

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	1
		ILLINOIS	CONTRACT NO. 72601	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

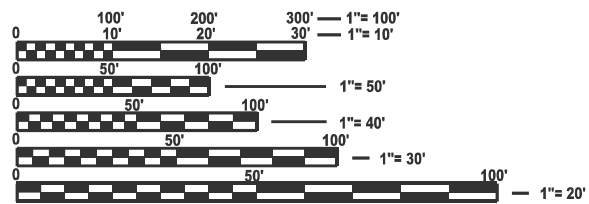
FAI ROUTE 72 (I-72)
SECTION (75-3VHB-1)BDR,BP,BJR
PROJECT BR-6KSJ(582)
BRIDGE DECK OVERLAY, JOINT REPLACE/REPAIR, PAINTING
PIKE COUNTY

C-96-008-23

ROADWAY CLASSIFICATION:
INTERSTATE

CRS:
6.0 (2023)

AVERAGE DAILY TRAFFIC:
ADT - 9,400 (2023)
(MU = 31.91%, SU = 3.46%, PV = 64.63%)

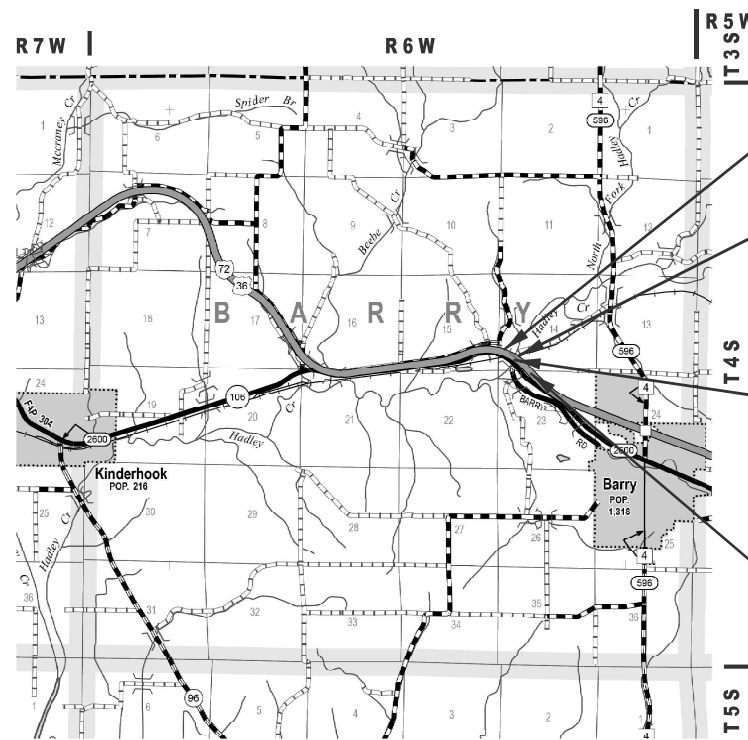


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BRIAN LANINGHAM (217) 782-6990
PROJECT MANAGER: RENE CABRERA (217) 558-5140

CONTRACT NO. 72601



PROJECT BEGINS
STA. 966+45.00

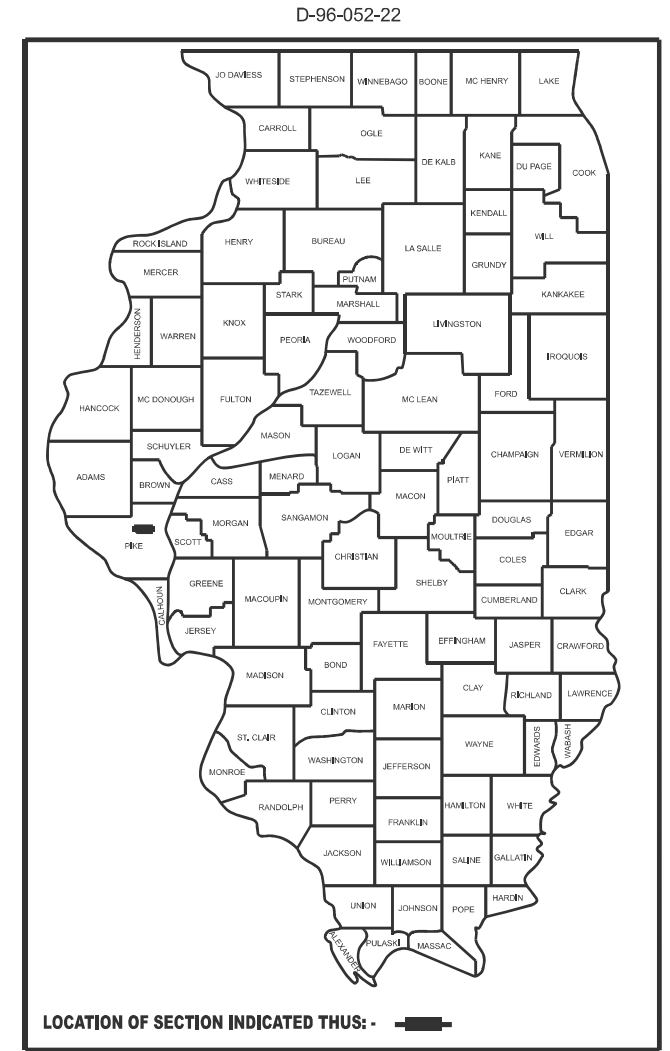
I-72 WESTBOUND STRUCTURE:
S.N. 075-0099
OVER TR 92, NORFOLK
SOUTHERN MIDWEST DIVISION,
HADLEY CREK, TR 149
MILEPOST (DH-498.12)
STA. 974+59.00

I-72 EASTBOUND STRUCTURE:
S.N. 075-0098
OVER TR 92, NORFOLK
SOUTHERN MIDWEST DIVISION,
HADLEY CREK, TR 149
MILEPOST (DH-498.12)
STA. 974+66.00

PROJECT ENDS
STA. 983+20.00



LOCATION MAP
GROSS LENGTH = 1,675 FT. = 0.317 MILE
NET LENGTH = 1,675 FT. = 0.317 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 27 2026
Teresa C. Price
REGIONAL ENGINEER

May 8 2026
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2026
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MIXTURE REQUIREMENTS

INDEX OF SHEETS

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28	BUTT JOINT DETAILS
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37 - 56	BRIDGE PLANS

MAINLINE HMA BINDER, SURFACE, AND SHOULDERS			
MIXTURE USE(S):	HMA SURFACE COURSE	HMA BINDER COURSE	HMA SHOULDERS
PG:	SBS PG 70-22	SBS PG 70-22	SBS PG 64-22
DESIGN AIR VOIDS:	4.0% @ N90	4.0% @ N90	4.0% @ N50
MIXTURE COMPOSITION	IL - 9.5	IL - 9.5 FG	IL - 9.5
FRICTION AGGREGATE:	MIX "D"	MIX "C"	MIX "C"
MIXTURE WEIGHT	112 LB/SQ IN	112 LB/SQ IN	112 LB/SQ IN
QUALITY MANAGEMENT	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A
MTD REQUIRED	NO	NO	NO

NOTE:
NUCLEAR GAUGE WILL BE USED FOR DENSITY VERIFICATION BY THE ENGINEER ON ALL QC/QA ITEMS.

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
482011-03	HMA SHOULDER STRIPS / SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
483001-06	PCC SHOULDER
606001-09	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
610001-09	SHOULDER INLET WITH CURB
630001-13	STEEL PLATE BEAM GUARDRAIL
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15 FT TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15 FT AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701400-12	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY / EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

APPLICATION RATES

HMA SURFACE / BINDER	0.056 TONS / (SQ YD * INCH)
BITUMINOUS MATERIALS - TACK	0.05 LB / SQ FT (MILLED SURFACE)
BITUMINOUS MATERIALS - TACK	0.025 LB / SQ FT (BETWEEN LIFTS)
AGGREGATES (TY B & TY C)	1.60 TONS / CU YD

COMMITMENTS

NONE

GENERAL NOTES

1. SYNTHETIC FIBERS ARE NOT REQUIRED IN THE BRIDGE DECK MICROSILICA CONCRETE OVERLAY.
2. THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE, OR RAP.
3. THE CONTRACTOR SHALL USE TYPE IV PAVEMENT MARKING TAPE AS SHORT-TERM PAVEMENT MARKING ON THE SURFACE LIFT.
4. ONE CALL SERVICED DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE 2 DAYS IN ADVANCE OF WORK AT THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE THE RAILROAD'S UNDERGROUND FACILITIES. UPON REQUEST FROM THE CONTRACTOR OR SPONSOR, RAILROAD FORCES WILL LOCATE AND PAINT MARK OR FLAG THE RAILROAD'S UNDERGROUND FACILITIES THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE FACILITIES. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD FACILITY, THE CONTRACTOR SHALL COORDINATE WITH THE RAILROAD TO HAVE THE FACILITY POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION. THE FACILITY SHALL BE PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF THE RAILROAD'S REPRESENTATIVE. (SEE NS PUBLIC PROJECTS MANUAL, APPENDIX E, SECTION 3 D).
5. (SEE NS PUBLIC PROJECTS MANUAL, APPENDIX E, SECTIONS 2 AND 3, AND APPENDIX H1, SECTIONS 8.F AND 8.G): THE CONTRACTOR SHALL NOT COMMENCE ANY WORK ON RAILROAD RIGHTS-OF-WAY UNTIL HE HAS COMPLIED WITH THE CONDITIONS PRESENTED ON NS PUBLIC PROJECTS MANUAL (SEE APPENDIX E, NORFOLK SOUTHERN - SPECIAL PROVISIONS FOR PROTECTION OF RAILWAY INTERESTS).
6. THE CONTRACTOR SHALL SO ARRANGE AND CONDUCT HIS WORK THAT THERE WILL BE NO INTERFERENCE WITH RAILROAD'S OPERATIONS. WHENEVER WORK IS LIABLE TO AFFECT THE OPERATIONS OR SAFETY OF TRAINS, THE METHODS OF DOING SUCH WORK SHALL FIRST BE SUBMITTED TO THE RAILROAD ENGINEER FOR APPROVAL, BUT SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY. RIGHT-OF-WAY AND/OR SECURITY FENCE SHALL BE PROVIDED AS DIRECTED BY THE NS PUBLIC PROJECT ENGINEER.
7. FOR POWER TO THE NEW RWIS AND DISCONNECT FROM THE OLD RWIS CONTACT AMEREN TIM SCHIERL SENIOR DISTRIBUTION DESIGN SPECIALIST TSCHIERL@AMEREN.COM 217-370-0775
8. FOR RWIS REMOVAL CONTACT KEITH DONOVAN MAINTENANCE OPERATIONS ENGINEER KEITH.DONOVAN@ILLINOIS.GOV 217-782-8414

Jacob Watson
 Engineer Public Improvements
 Norfolk Southern Corporation
 650 Peachtree Street, NW, Box 45
 Atlanta, GA 30308
 470-463-6778 (o)
 jacob.watson@nscorp.com

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	March 9, 20 26 <i>J. C. Schierl</i> ENGINEER OF OPERATIONS
EXAMINED	March 6, 20 26 <i>Keith P. Donovan</i> ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED	March 20, 20 26 <i>M. J. [Signature]</i> ENGINEER OF PROGRAM DEVELOPMENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, SHEET INDEX, & HIGHWAY STANDARDS
 FAI 72 (I-72)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	2
CONTRACT NO. 72601				
ILLIN. FED. AID PROJECT				

6-01068-0000
 BFP FUNDING
 90% FEDERAL
 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	
				0047	RURAL
28200200	FILTER FABRIC	SQ YD	15	15	
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	10	10	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,648	1,648	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,244	1,244	
40600990	TEMPORARY RAMP	SQ YD	107	107	
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	41	41	
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	112	112	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	32	32	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	136	136	
50102400	CONCRETE REMOVAL	CU YD	10.8	10.8	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	11	11	
50300300	PROTECTIVE COAT	SQ YD	12,022	12,022	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,480	1,480	
50800515	BAR SPLICERS	EACH	24	24	

* - INDICATES PAY ITEM REQUIRES A SPECIAL PROVISION

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USER NAME = jacob.drainer	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES FAI 72 (I-72)			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		72	(75-3VHB-1)BDR,BP,BJR	PIKE	58	3			
	CHECKED -	REVISED -					CONTRACT NO. 72601				
PLOT DATE = 3/26/2026	DATE -	REVISED -		SCALE:	SHEET 1 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

6-01068-0000
 BFP FUNDING
 90% FEDERAL
 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	
				0047	RURAL
* 53101002	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	12,697	12,697	
* 53101610	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"	SQ YD	12,697	12,697	
60100945	PIPE DRAINS 12"	FOOT	47	47	
60500060	REMOVING INLETS	EACH	2	2	
60600605	CONCRETE CURB, TYPE B	FOOT	30	30	
61000115	TYPE E INLET BOX, STANDARD 610001	EACH	1	1	
61000225	TYPE F INLET BOX, STANDARD 610001	EACH	1	1	
** 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	550	550	
** 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	5	5	
66400505	CHAIN LINK FENCE, 8'	FOOT	36	36	
66401100	CHAIN LINK GATES, 4' X 8' SINGLE	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	2	2	

* - INDICATES PAY ITEM REQUIRES A SPECIAL PROVISION
 ** SPECIALTY ITEM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 FAI 72 (I-72)**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	58	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72601	

6-01068-0000
 BFP FUNDING
 90% FEDERAL
 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	
				0047	RURAL
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	3,697	3,697	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6,700	6,700	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,849	1,849	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,430	3,430	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3,430	3,430	
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
** 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	10,313	10,313	
** 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	23	23	
** 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	549	549	

* - INDICATES PAY ITEM REQUIRES A SPECIAL PROVISION
 ** SPECIALTY ITEM

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PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 FAI 72 (I-72)

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72601	

6-01068-0000
 BFP FUNDING
 90% FEDERAL
 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	
				0047	RURAL
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	E,ACH	12	12	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	400	400	
** 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	330	330	
X0321309	CONCRETE PAD	SQ YD	12	12	
* X0327613	REMOVE EXISTING WEATHER STATION	L SUM	1	1	
* X4201510	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL)	SQ YD	58	58	
* X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	7,250	7,250	
* X5051206	STRUCTURAL STEEL REPAIR	POUND	38,900	38,900	
* X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1	
* X5060602	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1	1	
* X6010003	PIPE DRAIN REMOVAL	FOOT	47	47	
* X6050222	FILLING INLETS, TEMPORARY	EACH	2	2	
* X6320100	GUARDRAIL REMOVAL (SPECIAL)	FOOT	738	738	
* X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1	

* - INDICATES PAY ITEM REQUIRES A SPECIAL PROVISION
 ** SPECIALTY ITEM

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 FAI 72 (I-72)

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	58	6
CONTRACT NO. 72601			ILLINOIS FED. AID PROJECT	

6-01068-0000
 BFP FUNDING
 90% FEDERAL
 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0047 RURAL
* ** X8040103	ELECTRIC SERVICE INSTALLATION (SPECIAL)	L SUM	1	1
* X8110105	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	525	525
* Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	58	58
* Z0004002	BOLLARDS	EACH	4	4
* Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
* Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	1
* Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	11,949	11,949
* Z0041895	POLYMER CONCRETE	CU FT	3.5	3.5
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
∅ 20076600	TRAINEES	HOUR	2500	2500
∅ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2500	2500

* - INDICATES PAY ITEM REQUIRES A SPECIAL PROVISION
 ** SPECIALTY ITEM
 ∅ 0042

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 FAI 72 (I-72)

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	58	7
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE

LOCATION (STA TO STA)	LENGTH (FOOT)	WIDTH (FOOT)	SURFACE THICKNESS (INCH)	(40600982)	(40604162)	(40600990)	(40600290)		(48102100)	(48203100)
				HMA SURF REM - BUTT JOINT	POLYMERIZED HMA SC IL-9.5 D N90 1.75"	TEMP RAMP	BIT MATLS TACK CT		AGG WEDGE SHLD	HMA SHOULDERS
				(SQYD)	(TON)	(SQYD)	MILLING (POUND)	LIFTS (POUND)	TYPE B (TON)	1.75" (TON)
[F.A.P. 713 (I-72)] WB										
966+45.00 TO 966+50.00	5	2 @ 12				13.3				
966+45.00 TO 967+15.00	70	40		311.1			140.0			
966+45.00 TO 967+34.00	89	16	2.75				71.2			24.4
966+45.00 TO 967+34.00	89	8	1.75						6.2	
966+45.00 TO 967+66.00	121	24	1.50		27.1			145.2		
967+15.00 TO 967+66.00	51	24						61.2		
967+34.00 TO 967+43.00	9	4	1.75						0.6	
967+34.00 TO 967+66.00	32	6	2.75				9.6			3.3
967+61.00 TO 967+66.00	5	2 @ 12				13.3				
[F.A.P. 713 (I-72)] EB										
966+45.00 TO 966+50.00	5	2 @ 12				13.3				
966+45.00 TO 967+15.00	70	40		311.1			140.0			
966+45.00 TO 967+34.00	89	16	2.75				71.2			24.4
966+45.00 TO 967+34.00	89	8	1.75						6.2	
966+45.00 TO 967+66.00	121	24	1.50		27.1			145.2		
967+15.00 TO 967+66.00	51	24						61.2		
967+34.00 TO 967+66.00	32	6	2.75				9.6			3.3
967+61.00 TO 967+66.00	5	2 @ 12				13.3				
[F.A.P. 713 (I-72)] EB										
981+47.00 TO 983+20.00	173	16	1.75				138.4			30.1
981+72.00 TO 983+20.00	148	8	1.75						10.2	
981+97.00 TO 982+03.00	5	2 @ 12				13.3				
981+97.00 TO 982+50.00	53	24						63.6		
981+97.00 TO 983+20.00	123	24	1.50		27.6			147.6		
982+50.00 TO 983+20.00	70	40		311.1			140.0			
983+15.00 TO 983+20.00	5	2 @ 12				13.3				
PROJECT TOTAL				1,244	112	107	1,008.0	864.0	32	136

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
FAI 72 (I-72)**

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	8
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL SCHEDULE

LOCATION	STAGE	(70100205)	(70100207)	(70400100)	(70400200)	(70600260)	(70600332)	(78200010)
		TRAF CONT- PROT 701401	TRAF CONT- PROT 701402	TEMP CONC BARRIER	RELOC TEMP CONC BARRIER	IMP ATTN TEMP FRN TL3	IMP ATTN REF FRN TL3	BARR WALL REF TYPE B
		(EACH)	(EACH)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)
[F.A.I. 72 (I-72)] WB								
964+00.00 TO 991+00.00	1							
964+00.00 TO 986+00.00	2							
964+00.00 TO 1001+00.00	1	1	1					
964+00.00 TO 1001+00.00	2							
967+40.00 TO 984+55.00	1			1,715				137
967+40.00 TO 984+55.00	2				1,715			137
984+55.00	1					1		
984+55.00	2						1	
991+00.00 TO 1001+00.00	1							
SUBTOTALS		1	1	1,715	1,715	1	1	274
[F.A.I. 72 (I-72)] EB								
948+50.00 TO 984+00.00	1	1	1					
948+50.00 TO 981+00.00	2							
963+50.00 TO 984+00.00	1							
963+50.00 TO 984+50.00	2							
965+00.00 TO 982+15.00	1			1,715				137
965+00.00 TO 982+15.00	2				1,715			137
965+50.00	1					1		
965+50.00	2						1	
991+00.00 TO 1001+00.00	1							
SUBTOTALS		1	1	1,715	1,715	1	1	274
PROJECT TOTAL		2	2	3,430	3,430	2	2	549

BRIDGE APPROACH SHOULDERS - SCHEDULE

SN #	LOCATION	AREA (CADD) (SQ FT)	(X4201510)	(Z0001495)
			P.C. CONC BRIDGE APP SHLDR PVT (SPECIAL)	BRIDGE APP SHLDR REM
			(SQ YD)	(SQ YD)
[F.A.I. 72 (I-72)] WB				
075-0099	967+64.00 TO 967+66.00	196.40	21.8	21.8
[F.A.I. 72 (I-72)] EB				
075-0098	967+34.00 TO 967+66.00	322.60	35.8	35.8
PROJECT TOTAL			57.7	57.7

DRAINAGE SCHEDULE

SN #	LOCATION	(60100945)	(60500060)	(60600605)	(61000115)	(61000225)	(X6010003)	(X6050222)
		PIPE DRAINS 12"	REMOVING INLETS	CONCRETE CURB, TYPE B	TYPE E INLET BOX, STANDARD 610001	TYPE F INLET BOX, STANDARD 610001	PIPE DRAIN REM	FILL INLETS, TEMP
		(FOOT)	(EACH)	(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)
[F.A.I. 72 (I-72)] WB								
075-0099	967+47.00	LT	12	1	1	12	1	
075-0099	967+34.00 TO 967+49.00			15				
[F.A.I. 72 (I-72)] EB								
075-0098	967+47.00	RT	35	1		35	1	
075-0098	967+34.00 TO 967+49.00			15				
PROJECT TOTAL			47	2	30	1	1	2

GUARDRAIL SCHEDULE

LOCATION	LENGTH (FOOT)	(63000001)	(63100085)	(78200005)	(X6320100)
		STEEL PLATE BEAM GRDRAIL, TY A, 6 FT POSTS	TRAFFIC BARRIER TERMINAL, TY 6	GUARDRAIL REFLECTORS, TY A	GUARDRAIL REMOVAL (SPECIAL)
		(FOOT)	(EACH)	(EACH)	(FOOT)
[F.A.I. 72 (I-72)] WB					
966+45.00 TO 966+82.50	RT	37.50		1.0	
966+82.50 TO 967+57.50	RT	75.00	75.0	4	
966+45.00 TO 967+57.50	RT	112.50			112.5
981+57.50 TO 981+95.00	RT	37.50		1.0	
981+95.00 TO 983+20.00	RT	125.00	125.0	5	
981+57.50 TO 983+20.00	RT	162.50			162.5
981+53.00 TO 981+90.50	LT	37.50		1.0	
981+53.00 TO 983+28.00	LT	175.00			175.0
981+90.50 TO 983+28.00	LT	137.50	137.5	6	
[F.A.I. 72 (I-72)] EB					
966+03.00 TO 967+15.50	LT	112.50	112.5	5	
966+03.00 TO 967+53.00	LT	150.00			150.0
967+15.50 TO 967+53.00	LT	37.50		1.0	
966+07.50 TO 967+45.00	RT	137.50			137.5
966+07.50 TO 967+07.50	RT	100.00	100.0	4	
967+07.50 TO 967+45.00	RT	37.50		1.0	
PROJECT TOTAL		550	5	23	737.5

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 5/4/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
FAI 72 (I-72)**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

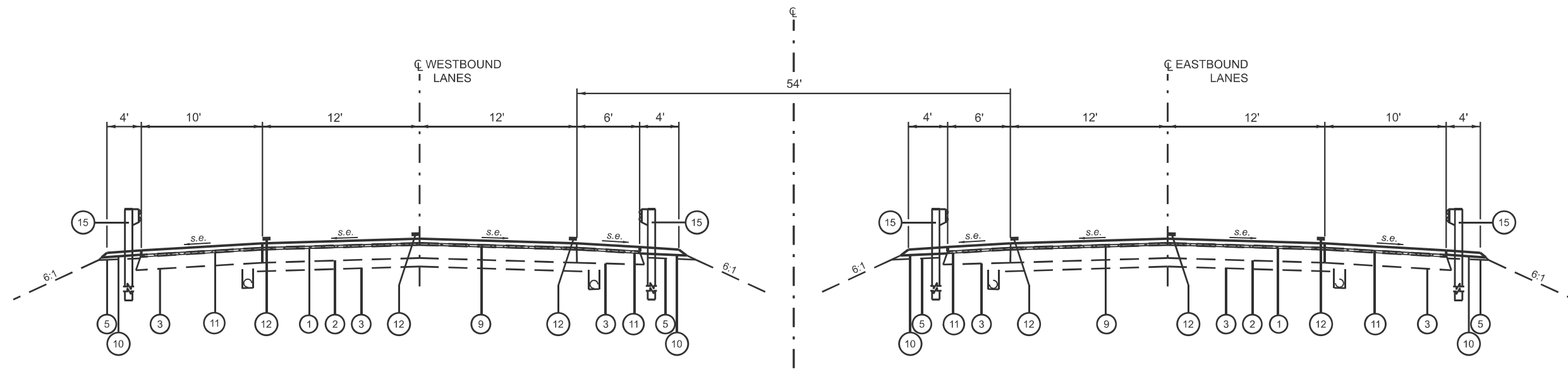
F.A.I. RTE. 72	SECTION (75-3VHB-1)BDR,BP,BJR	COUNTY PKE	TOTAL SHEETS 56	SHEET NO. 9
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE													
Stage	Direction	Location				70107006	70300150	78100100	78300200	78009005			Remarks
						Blackout Tape 6"	Short Term Pavement Marking Removal	Raised Reflective Pavement Marker	Raised Reflective Pavement Marker Removal	Modified Urethane Pavement Marking - Line 5"			
										White (Solid)	White (Skip- Dash)	Yellow (Solid)	
Station	to	Station	Length	Foot	Sq. Ft.	Each	Each	Foot	Foot	Foot			
I	I-72 Westbound	981+85.	-	1001+00.	1,915.0	478.8						Covering existing CL 10' skip-dash	
		982+32.	-	986+00.	368.0	368.0						Covering existing Interior yellow edge line	
		964+00.	-	967+48.	348.0	348.0						Covering existing Interior yellow edge line	
I	I-72 Eastbound	948+50.	-	967+68.	1,918.0	479.5						Covering existing CL 10' skip-dash	
		963+50.	-	967+68.	418.0	418.0						Covering existing Interior yellow edge line	
		981+47.	-	984+00.	253.0	253.0						Covering existing Interior yellow edge line	
II	I-72 Westbound	982+32.	-	986+00.	368.0	368.0						Covering existing exterior white edge line	
		963+50.	-	967+48.	398.0	398.0						Covering existing exterior white edge line	
II	I-72 Eastbound	963+50.	-	967+68.	418.0	418.0						Covering existing exterior white edge line	
		982+32.	-	984+00.	168.0	168.0						Covering existing exterior white edge line	
Post Staging	I-72 Westbound	981+85.	-	1001+00.	1,915.0		239.4					Covering existing CL 10' skip-dash	
		982+32.	-	986+00.	368.0		184.0					Covering existing Interior yellow edge line	
		964+00.	-	967+48.	348.0		174.0					Covering existing Interior yellow edge line	
		982+32.	-	986+00.	368.0		184.0					Covering existing exterior white edge line	
		963+50.	-	967+48.	398.0		199.0					Covering existing exterior white edge line	
		964+00.	-	1001+00.	3,700.0					925		Reinstalling CL 10' skip-dash	
		964+00.	-	986+00.	2,200.0				2,200.0			Reinstalling exterior solid white line	
		964+00.	-	986+00.	2,200.0						2,200.0	Reinstalling exterior solid yellow line	
		966+45.	-	967+66.	121.0				3			Removal before HMA Resurfacing	
		981+85.	-	983+20.	135.0				3			Removal before HMA Resurfacing	
		966+45.	-	967+66.	121.0				3			Install after HMA Resurfacing	
		981+85.	-	983+20.	135.0				3			Install after HMA Resurfacing	
Post Staging	I-72 Eastbound	948+50.	-	967+68.	1,918.0		239.8					Covering existing CL 10' skip-dash	
		963+50.	-	967+68.	418.0		209.0					Covering existing Interior yellow edge line	
		981+47.	-	984+00.	253.0		126.5					Covering existing Interior yellow edge line	
		963+50.	-	967+68.	418.0		209.0					Covering existing exterior white edge line	
		982+32.	-	984+00.	168.0		84.0					Covering existing exterior white edge line	
		948+50.	-	984+00.	3,550.0					887.5		Reinstalling CL 10' skip-dash	
		963+50.	-	984+00.	2,050.0				2,050.0			Reinstalling exterior solid white line	
		963+50.	-	984+00.	2,050.0						2,050.0	Reinstalling exterior solid yellow line	
		966+45.	-	967+66.	121.0				3			Removal before HMA Resurfacing	
		981+85.	-	983+20.	135.0				3			Removal before HMA Resurfacing	
		966+45.	-	967+66.	121.0				3			Install after HMA Resurfacing	
		981+85.	-	983+20.	135.0				3			Install after HMA Resurfacing	
					3,697.3	1,848.6	12.0	12.0	4,250.0	1,812.5	4,250.0	Total Quantities	

ROADWAY WEATHER INFORMATION SYSTEM

LOCATION	31101000	X0321309	66400505	66401100	(81028370)	(Z0004002)
	SUBBASE GRANULAR MATERIAL, TYPE B	CONCRETE PAD	CHAIN LINK FENCE, 8'	CHAIN LINK GATES, 4' X 8' SINGLE	UNDERGROUND CONDUIT, PVC, 3" DIA.	BOLLARDS
	(TON)	(SQ YD)	(FOOT)	(EACH)	(FOOT)	(EACH)
[F.A.I. 72 (I-72)] MEDIAN						
967+40.00 TO 967+50.00	5.0	12.0	36.0	1.0	330.0	4.0
[250th ST.]						
1+18.50 RT	5.0					
PROJECT TOTAL	10	12	36	1	330	4

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WESTBOUND I-72
 STA 966+45.00 TO STA 967+34.00
 STA 981+85.00 TO STA 983+20.00

