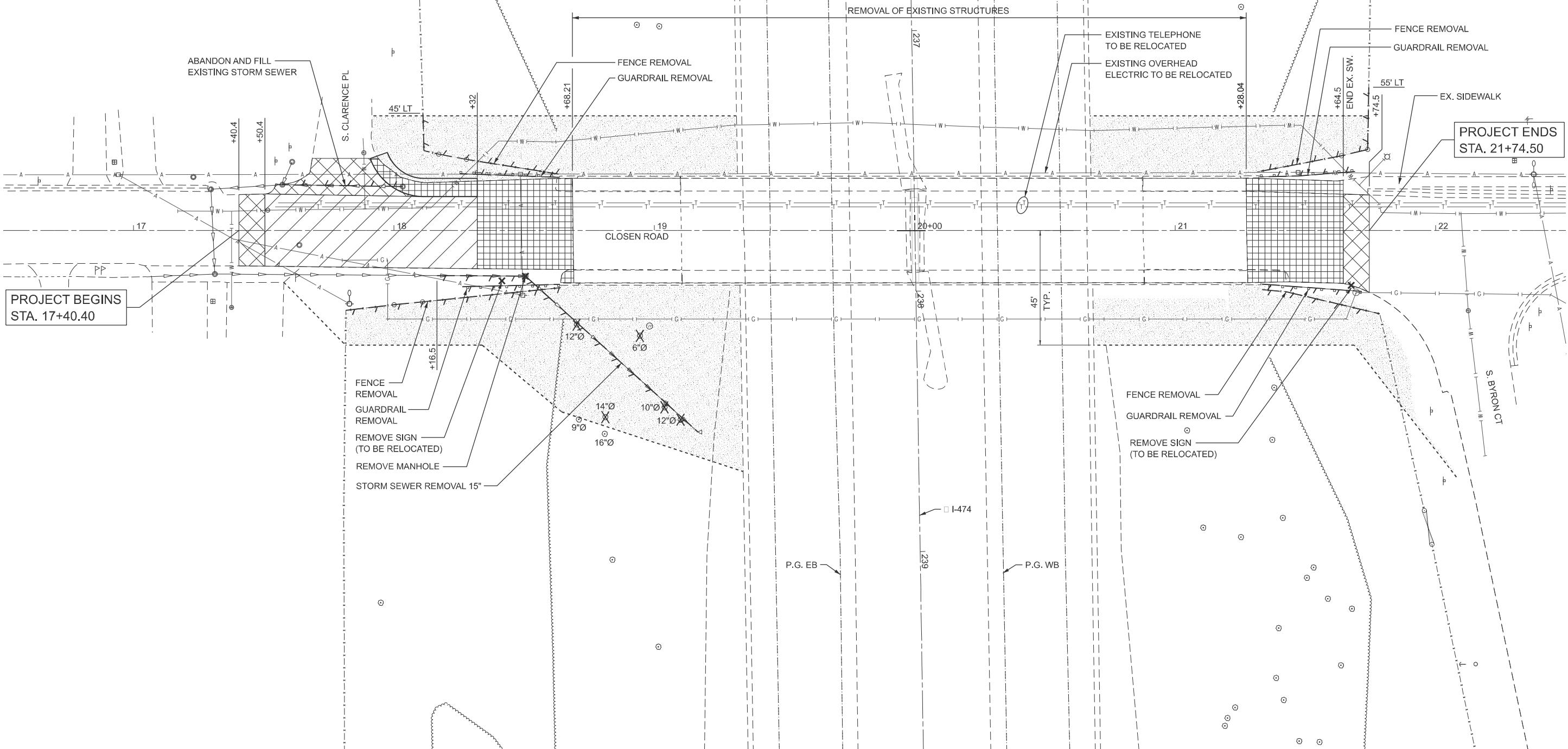
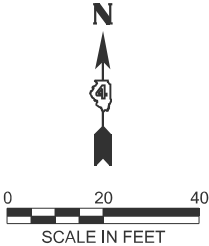
SCALE: SHEET 001 OF 1 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	21
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

LEGEND

- HMA SURFACE REMOVAL 1 1/2"
- HMA SURFACE REMOVAL BUTT JOINT
- PAVEMENT REMOVAL
- WORK AREA (REGRADE)
- X

TREE REMOVAL, SIZE



MODEL: D468E86-shr-removal-Closen [Sheet]
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PLOT DATE	= 5/20/2026	DATE	-	REVISED	-

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DEPARTMENT OF TRANSPORTATION

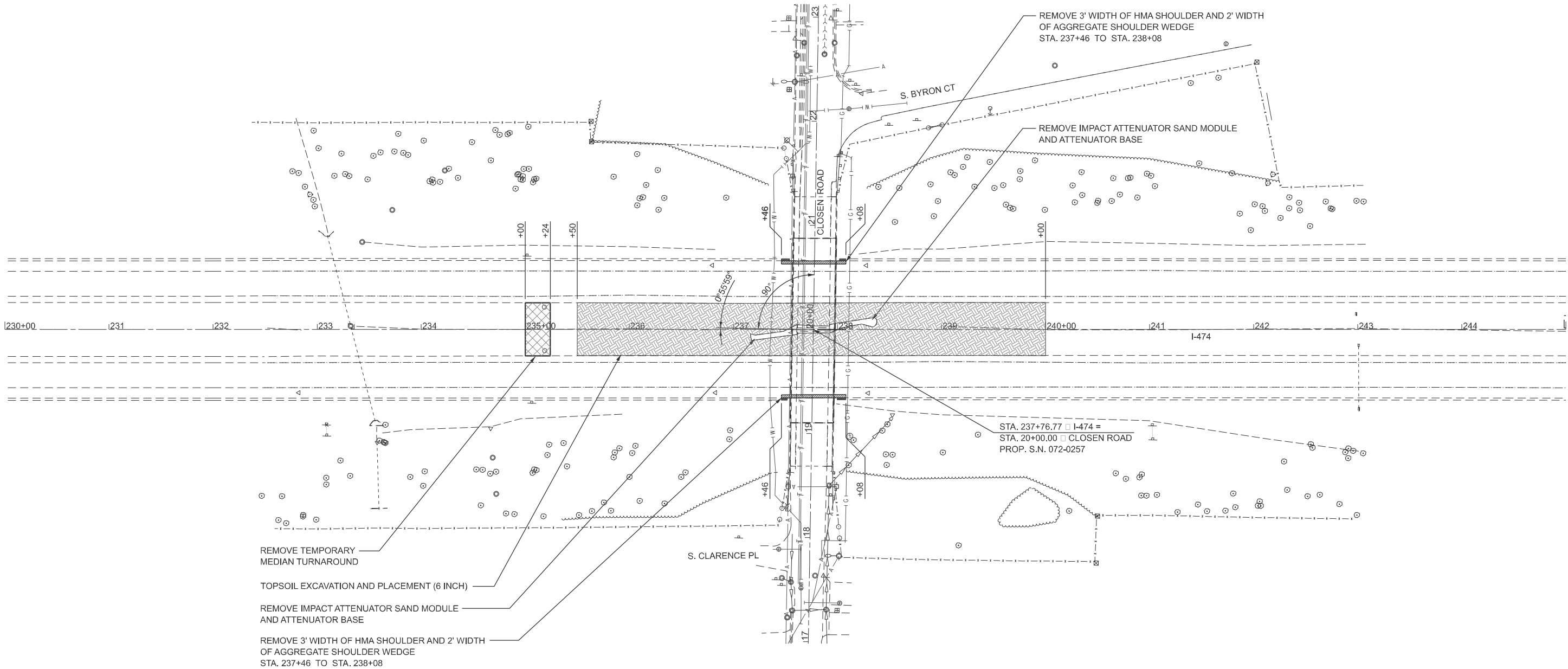
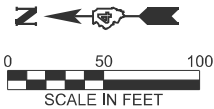
REMOVAL PLAN
CLOSEN ROAD

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 16+50.00 TO STA. 22+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	22
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

LEGEND

- REMOVE TEMPORARY MEDIAN TURNAROUND
- TOPSOIL EXCAVATION AND PLACEMENT (6 INCH)



- REMOVE TEMPORARY
MEDIAN TURNAROUND
- TOPSOIL EXCAVATION AND PLACEMENT (6 INCH)
- REMOVE IMPACT ATTENUATOR SAND MODULE
AND ATTENUATOR BASE
- REMOVE 3' WIDTH OF HMA SHOULDER AND 2' WIDTH
OF AGGREGATE SHOULDER WEDGE
STA. 237+46 TO STA. 238+08

MODEL: D:\68E86-shr-removal-474 [Sheet]
FILE NAME: P:\Civil\DOT_DIST\PTB 214-036 var PH 111 3125005\WO #2 Closen Road 3125005-021\468E86-WO2-ClosenRd\CADDData\CADSheets\468E86-shr-removal-474.dgn

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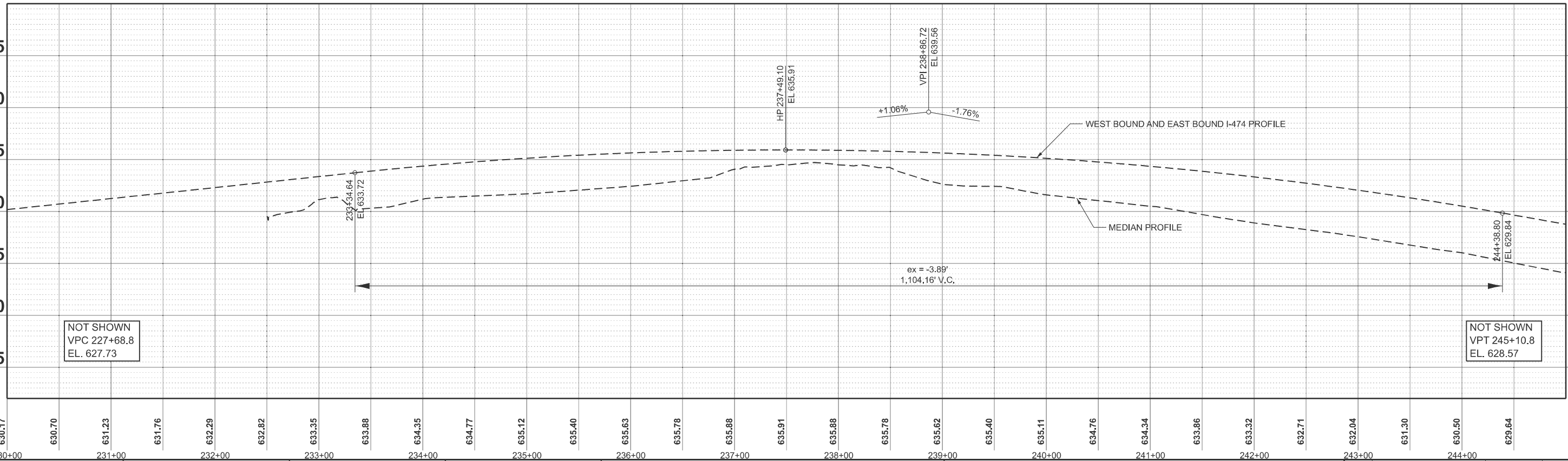
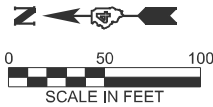
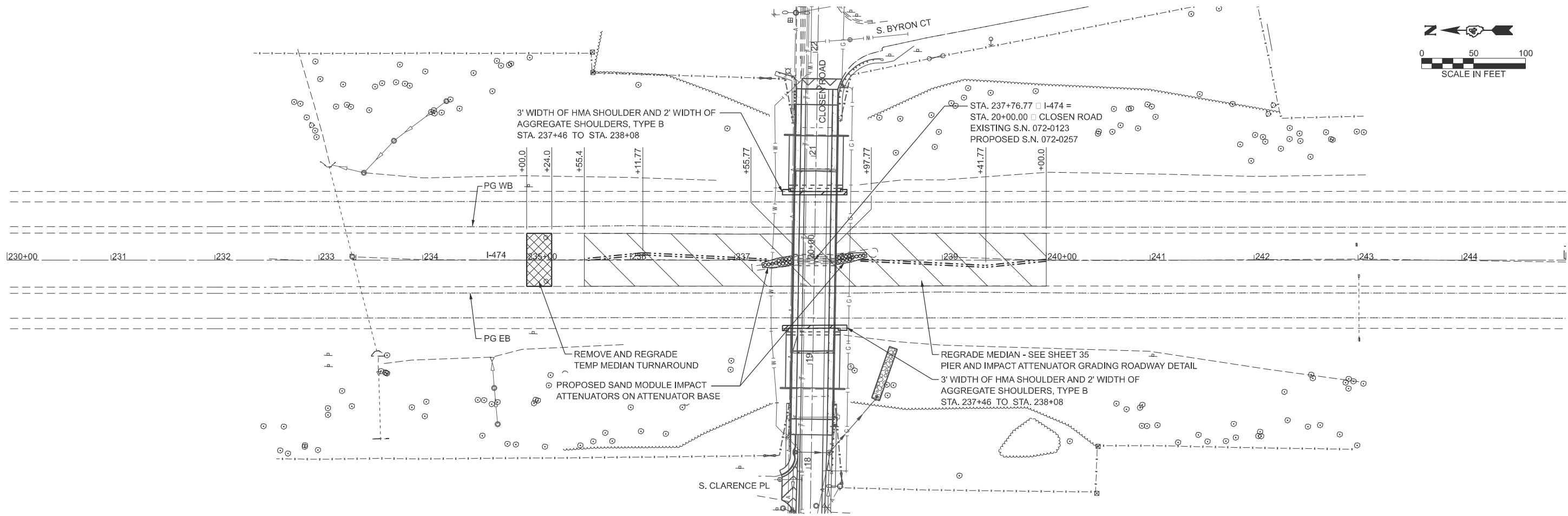
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DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
I-474

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 230+00.00 TO STA. 245+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	23
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D468E86-shd-nprf-I-474
FILE NAME: P:\Civil\DOT_DIST\PTB 214-038 var PH I-474\3125005\WO 42 Closen Road 3125005-02\I-474\68E86-shd-nprf-I-474.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE I-474
CLOSEN ROAD OVER I-474

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 230+00.00 TO STA. 245+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	25
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D468E86-sh-stagingnotes [Sheet]
FILE NAME: P:\Civil_IDOT_DISTA\PTB 2144036 var PH I-I 3125005\WO #2 Closen Road 3125005-02\I-468E86-WO2-ClosenRd\CADDData\CADSheets\I-468E86-sh-stagingnotes.dgn

SUGGESTED STAGE CONSTRUCTION SEQUENCE

PRESTAGE - CLOSEN ROAD

- 1. ERECT TRAFFIC CONTROL FOR ROAD CLOSURE (STD BLR 22-7).
- 2. ERECT TEMPORARY FENCE.

PRESTAGE - I-474

- 1. CONSTRUCT PROTECTIVE SHIELD OVER I-474 (STD 701406 AND 701428).
- 2. CONSTRUCT LONG TERM SHOULDER CLOSURES (STD 701406 AND 701428).

CLOSEN ROAD

- 1. REMOVE EXISTING BRIDGE AND PAVEMENT AND CONSTRUCT PROPOSED BRIDGE AND APPROACH SLABS.
- 2. CONSTRUCT EMBANKMENT, CURB AND GUTTER, AND DRAINAGE STRUCTURES.
- 3. CONSTRUCT PAVEMENT CONNECTORS (PCC) AND AGGREGATE SHOULDERS.
- 4. CONSTRUCT NEW RIGHT OF WAY FENCE AND REMOVE TEMPORARY FENCE.
- 5. CONSTRUCT HMA SURFACE REMOVAL - BUTT JOINT, TEMPORARY RAMPS, GUARDRAIL AND TERMINALS, AND ALL EARTHWORK AND GRADING.
- 6. REMOVE ALL TRAFFIC CONTROL AND RE-ESTABLISH NORMAL TRAFFIC PATTERNS (STD 701201 AND 701301).
- 7. INSTALL SHORT TERM PAVEMENT MARKING LINES FOR THE CENTERLINE AND OUTSIDE EDGE OF PAVEMENT LINES.
- 8. FINAL STRIPING AND MISCELLANEOUS CLEANUP.

I-474

- 1. REMOVAL OF EXISTING BRIDGE AND CONSTRUCTION OF NEW BRIDGE INCLUDING ALL EARTHWORK AND GRADING SHALL BE CONSTRUCTED UNDER LONG TERM SHOULDER CLOSURES EXCEPT FOR BEAM REMOVAL AND REPLACEMENT. OFF PEAK SHORT TERM DAY OR NIGHT SINGLE LANE CLOSURES SHALL BE USED AS REQUIRED (SEE SPECIAL PROVISIONS AND STD 701400, 701402 AND 701406).
- 2. SHORT TERM CLOSURE OF THE PASSING LANE SHALL BE USED AS REQUIRED FOR CONSTRUCTION OF ERECTION TOWERS AND EQUIPMENT DURING BEAM REMOVAL AND REPLACEMENT (SEE SPECIAL PROVISIONS).
- 3. FULL NIGHTTIME CLOSURE OF ALL LANES WILL BE ALLOWED FOR REMOVAL AND REPLACEMENT OF THE BRIDGE BEAMS. SEE SPECIAL PROVISIONS AND DETOUR SHEETS FOR EB I-474 AND WB I-474 CLOSURE REQUIREMENTS.
- 4. REMOVE AND REPLACE SLOPE WALL. REMOVE AND REPLACE HMA SHOULDERS REQUIRED TO CONSTRUCT SLOPEWALL AND REPLACE AGGREGATE SHOULDERS.
- 5. COMPLETE ALL GRADING AND LANDSCAPING AT ABUTMENTS AND MEDIAN PIER.
- 6. CONSTRUCT IMPACT ATTENUATORS AT MEDIAN PIER, PUNCH LIST AND CLEAN UP.
- 7. REMOVE ALL TEMPORARY CONCRETE BARRIERS AND OTHER TRAFFIC CONTROL ITEMS ASSOCIATED WITH THE TRAFFIC CONTROL.

GENERAL NOTES

- 1. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE REVISED TRAFFIC PATTERNS DURING ALL PHASES OF STAGE CONSTRUCTION SHALL BE REMOVED.
- 2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTIES DURING ALL PHASES OF CONSTRUCTION.
- 3. WIDTH RESTRICTION SIGNING SHALL BE INSTALLED ACCORDING TO THE SPECIAL PROVISION TITLED "WIDTH RESTRICTION SIGNING". A TOTAL OF FOUR SIGNS, INCLUDING SIGN ASSEMBLY A WILL BE REQUIRED.

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USER NAME	= BethCatt	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 5/21/2026	DATE	-	REVISED	-

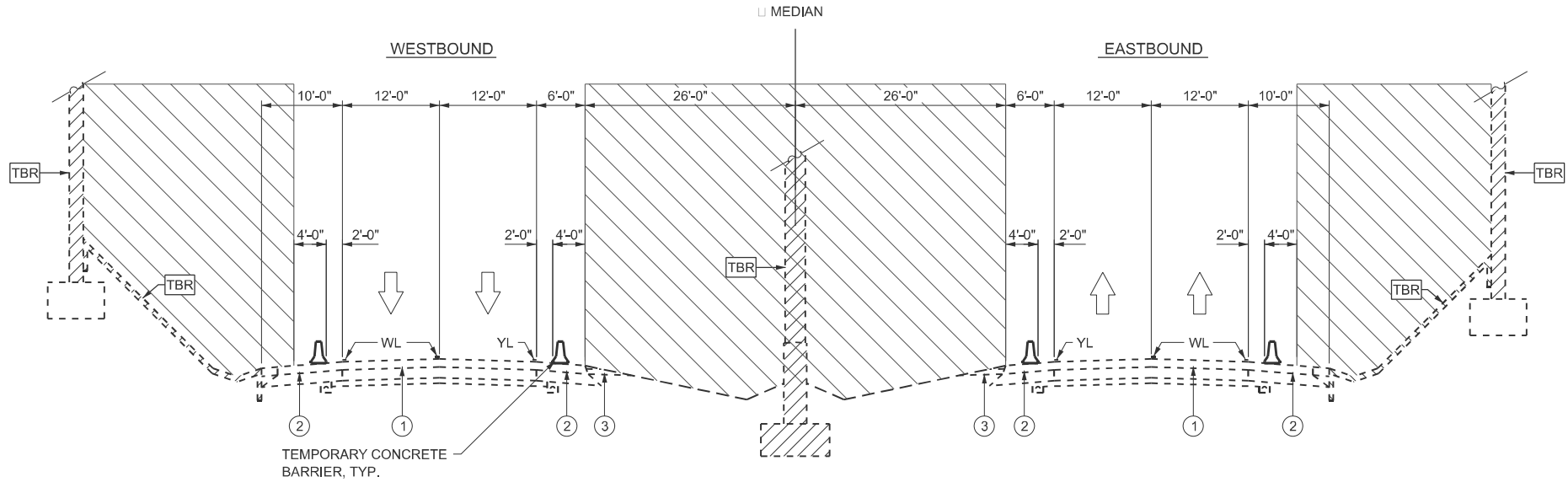
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
STAGE CONSTRUCTION NOTES

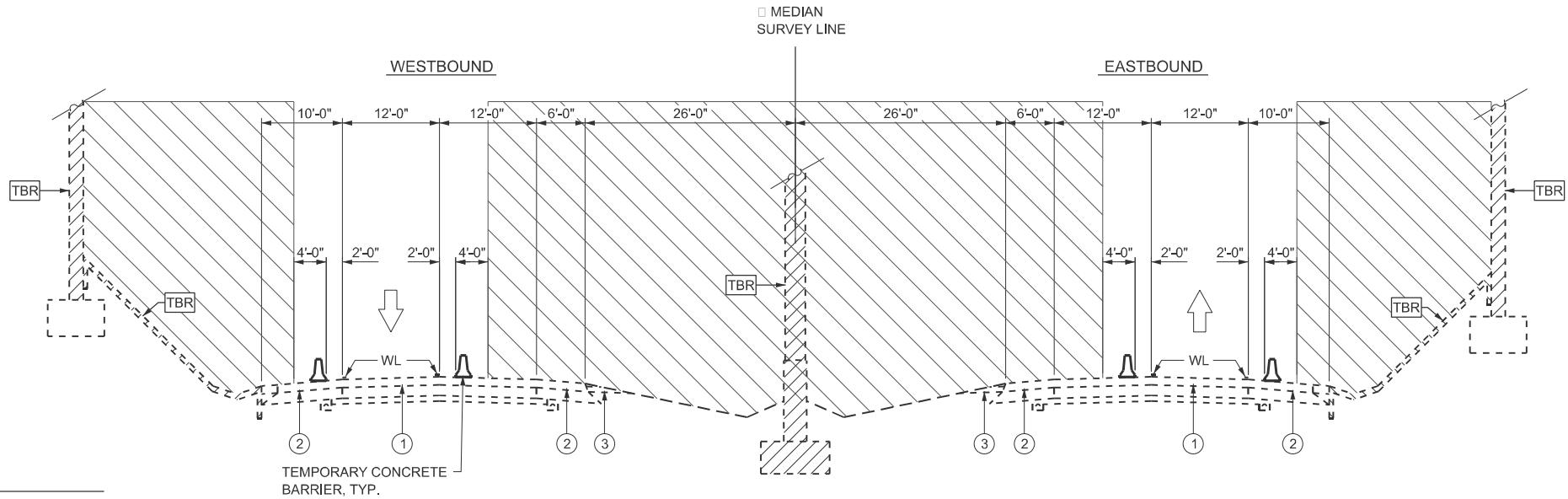
SCALE: SHEET 1 OF 13 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	26
CONTRACT NO. 68E86				
		ILLINOIS	FED. AID PROJECT	

MODEL: D:\68E86-sh-staging\typical.dgn
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TYPICAL SECTION I-474



LEGEND

- WORK AREA
- BRIDGE REMOVAL
- TBR TO BE REMOVED

SYMBOLS

- WL WHITE PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
- YL YELLOW PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
- ① PAVEMENT
- ② ASPHALT SHOULDERS
- ③ AGGREGATE SHOULDERS

TYPICAL SECTION I-474 - DURING BEAM REMOVAL AND REPLACEMENT ONLY

(SEE SPECIAL PROVISIONS FOR DURATION)

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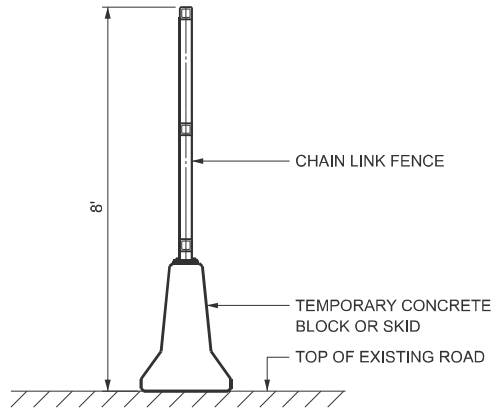
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PLOT DATE	= 5/19/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS - TYPICAL SECTIONS I-474
CLOSEN ROAD OVER I-474

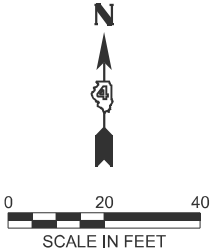
SCALE: SHEET 2 OF 13 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	27
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



TEMPORARY FENCE DETAIL

(LOCATED ON EXISTING ROAD SURFACE)
(SEE SPECIAL PROVISIONS)



NOTES:

1. ERECT TYPE III BARRICADES AND TEMPORARY STRIPING FOR ROAD CLOSURE (STD 701301 AND B.L.R. 22-7).
2. CONSTRUCT TEMPORARY FENCE.
3. REMOVE EXISTING FENCE. REMOVE AND REPLACE EXISTING BRIDGE, APPROACH SLABS AND PAVEMENT CONNECTORS, PCC.
4. CONSTRUCT NEW FENCE.
5. REMOVE TEMPORARY FENCE.
6. CONSTRUCT GUARDRAIL AND SHOULDERS (STD 701001 AND 701006).
7. REMOVE ROAD CLOSURE AND RE-ESTABLISH NORMAL TRAFFIC PATTERNS (STD 701301).
8. COMPLETE CONSTRUCTION OF BUTT JOINTS (STD 701-201).

WORK ZONE SPEED LIMIT 25 MPH. CLOSEN ROAD CLOSED TO TRAFFIC DURING BRIDGE REMOVAL AND REPLACEMENT. USE COMPONENTS FROM STD B.L.R. 22-7.

SYMBOLS

- ↑ ARROW BOARD
- ✕ SIGN
- ⏏ TYPE III BARRICADE WITH FLASHING LIGHTS
- ⦿ DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT
- WL TEMPORARY PAVEMENT MARKING - WHITE LINE 4" - TYPE IV TAPE

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PLOT DATE = 5/19/2026

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DRAWN -
CHECKED -
DATE -

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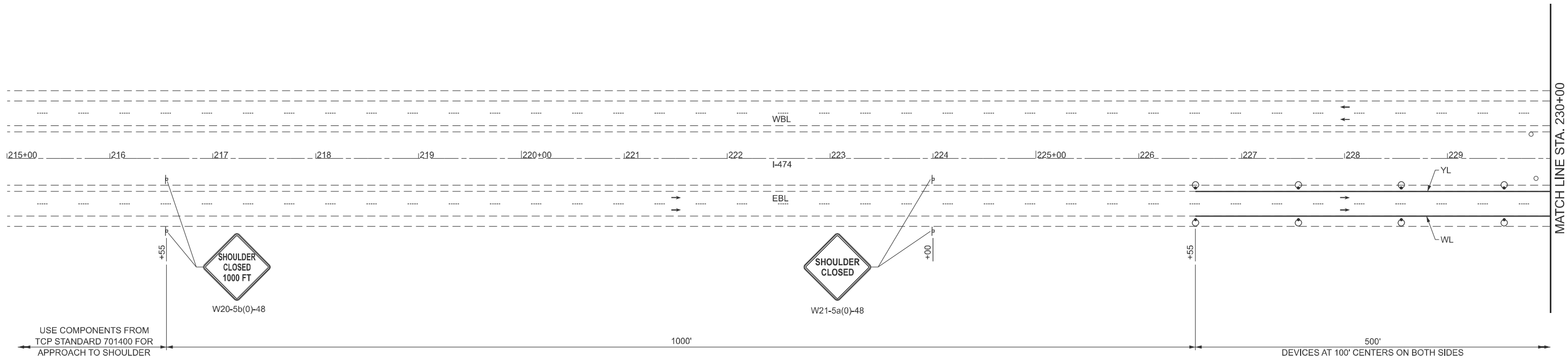
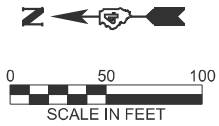
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
CLOSEN ROAD CLOSURE

SCALE: SHEET 3 OF 13 SHEETS STA. 17+00 TO STA. 23+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	28
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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FILE NAME: P:\Civil\DOT_DISTA\PTB 2144-036 var PH\I-474\3125005\WO #2 Closen Road 3125005-02\I-468E86-sh-staging1-474.dgn



WORK ZONE SPEED LIMIT 45 MPH
USE COMPONENTS FROM TCP STDS. 701400 AND 701402

SYMBOLS

	ARROW BOARD		DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT
	WORK AREA		TEMPORARY CONCRETE BARRIER (TCB)
	SIGN	WL	TEMPORARY PAVEMENT MARKING - WHITE LINE 4" - TYPE IV TAPE
	TYPE III BARRICADE WITH FLASHING LIGHTS	YL	YELLOW TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
	IMPACT ATTENUATOR		

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

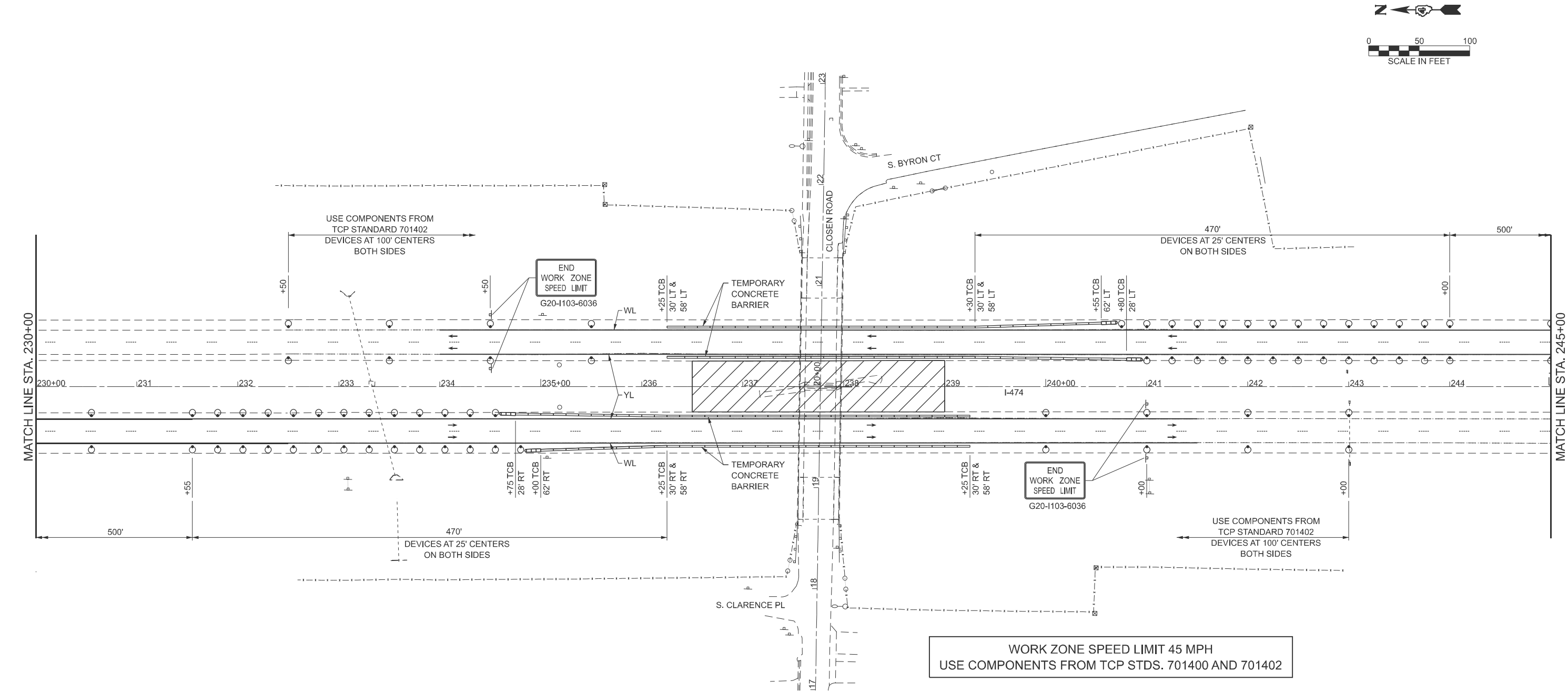
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS I-474 SHOULDER CLOSURE

SCALE: 1"=50'	SHEET 4	OF 13	SHEETS	STA. 215+00.00	TO STA. 230+00.00
---------------	---------	-------	--------	----------------	-------------------

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	29
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: INTERSTATE - D468E86-shit-staging1_474-02 [Sheet]
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SYMBOLS

- | | | | |
|--|---|----|--|
| | ARROW BOARD | | DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT |
| | WORK AREA | | TEMPORARY CONCRETE BARRIER (TCB) |
| | SIGN | WL | TEMPORARY PAVEMENT MARKING - WHITE LINE 4" - TYPE IV TAPE |
| | TYPE III BARRICADE WITH FLASHING LIGHTS | YL | YELLOW TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE |
| | IMPACT ATTENUATOR | | |

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USER NAME	= BethCatt	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

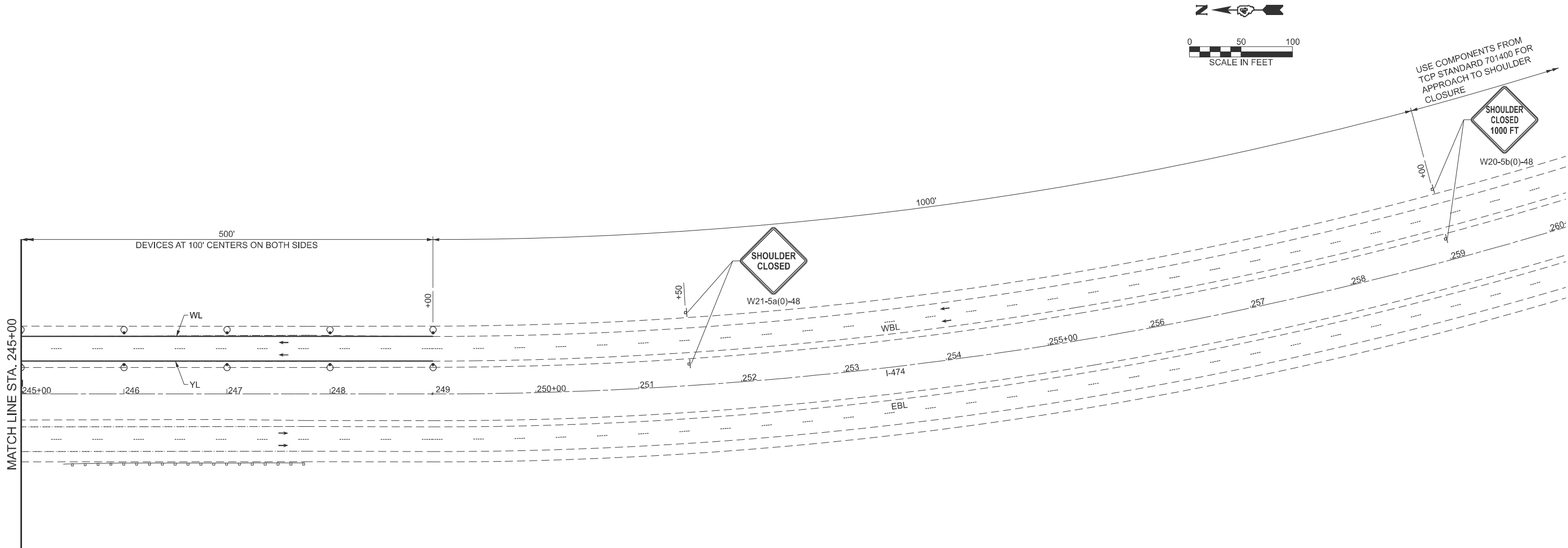
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLANS
I-474 SHOULDER CLOSURE**

SCALE: 1"=50' SHEET 5 OF 13 SHEETS STA. 230+00.00 TO STA. 245+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	30
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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SYMBOLS

	ARROW BOARD		DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT
	WORK AREA		TEMPORARY CONCRETE BARRIER (TCB)
	SIGN	WL	TEMPORARY PAVEMENT MARKING - WHITE LINE 4" - TYPE IV TAPE
	TYPE III BARRICADE WITH FLASHING LIGHTS	YL	YELLOW TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE
	IMPACT ATTENUATOR		

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PLOT DATE = 5/19/2026	DATE -	REVISED -

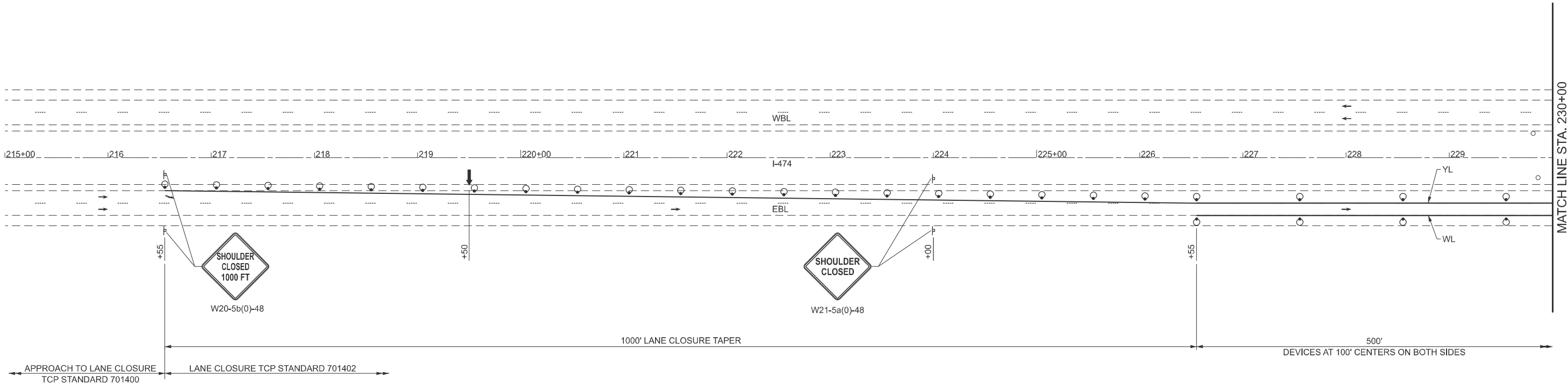
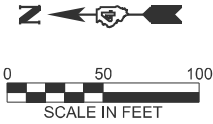
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS I-474 SHOULDER CLOSURE

SCALE: 1"=50' SHEET 6 OF 13 SHEETS STA. 245+00.00 TO STA. 260+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	31
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: INTERSTATE - D468E86-sh-staging2-474-01 [Sheet]
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WORK ZONE SPEED LIMIT 45 MPH
USE COMPONENTS FROM TCP STDs. 701400 AND 701402

SYMBOLS

- | | | | |
|---|---|----|--|
| ↑ | ARROW BOARD | ○ | DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT |
| ▨ | WORK AREA | — | TEMPORARY CONCRETE BARRIER (TCB) |
| ⚡ | SIGN | WL | TEMPORARY PAVEMENT MARKING - WHITE LINE 4" - TYPE IV TAPE |
| ⚡ | TYPE III BARRICADE WITH FLASHING LIGHTS | YL | YELLOW TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE |
| ▢ | IMPACT ATTENUATOR | | |

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

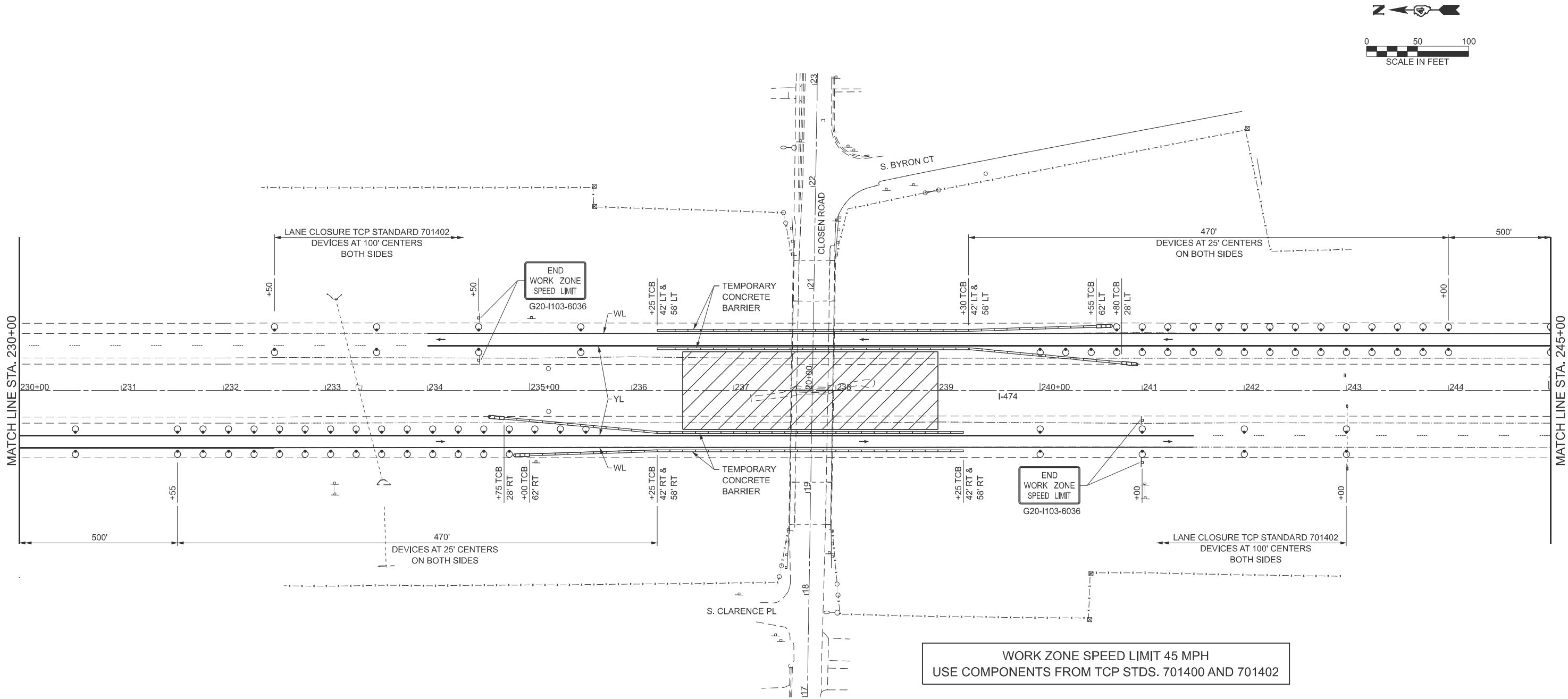
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
I-474 BEAM REPLACEMENT

SCALE: 1"=50' SHEET 7 OF 13 SHEETS STA. 215+00.00 TO STA. 230+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	32
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: INTERSTATE - D468E86-sh-staging2-474-02 [Sheet]
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SYMBOLS

- | | | | |
|--|---|----|--|
| | ARROW BOARD | | DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT |
| | WORK AREA | | TEMPORARY CONCRETE BARRIER (TCB) |
| | SIGN | WL | TEMPORARY PAVEMENT MARKING - WHITE LINE 4" - TYPE IV TAPE |
| | TYPE III BARRICADE WITH FLASHING LIGHTS | YL | YELLOW TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE |
| | IMPACT ATTENUATOR | | |

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USER NAME	= BethCatt	DESIGNED	-	REVISED	-
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		CHECKED	-	REVISED	-
PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

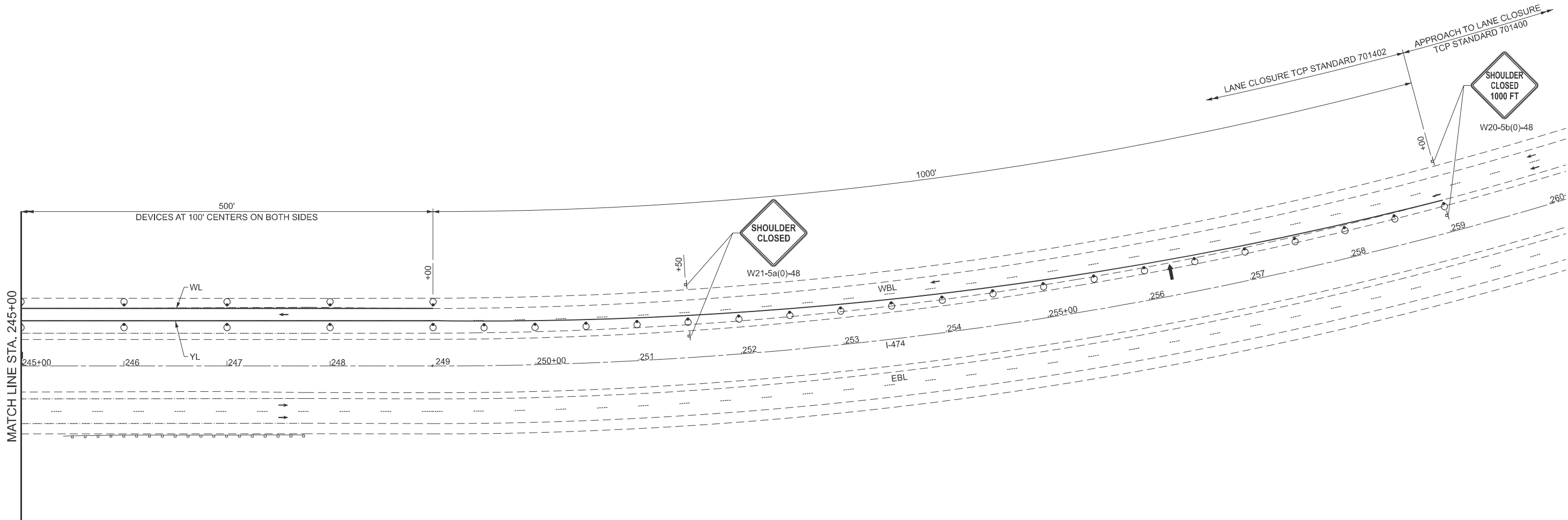
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLANS
I-474 BEAM REPLACEMENT**

SCALE: 1"=50' SHEET 8 OF 13 SHEETS STA. 230+00.00 TO STA. 245+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	33
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: INTERSTATE - D468E86-sh-staging2-474-03 [Sheet]
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WORK ZONE SPEED LIMIT 45 MPH
USE COMPONENTS FROM TCP STDS. 701400 AND 701402

SYMBOLS

- | | | | |
|--|---|----|--|
| | ARROW BOARD | | DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT |
| | WORK AREA | | TEMPORARY CONCRETE BARRIER (TCB) |
| | SIGN | WL | TEMPORARY PAVEMENT MARKING - WHITE LINE 4" - TYPE IV TAPE |
| | TYPE III BARRICADE WITH FLASHING LIGHTS | YL | YELLOW TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE |
| | IMPACT ATTENUATOR | | |

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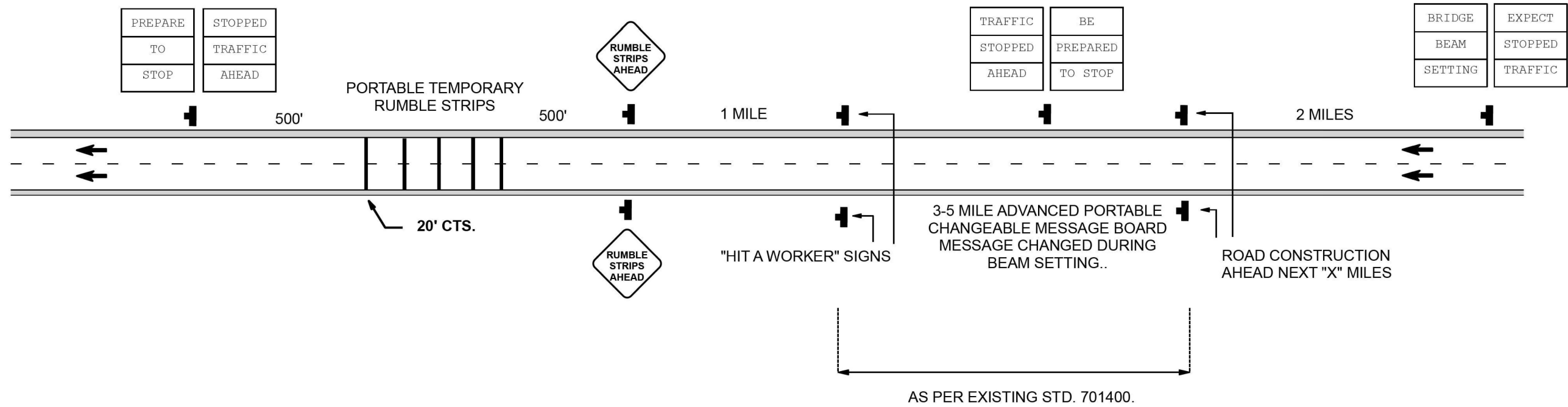
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
I-474 BEAM REPLACEMENT

SCALE: 1"=50' SHEET 9 OF 13 SHEETS STA. 245+00.00 TO STA. 260+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	34
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

INTERSTATE TRAFFIC STOPS



TEMPORARY RUMBLE STRIPS SHALL BE PLACED AFTER ALL SIGNAGE IS IN PLACE AND REMOVED PRIOR TO ALL SIGN REMOVAL.

CONTRACTOR SHALL NOTIFY IDOT TWO WEEKS PRIOR TO ARRANGE ISP TROOPER FOR DELAYS. THE TROOPER WILL STAY IN ADVANCE OF THE TRAFFIC QUEUE AND SHALL NOT BE POSITIONED NEAR THE FLAGGER.

FULL CLOSURE OF ONE DIRECTION SHALL BE LIMITED TO 20 MINUTES. ADDITIONAL CLOSURES SHALL RESUME WHEN DELAYED TRAFFIC HAS CLEARED.

CLOSURES SHALL BE DONE AT NIGHT FROM 10:00 PM TO 6:00 AM-MONDAY THRU THURSDAY. NIGHT WORK WILL REQUIRE LIGHTING PER IDOT SPECIFICATIONS FOR NIGHTTIME WORK ZONE LIGHTING. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR NIGHTTIME WORK ZONE LIGHTING UNLESS SPECIFIED IN CONTRACT PLANS..

SATURDAY/SUNDAY- NO DAY OR NIGHT CLOSURES ALLOWED.

ALL COSTS ASSOCIATED WITH THIS DETAIL SHALL BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701400.

MODEL: D468E86-sh-staging traffic stops (Sheet)
FILE NAME: PACivil_IDOT_DISTA/PTB 214-036 var PH L-I 3125005WO #2 Closen Road 3125005-021D468E86-WO2-ClosenRd/CADDData/CADStrees/D468E86-sh-staging traffic stops.dgn

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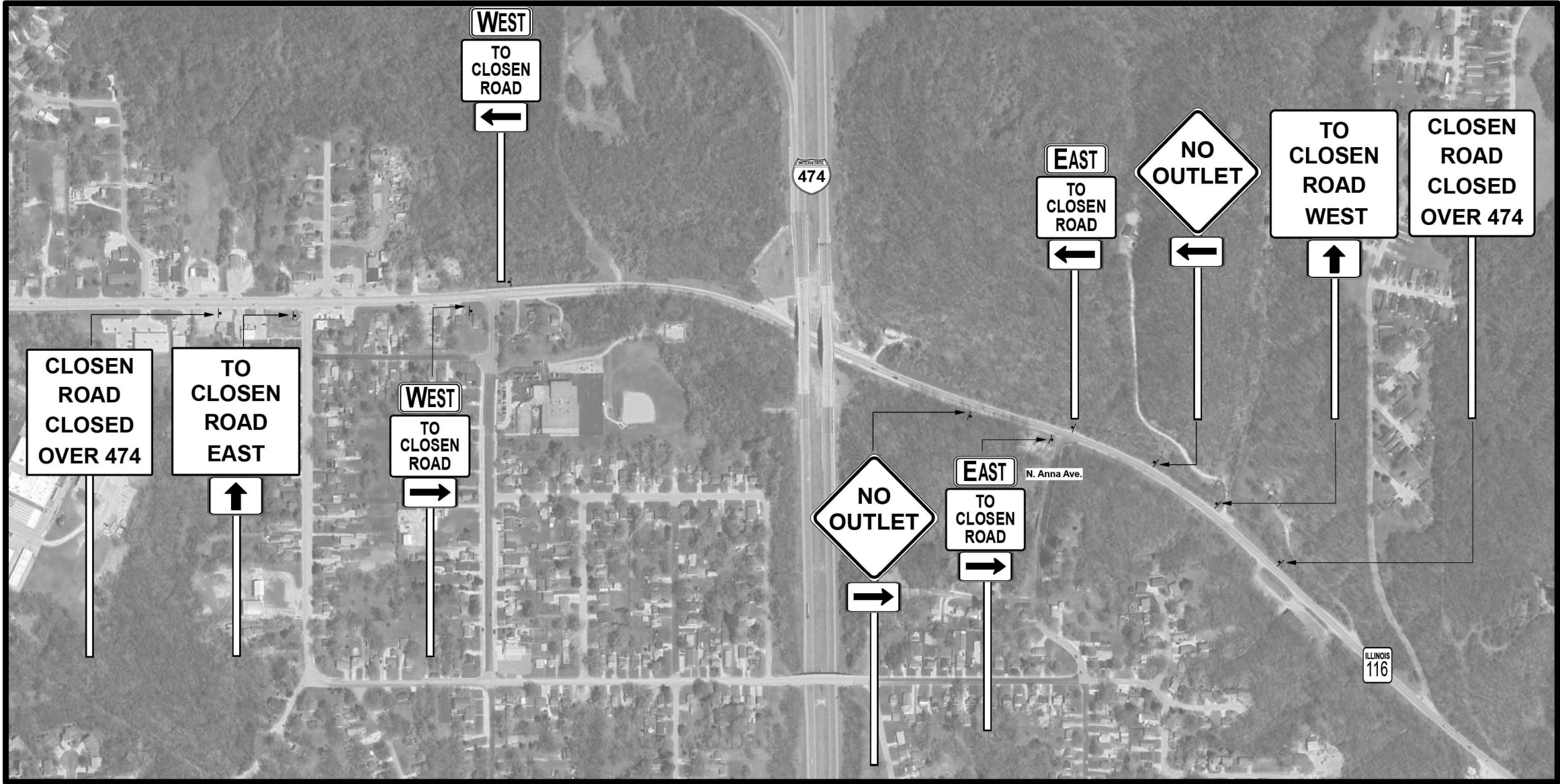
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PLOT DATE	= 5/20/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS I-474 BEAM REPLACEMENT			
SCALE:	SHEET 10	OF 13	SHEETS
STA.	TO STA.		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	35
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D468E86-sh-staging detour
FILE NAME: PACivil_IDOT_DISTA\PTB 214-036 var PH L1 3125005\WO #2 Closen Road 3125005-02\D468E86-WO2-ClosenRd\CADDData\CADSteeels\D468E86-sh-staging detour.dgn



Directional arrows and cardinal direction signs- standard size per MUTCD for Conventional Roads and black on white.

"CLOSEN ROAD.." and "TO CLOSEN..." signs are 48x48, 6" letters, and black on orange.

"TO CLOSEN ROAD" sign is 30x24, 5" letters, and black on orange.

"NO OUTLET" signs are 48x48 black on orange.

Sign spacing is 350 ft and adjusted as field conditions warrant.