TYPICAL SECTION ①

EASTBOUND I-72
 STA 966+45.00 TO STA 967+34.00
 STA 981+97.00 TO STA 983+20.00

LEGEND

- ① EXISTING HMA SURFACE COURSE
- ② EXISTING CONINUOUSLY REINFORCED PCC PAVEMENT 9"
- ③ EXISTING STABILIZED SUB-BASE 4"
- ④ EXISTING HMA SHOULDER, 9"
- ⑤ EXISTING BRIDGE APPROACH SHOULDER PAVEMENT
- ⑥ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑦ EXISTING BRIDGE APPROACH PAVEMENT STD 2353
- ⑧ EXISTING BRIDGE APPROACH SHLR PVT STD 2324
- ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE (1 3/4")
- ⑩ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑪ PROPOSED HMA SHOULDERS (1 3/4")
- ⑫ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5"
- ⑬ PROPOSED CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SP)
- ⑭ PROPOSED BRIDGE APPROACH SHOULDER REMOVAL
- ⑮ PROPOSED STEEL PLATE BEAM GUARDRAIL, 6' POSTS
- ⑯ PROPOSED CONCRETE CURB, TYPE B

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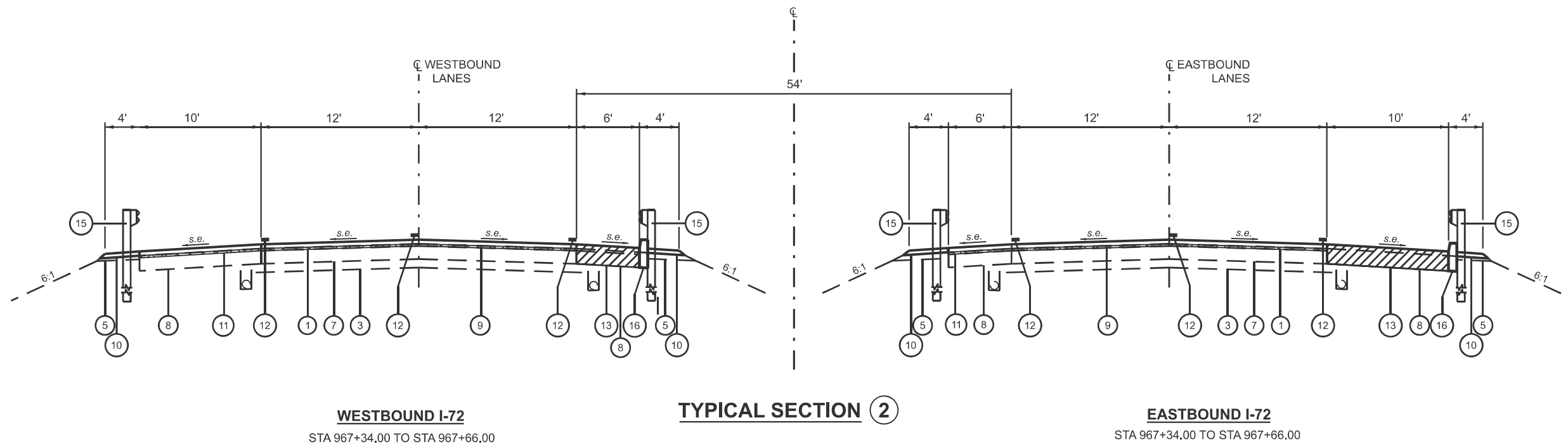
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PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 FAI 72 (I-72)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	11
CONTRACT NO. 72601				
		ILLINOIS	FED. AID PROJECT	



LEGEND

- | | |
|---|--|
| <ul style="list-style-type: none"> ① EXISTING HMA SURFACE COURSE ② EXISTING CONTINUOUSLY REINFORCED PCC PAVEMENT 9" ③ EXISTING STABILIZED SUB-BASE 4" ④ EXISTING HMA SHOULDER, 9" ⑤ EXISTING BRIDGE APPROACH SHOULDER PAVEMENT ⑥ EXISTING AGGREGATE SHOULDERS, TYPE B ⑦ EXISTING BRIDGE APPROACH PAVEMENT STD 2353 ⑧ EXISTING BRIDGE APPROACH SHLR PVT STD 2324 | <ul style="list-style-type: none"> ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE (1 3/4") ⑩ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B ⑪ PROPOSED HMA SHOULDERS (1 3/4") ⑫ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5" ⑬ PROPOSED CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SP) ⑭ PROPOSED BRIDGE APPROACH SHOULDER REMOVAL ⑮ PROPOSED STEEL PLATE BEAM GUARDRAIL, 6' POSTS ⑯ PROPOSED CONCRETE CURB, TYPE B |
|---|--|

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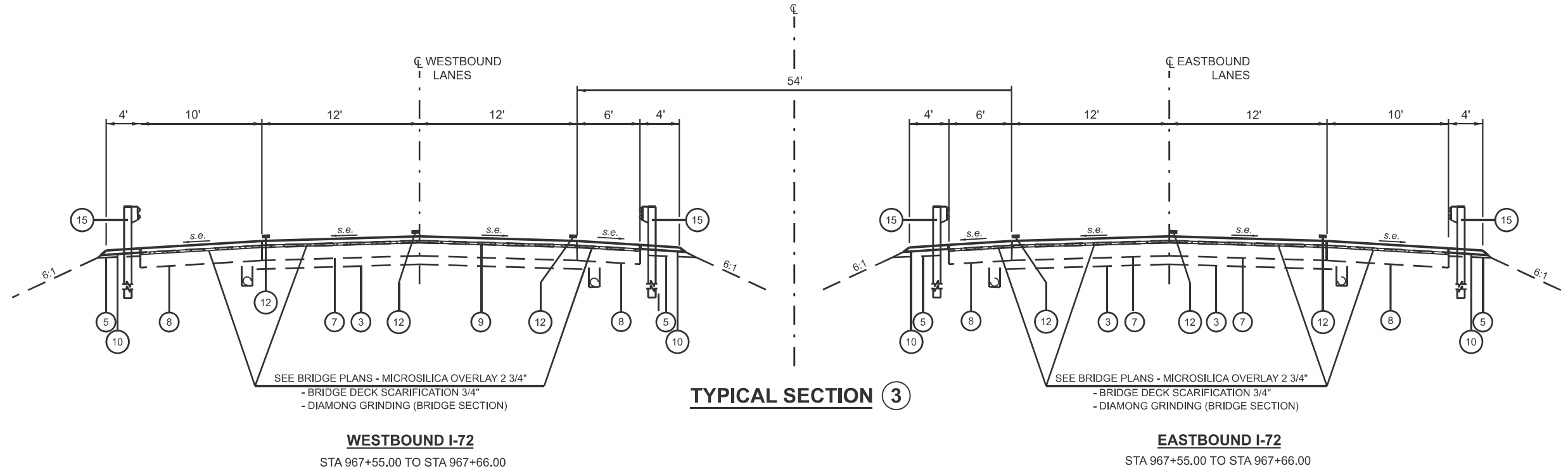
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PLOT DATE = 3/26/2026	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
FAI 72 (I-72)**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	12
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION 3

WESTBOUND I-72

STA 967+55.00 TO STA 967+66.00

EASTBOUND I-72

STA 967+55.00 TO STA 967+66.00

LEGEND

- | | |
|---|--|
| ① EXISTING HMA SURFACE COURSE | ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE (1 3/4") |
| ② EXISTING CONINUOUSLY REINFORCED PCC PAVEMENT 9" | ⑩ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B |
| ③ EXISTING STABILIZED SUB-BASE 4" | ⑪ PROPOSED HMA SHOULDERS (1 3/4") |
| ④ EXISTING HMA SHOULDER, 9" | ⑫ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5" |
| ⑤ EXISTING BRIDGE APPROACH SHOULDER PAVEMENT | ⑬ PROPOSED CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SP) |
| ⑥ EXISTING AGGREGATE SHOULDERS, TYPE B | ⑭ PROPOSED BRIDGE APPROACH SHOULDER REMOVAL |
| ⑦ EXISTING BRIDGE APPROACH PAVEMENT STD 2353 | ⑮ PROPOSED STEEL PLATE BEAM GUARDRAIL, 6' POSTS |
| ⑧ EXISTING BRIDGE APPROACH SHLR PVT STD 2324 | ⑯ PROPOSED CONCRETE CURB, TYPE B |

MODEL: Typical Sections (Sheet) - 3
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
FAI 72 (I-72)**

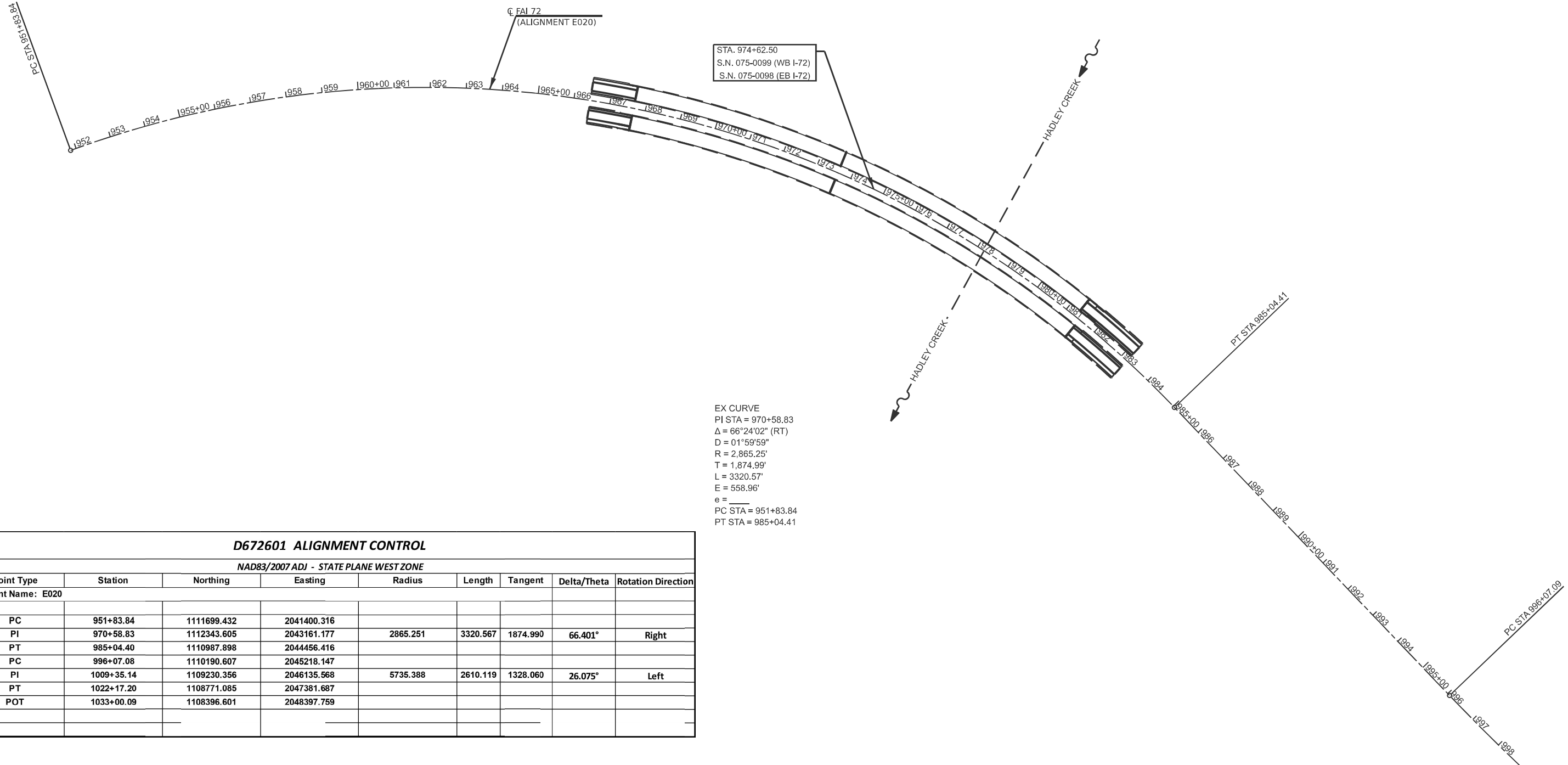
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	13
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

EX CURVE
 PI STA = 970+58.83
 $\Delta = 66^{\circ}24'02''$ (RT)
 D = $01^{\circ}59'59''$
 R = 2,865.25'
 T = 1,874.99'
 L = 3320.57'
 E = 558.96'
 e = _____
 PC STA = 951+83.84
 PT STA = 985+04.41



PI STA 970+58.83



EX CURVE
 PI STA = 970+58.83
 $\Delta = 66^{\circ}24'02''$ (RT)
 D = $01^{\circ}59'59''$
 R = 2,865.25'
 T = 1,874.99'
 L = 3320.57'
 E = 558.96'
 e = _____
 PC STA = 951+83.84
 PT STA = 985+04.41

D672601 ALIGNMENT CONTROL

NAD83/2007 ADJ - STATE PLANE WEST ZONE

Point Type	Station	Northing	Easting	Radius	Length	Tangent	Delta/Theta	Rotation Direction
Alignment Name: E020								
PC	951+83.84	1111699.432	2041400.316					
PI	970+58.83	1112343.605	2043161.177	2865.251	3320.567	1874.990	66.401°	Right
PT	985+04.40	1110987.898	2044456.416					
PC	996+07.08	1110190.607	2045218.147					
PI	1009+35.14	1109230.356	2046135.568	5735.388	2610.119	1328.060	26.075°	Left
PT	1022+17.20	1108771.085	2047381.687					
POT	1033+00.09	1108396.601	2048397.759					

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PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT
 FAI 72 (I-72)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR, BP, BJR	PIKE	56	14
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

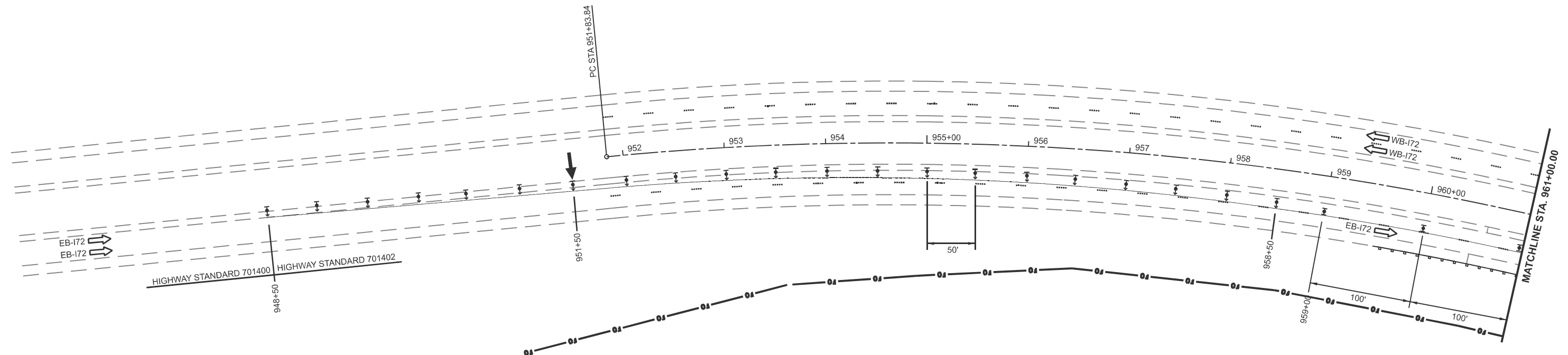
TRAFFIC CONTROL PRE-STAGE 1

1. REMOVE INLET GRATES AND FILL INLETS FOR STAGE I AND STAGE II TRAFFIC USING STANDARD 701400 & 701401.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701401

NOTE: SHOULDERS WERE REPLACED ON PREVIOUS CONTRACT.

TRAFFIC CONTROL STAGE 1

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.



LEGEND	
	ARROW BOARD
	TRAFFIC FLOW ARROW
	WORK AREA
	SIGN
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER

MODEL: E020 - Plan 1 (Sheet)
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1
FAI 72 (I-72)**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 946+00.00 TO STA. 961+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	16
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

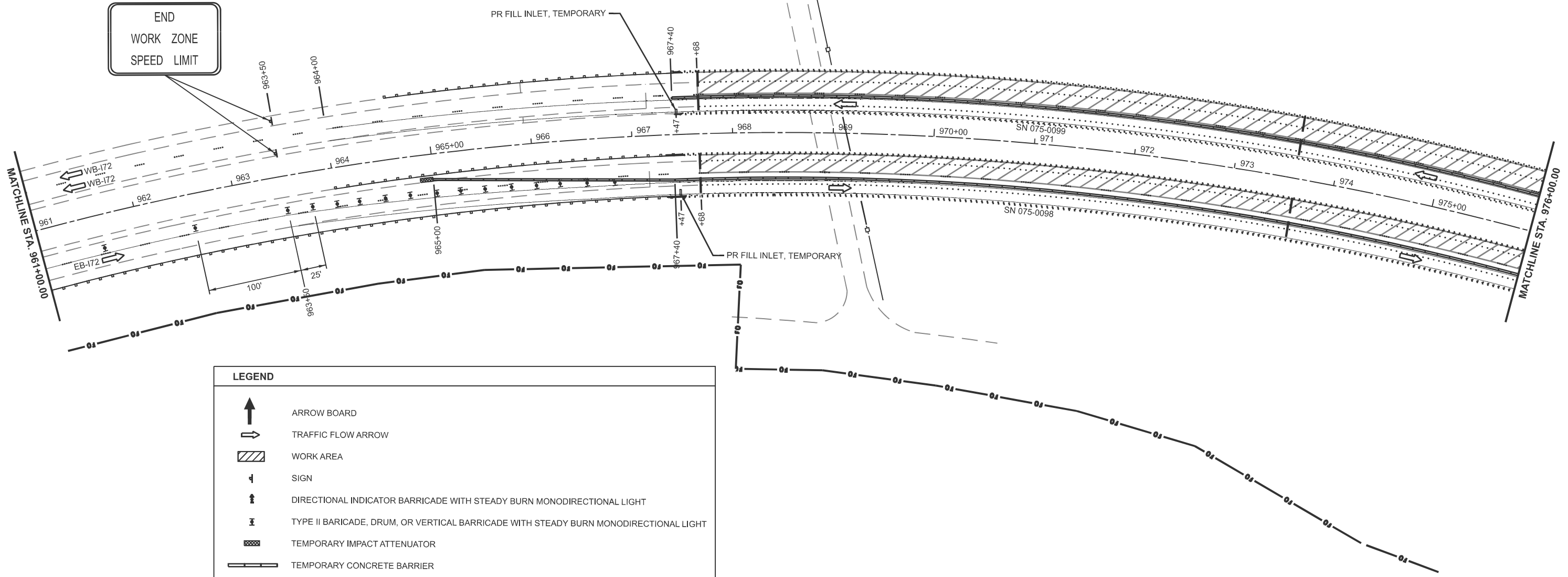
TRAFFIC CONTROL PRE-STAGE 1

1. REMOVE INLET GRATES AND FILL INLETS FOR STAGE I AND STAGE II TRAFFIC USING STANDARD 701400 & 701401.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701401

NOTE: SHOULDERS WERE REPLACED ON PREVIOUS CONTRACT.

TRAFFIC CONTROL STAGE 1

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.



LEGEND	
	ARROW BOARD
	TRAFFIC FLOW ARROW
	WORK AREA
	SIGN
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 FAI 72 (I-72)			
SCALE: 1"=50'	SHEET 2	OF 4 SHEETS	STA. 961+00.00 TO STA. 976+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	17
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

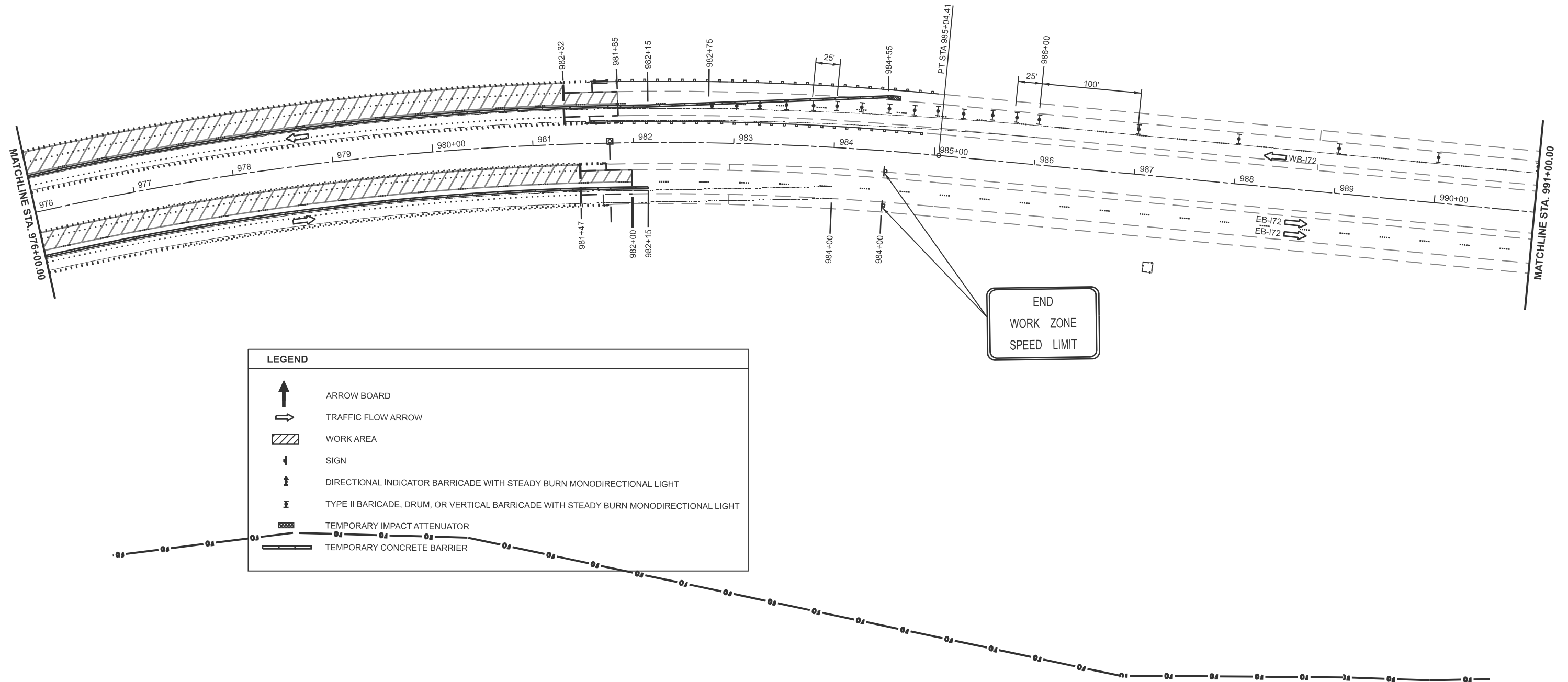
TRAFFIC CONTROL PRE-STAGE 1

1. REMOVE INLET GRATES AND FILL INLETS FOR STAGE I AND STAGE II TRAFFIC USING STANDARD 701400 & 701401.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701401

NOTE: SHOULDERS WERE REPLACED ON PREVIOUS CONTRACT.

TRAFFIC CONTROL STAGE 1

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.



LEGEND	
	ARROW BOARD
	TRAFFIC FLOW ARROW
	WORK AREA
	SIGN
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER

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USER NAME = jacob.drainger	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
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SCALE: 1"=50'		SHEET 3 OF 4 SHEETS		STA. 976+00.00 TO STA. 991+00.00	
				STAGE 1 FAI 72 (I-72)	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	18
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

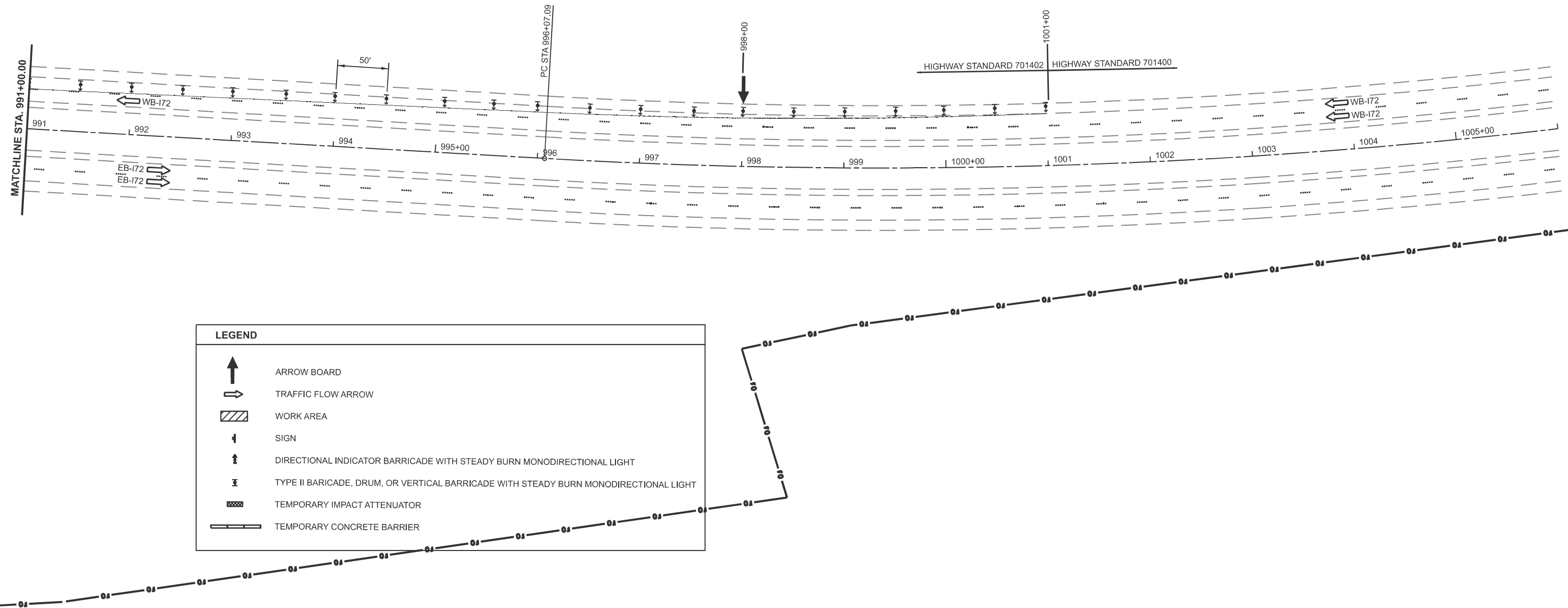
TRAFFIC CONTROL PRE-STAGE 1

1. REMOVE INLET GRATES AND FILL INLETS FOR STAGE I AND STAGE II TRAFFIC USING STANDARD 701400 & 701401.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701401

NOTE: SHOULDERS WERE REPLACED ON PREVIOUS CONTRACT.

TRAFFIC CONTROL STAGE 1

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.



LEGEND	
	ARROW BOARD
	TRAFFIC FLOW ARROW
	WORK AREA
	SIGN
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER

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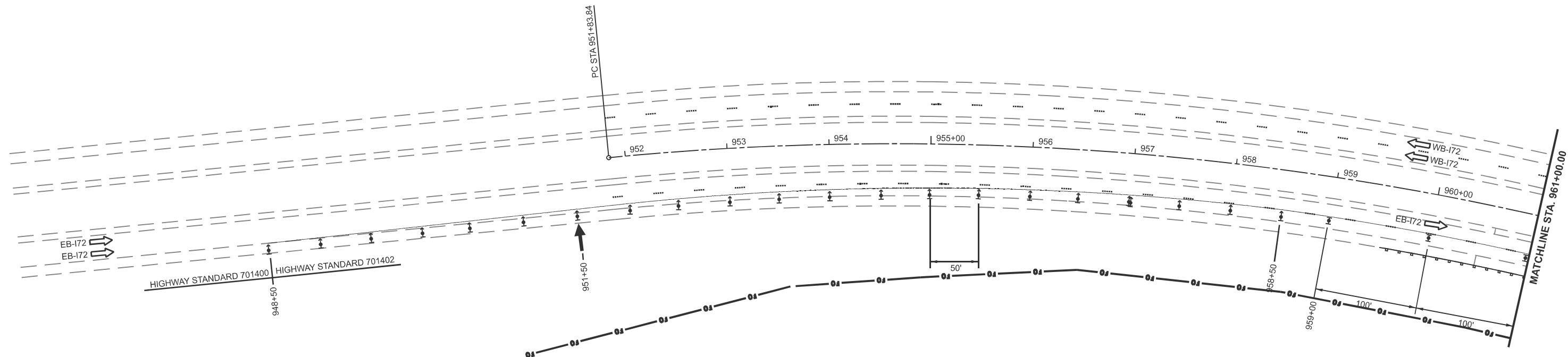
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 FAI 72 (I-72)			
SCALE: 1"=50'	SHEET 4	OF 4 SHEETS	STA. 991+00.00 TO STA. 1006+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	19
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL STAGE 2

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.



LEGEND	
	ARROW BOARD
	TRAFFIC FLOW ARROW
	WORK AREA
	SIGN
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER

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DEPARTMENT OF TRANSPORTATION**

**STAGE 2
FAI 72 (I-72)**

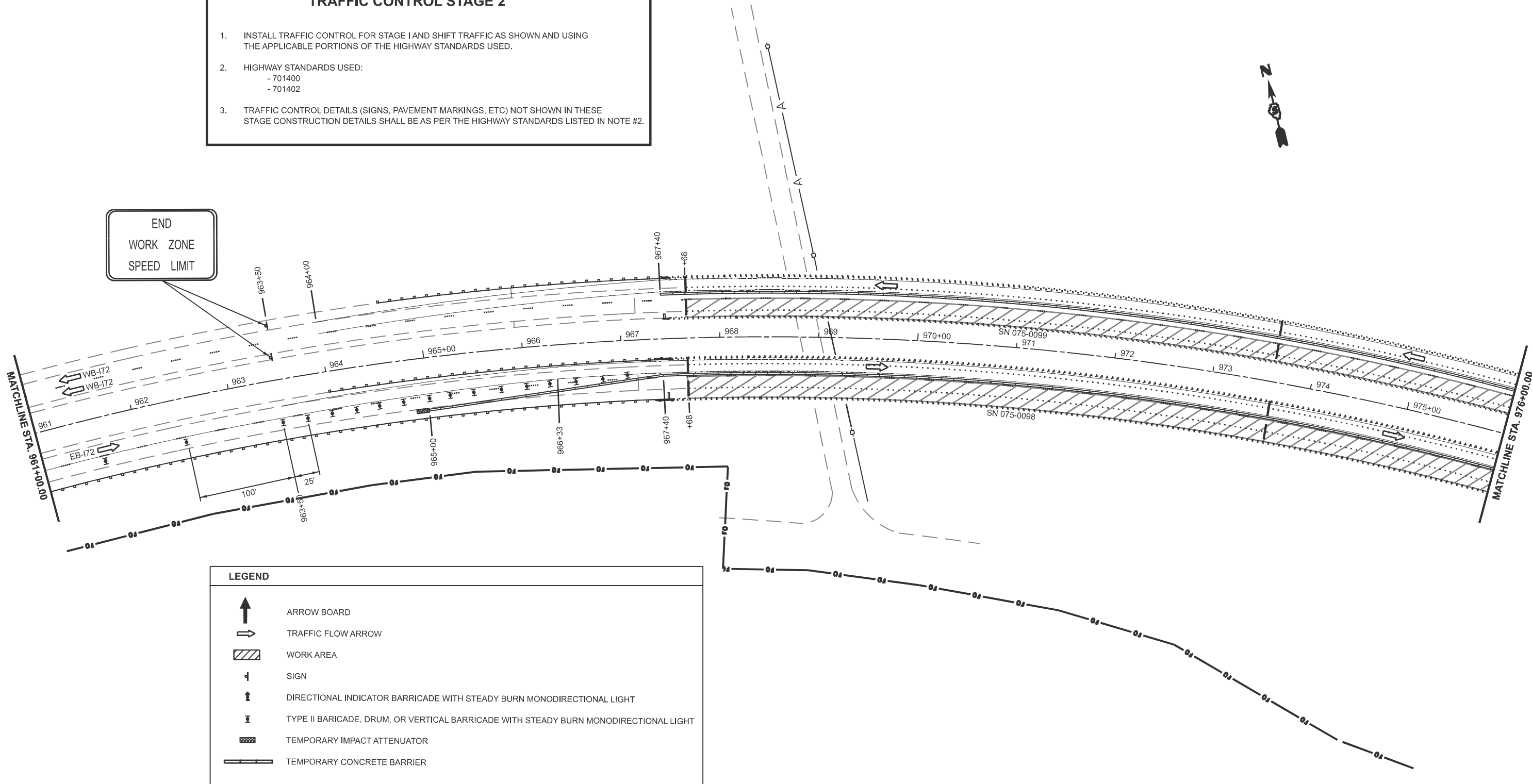
SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 946+00.00 TO STA. 961+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	20
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL STAGE 2

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
- 701400
- 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.

END
WORK ZONE
SPEED LIMIT



LEGEND	
	ARROW BOARD
	TRAFFIC FLOW ARROW
	WORK AREA
	SIGN
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER

MODEL: E020 - Plan 2 (Sheet)
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PLOT DATE = 3/26/2026	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION

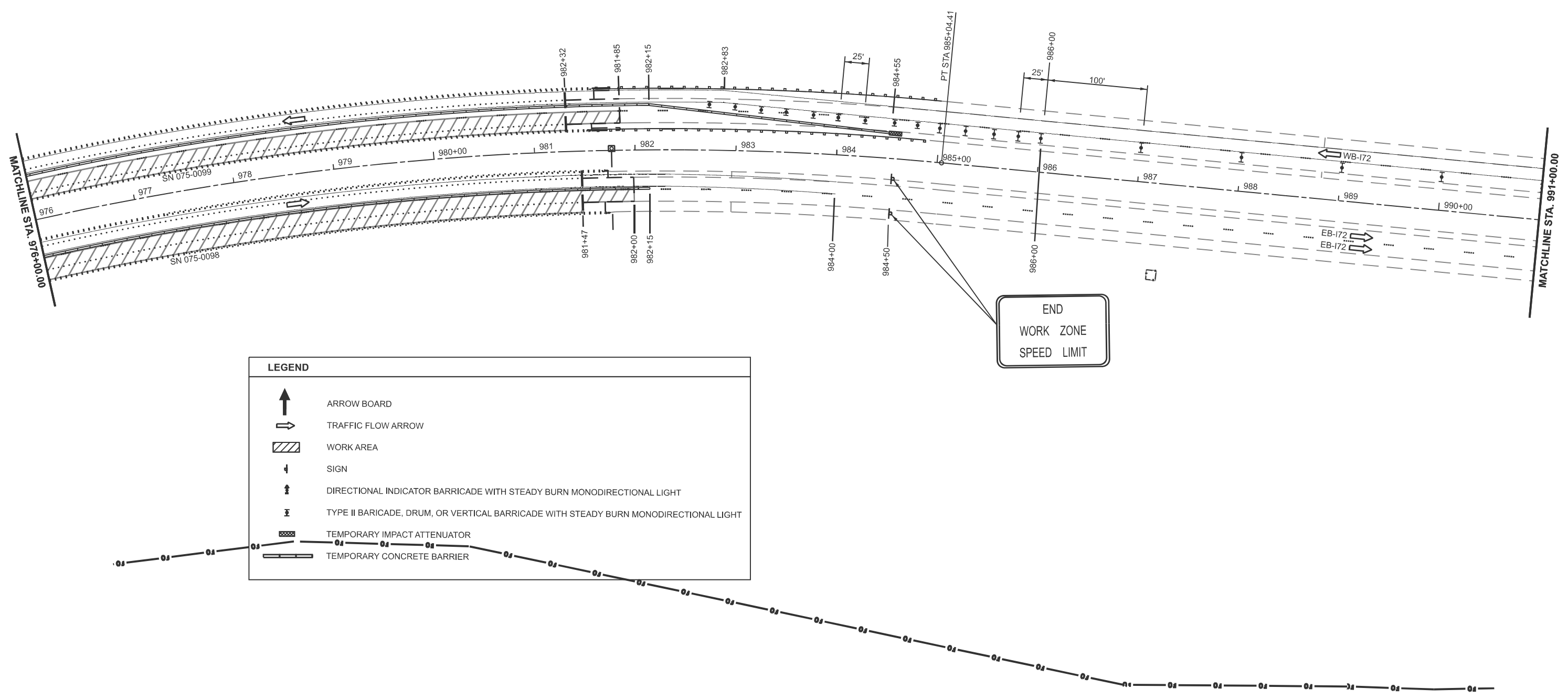
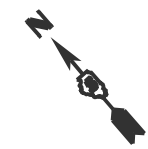
SCALE: 1"=50'		SHEET 2	OF 4 SHEETS	STA. 961+00.00	TO STA. 976+00.00
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STAGE 2
FAI 72 (I-72)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	21
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL STAGE 2

1. INSTALL TRAFFIC CONTROL FOR STAGE 1 AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.



LEGEND	
	ARROW BOARD
	TRAFFIC FLOW ARROW
	WORK AREA
	SIGN
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER

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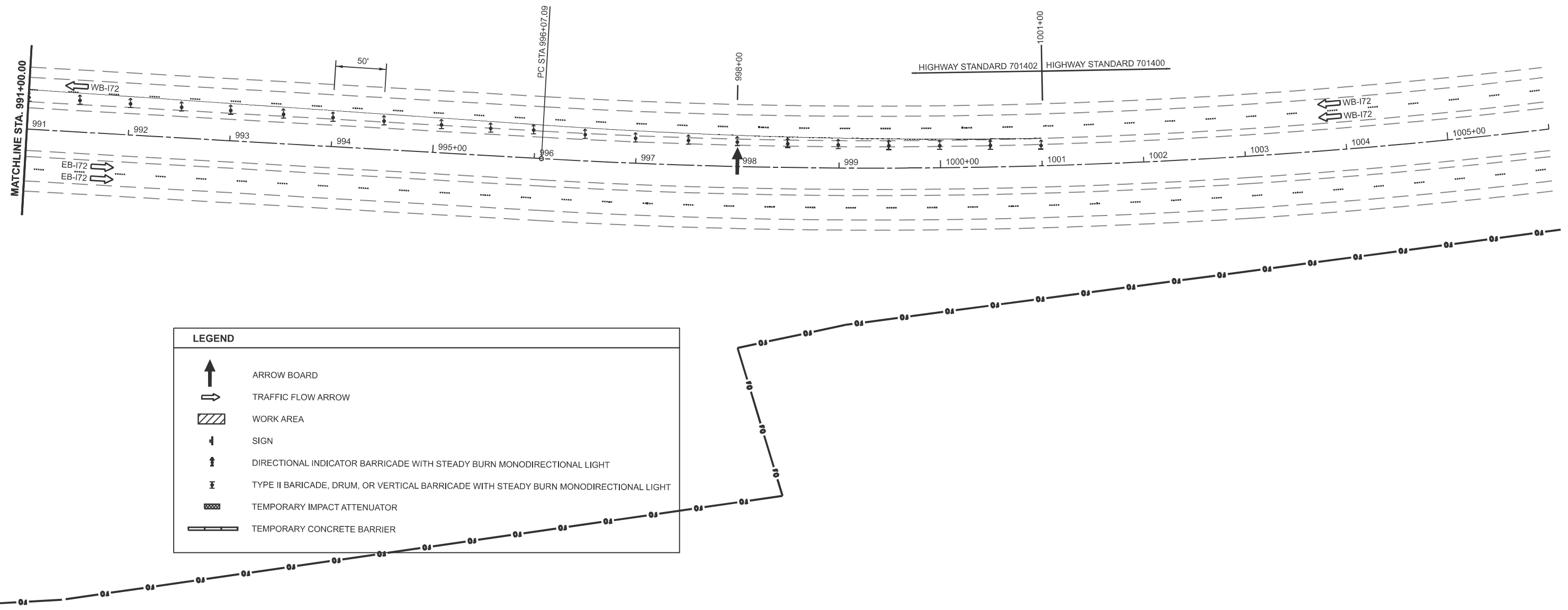
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 72 (I-72)		72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	22
SCALE: 1"=50'		SHEET 3	OF 4 SHEETS	STA. 976+00.00	TO STA. 991+00.00	

CONTRACT NO. 72601		ILLINOIS	FED. AID PROJECT
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TRAFFIC CONTROL STAGE 2

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:
 - 701400
 - 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN NOTE #2.



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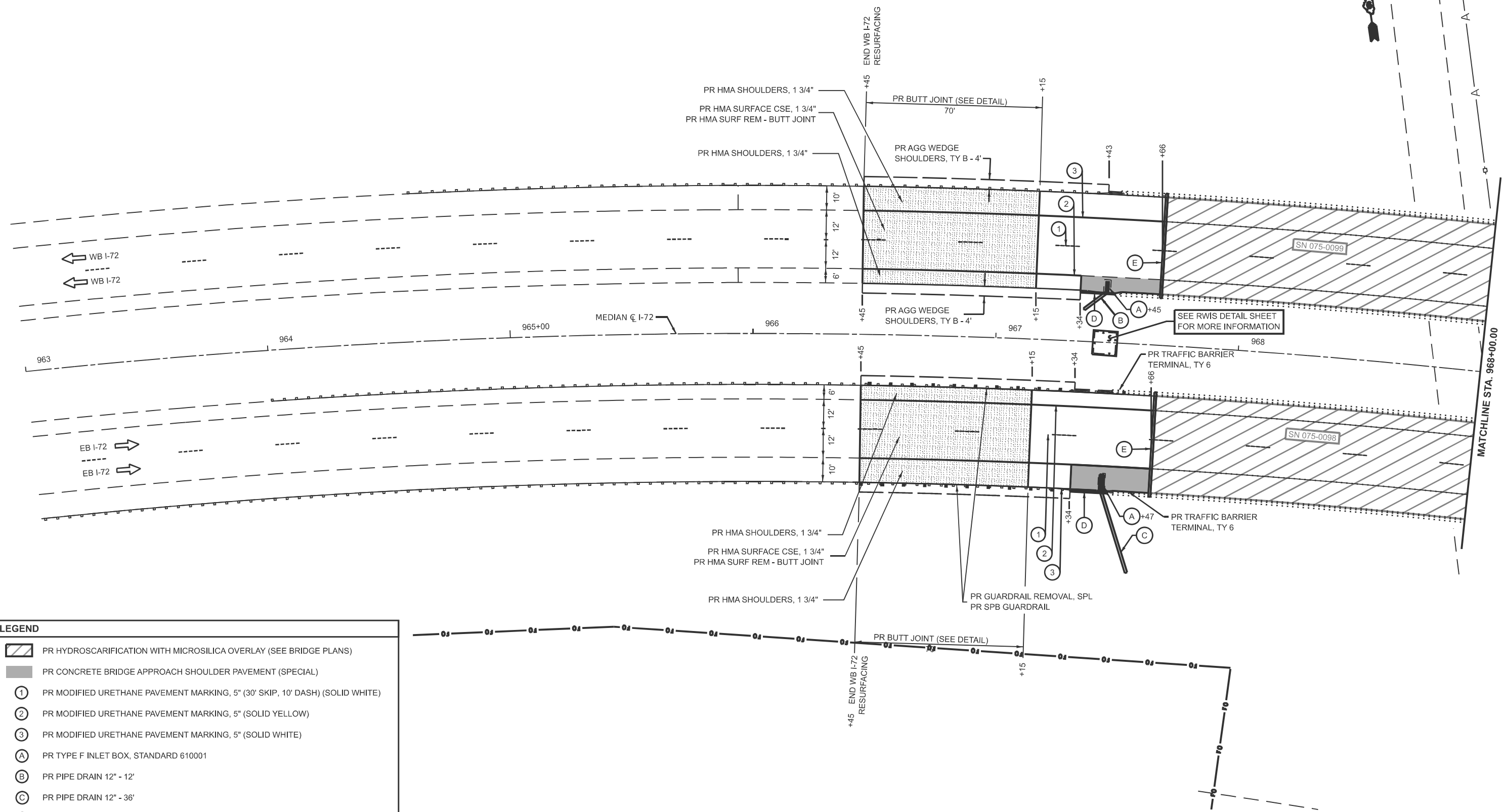
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PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 2
FAI 72 (I-72)**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 991+00.00 TO STA. 1006+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	23
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



LEGEND	
	PR HYDROSCARIFICATION WITH MICROSILICA OVERLAY (SEE BRIDGE PLANS)
	PR CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL)
	PR MODIFIED URETHANE PAVEMENT MARKING, 5" (30' SKIP, 10' DASH) (SOLID WHITE)
	PR MODIFIED URETHANE PAVEMENT MARKING, 5" (SOLID YELLOW)
	PR MODIFIED URETHANE PAVEMENT MARKING, 5" (SOLID WHITE)
	PR TYPE F INLET BOX, STANDARD 610001
	PR PIPE DRAIN 12" - 12'
	PR PIPE DRAIN 12" - 36'
	PR CONCRETE CURB, TY B
	PR BRIDGE JOINT REPAIR (SEE BRIDGE PLANS)

MODEL: E020 - Plan 1 (Sheet)
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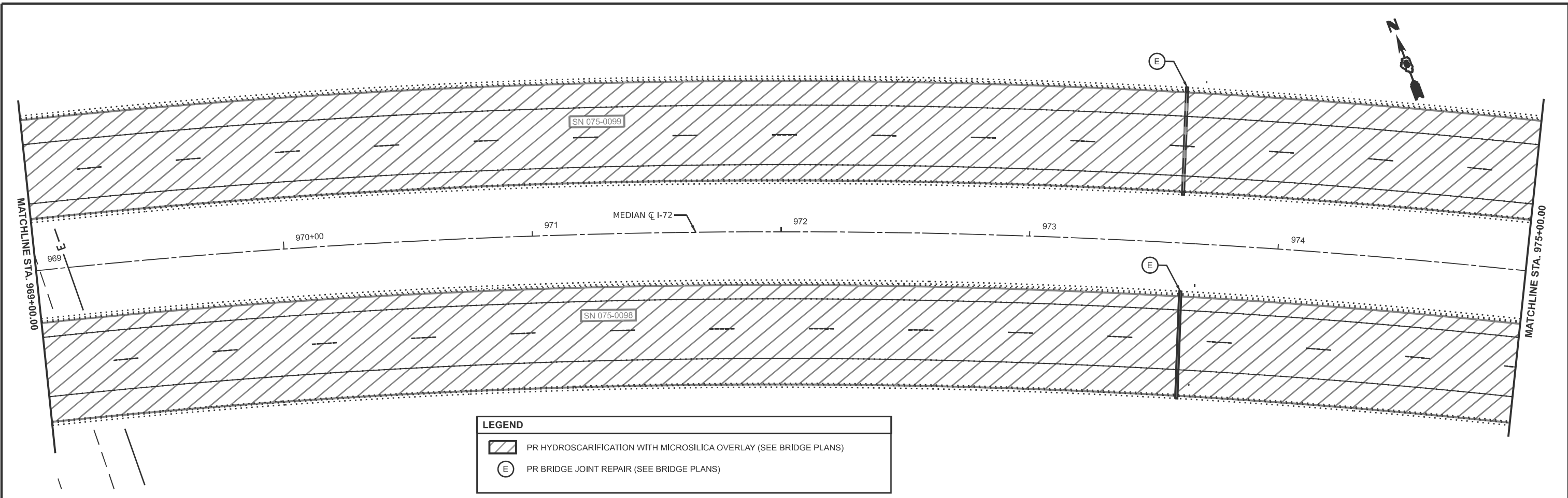
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PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

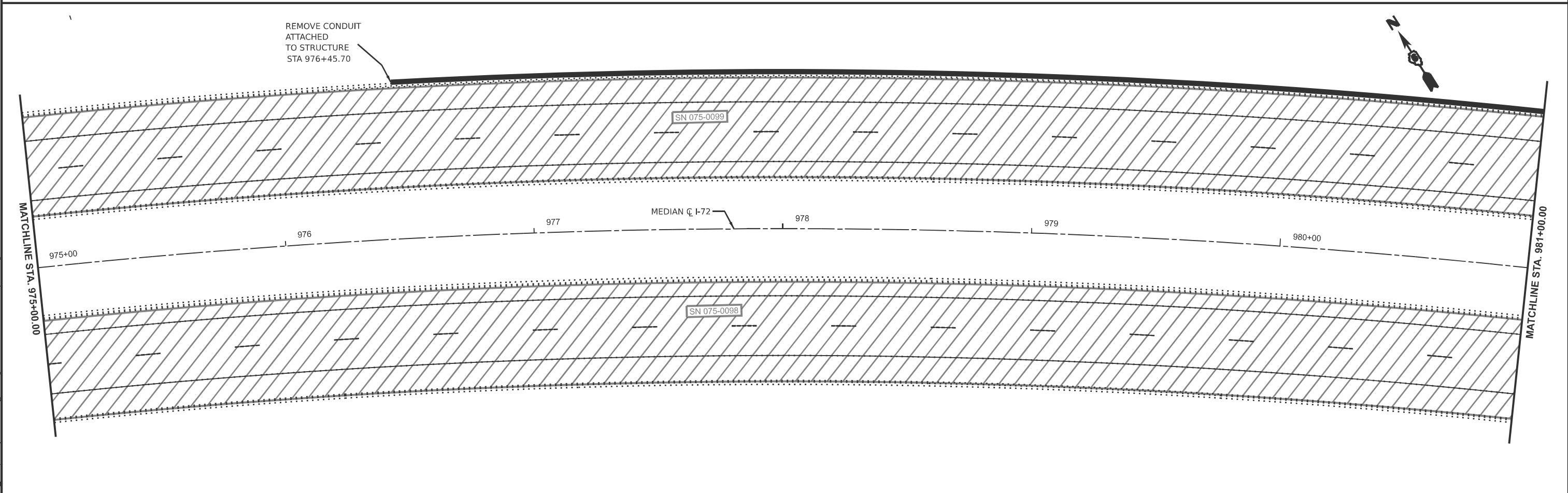
PLAN SHEET FAI 72 (I-72)	
SCALE: 1"=20'	SHEET 1 OF 3 SHEETS STA. 963+00.00 TO STA. 969+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	24
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 968+00.00



LEGEND	
	PR HYDROSCARIFICATION WITH MICROSILICA OVERLAY (SEE BRIDGE PLANS)
	PR BRIDGE JOINT REPAIR (SEE BRIDGE PLANS)



MODEL: E020 - Plan 2 (Sheet)
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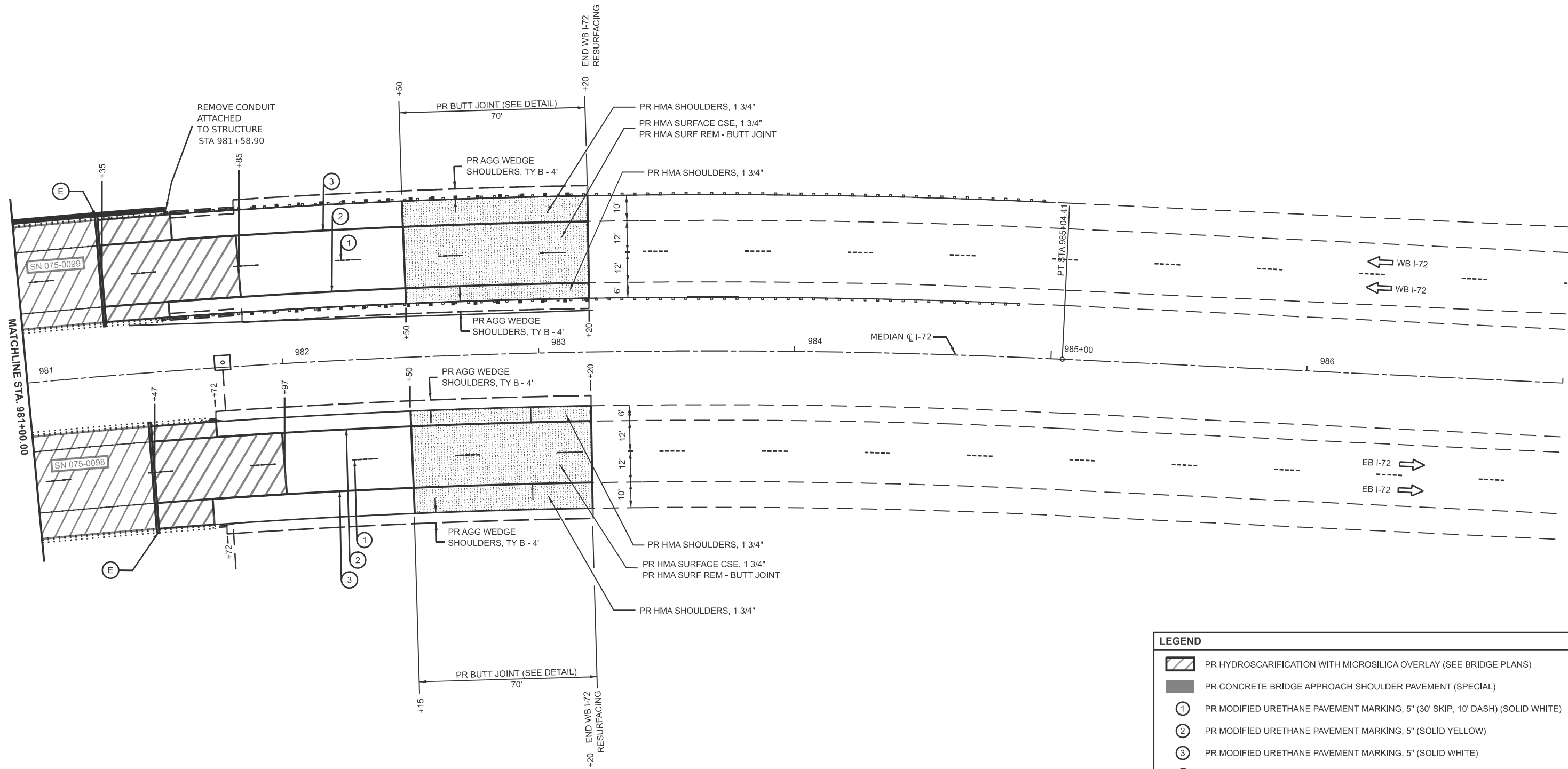
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PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAI 72 (I-72)

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 969+00.00 TO STA. 981+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	25
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



LEGEND	
	PR HYDROSCARIFICATION WITH MICROSILICA OVERLAY (SEE BRIDGE PLANS)
	PR CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL)
	PR MODIFIED URETHANE PAVEMENT MARKING, 5" (30' SKIP, 10' DASH) (SOLID WHITE)
	PR MODIFIED URETHANE PAVEMENT MARKING, 5" (SOLID YELLOW)
	PR MODIFIED URETHANE PAVEMENT MARKING, 5" (SOLID WHITE)
	PR TYPE F INLET BOX, STANDARD 610001
	PR PIPE DRAIN 12" - 55'
	PR PIPE DRAIN 12" - 20'
	PR CONCRETE CURB, TY B
	PR BRIDGE JOINT REPLACEMENT (SEE BRIDGE PLANS)