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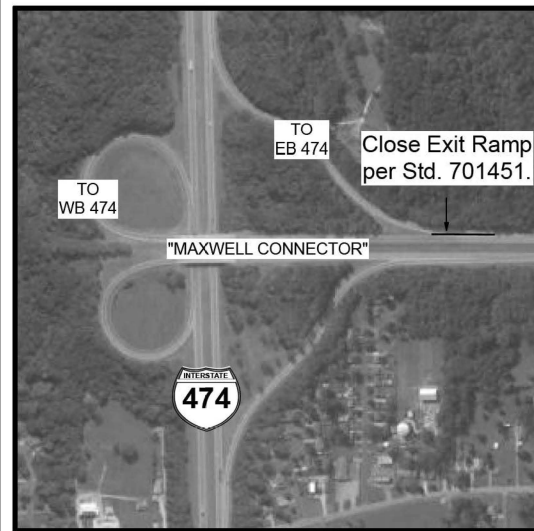
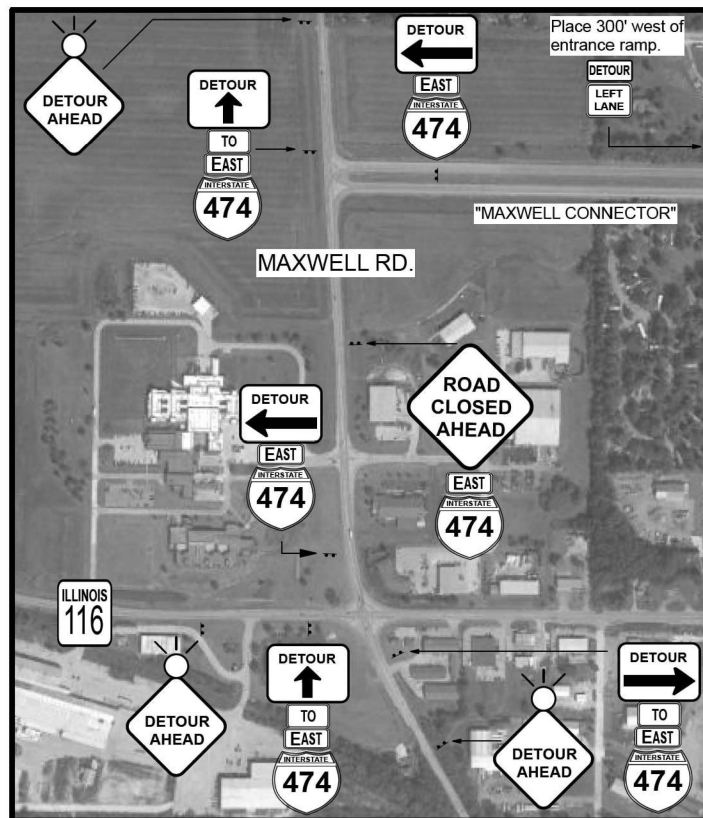
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	CHECKED -	REVISED -
PLOT DATE = 5/19/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
I-474 BEAM REPLACEMENT

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	36
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



DETOUR
→
(TYP.)

DETOUR

TO

EAST



BLACK ON ORANGE
30X24

BLACK ON ORANGE
24X12

WHITE ON BLUE
24X12

WHITE ON BLUE
24X12

EXISTING COLORS
24X24

 BLACK ON WHITE
24X18

 FLASHING MONO-DIRECTIONAL LIGHT

● DRUM/BARREL WITH STEADY-BURN
MONO-DIRECTIONAL
LIGHT

ALL SIGNS MAY BE STAND MOUNTED.

**FOLLOW
MARKED
DETOUR**

PLACE 1/2 MILE EAST OF THE
ADVANCED 2 MILE MESSAGE
BOARD.

TO AIRPORT ROAD

WEST 474

ROAD CLOSED

ROAD CLOSED

DETOUR

DETOUR AHEAD

DETOUR AHEAD

400 ft

275 ft

1000 ft (not to scale)

End of 1000 ft taper from Standard 701400/401

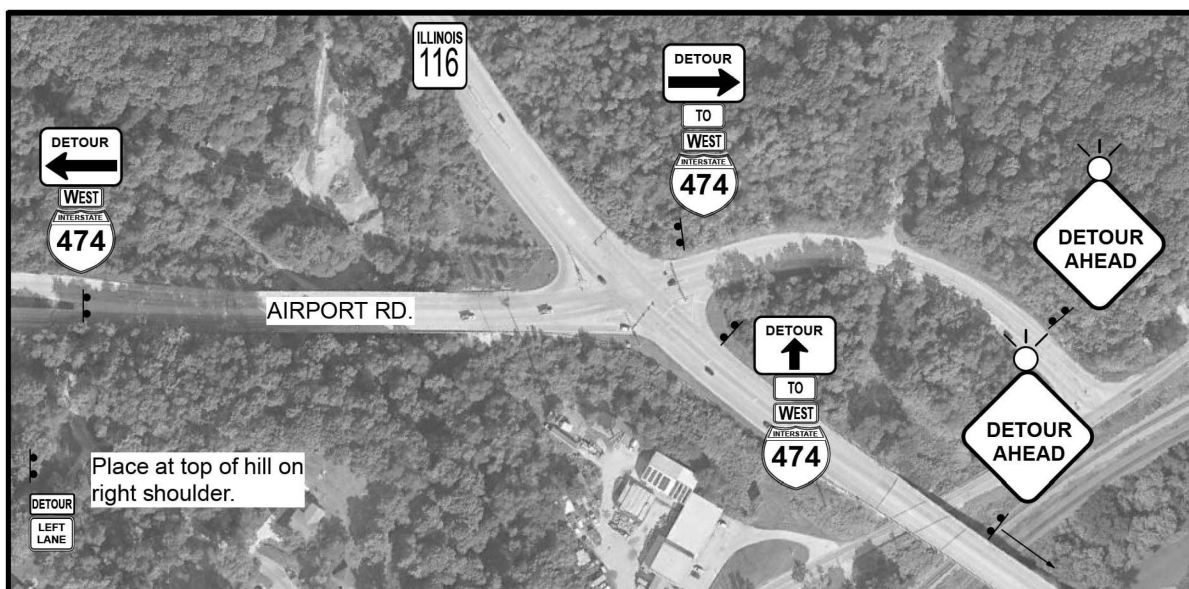
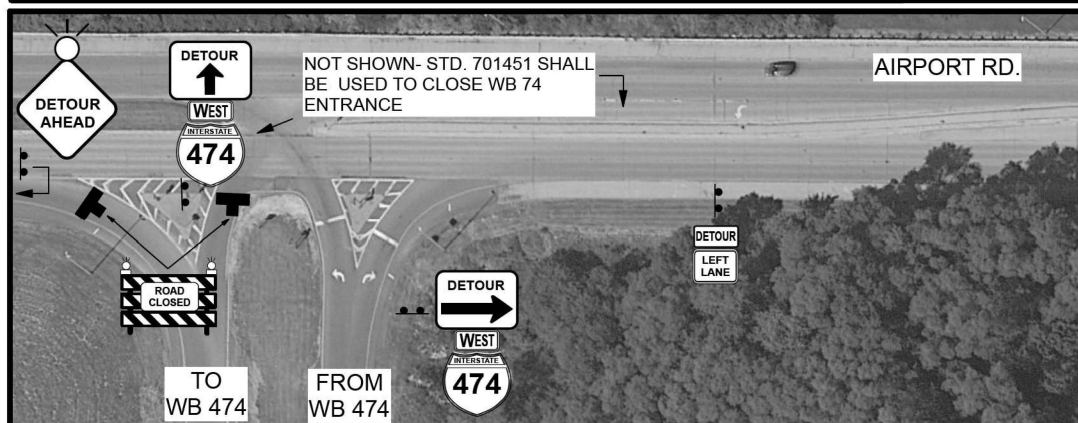
50' cts.

25' cts.

100' cts.

TRAFFIC MUST EXIT

FOLLOW MARKED DETOUR



DETOUR
→
(TYP.)

BLACK ON ORANGE
30X24

DETOUR

BLACK ON ORANGE
24X12

TO

WHITE ON BLUE
24X12

WEST

WHITE ON BLUE
24X12



EXISTING COLORS
24X24



LEFT
LANE

BLACK ON WHITE
24X18



FLASHING MONO-DIRECTIONAL
LIGHT



DRUM/BARREL WITH STEADY-BURN
MONO-DIRECTIONAL
LIGHT

ALL SIGNS MAY BE STAND MOUNTED.

**I-474
CLOSED
AHEAD**

**FOLLOW
MARKED
DETOUR**



PLACE 1 MILE WEST OF THE ADVANCED 3 MILE
MESSAGE BOARD.

MODEL : D468E86-sht-staging detour3 [Sheet]
FILE NAME: P:\C\WILL IDOT DIST4\PTB 214-036 var PH ILI 3125005\WO2-CloserRm\CADData\CAD sheets\D468E86-sht-staging detour.dgn

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Firm Corporation Matteson, IL 61938
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USER NAME	=	BethCatt
PLOT DATE	=	6/22/2026

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS I-474 BEAM REPLACEMENT

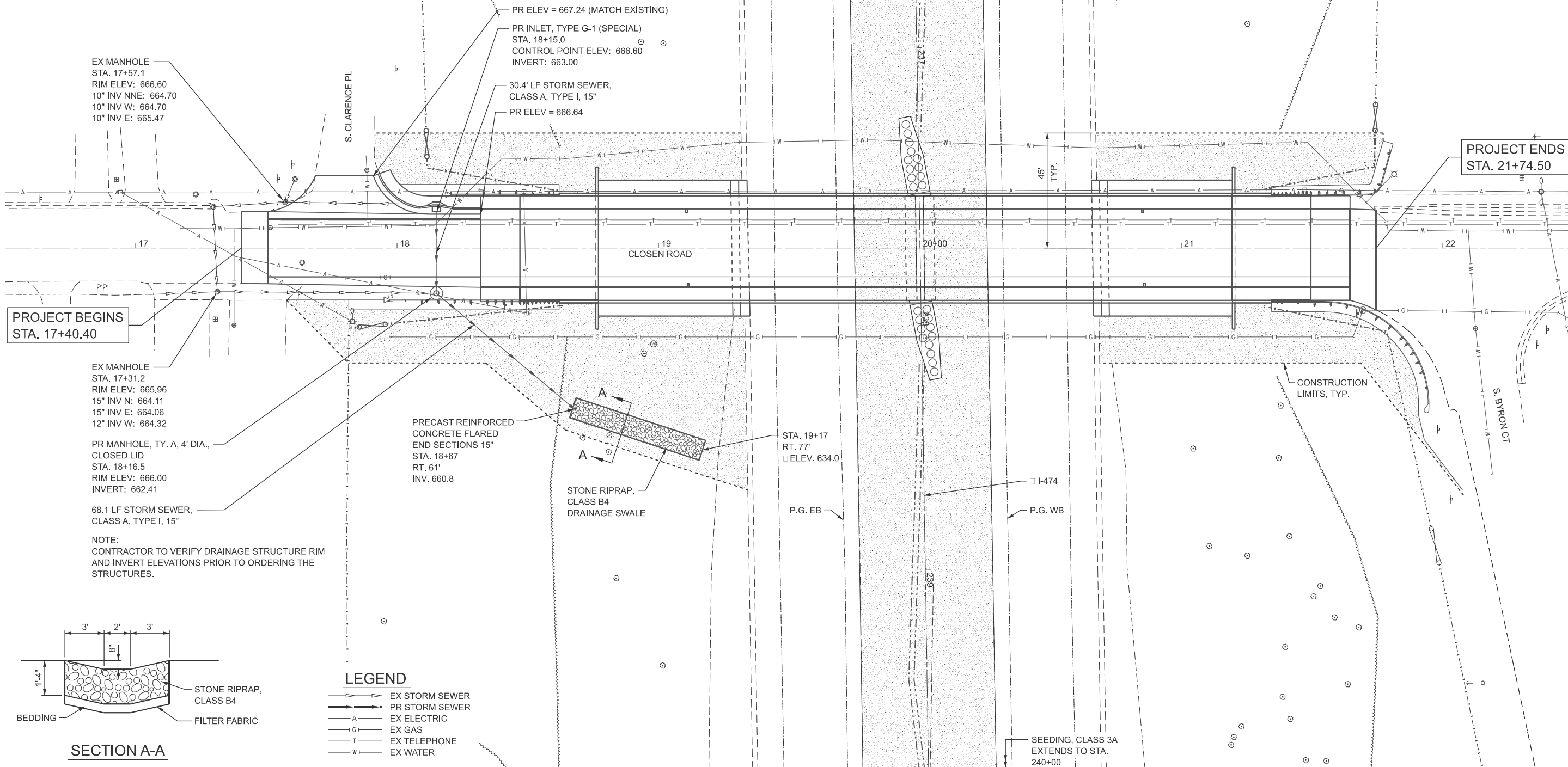
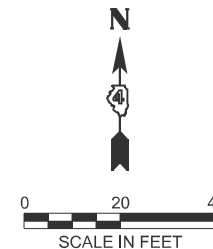
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474	(72-3HB-3)BR	PEORIA	108	38
		CONTRACT NO. 68E86		
ILLINOIS		FED. AID PROJECT		

NOTES

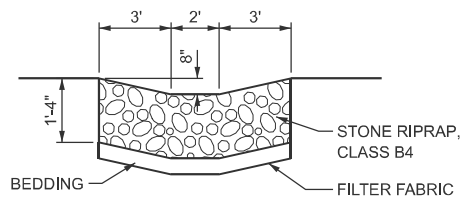
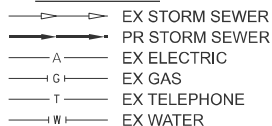
ALL SEEDED AREAS SHALL INCLUDE
A 6" MINIMUM LIFT OF TOPSOIL.

LEGEND



SECTION A-A

LEGEND



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Fax: 217-253-3177
e-mail: upchurchgroup@upchurchgroup.com

USER NAME = BethCatt
PLOT DATE = 5/20/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
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REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND LANDSCAPE PLAN
CLOSEN ROAD OVER I-474

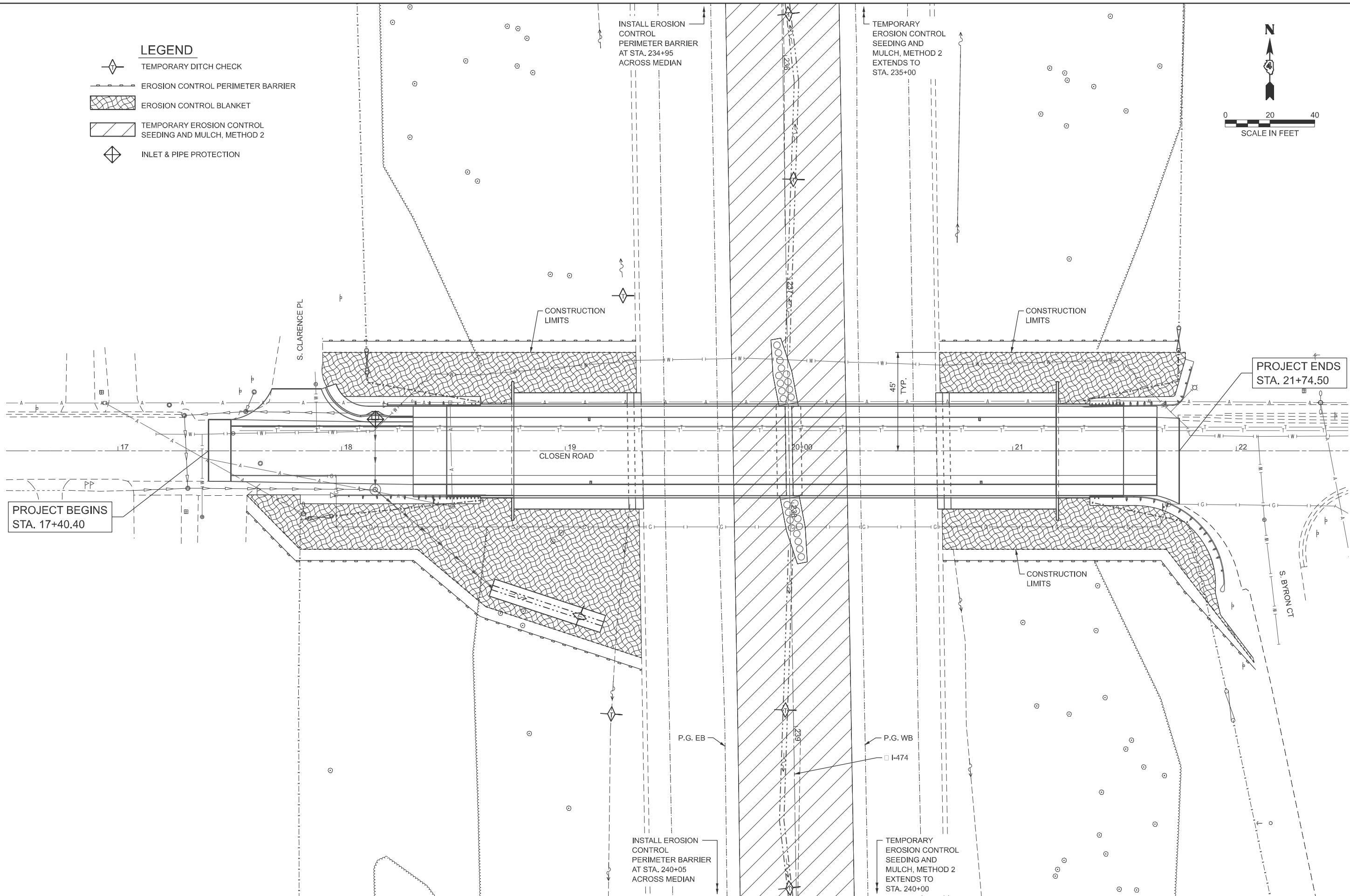
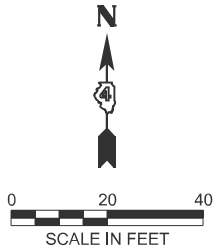
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	39
CONTRACT NO. 68E86				

ILLINOIS FED. AID PROJECT

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- LEGEND**
- TEMPORARY DITCH CHECK
 - EROSION CONTROL PERIMETER BARRIER
 - EROSION CONTROL BLANKET
 - TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2
 - INLET & PIPE PROTECTION



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e-mail: upchurchgroup@upchurchgroup.com

USER NAME = BethCatt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 5/20/2026	DATE -	REVISED -

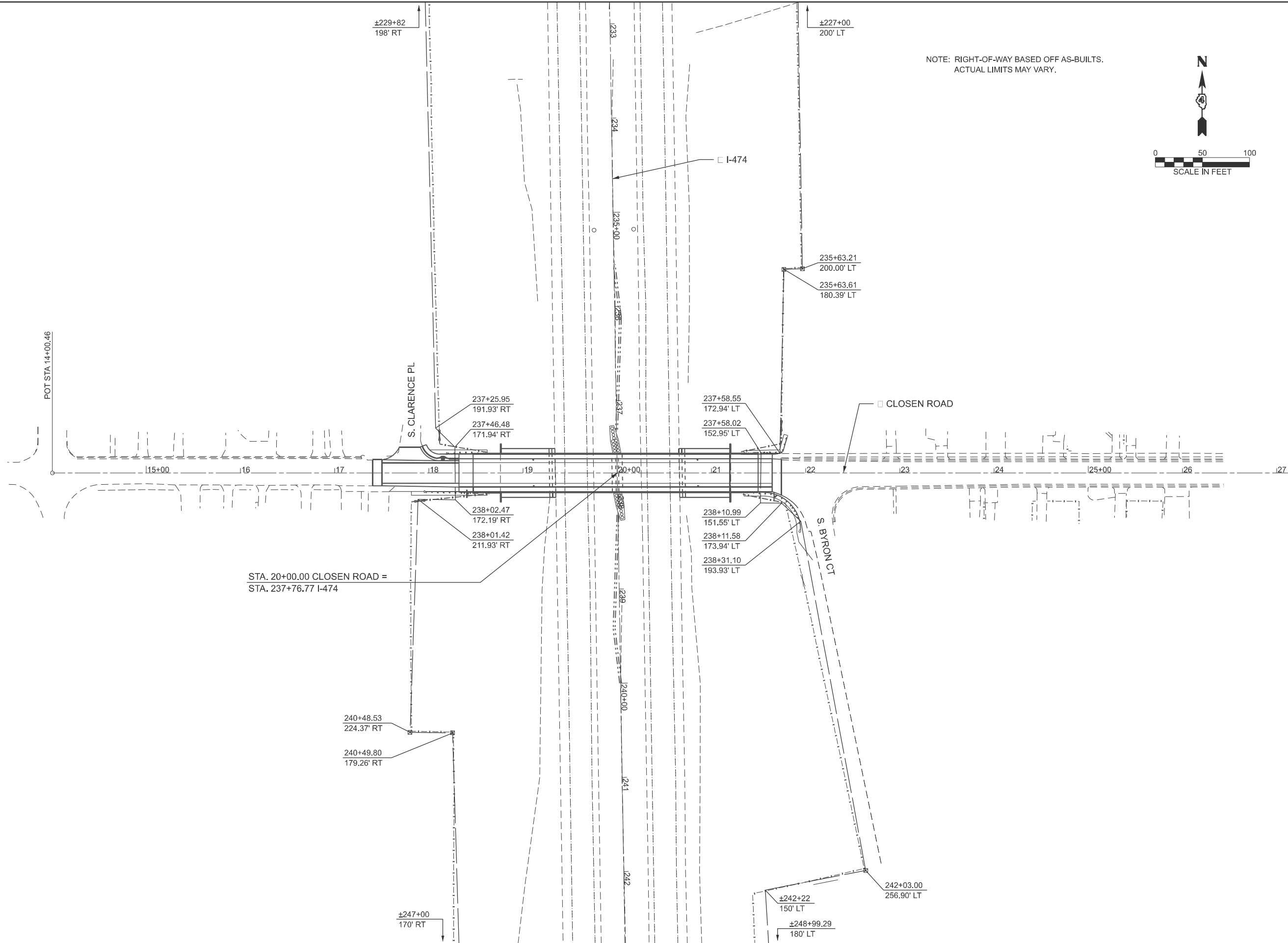
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
CLOSEN ROAD OVER I-474**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 16+50.00 TO STA. 22+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

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STA. 20+00.00 CLOSEN ROAD =
STA. 237+76.77 I-474

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

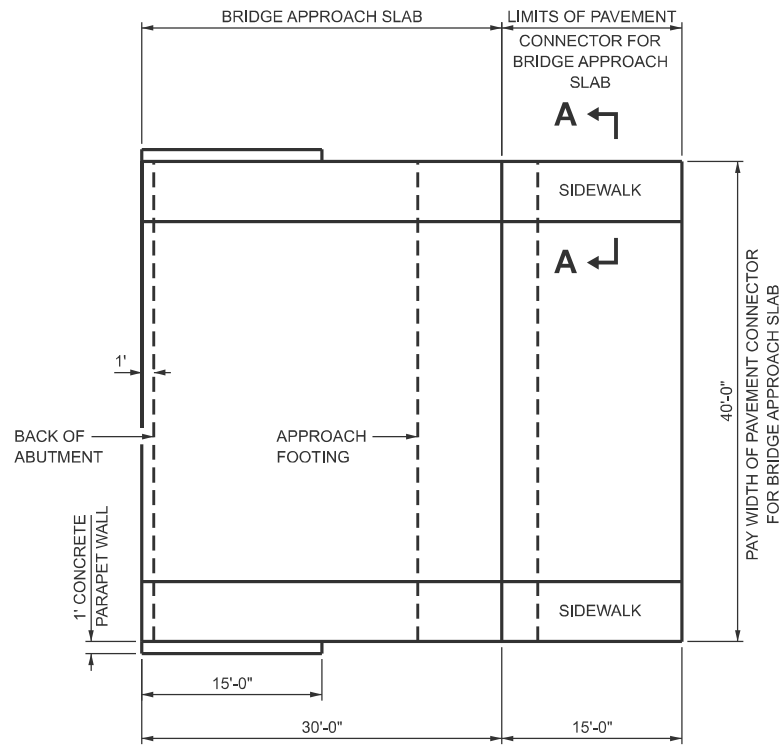
RIGHT-OF-WAY PLAN
CLOSEN ROAD OVER I-474

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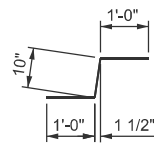
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CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

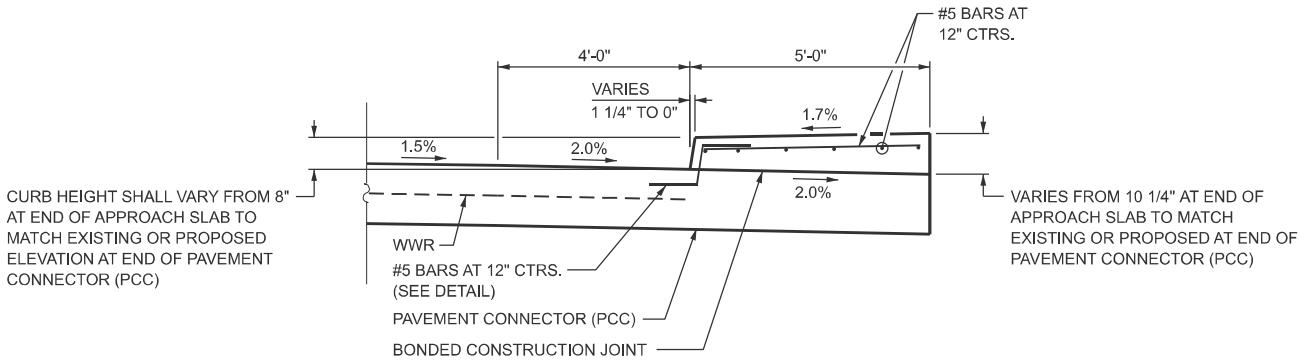
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PLAN



BAR DETAIL



SECTION A-A

NOTES:

- FOR ADDITIONAL DETAILS SEE PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH STANDARD 420401.
- SIDEWALKS INCLUDED IN COST OF PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB.
- REINFORCEMENT INCLUDED IN COST OF PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB.

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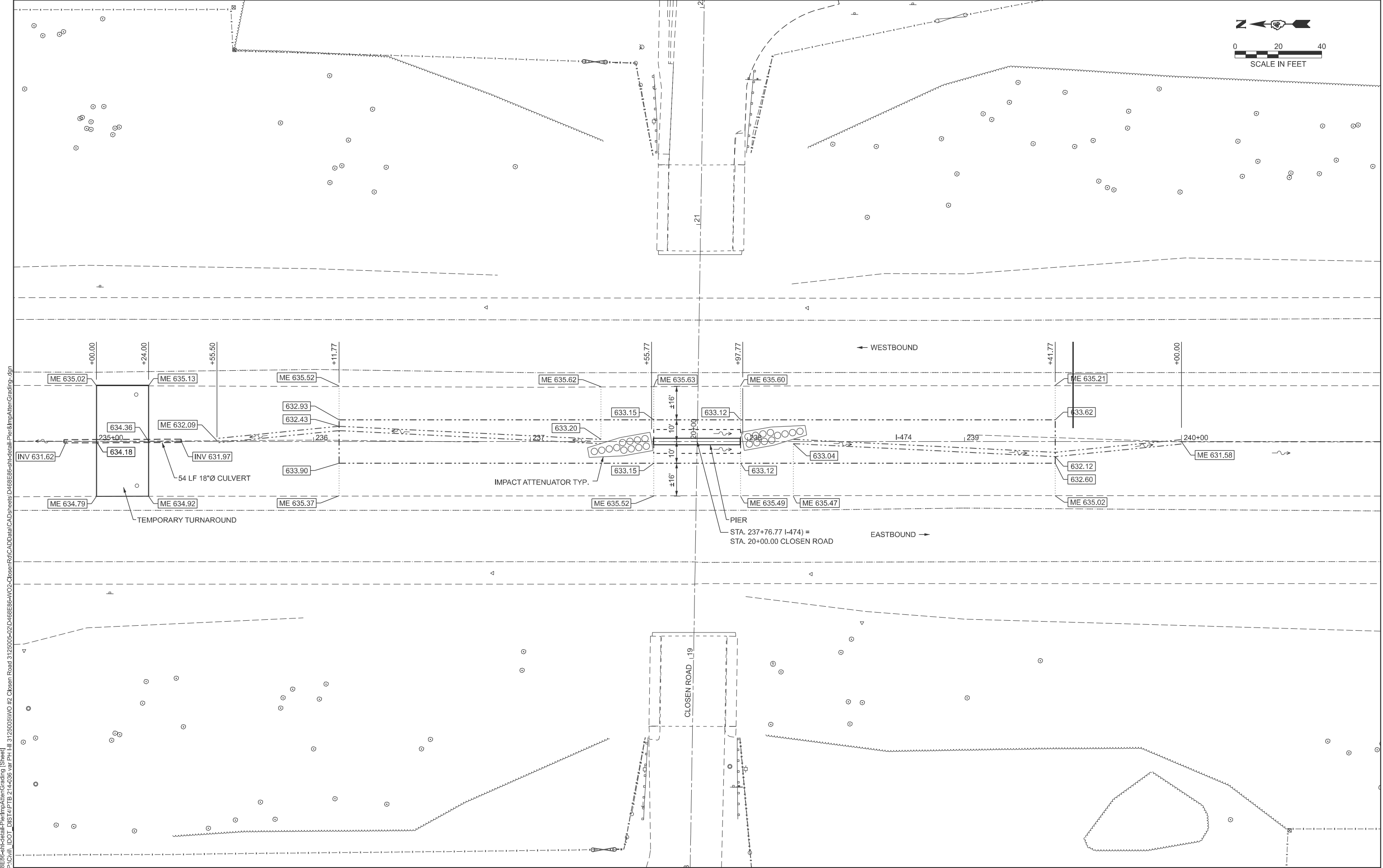
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 5/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY DETAIL - BRIDGE APPROACH SLAB CONNECTOR (PCC)
CLOSEN ROAD OVER I-474**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	42
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



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USER NAME	= BethCatt	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 5/20/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER AND IMPACT ATTENUATOR GRADING ROADWAY DETAIL
CLOSEN ROAD OVER I-474

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	43
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

Bench Mark: Arrow bolt on fire hydrant on north side of Closen Road and west of I-474, Elev. 671.308.

Existing Structure: Existing structure S.N. 072-0123 built in 1971 as FAI 474, Section (72-3HB-3). The Structure is a two span 48" web plate steel girder bridge with a reinforced concrete deck supported on reinforced concrete vaulted abutments with PPC I-beams, and RC Pier. The abutments and the approach bents are supported on steel H-Piles. The pier has spread footing foundations. The existing structure is skewed 0°56'00" right forward, Bk to Bk Approach Bents 259'-10", Out to Out superstructure width 42'-0". Structure to be removed and replaced.

Traffic will be detoured on Closen Rd. and the road closed during construction. Traffic on I-474 will be maintained using staged construction.

No Salvage.

DESIGN STRESSES

FIELD UNITS

f_c = 3,500 psi (Substructure)
f_c = 4,000 psi (Superstructure)
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (M270 Grade 50)

LOADING HL-93

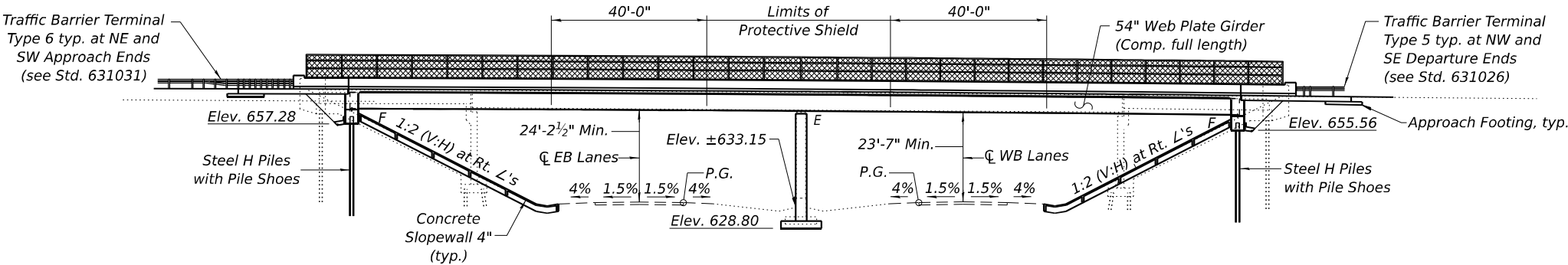
Allow 50#/sq. ft. for future wearing surface.
Deflection due to Service Live Load and Impact shall not exceed Span/1000

SEISMIC DATA

2023 AASHTO Seismic Hazard
Seismic Design Category (SDC) = A
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.079g
Soil Site Class = C
Performance Level = PL1
Latitude = 40.68° N Longitude = 89.68° W

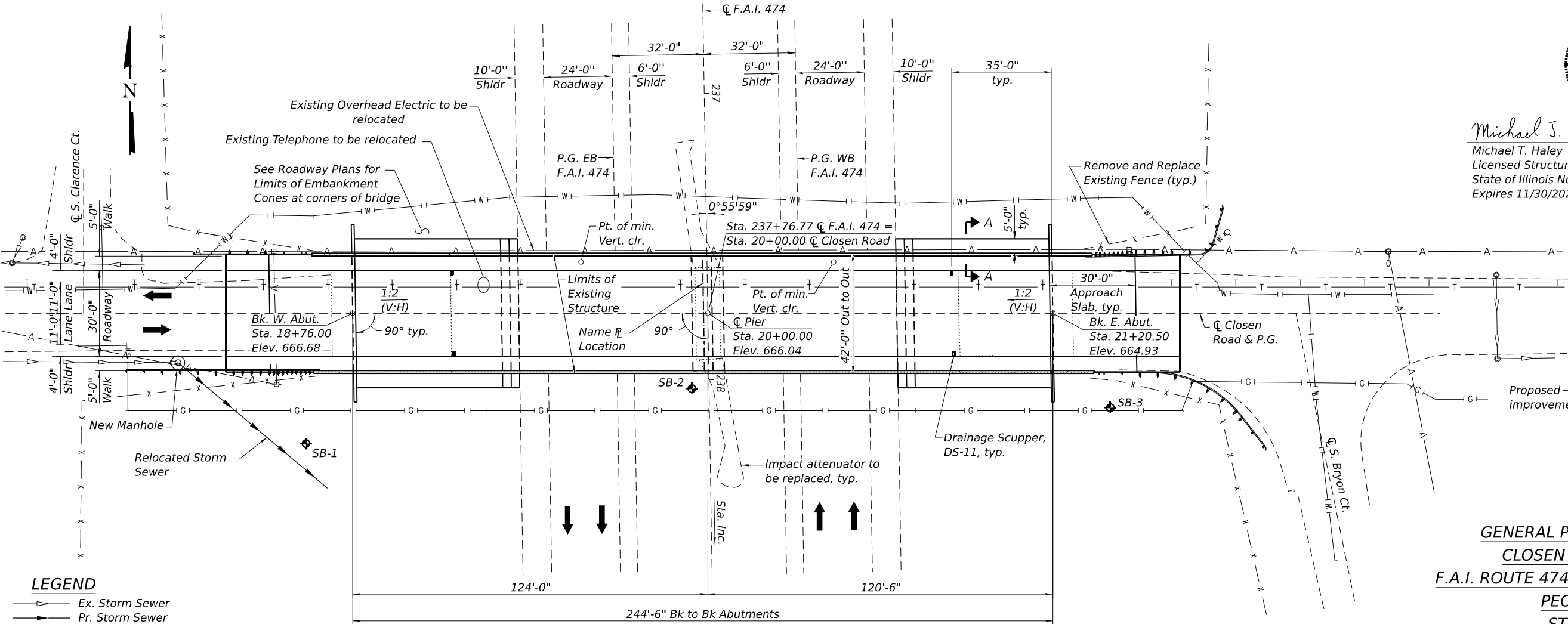
DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design Specifications, 10th Edition
2023 AASHTO Guide Specifications for LRFD Seismic Bridge Design, 3rd Edition



ELEVATION

Note:
See Sheet 2 of 26 for Section A-A.



LEGEND

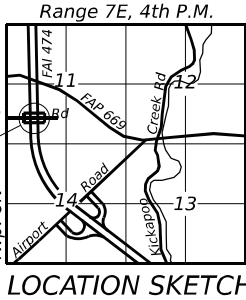
- Ex. Storm Sewer
- Pr. Storm Sewer
- Ex. Electric
- Ex. Gas
- Ex. Water
- Ex. Telephone



Michael T. Haley
Michael T. Haley
Licensed Structural Engineer
State of Illinois No. 081-005991
Expires 11/30/2026

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Mark Shaffer
ENGINEER OF BRIDGES & STRUCTURES



GENERAL PLAN AND ELEVATION

CLOSEN ROAD OVER I-474

F.A.I. ROUTE 474 - SECTION (72-3HB-3)BRR

PEORIA COUNTY

STA. 20+00.00

STRUCTURE NO. 072-0257

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	44
CONTRACT NO. 68E86				

ILLINOIS FED. AID PROJECT

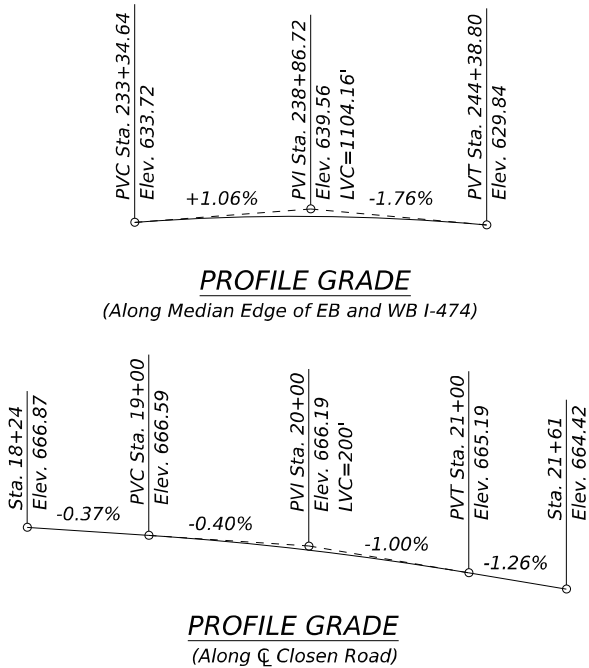
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PLOT DATE = 6/30/2026	DRAWN - TR	REVISED -
	CHECK DATE = 01/2026	REVISED -

GENERAL NOTES

1. Calculated weight of Structural Steel = 353,740 lbs. (AASHTO M270, Grade 50)
18,630 lbs. (AASHTO M270, Grade 36)
2. No field welding is permitted except as specified in the contract documents.
3. Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts 7/8 in. diameter, holes 15/16 in. diameter, unless otherwise noted.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Slipforming of the parapets is not allowed.
6. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
7. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10B 3/6.
8. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
9. The existing bearings contain lead plates. The Contractor shall take precautions to deal with the presence of lead on this project.

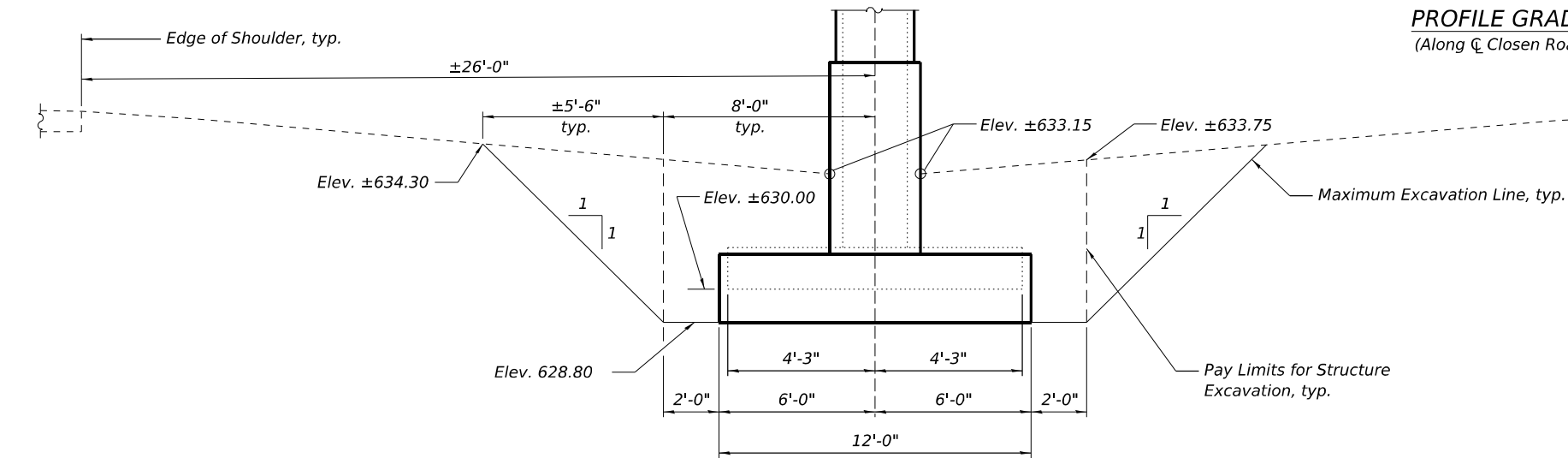
INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3-6. Top of Slab Elevations
7-8. Top of Approach Slab Elevations
9. Superstructure
10-11. Superstructure Details
12. Diaphragm Details
13-14. Bridge Approach Slab Details
15-16. Bridge Fence Railing, Curved
17. Drainage Scuppers, DS-11
18. Framing Plan
19. Steel Details
20. Bearing Details
21-22. Abutments
23. Pier
24. HP Pile Details
25-26. Soil Boring Data



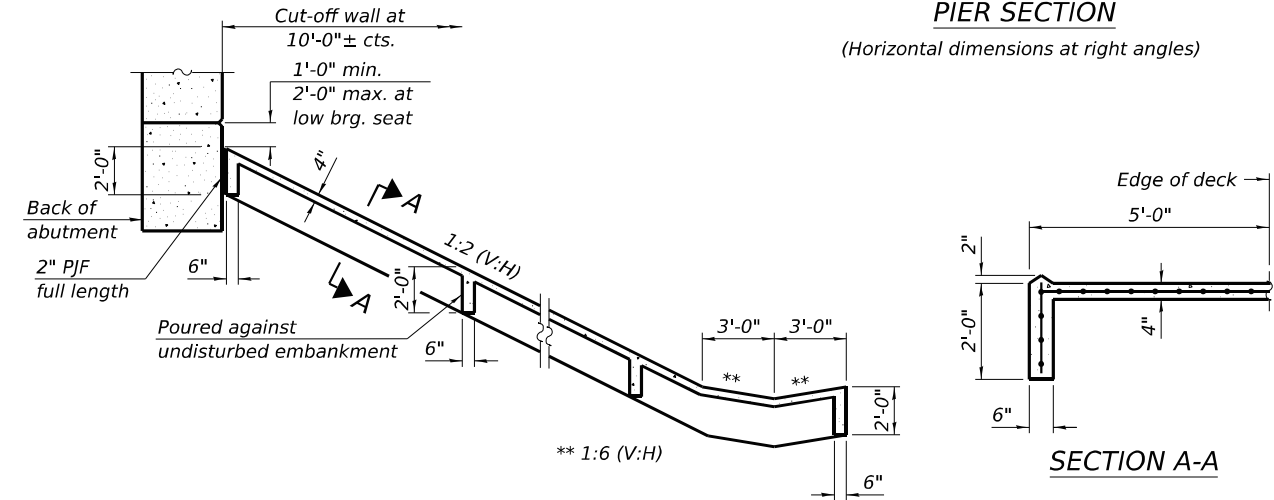
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1	-	1
Protective Shield	Sq. Yd.	374	-	374
Structure Excavation	Cu. Yd.	-	385	385
Concrete Structures	Cu. Yd.	-	207.7	207.7
Concrete Superstructure	Cu. Yd.	465.7	-	465.7
Bridge Deck Grooving	Sq. Yd.	941	-	941
Protective Coat	Sq. Yd.	1,613	-	1,613
Concrete Superstructure (Approach Slab)	Cu. Yd.	116.6	-	116.6
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	2,988	-	2,988
Reinforcement Bars, Epoxy Coated	Pound	123,390	36,450	159,840
Bridge Fence Railing, Curved	Foot	527	-	527
Slope Wall 4 Inch	Sq. Yd.	-	1,260	1,260
Furnishing Steel Piles HP 14x89	Foot	-	390	390
Driving Piles	Foot	-	390	390
Test Pile Steel HP 14x89	Each	-	1	1
Pile Shoes	Each	-	12	12
Name Plates	Each	-	1	1
High Load Multi-Rotational Bearings, Disc, Guided Expansion-500K	Each	-	6	6
Anchor Bolts, 1"	Each	-	48	48
Granular Backfill for Structures	Cu. Yd.	-	227	227
Geocomposite Wall Drain	Sq. Yd.	-	106	106
Pipe Underdrains for Structures 4"	Foot	-	161	161
Bar Terminators	Each	84	404	488
Drainage Scuppers, DS-11	Each	4	-	4



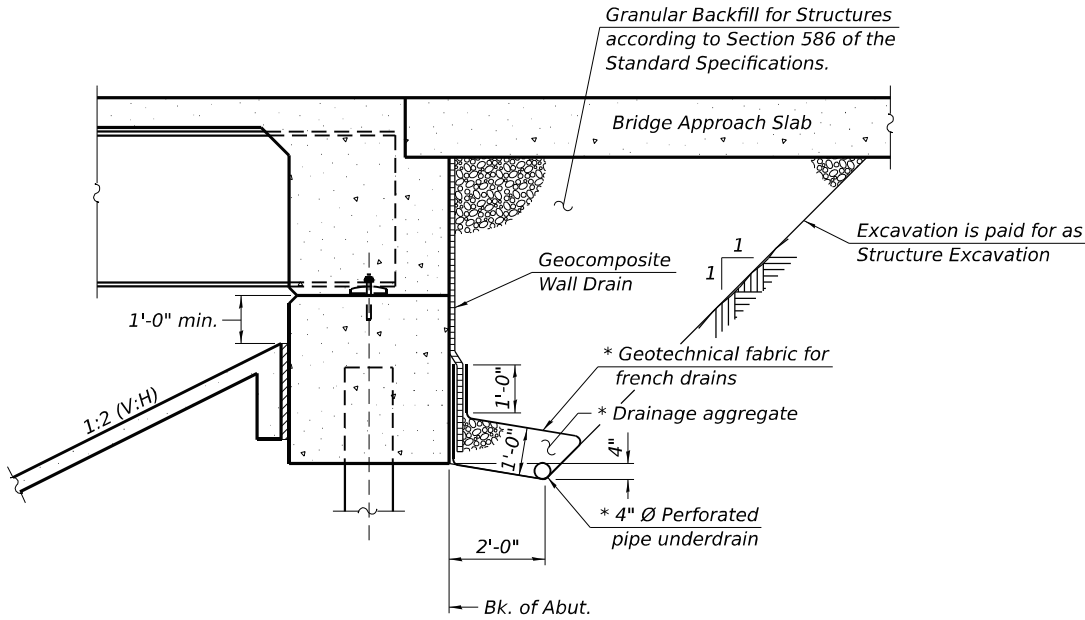
PIER SECTION

(Horizontal dimensions at right angles)



SECTION THRU CONCRETE SLOPE WALL

Note:
Slope wall shall be reinforced with galvanized welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.



SECTION THRU INTEGRAL ABUTMENT

* Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

STA. 20+00.00
BUILT BY
STATE OF ILLINOIS
F.A.I. RT. 474 SEC. (72-3HB-3)BR
LOADING HL-93
STR. NO. 072-0257

NAME PLATE

See Std. 515001

Note:
The Contractor shall stencil the structure number next to the Name Plate. The numbers shall be 2 1/2" tall and painted with black acrylic paint on a white acrylic paint rectangular background, in the format "072-0257". Cost included with Name Plates.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 072-0257

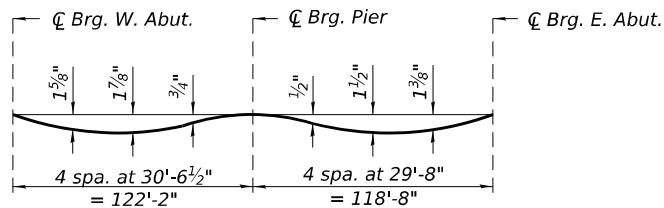
SHEET 2 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	45
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

Lin Engineering, LTD.
Consulting Engineers
Springfield, Illinois

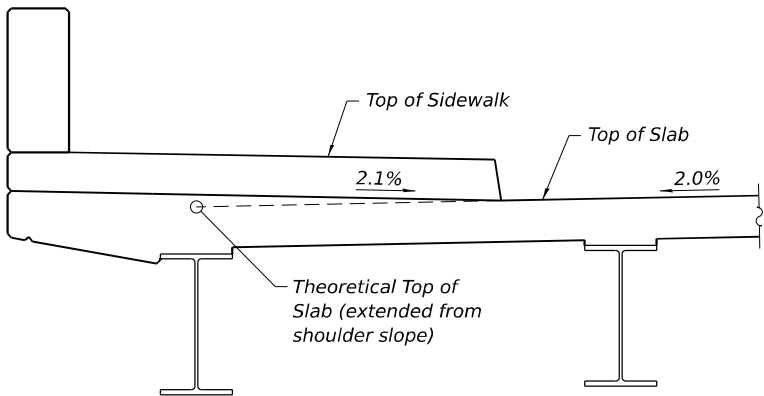
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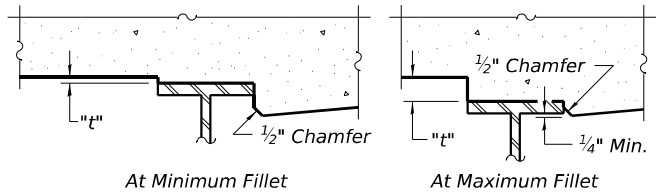


DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 4 thru 6 of 26.

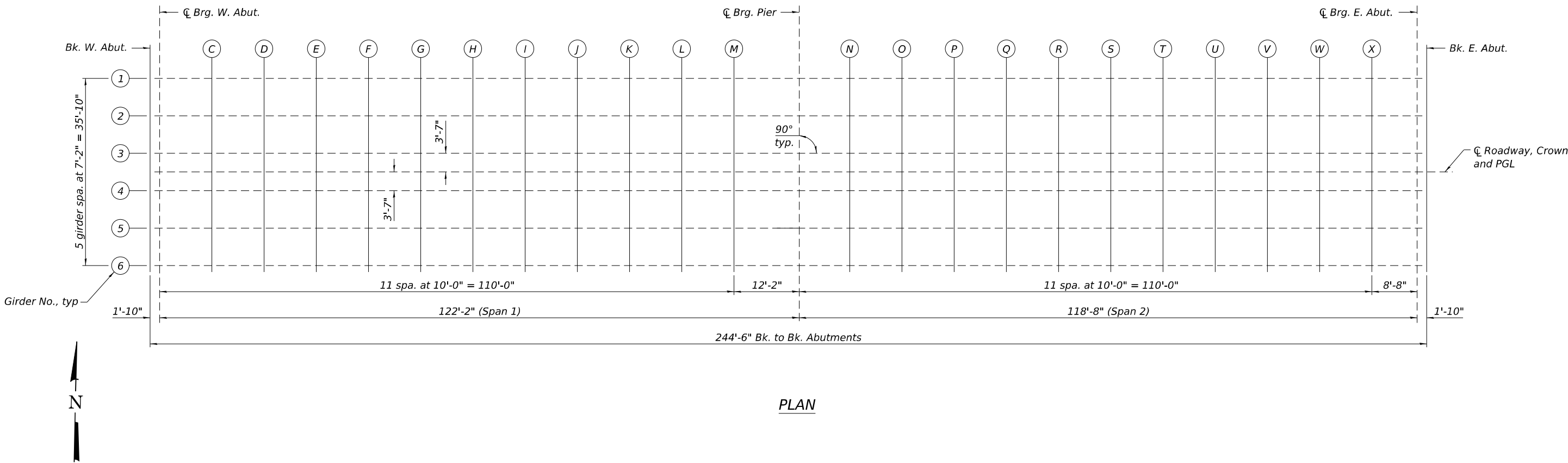


DETAIL AT SIDEWALK
Elevations at Girders 1 and 6 are provided at Theoretical Top of Slab below sidewalk as shown.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 4 thru 6 of 26, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

(Sheet 1 of 4)



USER NAME = LIN03-PC	DESIGNED - CZ	REVISED -
	CHECKED - MTH	REVISED -
PLOT SCALE =	DRAWN - TR	REVISED -
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STATE OF ILLINOIS
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TOP OF SLAB ELEVATIONS
STRUCTURE NO. 072-0257

SHEET 3 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	46
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	18+76.00	-17.92	666.38	666.38
☐ Brg. W. Abut.	18+77.83	-17.92	666.37	666.37
C	18+87.83	-17.92	666.33	666.39
D	18+97.83	-17.92	666.29	666.40
E	19+07.83	-17.92	666.25	666.40
F	19+17.83	-17.92	666.21	666.38
G	19+27.83	-17.92	666.16	666.34
H	19+37.83	-17.92	666.11	666.28
I	19+47.83	-17.92	666.06	666.21
J	19+57.83	-17.92	666.01	666.12
K	19+67.83	-17.92	665.95	666.02
L	19+77.83	-17.92	665.88	665.93
M	19+87.83	-17.92	665.82	665.84
☐ Brg. Pier	20+00.00	-17.92	665.74	665.74
N	20+10.00	-17.92	665.67	665.67
O	20+20.00	-17.92	665.59	665.62
P	20+30.00	-17.92	665.51	665.56
Q	20+40.00	-17.92	665.43	665.51
R	20+50.00	-17.92	665.35	665.46
S	20+60.00	-17.92	665.26	665.39
T	20+70.00	-17.92	665.17	665.31
U	20+80.00	-17.92	665.08	665.22
V	20+90.00	-17.92	664.99	665.10
W	21+00.00	-17.92	664.89	664.97
X	21+10.00	-17.92	664.76	664.80
☐ Brg. E. Abut.	21+18.67	-17.92	664.65	664.65
Bk. E. Abut.	21+20.50	-17.92	664.63	664.63

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	18+76.00	-10.75	666.52	666.52
☐ Brg. W. Abut.	18+77.83	-10.75	666.51	666.51
C	18+87.83	-10.75	666.47	666.53
D	18+97.83	-10.75	666.44	666.54
E	19+07.83	-10.75	666.40	666.53
F	19+17.83	-10.75	666.35	666.51
G	19+27.83	-10.75	666.31	666.47
H	19+37.83	-10.75	666.26	666.41
I	19+47.83	-10.75	666.20	666.34
J	19+57.83	-10.75	666.15	666.25
K	19+67.83	-10.75	666.09	666.16
L	19+77.83	-10.75	666.03	666.07
M	19+87.83	-10.75	665.96	665.98
☐ Brg. Pier	20+00.00	-10.75	665.88	665.88
N	20+10.00	-10.75	665.81	665.81
O	20+20.00	-10.75	665.73	665.76
P	20+30.00	-10.75	665.66	665.70
Q	20+40.00	-10.75	665.57	665.65
R	20+50.00	-10.75	665.49	665.59
S	20+60.00	-10.75	665.40	665.53
T	20+70.00	-10.75	665.32	665.45
U	20+80.00	-10.75	665.22	665.35
V	20+90.00	-10.75	665.13	665.24
W	21+00.00	-10.75	665.03	665.11
X	21+10.00	-10.75	664.90	664.94
☐ Brg. E. Abut.	21+18.67	-10.75	664.79	664.79
Bk. E. Abut.	21+20.50	-10.75	664.77	664.77

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	18+76.00	-3.58	666.63	666.63
☐ Brg. W. Abut.	18+77.83	-3.58	666.62	666.62
C	18+87.83	-3.58	666.58	666.63
D	18+97.83	-3.58	666.54	666.65
E	19+07.83	-3.58	666.50	666.64
F	19+17.83	-3.58	666.46	666.62
G	19+27.83	-3.58	666.41	666.58
H	19+37.83	-3.58	666.36	666.52
I	19+47.83	-3.58	666.31	666.44
J	19+57.83	-3.58	666.25	666.36
K	19+67.83	-3.58	666.20	666.27
L	19+77.83	-3.58	666.13	666.17
M	19+87.83	-3.58	666.07	666.08
☐ Brg. Pier	20+00.00	-3.58	665.99	665.99
N	20+10.00	-3.58	665.91	665.92
O	20+20.00	-3.58	665.84	665.86
P	20+30.00	-3.58	665.76	665.81
Q	20+40.00	-3.58	665.68	665.76
R	20+50.00	-3.58	665.60	665.70
S	20+60.00	-3.58	665.51	665.63
T	20+70.00	-3.58	665.42	665.55
U	20+80.00	-3.58	665.33	665.46
V	20+90.00	-3.58	665.23	665.34
W	21+00.00	-3.58	665.14	665.22
X	21+10.00	-3.58	665.01	665.05
☐ Brg. E. Abut.	21+18.67	-3.58	664.90	664.90
Bk. E. Abut.	21+20.50	-3.58	664.88	664.88

Note:
Offsets are measured from ☐ roadway.