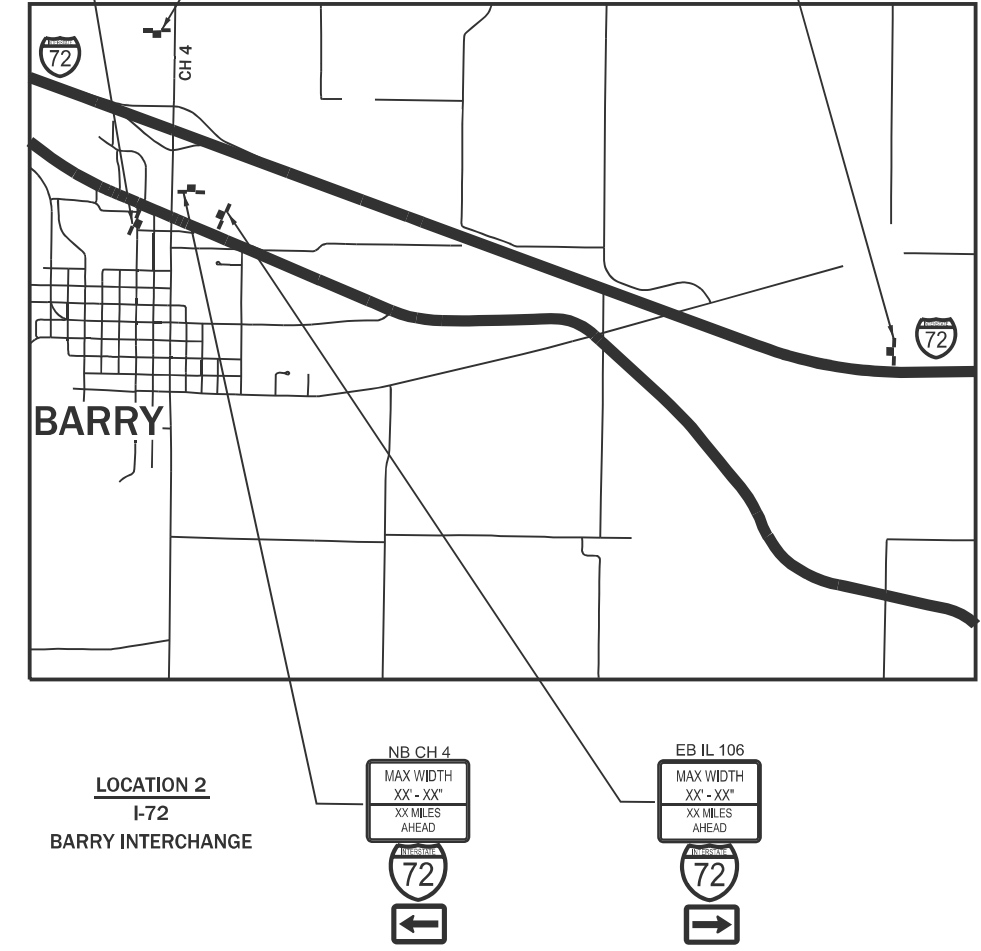
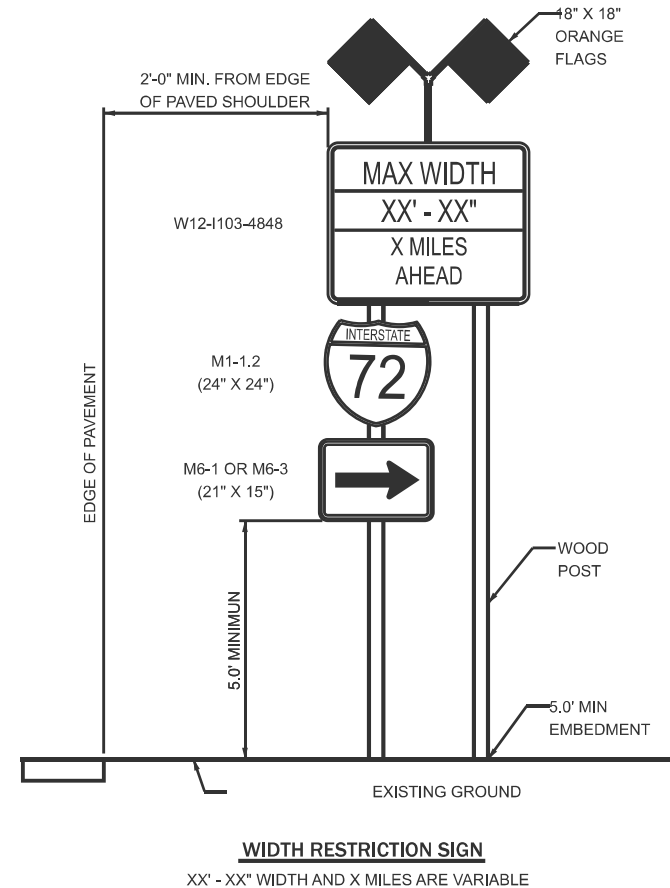
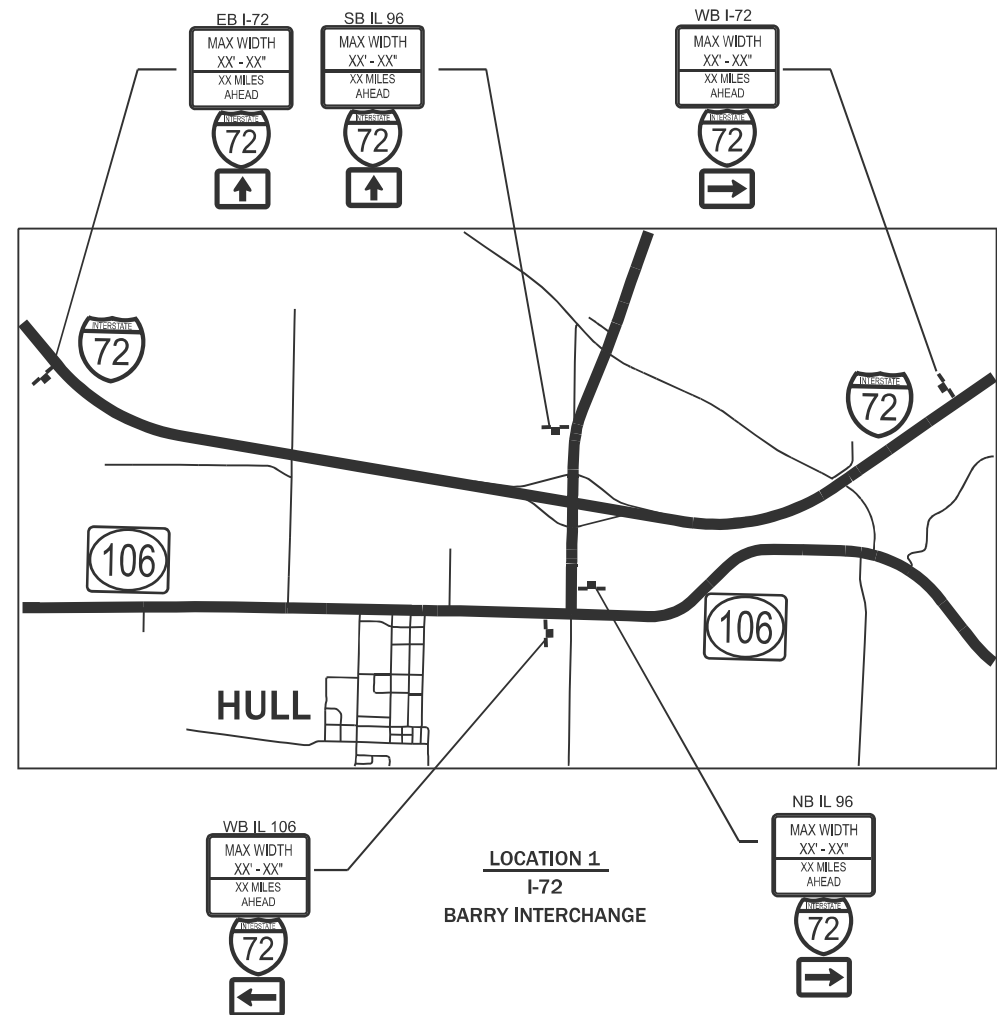
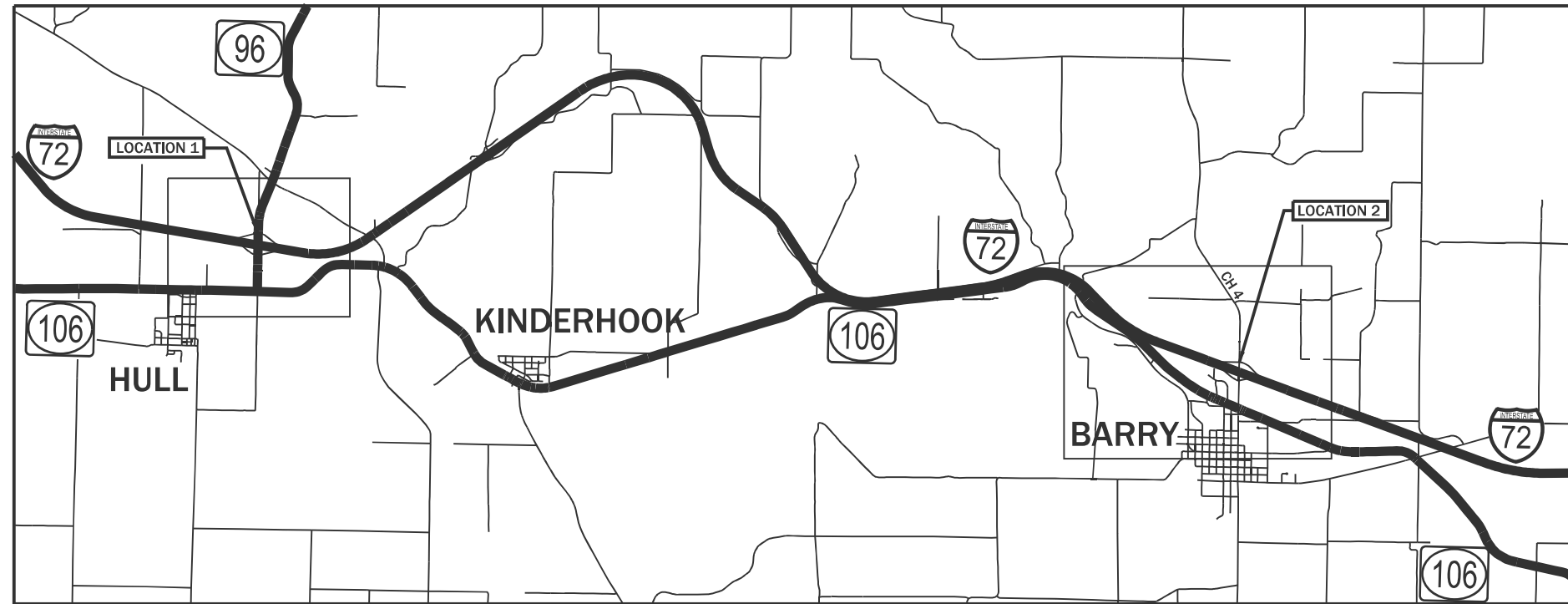
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PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET FAI 72 (I-72)	
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS
STA. 981+00.00	TO STA. 987+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	26
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



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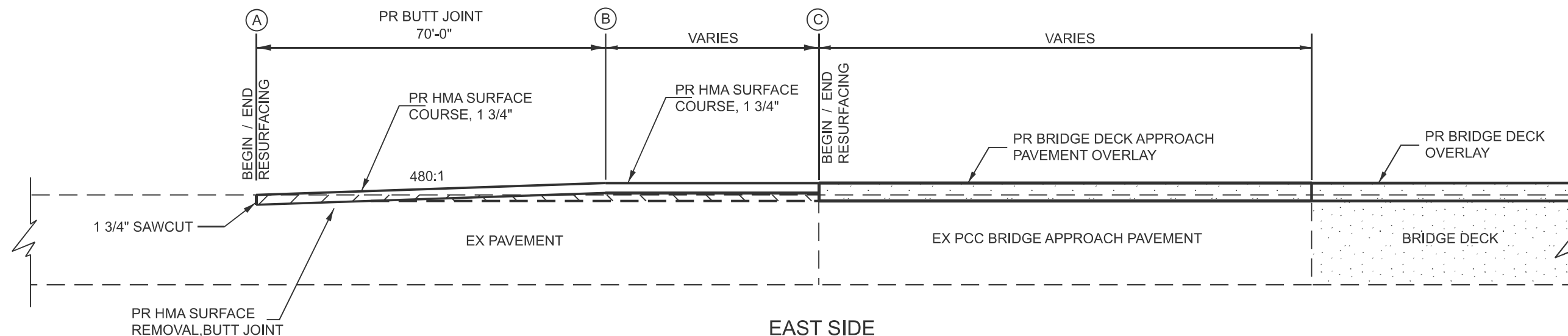
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DATE	= 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING DETAIL
FAI 72 (I-72)

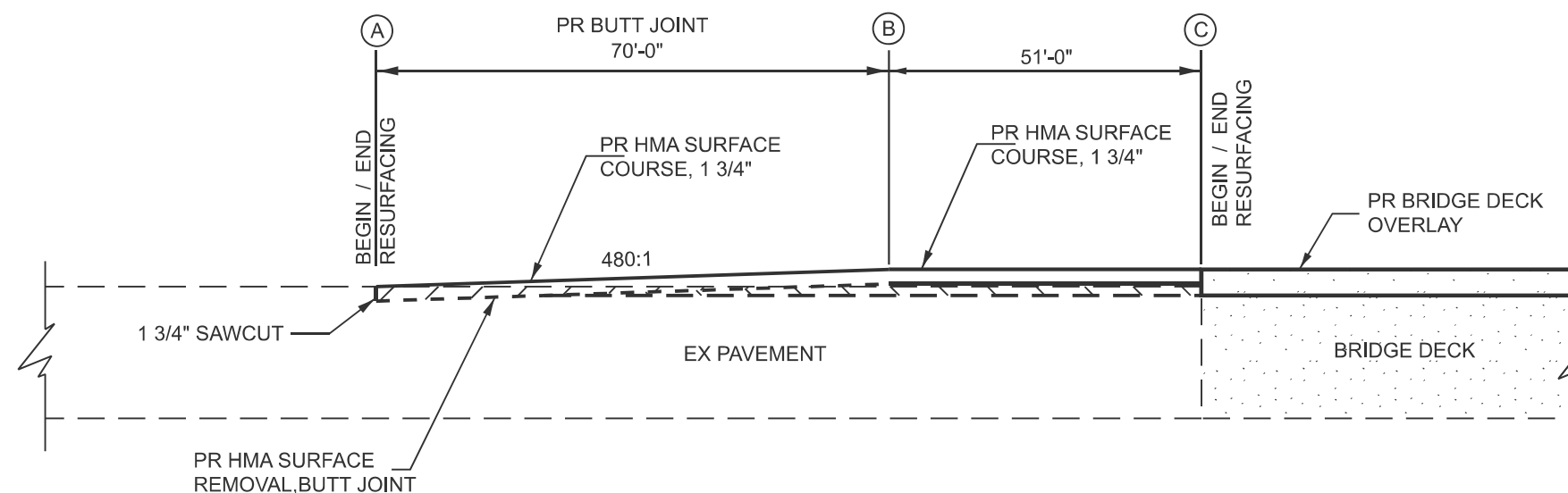
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	27
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



**EAST SIDE
HMA SURFACE REMOVAL - BUTT JOINT**

(A)	(B)	(C)	NOTES
STA. 983+20	STA. 982+50	STA. 981+85	WB I-72 RESURFACING LIMITS
STA. 983+20	STA. 982+50	STA. 981+97	EB I-72 RESURFACING LIMITS



**WEST SIDE
HMA SURFACE REMOVAL - BUTT JOINT**

(A)	(B)	(C)	NOTES
STA. 966+45	STA. 967+15	STA. 967+66	WB I-72 RESURFACING LIMITS
STA. 966+45	STA. 967+15	STA. 967+66	EB I-72 RESURFACING LIMITS

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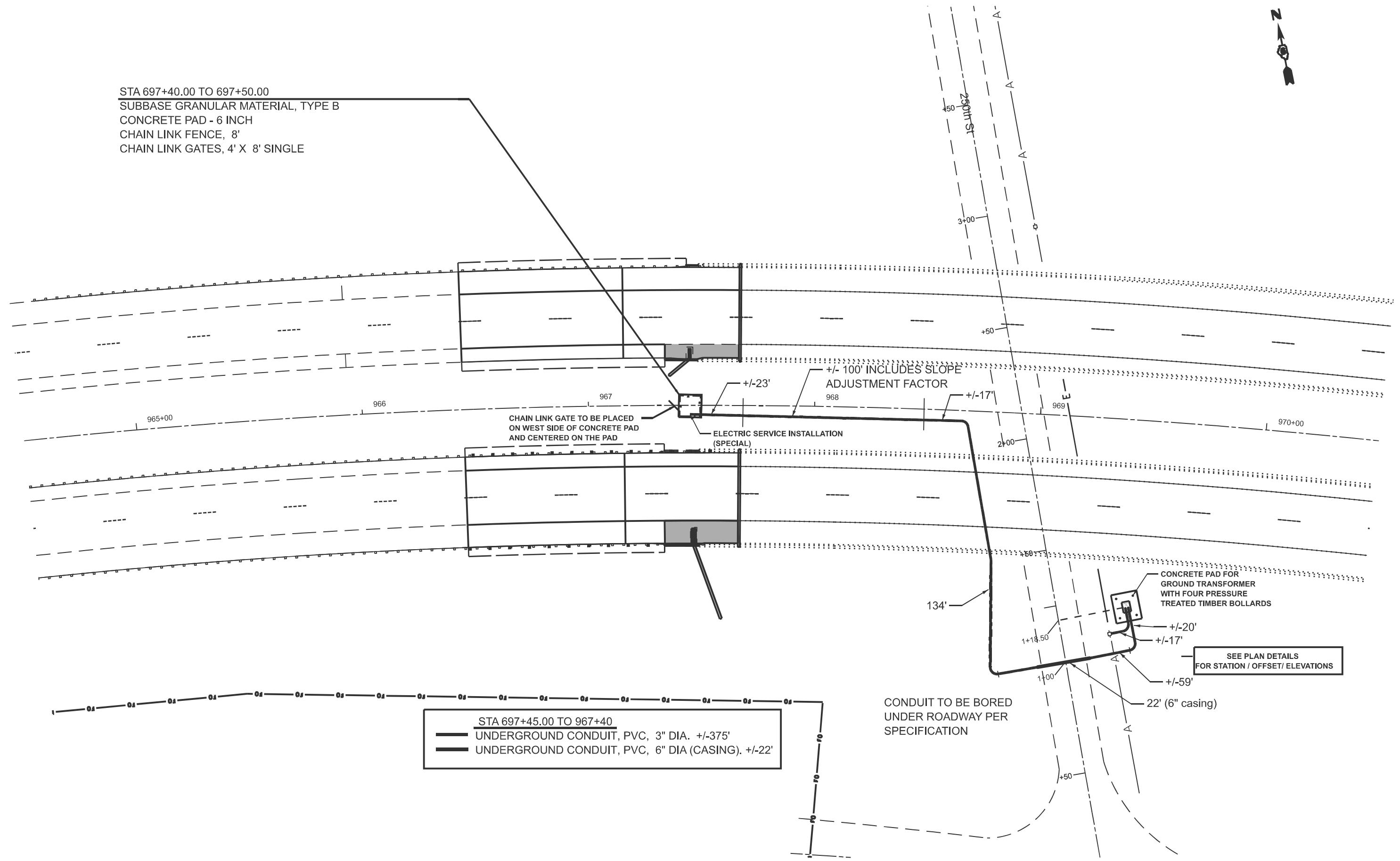
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT DETAIL
FAI 72 (I-72)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	28
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

STA 697+40.00 TO 697+50.00
 SUBBASE GRANULAR MATERIAL, TYPE B
 CONCRETE PAD - 6 INCH
 CHAIN LINK FENCE, 8'
 CHAIN LINK GATES, 4' X 8' SINGLE



STA 697+45.00 TO 967+40
 — UNDERGROUND CONDUIT, PVC, 3" DIA. +/-375'
 — UNDERGROUND CONDUIT, PVC, 6" DIA (CASING), +/-22'

SEE PLAN DETAILS FOR STATION / OFFSET/ ELEVATIONS

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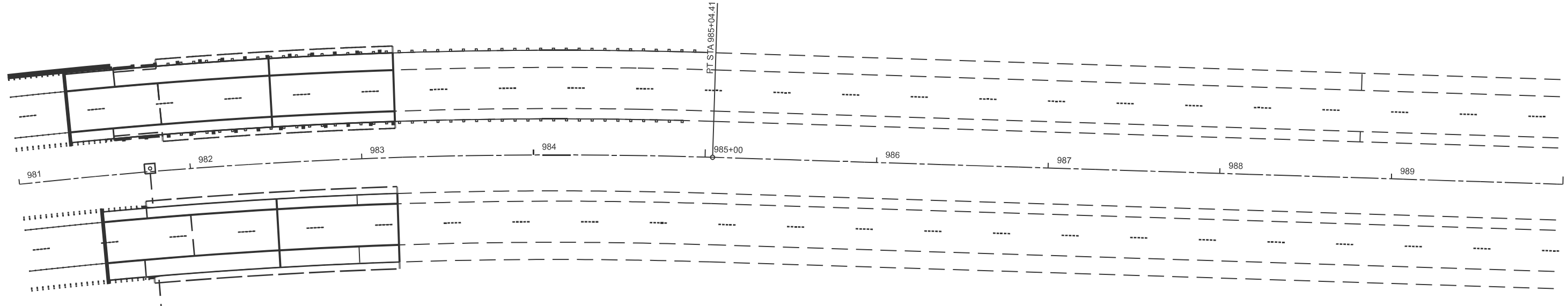
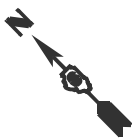
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	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RWIS PLAN SHEET
 FAI 72 (I-72)**

SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. 964+50.00 TO STA. 970+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	29
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



STA 987+16.85 TO 987+26.85
EXISTING RWIS TO BE REMOVED

MODEL: E020 - Plan 1 (Sheet)
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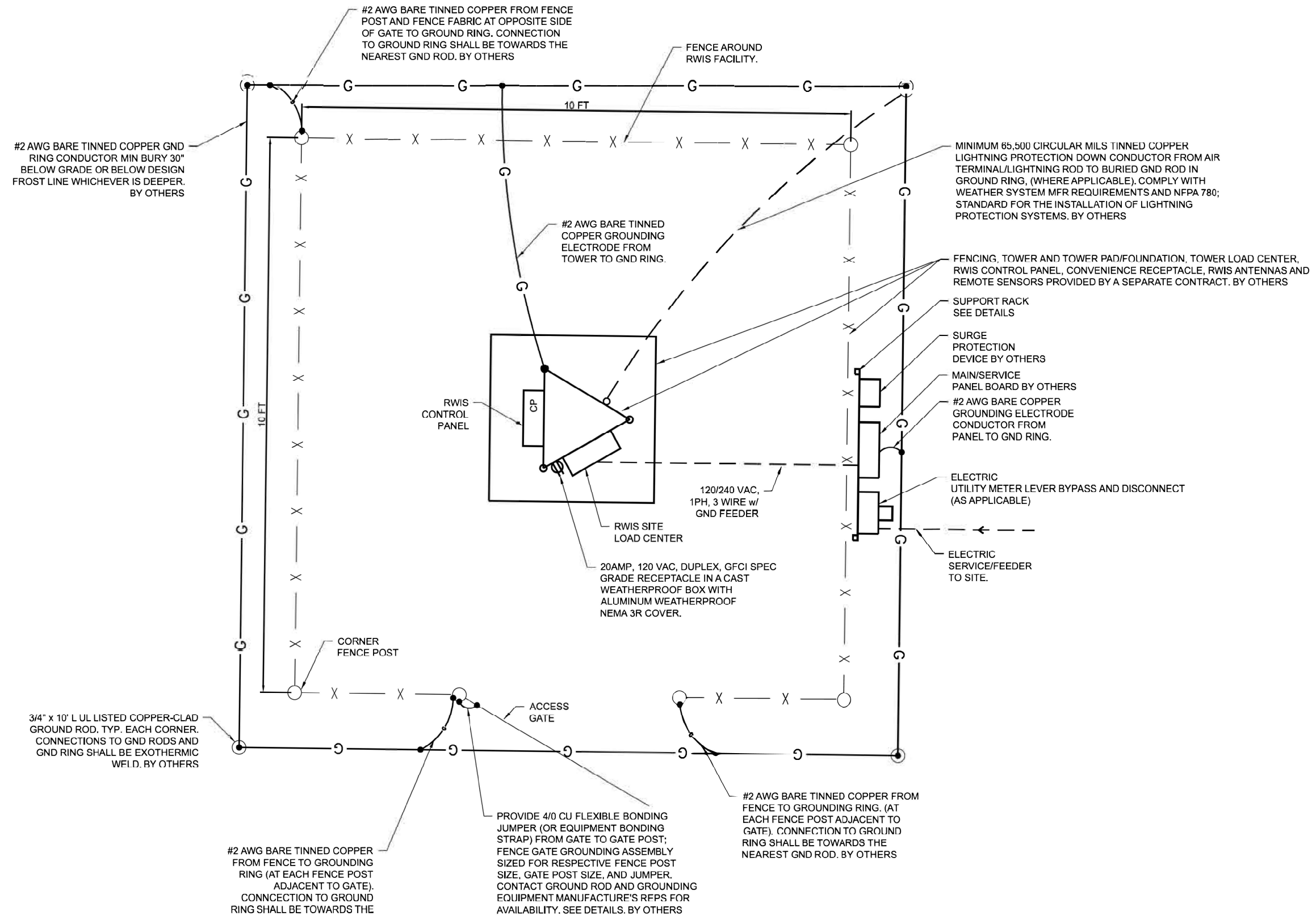
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	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RWIS PLAN SHEET
FAI 72 (I-72)**

SCALE: 1"=30' SHEET 2 OF 9 SHEETS STA. 981+00.00 TO STA. 990+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	30
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



RWIS ELECTRICAL & GROUNDING PLAN
NOT TO SCALE

MODEL: RWIS (Sheet) - 3
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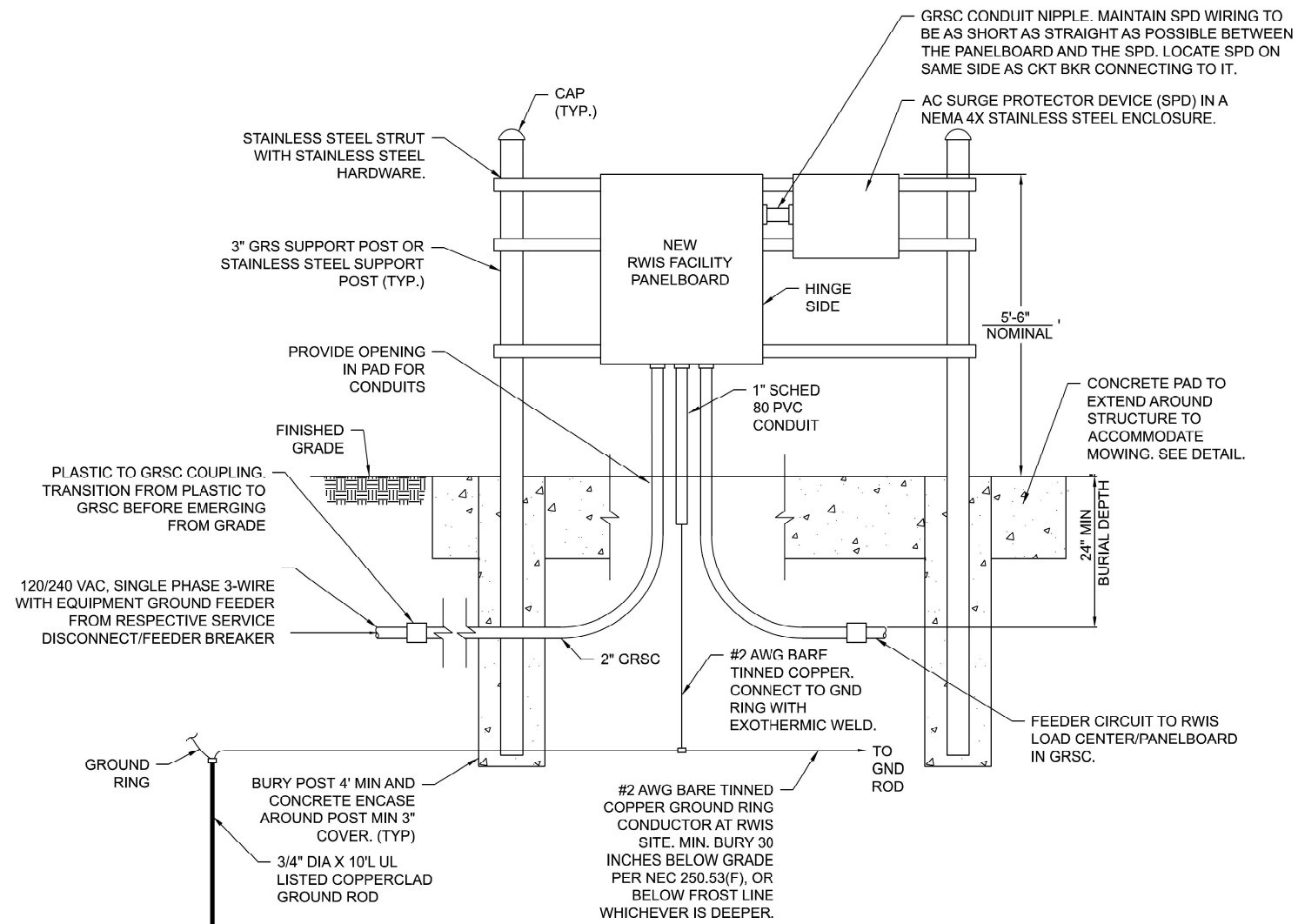
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION

FUTURE RWIS

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR.BP.BJR	PIKE	56	31
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

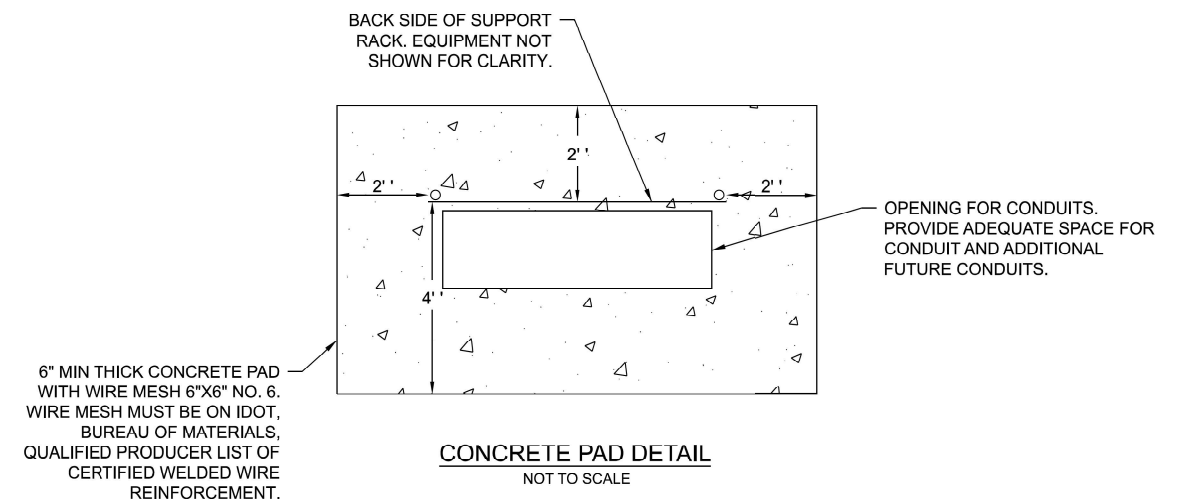


RWIS FACILITY MAIN PANEL ELEVATION
NOT TO SCALE

NOTES

- FURNISH AND INSTALL A 60 AMP MINIMUM, 120/240 VAC, 1 PHASE, 3-WIRE WITH EQUIPMENT GROUND FEEDER CIRCUIT IN 2-INCH DUCT AND CONDUIT FROM THE RESPECTIVE SERVICE DISCONNECT/FEEDER BREAKER TO THE RWIS FACILITY MAIN PANELBOARD.
- FURNISH AND INSTALL A #2 AWG BARE TINNED COPPER GROUNDING ELECTRODE CONDUCTOR FROM THE RWIS FACILITY PANELBOARD TO THE GROUND RING AT THE RWIS FACILITY.
- PROVIDE ADEQUATE CLEARANCE TO WORK AROUND AND OPERATE EQUIPMENT AND COMPLY WITH NATIONAL ELECTRICAL CODE 110.26 SPACES ABOUT ELECTRICAL EQUIPMENT.
- CONCRETE SHALL BE 4,000 PSI AT 28 DAYS. CONCRETE MIX DESIGN SHALL BE APPROVED BY IDOT.

THIS DETAIL APPLIES TO EXISTING SITES WITH ELECTRIC SERVICE LOCATED REMOTE FROM RWIS SITE.