(Sheet 2 of 4)

MODEL: Br Sheet Consultant
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TOP OF SLAB ELEVATIONS
STRUCTURE NO. 072-0257

SHEET 5 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	48
CONTRACT NO. 68E86				
		ILLINOIS	FED. AID PROJECT	

CL ROADWAY, CROWN & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	18+76.00	0.00	666.68	666.68
CL Brg. W. Abut.	18+77.83	0.00	666.67	666.67
C	18+87.83	0.00	666.64	666.69
D	18+97.83	0.00	666.60	666.70
E	19+07.83	0.00	666.56	666.69
F	19+17.83	0.00	666.51	666.67
G	19+27.83	0.00	666.47	666.63
H	19+37.83	0.00	666.42	666.57
I	19+47.83	0.00	666.36	666.50
J	19+57.83	0.00	666.31	666.41
K	19+67.83	0.00	666.25	666.32
L	19+77.83	0.00	666.19	666.23
M	19+87.83	0.00	666.12	666.14
CL Brg. Pier	20+00.00	0.00	666.04	666.04
N	20+10.00	0.00	665.97	665.97
O	20+20.00	0.00	665.89	665.92
P	20+30.00	0.00	665.82	665.86
Q	20+40.00	0.00	665.74	665.81
R	20+50.00	0.00	665.65	665.75
S	20+60.00	0.00	665.57	665.69
T	20+70.00	0.00	665.48	665.61
U	20+80.00	0.00	665.38	665.51
V	20+90.00	0.00	665.29	665.40
W	21+00.00	0.00	665.19	665.27
X	21+10.00	0.00	665.06	665.10
CL Brg. E. Abut.	21+18.67	0.00	664.95	664.95
Bk. E. Abut.	21+20.50	0.00	664.93	664.93

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	18+76.00	3.58	666.63	666.63
CL Brg. W. Abut.	18+77.83	3.58	666.62	666.62
C	18+87.83	3.58	666.58	666.63
D	18+97.83	3.58	666.54	666.65
E	19+07.83	3.58	666.50	666.64
F	19+17.83	3.58	666.46	666.62
G	19+27.83	3.58	666.41	666.58
H	19+37.83	3.58	666.36	666.52
I	19+47.83	3.58	666.31	666.44
J	19+57.83	3.58	666.25	666.36
K	19+67.83	3.58	666.20	666.27
L	19+77.83	3.58	666.13	666.17
M	19+87.83	3.58	666.07	666.08
CL Brg. Pier	20+00.00	3.58	665.99	665.99
N	20+10.00	3.58	665.91	665.92
O	20+20.00	3.58	665.84	665.86
P	20+30.00	3.58	665.76	665.81
Q	20+40.00	3.58	665.68	665.76
R	20+50.00	3.58	665.60	665.70
S	20+60.00	3.58	665.51	665.63
T	20+70.00	3.58	665.42	665.55
U	20+80.00	3.58	665.33	665.46
V	20+90.00	3.58	665.23	665.34
W	21+00.00	3.58	665.14	665.22
X	21+10.00	3.58	665.01	665.05
CL Brg. E. Abut.	21+18.67	3.58	664.90	664.90
Bk. E. Abut.	21+20.50	3.58	664.88	664.88

Note:
Offsets are measured from CL roadway.

(Sheet 3 of 4)

MODEL: Br Sheet Consultant
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GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	18+76.00	10.75	666.52	666.52
℄ Brg. W. Abut.	18+77.83	10.75	666.51	666.51
C	18+87.83	10.75	666.47	666.53
D	18+97.83	10.75	666.44	666.54
E	19+07.83	10.75	666.40	666.53
F	19+17.83	10.75	666.35	666.51
G	19+27.83	10.75	666.31	666.47
H	19+37.83	10.75	666.26	666.41
I	19+47.83	10.75	666.20	666.34
J	19+57.83	10.75	666.15	666.25
K	19+67.83	10.75	666.09	666.16
L	19+77.83	10.75	666.03	666.07
M	19+87.83	10.75	665.96	665.98
℄ Brg. Pier	20+00.00	10.75	665.88	665.88
N	20+10.00	10.75	665.81	665.81
O	20+20.00	10.75	665.73	665.76
P	20+30.00	10.75	665.66	665.70
Q	20+40.00	10.75	665.57	665.65
R	20+50.00	10.75	665.49	665.59
S	20+60.00	10.75	665.40	665.53
T	20+70.00	10.75	665.32	665.45
U	20+80.00	10.75	665.22	665.35
V	20+90.00	10.75	665.13	665.24
W	21+00.00	10.75	665.03	665.11
X	21+10.00	10.75	664.90	664.94
℄ Brg. E. Abut.	21+18.67	10.75	664.79	664.79
Bk. E. Abut.	21+20.50	10.75	664.77	664.77

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	18+76.00	17.92	666.38	666.38
℄ Brg. W. Abut.	18+77.83	17.92	666.37	666.37
C	18+87.83	17.92	666.33	666.39
D	18+97.83	17.92	666.29	666.40
E	19+07.83	17.92	666.25	666.40
F	19+17.83	17.92	666.21	666.38
G	19+27.83	17.92	666.16	666.34
H	19+37.83	17.92	666.11	666.28
I	19+47.83	17.92	666.06	666.21
J	19+57.83	17.92	666.01	666.12
K	19+67.83	17.92	665.95	666.02
L	19+77.83	17.92	665.88	665.93
M	19+87.83	17.92	665.82	665.84
℄ Brg. Pier	20+00.00	17.92	665.74	665.74
N	20+10.00	17.92	665.67	665.67
O	20+20.00	17.92	665.59	665.62
P	20+30.00	17.92	665.51	665.56
Q	20+40.00	17.92	665.43	665.51
R	20+50.00	17.92	665.35	665.46
S	20+60.00	17.92	665.26	665.39
T	20+70.00	17.92	665.17	665.31
U	20+80.00	17.92	665.08	665.22
V	20+90.00	17.92	664.99	665.10
W	21+00.00	17.92	664.89	664.97
X	21+10.00	17.92	664.76	664.80
℄ Brg. E. Abut.	21+18.67	17.92	664.65	664.65
Bk. E. Abut.	21+20.50	17.92	664.63	664.63

Note:
Offsets are measured from ℄ roadway.

(Sheet 4 of 4)

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DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 072-0257

SHEET 6 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	49
CONTRACT NO. 68E86				
ILLINOIS		FED. AID PROJECT		

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		CHECKED	- MTH	REVISED	-
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PLOT DATE	= 6/4/2026	CHECK DATE	- 01/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
STRUCTURE NO. 072-0257

SHEET 8 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	51
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach Slab	21+19.50	-15.00	664.70
Y	21+29.50	-15.00	664.57
Z	21+39.50	-15.00	664.45
E. End of E. Approach Slab	21+49.50	-15.00	664.32

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach Slab	21+19.50	-11.00	664.78
Y	21+29.50	-11.00	664.65
Z	21+39.50	-11.00	664.53
E. End of E. Approach Slab	21+49.50	-11.00	664.40

CL ROADWAY, CROWN & PGL

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach Slab	21+19.50	0.00	664.94
Y	21+29.50	0.00	664.82
Z	21+39.50	0.00	664.69
E. End of E. Approach Slab	21+49.50	0.00	664.57

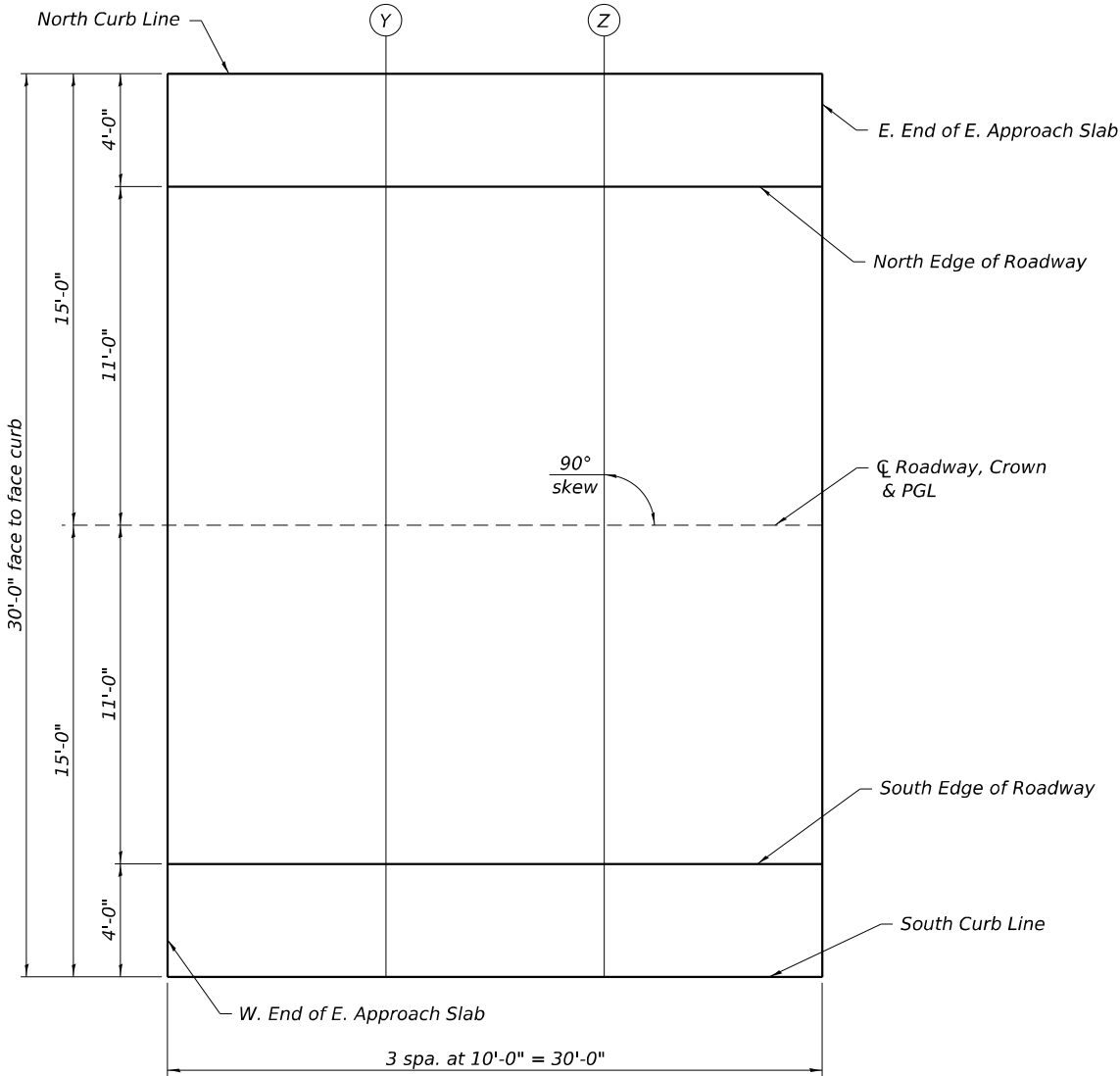
SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach Slab	21+19.50	11.00	664.78
Y	21+29.50	11.00	664.65
Z	21+39.50	11.00	664.53
E. End of E. Approach Slab	21+49.50	11.00	664.40

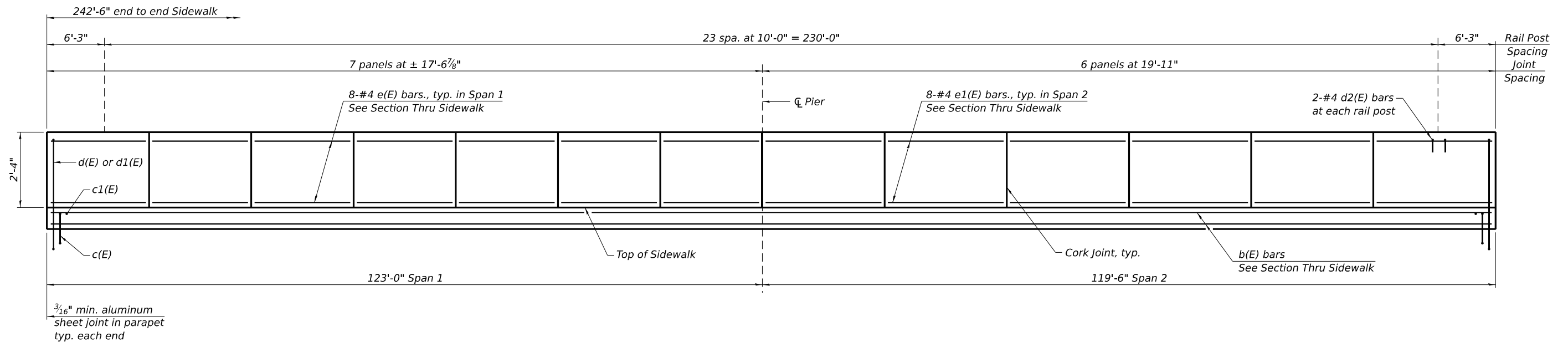
SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach Slab	21+19.50	15.00	664.70
Y	21+29.50	15.00	664.57
Z	21+39.50	15.00	664.45
E. End of E. Approach Slab	21+49.50	15.00	664.32

Note:
Offsets are measured from CL roadway.

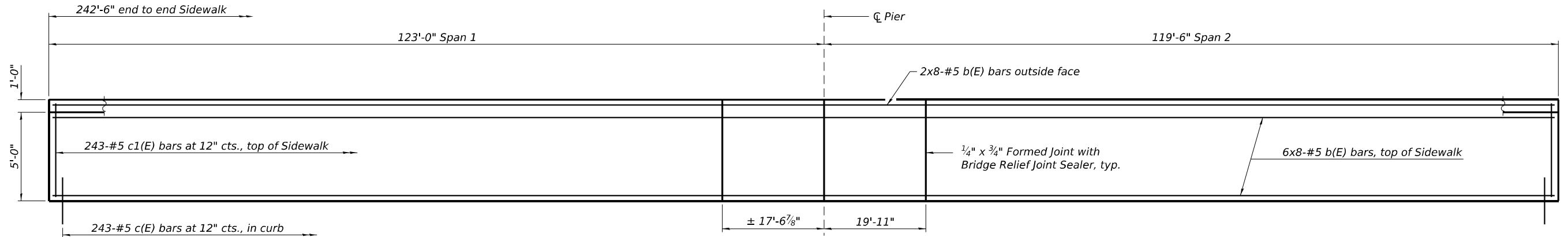


EAST APPROACH PLAN



INSIDE ELEVATION OF SIDEWALK AND PARAPET
(Looking North at North Sidewalk; South Sidewalk mirror image)

MINIMUM BAR LAP
#5 bar = 3'-10"



SIDEWALK PLAN
(North Sidewalk shown; South Sidewalk mirrored)

Notes:
See Sheet 11 of 26 for Section Thru Sidewalk.
Bars indicated thus 1 x 2-#4 etc. indicates
1 line of bars with 2 lengths per line.

(Sheet 1 of 2)

STATE OF ILLINOIS
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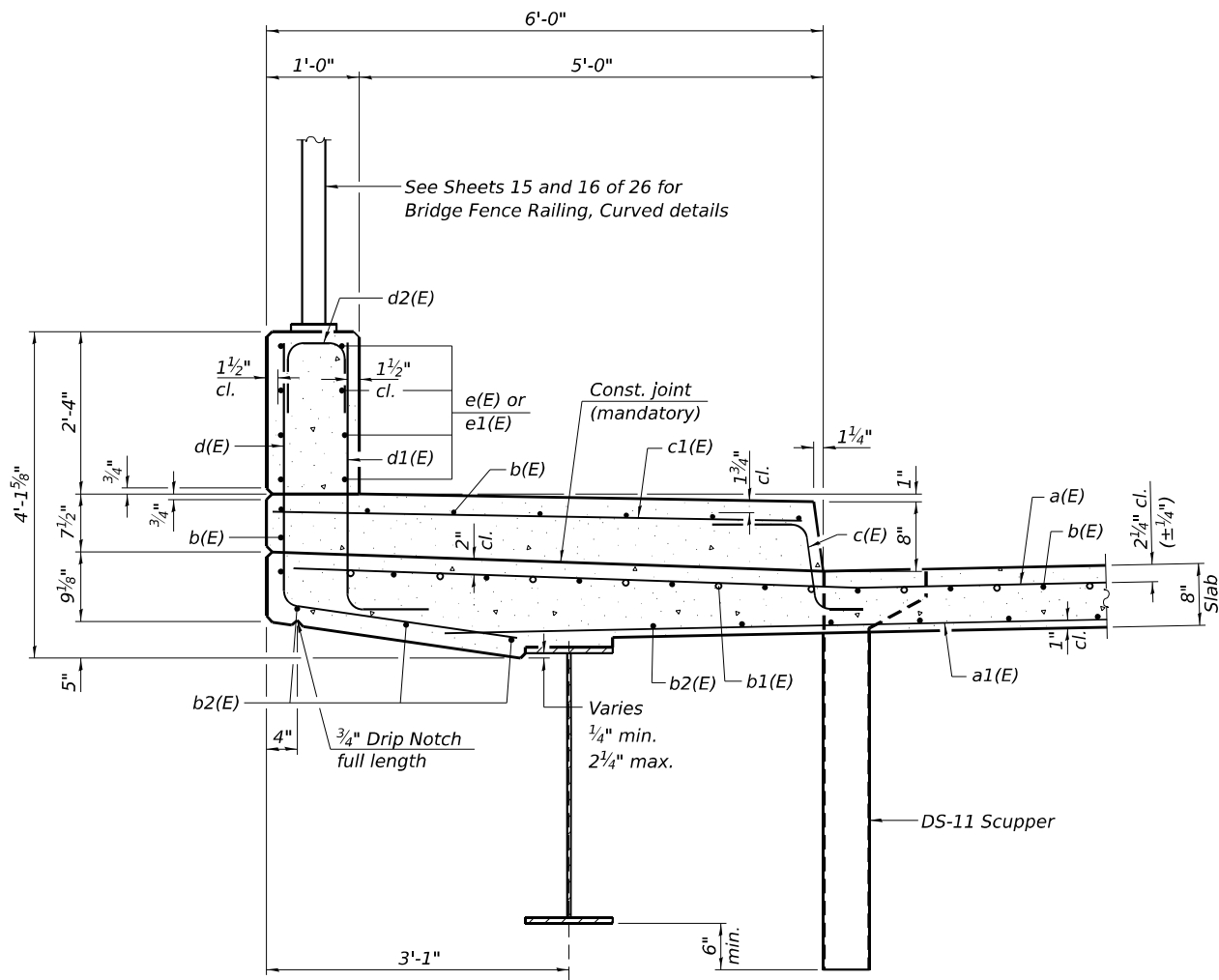
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 072-0257

SHEET 10 OF 26 SHEETS

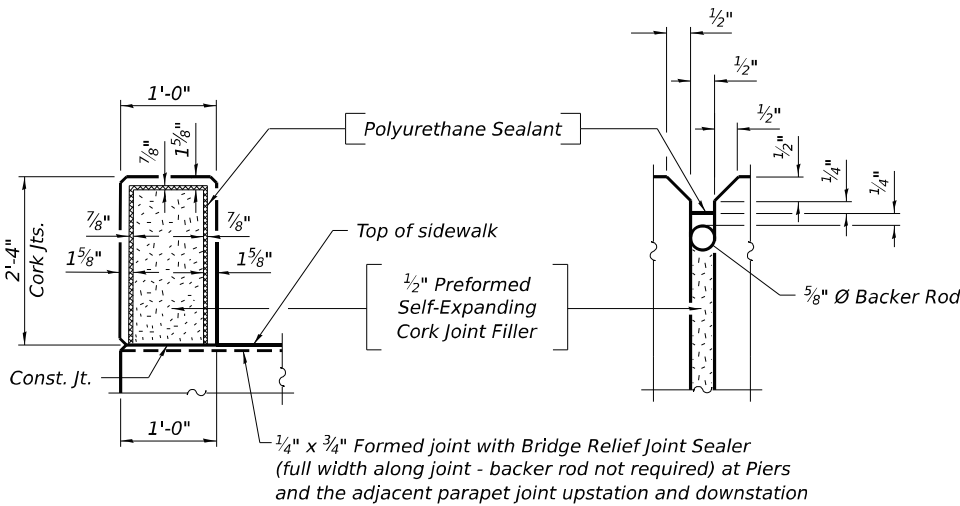
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474	(72-3HB-3)BR	PEORIA	108	53
CONTRACT NO. 68E86				
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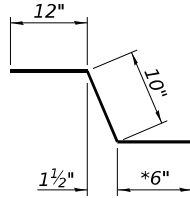
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SECTION THRU SIDEWALK

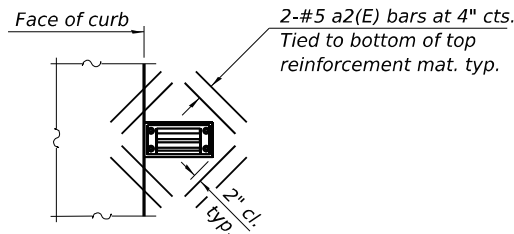


PARAPET JOINT DETAILS



BAR c(E)

* In lieu of bottom leg, c(E) bars may be drilled and set according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of drilled hole shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.

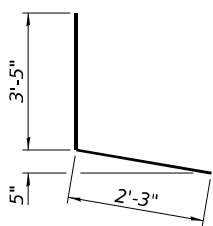


PLAN AT SCUPPER

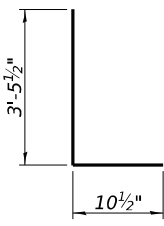
Note:
Cut longitudinal reinforcement to clear drainage scuppers.

SUPERSTRUCTURE
BILL OF MATERIAL

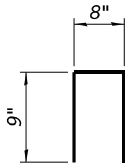
Bar	No.	Size	Length	Shape
a(E)	479	#5	41'-8"	—
a1(E)	283	#5	39'-2"	—
a2(E)	32	#5	1'-6"	—
b(E)	464	#5	33'-8"	—
b1(E)	123	#6	29'-8"	—
b2(E)	252	#5	38'-0"	—
c(E)	486	#5	2'-4"	⌋
c1(E)	486	#5	5'-7"	—
d(E)	486	#4	5'-8"	⌋
d1(E)	486	#6	4'-4"	⌋
d2(E)	96	#4	2'-2"	⌋
e(E)	112	#4	17'-3"	—
e1(E)	96	#4	19'-7"	—
m10(E)	12	#6	41'-8"	—
m11(E)	50	#6	6'-10"	—
m12(E)	20	#6	2'-9"	—
s10(E)	82	#5	9'-7"	⌋
s11(E)	82	#5	13'-8"	⌋
v100(E)	84	#5	3'-1"	⌋
Reinforcement Bars, Epoxy Coated Concrete Superstructure			Lbs.	79,500
			Cu. Yds.	444.1



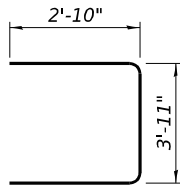
BAR d(E)



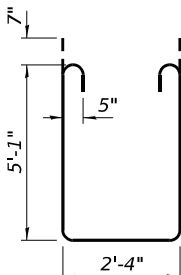
BAR d1(E)



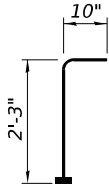
BAR d2(E)



BAR s10(E)



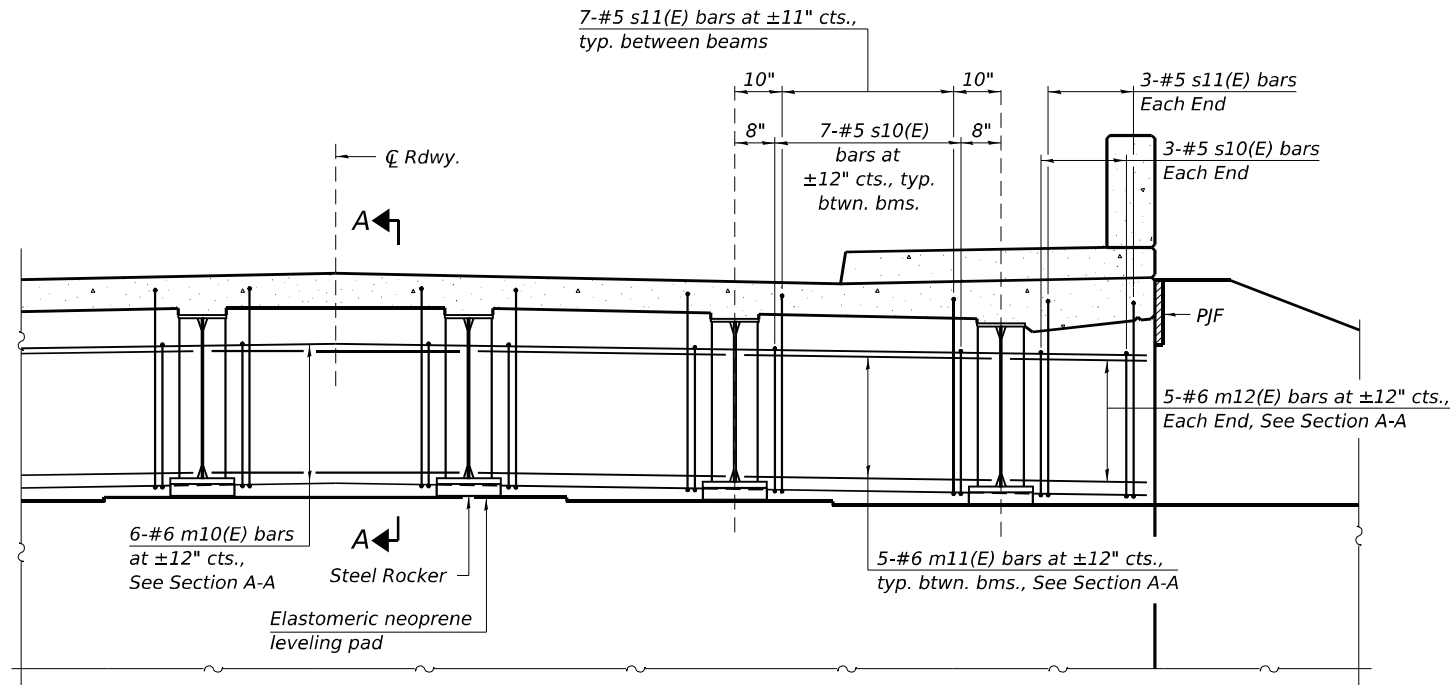
BAR s11(E)



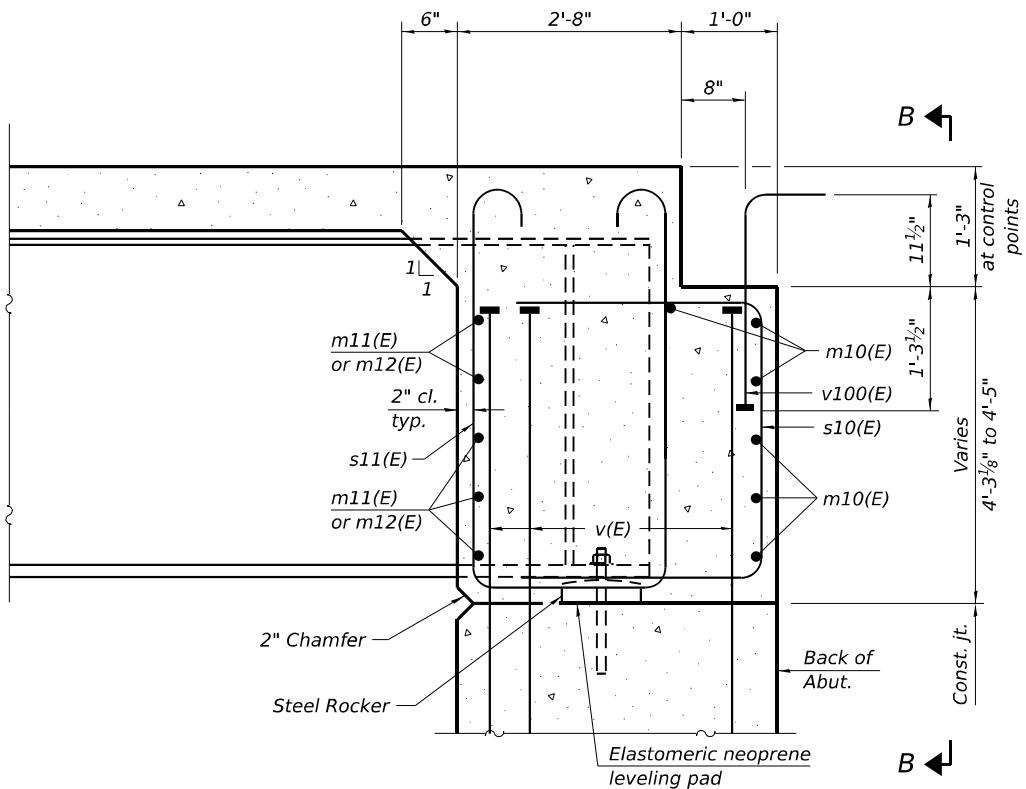
BAR v100(E)
(Headed. 84-#5 Bar terminators)

Notes:
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Bar terminators, paid for separately. See Total Bill of Material.
See Sheet 1 of 26 for Drainage Scupper locations.

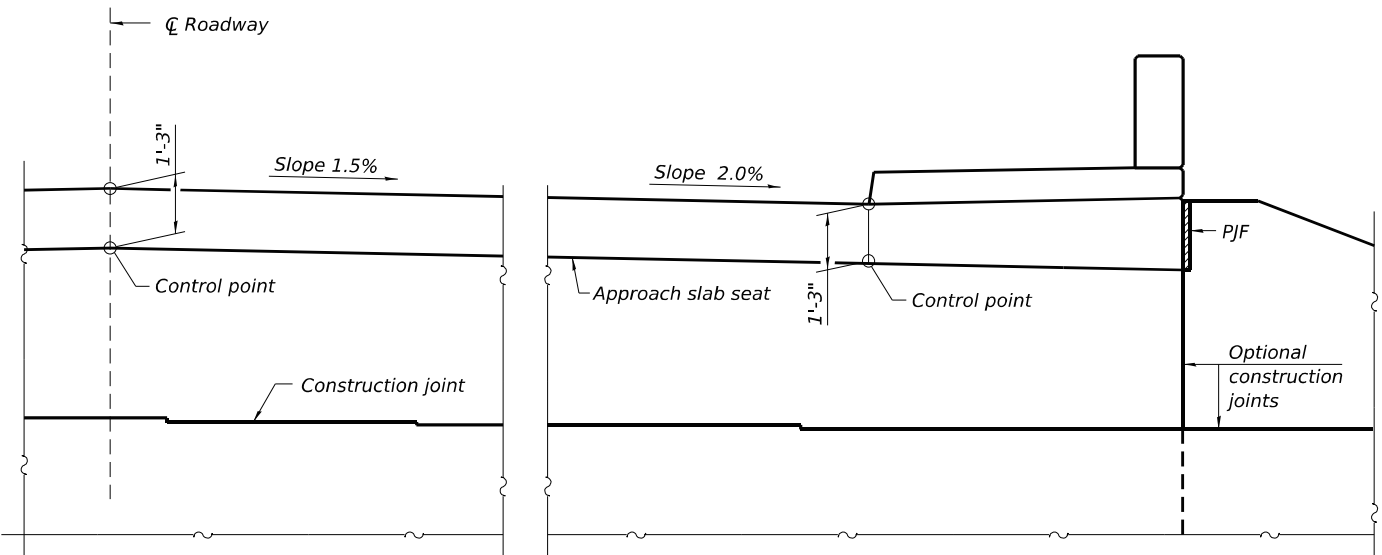
(Sheet 2 of 2)



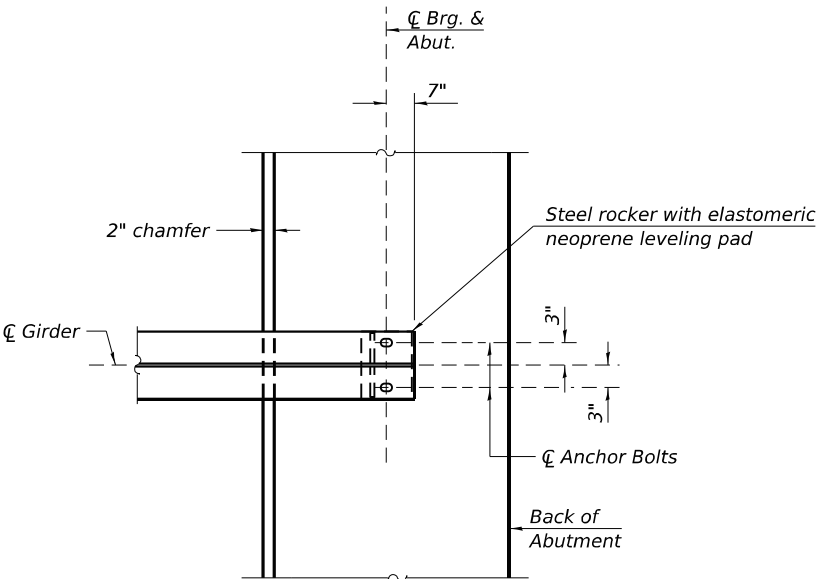
DIAPHRAGM AT ABUTMENT



SECTION A-A



VIEW B-B



PLAN AT ABUTMENT

(Showing bottom flange of girder)

Notes:
See sheets 10 and 11 of 26 for superstructure details and Bill of Material.
See sheet 13 of 26 for P.J.F. details.
The approach slab seat shall have a constant slope determined from the control points shown.

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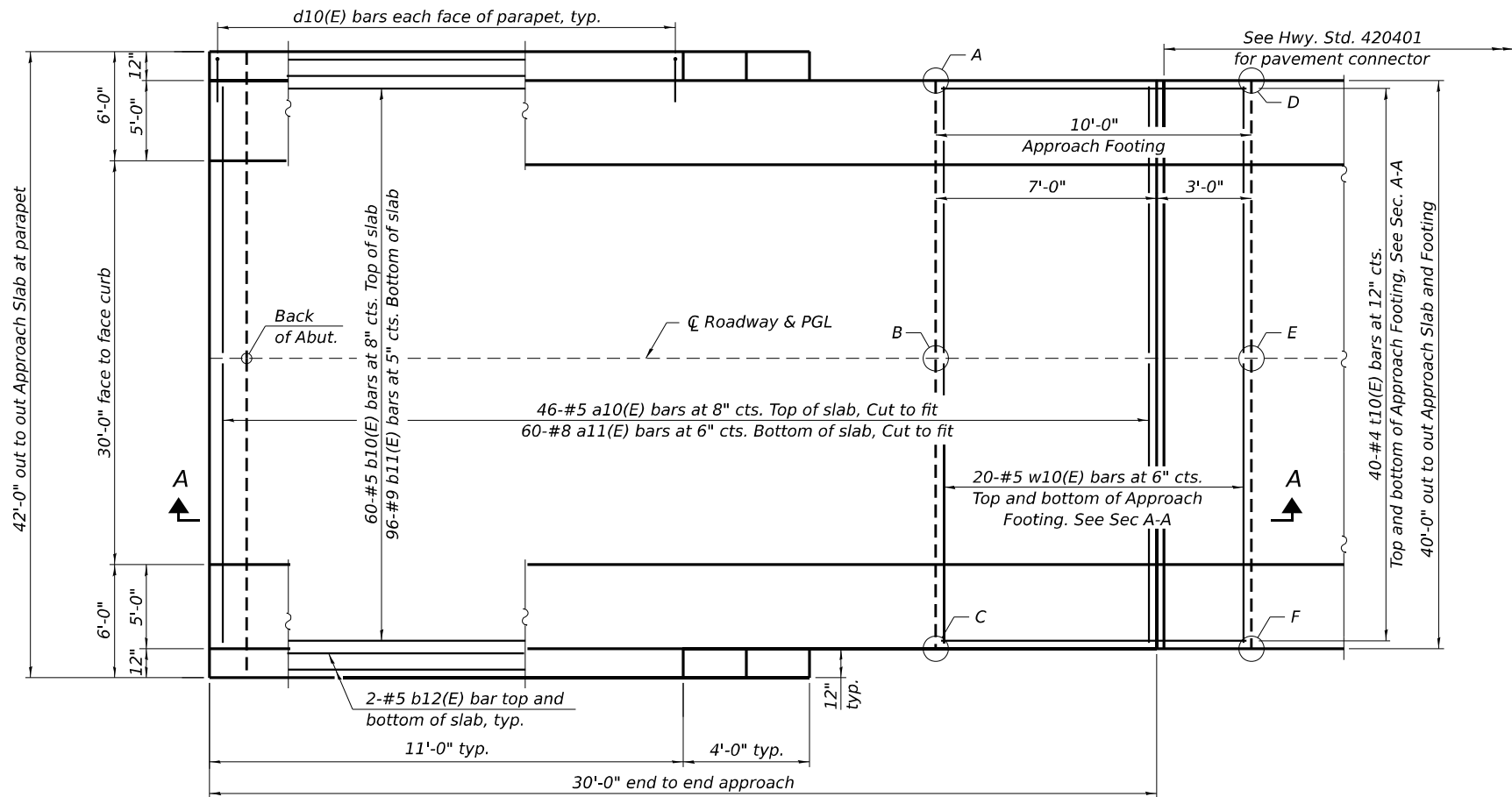
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO. 072-0257

SHEET 12 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	55
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



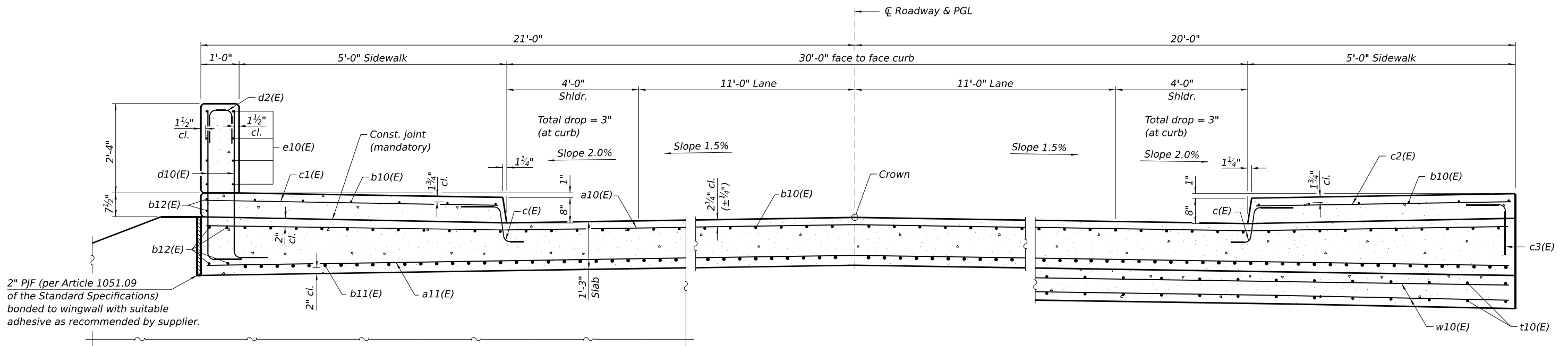
**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

West Approach		
Point/Location	Top	Bottom
A - Sta. 18+54.00; 20.00' Lt.	665.16	664.33
B - Sta. 18+54.00; $\bar{C}$	665.51	664.68
C - Sta. 18+54.00; 20.00' Rt.	665.16	664.33
D - Sta. 18+44.00; 20.00' Lt.	665.20	664.37
E - Sta. 18+44.00; $\bar{C}$	665.55	664.71
F - Sta. 18+44.00; 20.00' Rt.	665.20	664.37

East Approach		
Point/Location	Top	Bottom
A - Sta. 21+42.50; 20.00' Lt.	663.06	662.23
B - Sta. 21+42.50; $\bar{C}$	663.40	662.57
C - Sta. 21+42.50; 20.00' Rt.	663.06	662.23
D - Sta. 21+52.50; 20.00' Lt.	662.93	662.10
E - Sta. 21+52.50; $\bar{C}$	663.28	662.45
F - Sta. 21+52.50; 20.00' Rt.	662.93	662.10

Note:
See Sheet 14 of 26 for Section A-A

PLAN
(East approach slab shown; West approach slab similar by 180° rotation)



CROSS SECTION
(Looking East)

AT APPROACH FOOTING

(Sheet 1 of 2)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

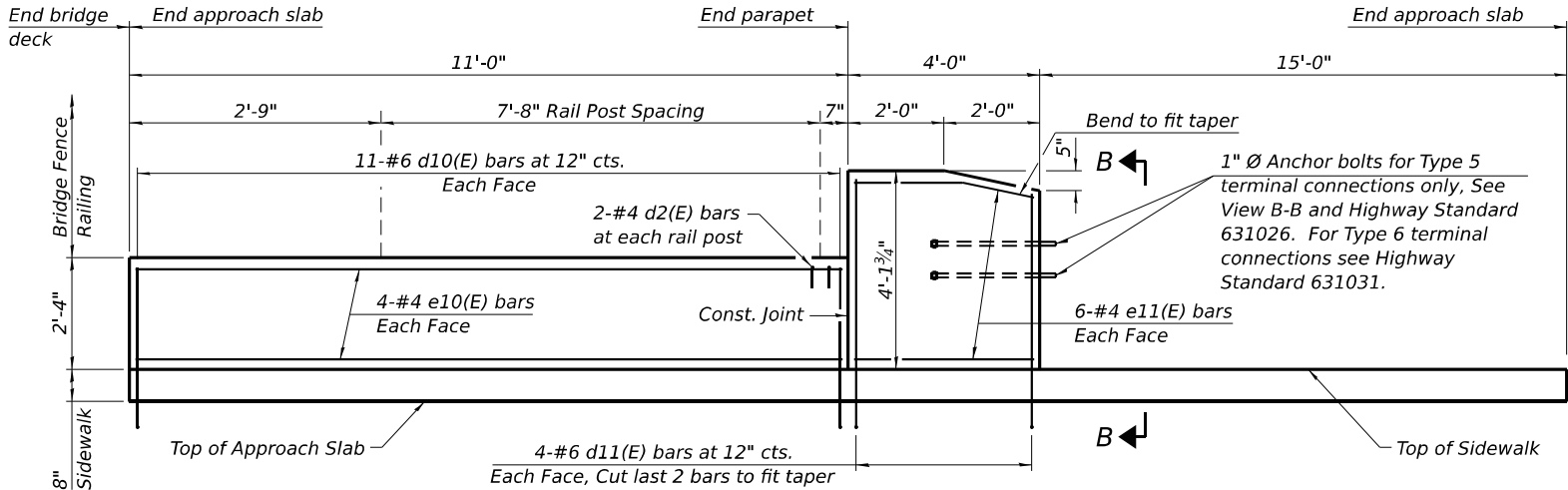
**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 072-0257**

SHEET 13 OF 26 SHEETS

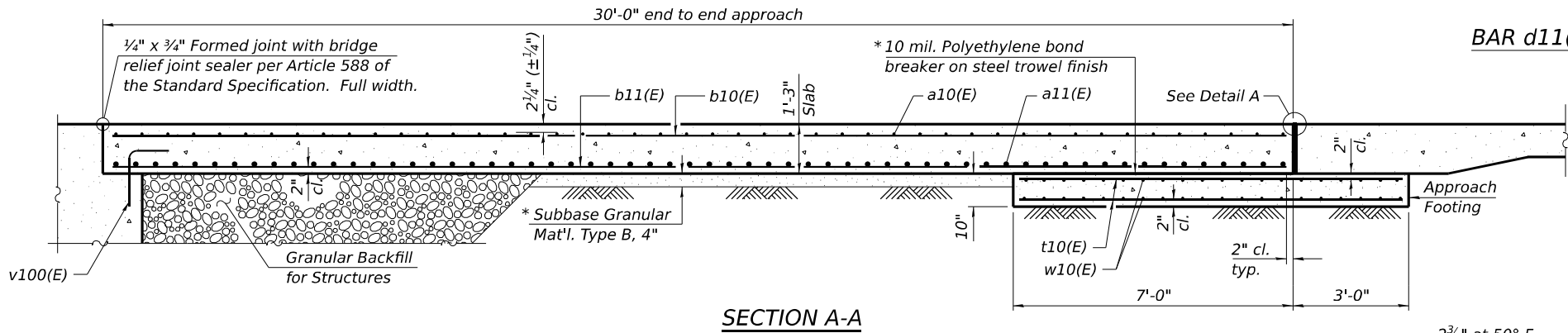
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	56
CONTRACT NO. 68E86				

ILLINOIS FED. AID PROJECT

USER NAME = LIN03-PC	DESIGNED - CZ	REVISED -
PLOT SCALE =	CHECKED - MTH	REVISED -
PLOT DATE = 6/20/2026	DRAWN - TR	REVISED -
	CHECK DATE - 01/2026	REVISED -

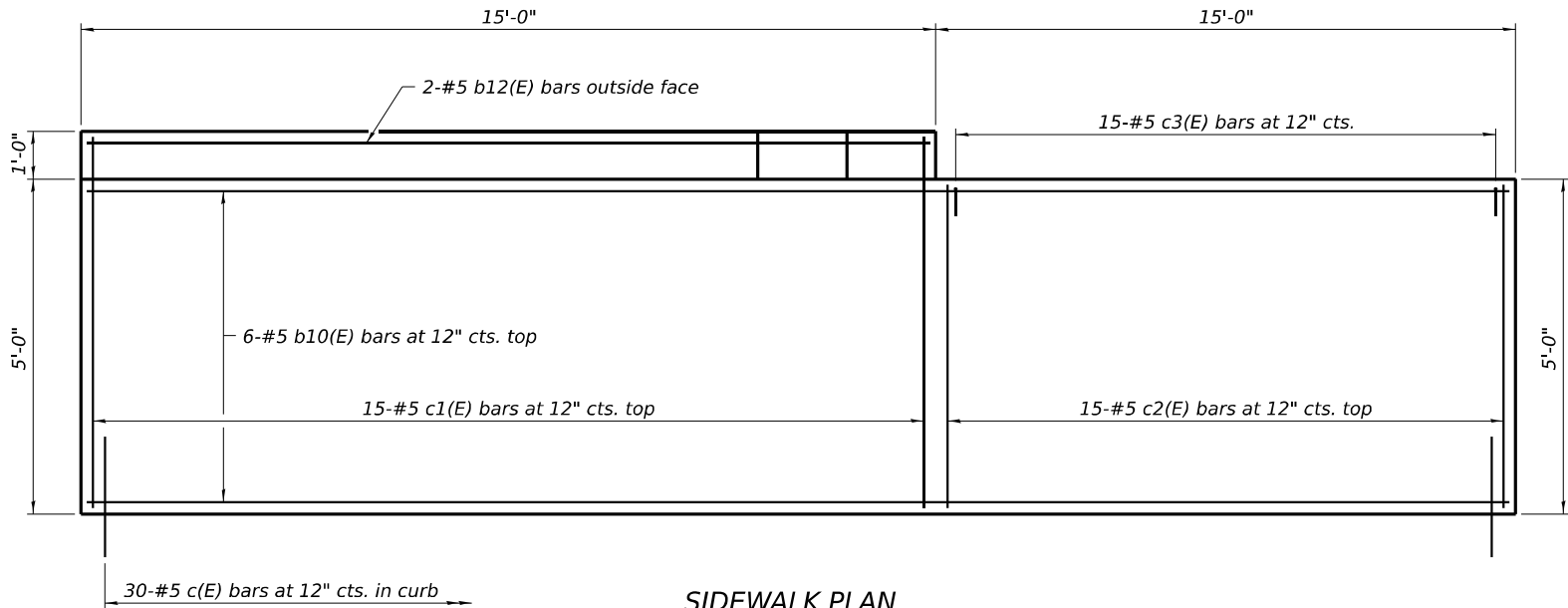


INSIDE ELEVATION OF PARAPET AND CURB

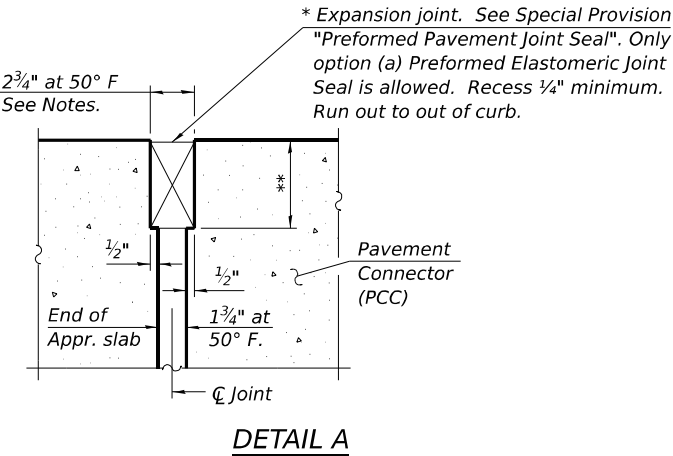
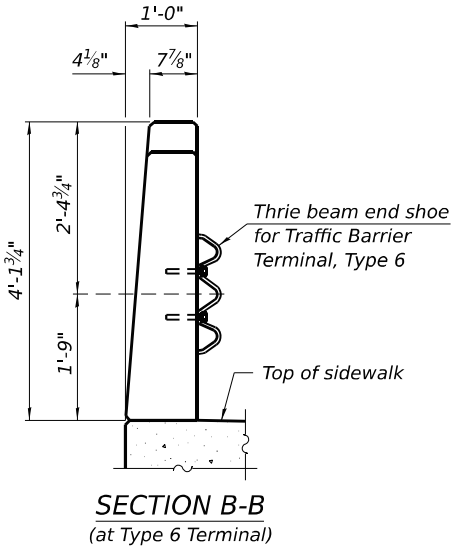
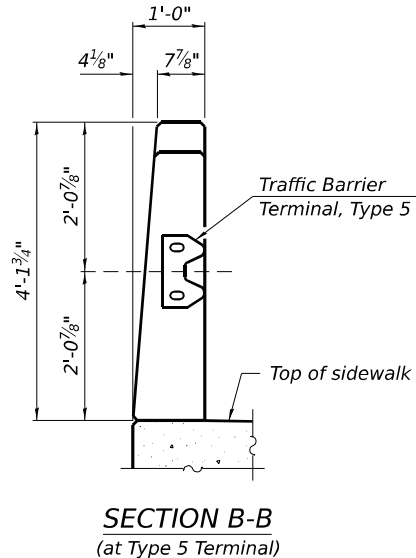
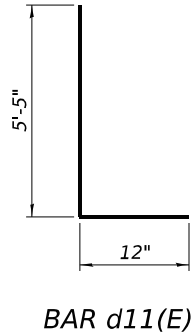
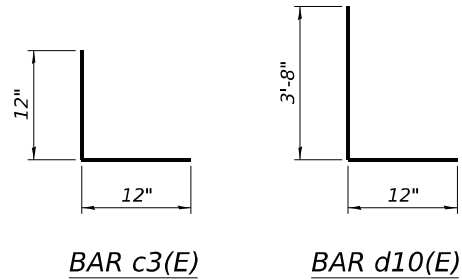


SECTION A-A

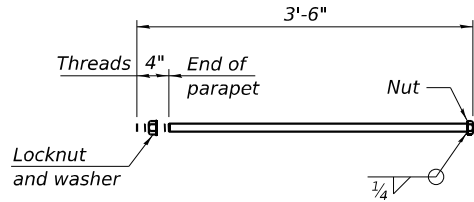
* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations



SIDEWALK PLAN
(Showing Sidewalk Reinforcement)



DETAIL A



* 1" Ø ANCHOR BOLT
(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

Notes:
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
Parapet and sidewalk concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 26.
See sheet 11 of 26 for additional bar bend details.