FOR INFORMATION ONLY

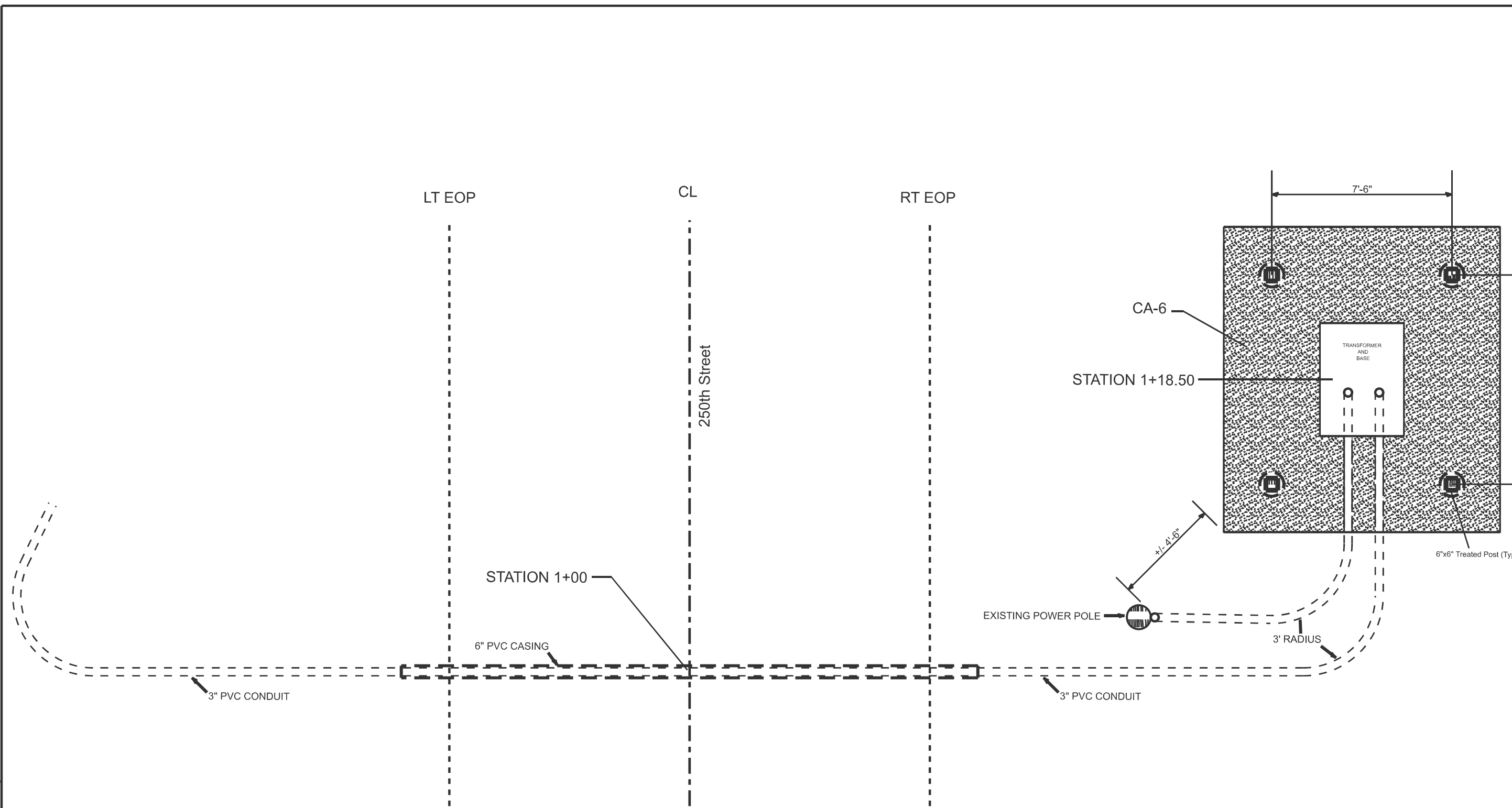
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUTURE RWIS	
FOR INFORMATION ONLY	
SCALE:	SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	32
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



PLAN VIEW

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PLOT DATE = 3/26/2026	DATE -	REVISED -

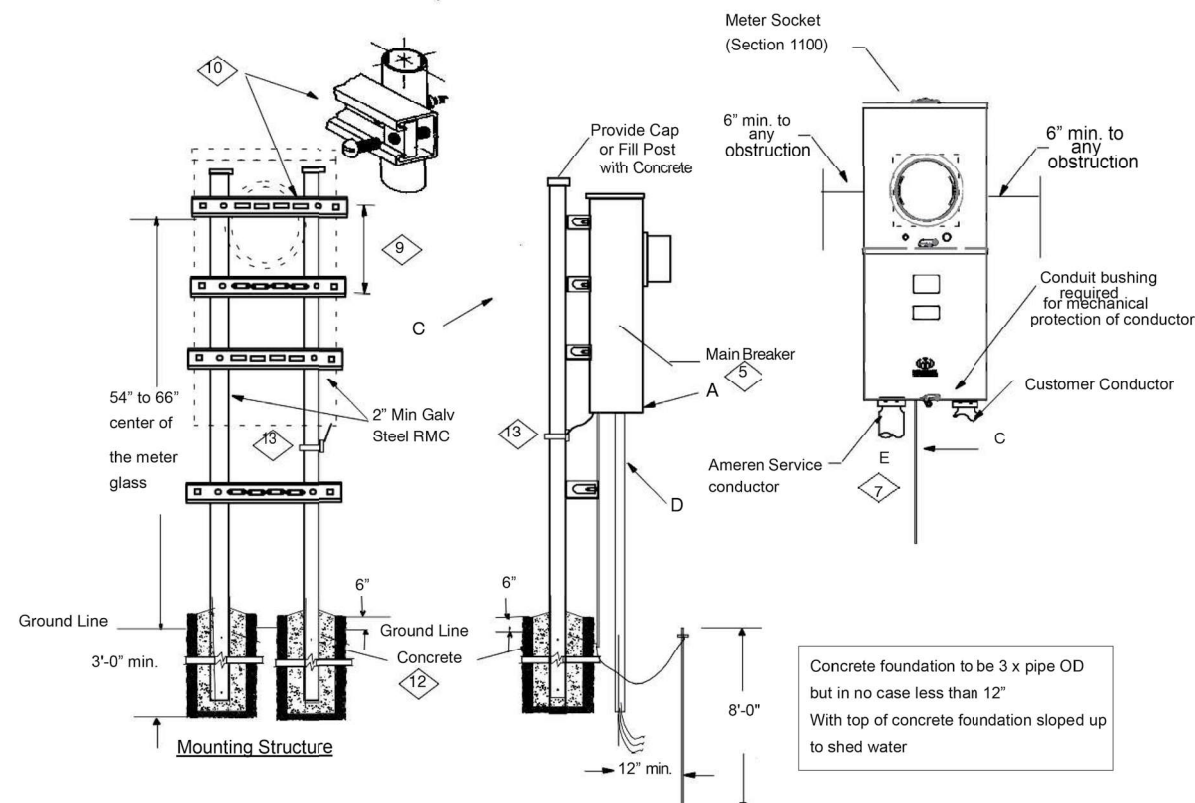
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RWIS DETAIL SHEET			
SCALE:	SHEET 5 OF 9 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	33
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

Section 700
Underground Service Installations

CUSTOMER PROVIDED METER STRUCTURE
FOR SINGLE POSITION SELF-CONTAINED METER / MAIN DISCONNECT(S)
Figure 700-10



For Information Only

Section 700
Underground Service Installations

CUSTOMER PROVIDED METER STRUCTURE
FOR SINGLE POSITION SELF-CONTAINED METER / MAIN DISCONNECT(S)
Figure 700-10

CONSTRUCTION NOTE(S): (FIGURE 700-10)

1. The installation of all entrance equipment, conductors and conduit shall conform to local codes or the latest NEC requirements.
2. All material shall be furnished and installed by customer.
3. Approved bonding / grounding as required by local inspection authority or latest version of NEC. Refer to **ASM Section 500**.
4. Different arrangements of the service equipment (fuse / breaker box) may be used side-by-side or below meter socket.
5. Refer to **ASM Section 1100** for meter sockets or combo unit's requirement.
6. Refer to **ASM Section 200** for meter socket mounting height.
7. An expansion coupling is only required for a continuous conduit system, where bend (sweeps) is buried below the meter socket, and where the riser conduit emerges from grade through a concrete slab that does not have an oversized hole (e.g., concrete not adhered to riser).
8. Wooden, stand-alone support structures are not allowed.
9. Space Unistrut channel to match meter socket mounting holes. The meter must maintain 36 in. min to 66 in. max height from the ground line.
10. Provide Unistrut, P1100T, 1-5/8 in. x 1 in., 14 gage, deep slotted channel required to mount metering transformer enclosure.
11. This structure is to be used only for locations that have a self-contained meter socket and main disconnect or where only an instrument rated meter socket is mounted beside a switchboard. For all other locations, refer to **ASM Figure 700-11** for construction of a heavier structure.
12. Foam or loose gravel backfill is not allowed.
13. Extend bonding jumper from meter socket / meter-main combo to the nearest vertical support pipe.

NOTE	ITEM	DESCRIPTION – MATERIAL LIST FOR FIGURE 700-10
5	A	Meter Socket, Clamp Jaw Lever Bypass. Refer to BuildWithAmeren.com
	C	1/2 in. PVC Conduit
	D	Conduit-Electrical Grade Sch 80 PVC
7	E	Expansion Coupling, Sch 40 PVC, 8 in. fall



ELECTRIC SERVICE
MANUAL

700-35
11/01/2022



ELECTRIC SERVICE
MANUAL

700-36
11/01/2022

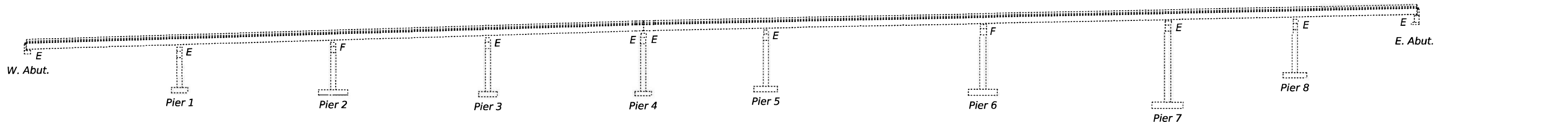
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	DRAWN -	REVISED -
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PLOT DATE = 3/26/2026	DATE -	REVISED -

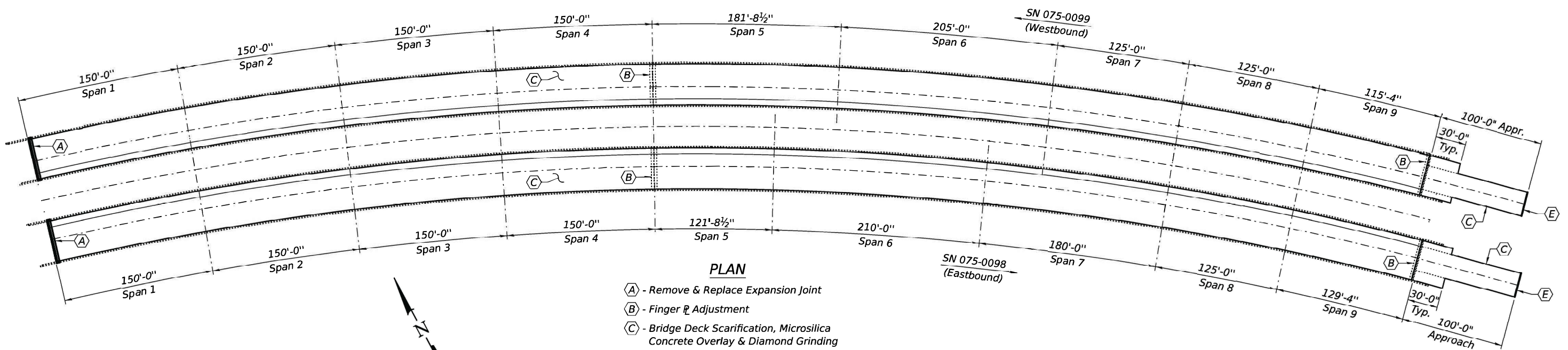
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RWIS FOR INFORMATION ONLY	
SCALE:	SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	36
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

- (A) - Remove & Replace Expansion Joint
- (B) - Finger & Adjustment
- (C) - Bridge Deck Scarification, Microsilica Concrete Overlay & Diamond Grinding
- (D) - Girder 5 to be Strengthened at West Abutment & Pier 4 on SN 075-0099 (W.B.)
- (E) - Polymer Concrete Nosing

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts 3/4"Ø, holes 13/16"Ø, unless otherwise noted.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC-SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 3/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repairs.

Reinforcement bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the contractor's expense.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

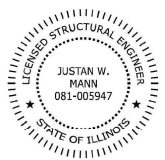
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Cleaning and painting of the existing and new structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. 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 beam shall be Interstate Green, Munsell No. 7.5G 4/8.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	10.8
Concrete Superstructure	Cu. Yd.	11
Reinforcement Bars, Epoxy Coated	Pound	1480
Bar Splicers	Each	24
Preformed Joint Strip Seal	Foot	84
** Bridge Deck Scarification, 3/4"	Sq. Yd.	12697
** Bridge Deck Microsilica Concrete Overlay, 2 3/4"	Sq. Yd.	12697
** Diamond Grinding (Bridge Section)	Sq. Yd.	11949
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	7250
Structural Steel Repair	Pound	38900
Polymer Concrete	Cu. Ft.	3.5
Cleaning and Painting Steel Bridge, No. 1	L. Sum	1
Cleaning and Painting Steel Bridge, No. 2	L. Sum	1
Containment and Disposal of Non-Lead Paint Cleaning Residues, No. 1	L. Sum	1
Containment and Disposal of Non-Lead Paint Cleaning Residues, No. 2	L. Sum	1
Roadway Lighting Conduit Removal	L. Sum	1
* Protective Coat	Sq. Yd.	12022

* Applied on new concrete only.
 ** Bridge Deck and East Approach are included.



Expires: November 30, 2026

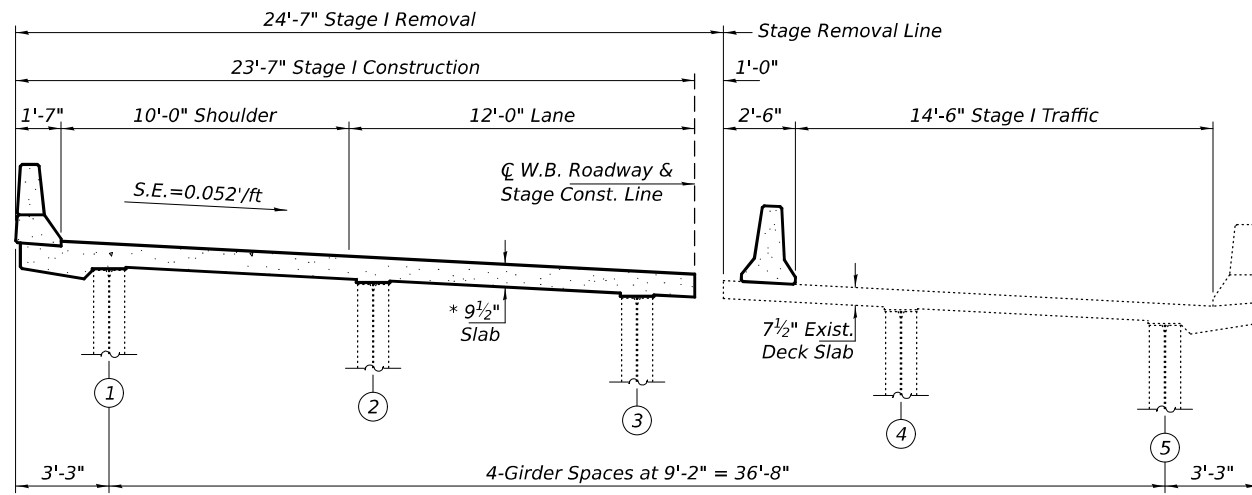
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DESIGNED - Chieh-Cheng Chen	EXAMINED - Justin W. Mann ENGINEER OF STRUCTURAL SERVICES	DATE - MAY 5, 2026
CHECKED - Stephen M. Ryan	PASSED - Justin W. Mann ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - STEF FIN		REVISED -
CHECKED - CCC SMR		

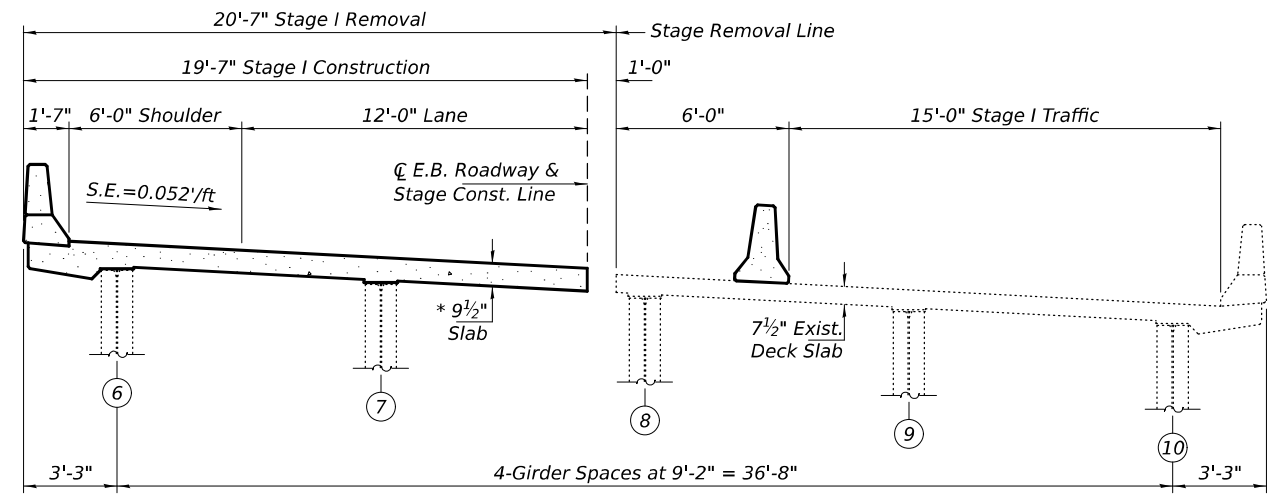
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
F.A.I. 72 OVER TR 92 & 149, NSRR AND HADLEY CREEK
SN 075-0098 (E.B.) & -0099 (W.B.)

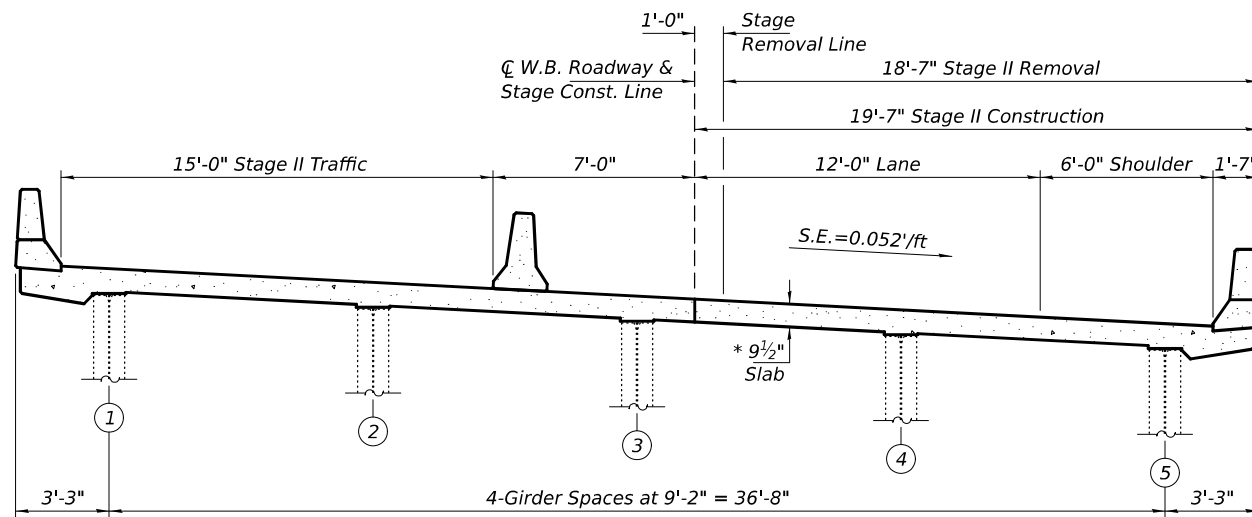
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CONTRACT NO. 72601			ILLINOIS FED. AID PROJECT	



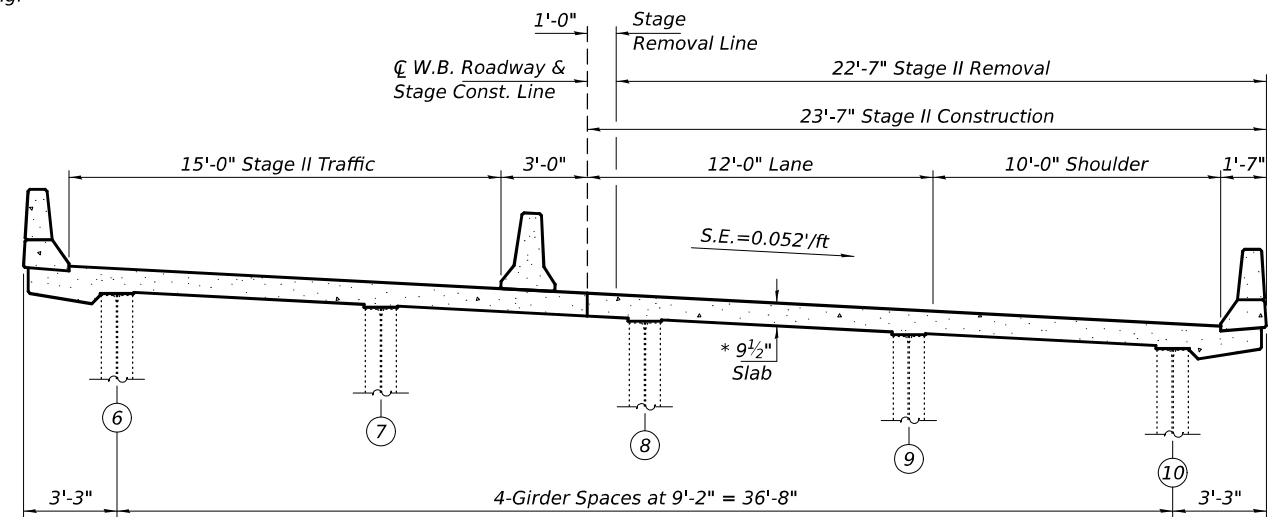
CROSS-SECTION THRU STAGE I AT W. ABUT. (SN 075-0099 W.B.)
(Looking East)
All horizontal dimensions are given radially.



CROSS-SECTION THRU STAGE I AT W. ABUT. (SN 075-0098 E.B.)
(Looking East)
All horizontal dimensions are given radially.

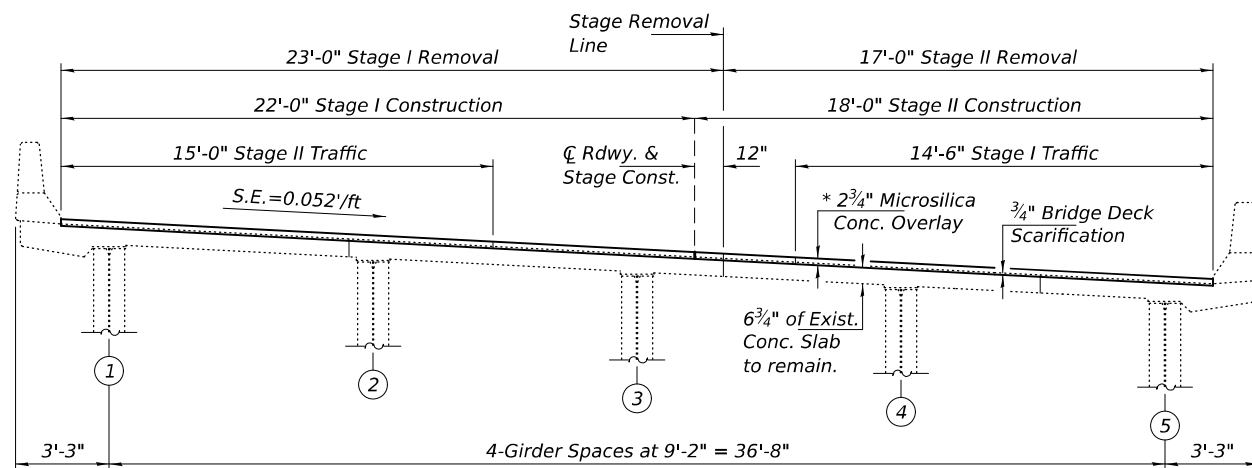


CROSS-SECTION THRU STAGE II AT W. ABUT. (SN 075-0099 W.B.)
(Looking East)
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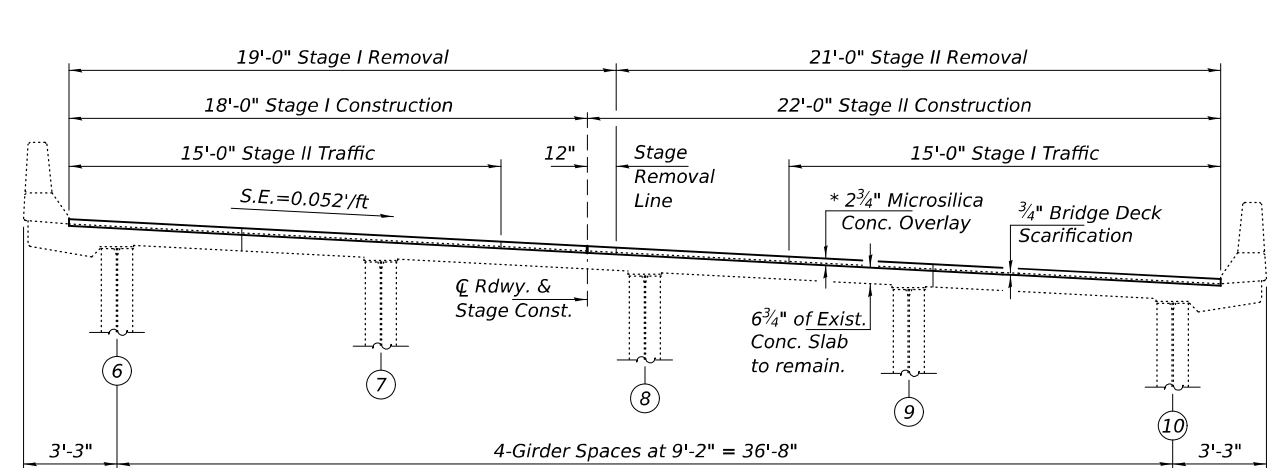


CROSS-SECTION THRU STAGE II AT W. ABUT. (SN 075-0098 E.B.)
(Looking East)
All horizontal dimensions are given radially.

* Prior to 3/4" Diamond Grinding.



CROSS-SECTION THRU MID-SPAN (SN 075-0099 W.B.)
(Looking East)
All horizontal dimensions are given radially.



CROSS-SECTION THRU MID-SPAN (SN 075-0098 E.B.)
(Looking East)
All horizontal dimensions are given radially.

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DESIGNED - CCC	EXAMINED	DATE - MAY 5, 2026
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - STEFFEN	PASSED	REVISER -
CHECKED - CCC SMR	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISER -

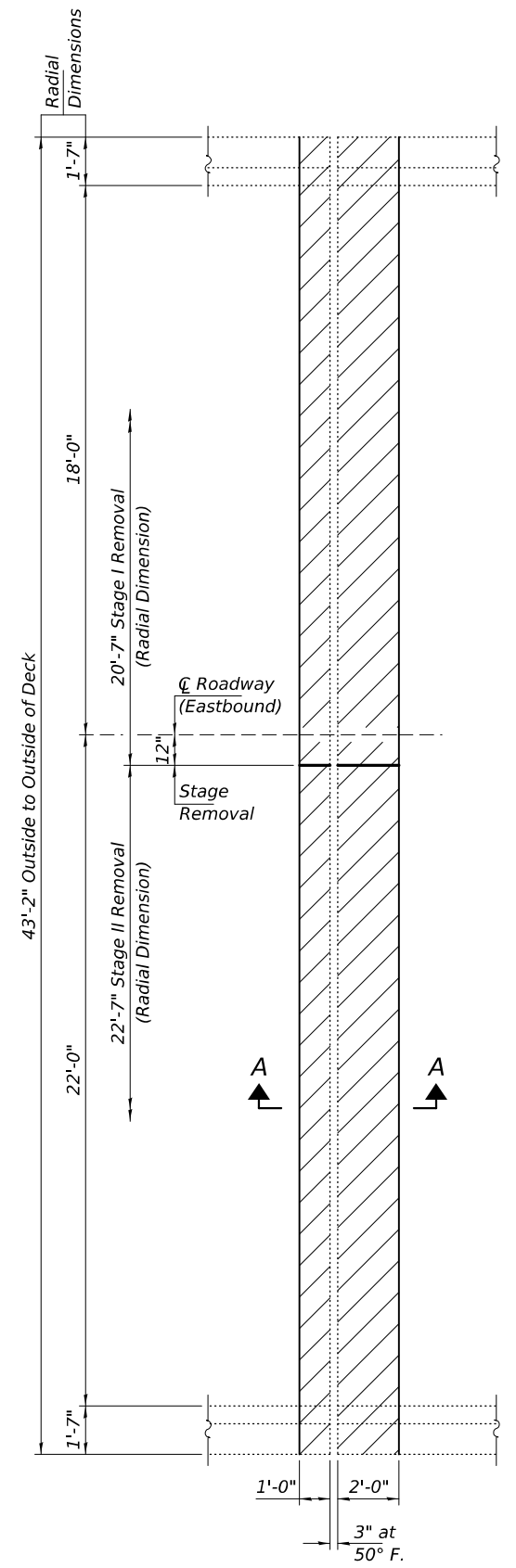
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAILS
SN 075-0098 (E.B.) & -0099 (W.B.)