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	41'-8"	—
a11(E)	120	#8	41'-8"	—
b10(E)	144	#5	29'-8"	—
b11(E)	192	#9	29'-8"	—
b12(E)	24	#5	14'-8"	—
c(E)	120	#5	2'-4"	⌋
c1(E)	60	#5	5'-7"	—
c2(E)	60	#5	4'-7"	—
c3(E)	60	#5	2'-0"	└
d2(E)	16	#4	2'-2"	┐
d10(E)	88	#6	4'-8"	└
d11(E)	32	#6	6'-5"	└
e10(E)	32	#4	10'-8"	—
e11(E)	48	#4	3'-8"	—
t10(E)	160	#4	9'-8"	—
w10(E)	80	#5	39'-8"	—
Concrete Superstructure			Cu. Yd.	21.6
Concrete Superstructure (Approach Slab)			Cu. Yd.	116.6
Concrete Structures			Cu. Yd.	24.7
Reinforcement Bars, Epoxy Coated			Pound	48,240

(Sheet 2 of 2)

MODEL: Br Sheet Consultant
FILE NAME: \\192.168.0.53\linjobs\2603-3\struct\SN 072-0257\Final Design\CADD (ORD)\CADD_Sheets\0720257-468E86-AppSlabDlB2.dgn

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	PLOT DATE = 6/20/2026	DRAWN - TR	REVISED -
		CHECK DATE = 01/2026	REVISED -

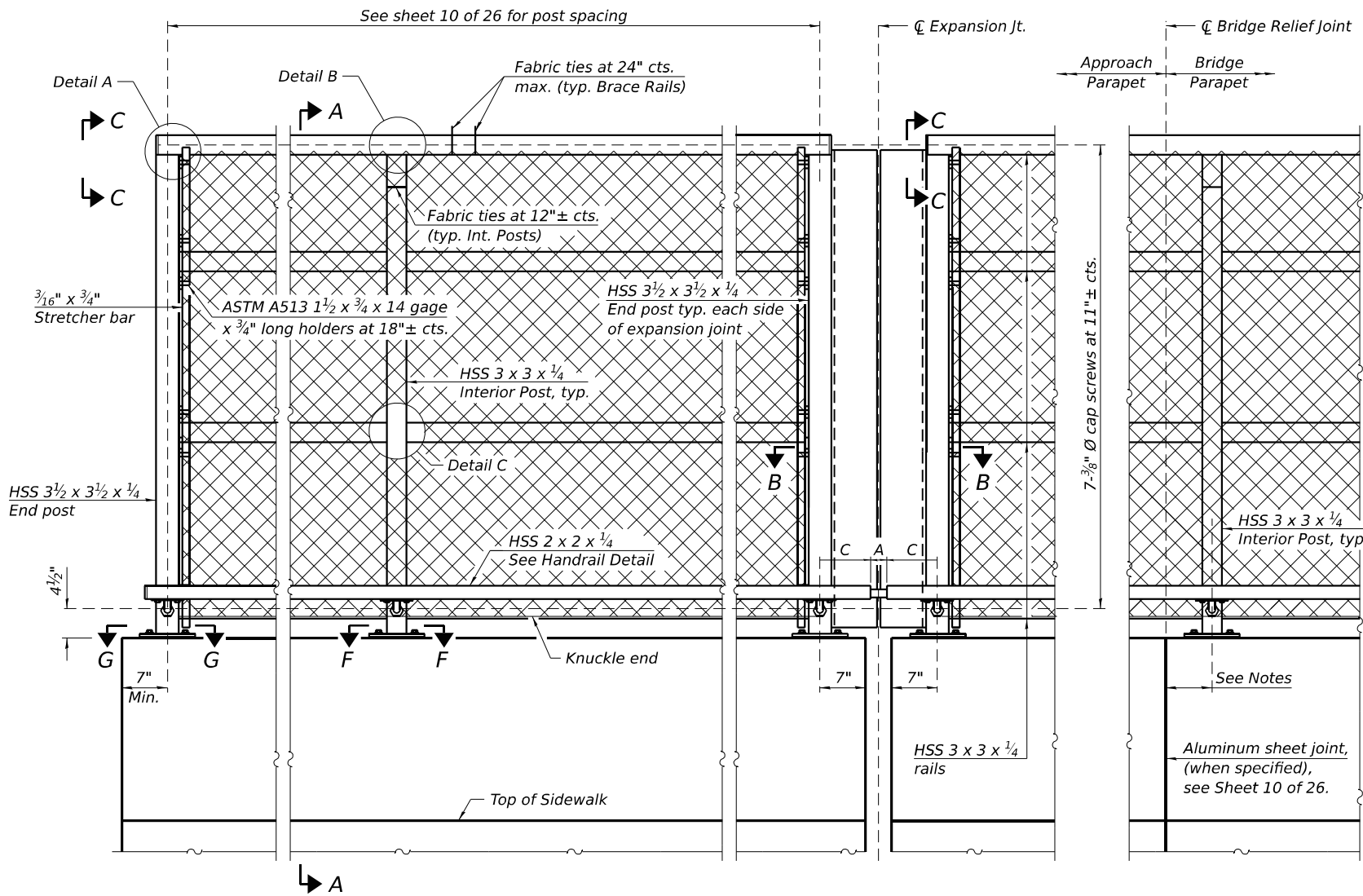
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 072-0257

SHEET 14 OF 26 SHEETS

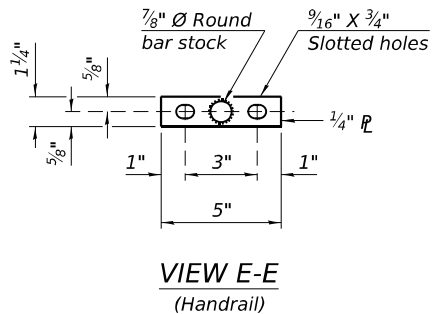
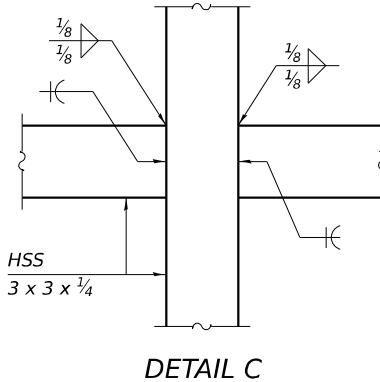
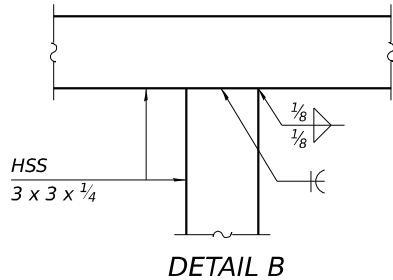
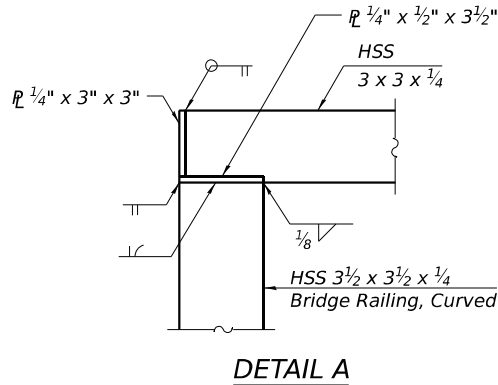
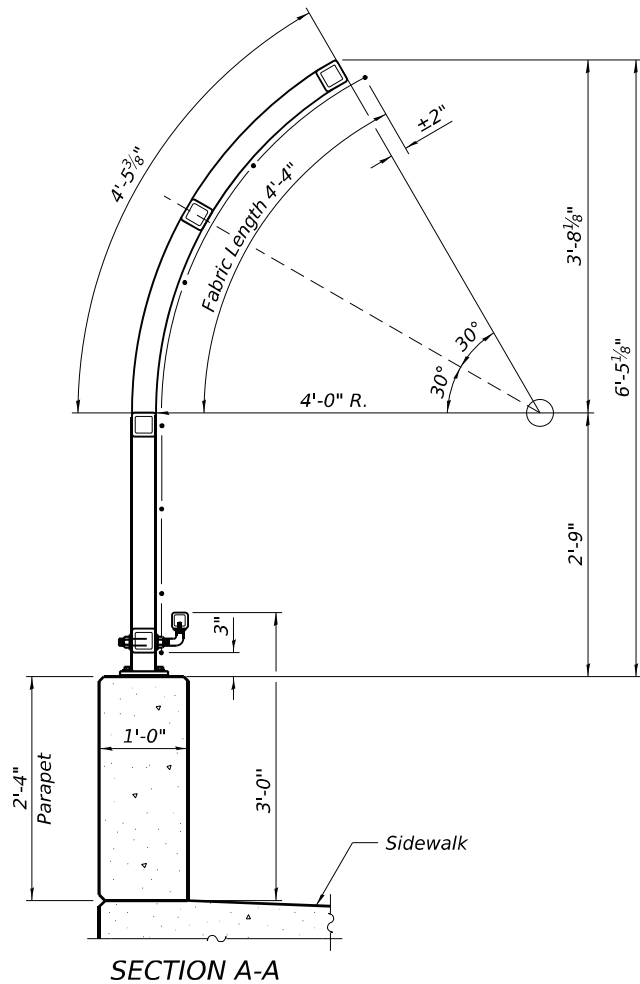
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	57
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: Br Sheet Consultant
FILE NAME: E:\2603-3\struct\SN 072-0257\Final Design\CADD (ORD)\CADD Sheets\0720257-D488E86-FenceRailing1.dgn



ELEVATION BRIDGE FENCE RAILING, CURVED
(Inside face)

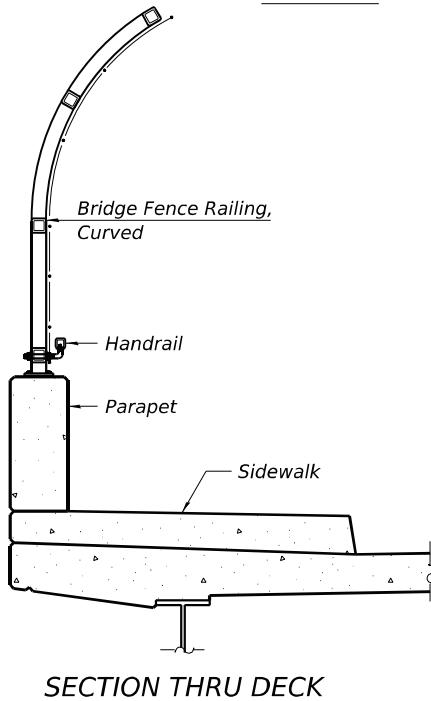
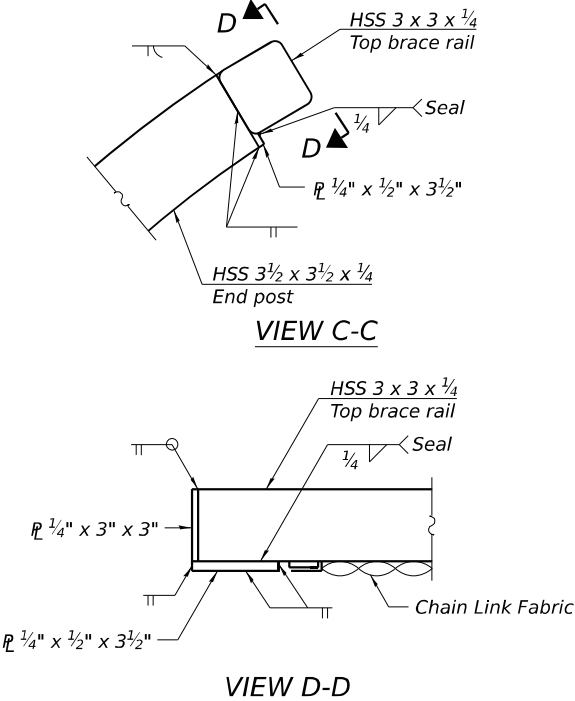
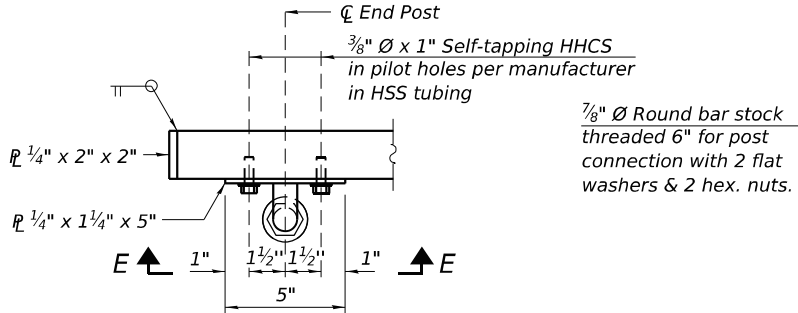
(e.g. at Bridge Relief Joints)



RAILING CRITERIA

NCHRP 350 Test Level	4
Railing Weight (plf)	70
Max Post Spacing	10'-0"

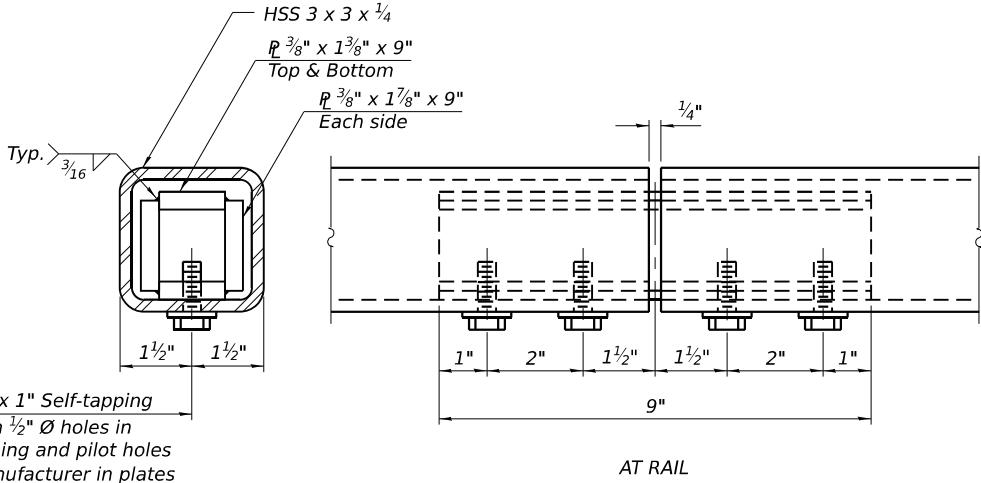
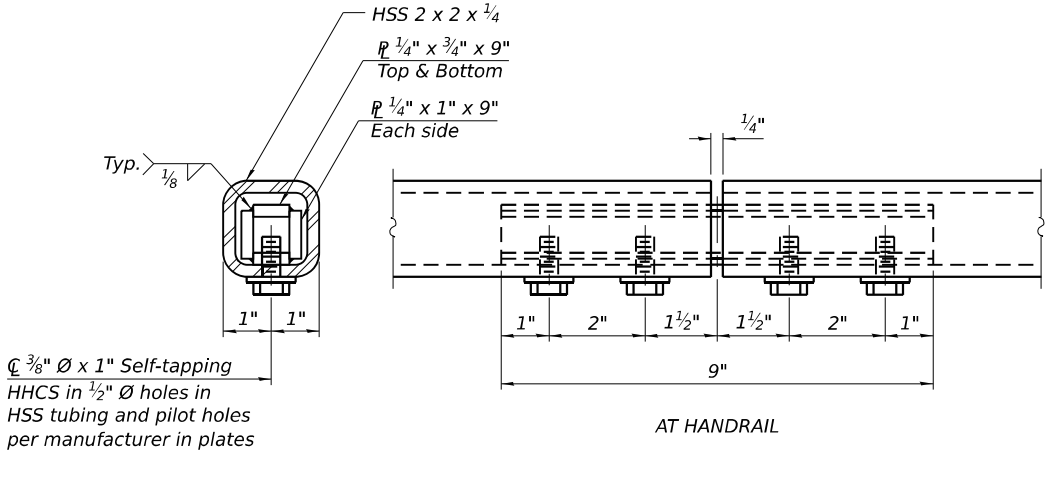
R-32 4-4-2025



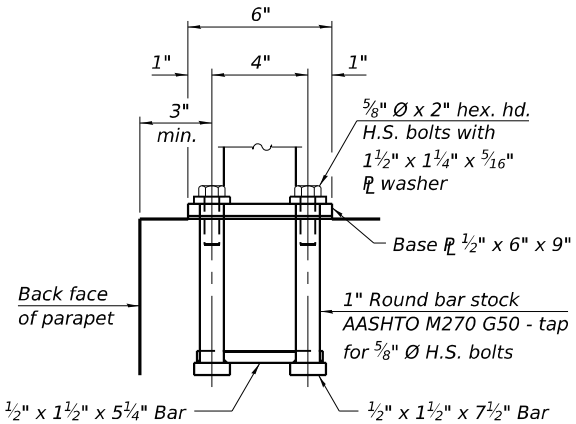
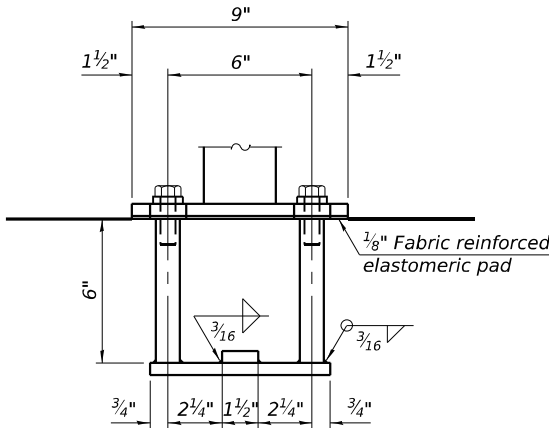
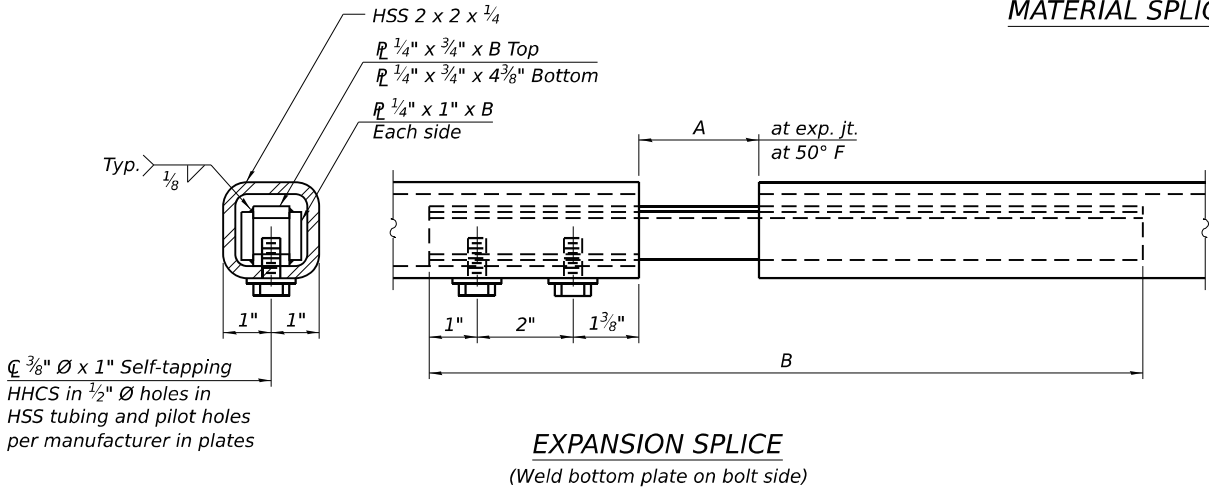
(Sheet 1 of 2)

LINE ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME = Mike Haley	DESIGNED - CZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE FENCE RAILING CURVED STRUCTURE NO. 072-0257	SHEET 15 OF 26 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - MTH	REVISED -				474	(72-3HB-3)BR	PEORIA	108	58
	PLOT DATE = 6/23/2026	DRAWN - TR	REVISED -				CONTRACT NO. 68E86				
		CHECK DATE = 01/2026	REVISED -				ILLINOIS FED. AID PROJECT				

MODEL: Br Sheet Consultant
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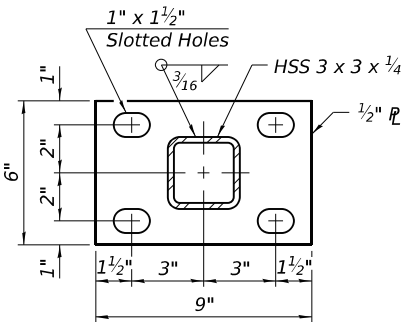


MATERIAL SPLICE

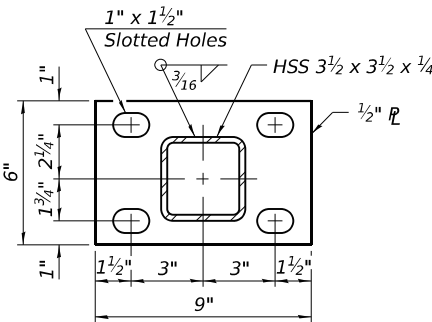


ANCHORAGE ASSEMBLY

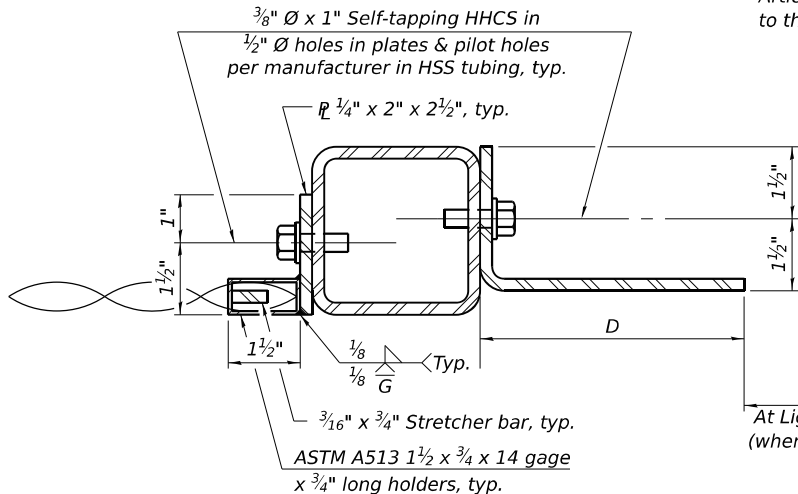
The Bridge Fence Railing, Curved fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8 inch diameter fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



SECTION F-F



SECTION G-G



SECTION B-B

Location	T	A	B	C	D
Over Strip Seal Jt.	≤4"	2 1/2"	1'-5 7/8"	6 1/4"	3 3/4"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	1'-11 1/8"	9 3/4"	6"
Over Finger or Modular Jt.	≤15"	8 1/4"	2'-5 1/8"	13 7/8"	8 3/4"
At Light Poles	8"	NA	NA	11 3/4"	10"
At Bridge Relief Joints	NA - Material Splices Per Fabricator				

T= ; total movement based on total temperature range from -20°F to 120°F along centerline of roadway at expansion joint.
OR
8" hand-hole access for maintenance of light poles (when present; replace splice with 8" gap)

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing, Curved	Foot	527



USER NAME	= LIN03-PC
DESIGNED	- CZ
CHECKED	- MTH
PLOT SCALE	=
DRAWN	- TR
PLOT DATE	= 6/4/2026
CHECK DATE	= 01/2026
REVISED	-

DESIGNED	- CZ
CHECKED	- MTH
DRAWN	- TR
CHECK DATE	= 01/2026
REVISED	-

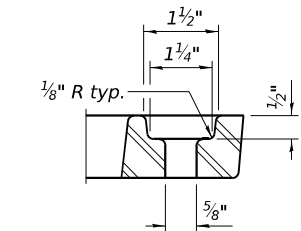
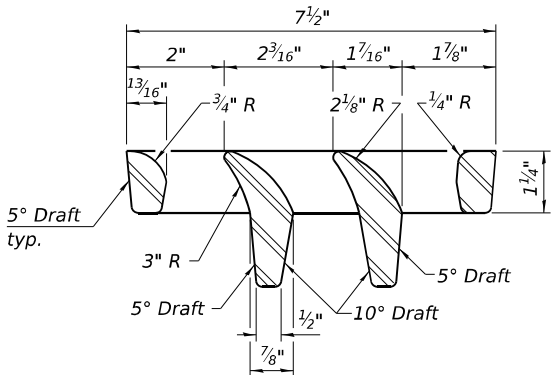
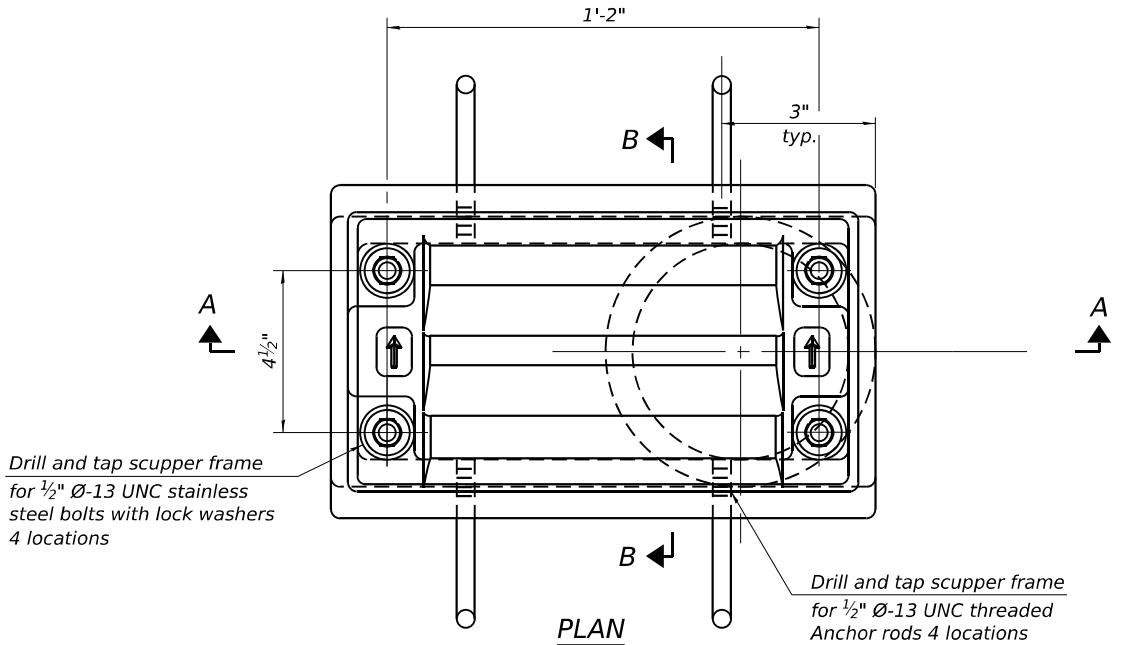
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE FENCE RAILING CURVED
STRUCTURE NO. 072-0257

(Sheet 2 of 2)

SHEET 16 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	59
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 35B and AASHTO M306. Bolts, anchor rods, nuts and washers shall be according to ASTM A307 and shall be galvanized according to AASHTO M232. As an alternate stainless steel may be used.

Stainless steel hardware shall be according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frames and downspouts; however, the scupper grates shall remain cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.

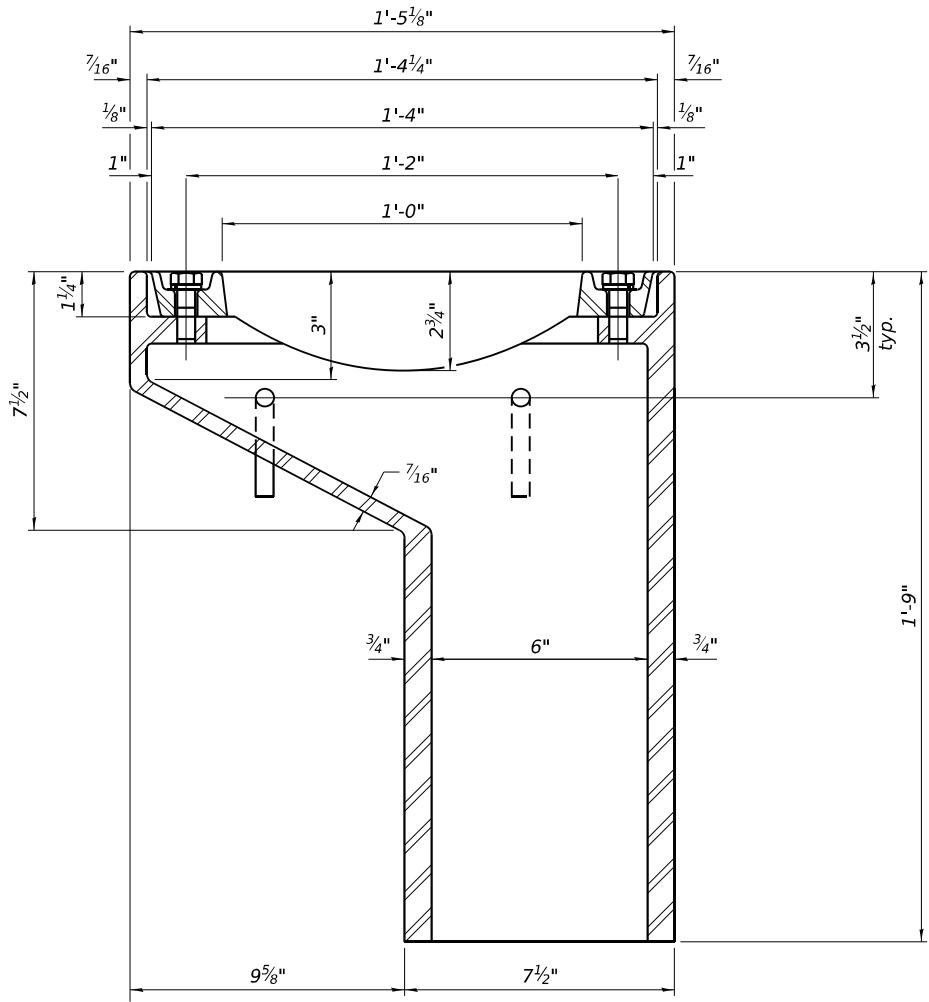
Structural steel scupper frames and downspouts, when utilized, shall be galvanized according to AASHTO M111.

As an alternate, fiberglass may be used for downspouts according to ASTM D2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. in lieu of the cast iron or structural steel. If this alternate is chosen, the downspout shall be braced to the girder web with brackets.

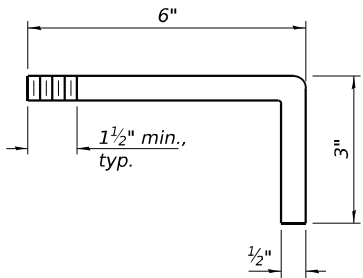
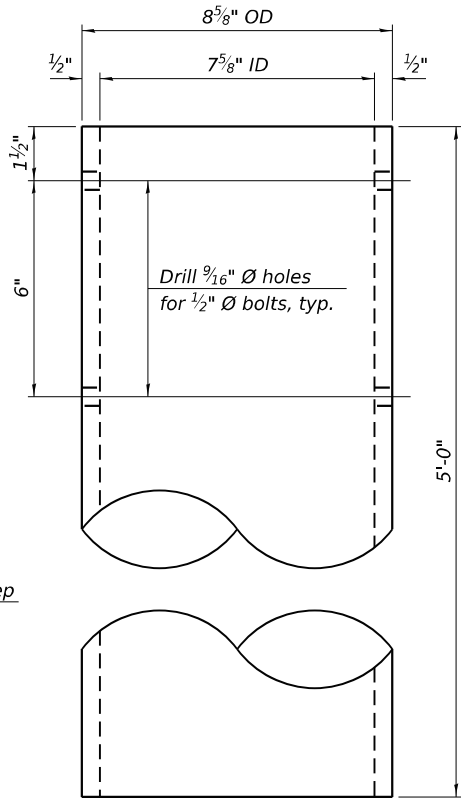
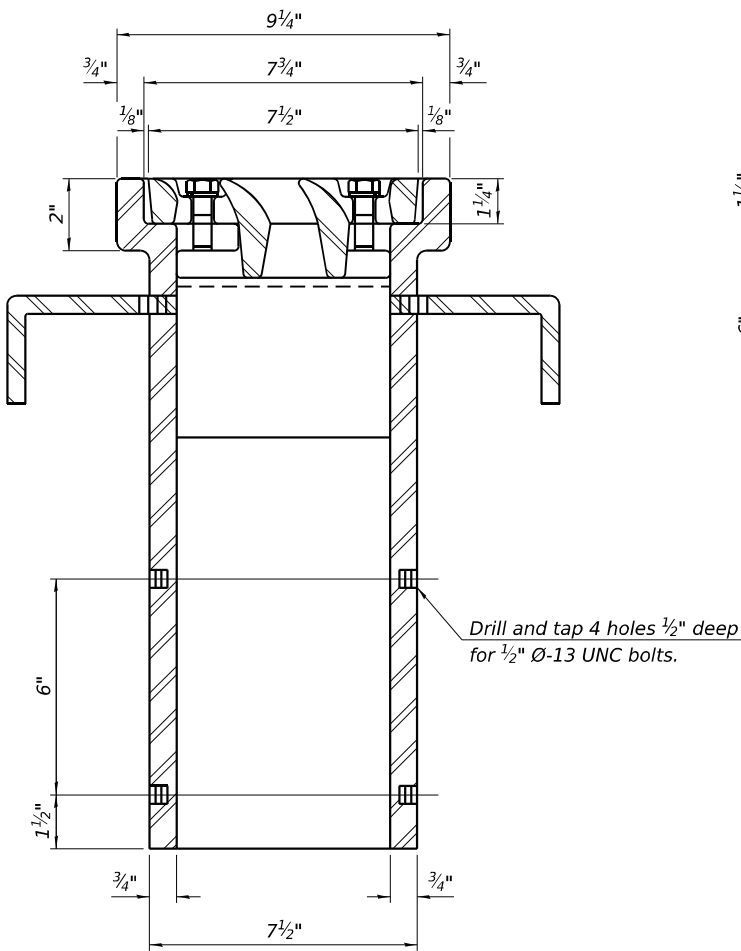
Exterior surfaces of downspouts and exterior exposed surfaces of the scupper frame below deck shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces shall be cleaned according to the Society of Protective Coating's Spec. SS PC-SP1 prior to painting.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the grate, frame, downspout, anchor rods, nuts and washers including complete installation of the scupper shall be paid for at the contract unit price for Drainage Scuppers, DS-11.



See sheet 11 of 26 for scupper location relative to parapet.



BILL OF MATERIAL

Item	Unit	Quantity
Drainage Scuppers, DS-11	Each	4

DS-11

4-4-2025

LE LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = LIN03-PC	DESIGNED - CZ	REVISED -
	CHECKED - MTH	REVISED -
PLOT SCALE =	DRAWN - TR	REVISED -
PLOT DATE = 6/4/2026	CHECK DATE - 01/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCUPPERS DS-11
STRUCTURE NO. 072-0257

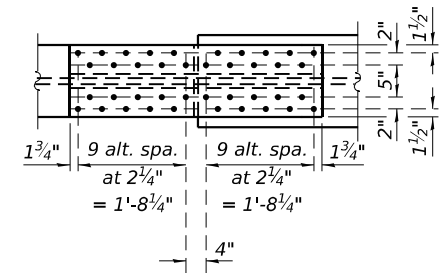
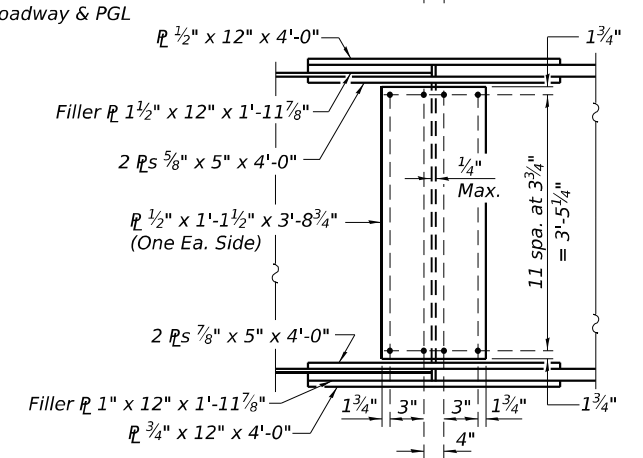
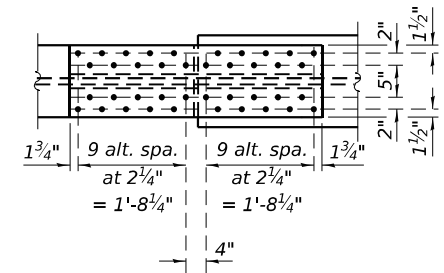
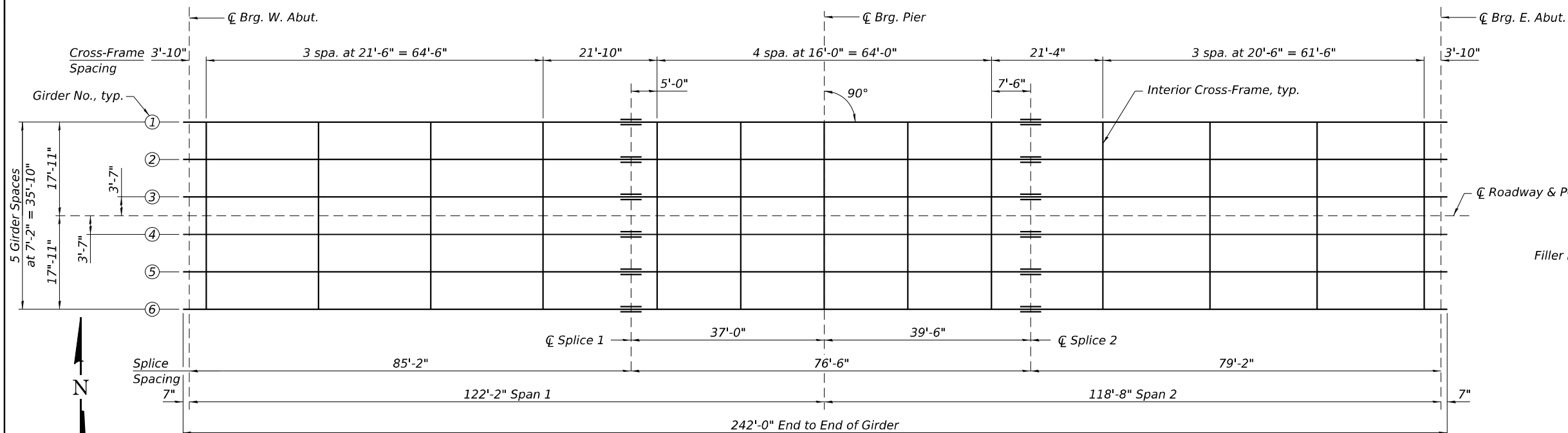
SHEET 17 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	60
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: Br Sheet Consultant
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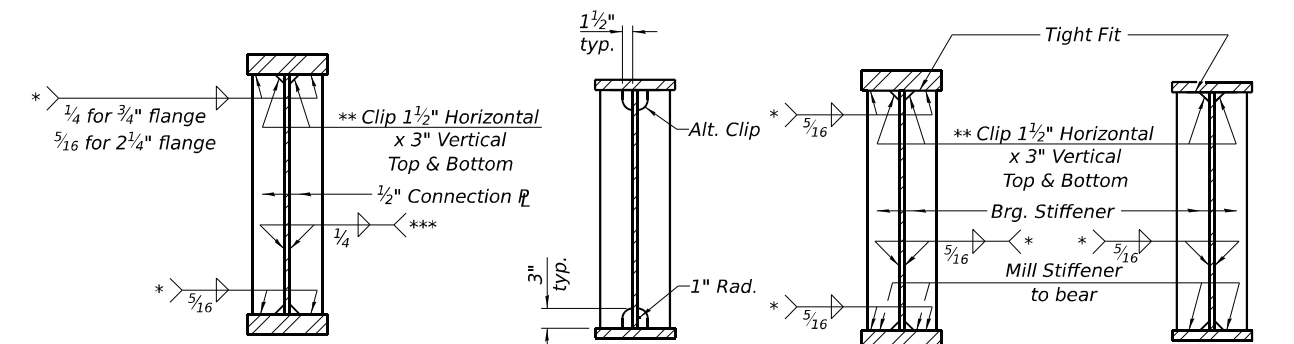
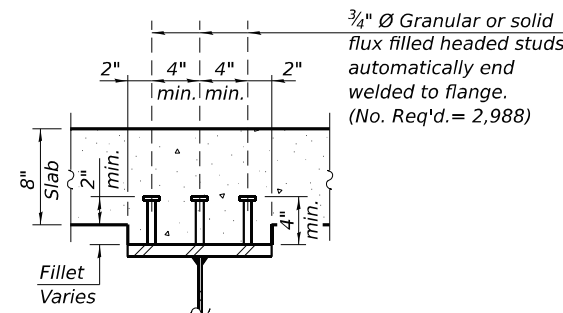
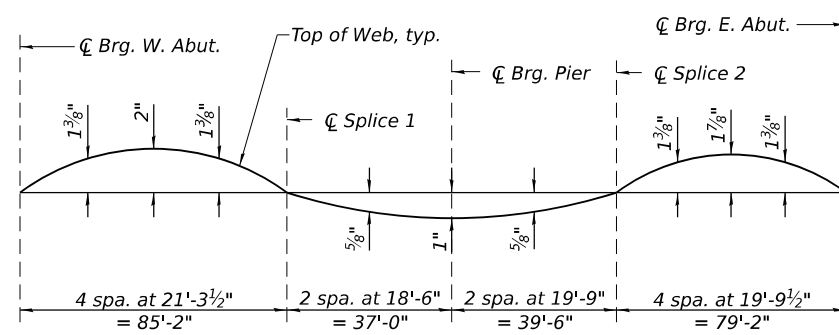
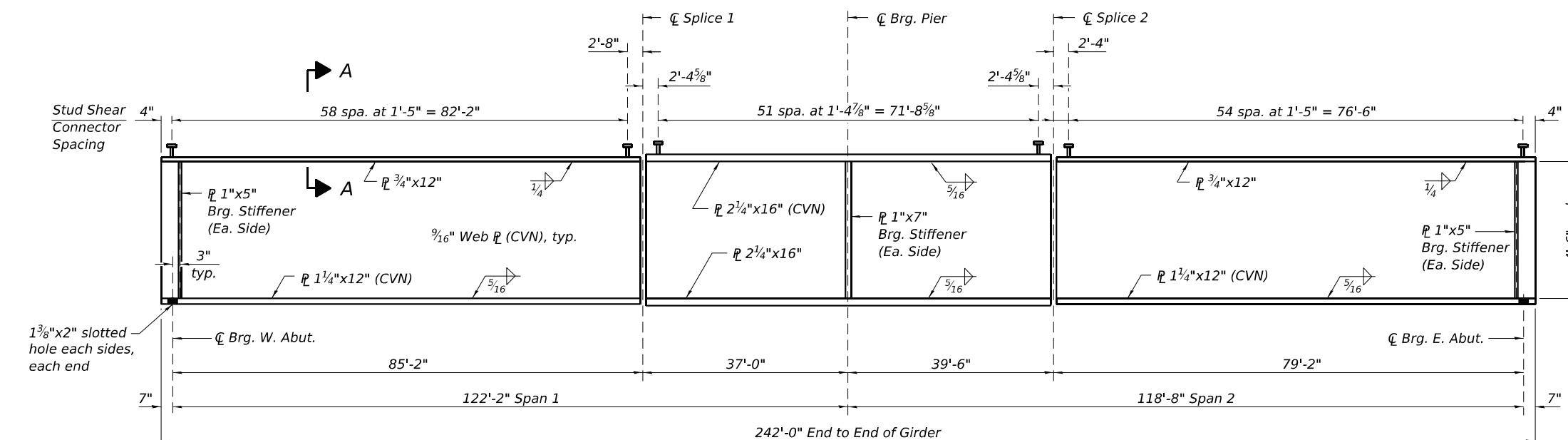
6/23/2026

10:48:24 AM



Note:
All flange and web splice plates, except filler plates, shall be AASHTO M270 Grade 50 (CVN).

- * Terminate $\frac{1}{4}"$ ($\pm \frac{1}{8}"$) from the end of plate intersects.
- ** Clip may be rounded for ease of shop painting.
- *** Stop welds $\frac{1}{4}"$ ($\pm \frac{1}{8}"$) from edges.



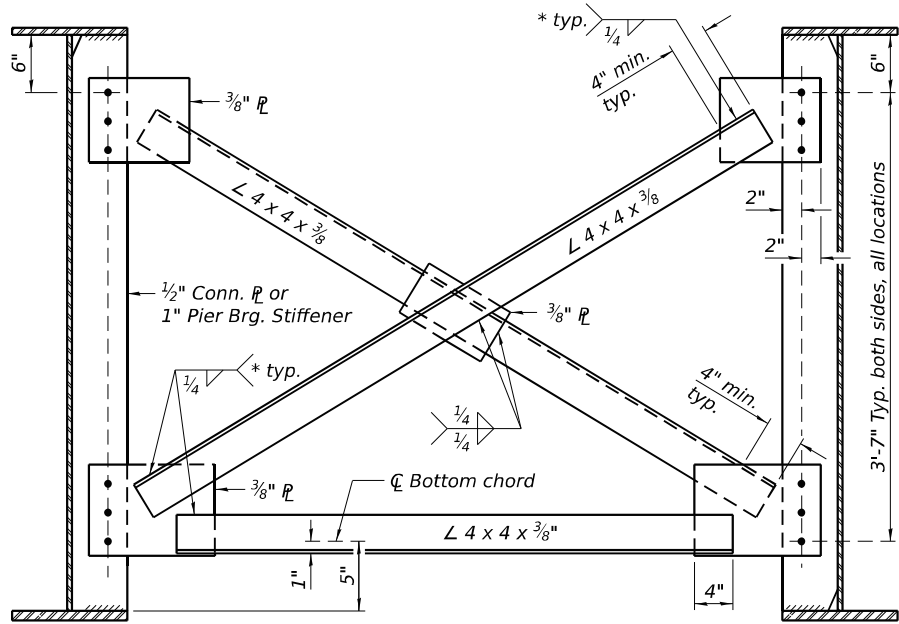
SECTION AT
CONNECTION P

ALT. CLIP DETAIL

SECTION
AT PIER

SECTION
AT ABUTMENT

MODEL: Br. Sheet, Consultant
FILE NAME: \\192.168.0.53\injobs\2503-3\struct\SN 072-0257-Final Design\CADD (ORD)\CADD_Sheets\0720257-468E86-SteelDetails.dgn



* Fillet weld angles along 3 sides on one face of gusset plate

INTERIOR CROSS-FRAME

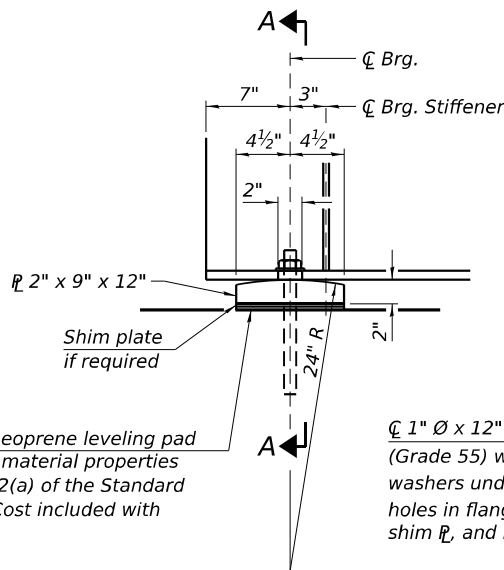
(65 required)

Notes:

All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.

Detail $1\frac{5}{16}$ " $\varnothing$ holes for all $\frac{3}{4}$ " $\varnothing$ bolts.

Two hardened washers required for each set of oversized holes.



$\frac{1}{8}$ " Elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

$\varnothing$ 1" $\varnothing$ x 12" All-thread anchor bolts (Grade 55) with $2\frac{1}{4}$ " x $2\frac{1}{4}$ " x $\frac{5}{16}$ " R washers under nuts. $1\frac{3}{8}$ " x 2" slotted holes in flange. $1\frac{1}{2}$ " $\varnothing$ Holes in bearing R, shim R, and leveling pad.

ELEVATION AT ABUTMENT

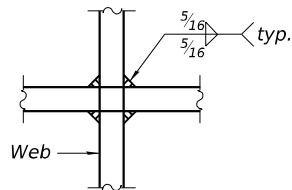
FIXED BEARING AT ABUTMENTS

Notes:

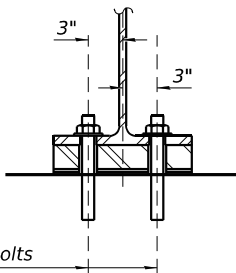
The structural steel plates shall conform to the requirements of AASHTO M270 Grade 50.

Two $\frac{1}{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.



WEB WELD DETAIL



SECTION A-A

INTERIOR GIRDER MOMENT TABLE				
		0.4 Sp. 1	Pier	0.6 Sp. 2
I_s	(in ⁴)	25,056	64,365	25,056
$I_c(n)$	(in ⁴)	67,469	119,223	67,469
$I_c(3n)$	(in ⁴)	49,448	91,183	49,448
$I_c(cr)$	(in ⁴)	-	66,839	-
S_s	(in ³)	996	2,201	996
$S_c(n)$	(in ³)	1,427	-	1,427
$S_c(3n)$	(in ³)	1,303	-	1,303
$S_c(cr)$	(in ³)	-	2,231	-
S_x	(in ³)	-	-	-
$DC1$	(k/ft)	0.914	1.082	0.914
M_{DC1}	(k)	781	2,305	694
$DC2$	(k/ft)	0.340	0.340	0.340
M_{DC2}	(k)	313	740	279
DW	(k/ft)	0.250	0.250	0.250
M_{DW}	(k)	230	544	205
$LLDF$		0.547	0.579	0.552
$M_k + IM$	(k)	1,629	2,203	1,603
f_t (Strength I)	(ksi)	0	0	0
$M_u + \frac{1}{3} f_t S_x$	(k)	4,564	8,478	4,329
$\Phi_f M_n$	(k)	7,093	-	7,163
$f_s DC1$	(ksi)	9.41	12.57	8.36
$f_s DC2$	(ksi)	2.88	3.98	2.57
$f_s DW$	(ksi)	2.12	2.93	1.89
$f_s (\ell + IM)$	(ksi)	13.70	11.85	13.48
f_t (Service II)	(ksi)	0.00	0.00	0.00
$f_s + f_t/2$ (Service II)	(ksi)	32.22	34.88	30.35
Service II Resistance	(ksi)	47.50	47.50	47.50
$f_s + f_t/3$ (Strength I)	(ksi)	42.52	45.81	40.09
$\Phi_f F_n$	(ksi)	-	50.00	-
V_r	(k)	35.38	35.87	35.75

* Composite stresses at pier calculated using Cracked section properties.

GIRDER REACTION TABLE			
	W. Abut.	Pier	E. Abut.
LLDF	0.755	0.755	0.755
OCF	1.0	1.0	1.0
R_{DC1}	38.8	160.8	36.6
R_{DC2}	14.7	53.2	13.9
R_{DW}	10.8	39.1	10.3
R_ℓ	77.0	163.8	76.5
R_{IM}	16.1	28.4	16.1
R_{Total} (Strength I) (Impact)	246.1	662.7	240.4
R_{Total} (Strength I) (No Impact)	218.0	612.9	212.3

OCF: Obtuse Correction Factor according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.

R_{DC1} : Un-factored reaction due to non-composite dead load (kip).

R_{DC2} : Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).

R_{DW} : Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).

R_ℓ : Un-factored live load reaction (kip).

R_{IM} : Un-factored dynamic load allowance (impact) (kip).

R_{Total} (Strength I) (Impact): Strength I load combination of factored design reactions (kip).

R_{Total} (Strength I) (No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).

R_{Total} (Strength I) (No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).

TOP OF WEB ELEVATIONS

(for fabrication only)

Location	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6
$\varnothing$ Brg. W. Abut.	665.56	665.70	665.81	665.81	665.70	665.56
$\varnothing$ Splice 1	665.11	665.25	665.35	665.35	665.25	665.11
$\varnothing$ Brg. Pier	664.84	664.98	665.08	665.08	664.98	664.84
$\varnothing$ Splice 2	664.56	664.69	664.80	664.80	664.69	664.56
$\varnothing$ Brg. E. Abut.	663.84	663.98	664.09	664.09	663.98	663.84

I_s , S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).

$I_c(cr)$, $S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).

S_x : Section modulus about the major axis of a section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in.³).

$DC1$: Un-factored non-composite dead load (kips/ft.).

M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).

$DC2$: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW : Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.

$M_k + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u : Strength I load combination of factored design moments (kip-ft.).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_k + IM$

f_t : Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).

$\Phi_f M_n$: Factored nominal flexural resistance of the section determined as specified in Article 6.10.7.1 or A6 as applicable (kip-ft.).

$f_s DC1$: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).

M_{DC1} / S_s
 $f_s DC2$: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).

$M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.

$f_s DW$: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).

$M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.

$f_s (\ell + IM)$: Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).

$M_k + IM / S_c(n)$ or $M_k + IM / S_c(cr)$ as applicable.

$f_s + f_t / 2$ (Service II): Sum of stresses as computed below (ksi).

$f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (\ell + IM) + f_t / 2$
Service II Resistance: Composite (0.95 $R_h F_y R_f$) or noncomposite (0.80 $R_h F_y R_f$) stress capacity according to Article 6.10.4.2 (ksi).

$f_s + f_t / 3$ (Strength I): Sum of stresses as computed below on non-compact sections (ksi).
 $1.25 (f_s DC1 + f_s DC2) + 1.5 f_s DW + 1.75 f_s (\ell + IM) + f_t / 3$

$\Phi_f F_n$: Factored nominal flexural resistance of the section as specified in Article 6.10.7.2 or 6.10.8 as applicable (ksi).

V_r : Maximum factored shear range in span computed according to Article 6.10.10.

DEFLECTION LIMITS

INTERIOR GIRDER DEFLECTION TABLE		
Δ ALLOW	(in)	1.466
$\Delta \ell + IM$	(in)	1.204

Δ ALLOW: Maximum allowable Service I Live load plus impact deflection according to AASHTO LRFD Bridge Design Specifications 9.5.2.

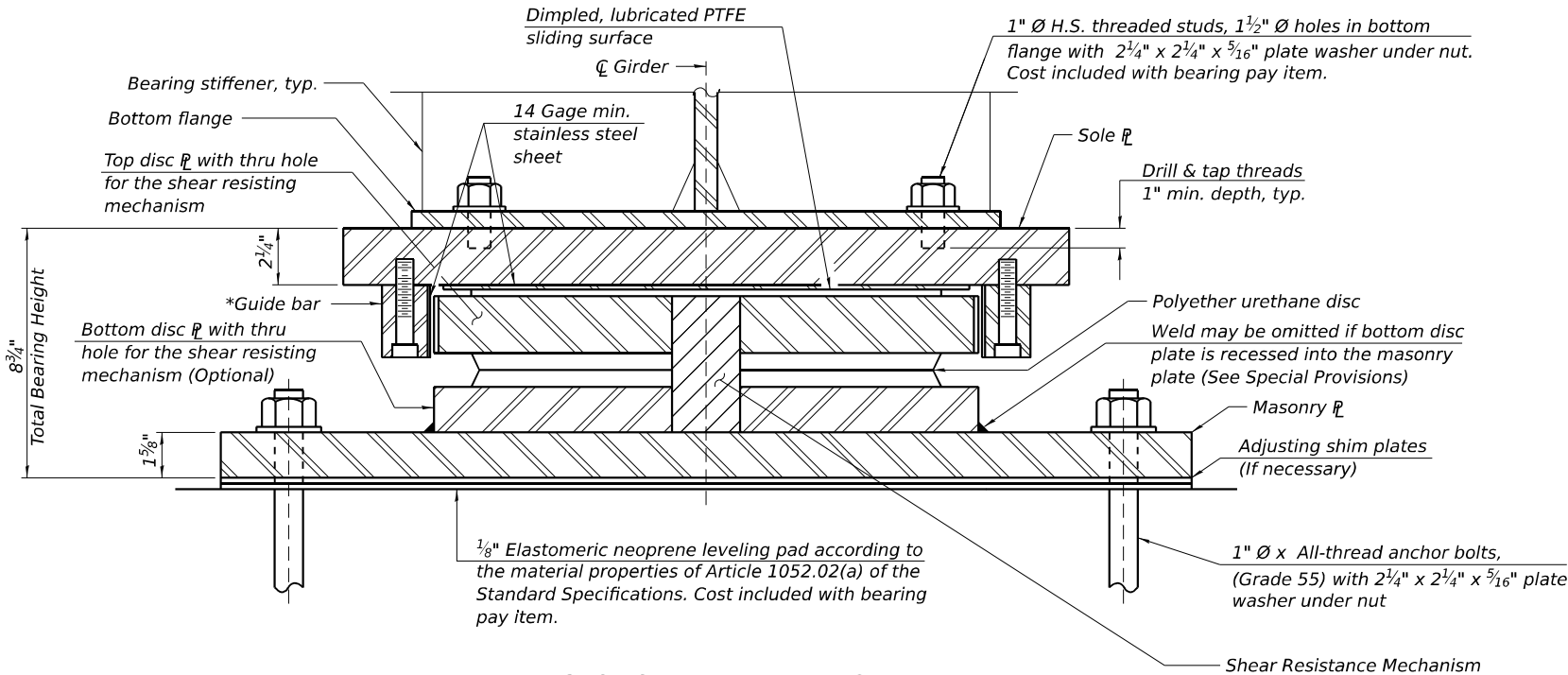
$\Delta \ell + IM$: Calculated value Service I live load plus impact deflection.

MODEL: Br Sheet Consultant
FILE NAME: E:\2025\3-Struct\SN 072-0257\Final Design\CADD_Sheets\0720257-D488E86-BearingDetails.dgn

DESIGN DATA

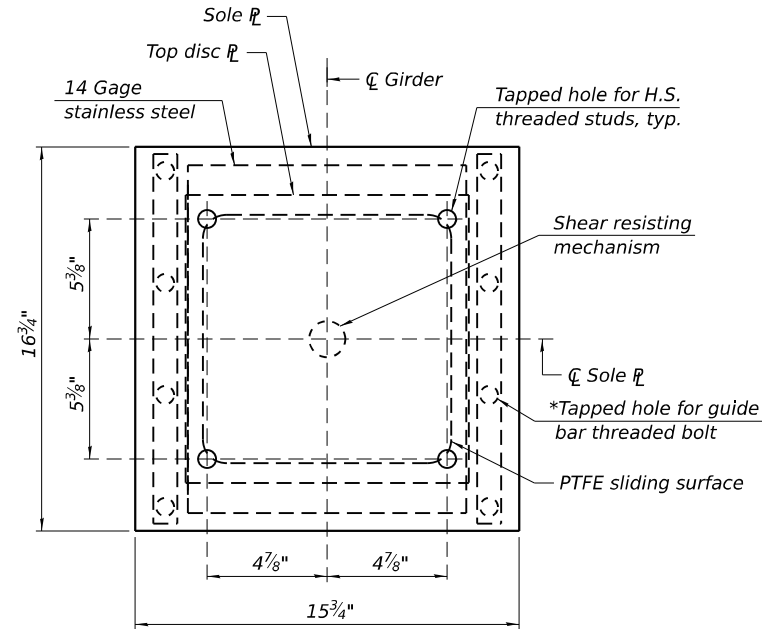
Unfactored Vertical Dead Load Reaction (R_{DC})	213 kips
Unfactored Vertical Wearing Surface Reaction (R_{DW})	39 kips
Unfactored Vertical Live Load without Impact Reaction (R_{LL})	164 kips
Maximum Strength or Extreme Event Lateral Reaction (H_u)	50 kips
Maximum Strength Limit State Rotation (θ_u according to Article 14.4.2.2)	0.0055 rad
Unfactored Design Thermal Movement from 50° F (ΔT)	0.019 in.
Service I Factored Lateral Reaction	0 kips
Service I Rotation	0.0019 rad
Strength I Factored Longitudinal Movement	0.023 in.
Service I Factored Vertical Reaction	416 kips
Strength I Factored Vertical Reaction	612 kips

Service I Load Factors = 1.0DC + 1.0DW + 1.00LL
Strength I Load Factors = 1.25DC + 1.5DW + 1.75LL + 1.2TU
Extreme Event Load Factors = 1.0EQ

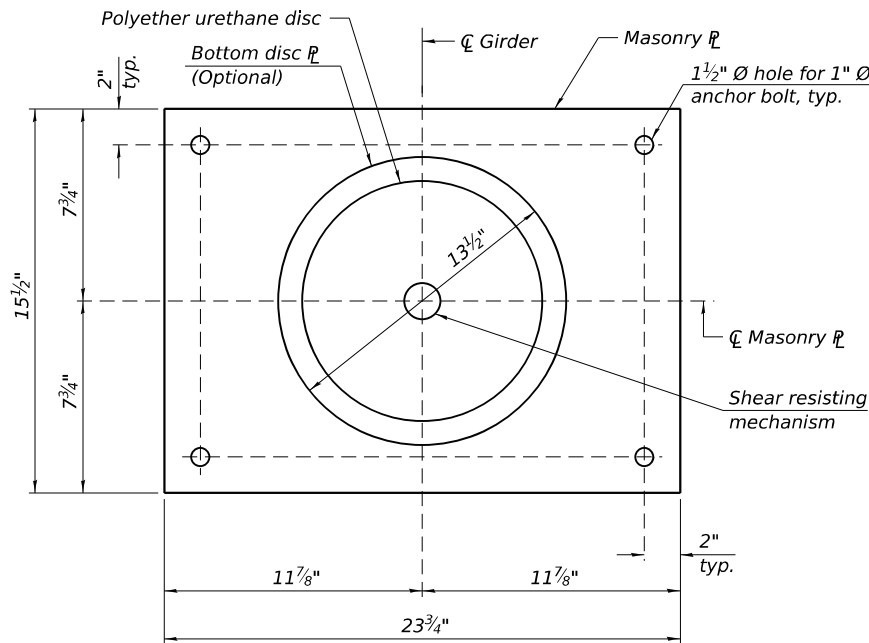


SECTION THRU BEARING

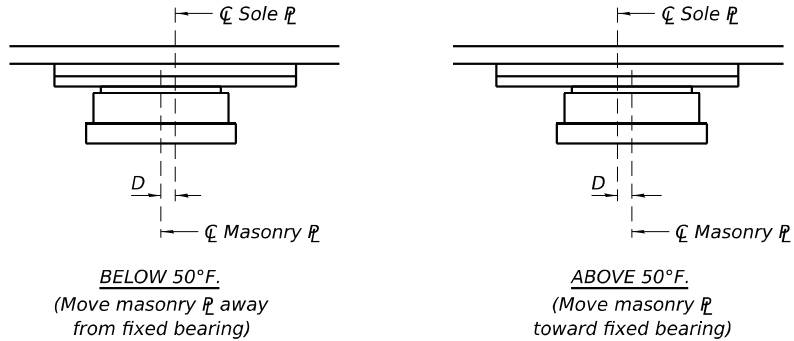
*As alternates to the bolted connection shown, the guide bars may be connected to the sole plate by groove welds or the guide bars and sole plate may be fabricated as a single piece.