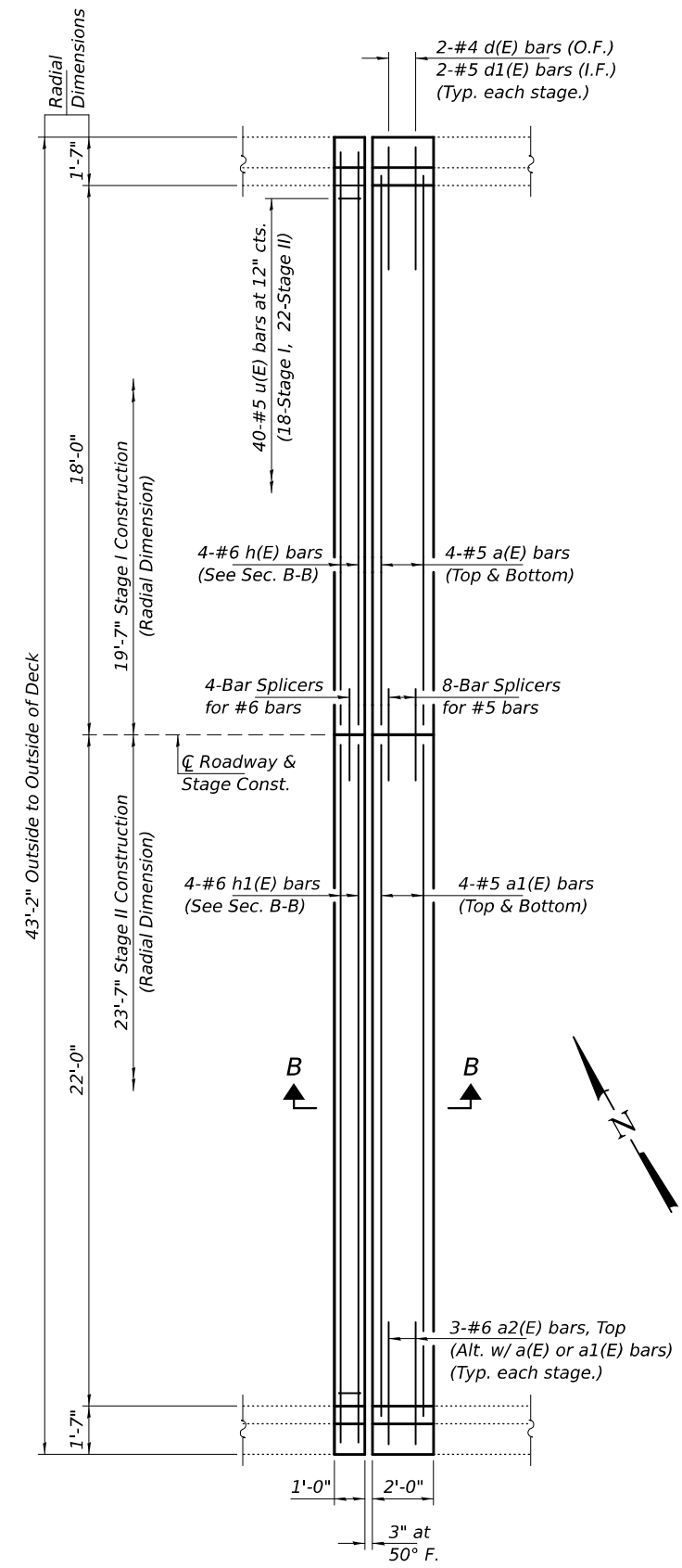
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72	(75-3VHB-1)BDR, BP, BJR	PIKE	56	39
CONTRACT NO. 72601				

SHEET 2 OF 19 SHEETS		ILLINOIS FED. AID PROJECT	
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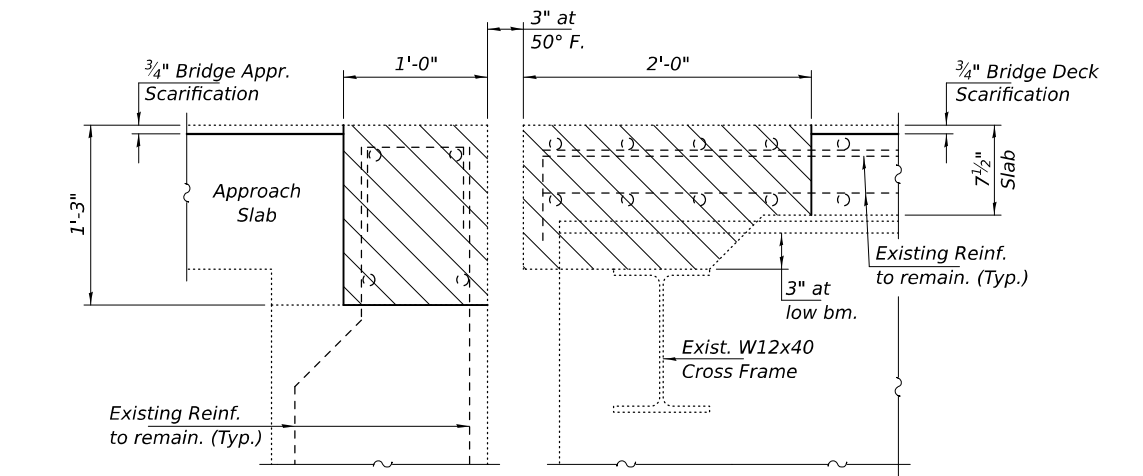
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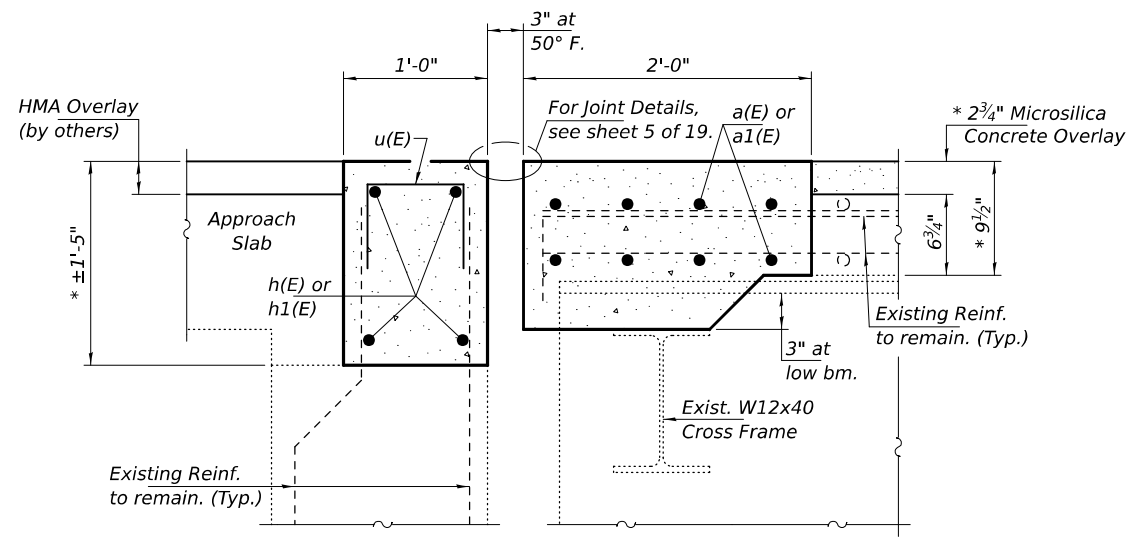
CONCRETE REMOVAL PLAN



CONCRETE REPLACEMENT PLAN



SECTION A-A



SECTION B-B

* Prior to 1/4" Diamond Grinding.

BILL OF MATERIAL (075-0098 E.B.)

Bar	No.	Size	Length	Shape
a(E)	8	#5	18'-6"	—
a1(E)	8	#5	22'-6"	—
a2(E)	6	#6	4'-0"	—
d(E)	4	#4	5'-2"	L
d1(E)	4	#5	3'-11"	U
h(E)	4	#6	19'-3"	—
h1(E)	4	#6	23'-3"	—
u(E)	40	#4	1'-10"	□
Concrete Removal			Cu. Yd.	5.4
Concrete Superstructure			Cu. Yd.	5.5
Bar Splicers			Each	12
Reinforcement Bars, Epoxy Coated			Pound	740

Notes:
 Hatched areas indicate Concrete Removal.
 For Parapet Details and Reinforcement Bending Details, see sheet 4 of 19.

DESIGNED - CCC	EXAMINED
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES
DRAWN - STEFFEN	PASSED
CHECKED - CCC SMR	ACTING ENGINEER OF BRIDGES AND STRUCTURES

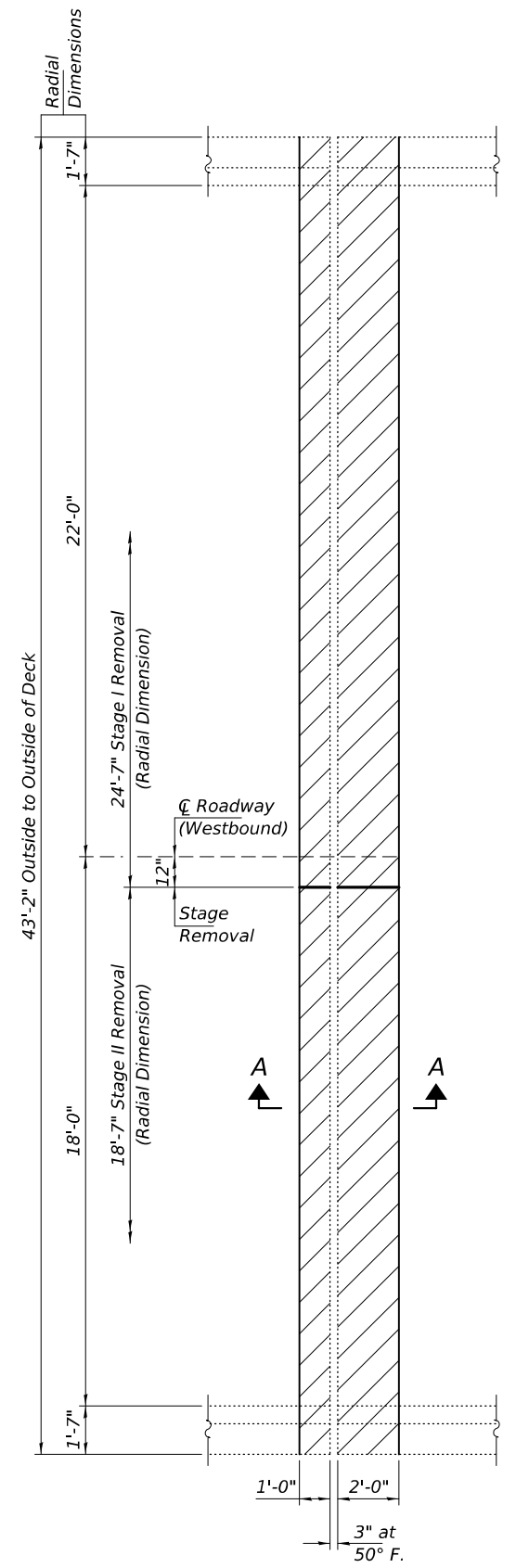
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 REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

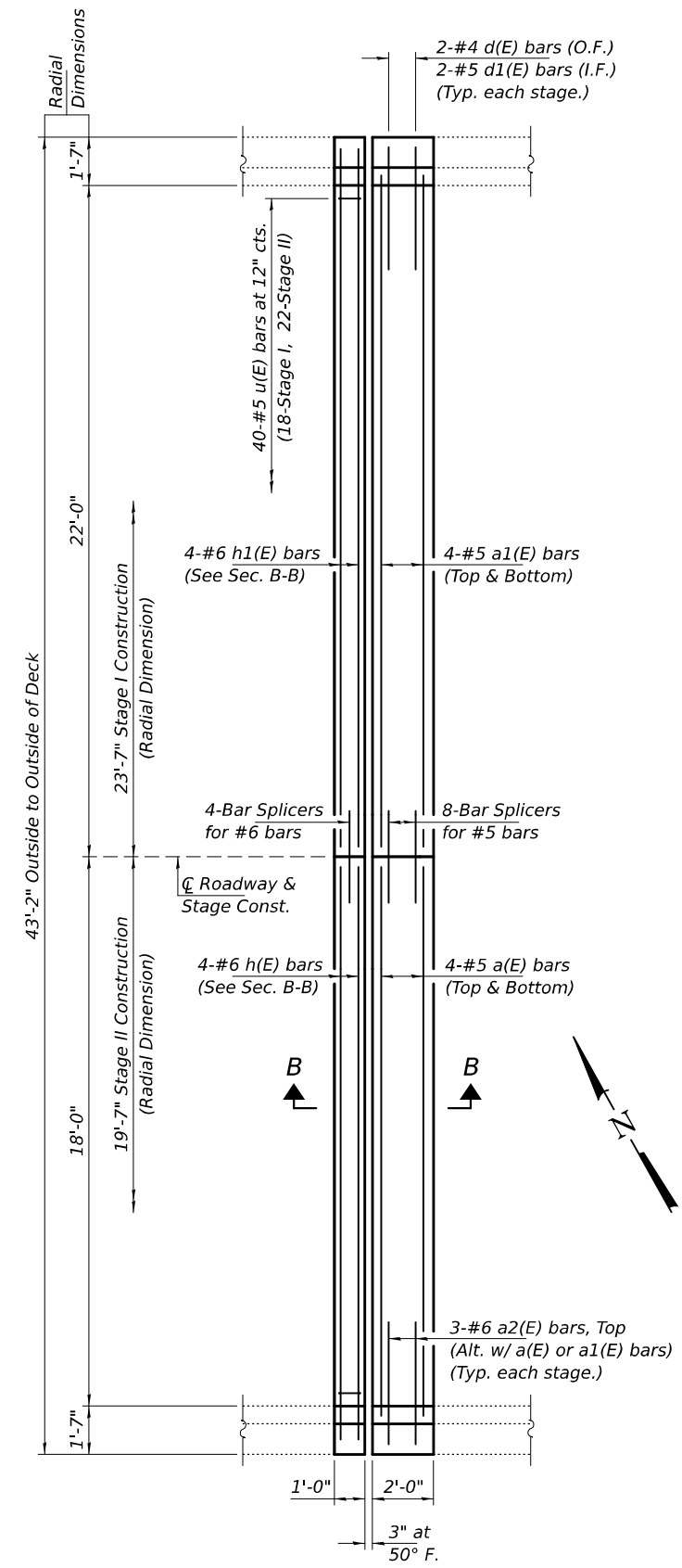
WEST ABUT. JOINT REMOVAL & REPLACEMENT DETAILS
 SN 075-0098 (E.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	40
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

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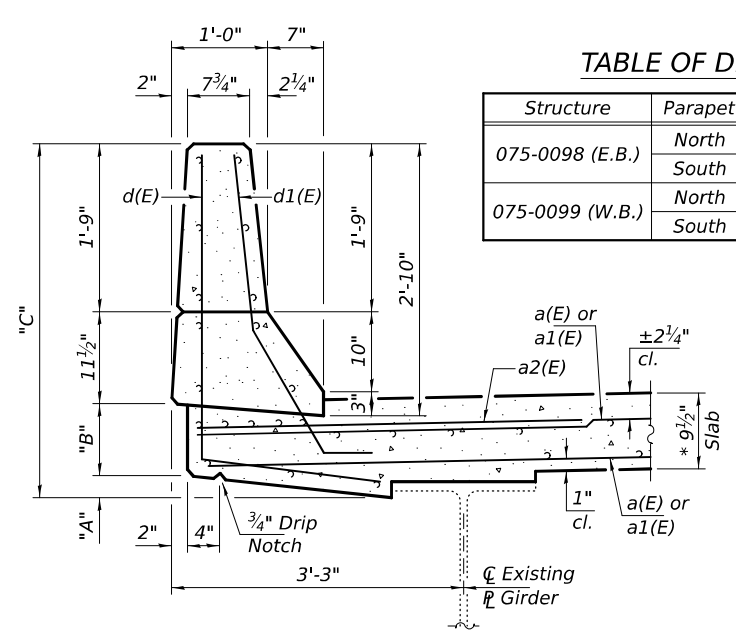


CONCRETE REMOVAL PLAN



CONCRETE REPLACEMENT PLAN

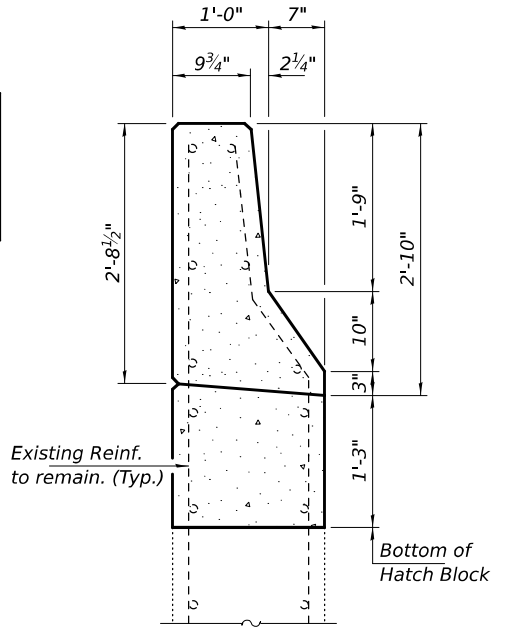
Notes:
 Hatched areas indicate Concrete Removal.
 For Sections A-A & B-B, see sheet 3 of 19.



BRIDGE PARAPET DETAILS

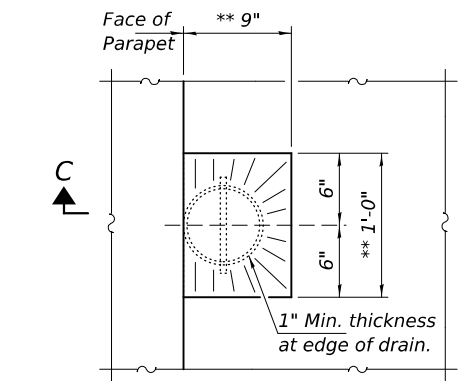
TABLE OF DIMENSIONS

Structure	Parapet	"A"	"B"	"C"
075-0098 (E.B.)	North	5"	10 1/8"	3'-11 5/8"
	South	4 1/8"	9"	3'-9 5/8"
075-0099 (W.B.)	North	5"	10 3/4"	4'-0 1/4"
	South	4 3/4"	9"	3'-10 1/4"

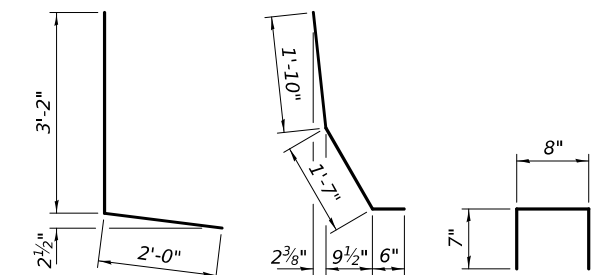


APPROACH PARAPET DETAILS

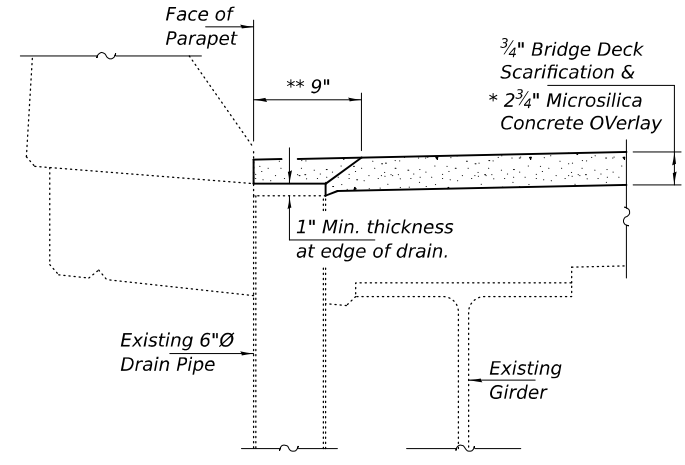
* Prior to 3/4" Diamond Grinding.
 ** Sloped to drain.



OVERLAY TREATMENT AT DRAIN DETAIL



BAR d(E) BAR d1(E) BAR u(E)



SECTION C-C

BILL OF MATERIAL (075-0099 W.B.)

Bar	No.	Size	Length	Shape
a(E)	8	#5	18'-6"	—
a1(E)	8	#5	22'-6"	—
a2(E)	6	#6	4'-0"	—
d(E)	4	#4	5'-2"	L
d1(E)	4	#5	3'-11"	L
h(E)	4	#6	19'-3"	—
h1(E)	4	#6	23'-3"	—
u(E)	40	#4	1'-10"	□
Concrete Removal			Cu. Yd.	5.4
Concrete Superstructure			Cu. Yd.	5.5
Bar Splicers			Each	12
Reinforcement Bars, Epoxy Coated			Pound	740

DESIGNED - CCC	EXAMINED
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES
DRAWN - STEFFEN	PASSED
CHECKED - CCC SMR	ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MAY 5, 2026
 REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WEST ABUT. JOINT REMOVAL & REPLACEMENT DETAILS
 SN 075-0099 (W.B.)

F.A.I. RTE. 72	SECTION (75-3VHB-1)BDR,BP,BJR	COUNTY PIKE	TOTAL SHEETS 56	SHEET NO. 41
CONTRACT NO. 72601			ILLINOIS FED. AID PROJECT	

NOTES

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

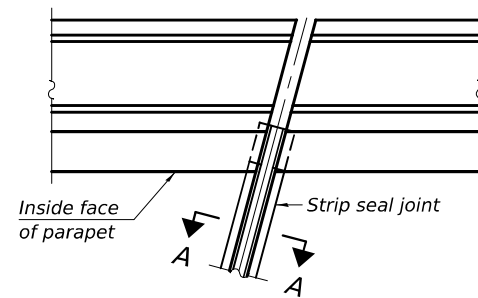
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

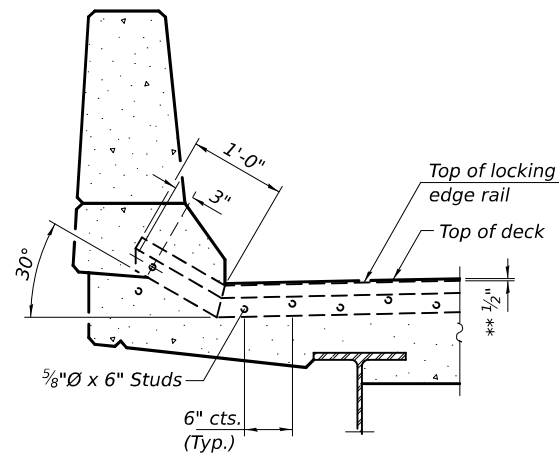
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

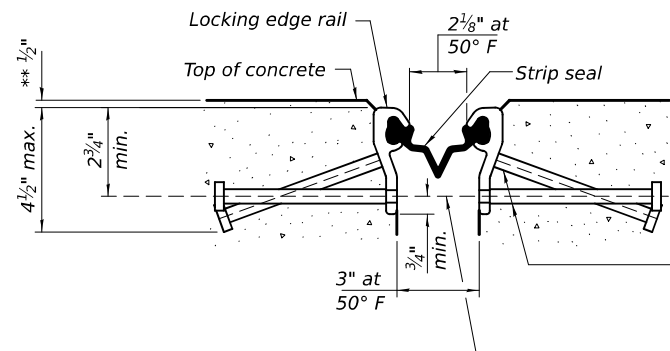


FOR SKEWS ≤ 30°
PLAN AT PARAPET



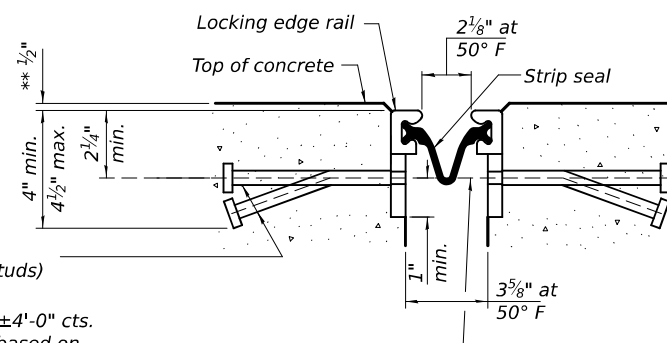
SECTION THRU PARAPET

** Prior to 1/4" Diamond Grinding.



SHOWING ROLLED RAIL JOINT

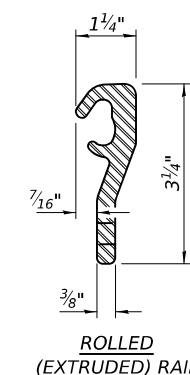
* 5/8"Ø x 6" studs at 6" cts. (alternate angled/bent studs with horizontal studs)
3/8"Ø threaded rods in 7/16"Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



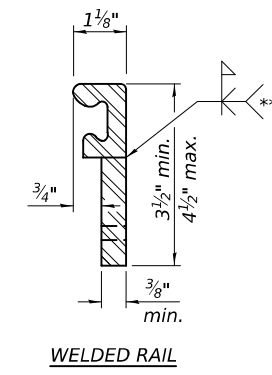
SHOWING WELDED RAIL JOINT

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



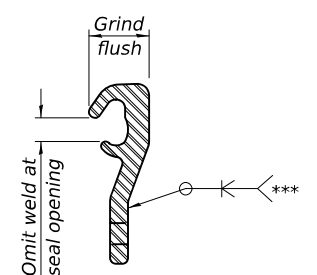
ROLLED (EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

*** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	84

MODEL: 72601-042
FILE NAME: p:\dot-pw-bentley.com\FWIDOT\Documents\DOT O ces\Bureau of Bridges and Structures\OBM Projects\0750098\CADDData\Structures\07500988.dgn

DESIGNED - CCC	EXAMINED
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES
DRAWN - STEFFEN	PASSED
CHECKED - CCC SMR	ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MAY 5, 2026
REVISIONS:
REVISION -
REVISION -

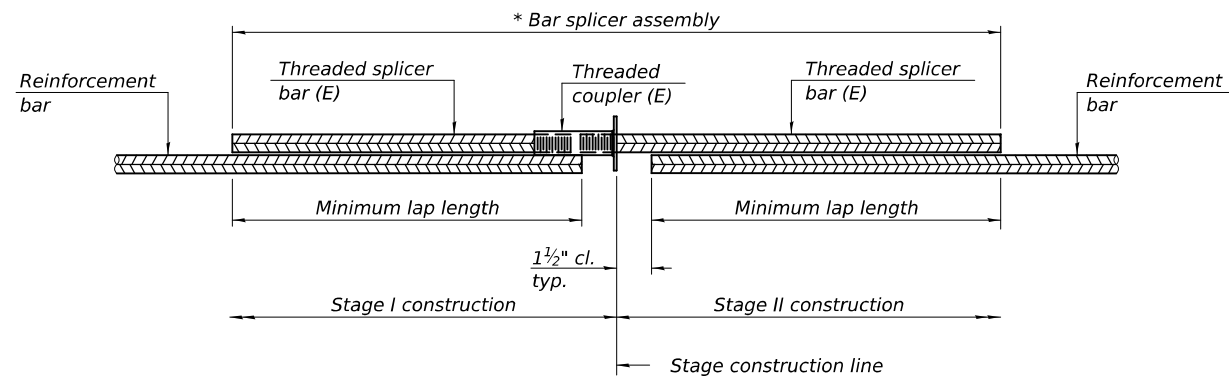
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PREFORMED JOINT STRIP SEAL DETAILS
SN 075-0098 (E.B.) & -0099 (W.B.)**

SHEET 5 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR, BP, BJR	PIKE	56	42
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

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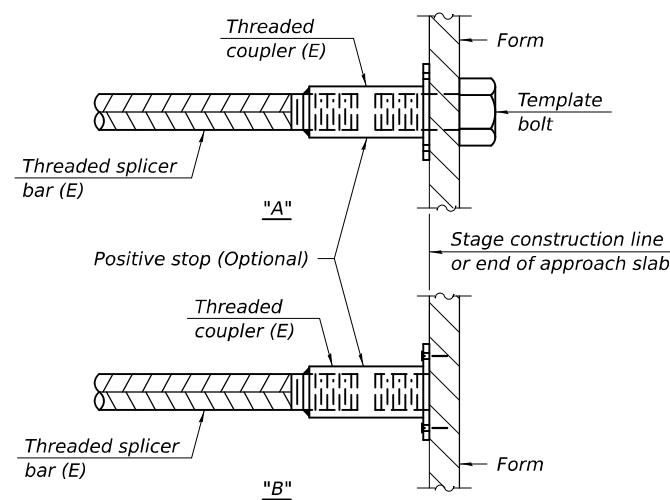
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Hatchblock	#6	8	4'-5"
Deck	#5	16	3'-10"

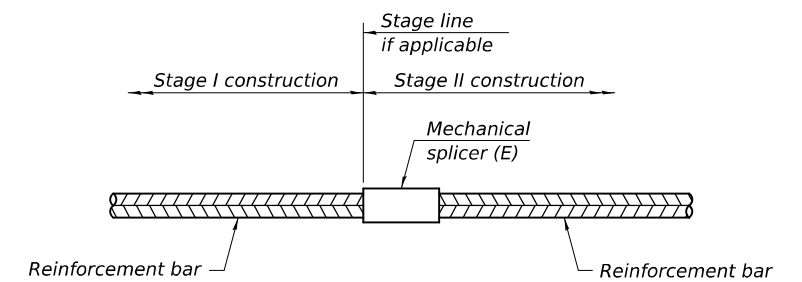


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

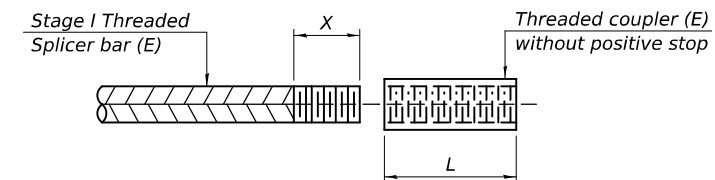
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: 72601-043
FILE NAME: p:\dot-pw-bentley.com\FWIDOT\Documents\DOT_O_ces\Bureau of Bridges and Structures\OBM Projects\0750098\CADData\Structures\07500988.dgn

BSD-1

4-4-2025

DESIGNED - CCC	EXAMINED
CHECKED - SMR	PASSED
DRAWN - STEFFEN	
CHECKED - CCC SMR	

DATE - MAY 5, 2026

 JUSTIN W. MANN
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

REVISD -
REVISD -

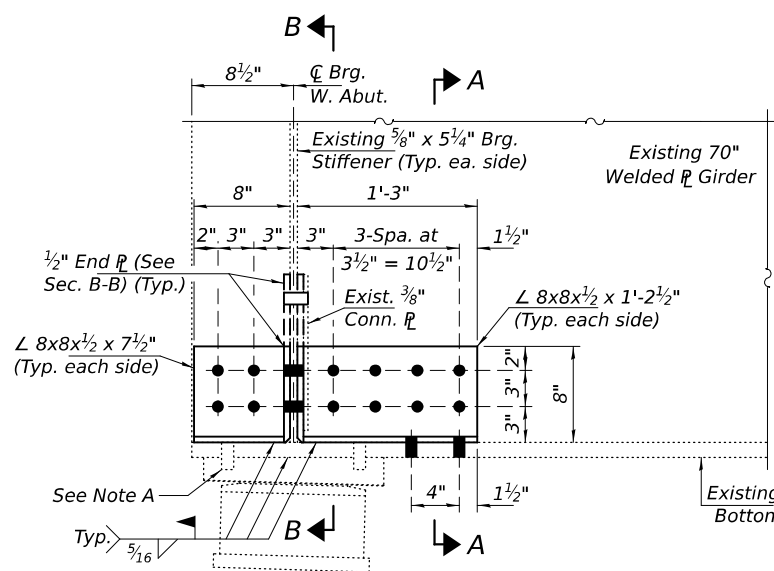
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY & MECHANICAL SPLICER DETAILS
SN 075-0098 (E.B.) & -0099 (W.B.)

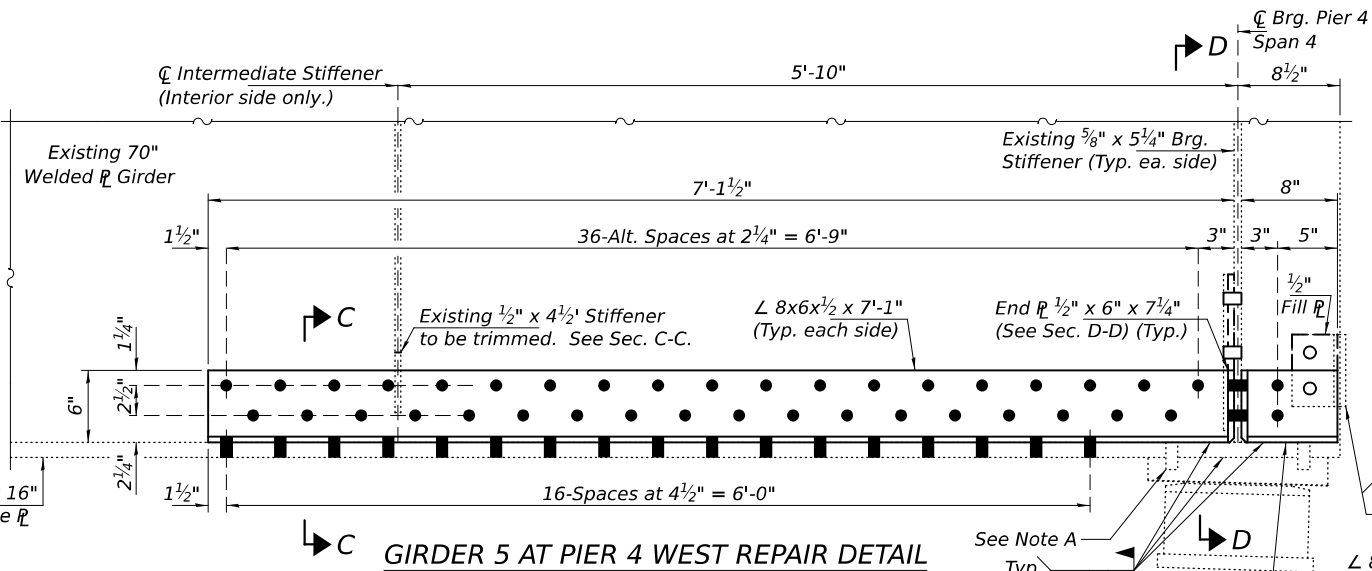
SHEET 6 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	43
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

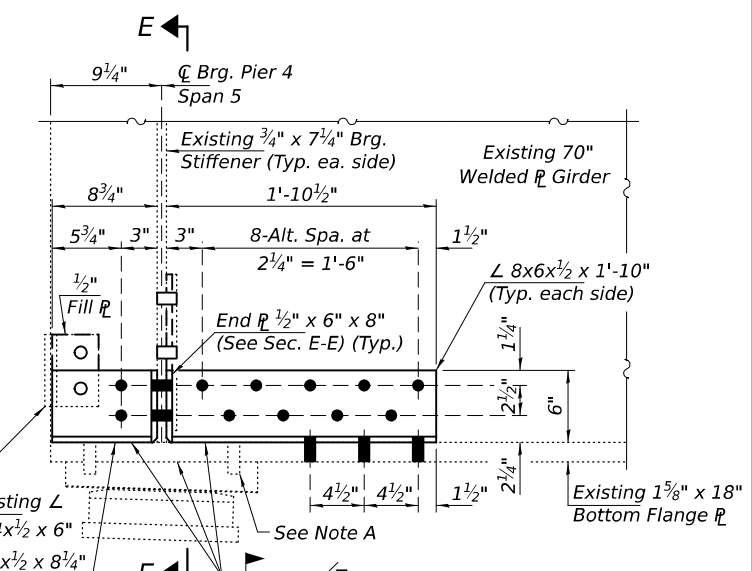
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GIRDER 5 AT WEST ABUT. REPAIR DETAIL
(Looking North)



GIRDER 5 AT PIER 4 WEST REPAIR DETAIL
(Looking North)

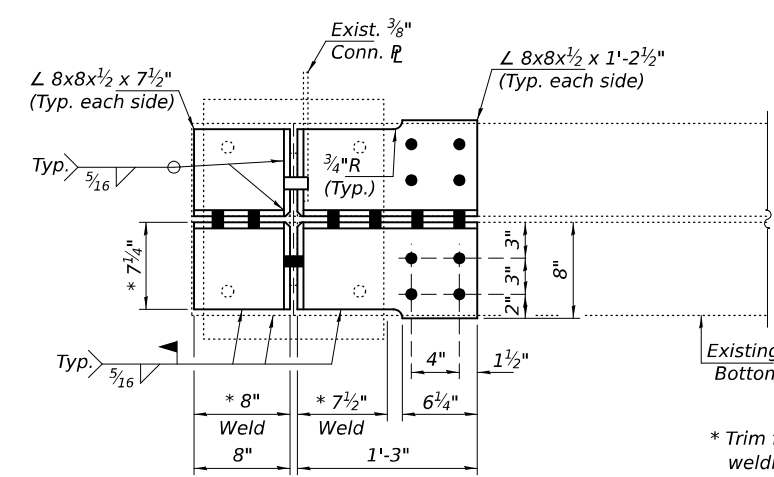


GIRDER 5 AT PIER 4 EAST REPAIR DETAIL
(Looking North)

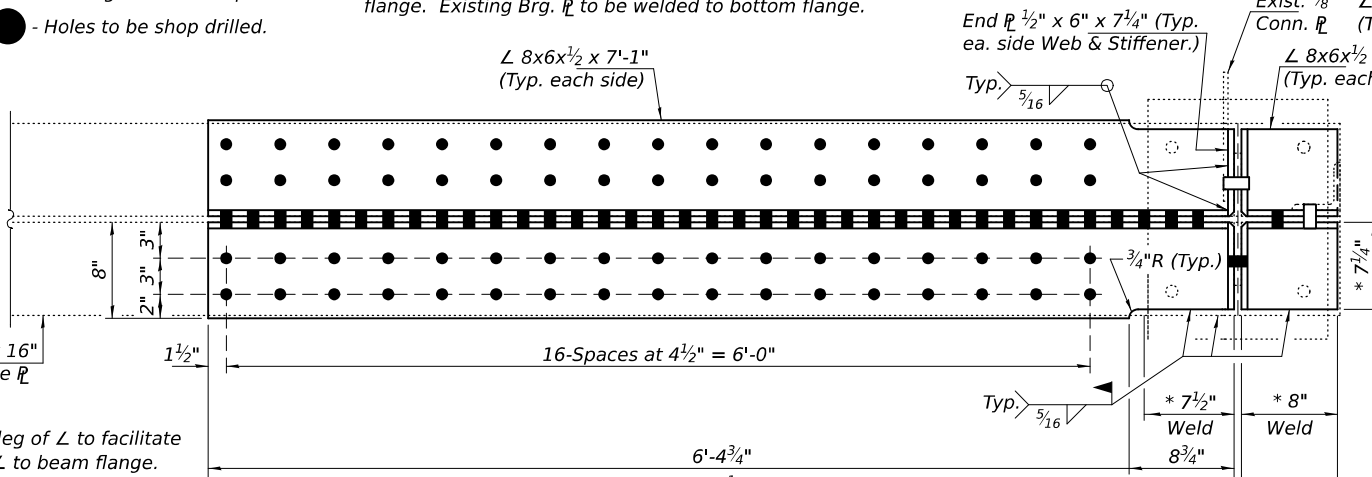
BOLT HOLE LEGEND

- - Holes to be field drilled using existing steel as template.
- - Holes to be shop drilled.

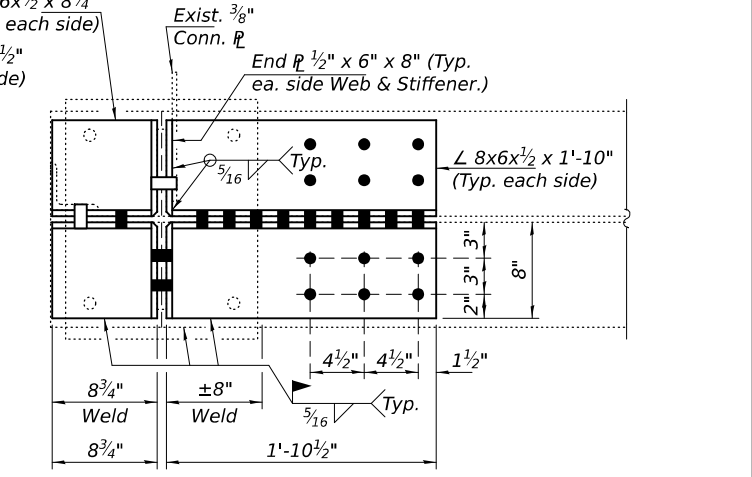
Note A:
Existing Brg. Studs to be cut flush with top of bottom flange. Existing Brg. \bar{r} to be welded to bottom flange.



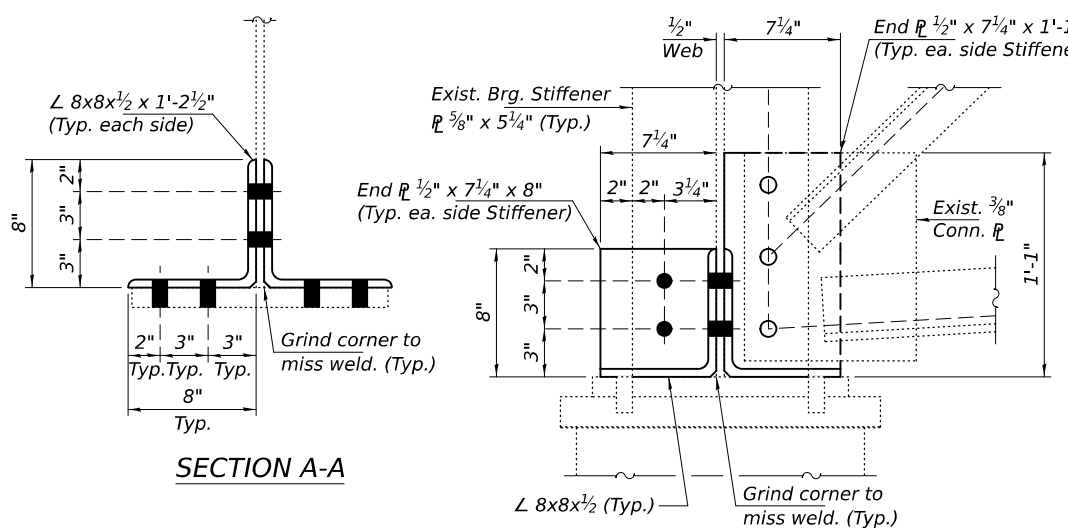
GIRDER 5 AT WEST ABUT. REPAIR PLAN



GIRDER 5 AT PIER 4 WEST REPAIR PLAN

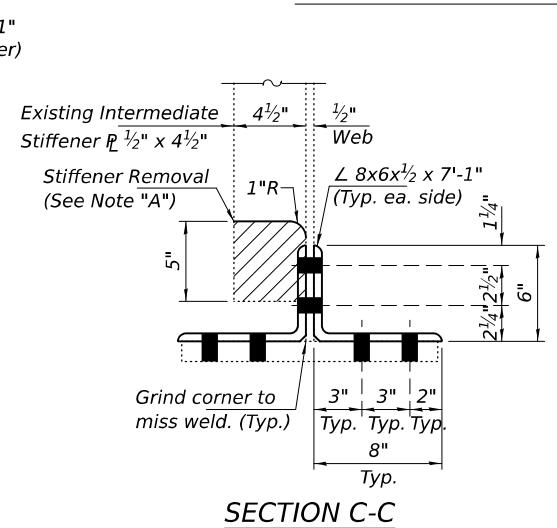


GIRDER 5 AT PIER 4 EAST REPAIR PLAN

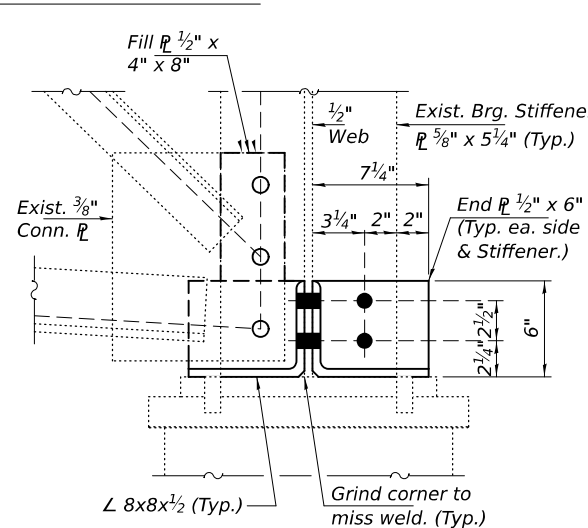


SECTION A-A

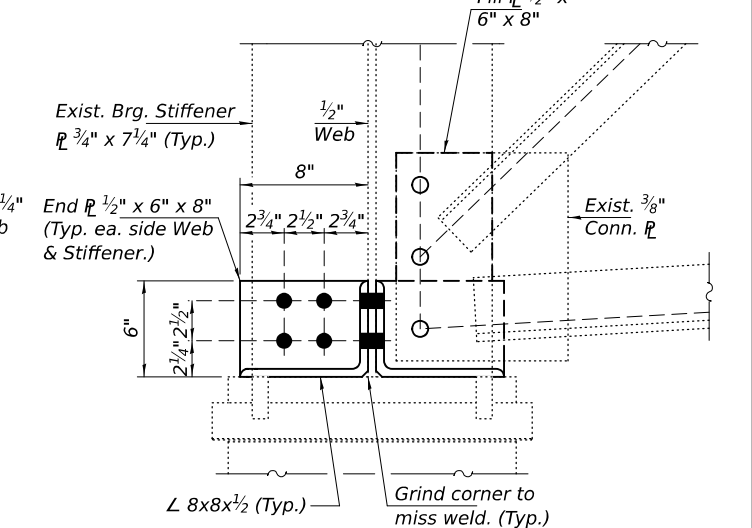
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

Note "A":
Existing intermediate stiffener to be removed as detailed using the air-arc method and grind smooth all weld material remaining on the web.

MODEL: 72601-014
FILE NAME: p:\dot-pw-bentley.com\FWIDOT\Documents\DOT_O_ces\Bureau of Bridges and Structures\OBM Projects\0750099\CADData\Structures\075009988.dgn

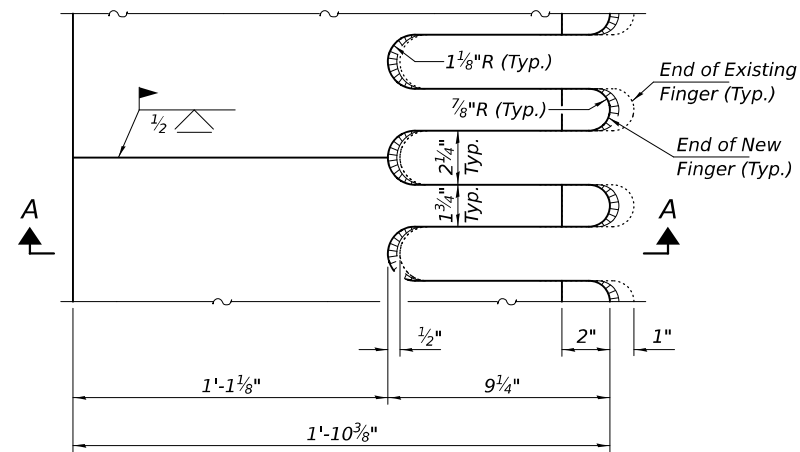
DESIGNED - CCC	EXAMINED	DATE - MAY 5, 2026
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - STEFFEN	PASSED	REVISOR -
CHECKED - CCC SMR	<i>Justin W. Mann</i>	REVISOR -
5/5/2026 2:02:10 PM	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

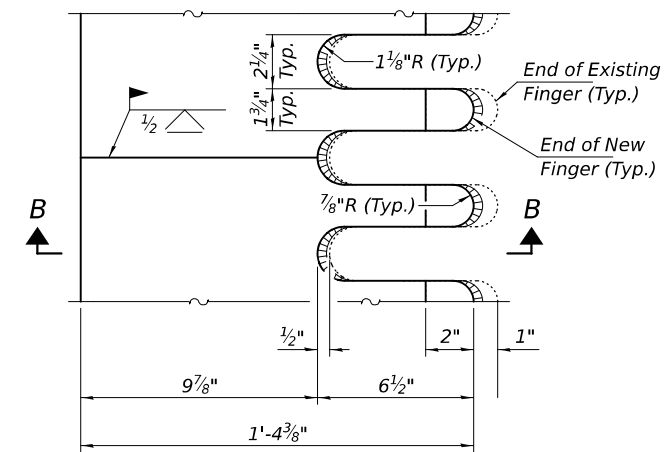
STRUCTURAL STEEL REPAIR DETAILS
SN 075-0099 (W.B.)

SHEET 7 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	44
CONTRACT NO. 72601				
ILLINOIS FED.AID PROJECT				



PIER 4 FINGER PLATE ADJUSTMENT DETAIL
Typical each side of joint.



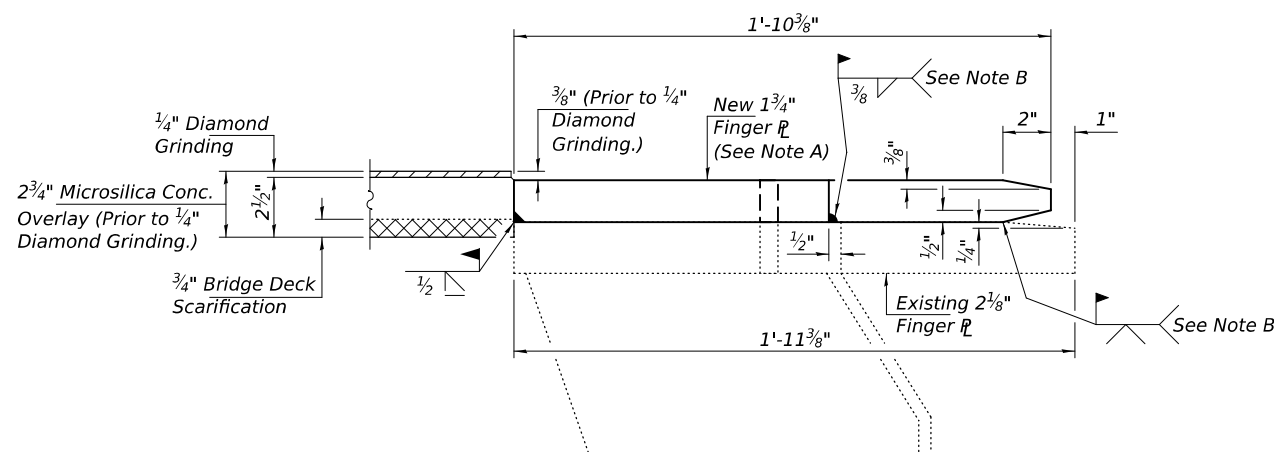
EAST ABUT. FINGER PLATE ADJUSTMENT DETAIL
Typical each side of joint.

Note A:
New Finger \bar{r} shall be blast cleaned SSPC SP 10 and shop painted with the inorganic zinc rich primer.

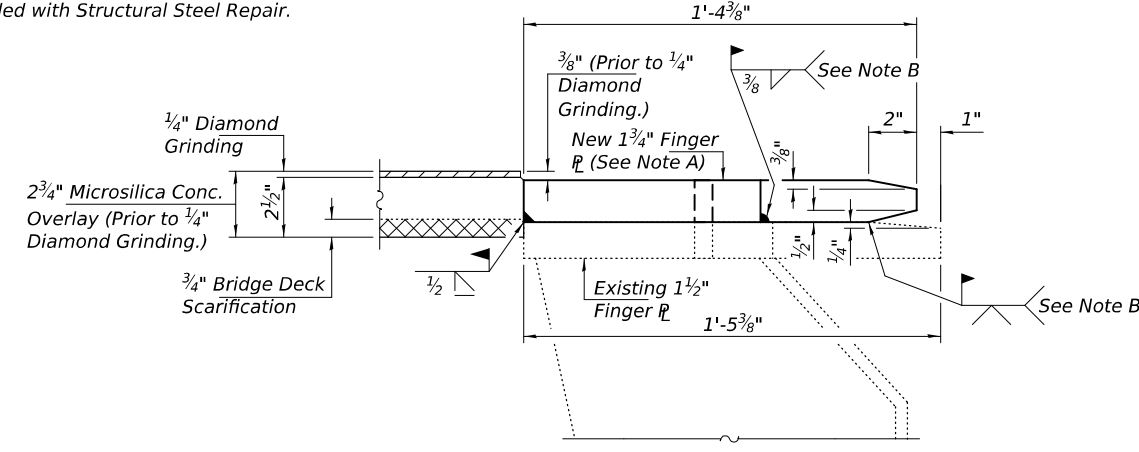
Note B:
Fillet weld sizes at ends (tips) and crotches of fingers shall vary from $3/8$ " near centers to $3/16$ " minimum near edges as new and existing plates converge.

Note C:
Existing Finger widths and exact locations must be field verified. A template shall be made to ensure alignment. Remove foreign material that would prevent uniform contact between new and existing plates by method approved by the Engineer.

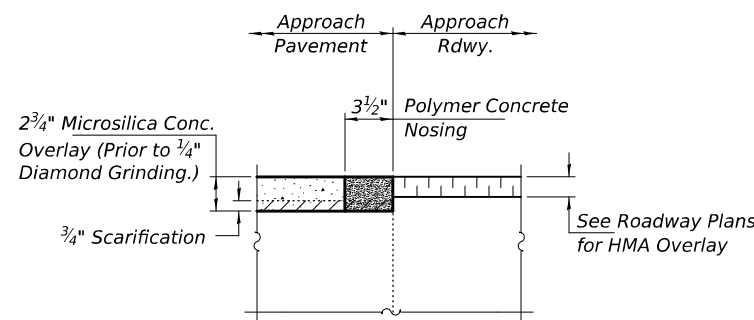
Note D:
Cost of Finger Plate Adjustment included with Structural Steel Repair.



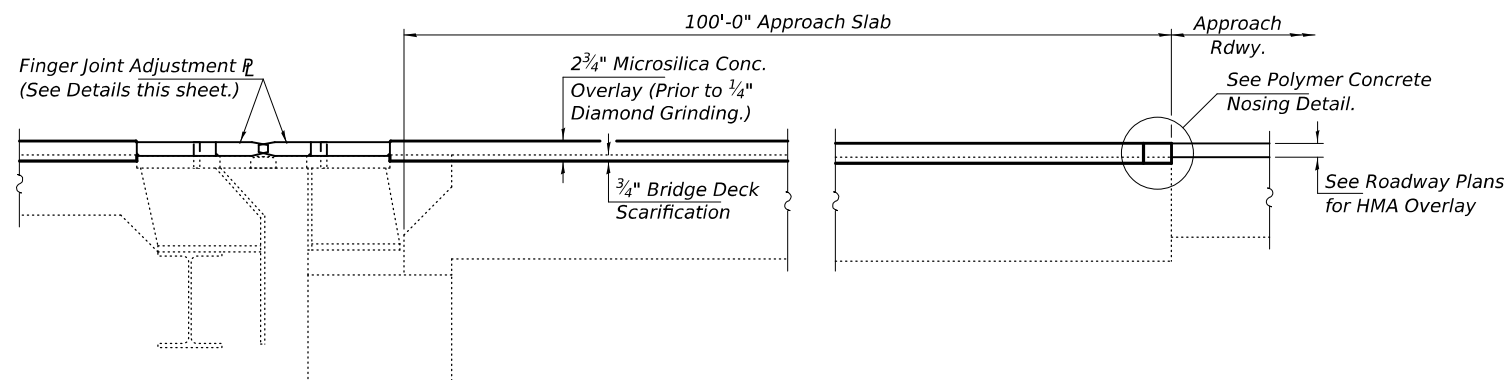
SECTION A-A



SECTION B-B
Bridge side shown, Approach side similar.



POLYMER CONCRETE NOSING DETAIL



EAST ABUTMENT APPROACH DETAILS

MODEL: 72601-045
FILE NAME: p:\dot-pw-bentley.com\FWIDOT\Documents\DOT O ces\Bureau of Bridges and Structures\OBM Projects\0750098\CADData\Structures\0750098.dgn

DESIGNED - CCC	EXAMINED
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES
DRAWN - STEFFEN	PASSED
CHECKED - CCC SMR	ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MAY 5, 2026
REVISOR -
REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST ABUT. & PIER 4 FINGERPLATE ADJUSTMENT DETAILS
SN 075-0098 (E.B.) & -0099 (W.B.)**

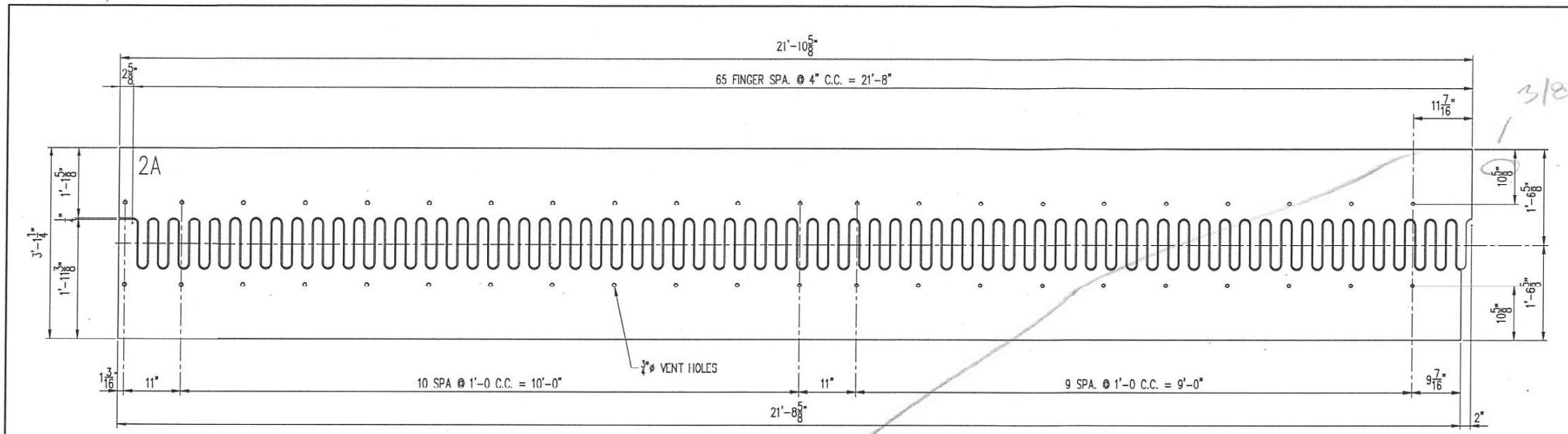
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	45
CONTRACT NO. 72601				

SHEET 8 OF 19 SHEETS

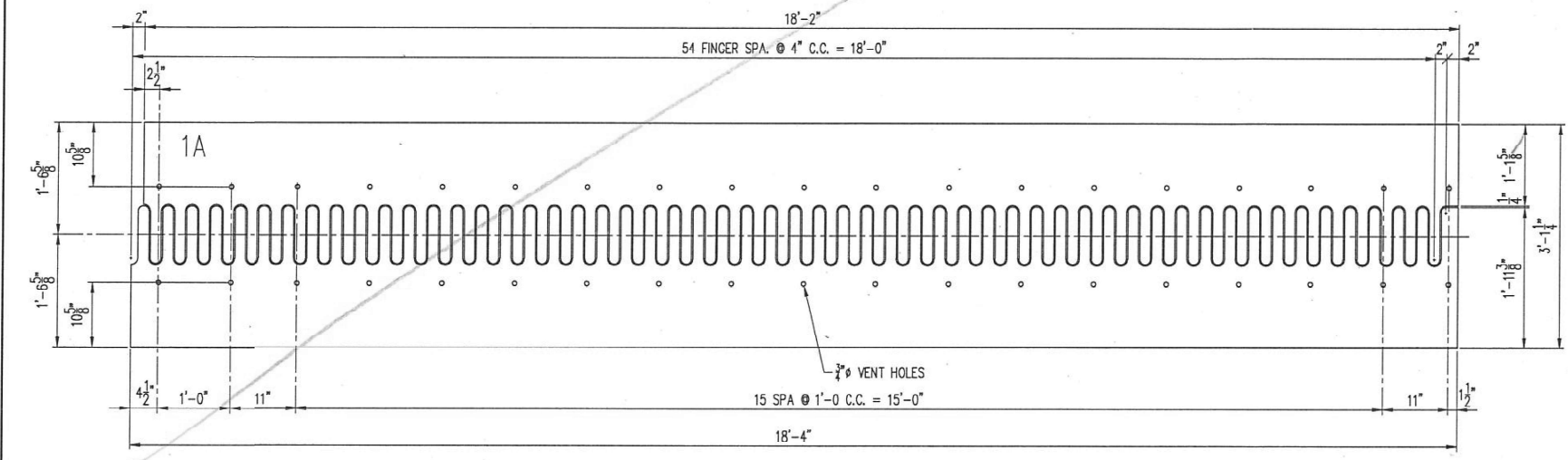
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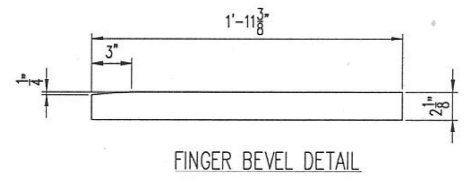
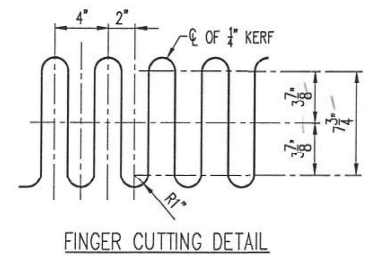
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 FILE NAME: p:\dot-pw\Bentley.com\FWIDOT\Documents\OBM Projects\0750099\CADData\Structures\075009988.dgn