SOLE PLATE AND TOP DISC PLATE PLAN



MASONRY PLATE AND
BOTTOM DISC PLATE PLAN



SETTING ANCHOR BOLTS AT EXPANSION BEARING

$D = \frac{1}{8}$ " per each 100' of expansion for every 15° temp. change from the normal temp. of 50° F.

NOTES:

- Two $\frac{1}{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details. Shim plates not included in total bearing height. Cost included with bearing pay item.
- Total bearing height is estimated based on manufacturer data. Actual bearing height may differ from contract plans. The Contractor shall be responsible for verifying bearing heights and adjusting seat elevations, if required, prior to placing pier or abutment concrete.
- The structural steel plates shall conform to the requirements of AASHTO M270 Grade 50.

BILL OF MATERIAL

Item	Unit	Total
** High Load Multi-Rotational Bearings, Disc, Guided Expansion - 500K	Each	6
Anchor Bolts, 1"	Each	24

** The value specified in the pay item name is an approximate vertical load capacity that is used for letting and bidding purposes only. Exact bearing capacity will vary subject to final design.

HLMR-D-GE

5/15/2023

LE LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Mike Haley	DESIGNED - CZ	REVISED -
	CHECKED - MTH	REVISED -
PLOT SCALE =	DRAWN - TR	REVISED -
PLOT DATE = 6/23/2026	CHECK DATE - 01/2026	REVISED -

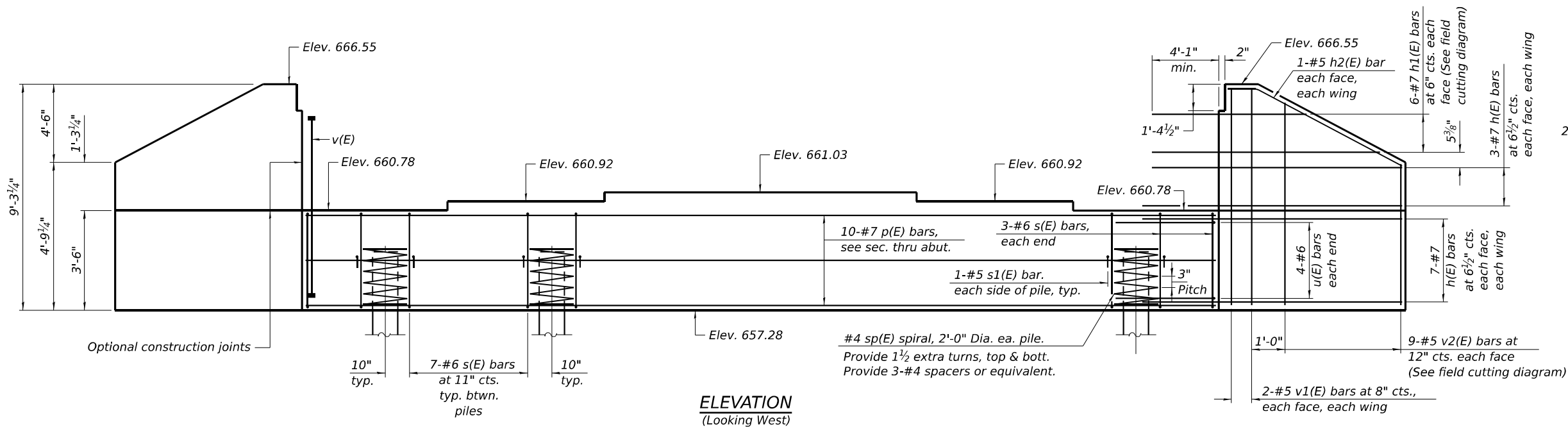
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 072-0257

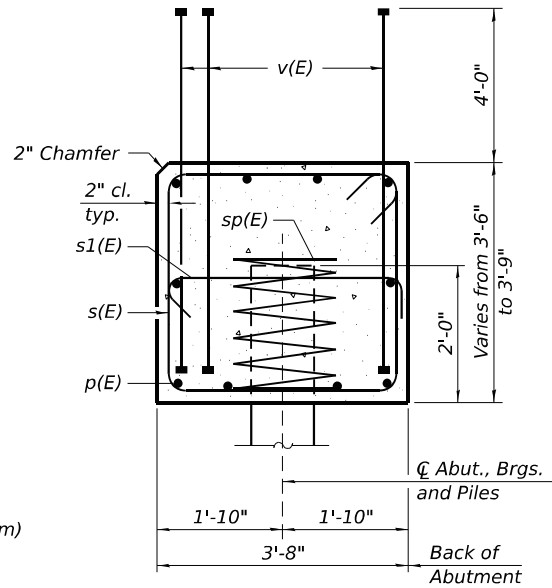
SHEET 20 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	63
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

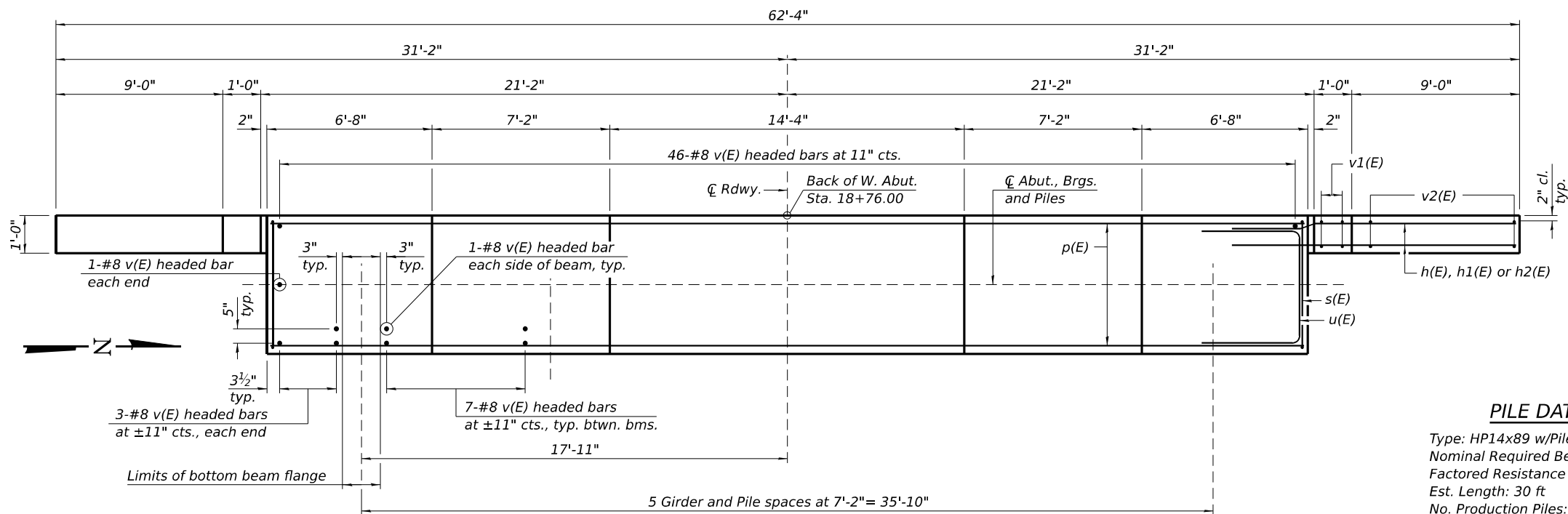
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FILE NAME: \\192.168.0.53\linjobs\2503-3\struct\SN 072-0257\Final Design\CADD (ORD)\CADD_Sheets\0720257-5468E86-WestAbut.dgn



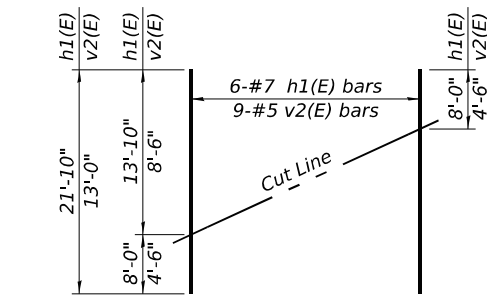
ELEVATION
(Looking West)



SEC. THRU ABUT.

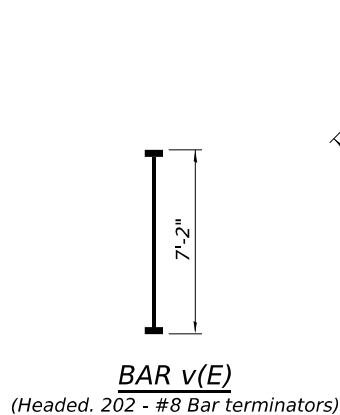


PLAN



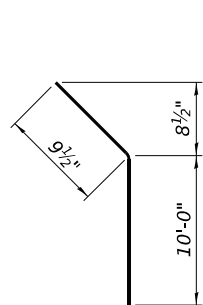
FIELD CUTTING DIAGRAM

Order h1(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite wing.

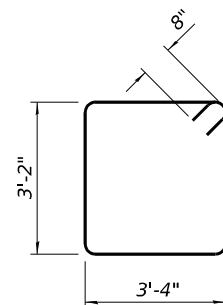


BAR v(E)

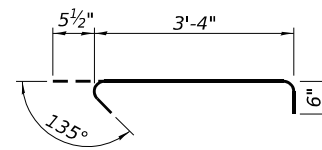
(Headed. 202 - #8 Bar terminators)



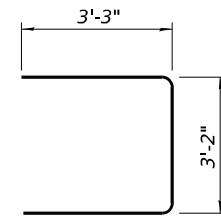
BAR h2(E)



BAR s(E)



BAR s1(E)



BAR u(E)

PILE DATA

Type: HP14x89 w/Pile shoes
Nominal Required Bearing: 705 Kips
Factored Resistance Available: 388 Kips
Est. Length: 30 ft
No. Production Piles: 5
No. Test Piles: 1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#7	14'-1"	
h1(E)	12	#7	21'-10"	
h2(E)	4	#5	10'-10"	
p(E)	10	#7	41'-8"	
s(E)	41	#6	14'-4"	
s1(E)	12	#5	4'-4"	
* sp(E)	6	#4	2'-0"	
u(E)	8	#6	9'-8"	
v(E)	101	#8	7'-2"	
v1(E)	8	#5	8'-11"	
v2(E)	18	#5	13'-0"	
Structure Excavation			Cu. Yd.	132
Concrete Structures			Cu. Yd.	26.3
Reinforcement Bars, Epoxy Coated			Pound	5,900
Furnishing - Piles,			Foot	150
Driving Piles			Foot	150
Test Pile,			Each	1
Pile Shoes			Each	6

* Length is height of spiral.

Notes:
Pour steps monolithically with cap.
For details of piles see sheet 24 of 26.
Bar terminators, paid for separately.
See Total Bill of Material.



USER NAME = LIN03-PC	DESIGNED - CZ	REVISED -
CHECKED - MTH	REVISED -	
PLOT SCALE =	DRAWN - TR	REVISED -
PLOT DATE = 6/4/2026	CHECK DATE = 01/2026	REVISED -

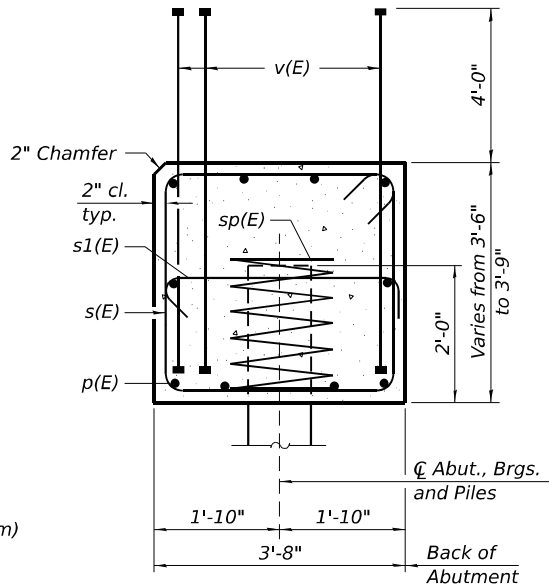
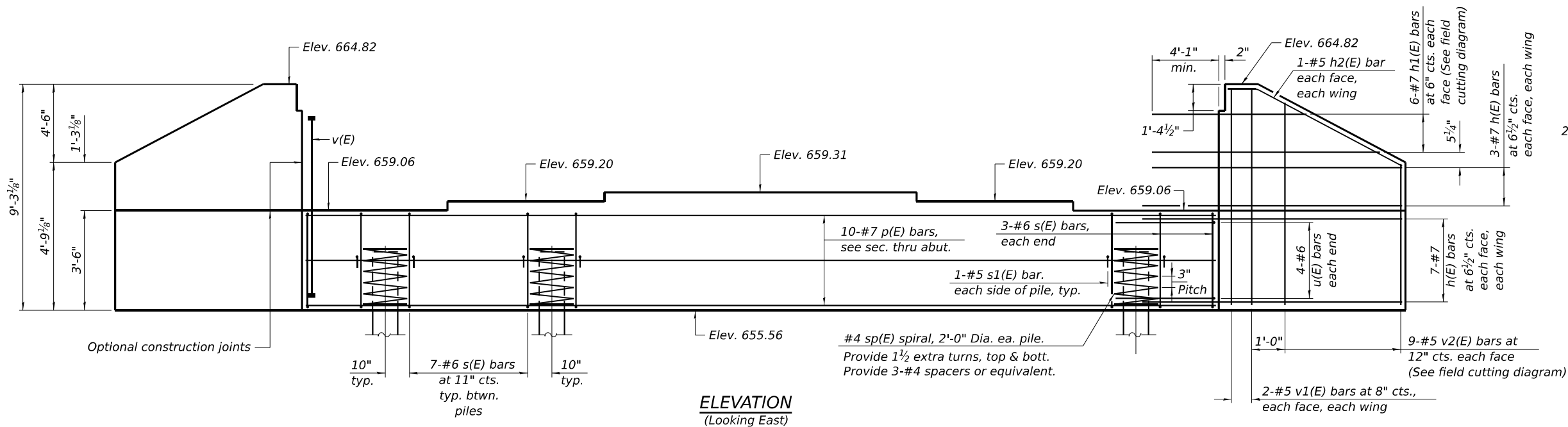
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 072-0257

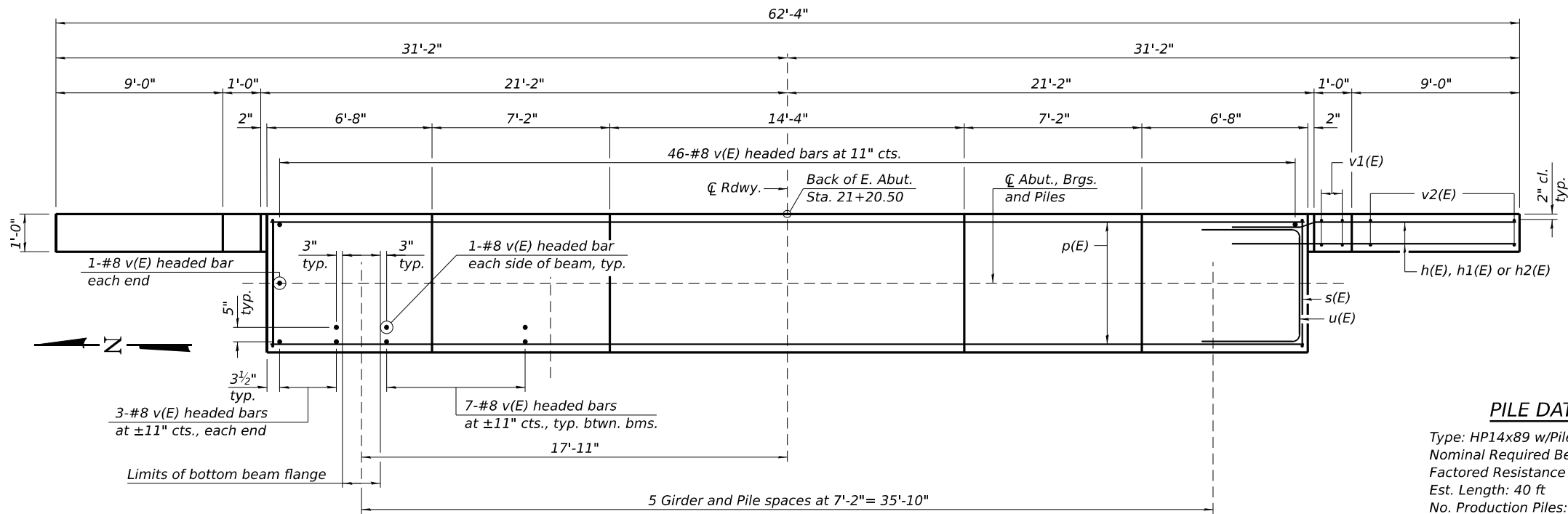
SHEET 21 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	64
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

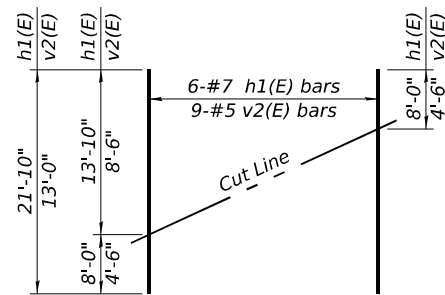
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SEC. THRU ABUT.

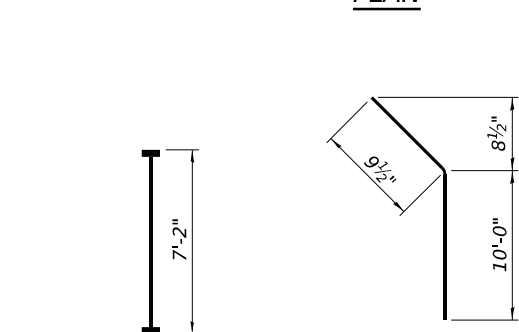


PLAN



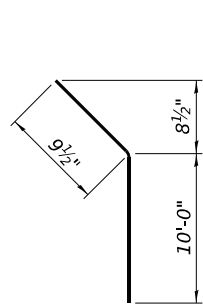
FIELD CUTTING DIAGRAM

Order h1(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite wing.

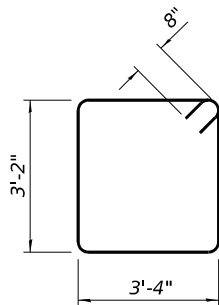


BAR v(E)

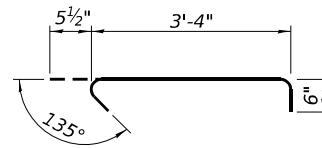
(Headed. 202 - #8 Bar terminators)



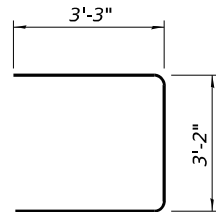
BAR h2(E)



BAR s(E)



BAR s1(E)



BAR u(E)

PILE DATA

Type: HP14x89 w/Pile shoes
Nominal Required Bearing: 705 Kips
Factored Resistance Available: 388 Kips
Est. Length: 40 ft
No. Production Piles: 6
No. Test Piles: 0

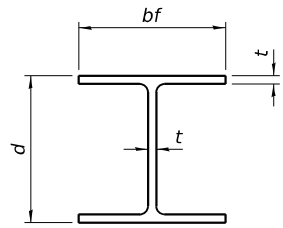
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#7	14'-1"	—
h1(E)	12	#7	21'-10"	—
h2(E)	4	#5	10'-10"	—
p(E)	10	#7	41'-8"	—
s(E)	41	#6	14'-4"	┐
s1(E)	12	#5	4'-4"	┐
* sp(E)	6	#4	2'-0"	W
u(E)	8	#6	9'-8"	┐
v(E)	101	#8	7'-2"	—
v1(E)	8	#5	8'-11"	—
v2(E)	18	#5	13'-0"	—
Structure Excavation			Cu. Yd.	131
Concrete Structures			Cu. Yd.	26.3
Reinforcement Bars, Epoxy Coated			Pound	5,900
Furnishing - Piles,			Foot	240
Driving Piles			Foot	240
Pile Shoes			Each	6

* Length is height of spiral.

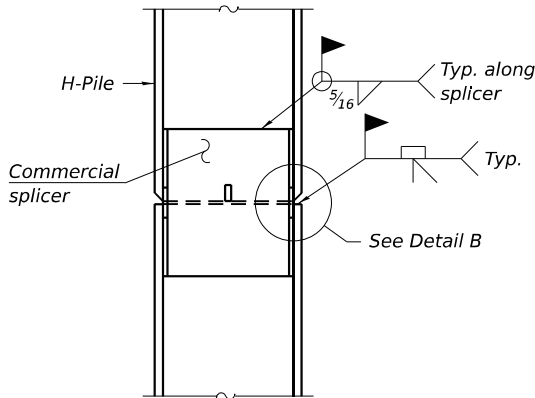
Notes:
Pour steps monolithically with cap.
For details of piles see sheet 24 of 26.
Bar terminators, paid for separately.
See Total Bill of Material.

ILLINOIS	FED. AID PROJECT
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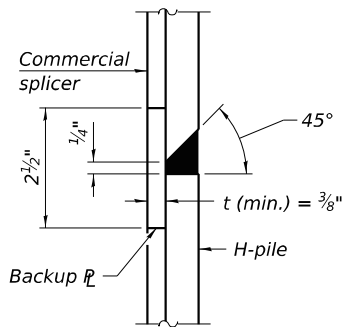


STEEL PILE TABLE

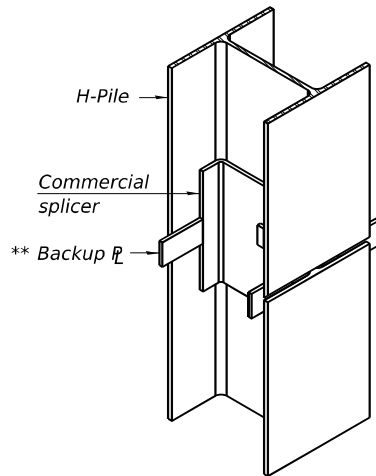
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17 ³ / ₄ "	17 ⁷ / ₈ "	⁷ / ₈ "	36"
x135	17 ¹ / ₂ "	17 ³ / ₄ "	³ / ₄ "	36"
HP 16x183	16 ¹ / ₂ "	16 ¹ / ₂ "	1 ¹ / ₈ "	36"
x162	16 ¹ / ₄ "	16 ¹ / ₈ "	1"	36"
x141	16	16	⁷ / ₈ "	36"
x121	15 ³ / ₄ "	15 ⁵ / ₈ "	³ / ₄ "	36"
HP 14x117	14 ¹ / ₄ "	14 ⁷ / ₈ "	¹³ / ₁₆ "	30"
x102	14"	14 ³ / ₄ "	¹¹ / ₁₆ "	30"
x89	13 ⁷ / ₈ "	14 ³ / ₄ "	⁵ / ₈ "	30"
x73	13 ⁵ / ₈ "	14 ⁵ / ₈ "	¹ / ₂ "	30"
HP 12x84	12 ¹ / ₄ "	12 ¹ / ₄ "	¹¹ / ₁₆ "	24"
x74	12 ¹ / ₈ "	12 ¹ / ₄ "	⁵ / ₈ "	24"
x63	12"	12 ¹ / ₈ "	¹ / ₂ "	24"
x53	11 ³ / ₄ "	12"	⁷ / ₁₆ "	24"
HP 10x57	10"	10 ¹ / ₄ "	⁹ / ₁₆ "	24"
x42	9 ³ / ₄ "	10 ¹ / ₈ "	⁷ / ₁₆ "	24"
HP 8x36	8"	8 ¹ / ₈ "	⁷ / ₁₆ "	18"



ELEVATION

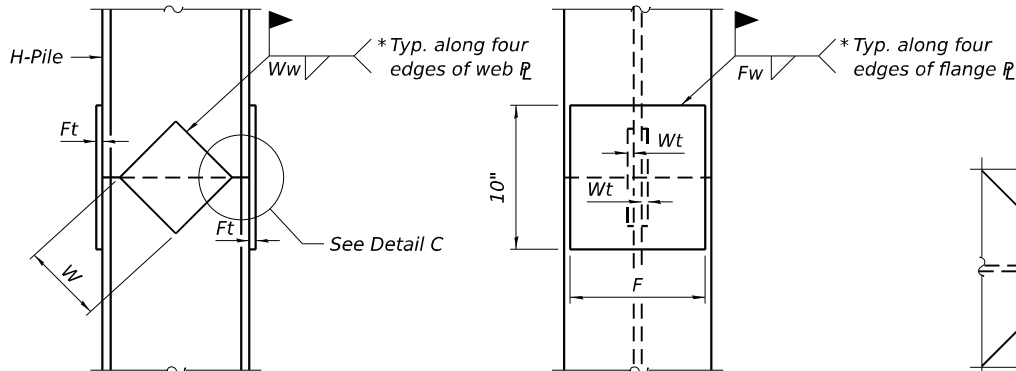


DETAIL B



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



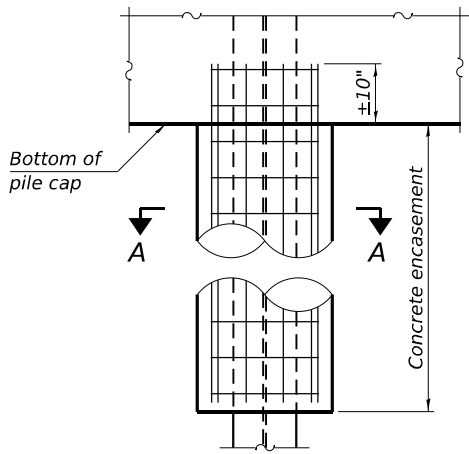
ELEVATION

END VIEW

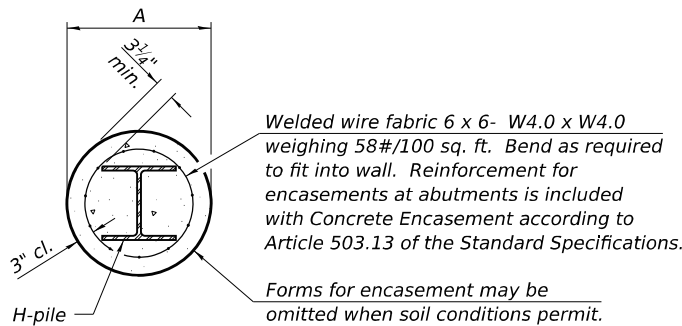
DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15 ¹ / ₂ "	1 ¹ / ₂ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
x157	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
x135	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
HP 16x183	13 ³ / ₄ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	⁷ / ₈ "	³ / ₄ "
x162	13 ¹ / ₂ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
x141	13 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
x121	13 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
HP 14x117	12 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x102	12 ¹ / ₂ "	1"	³ / ₄ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x89	12 ¹ / ₂ "	⁷ / ₈ "	¹¹ / ₁₆ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x73	12 ¹ / ₂ "	³ / ₄ "	⁹ / ₁₆ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
HP 12x84	10"	1"	¹¹ / ₁₆ "	6 ¹ / ₂ "	⁵ / ₈ "	¹ / ₂ "
x74	10"	⁷ / ₈ "	¹¹ / ₁₆ "	6 ¹ / ₂ "	⁵ / ₈ "	¹ / ₂ "
x63	10"	³ / ₄ "	¹ / ₂ "	6 ¹ / ₂ "	¹ / ₂ "	³ / ₈ "
x53	10"	³ / ₄ "	¹ / ₂ "	6 ¹ / ₂ "	¹ / ₂ "	³ / ₈ "
HP 10x57	8"	⁷ / ₈ "	⁹ / ₁₆ "	5 ¹ / ₄ "	¹ / ₂ "	³ / ₈ "
x42	8"	³ / ₄ "	⁹ / ₁₆ "	5 ¹ / ₄ "	¹ / ₂ "	³ / ₈ "
HP 8x36	6 ³ / ₄ "	⁵ / ₈ "	⁷ / ₁₆ "	4"	¹ / ₂ "	³ / ₈ "

WELDED PLATE FIELD SPLICE



ELEVATION



SECTION A-A

INDIVIDUAL PILE
CONCRETE ENCASEMENT
(when specified)

Note:
The steel H-piles shall be according to
AASHTO M270 Grade 50.

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds ¹/₄" from end of web and/or each flange.
- ** Remove portions of backup flange's that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (⁵/₁₆" min.).

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 072-0257

SHEET 24 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	67
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: Br Sheet Consultant
FILE NAME: \\192.168.0.53\linjobs\2503-3\struct\SN 072-0257\Final Design\CADD (ORD)\CADD Sheets\0720257-5468E86-HP Pile Dtls.dgn

F-HP

4-4-2025

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME	= LIN03-PC
DESIGNED	- CZ
CHECKED	- MTH
PLOT SCALE	=
DRAWN	- TR
PLOT DATE	= 6/4/2026
CHECK DATE	= 01/2026
REVISED	-

DESIGNED	- CZ
CHECKED	- MTH
DRAWN	- TR
PLOT DATE	= 6/4/2026
CHECK DATE	= 01/2026
REVISED	-

6/23/2026

10:48:30 AM



Page 1 of 2

Date 3/1/21

ROUTE	FAI 474 (I-474)	DESCRIPTION	Structure boring for west abutment	LOGGED BY	RUBINO (JL)
--------------	-----------------	--------------------	------------------------------------	------------------	-------------

SECTION (72-3HB-3)BRR **LOCATION** Closen Road over I-474, SEC. 11, TWP. 8N, RNG. 7E, 4th PM,

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)



Page 2 of 2

Date 4/30/21

ROUTE	FAI 474 (I-474)	DESCRIPTION	Structure boring for west abutment	LOGGED BY	Terracon
--------------	-----------------	--------------------	------------------------------------	------------------	----------

SECTION (72-3HB-3)BRR **LOCATION** Closen Road over I-474, SEC. 11, TWP. 8N, RNG. 7E, 4th PM,

COUNTY	Peoria	CORING METHOD		R		CORE	S
--------	--------	---------------	--	---	--	------	---

Color pictures of the cores _____ Yes _____
 Cores will be stored for examination until _____
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS, form 138 (Rev. 8-99)



Page 1 of 2

Date 3/2/21

ROUTE	FAI 474 (I-474)	DESCRIPTION	Structure boring for center pier	LOGGED BY RUBINO (JL)
--------------	-----------------	--------------------	----------------------------------	------------------------------

SECTION (72-3HB-3)BRR **LOCATION** Closen Road over I-474, SEC. 11, TWP. 8N, RNG. 7E, 4th PM,

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

(Sheet 1 of 2)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING DATA
STRUCTURE NO. 072-0257

6/23/2026 10:48:30 AM

Page 2 of 2Date 4/30/21

ROUTE FAI 474 (I-474) DESCRIPTION Structure boring for center pier LOGGED BY Terracon

SECTION	(72-3HB-3)ERR	LOCATION	Closed Road over I-474, SEC. 11, TWP. 8N, RNG. 7E, 4 th PM, Latitude 40°41'3.81"N, Longitude 89°40'31.73"W
---------	---------------	----------	--

COUNTY	Peoria	CORING METHOD		R	E	C	CORE	S	T
--------	--------	---------------	--	---	---	---	------	---	---

STRUCT. NO.	072-0123	CORING BARREL TYPE & SIZE		D E	C O	O V	. Q	T I M	R E N
Station	237+77								

BORING NO.	SB-2	Core Diameter	2	in	E	P	O	R	V	D	M	N	G
		Top of Rock Elev.	624.81	ft	T	R	E	R				T	
		Bottom Core Elev.	624.81	ft									

Station	238+03	Begin Core Elev.	624.81	ft	H	L	N	S	H
Offset	6.0 ft RT				(ft)	(ft)	(%)	(%)	(ft)
	238+04								

Color pictures of the cores Yes
 Cores will be stored for examination until _____
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS, form 138 (Rev. 8-99)

Page 1 of 2

Date 3/1/21

ROUTE	<u>FAI 474 (I-474)</u>	DESCRIPTION	<u>Structure boring for east abutment</u>	LOGGED BY	<u>RUBINO (JL)</u>
--------------	------------------------	--------------------	---	------------------	--------------------

SECTION	(72-3HB-3)BRR	LOCATION	Closed Road over I-474, SEC. 11, TWP. 8N, RNG. 7E, 4 th PM, Latitude 40°41'3.72"N, Longitude 89°40'29.82"W
----------------	---------------	-----------------	--

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	072-0123	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	237+77	E	L	C	O	Stream Bed Elev.	ft	E	L	C	O

[illegible]

Station	235+12	ft	(ft)	(/6")	(tsf)	(%)	First Encounter	NA	ft	(ft)	(/6")	(tsf)	(%)
Offset	140.0 ft LT						Upon Completion		ft	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev.	663.40	ft					After	Hrs.	ft	(ft)	(/6")	(tsf)	(%)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Page 2 of 2

Date 3/1/21

ROUTE	<u>FAI 474 (I-474)</u>	DESCRIPTION	<u>Structure boring for east abutment</u>	LOGGED BY	<u>RUBINO (JL)</u>
--------------	------------------------	--------------------	---	------------------	--------------------

SECTION (72-3HB-3)BRR LOCATION Cloten Road over I-474, SEC. 11, TWP. 8N, RNG. 7E, 4th PM,
Latitude 40°41'3.72"N, Longitude 89°40'29.82"W

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	072-0123	D	B	U	M	Surface Water Elev.	_____	ft
Station	237+77	E	L	C	O	Stream Bed Elev.	_____	ft
		R	O	S	I			

BORING NO.	SB-3	P T H	O W S	S W T	I S T	Groundwater Elev.: First Encounter	NA	#
Station	23B+12							

Station	235+12				First Encounter	NA	ft
Offset	140.0 ft LT				Upon Completion		ft
Ground Surface Elev.	663.40	ft	(ft)	((6"))	After	Hrs.	ft

[illegible]

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

(Sheet 2 of 2)



USER NAME = LIN03-PC	DESIGNED - CZ	REV#
	CHECKED - MTH	REV#
PLOT SCALE =	DRAWN - TR	REV#
PLOT DATE = 6/4/2026	CHECK DATE - 01/2026	REV#

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING DATA
STRUCTURE NO. 072-0257

SHEET 26 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	69
CONTRACT NO. 68E86				
ILLINOIS		FED. AID PROJECT		

ILLINOIS	FED. AID PROJECT
----------	------------------

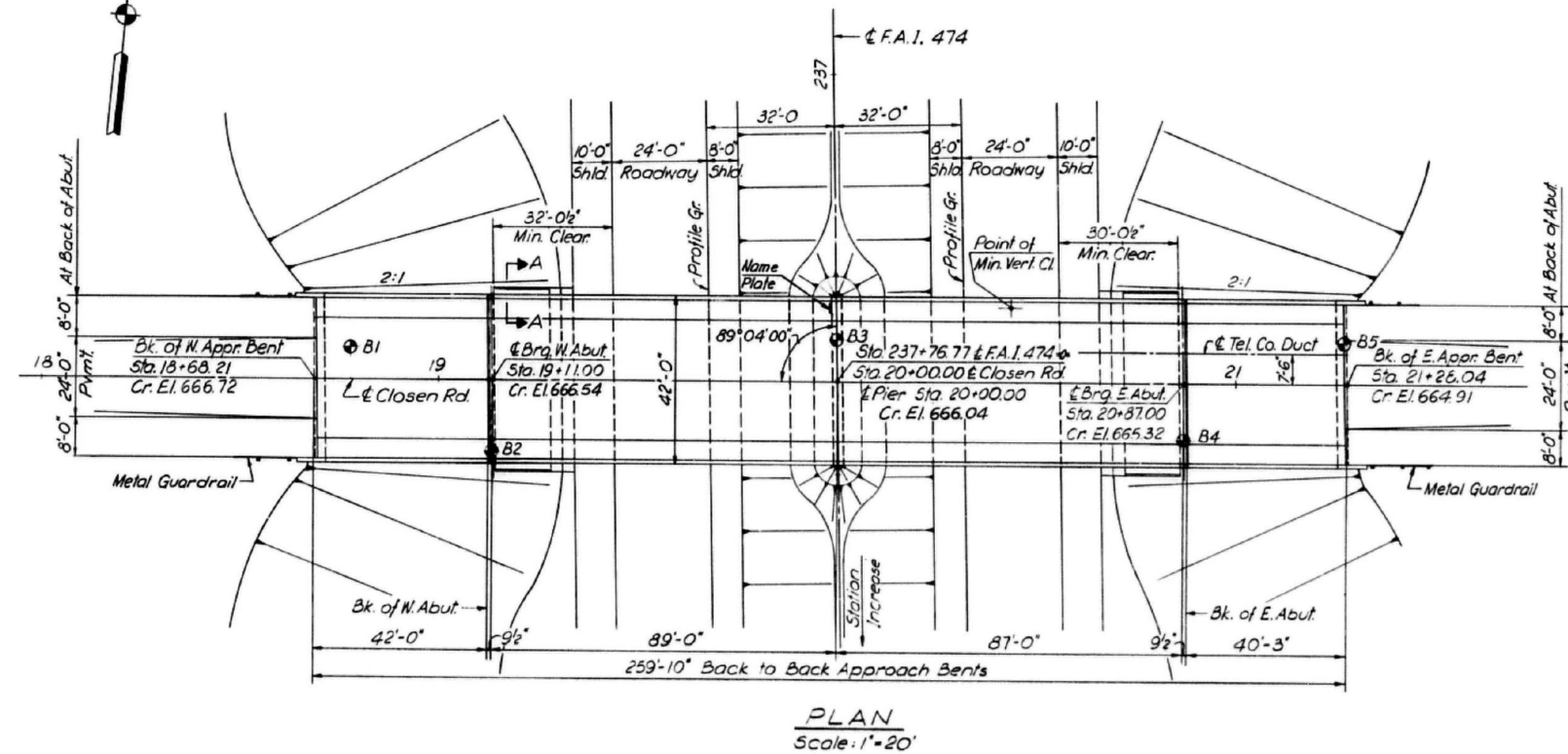
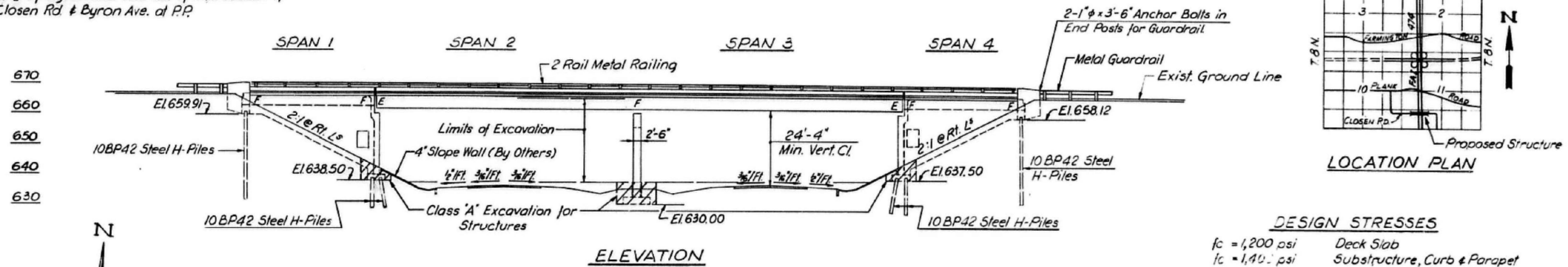
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6/23/2026

10:48:32 AM

FOR INFORMATION ONLY

B.M. F-11; El. 666.691 - 5'x5' Concrete Monument with copperweld disc stamped "F-11" located 245' left of Sta. 239+00, 20' W. of E of Byron Ave. 160' SE. of intersection of Closen Rd. & Byron Ave. at P.P.



$f_c = 1,200 \text{ psi}$	Deck Slab
$f_c = 1,400 \text{ psi}$	Substructure, Curb & Parapet
$n = 10$	
$f_s = 20,000 \text{ psi}$	Structural Steel
$f_s = 20,000 \text{ psi}$	Reinforcement
$v = 75 \text{ psi}$	Footings

L.L. Deflection: $\frac{L}{1,440}$

Precast Prestressed Concrete Beams

$f'_c = 5,000 \text{ psi}$
 $f'_{ci} = 4,000 \text{ psi}$
 $f'_s = 248,000 \text{ psi}$ (Strands)
 $f_{si} = 173,600 \text{ psi}$ (Strands)

LOADING

HS 20-44
25'± Future Wearing Surface

SPECIFICATIONS
1969 A.A.S.H.O. as applicable

STATION 237+76.77
BUILT 197 BY
STATE OF ILLINOIS
F.A.I. RT. 474 SEC. 72-3HB-3
F.A. PROJ. I-474-7(47)
LOADING HS20

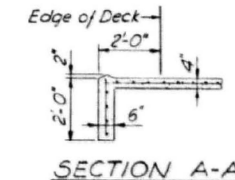
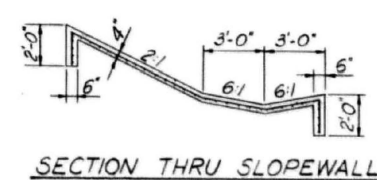
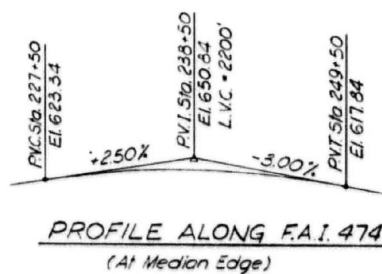
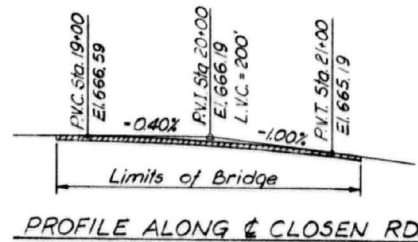
NAME PLATE

See Std. 2113-1
For location see Sh. 16

TOTAL BILL OF MATERIAL

[illegible]

* Alternate to Aluminum



DESIGNED BY AT
DRAWN BY E.F.
CHECKED BY T.T.

PROFILE ALONG & CLOSED RD

PROFILE ALONG F.A.I. 474
(At Median Edge)

SECTION THRU SLOPEWALL

SECTION A-A

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
GENERAL PLAN
CLOSEN ROAD
OVER
F.A.I. ROUTE 474
STA. 237+76.77
FAI RT 474 PEORIA COUNTY SECTION 72-SMB-3
CHRISTIAN-ROGE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET
1 OF 18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

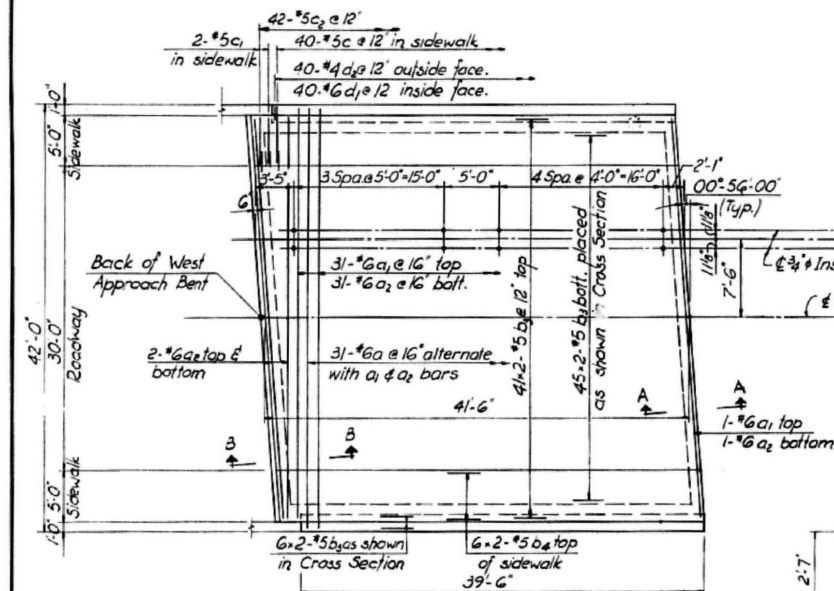
**EXISTING STRUCTURE PLANS
CLOSEN ROAD OVER I-474**

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	70
		CONTRACT NO. 68E86		
		ILLINOIS FED. AID PROJECT		

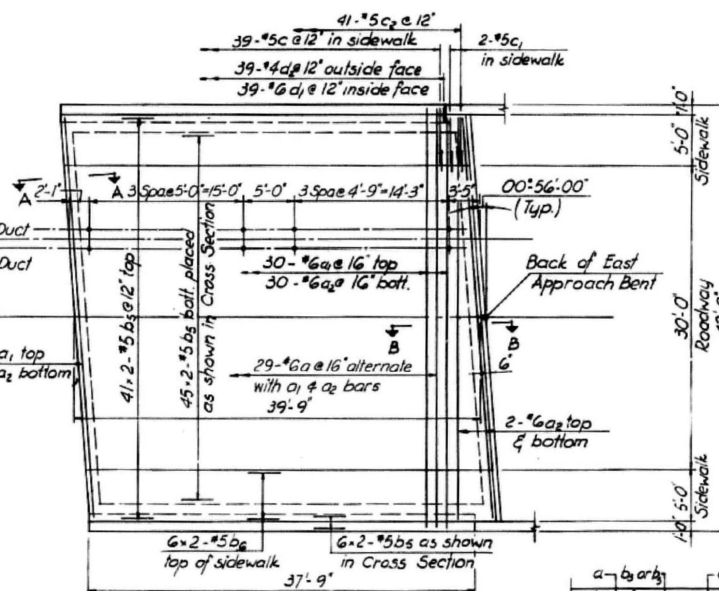
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FOR INFORMATION ONLY

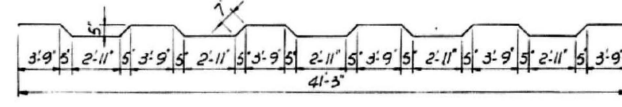
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-474	72-3HB-3	PEORIA	33	8
FED. ROAD DIV. NO. 7	ILLINOIS PROJECT			



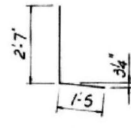
PLAN SPAN 1



PLAN SPAN 4



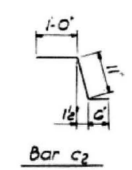
BAR a



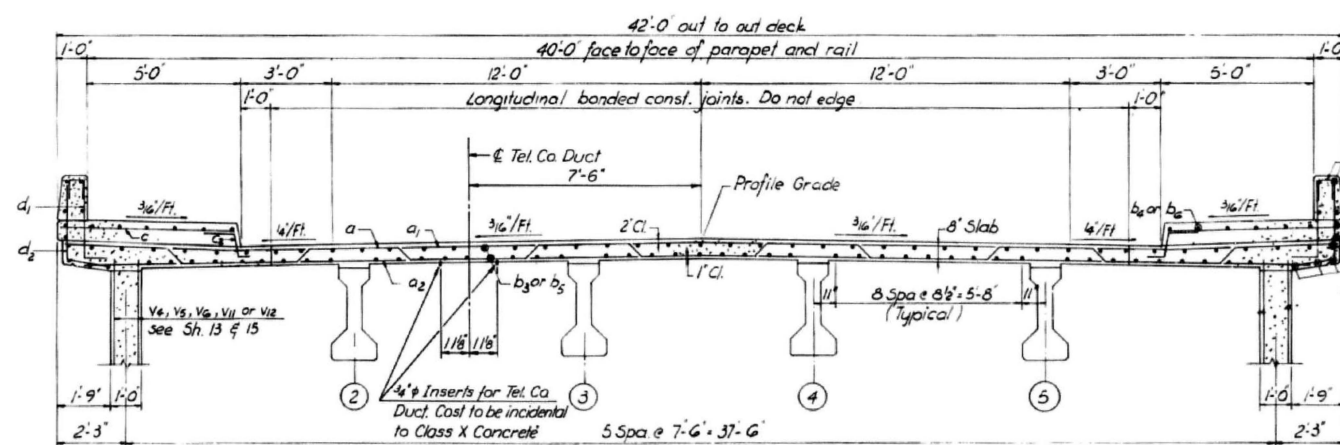
BAR d2



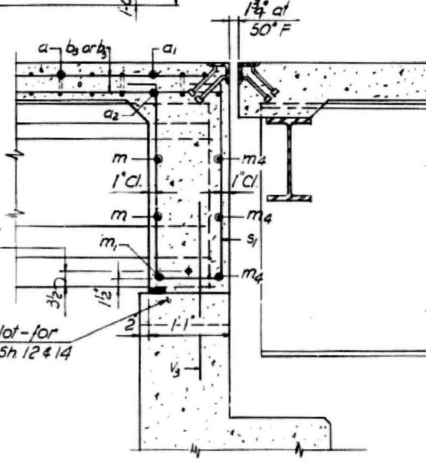
BAR d1



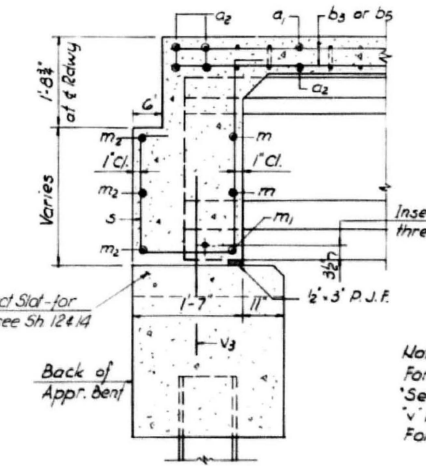
BAR c2



CROSS SECTION
Looking East



SECTION A-A



SECTION B-B

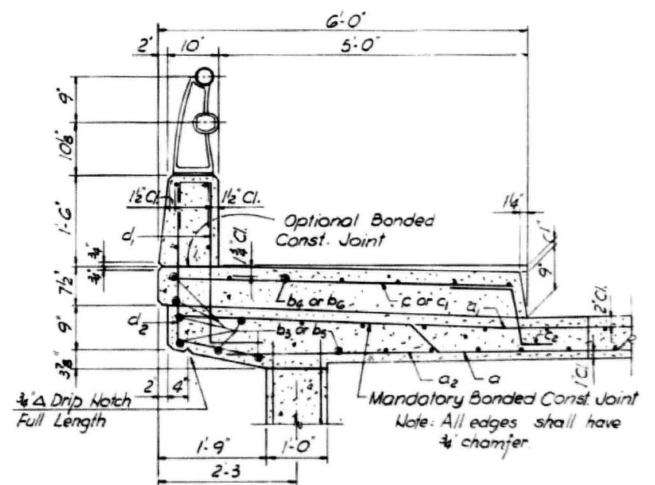
BILL OF MATERIAL, SPAN 1

Bar	Number	Size	Length	Shape
a	31	#6	42'-11"	U
a1	32	#6	41'-3"	U
a2	36	#6	39'-5"	U
b3	196	#5	21'-3"	U
b4	24	#5	21'-6"	U
c	80	#5	5'-8"	U
c1	4	#5	4'-8"	U
c2	84	#5	2'-5"	U
d1	80	#6	3'-6"	L
d2	80	#4	4'-0"	L
m	30	#4	6'-7"	U
m1	10	#5	5'-9"	U
m2	6	#5	20'-6"	U
m3	10	#4	5'-10"	U
m4	6	#5	18'-9"	U
s	25	#4	7'-6"	U
s1	25	#4	8'-3"	U
s2	25	#4	6'-10"	U
Reinforcement bars	Lbs	13,190		
Class X Concrete	Cu Yds	72.1		
Protective Coat	Sq Yds	213		

BILL OF MATERIAL, SPAN 4

Bar	Number	Size	Length	Shape
a	29	#6	42'-11"	U
a1	31	#6	41'-3"	U
a2	35	#6	39'-5"	U
b3	196	#5	20'-4"	U
b4	24	#5	20'-6"	U
c	78	#5	5'-8"	U
c1	4	#5	4'-8"	U
c2	82	#5	2'-5"	U
d1	78	#6	3'-6"	L
d2	78	#4	4'-0"	L
m	30	#4	6'-7"	U
m1	10	#5	5'-9"	U
m2	6	#5	20'-6"	U
m3	10	#4	5'-10"	U
m4	6	#5	18'-9"	U
s	25	#4	7'-6"	U
s1	25	#4	8'-3"	U
s2	25	#4	6'-10"	U
Reinforcement bars	Lbs	12,690		
Class X Concrete	Cu Yds	69.6		
Protective Coat	Sq Yds	205		

For placement and details of bars m thru m4 and s thru s2 see Sh. 4



SIDEWALK DETAIL

Notes:
For details of expansion guards see
Section C-C Sh. 3.
V bars are billed on abutment drawings.
For details of 's' bars see Sh. 4.

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS SUPERSTRUCTURE SPANS 1 & 4 CLOSEN ROAD OVER F.A.I. ROUTE 474 STA. 237 + 76.77 F.A.I. RT. 474 PEORIA COUNTY SECTION 72-3HB-3	
CHRISTIAN-ROBE AND ASSOC. ENGINEERS CHICAGO, ILLINOIS	SHEET 2 of 18

DESIGNED BY: A.T.
DRAWN BY: E.C.
CHECKED BY: A.T.

The Upchurch Group
architects engineers surveyors
123 North 15th Street
Moline, IL 61908
Phone: 317.235.3177
e-mail: upchurchgroup@upchurchgroup.com

USER NAME = BethCatt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PILOT DATE = 6/22/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
CLOSEN ROAD OVER I-474

SCALE: SHEET 2 OF 18 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	71
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

MODEL: D488E86-shft-ExBridge-3 [Steel]
FILE NAME: P:\Cwll\DOT_DIST4\PTB 214-036 var PH H-I 3125005\WO #2 Closen Road 3125005\021D468E86-WO2-CloserRd\CADDdata\CADsteels D488E86-shft-exbridgeplans.dgn

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
a ₁	134	#6	41'-3"	
a ₂	133	#6	42'-11"	
a ₄	134	#6	39'-0"	
b	686	#5	26'-4"	
b ₁	72	#5	30'-9"	
b ₂	42	#6	38'-10"	
c	356	#6	5'-8"	
c ₂	356	#5	2'-5"	
d	356	#4	4'-7"	
d ₁	356	#6	3'-6"	
Reinforcement Bars			Lbs	57,260
Class 'X' Concrete			Cu. Yds	3/G.3
Preformed Joint Sealer			Lin. Ft.	88
Protective Coat			Sq. Yds	9/5
Structural Steel			Lbs	214,770
Stud Shear Connectors			Ea	1,800

[illegible]

Diagram of reinforcement bar a_3 for a slab. The bar is shown with a zigzag profile. Dimensions are given in feet and inches: 4'-0", 3'-7 1/2", 2'-9", 3'-7 1/2", 2'-9", 3'-7", 2'-9", 3'-7 1/2", 2'-9", 3'-7 1/2", 4'-0". A total dimension of 41'-3" is shown below the bar. A vertical dimension h is indicated at the top left, and an angle α is shown at the top center.

Bar d

Bar d_1

DETAIL 'A'

[illegible][illegible]

$\frac{7}{8}" \phi$ holes @ 12" for $\frac{3}{8}" \phi$ bolts
set on 2 $\frac{1}{2}"$ gage line. All bolts
shall be burned, sawed or
clipped off flush with back
of angles after forms are removed

$\frac{7}{8}" \phi$ vent holes @ 12"
set on 18" gage line

L $\times$ 4 $\times$ 4 $\times$ $\frac{1}{2}$ "
Fabricate to crown
(See Sh 7)

See Detail 'A'

Level

Bearing

Along Beam

4" 5 $\frac{1}{2}"$

$\frac{3}{8}" \times 6"$ CR 1020 STL granular
or solid flux filled headed
studs automatically end welded
(See Sh 7)

24" (typ.)

a₁, a₂, a₃, a₄

18" @ 50°F

The Upchurch Group
architects engineers surveyors

Professional Design
Firm Corporation
License No. 184001251-0010

123 North 15th Street
Matteson, IL 61938
Phone: 217.235.3177

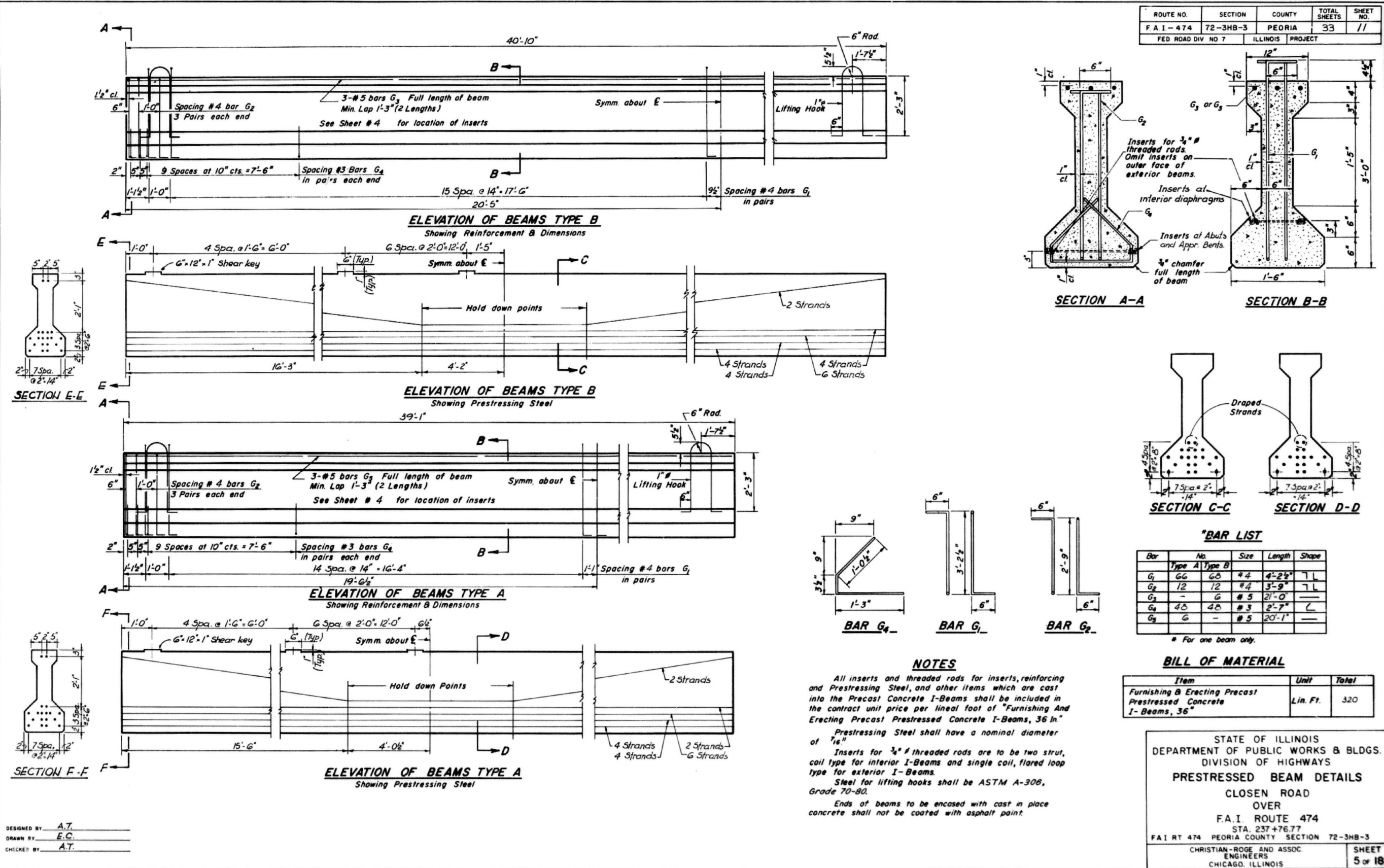
e-mail: upchurchgroup@upchurchgroup.com

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
474	(72-3HB-3)BR	PEORIA	108	72
		CONTRACT NO. 68E86		
		ILLINOIS FED. AID PROJECT		

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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 68E86		
		ILLINOIS	FED. AID PROJECT	

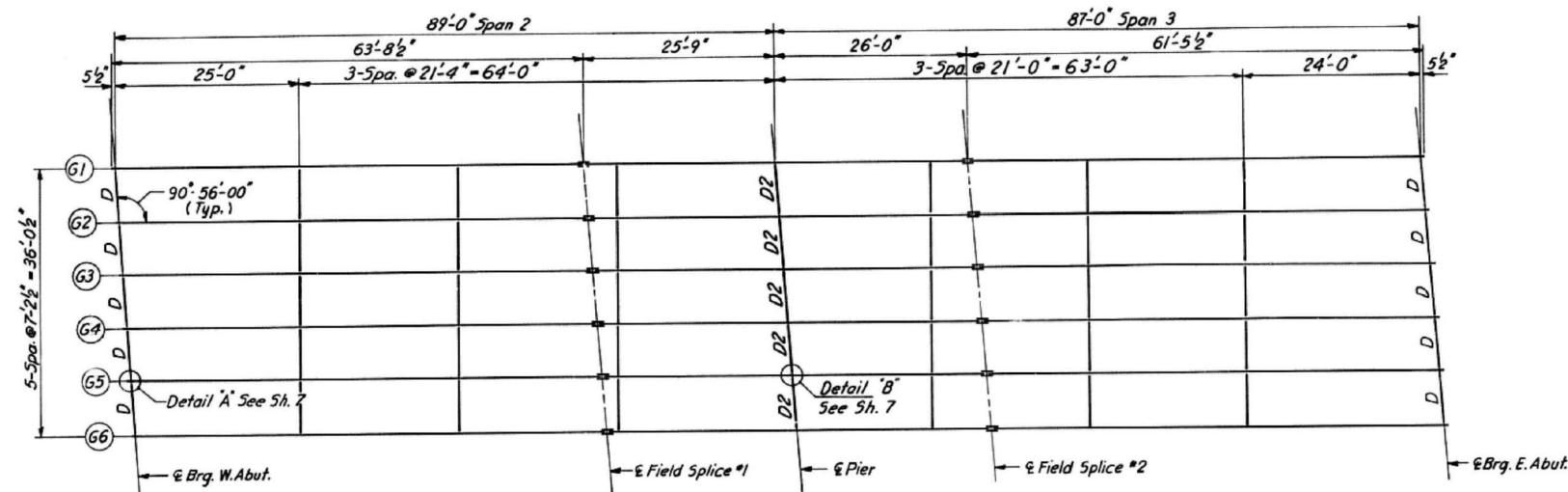
FOR INFORMATION ONLY



MODEL: D468E86-shr-Exbridge-5 (Sheet)
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FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 474	72-3HB-3	PEORIA	33	12
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



FRAMING PLAN

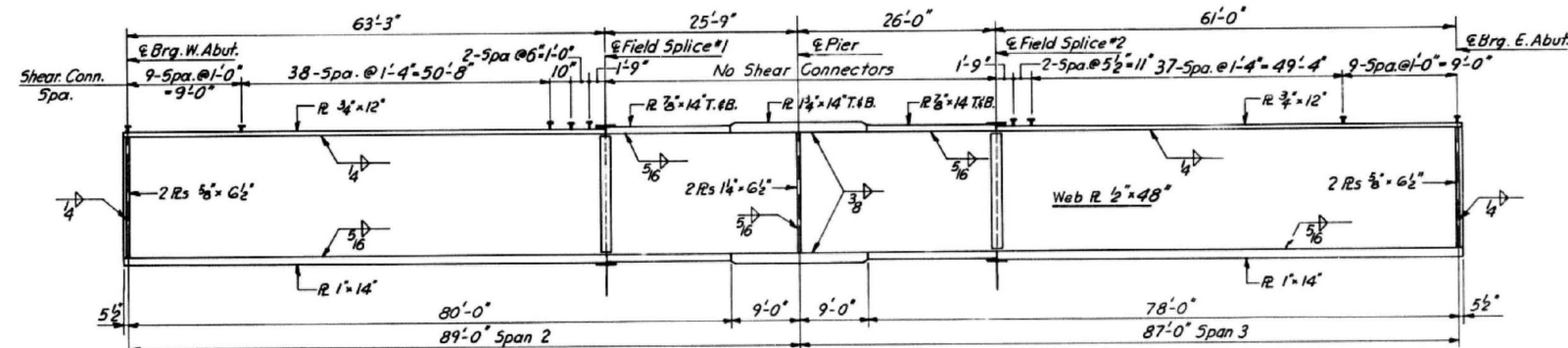
Note: All Diaphragms DI unless otherwise noted.

INTERIOR GIRDER MOMENT TABLE

	4 Spa. 2	Pier	65 Spa. 3
I_s (in ⁴)	17831	34624	17831
I_c (in ⁴)	45668	—	45668
S_s (in ³)	785	1332	785
S_c (in ³)	1100	—	1100
Q (K/ft)	1.003	1.003	1.003
M_e (K)	497.4	1139.8	455.1
f_s (KSI)	7.6	10.2	7.0
S_e (K/ft)	396	396	396
M_{se} (K)	239.1	343.0	222.4
M_u (K)	717.0	535.0	700.0
M_{imp} (K)	169.8	132.0	167.5
$Total$ (K)	1125.9	1010.0	1089.9
f_s (KSI)	12.3	9.1	11.9
f_s Total (KSI)	19.9	19.3	18.9
VR (K)	54.2	—	54.1

INTERIOR GIRDER REACTION TABLE

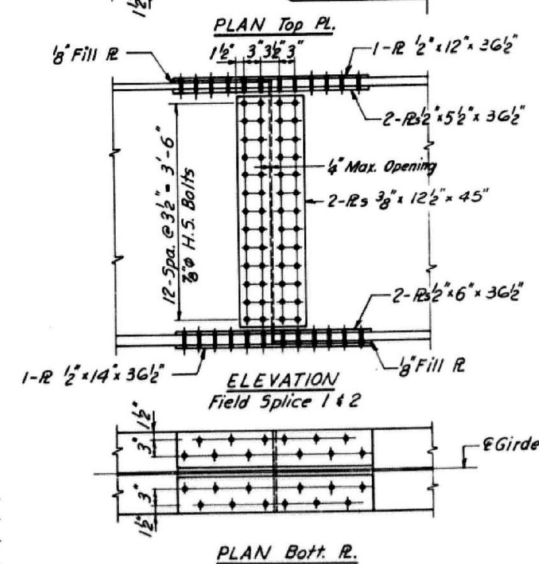
	W. Abut.	Pier	E. Abut.
R_e (K)	45.5	156.6	43.7
R_u (K)	43.0	63.8	43.0
Imp (K)	10.4	15.0	10.3
R Total (K)	98.9	235.4	97.0



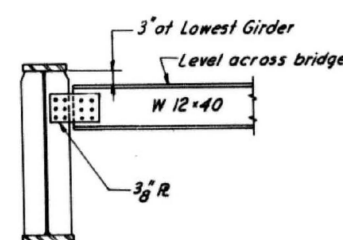
GIRDER ELEVATION

TOP OF WEB ELEVATIONS FOR FABRICATION

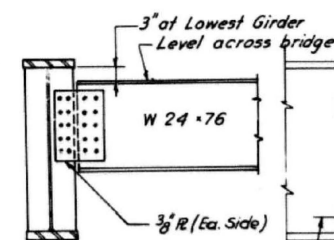
	G1	G2	G3	G4	G5	G6
W. Bearing W. Abutment	665.49	665.64	665.75	665.75	665.63	665.49
W. Field Splice 1	665.12	665.26	665.37	665.37	665.26	665.11
W. Bearing Pier	664.91	665.05	665.16	665.16	665.05	664.91
W. Field Splice 2	664.69	664.84	664.95	664.95	664.83	664.69
W. Bearing E. Abutment	664.27	664.41	664.52	664.52	664.41	664.26



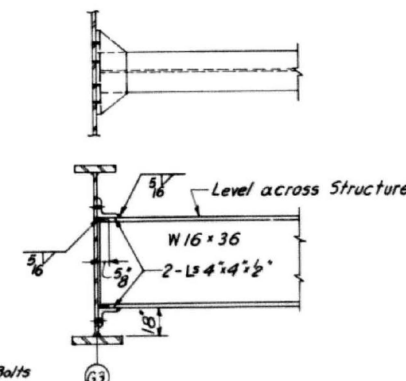
PLAN Bott. R.



DIAPHRAGM D10 Required



DIAPHRAGM D2 Required



DIAPHRAGM D1 Required

3/4" x 4" CR1020 STL Granular or solid Flux filled headed studs automatically end Welded to girder

SHEAR CONNECTOR DETAIL
No Req'd = 1,800

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
STRUCTURAL STEEL
CLOSEN ROAD
OVER
F.A.I. ROUTE 474
STA. 237+76.77
F.A.I. RT. 474 PEORIA COUNTY SECTION 72-3HB-3
CHRISTIAN-ROGE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
NO. 6 OF 18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
CLOSEN ROAD OVER I-474

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	75
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

The Upchurch Group
architects engineers surveyors
Professional Design
123 North 15th Street
Moline, IL 61908
Phone: 317.235.3177
License No. 184601251-0010
e-mail: upchurchgroup@upchurchgroup.com

DESIGNED BY: J.J.
DRAWN BY: J.J.
CHECKED BY: A.T.
PLOT DATE: 6/22/2026

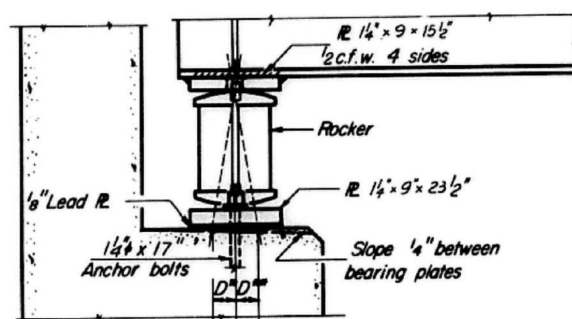
USER NAME: BethCatt
DESIGNED: -
DRAWN: -
CHECKED: -
DATE: -

REVISED: -
REVISED: -
REVISED: -
REVISED: -

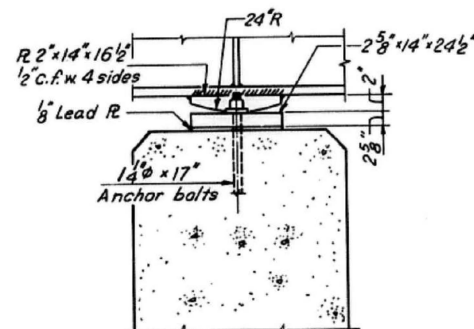
SCALE: SHEET 6 OF 18 SHEETS STA. TO STA.

FOR INFORMATION ONLY

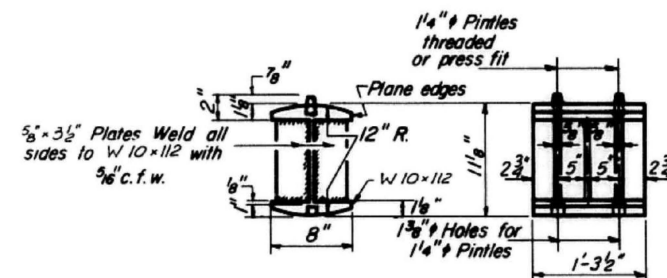
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 474	72-3HB-3	PEORIA	33	13
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



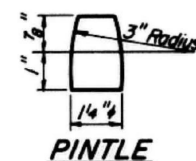
SECTION



SECTION



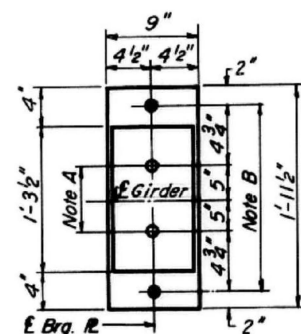
ROCKER



PINTLE

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

- D^* (Side of brg. away from fixed brg.)
 $D^* = \frac{1}{8}$ " per each 100' of expansion for every 15° fall below the normal temp. of 50°F.
 D^{**} (Side of brg. toward fixed brg.)
 $D^{**} = \frac{1}{8}$ " per each 100' of expansion for every 15° rise above the normal temp. of 50°F.
- After Girders have been erected and dimensions D^* or D^{**} determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.



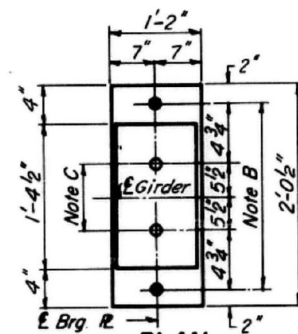
PLAN

AT ABUTMENTS

NOTE A
 $1\frac{3}{8}$ " Holes - 1" deep in top R. for pintles. Thread or press fit pintles into bottom R.

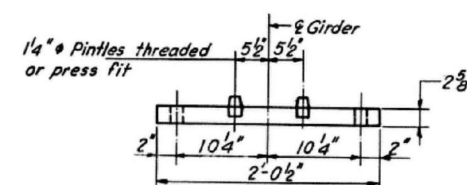
NOTE B
 $1\frac{3}{8}$ " Holes for $1\frac{1}{4}$ " anchor bolts. $\frac{5}{16}$ " x $2\frac{1}{2}$ " x $2\frac{1}{2}$ " R. Washers under nut.

NOTE C
 $1\frac{3}{8}$ " Holes 1" deep in top R. only for $1\frac{1}{4}$ " pintles.



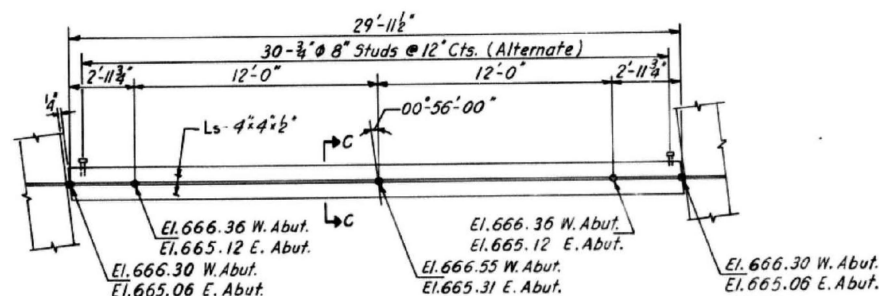
PLAN

AT PIER

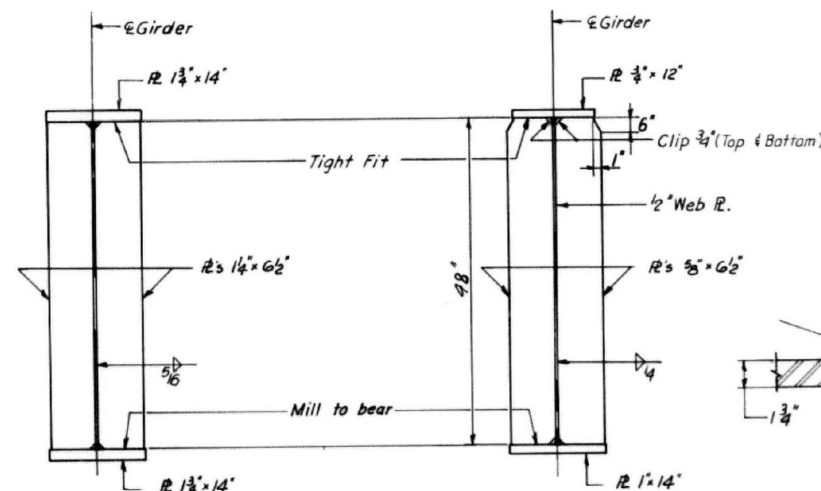


BOTTOM R. AT PIER

BEARING ASSEMBLY DETAILS



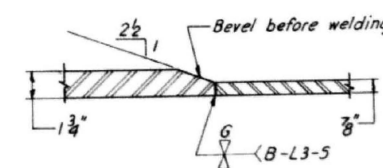
W. & E. ABUTMENT
 for Section C-C See Sheet No 3
 EXPANSION GUARD



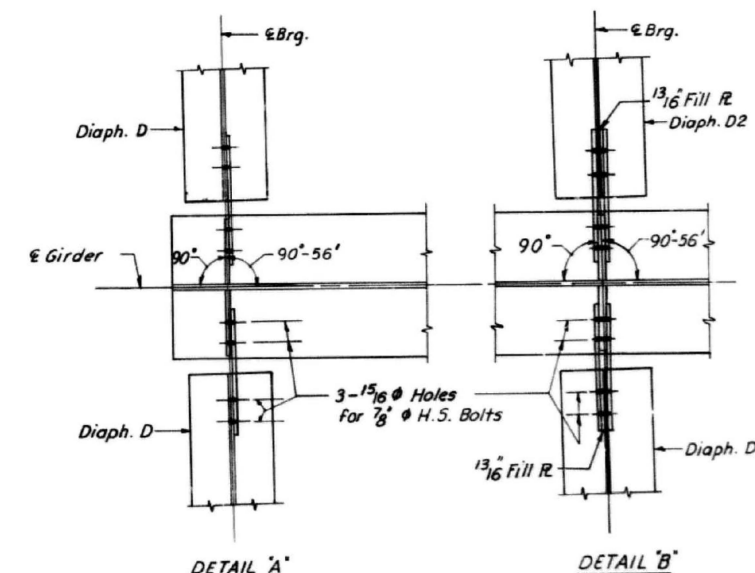
BEARING STIFFENER @ PIER

BEARING STIFFENER @ ABUTMENTS

Note - All Bearing stiffeners to be vertical



SHOP FLANGE SPLICE



DETAIL 'A'

DETAIL 'B'

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS STRUCTURAL STEEL CLOSEN ROAD OVER F.A.I. ROUTE 474 STA. 237 + 76.77 F.A.I. RT. 474 PEORIA COUNTY SECTION 72-3HB-3 CHRISTIAN-ROGE AND ASSOC. ENGINEERS CHICAGO, ILLINOIS			
SHEET	7	OF	18

MODEL: D468E86-sh-ExBridge-7 (Sheet)
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 architects engineers surveyors
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 License No. 184601251-0010
 e-mail: upchurchgroup@upchurchgroup.com

DESIGNED BY	J. J.	DESIGNED -	REVISED -
DRAWN BY	J. J.	DRAWN -	REVISED -
CHECKED BY	A. T.	CHECKED -	REVISED -
PLOT DATE	6/22/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

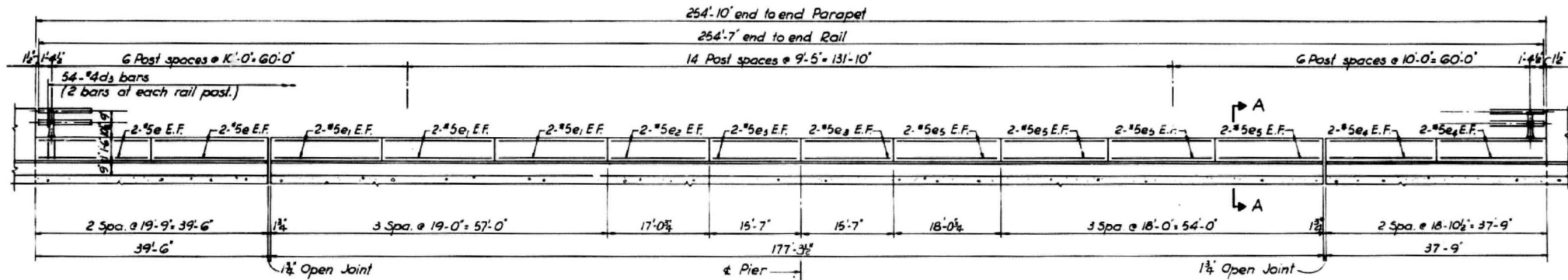
EXISTING STRUCTURE PLANS
 CLOSEN ROAD OVER I-474

SCALE: SHEET 7 OF 18 SHEETS STA. TO STA.

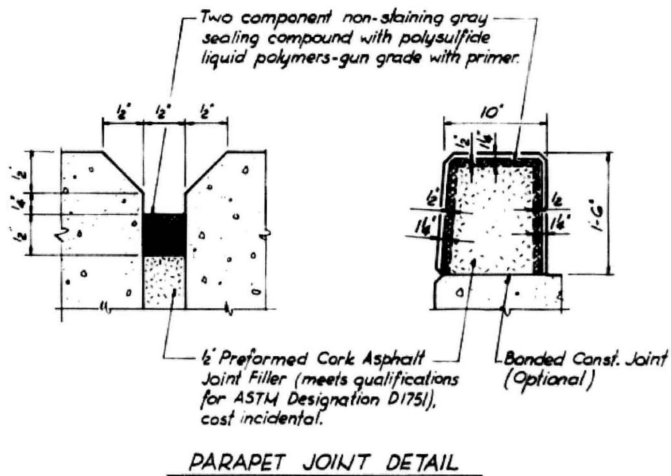
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	76
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

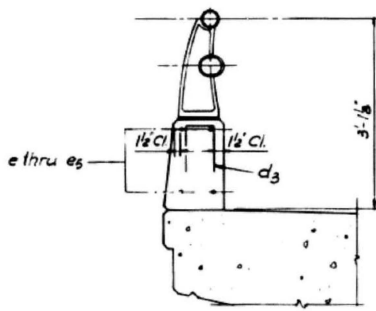
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F.A.I.-474	72-3HB-3	PEORIA	33	14
FED. ROAD DIV. NO. 7		ILLINOIS	PROJECT	



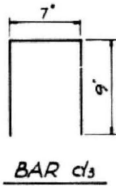
ELEVATION
(North parapet, inside face. South parapet similar)



PARAPET JOINT DETAIL



SECTION A-A



BILL OF MATERIAL *

Bar	No.	Size	Length	Shape
e	16	#5	19'-6"	—
e ₁	24	#5	18'-9"	—
e ₂	8	#5	16'-10"	—
e ₃	16	#5	15'-4"	—
e ₄	16	#5	13'-7"	—
e ₅	32	#5	17'-9"	—
d ₃	108	#4	2'-1"	□
Reinforcement Bars		Lbs	2240	
Class 'X' Concrete		Cu Yds	26.0	

* Both parapets

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
PARAPET & RAILING LAYOUT
CLOSEN ROAD
OVER
F.A.I. ROUTE 474
STA. 237+76.77
F.A.I. RT. 474 PEORIA COUNTY SECTION 72-3HB-3
CHRISTIAN-ROSE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
8 of 18

DESIGNED BY: EC
DRAWN BY: AT
CHECKED BY: AT

The Upchurch Group
architects engineers surveyors
Professional Design Firm Corporation
123 North 15th Street
Moline, IL 61908
Phone: 217.235.3177
License No. 184001251-0010
e-mail: upchurchgroup@upchurchgroup.com

USER NAME = BethCatt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/22/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
CLOSEN ROAD OVER I-474

SCALE: SHEET 8 OF 18 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	77
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F A 1 - 474	72-3HB-3	PEORIA	33	15
FED ROAD DIV NO 7		ILLINOIS	PROJECT	

NOTES:

All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.

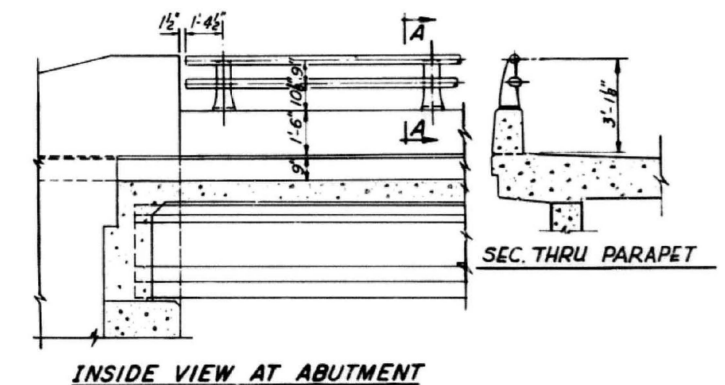
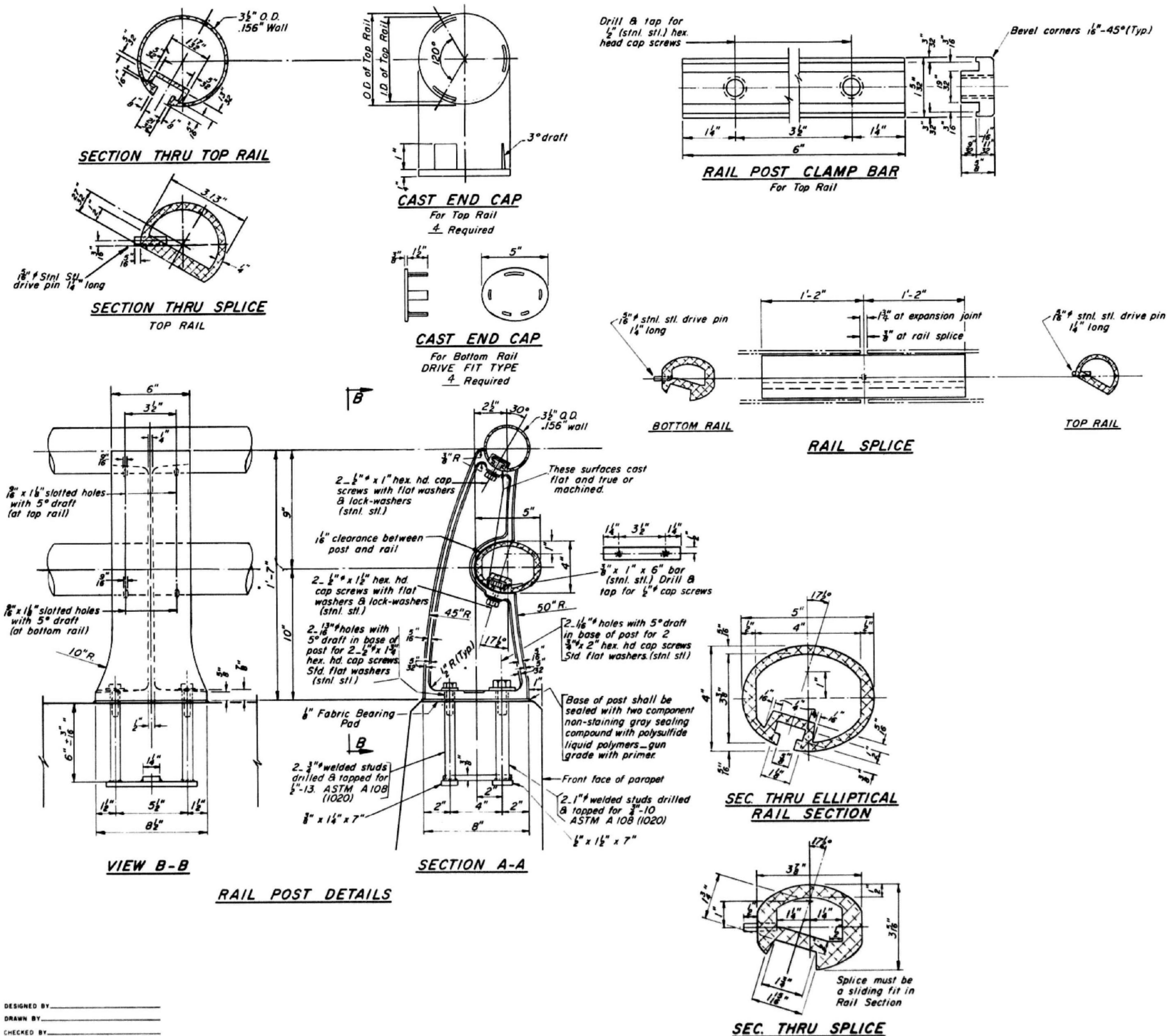
All joints in rail shall be spliced per detail.

Provide 1- 9" and 2- 16" Aluminum Shims for 25 % of the Posts.

Rail elements shall be parallel to grade - high spots shall be ground and low spots shimmed.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for ALUMINUM RAILING, TYPE L.

Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min tensile 38ksi, and elongation of 10 % in 2 inches.



BILL of MATERIALS

Item	Unit	Quantity
ALUMINUM RAILING, TYPE L	Lin. Ft.	510

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
ALUMINUM RAILING TYPE L
CLOSED ROAD
OVER
F.A.I. ROUTE 474
STA. 237+76.77
FA I RT 474 PEORIA COUNTY SECTION 72-3HB-3
CHRISTIAN-ROGE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET
9 of 18

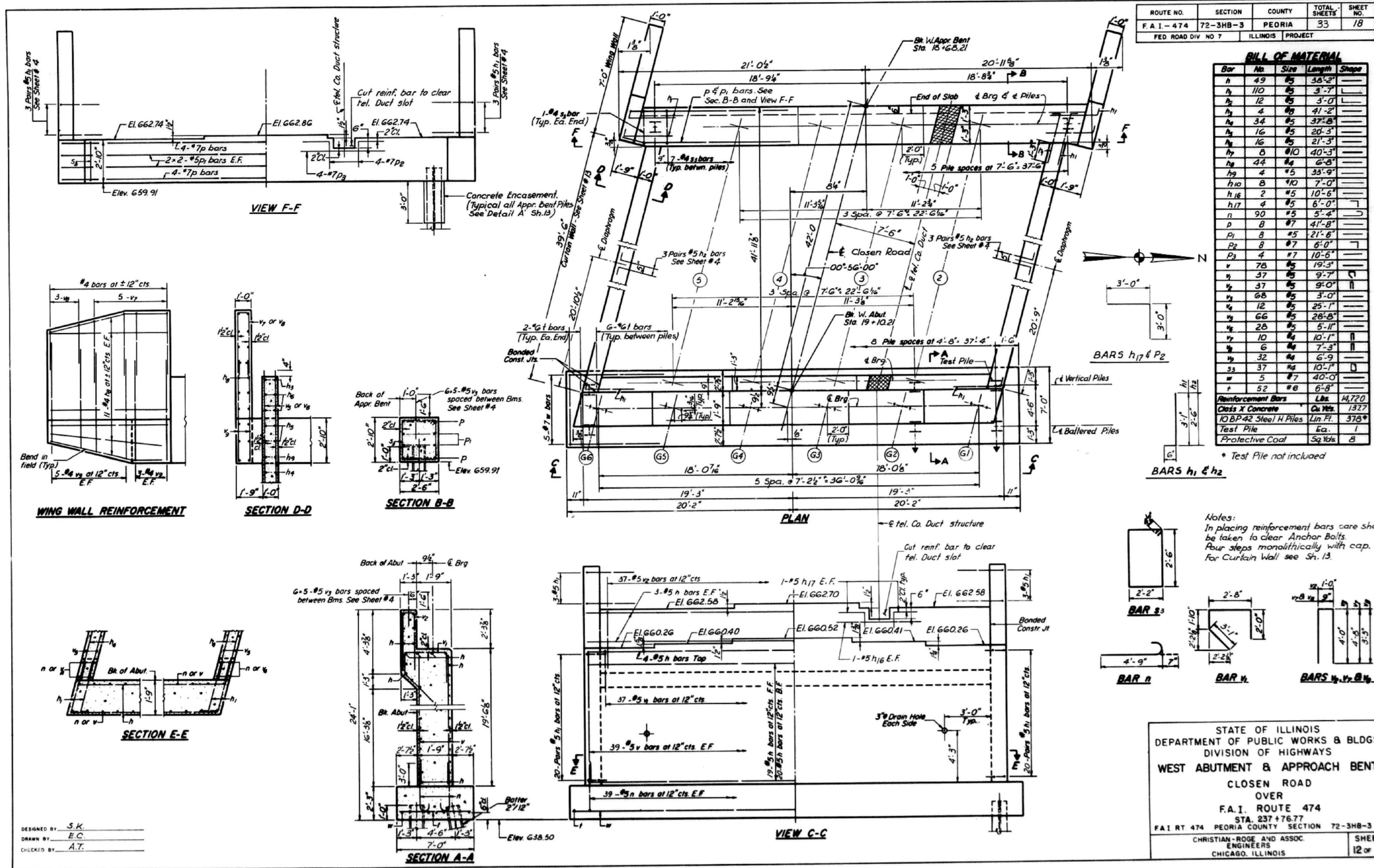
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	79
		CONTRACT NO. 68E86		
		ILLINOIS	FED. AID PROJECT	

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FOR INFORMATION ONLY



MODEL: D468E86-sh-Exbridge-12 (Sheet)
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The Upchurch Group
 architects engineers
 123 North 15th Street
 Moline, IL 61908
 Phone: 317.235.3177
 e-mail: upchurchgroup@upchurchgroup.com

DESIGNED BY: S.K.
 DRAWN BY: E.C.
 CHECKED BY: A.T.

PLOT DATE: 6/22/2026

USER NAME: BethCatt
 DESIGNED: -
 DRAWN: -
 CHECKED: -
 DATE: -

REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
 CLOSEN ROAD OVER I-474

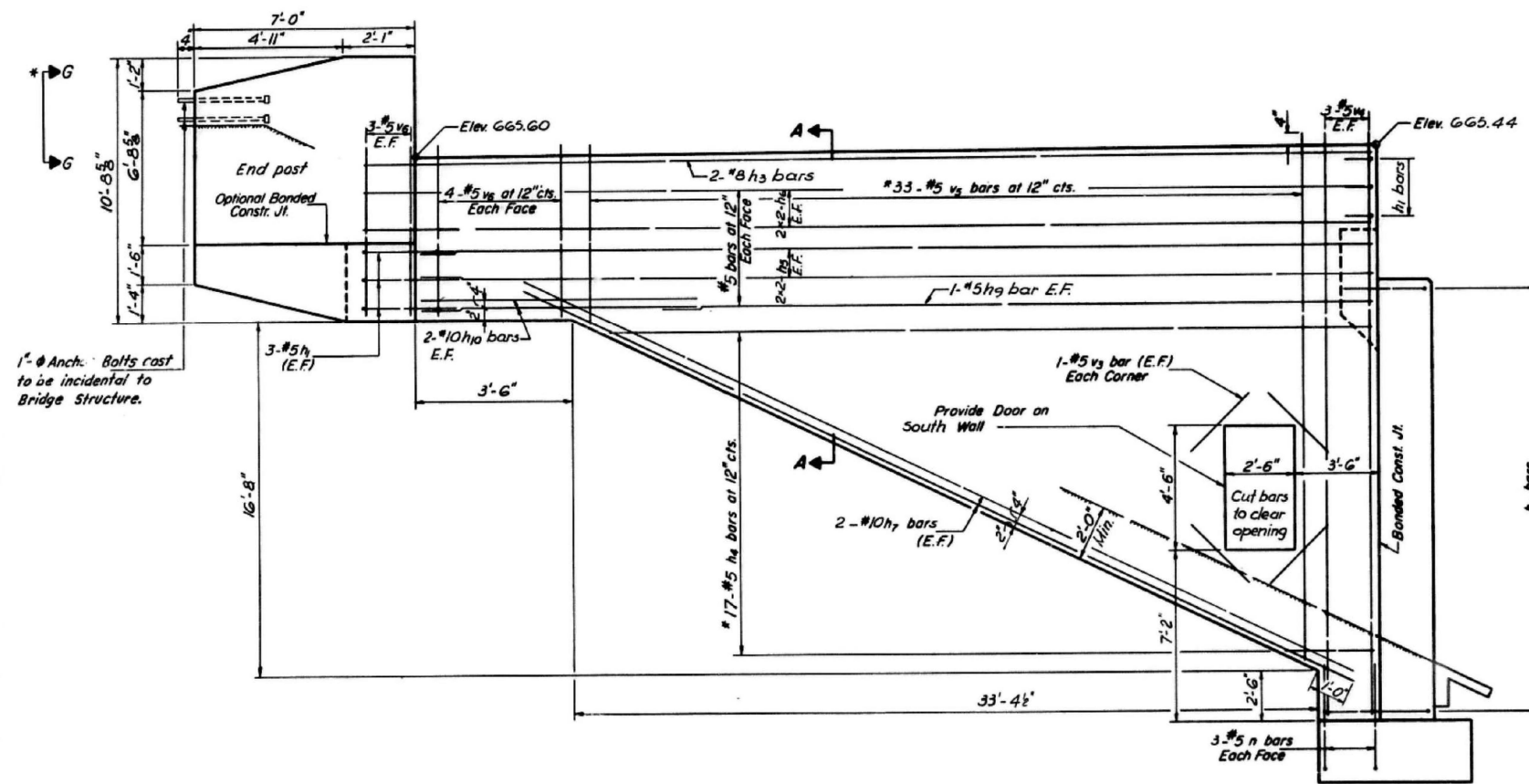
SCALE: SHEET 12 OF 18 SHEETS STA. TO STA.

F.A.I. RTE. 474
 SECTION (72-3HB-3)BR
 COUNTY PEORIA
 TOTAL SHEETS 108
 SHEET NO. 81
 CONTRACT NO. 68E86
 ILLINOIS FED. AID PROJECT

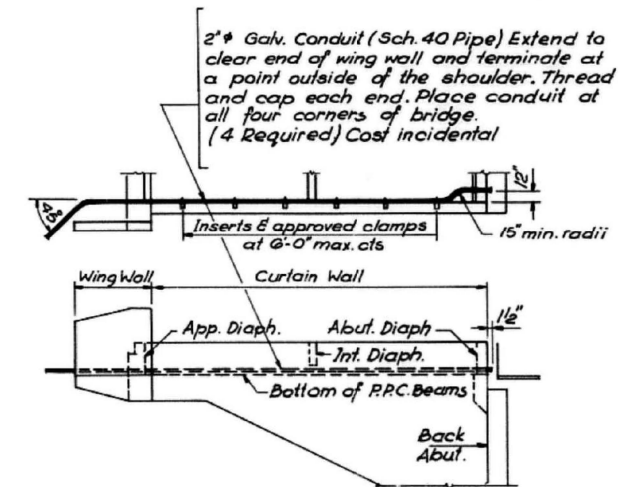
FOR INFORMATION ONLY

*For View G-G and Anchor Bolt, See Sheet 15.

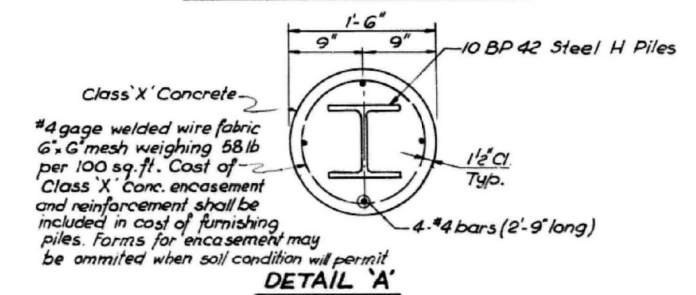
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 474	72-3HB-3	PEORIA	33	19
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



SIDE ELEVATION



ELECTRICAL CONDUIT LOCATION

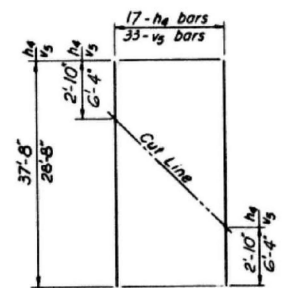


APPR. BENT - PILE DATA

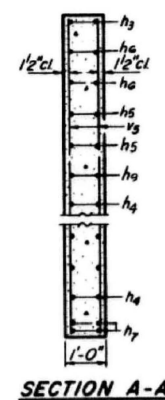
Type : 10BP42 Steel H Piles
Capacity : Drive to refusal
Est. Length : 29'
No. Req'd : 6

ABUT. - PILE DATA

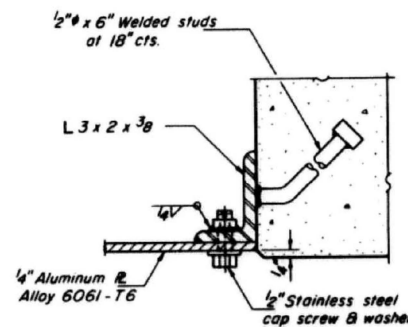
Type : 10BP42 Steel H Piles
Capacity : Drive to refusal
Est. Length : 12'
No. Req'd : 17 plus 1 test pile



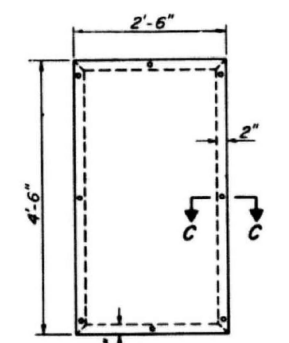
FIELD CUTTING DIAGRAM
* Order h_4 & v_3 bars full length.
Cut to fit as shown and use remainder of bars in other face.



SECTION A-A



SECTION C-C



DOOR ELEVATION
(Cost of door and frame are incidental.)

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS WEST END CURTAIN WALLS & WING WALLS CLOSEN ROAD OVER F.A.I. ROUTE 474 STA. 237+76.77 F.A.I. RT. 474 PEORIA COUNTY SECTION 72-3HB-3 CHRISTIAN-ROGE AND ASSOC. ENGINEERS CHICAGO, ILLINOIS				SHEET 13 OF 18
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

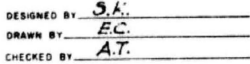
EXISTING STRUCTURE PLANS
CLOSEN ROAD OVER I-474

SCALE: SHEET 13 OF 18 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	82
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

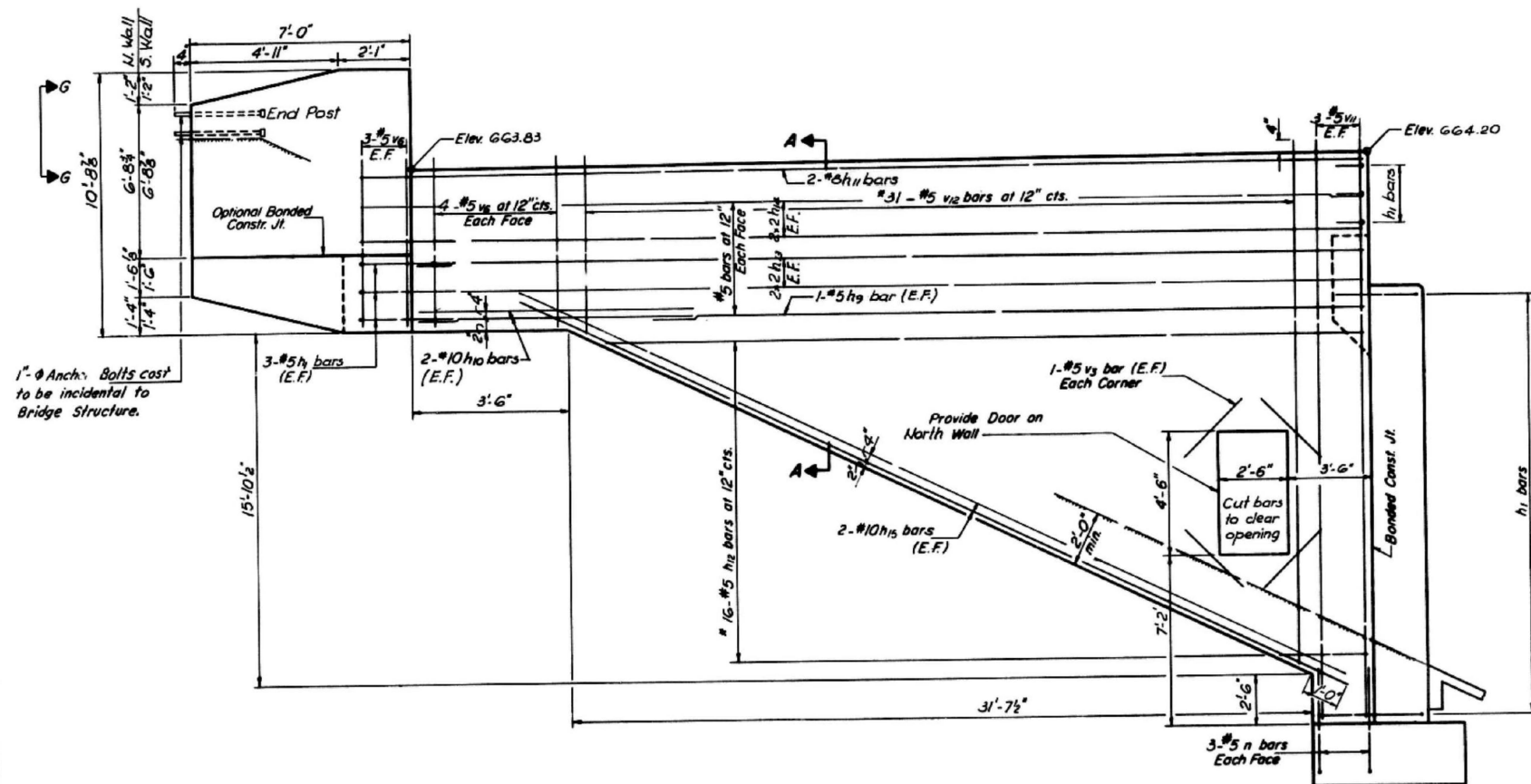
DESIGNED BY: <u>S.K.</u>	USER NAME: BethCatt	DESIGNED -	REVISED -
DRAWN BY: <u>E.C.</u>		DRAWN -	REVISED -
CHECKED BY: <u>A.T.</u>		CHECKED -	REVISED -
		DATE -	REVISED -
	PLOT DATE: 6/22/2026		

MODEL: D468E86-sh-EzBridge-14 [Sheet]
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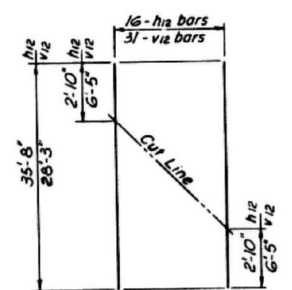
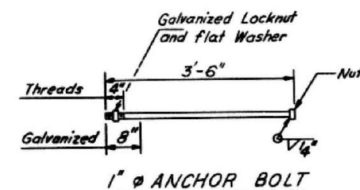
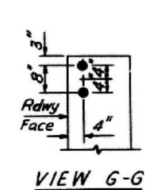


FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 1 - 474	72-3HB-3	PEORIA	33	21
FED ROAD DIV NO 7	ILLINOIS	PROJECT		

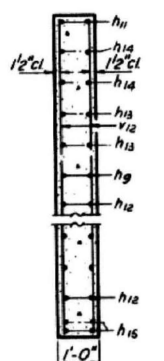


SIDE ELEVATION

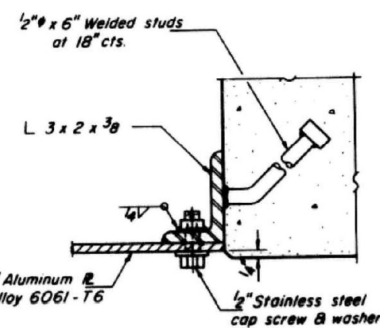


FIELD CUTTING DIAGRAM

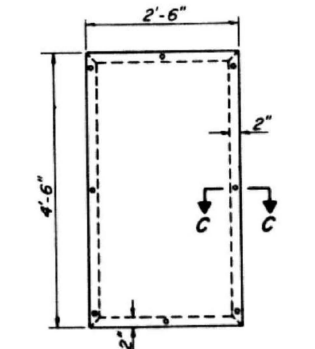
* Order h_4 & v_5 bars full length.
Cut to fit as shown and use remainder of bars in other face



SECTION A-A



SECTION C-C



DOOR ELEVATION
(Cost of door and frame are incidental)

APPR. BENT - PILE DATA
Type : 10 BP42 Steel H Piles
Capacity : Drive to refusal
Est. Length : 29'
No. Req'd : 6

ABUT. - PILE DATA
Type : 10 BP42 Steel H Piles
Capacity : Drive to refusal
Est. Length : 13'
No. Req'd : 17 plus 1 test pile

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS			
EAST END CURTAIN WALLS & WING WALLS			
CLOSEN ROAD OVER F.A.I. ROUTE 474 STA. 237+76.77			
FA 1 RT 474 PEORIA COUNTY SECTION 72-3HB-3			SHEET 15 OF 18
CHRISTIAN-ROGE AND ASSOC. ENGINEERS CHICAGO, ILLINOIS			

MODEL: D468E86-sh-ExBridge-15 [Sheet]
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Phone: 217.235.3177
License No. 184601251-0010
e-mail: upchurchgroup@upchurchgroup.com

DESIGNED BY: S.K.	USER NAME: BethCatt	DESIGNED -	REVISED -
DRAWN BY: E.C.		DRAWN -	REVISED -
CHECKED BY: A.T.		CHECKED -	REVISED -
		DATE -	REVISED -
		PLOT DATE: 5/19/2026	

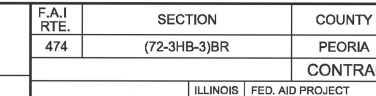
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
CLOSEN ROAD OVER I-474

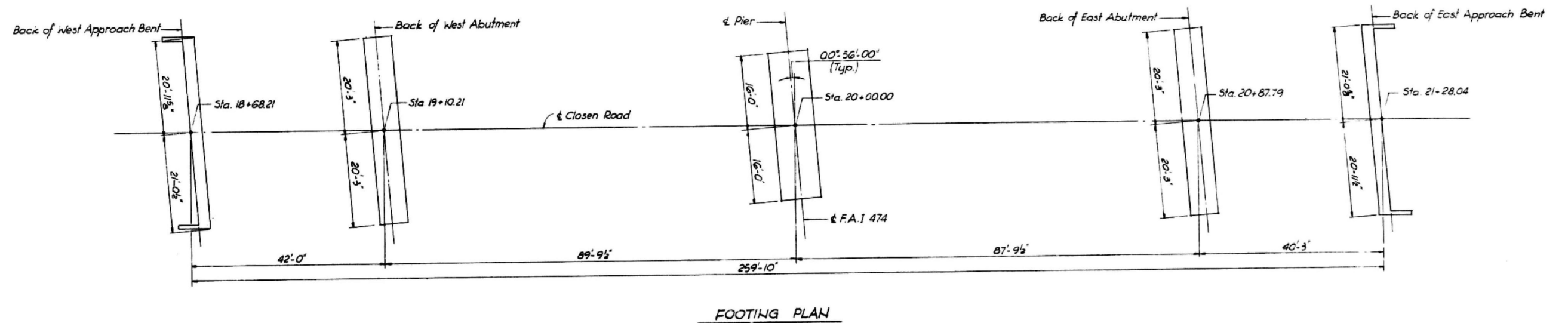
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 474	72-3HB-3	PEORIA	33	23
FED. ROAD DIV. NO. 7		ILLINOIS	PROJECT	



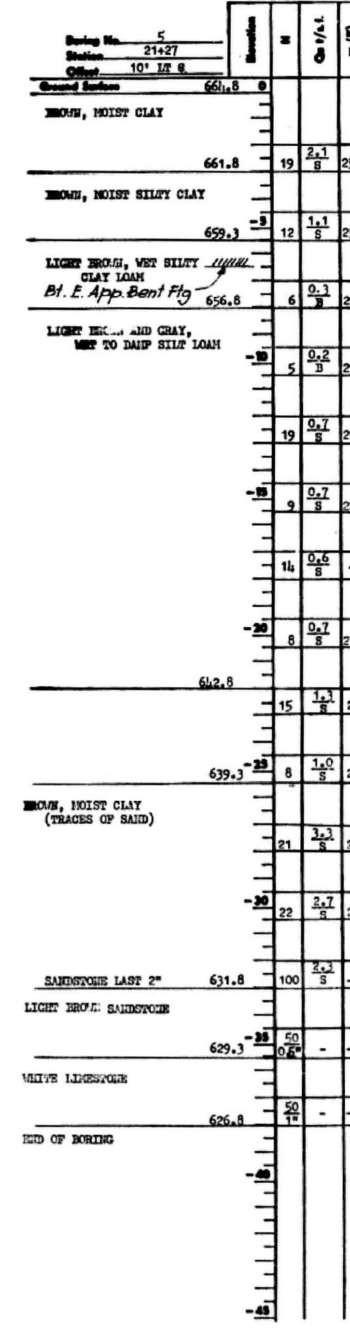
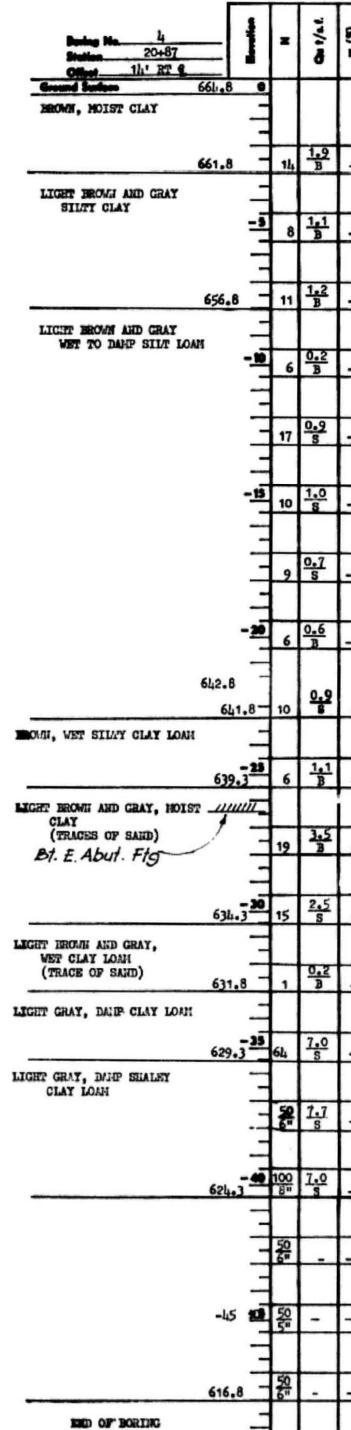
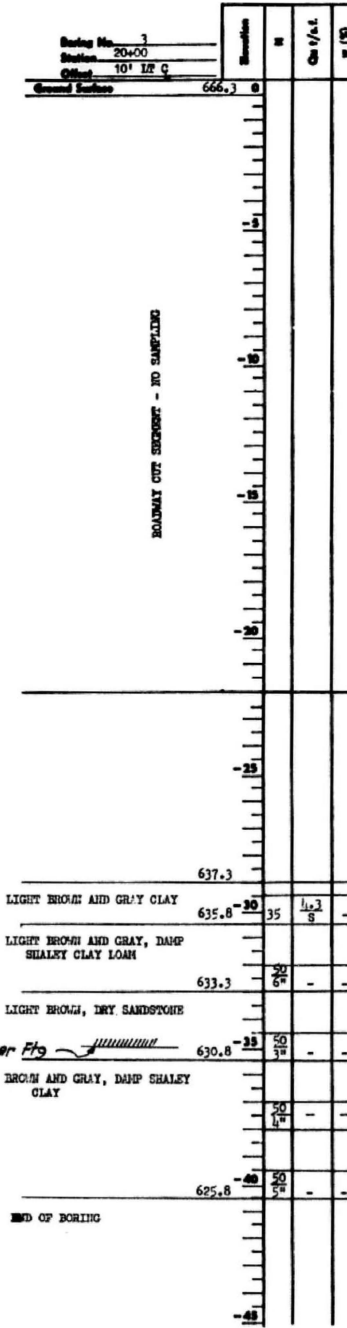
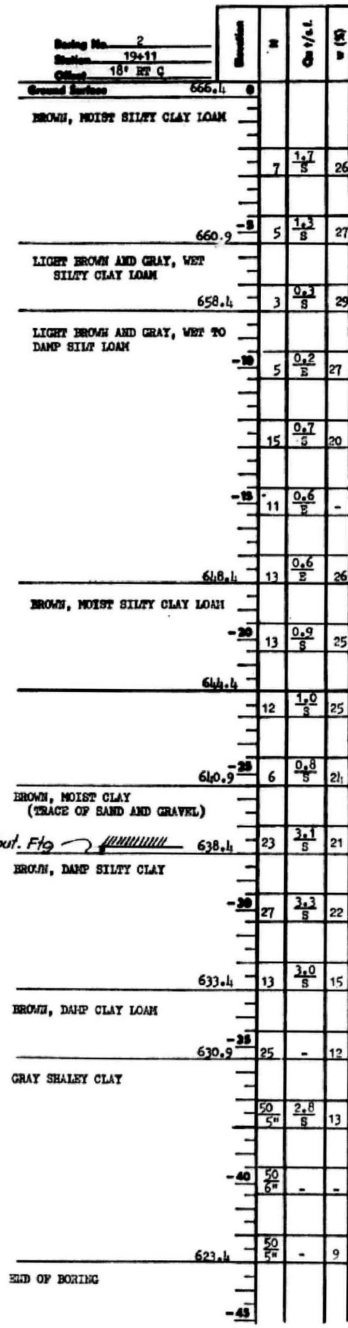
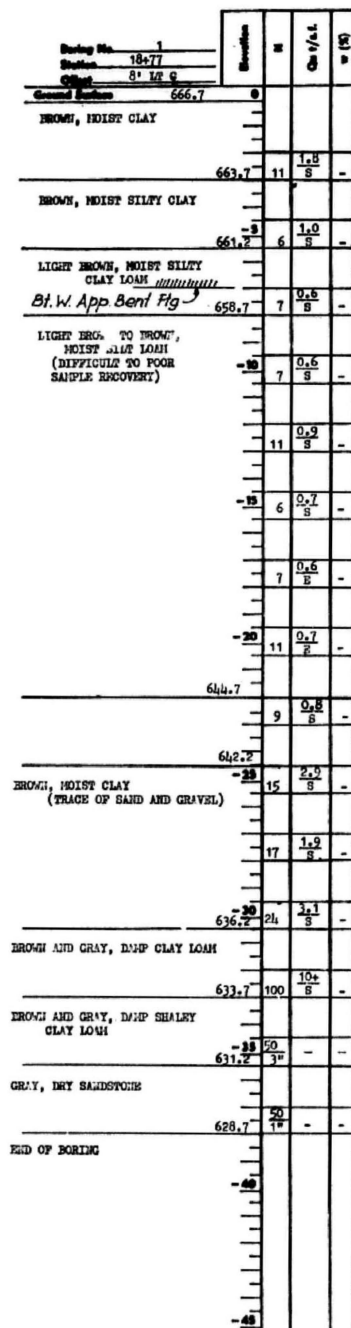
DESIGNED BY _____
DRAWN BY E.C.
CHECKED BY A.T.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FOOTING LAYOUT
CLOSEN ROAD
OVER
F.A.I. ROUTE 474
STA. 237+76.77
F.A.I. RT. 474 PEORIA COUNTY SECTION 72-3HB-3
CHRISTIAN-ROGE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
17 of 18

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 474	72-3HB-3	PEORIA	33	24
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



DESIGNED BY _____
DRAWN BY _____
CHECKED BY _____

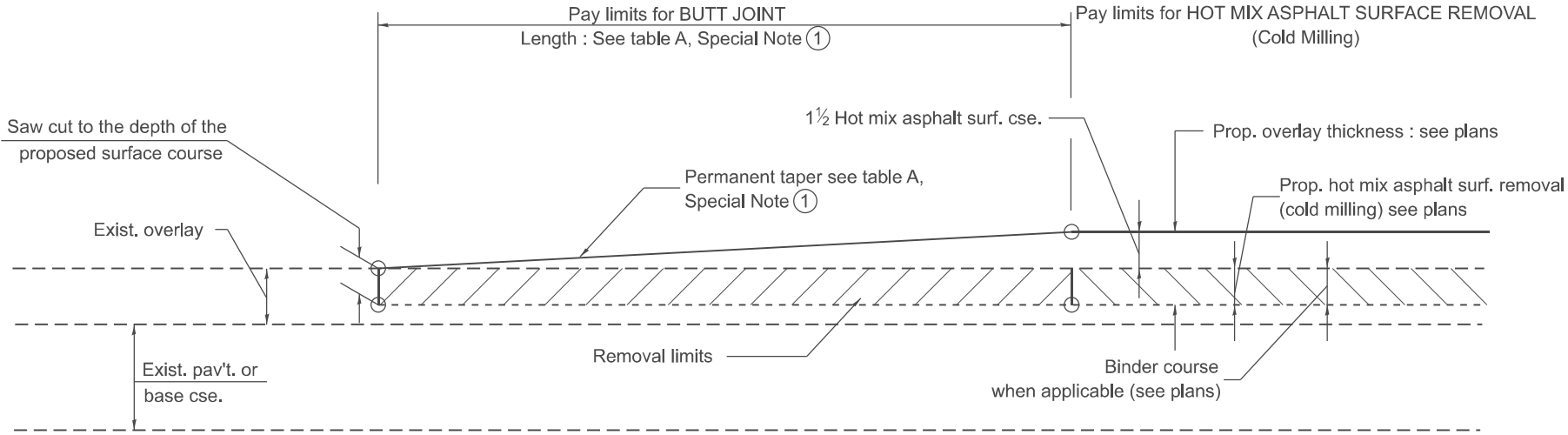
N - Standard Penetration Test -
Blows per foot to drive 2"
O.D. Split Spoon Sampler 12" with
140# hammer falling 30".

Q_u - Unconfined Compressive Strength - t/si
w - Water Content - percentage of oven dry weight - %.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Parameter

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
BORING LOGS
CLOSEN ROAD
OVER
F.A.I. ROUTE 474
STA. 237+76.77
F A I R T 474 PEORIA COUNTY SECTION 72-3HB-3
CHRISTIAN-ROGE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET
18 of 18

MODEL: D:\68E86-sh-District Stds 406101-1 (Sheet)
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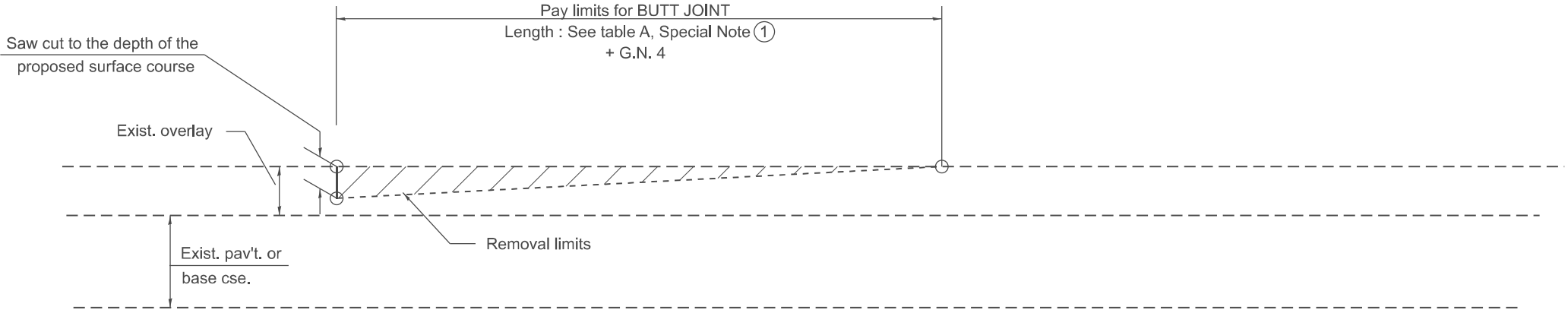
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
TAPER RATES

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
1	BUTT JOINT TAPER RATE	1:480	1:240
2	TEMPORARY RAMP TAPER RATE	1:80	1:40

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.



CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches unless otherwise noted.

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Mankato, IL 61308

Phone: 217.255.3177

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/22/2026	DATE -	REVISED -

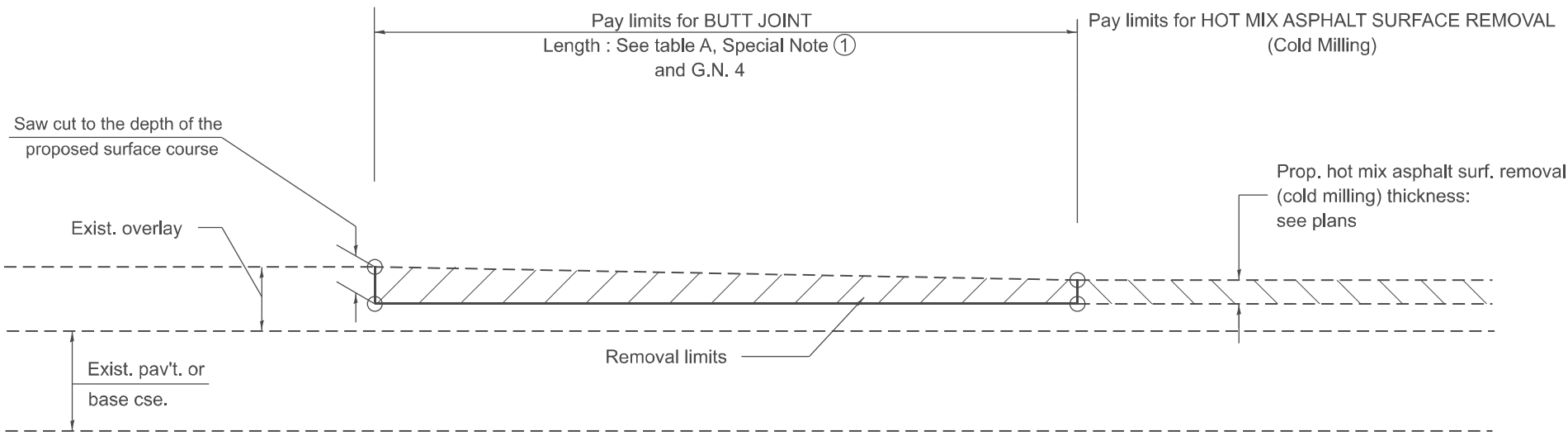
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

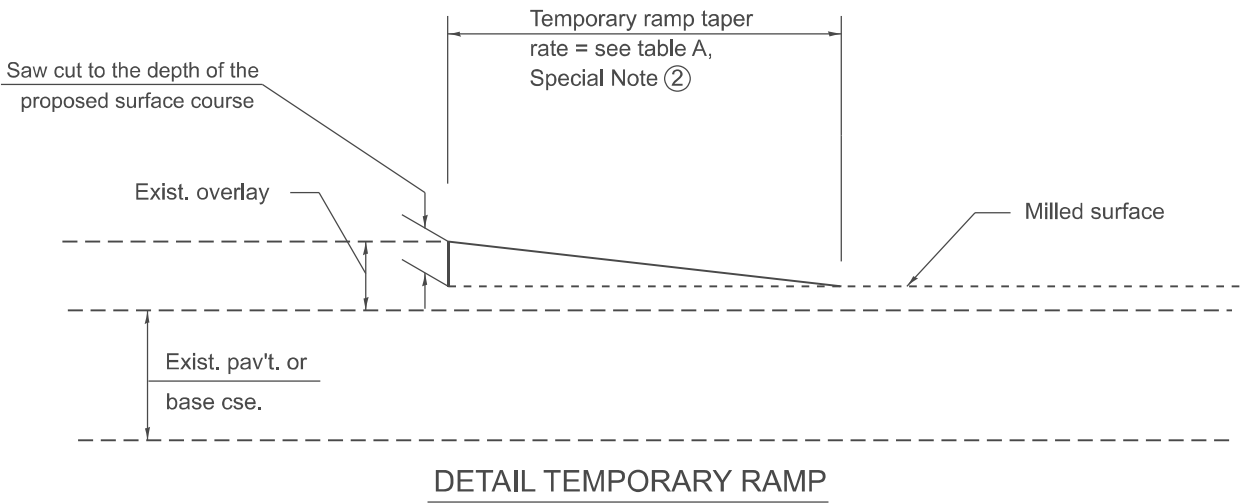
BUTT JOINTS

SCALE: SHEET 1 OF 13 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	88
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



All dimensions are in inches
unless otherwise noted.

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Firm Corporation
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e-mail: upchurchgroup@upchurchgroup.com

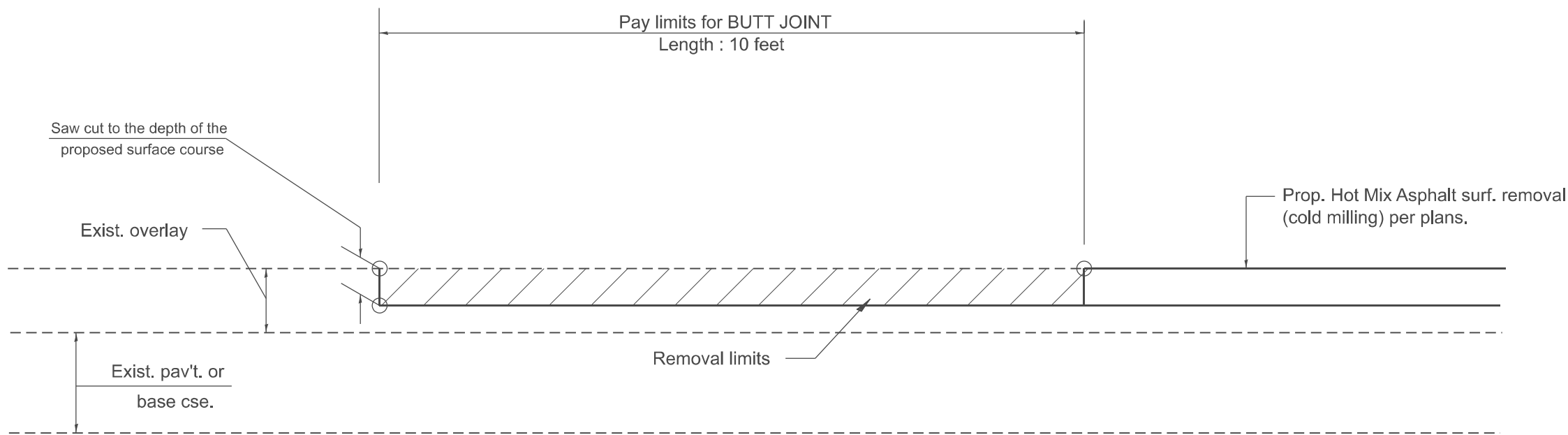
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Mankato, IL 61308
Phone: 217.255.3177
Fax: 217.255.3177

USER NAME	= BethCatt	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS			
SCALE:	SHEET 2	OF 13 SHEETS	STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	89
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



**CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

All dimensions are in inches
unless otherwise noted.

MODEL: D:\68E86-sh-District Sts. 406101+3 (Sheet)
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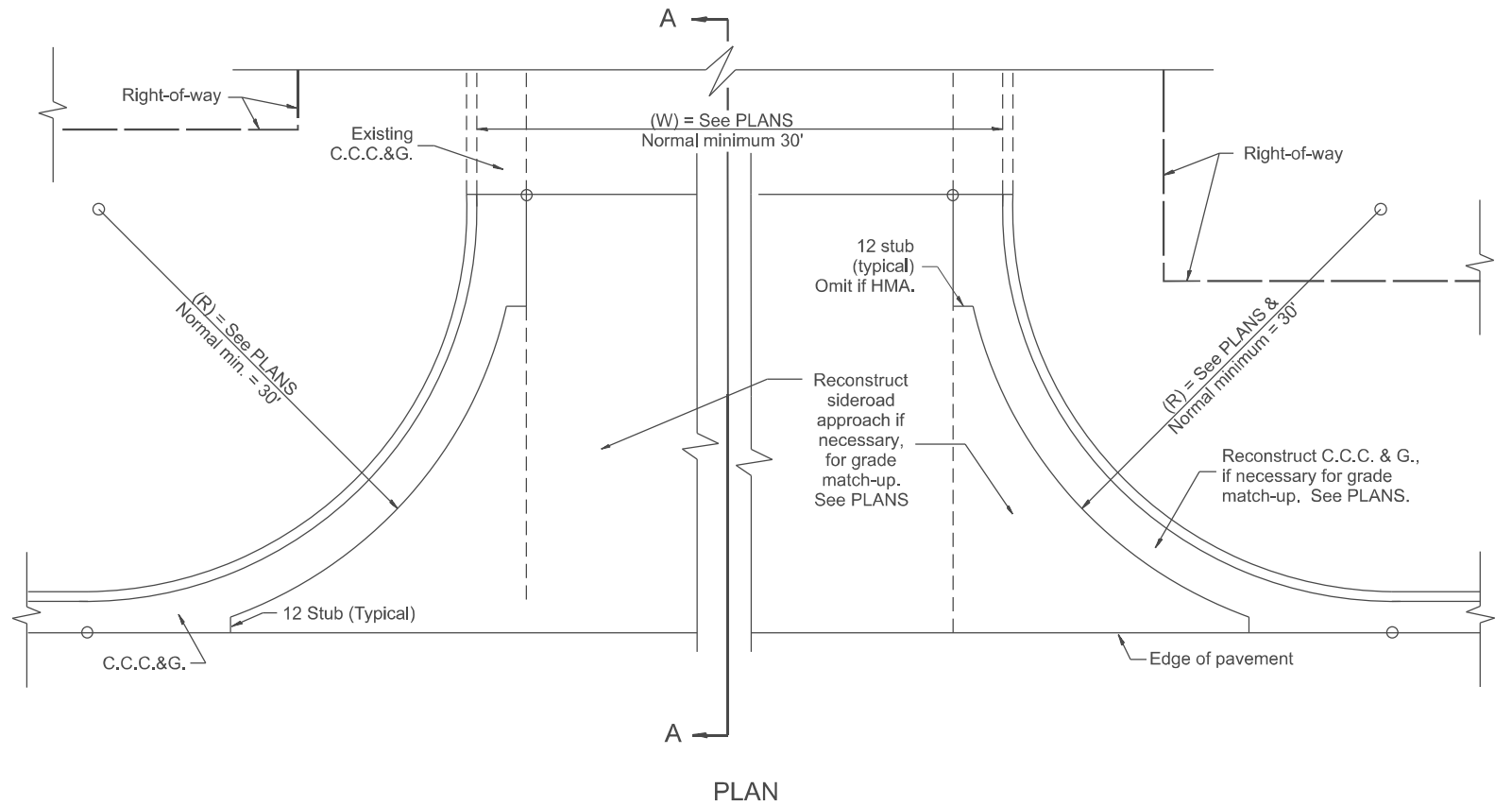
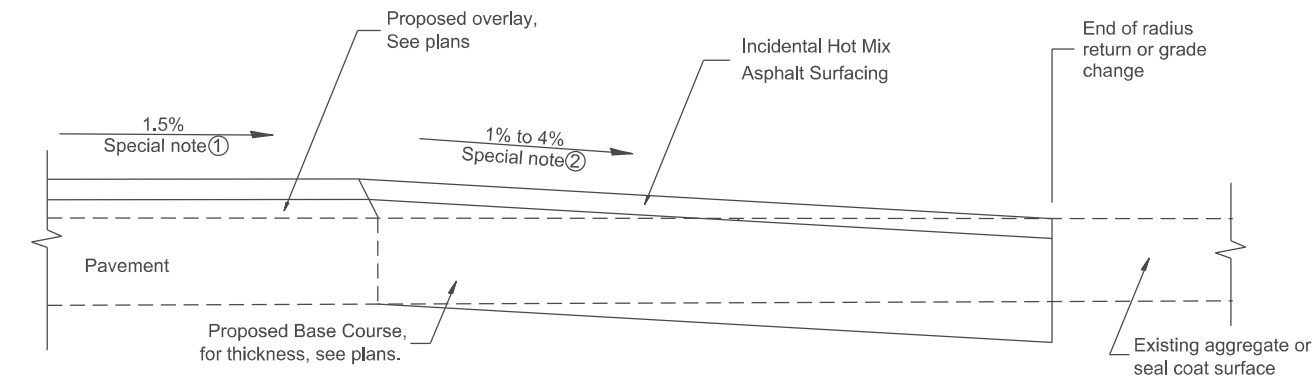
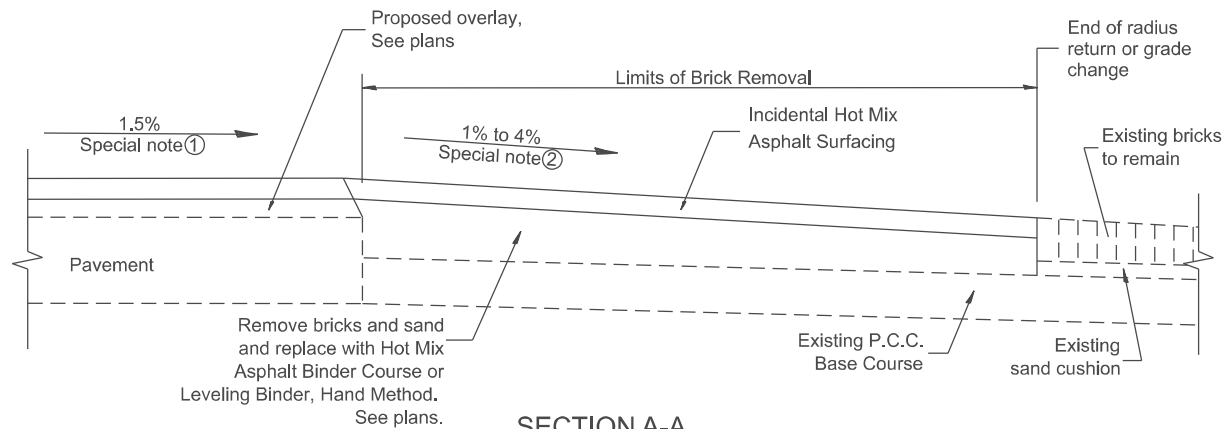
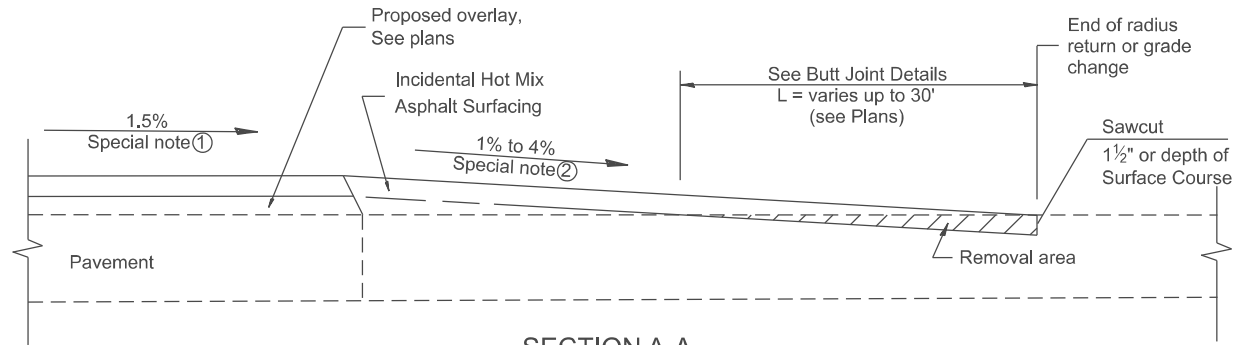
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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS			
SCALE:	SHEET 3	OF 13 SHEETS	STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	90
CONTRACT NO. 68E86				
		ILLINOIS	FED. AID PROJECT	

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SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See Plans for cross-slope on superelevated horizontal curves.
- ② The sideroad profile should drain away from the mainline at 1% to 4% for 50' to 100', or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline superelevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

All dimensions are in inches unless otherwise noted.

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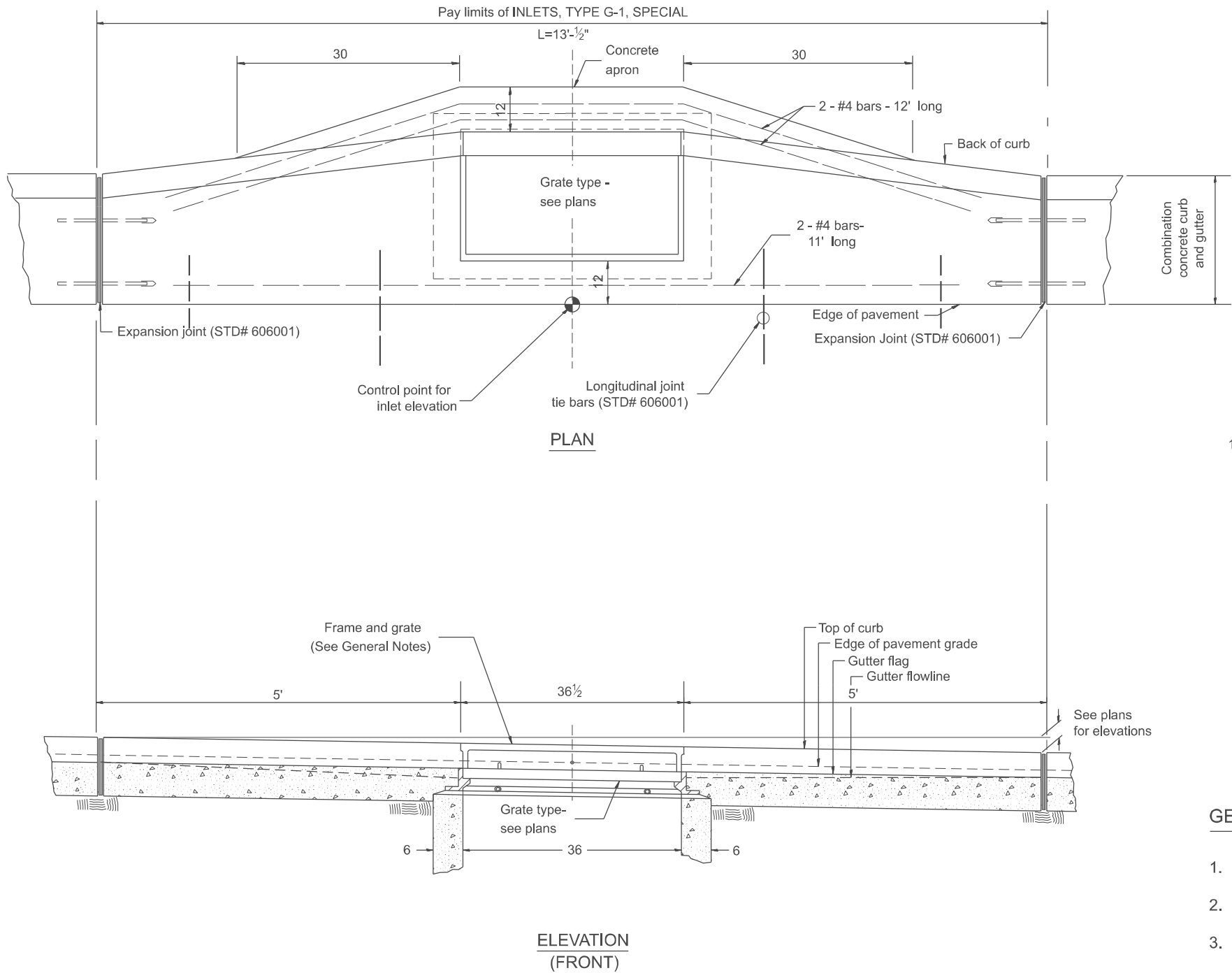
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/22/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

URBAN SIDEROADS FOR "3R" PROJECTS			
SCALE:	SHEET 4	OF 13 SHEETS	STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	91
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

All dimensions are in inches unless otherwise noted.

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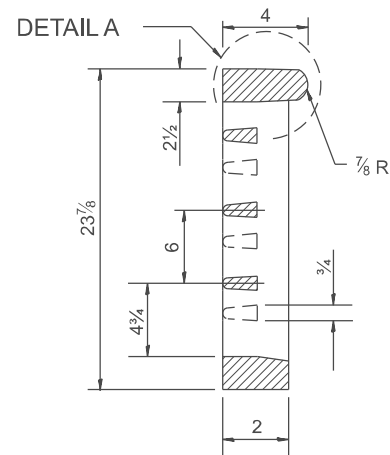
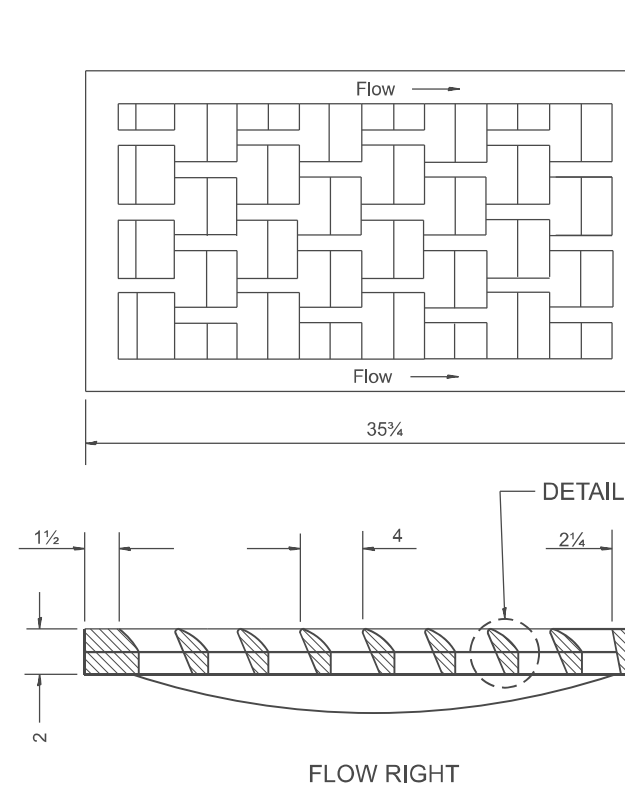
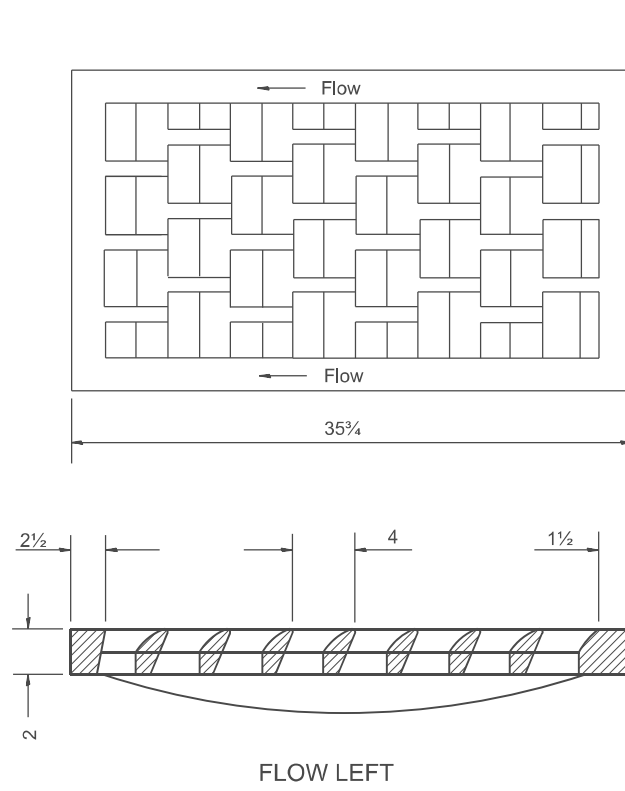
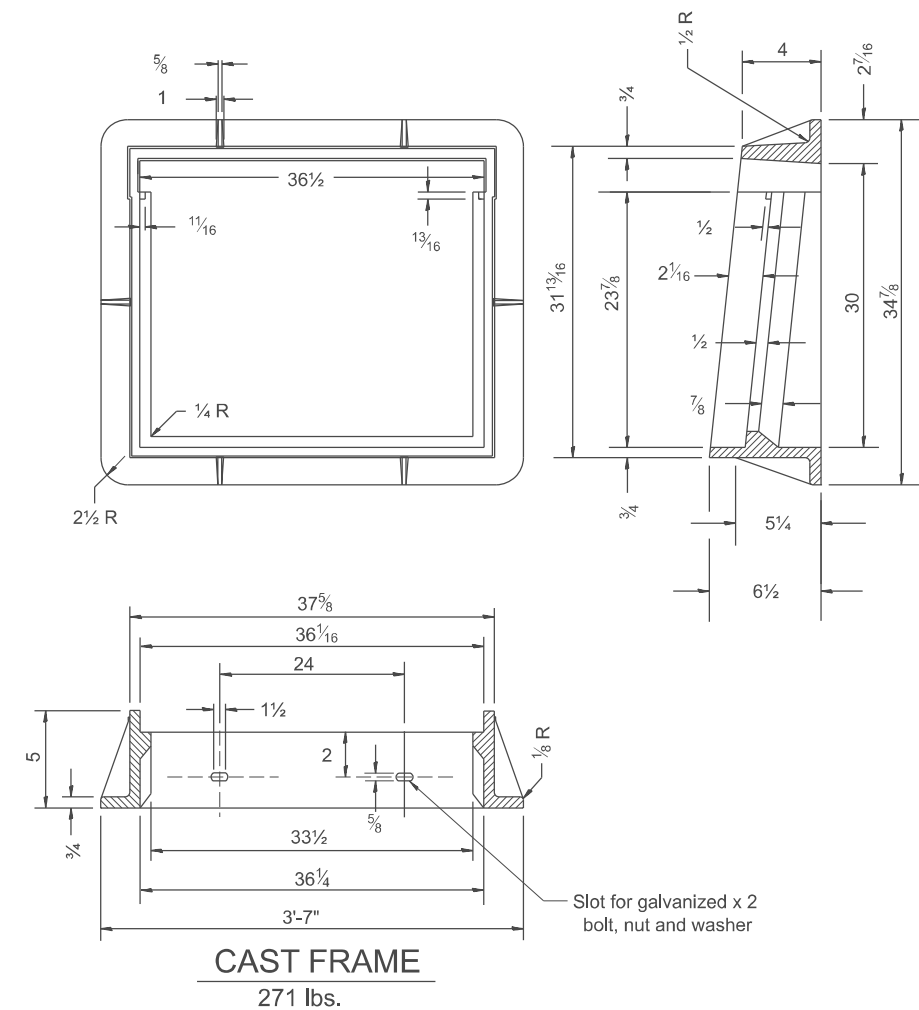
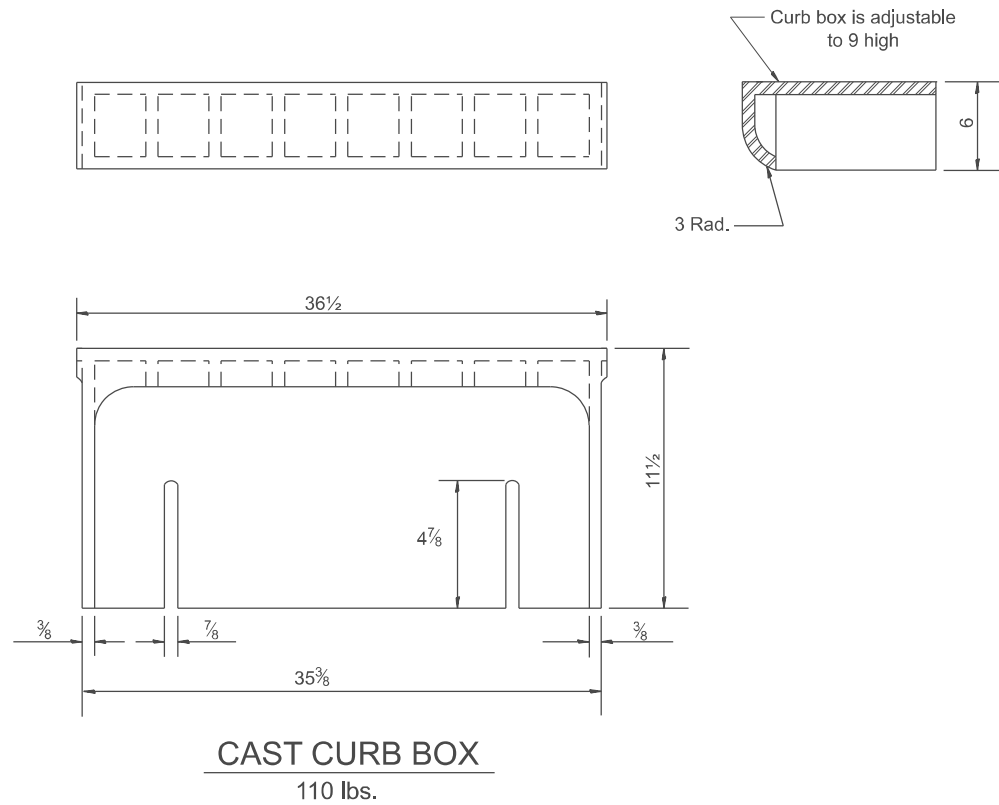
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INLETS, TYPE G-1, SPECIAL

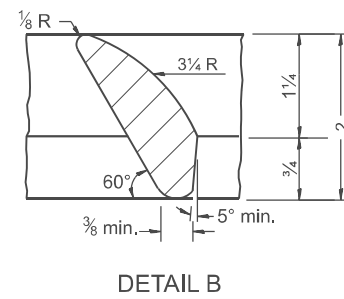
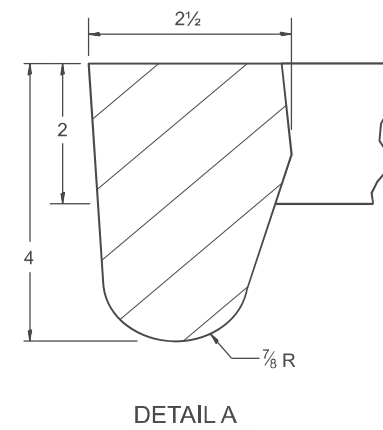
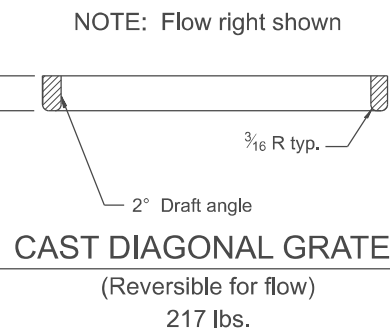
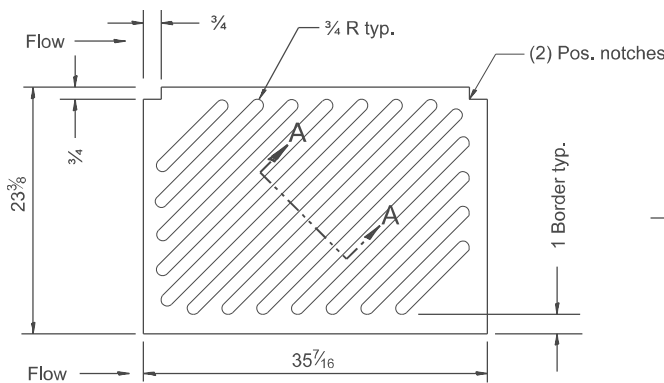
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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CAST VANE GRATES
(SPECIFY LEFT OR RIGHT FLOW)
230 lbs.



GENERAL NOTES

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.

All dimensions are in inches unless otherwise noted.

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USER NAME = BethCatt
DESIGNED -
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PLOT DATE = 6/22/2026
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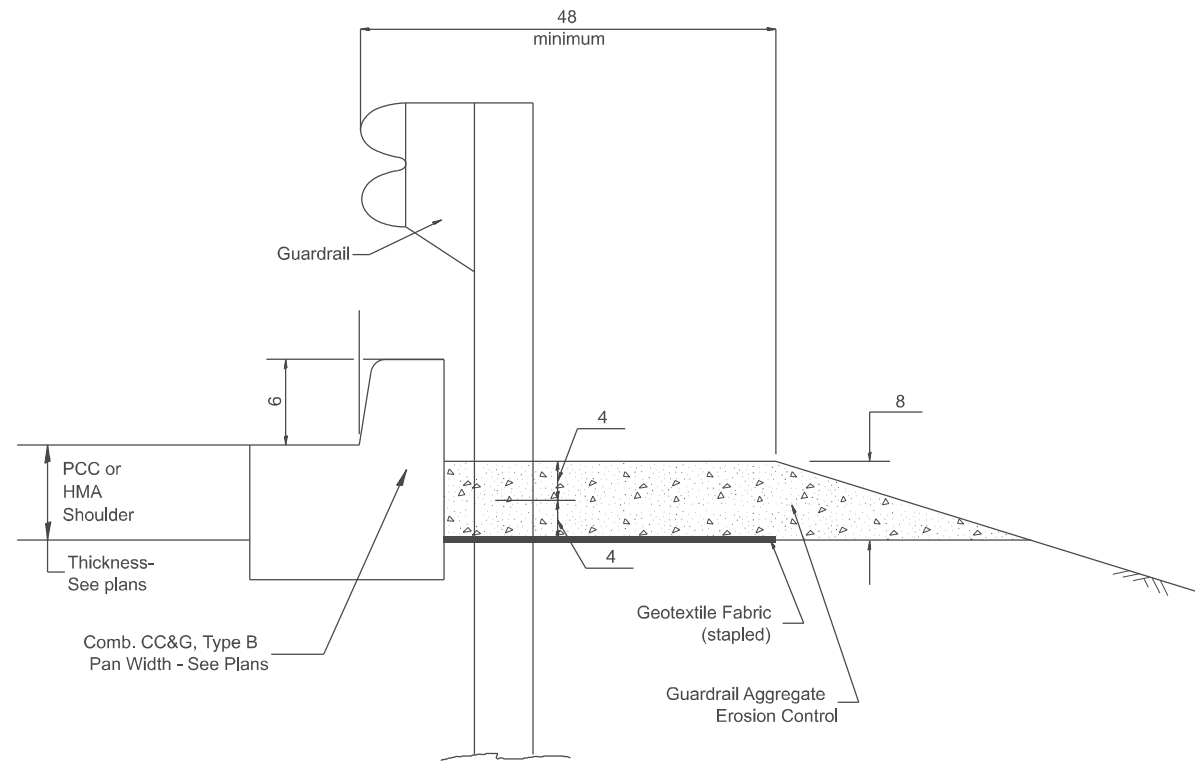
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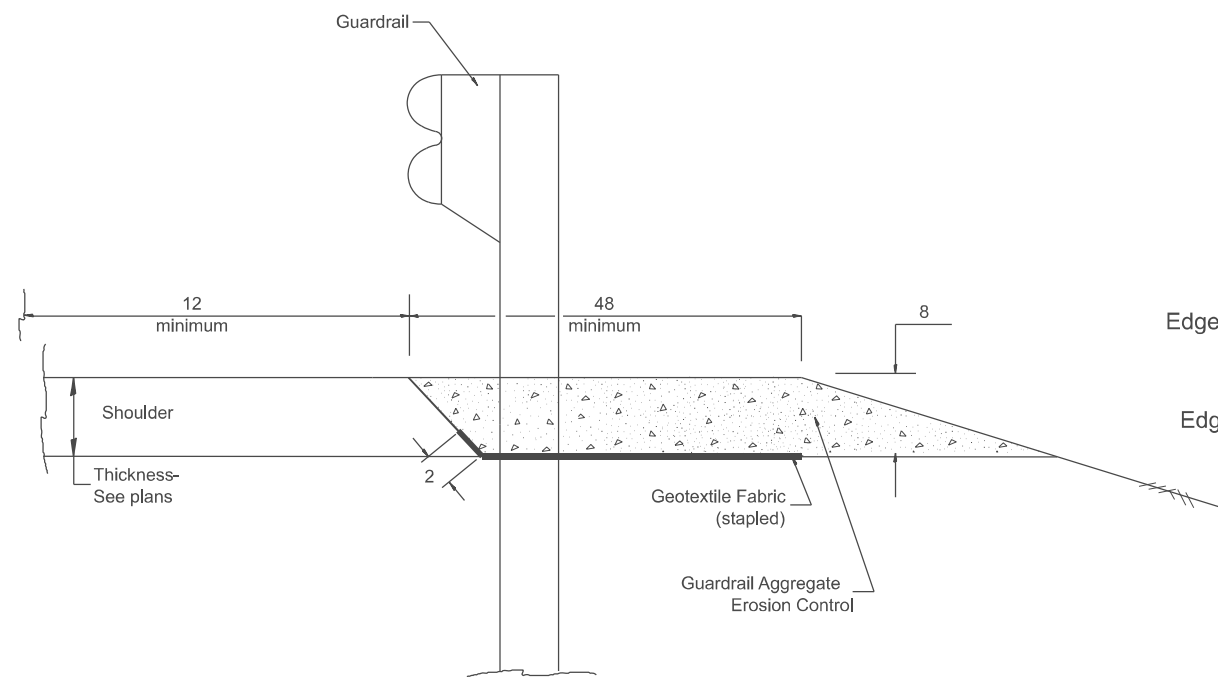
FRAME & GRATES FOR TYPE G-1 AND TYPE G-1,
SPECIAL DRAINAGE STRUCTURES

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	93
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



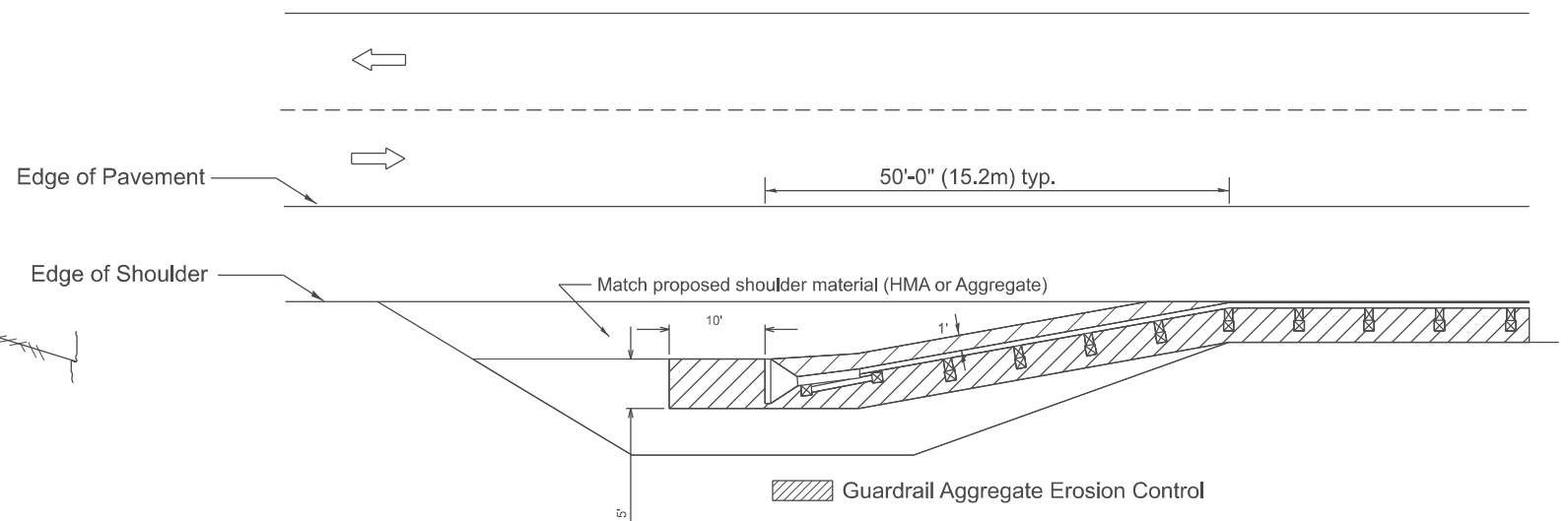
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12 minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



All dimensions are in inches unless otherwise noted.

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DRAWN -
CHECKED -
PLOT DATE = 6/22/2026

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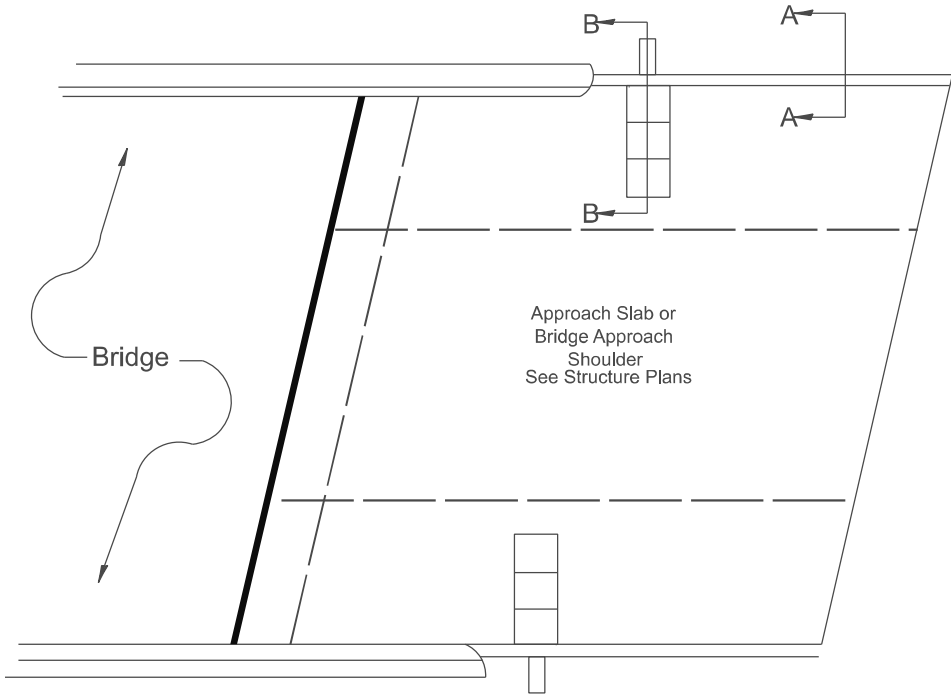
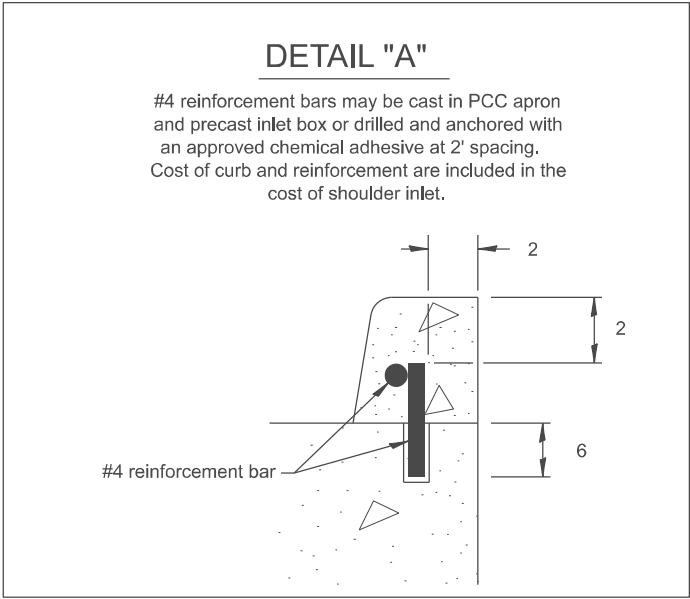
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

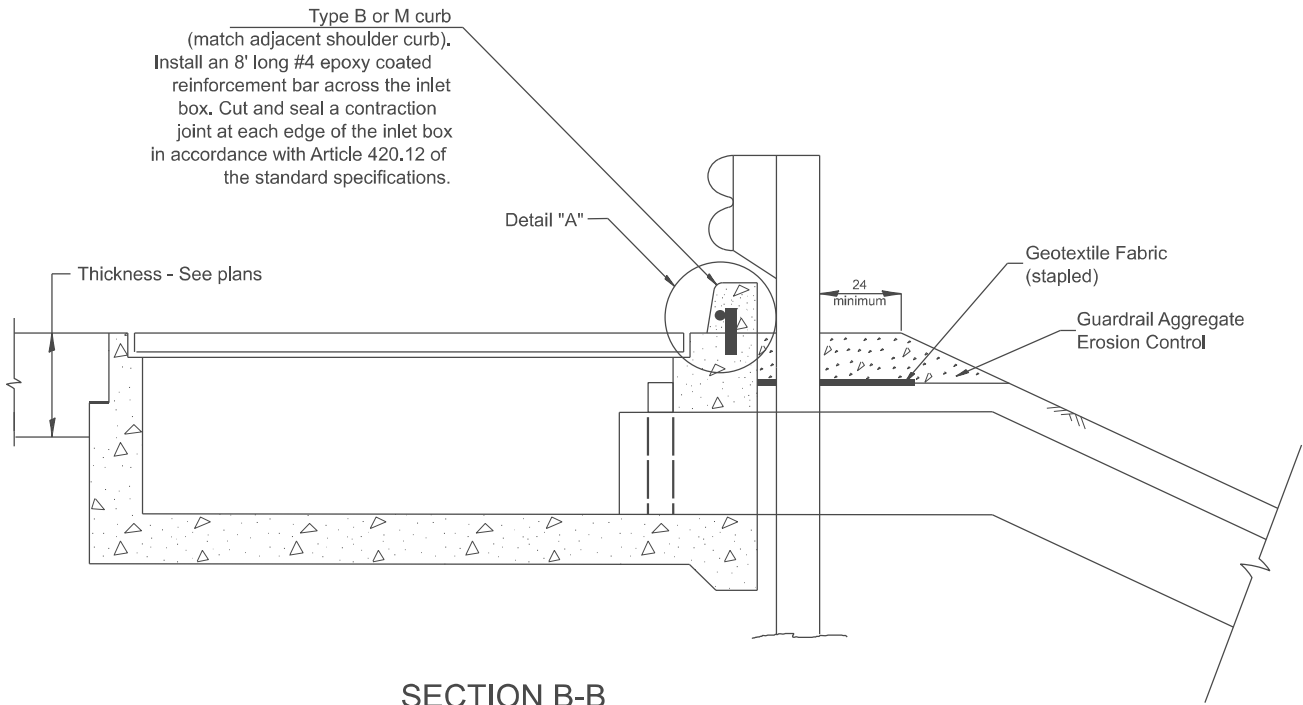
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	94
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

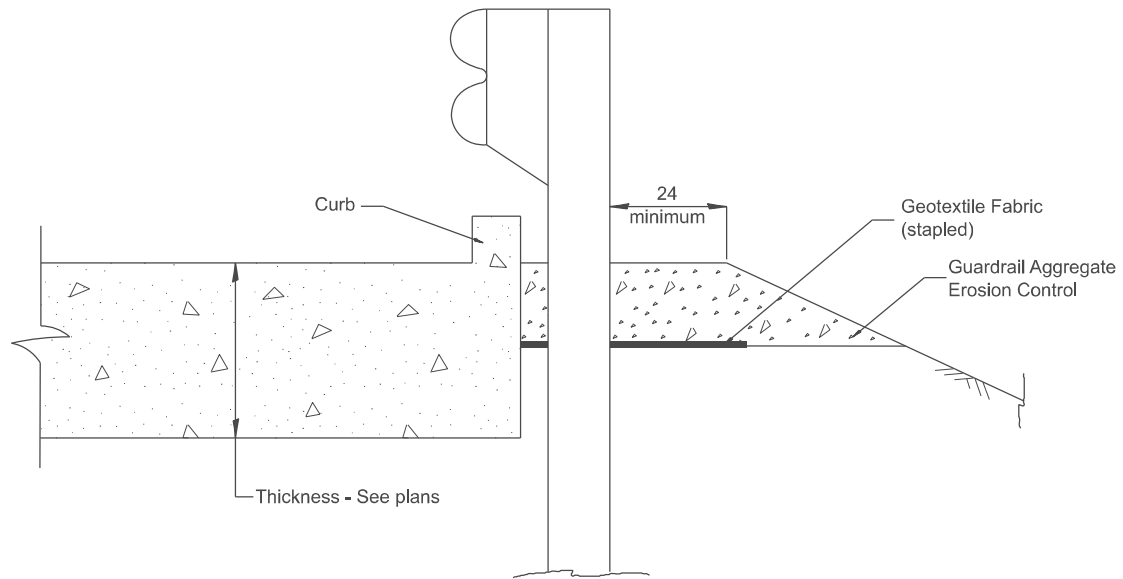
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PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

All dimensions are in inches unless otherwise noted.

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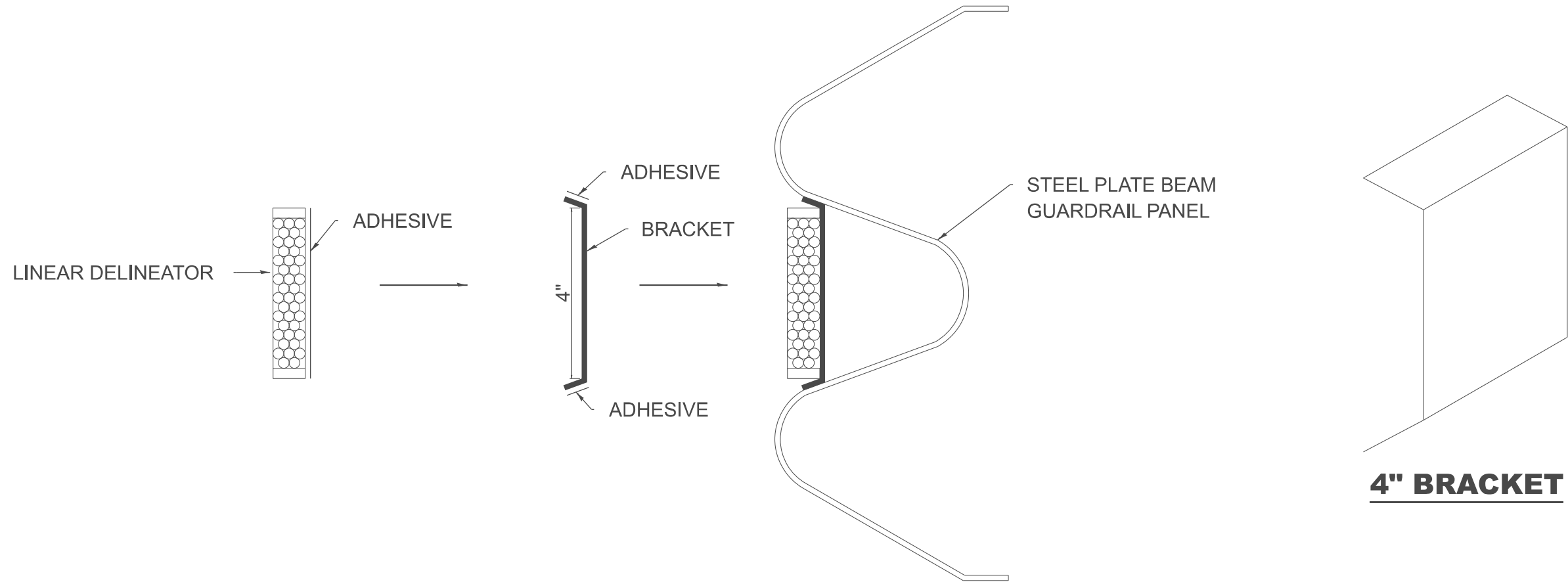
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PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

SCALE: SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	95
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



LINEAR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

LINEAR DELINEATOR SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS

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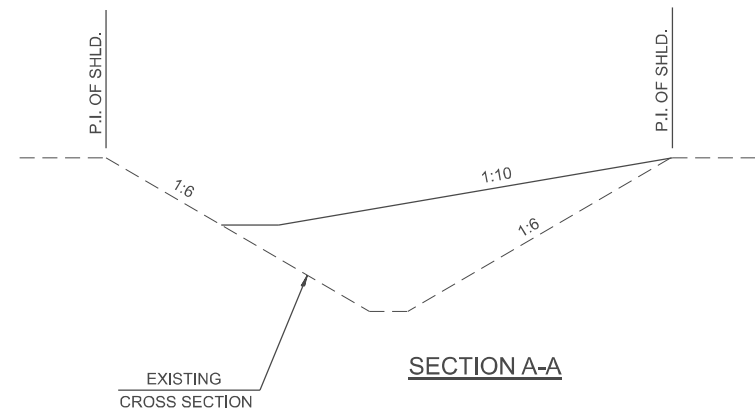
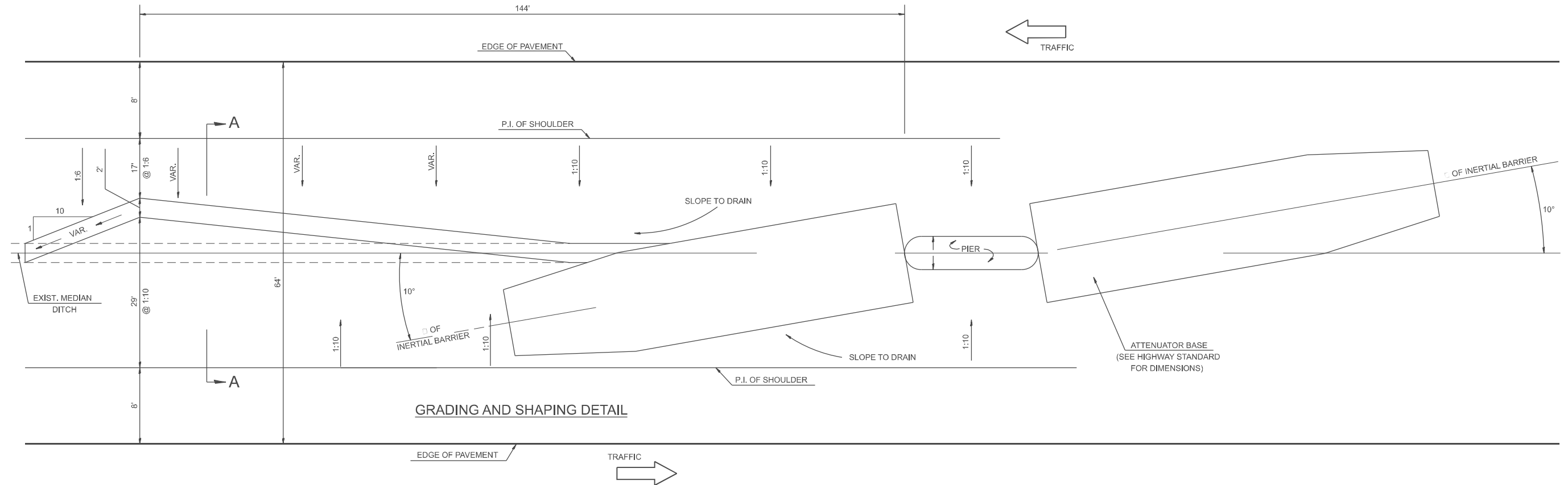
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PLOT DATE	= 6/22/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 9	OF 13	SHEETS	STA.	TO STA.
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	96
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

DETAIL OF INERTIAL BARRIERS **(70 MPH DESIGN - 64' MEDIAN)**



GENERAL NOTES

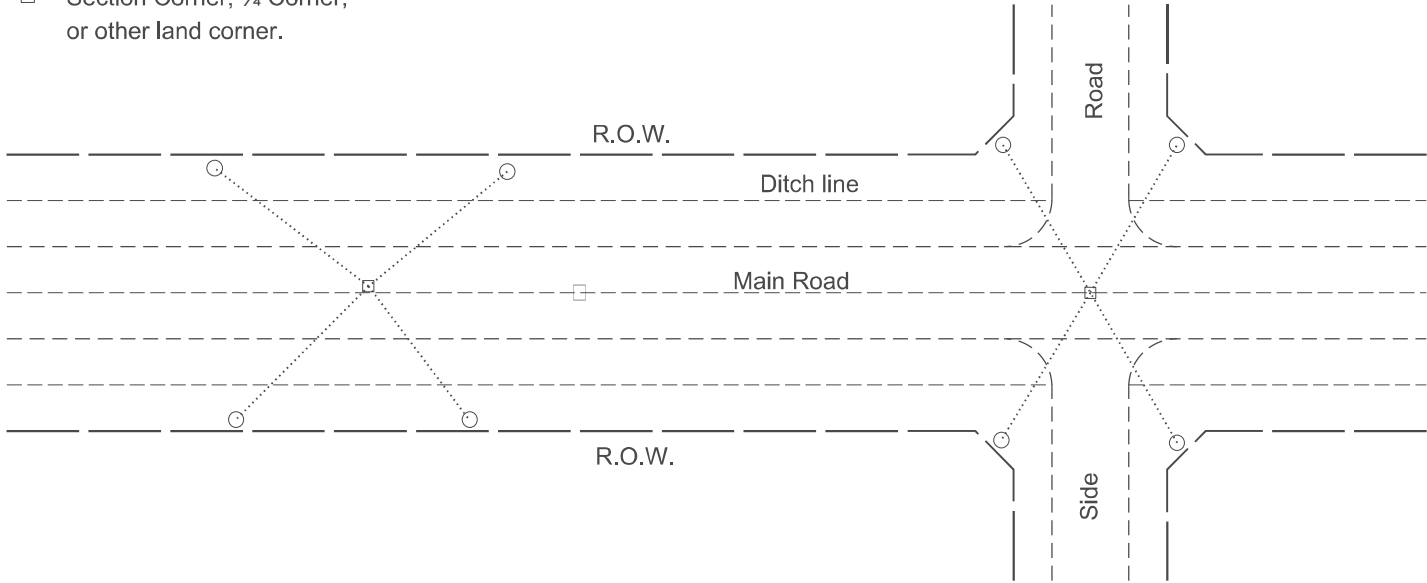
1. ALL 1:10 SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 1:10 OR FLATTER.
2. THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
3. ATTENUATOR BASE AND BARREL ARRAY SHALL BE INSTALLED IN ACCORDANCE WITH STATE STANDARD 643001 AND MANUFACTURER'S SPECIFICATIONS.
4. IN AREAS OF 1:10 SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' INTERVALS IN THE MEDIAN. SEE SPECIAL PROVISIONS AND SCHEDULES.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H)

All dimensions are in inches
unless otherwise noted.

PERMANENT SURVEY TIES

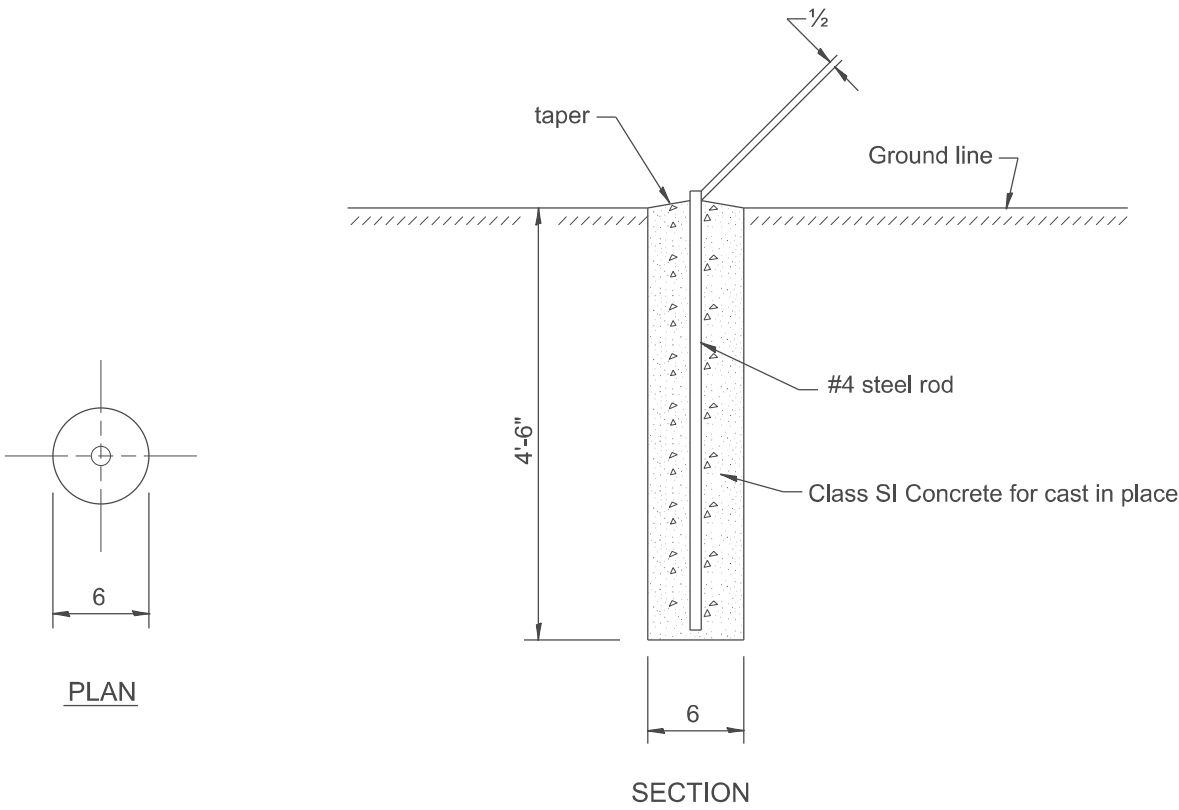
- Permanent Survey Tie
- Section Corner, ¼ Corner, or other land corner.



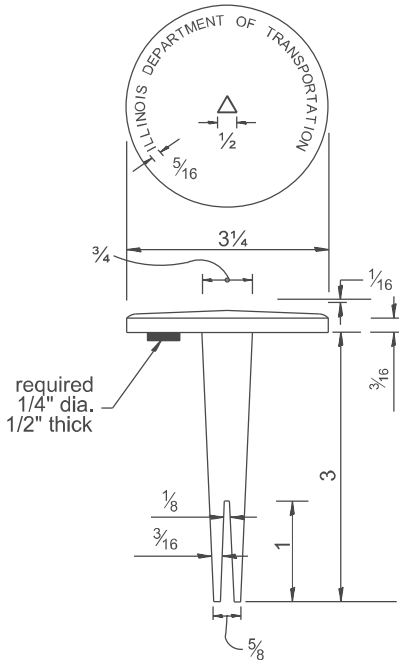
TYPICAL APPLICATION

GENERAL NOTES

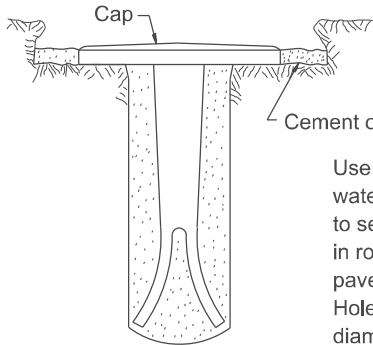
1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats after recordation.
4. All documentation shall be performed by a PLS
5. The metal tablet used on permanent survey markers shall be made of bronze.



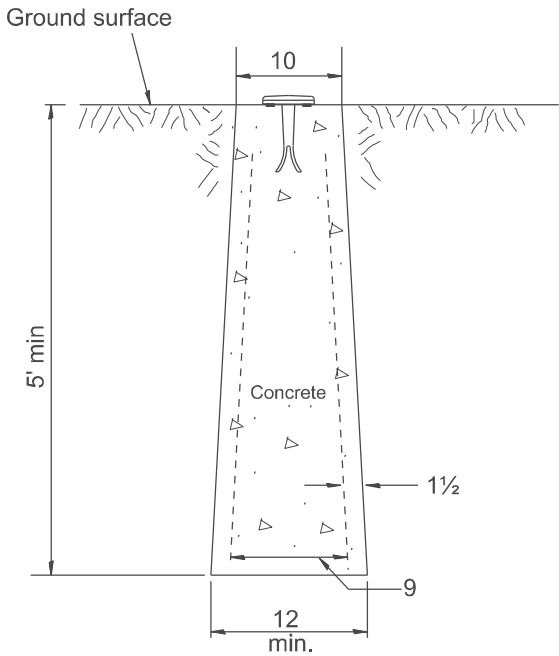
PERMANENT SURVEY MARKERS



BRASS TABLET



TYPE I



TYPE II
CAST-IN-PLACE MARKER

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 and a thickness of 1/4 or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000.
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.

All dimensions are in inches unless otherwise noted.

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USER NAME = BethCatt
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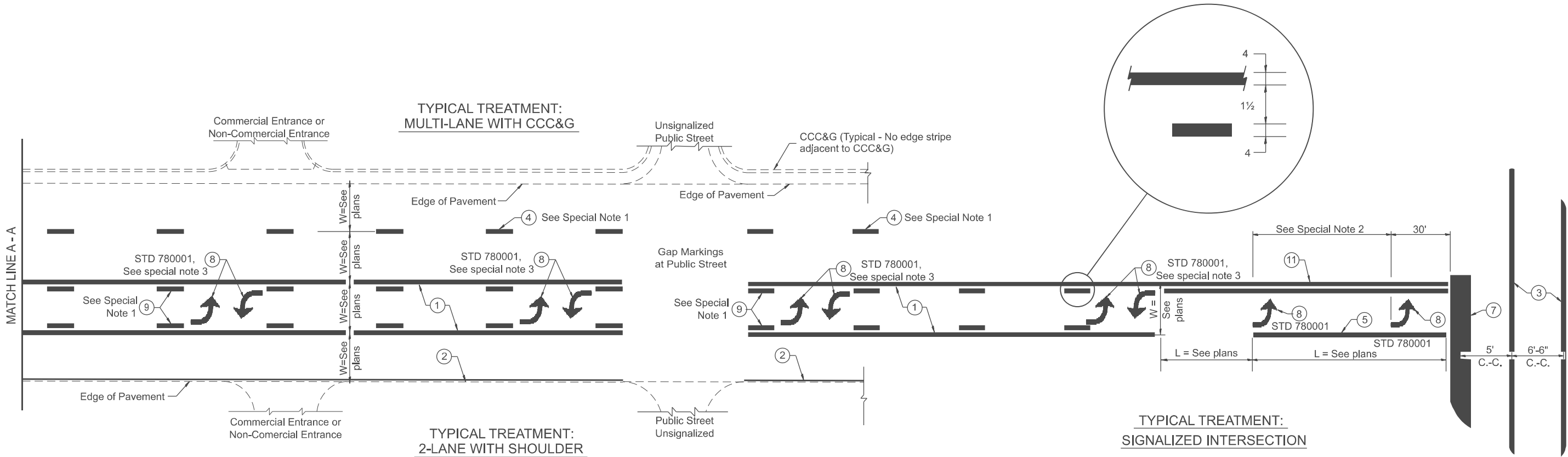
STATE OF ILLINOIS
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PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	98
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE
WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend.
Some elements may not apply to specific project.)

- ① 4 Solid (Yellow)
- ② Urban 4 Solid (White)
Rural 6 Solid (White)
- ③ 2-6 Crosswalk @ 6'-6" min C.-C. + 24" Bars with 24" Gap (White)
2-8 Crosswalk @ 6'-6" min C.-C. (White) (When traffic signals are present.)
- ④ 6 Skip-Dash (White)
- ⑤ 6 Solid (White)
- ⑥ 12 Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24 Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2, 3 & 5)
- ⑨ 4 Skip-Dash (Yellow)
- ⑩ 12 Diagonal (Yellow) (See Table A)
- ⑪ 4 Double Solid (Yellow)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
A. A minimum of two (2) arrows is required.
B. The maximum spacing between arrows is 80'.
C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
A. A minimum of two (2) arrow pairs is required.
B. The maximum spacing between arrow pairs is 200'.
C. Arrow pairs shall be evenly spaced if three (3) or more are required.
D. The spacing between Bi Directional Left Turn Arrows is 16'.

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.).
4. Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)
5. Use Large size arrows for Urban and Rural applications.
6. Pavement markings should be grooved in except on bridge decks.

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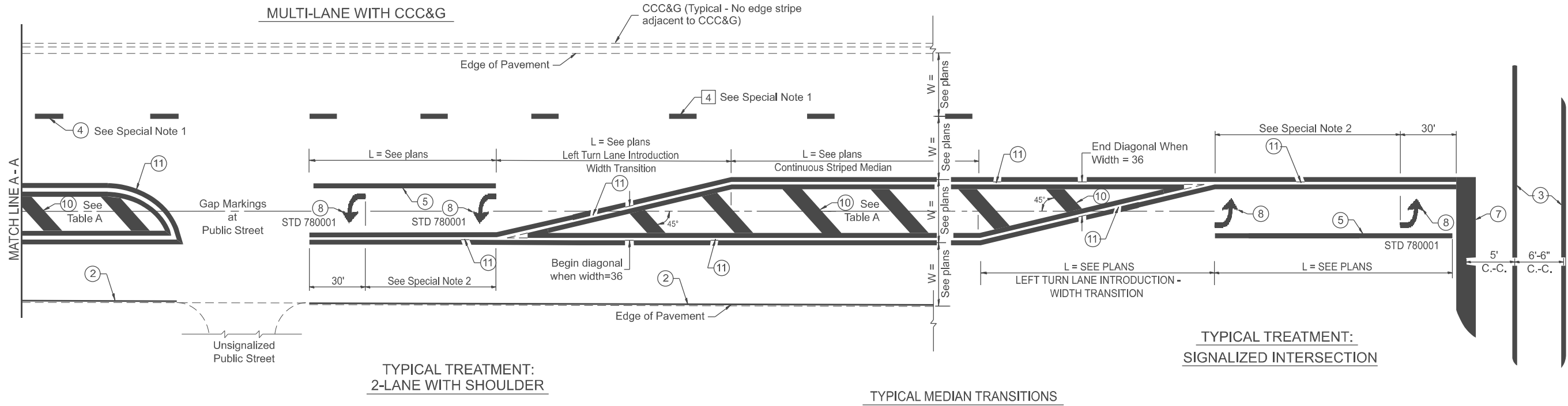
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DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

SCALE: SHEET 12 OF 13 SHEETS STA. TO STA.

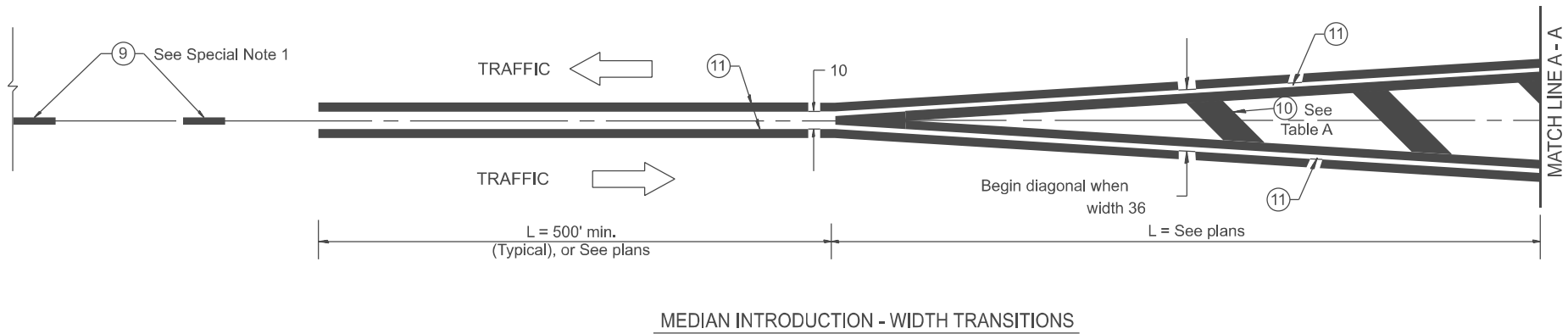
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474	(72-3HB-3)BR	PEORIA	108	99
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION
		(Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph	50'	15'
30 - 45 mph	75'	20'
Over 45 mph	150'	30'



All dimensions are in inches unless otherwise noted.

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DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

SCALE: SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	100
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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	CHECKED -	REVISED -
PLOT DATE = 6/22/2026	DATE -	REVISED -

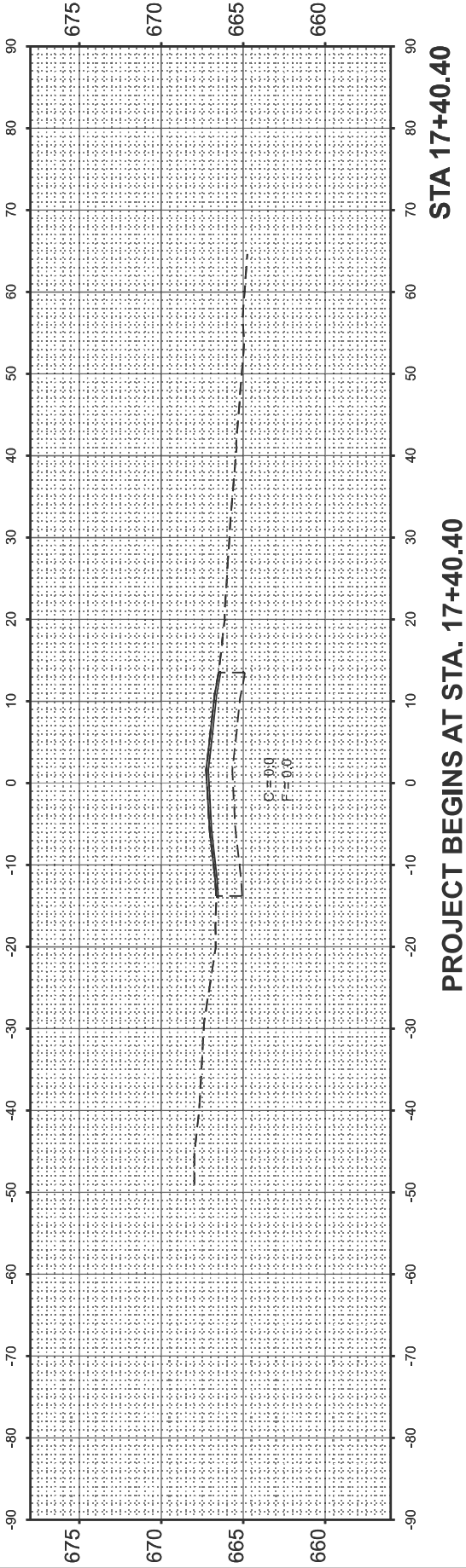
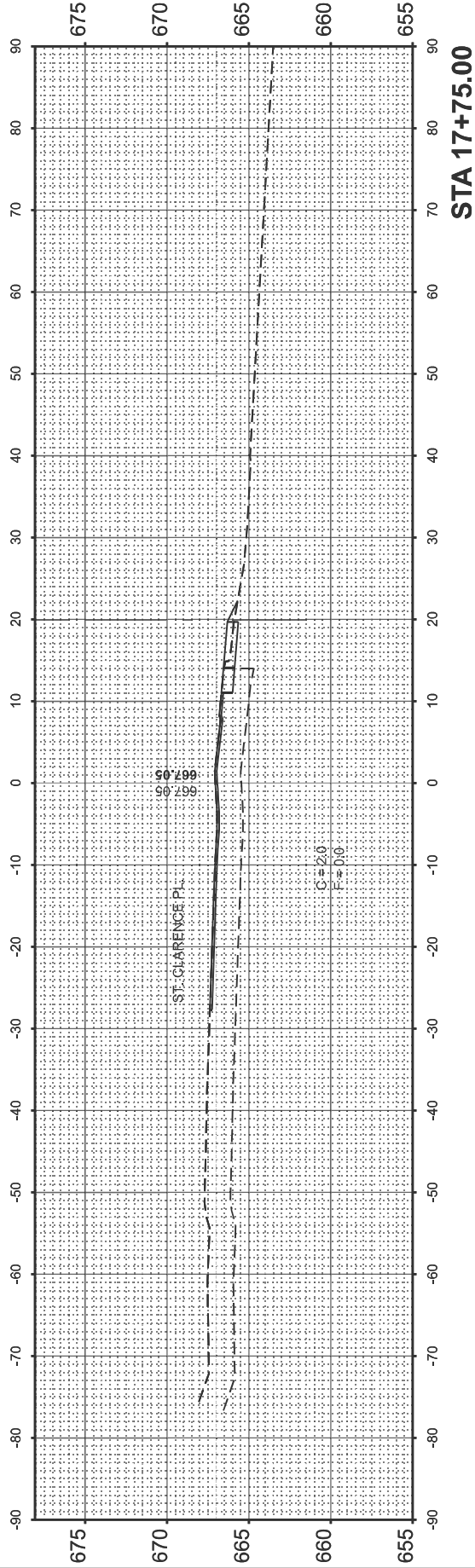
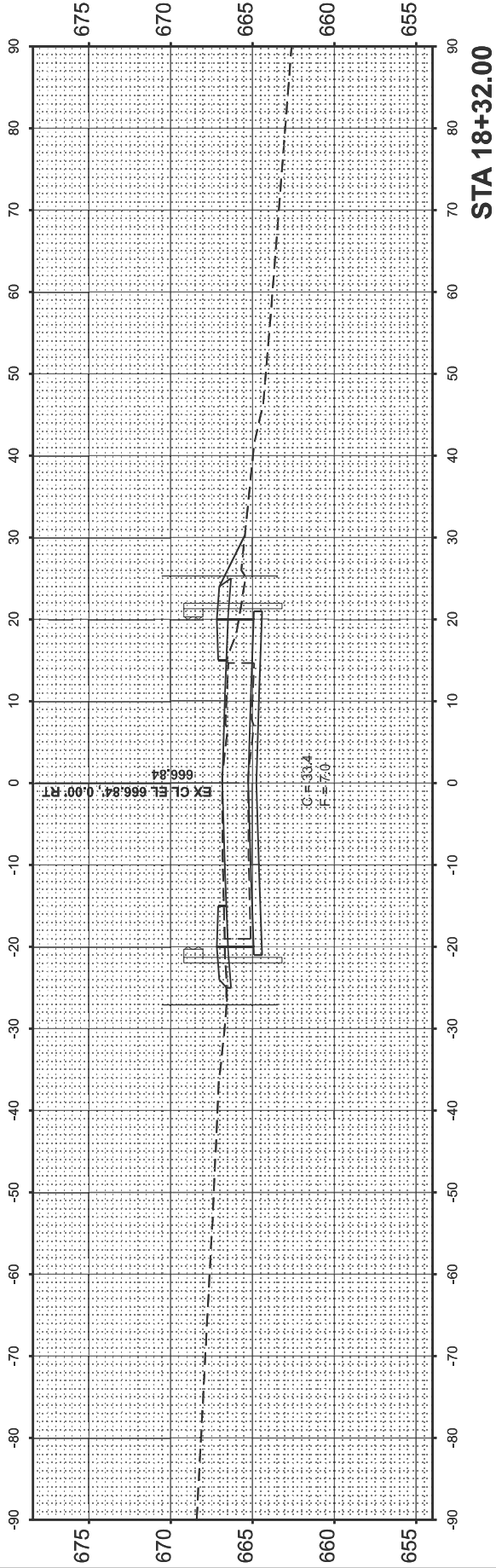
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLOSEN RD CROSS SECTIONS

SCALE: 1"=10' SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	101
CONTRACT NO. 68E86				
ILLINOIS		FED. AID PROJECT		

BEGIN BRIDGE OMISSION STA. 18+47.00



ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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		CHECKED	-	REVISED	-
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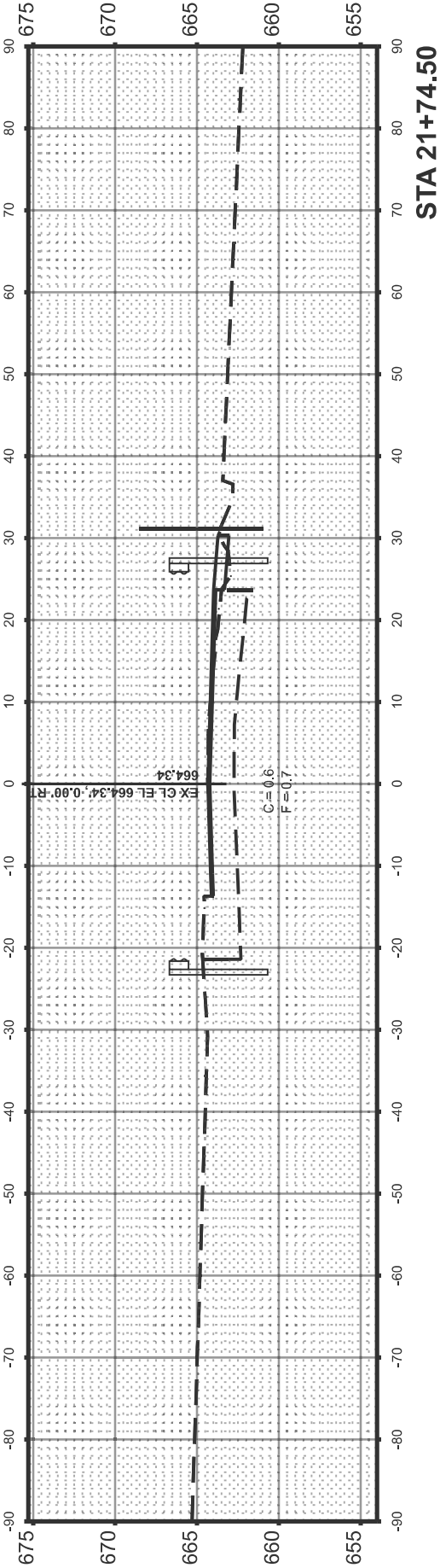
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLOSEN RD CROSS SECTIONS

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SHEET 2 OF 8 SHEETS
STA. TO STA.

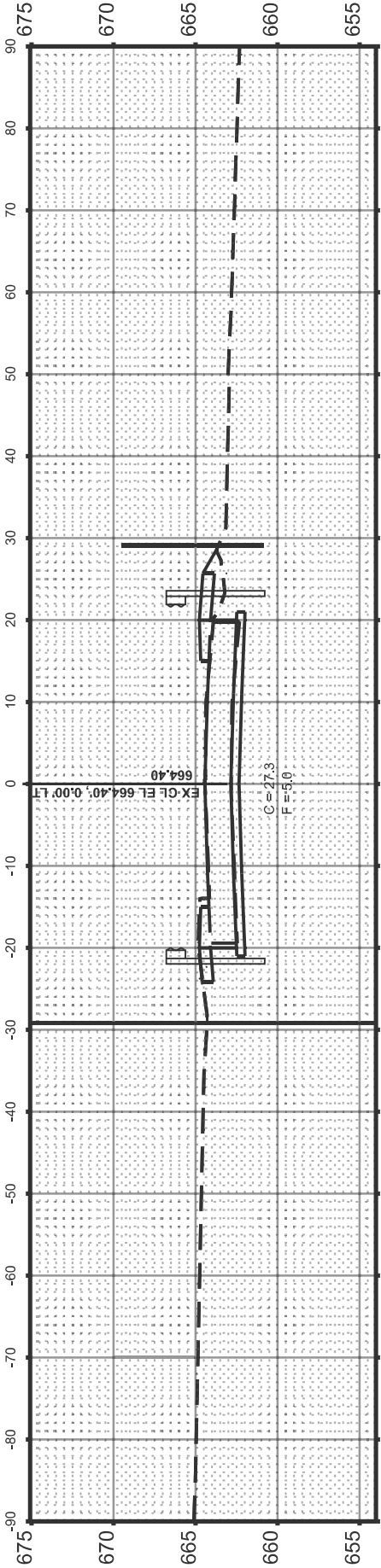
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474	(72-3HB-3)BR	PEORIA	108	102
CONTRACT NO. 68E86				
ILLINOIS		FED. AID PROJECT		

PROJECT ENDS STA. 21+74.50

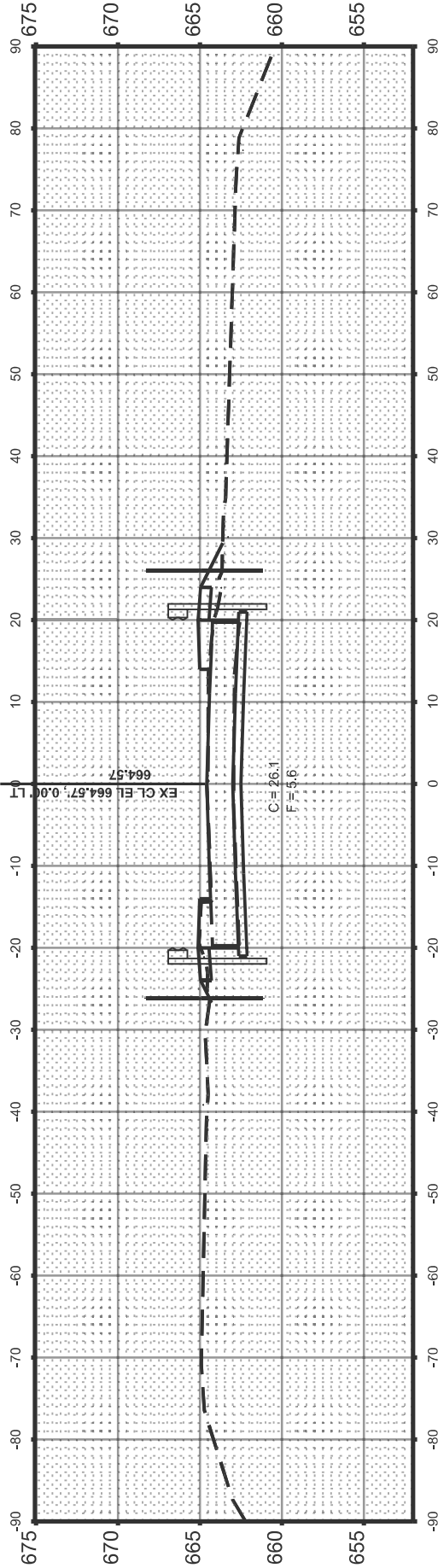


STA 21+74.50

STA 21+64.50



END BRIDGE OMISSION STA. 21+49.50



STA 21+49.50

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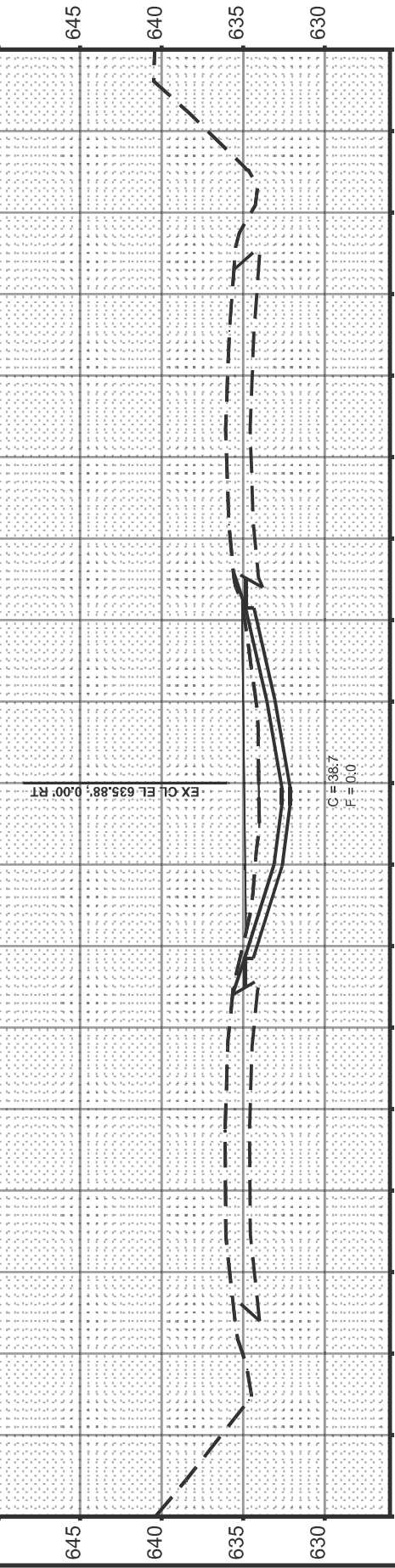
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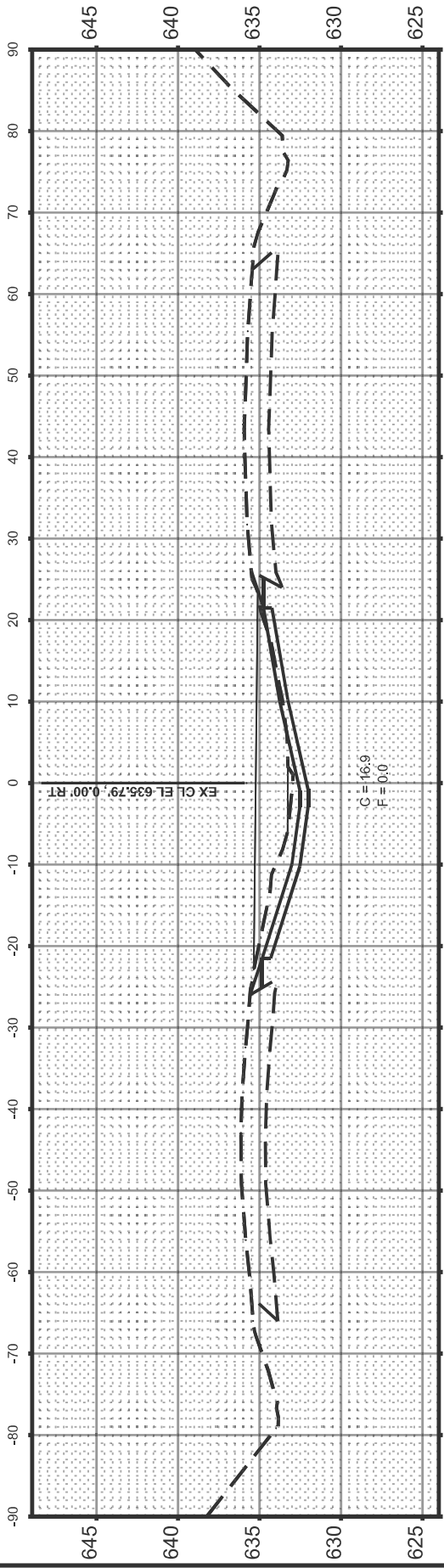
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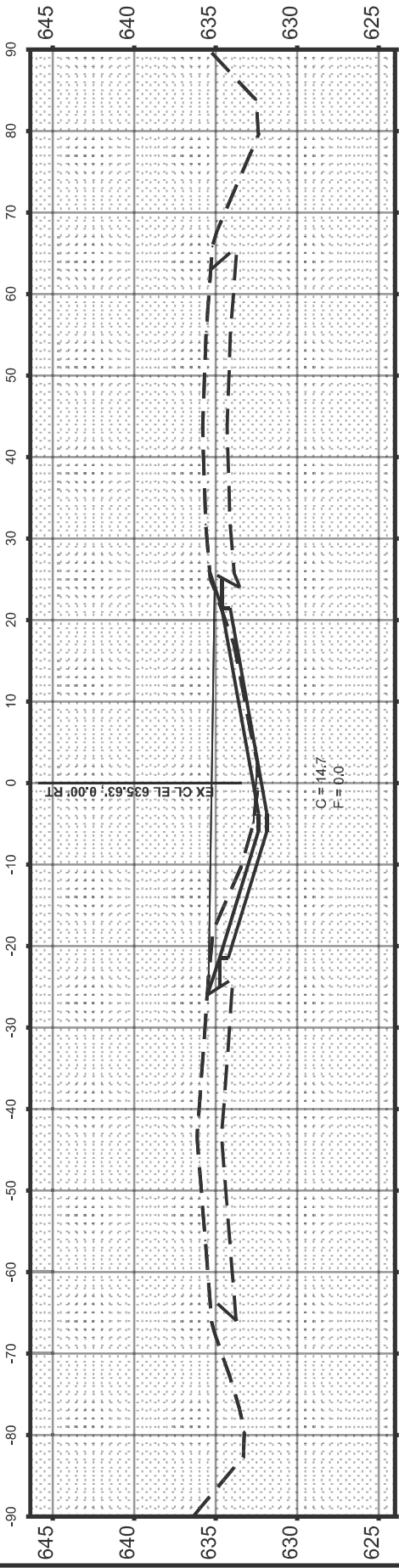
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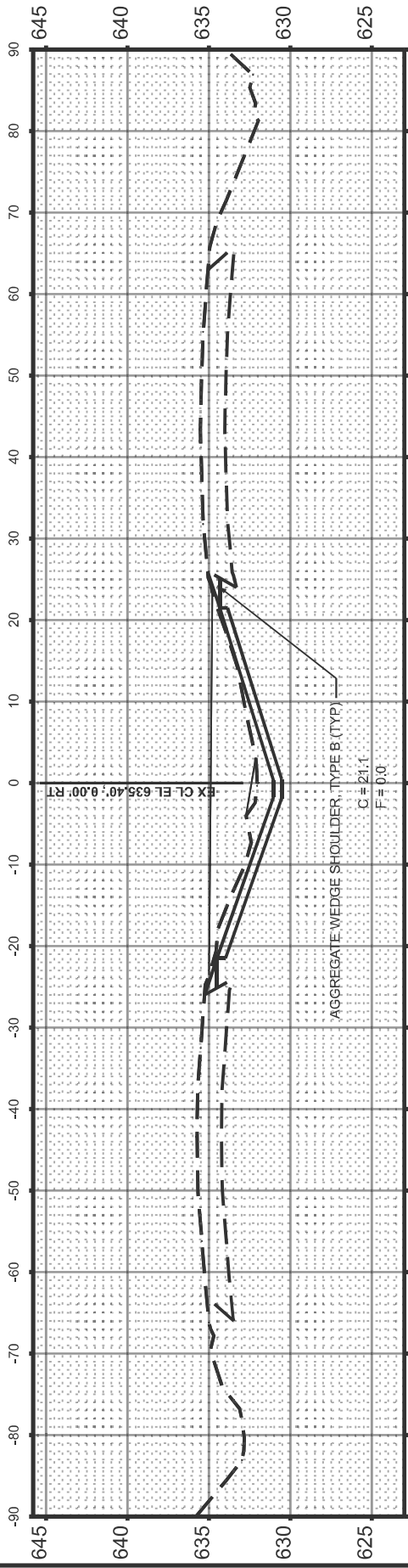
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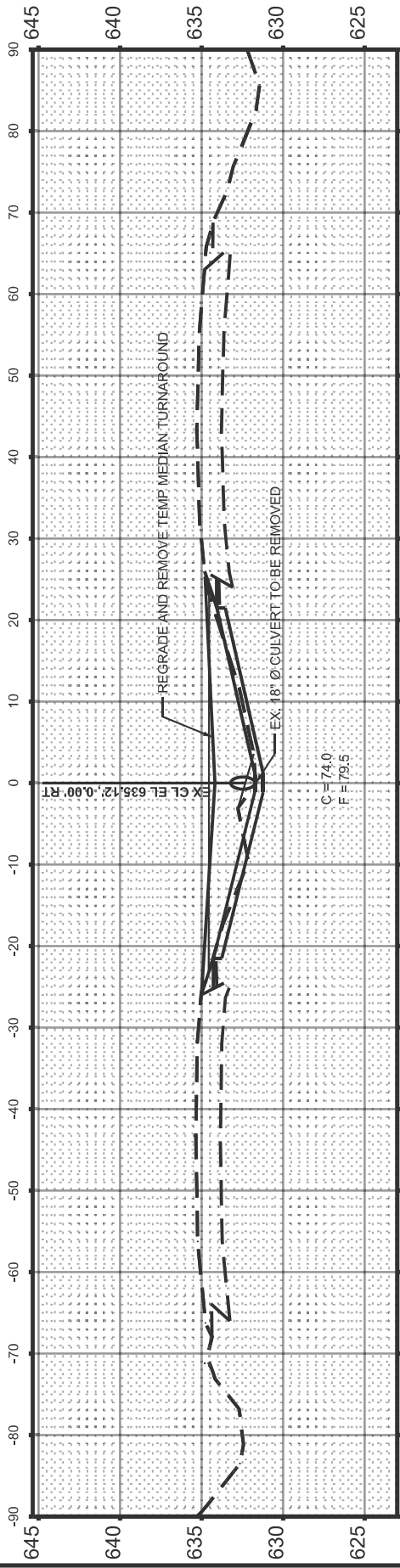
STA 236+50.00



STA 236+00.00



STA 235+50.00



STA 235+00.00

PROJECT BEGINS STA. 235+00

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REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-474 CROSS SECTIONS

SCALE: 1"=10'

SHEET 3

OF 8

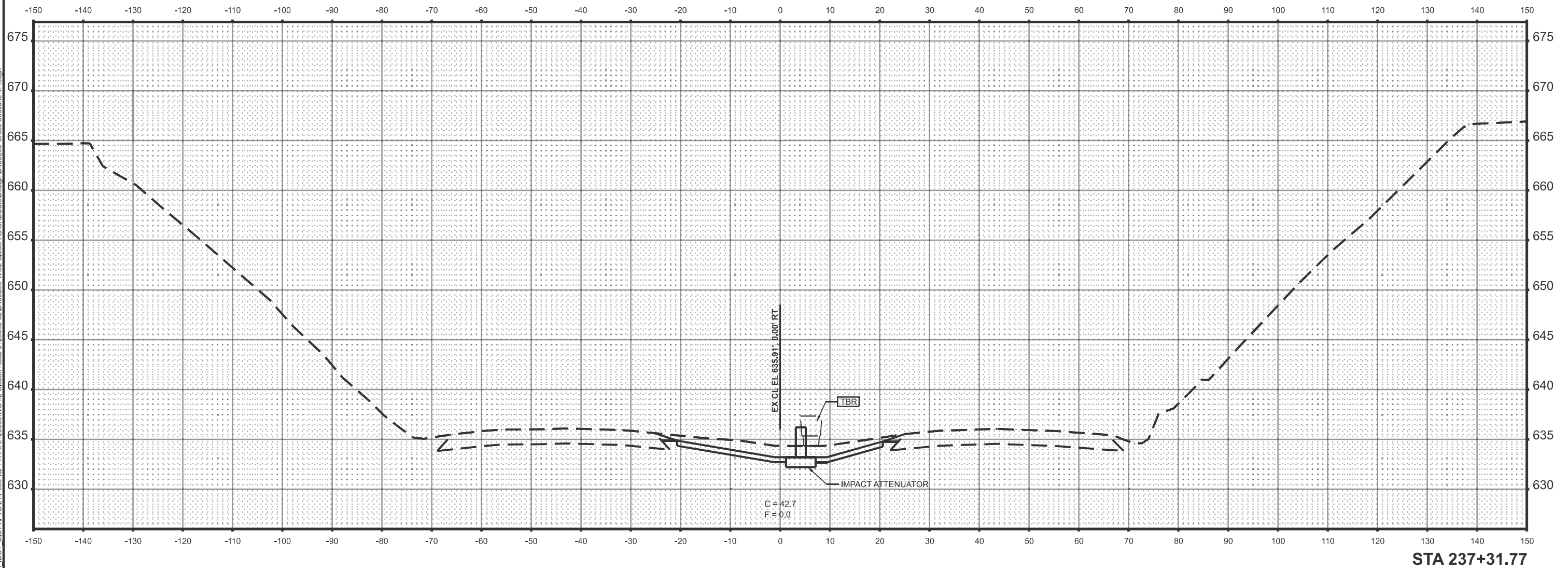
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	103
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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		CHECKED -	REVISED -
PLOT DATE	= 6/22/2026	DATE -	REVISED -

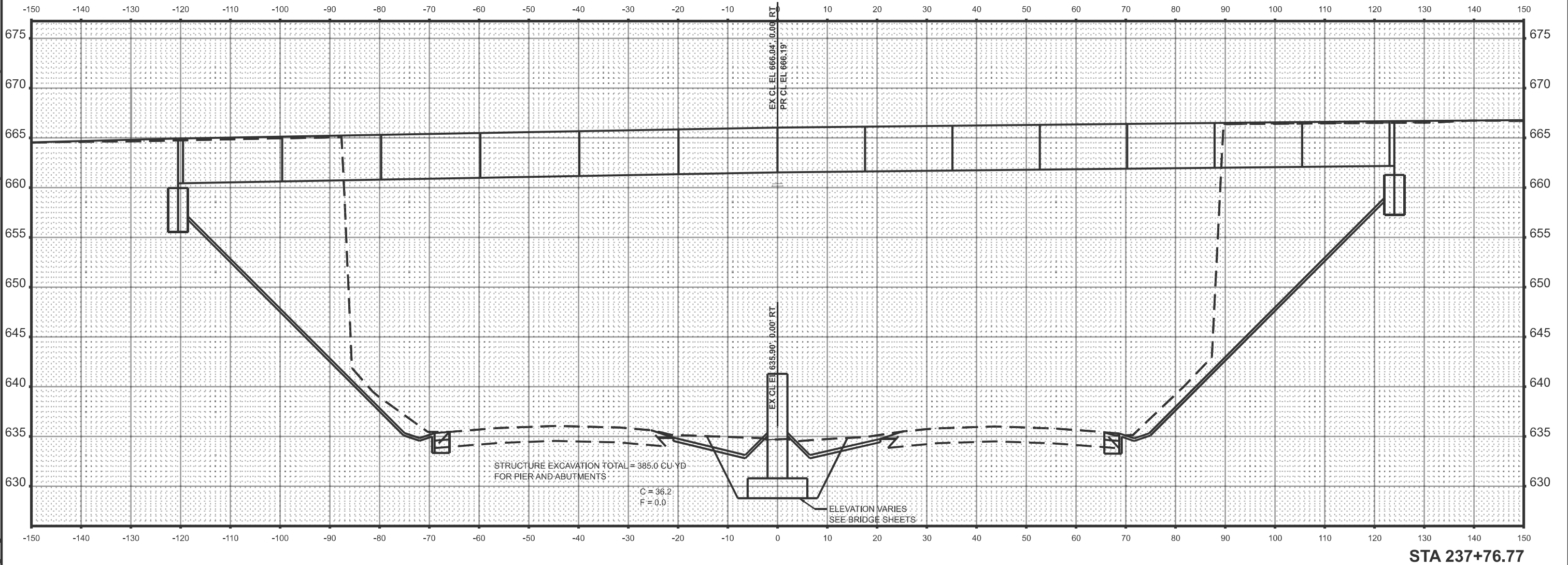
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-474 CROSS SECTIONS

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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	104
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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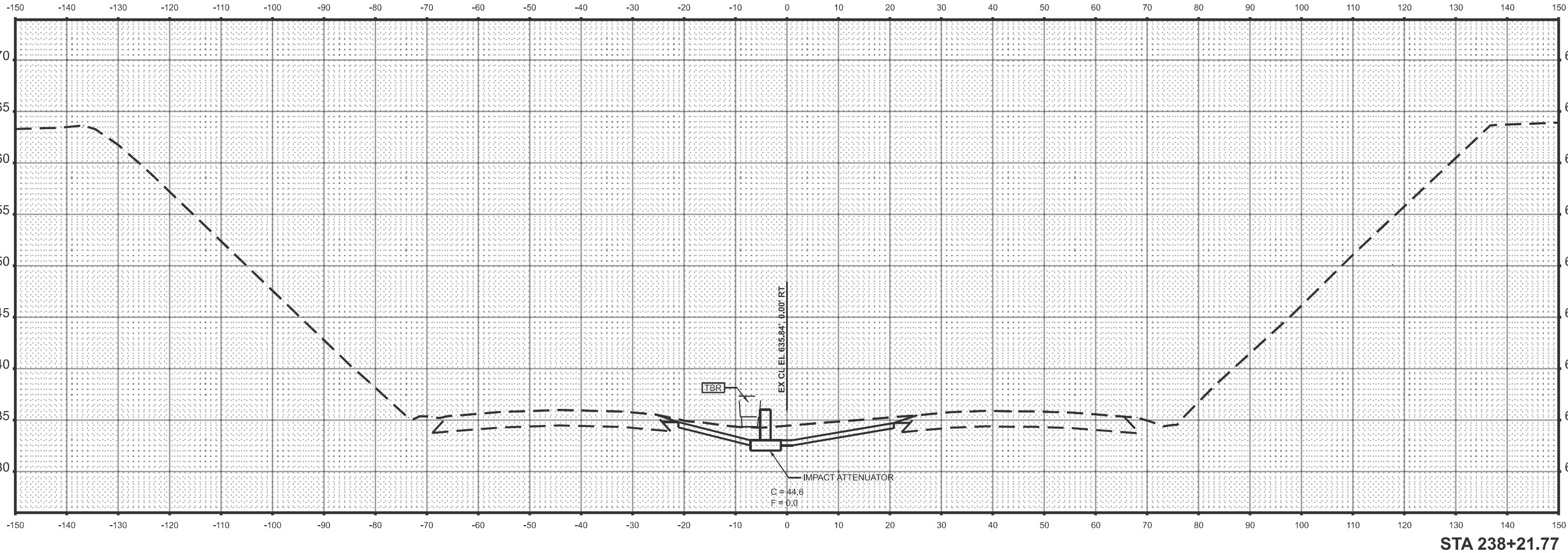
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I-474 CROSS SECTIONS

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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	105
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-474 CROSS SECTIONS

SCALE: 1"=10' SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	106
CONTRACT NO. 68E86				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVED _____	BY _____	DATE _____
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		
NOTE BOOK			
No. _____			

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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	107
		CONTRACT NO. 68E86		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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e-mail: upchurchgroup@upchurchgroup.com

USER NAME	= BethCatt	DESIGNED	-
		DRAWN	-
		CHECKED	-
PLOT DATE	= 6/22/2026	DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-474 CROSS SECTIONS

SCALE: 1"=10'	SHEET 8	OF 8	SHEETS	STA.	TO STA.
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-3)BR	PEORIA	108	108
CONTRACT NO. 68E86				
ILLINOIS		FED. AID PROJECT		

PROJECT ENDS STA. 240+00.00