DETAIL: 2¹/₈" FINGER PLATE (6fp2)
 ROADWAY SURFACE UP



DETAIL: 2¹/₈" FINGER PLATE (6fp1)
 ROADWAY SURFACE UP



FOR INFORMATION ONLY

REV.	DESCRIPTION	DATE	DET.	CKD.
	CONTRACT - 72K66			
	ROUTE, SECTION & COUNTY - FAI 72, SECTION (75-3) BJR, PIKE COUNTY, ILLINOIS		ITEM	QUANTITY
	STRUCTURE - 075-0098 (E.B.) & 075-0099 (W.B.)		-	-
	PROJECT NO. - NIIPP-WWJ1(528)		-	-
	PROJECT - F.A.I. 72 OVER TR 92, TR 149, & RR		-	-
	P.O. NO. - H&A 9647		-	-
	DESIGNER - ILLINOIS D.O.T.		-	-
	CUSTOMER - HENNEGAN AND ASSOCIATES, LTD.		-	-
	DESCRIPTION: FINGER EXPANSION JOINT DETAILS			
	PIER 4 - FINGER PLATE DETAILS			

D.S. BROWN
 A GLOBAL TARP INDUSTRIES COMPANY

THE D.S. BROWN COMPANY
 300 E. CHERRY STREET
 NORTH BALTIMORE, OHIO 45872
 419.257.3561
 FAX: 419.257.0332
 WWW.DSBROWN.COM

DESIGNED - CCC	EXAMINED
CHECKED - SMR	PASSED
DRAWN - STEFFEN	
CHECKED - CCC SMR	

DATE - MAY 5, 2026

ENGINEER OF STRUCTURAL SERVICES
Justin W. Mann
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

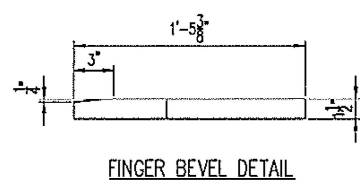
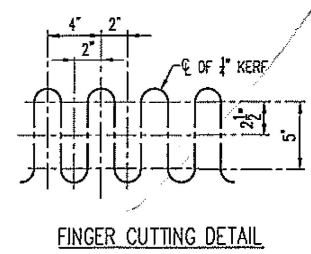
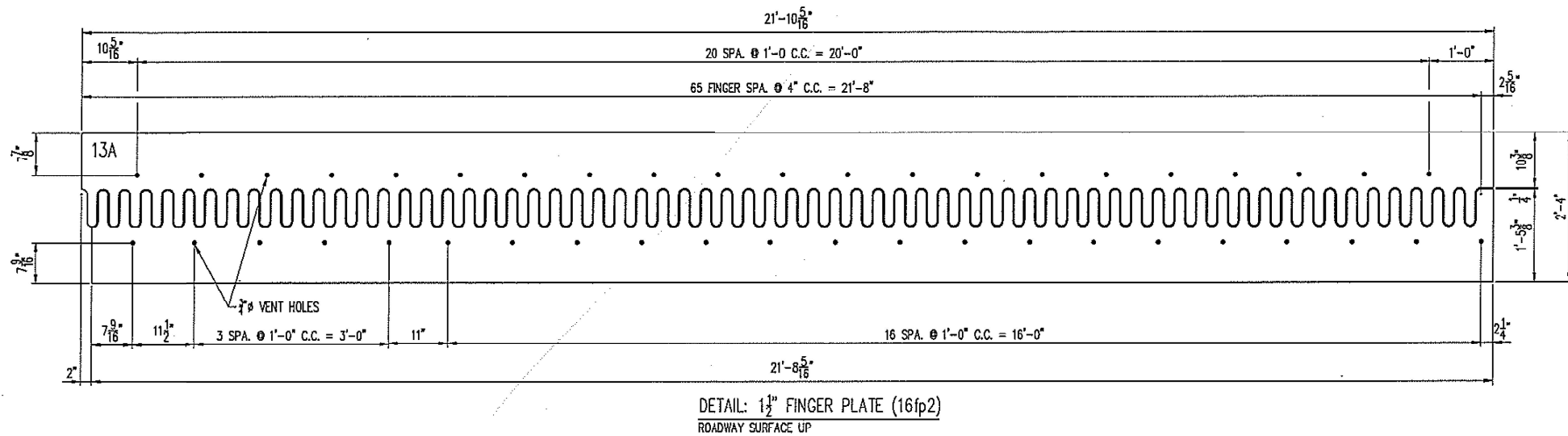
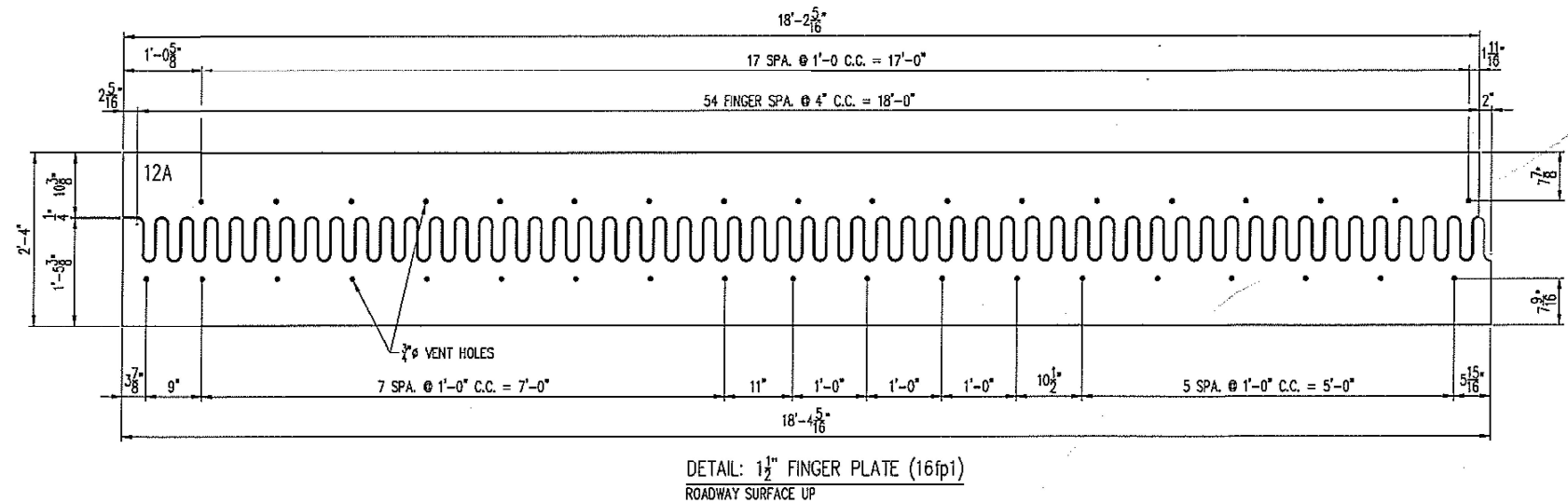
REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY - EXISTING PIER 4 FINGER PLATE
 SN 075-0099 (W.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	46
CONTRACT NO. 72601				

MODEL: 72601-049
 FILE NAME: p:\dot-pw-bentley.com\FWIDOT\Documents\IDOT_O_ces\Bureau of Bridges and Structures\OBM Projects\0750098\CADDData\Structures\07500988.dgn



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 A GIBBS & BROWN COMPANY
 THE D.S. BROWN COMPANY
 300 E. CHERRY STREET
 NORTH BALTIMORE, OHIO 45872
 419.257.3551
 FAX: 419.257.0332
 WWW.DSBROWN.COM

REV.	DESCRIPTION	DATE	DET.	CHKD.
	CONTRACT — 72K66			
	ROUTE, SECTION & COUNTY — FAI 72, SECTION (75-3) BJR, PIKE COUNTY, ILLINOIS			
	STRUCTURE — 075-0098 (E.B.) & 075-0099 (W.B.)			
	PROJECT NO. — NHPP-WVJH(528)			
	PROJECT — F.A.I. 72 OVER TR 92, TR 149, & RR			
	P.O. NO. — H&A 9647			
	DESIGNER — ILLINOIS D.O.T.			
	CUSTOMER — HENNEGAN AND ASSOCIATES, LTD.			

ITEM	QUANTITY
—	—
—	—
—	—
—	—
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SCALE	DRAWN BY	CHECKED BY	DATE
N.T.S.	TSF	NC	02-13-19

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
1056750	1031	1	16

DESIGNED - CCC	EXAMINED
CHECKED - SMR	PASSED
DRAWN - STEFFEN	
CHECKED - CCC SMR	

DATE - MAY 5, 2026

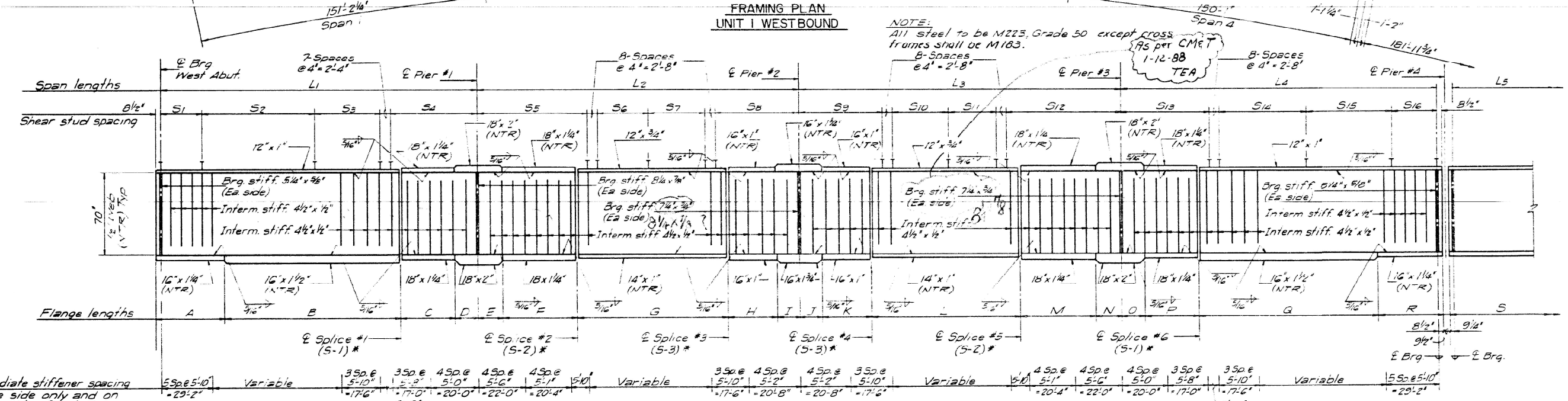
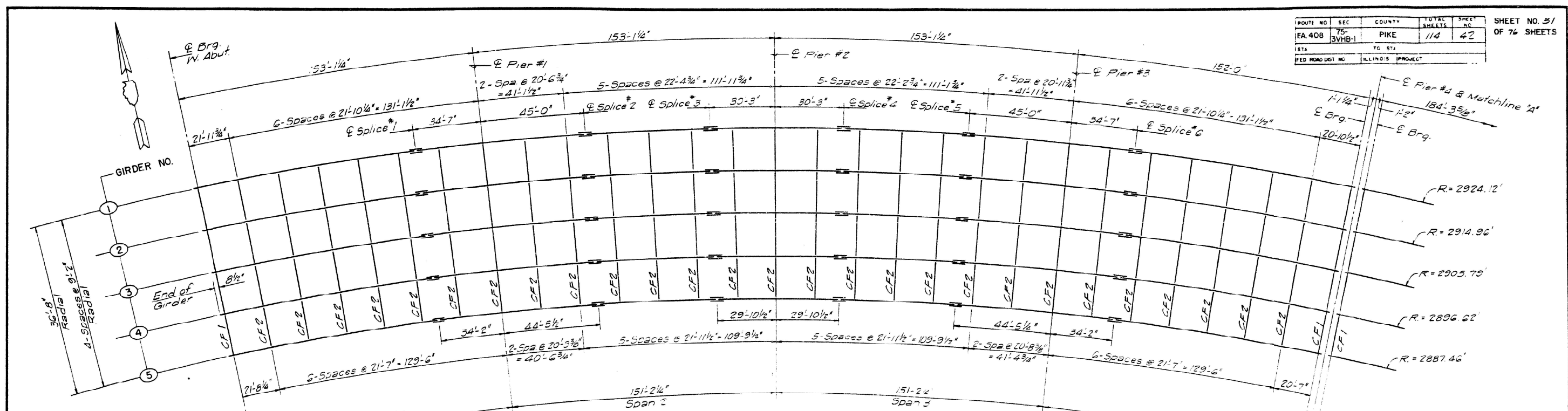
ENGINEER OF STRUCTURAL SERVICES
Quater W. Mann
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

REVISIONS
REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY - EXISTING E. ABUT. FINGER PLATE
 SN 075-0098 (E.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	49
CONTRACT NO. 72601				



Intermediate stiffener spacing
On one side only and on interior side of exterior girders.

* See sheet 32 for details of bolted field splices and the table of dimensions describing the splice components.

Note: Cross frame connection plates not shown for clarity. See framing plan for location and sheet 43 for details.

NOTES:
1) See sheet 43 for detail of stiffener clearance at flange splices.
2) Work this sheet with sheets 32, 36, 43, 44, 47, 48

GIRDER	RADIUS OF CURVE	SPAN LENGTHS IN FEET				TOTAL LENGTH OF BRG
		L1	L2	L3	L4	
1	2924.12'	153'-1 1/4"	153'-1 1/4"	153'-1 1/4"	152'-0"	611'-5 3/4"
2	2914.96'	152'-7 1/4"	152'-7 1/2"	152'-7 1/2"	151'-6 1/2"	609'-4 3/4"
3	2905.79'	152'-1 3/4"	152'-1 3/4"	152'-1 3/4"	151'-0 1/2"	607'-5 3/4"
4	2896.62'	151'-8"	151'-8"	151'-8"	150'-6 3/4"	605'-5 3/4"
5	2887.46'	151'-2 1/4"	151'-2 1/4"	151'-2 1/4"	150'-1"	603'-7 3/4"

GIRDER	FLANGE LENGTHS IN FEET																TOTAL FLANGE LENGTH		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		Q	R
1	34'-6 3/4"	54'-6"	22'-5"	12'-2"	11'-9"	33'-3"	77'-10 1/4"	20'-3"	10'-0"	10'-0"	20'-3"	77'-10 1/4"	33'-3"	11'-9"	12'-2"	22'-5"	84'-6"	33'-7 1/2"	612'-8 3/4"
2	34'-7"	84'-3"	22'-4 1/2"	12'-1 1/2"	11'-8 3/4"	33'-1 3/4"	77'-7 1/2"	20'-2 1/4"	9'-11 3/8"	9'-11 3/8"	20'-2 1/4"	77'-7 1/2"	33'-1 3/4"	11'-8 3/4"	12'-1 1/2"	22'-4 1/2"	84'-3"	33'-5 3/4"	610'-9 3/4"
3	34'-6"	83'-11 1/4"	22'-3 3/8"	12'-1 1/8"	11'-8 1/4"	33'-0 1/2"	77'-4 1/4"	20'-1 1/2"	9'-11 1/4"	9'-11 1/4"	20'-1 1/2"	77'-4 1/4"	33'-0 1/2"	11'-8 1/4"	12'-1"	22'-3 3/8"	83'-11 1/4"	33'-4 3/4"	608'-10 3/4"
4	34'-4 3/8"	83'-8 1/2"	22'-2 3/4"	12'-0 3/8"	11'-7 3/4"	32'-11 1/4"	77'-1 3/8"	20'-0 3/4"	9'-10 3/8"	9'-10 3/8"	20'-0 3/4"	77'-1 3/8"	32'-11 1/4"	11'-7 3/4"	12'-0 3/8"	22'-2 3/4"	83'-8 1/2"	33'-3 3/8"	606'-11 3/8"
5	34'-3 3/4"	83'-5 1/4"	22'-1 3/8"	12'-0"	11'-7 1/2"	32'-10"	76'-10 1/4"	20'-0"	9'-10 1/2"	9'-10 1/2"	20'-0"	76'-10 1/4"	32'-10"	11'-7 1/2"	12'-0"	22'-2"	83'-5 1/4"	33'-2 1/4"	605'-0 3/4"

FOR INFORMATION ONLY

N.T.R. denotes notch toughness requirements. Plate designated by (N.T.R.) shall conform to the supplemental requirements for notch toughness (Zone 2). These components are the tension flanges, webs and all splice plate material of the steel girder.

REVISIONS			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	BY	DATE		

PIKE COUNTY
FA. RTE. 408
SEC. 75-3VHB-1
STA. 974+71.36
FRAMING/UNIT I W.B / SPANS I - 4

DESIGNED BY RJK
DRAWN BY GLO
CHECKED BY M.W.H.
APPROVED BY RJK.

SCALE NONE
JOB NO. 8466-02
DATE
SHEET 42 OF 114 SHEETS

MODEL: 72601-050
FILE NAME: p:\w\l\dot-pw\entley.com\FWIDOT\Documents\OBM Projects\0750099\Structures\075009988.dgn

DESIGNED - CCC
CHECKED - SMR
DRAWN - STEFFEN
CHECKED - CCC SMR

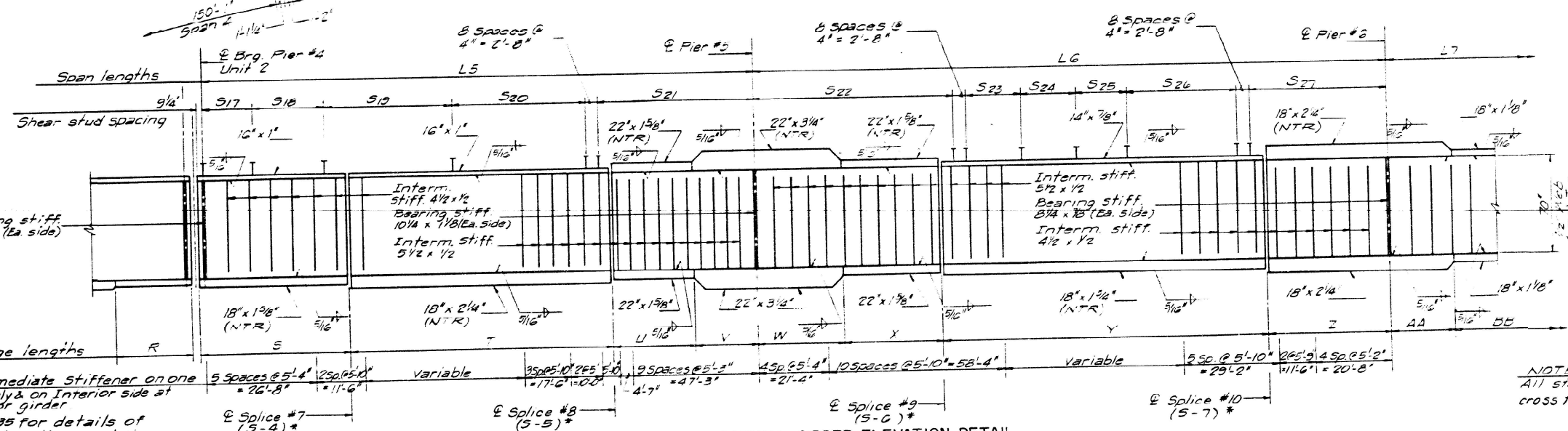
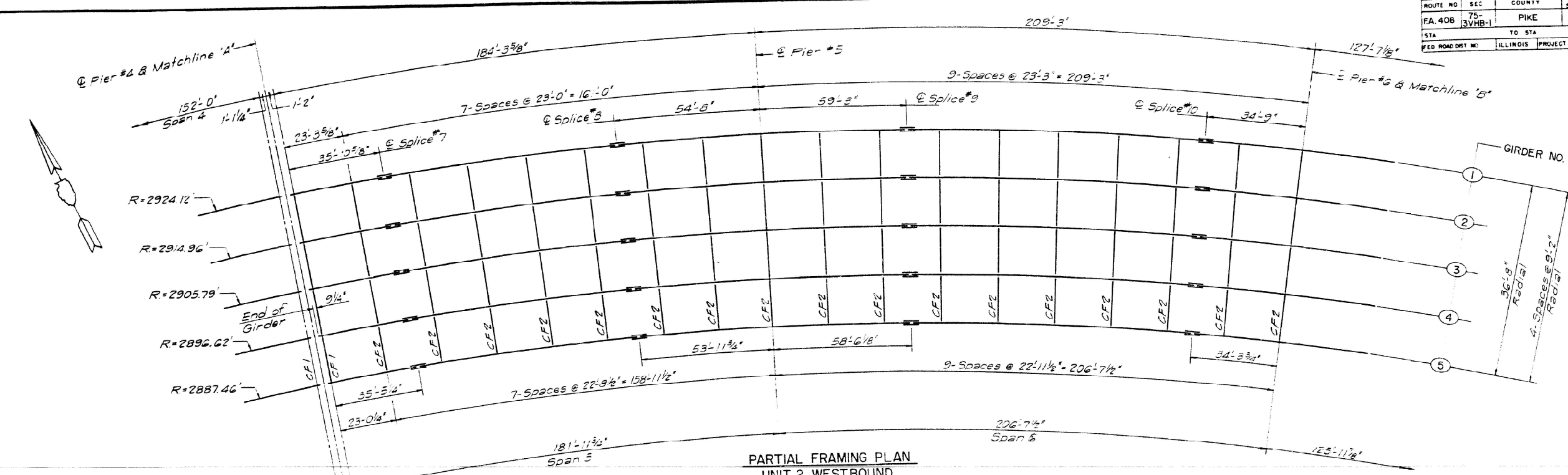
EXAMINED
ENGINEER OF STRUCTURAL SERVICES
PASSED
Quater W. Mann
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MAY 5, 2026
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY - EXISTING STRUCTURAL STEEL
SN 075-0099 (W.B.)

F.A.I. RTE. 72
SECTION (75-3VHB-1)BDR,BP,BJR
COUNTY PIKE
TOTAL SHEETS 56
SHEET NO. 50
CONTRACT NO. 72601
ILLINOIS FED. AID PROJECT



* See sheet 35 for details of bolted field splices and the table of dimensions describing the splice components.

NOTE: All steel to be M223, Grade 50 except cross frames shall be M183

NOTES:
1) See sheet 43 for detail of stiffener clearance at flange splices.
2) Work this sheet with sheets 34, 35, 36, 43, 45, 47, 48

GIRDER	RADIUS OF CURVE	SPAN LENGTHS IN FEET					TOTAL LENGTH OF BRG
		L5	L6	L7	L8	L9	
1	2924.12	184'-3 3/8"	209'-3"	127'-7 1/2"	127'-7 1/2"	117'-8 3/8"	766'-5 1/2"
2	2914.96	183'-8 3/8"	208'-7 1/8"	127'-2 1/4"	127'-2 1/4"	117'-4 1/4"	762'-0 1/2"
3	2905.79	183'-1 3/4"	207'-11 1/8"	126'-9 1/2"	126'-9 1/2"	116'-11 3/2"	761'-7 3/8"
4	2896.62	182'-6 3/4"	207'-3 3/8"	126'-4 3/8"	126'-4 3/8"	116'-7 3/8"	759'-2 3/4"
5	2887.46	181'-11 3/4"	206'-7 1/2"	125'-11 3/8"	125'-11 3/8"	116'-3"	756'-10"

GIRDER	FLANGE LENGTHS IN FEET											TOTAL FLANGE LENGTH						
	S	T	U	V	W	X	Y	Z	AA	BB	CC		DD	EE	FF	GG	HH	II
1	36'-7 3/8"	93'-9"	92'-10"	21'-10"	28'-6"	30'-9"	115'-3"	34'-9"	21'-0"	39'-4"	39'-4"	27'-11 1/8"	20'-6"	72'-0"	35'-1 1/8"	31'-11 1/8"	86'-6"	767'-11 1/4"
2	36'-6 1/2"	93'-5 1/2"	92'-8 3/4"	21'-9 1/2"	28'-4 7/8"	30'-7 1/8"	114'-0 7/8"	34'-7 3/4"	20'-11 1/8"	39'-2 1/2"	39'-2 1/2"	27'-10"	20'-5 1/4"	71'-9 1/4"	34'-11 1/8"	31'-10"	86'-2 3/4"	765'-6 3/8"
3	36'-5 1/8"	93'-2"	92'-7 1/2"	21'-5 3/8"	28'-3 3/8"	30'-6 3/4"	114'-6 1/4"	34'-6 1/4"	20'-0 7/8"	39'-1 1/8"	39'-1"	27'-9"	20'-4 1/2"	71'-6 1/2"	34'-10 1/2"	31'-8 3/4"	85'-11 1/2"	763'-1 3/8"
4	36'-3 3/8"	92'-10 3/8"	92'-6 1/4"	21'-7 1/2"	28'-2 3/4"	30'-5 1/2"	114'-2"	34'-5 1/8"	20'-9 3/8"	38'-1 1/2"	38'-1 1/2"	27'-8"	20'-3 3/8"	71'-3 3/8"	34'-9 1/8"	31'-7 3/8"	85'-8 1/4"	760'-8 1/2"
5	36'-2 3/8"	92'-6 3/8"	92'-5"	21'-6 3/8"	28'-1 1/2"	30'-4 3/8"	113'-9 3/8"	34'-3 3/4"	20'-9"	38'-10"	38'-10"	27'-6 3/8"	20'-3"	71'-1"	34'-7 3/8"	31'-6 3/8"	85'-5 1/8"	758'-3 3/4"

FOR INFORMATION ONLY

N.T.R. denotes notch toughness requirements. The plate designated by (N.T.R.) shall conform to the supplemental requirements for notch toughness (Zone 2). These components are the tension flanges, webs and all splice plate material of the steel girder.

REVISIONS			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	BY	DATE		
			PIKE COUNTY FA. RTE. 408 SEC. 75-3VHB-1 STA. 974+71.36 FRAMING/UNIT 2 W.B./ SPANS 5 & 6	
DESIGNED BY	F.J.P.	SCALE	NONE	JOB NO.
DRAWN BY	G.L.D.	DATE		8466-02
CHECKED BY	M.W.W.	SHEET 44 OF 114 SHEETS		
APPROVED BY	R.J.K.	CMT CHAMFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS SPRINGFIELD • AURORA • ST. LOUIS, MO.		

MODEL: 72601-051
FILE NAME: p:\dot-pw-bentley.com\FWIDOT\Documents\OBM Projects\0750099\CADData\Structures\075009988.dgn

DESIGNED - CCC
CHECKED - SMR
DRAWN - STEFFEN
CHECKED - CCC SMR

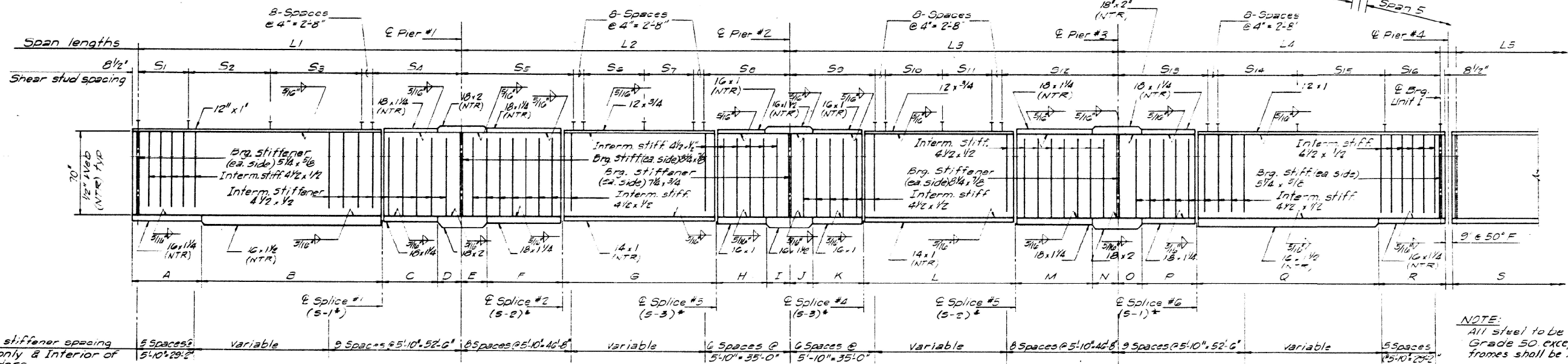
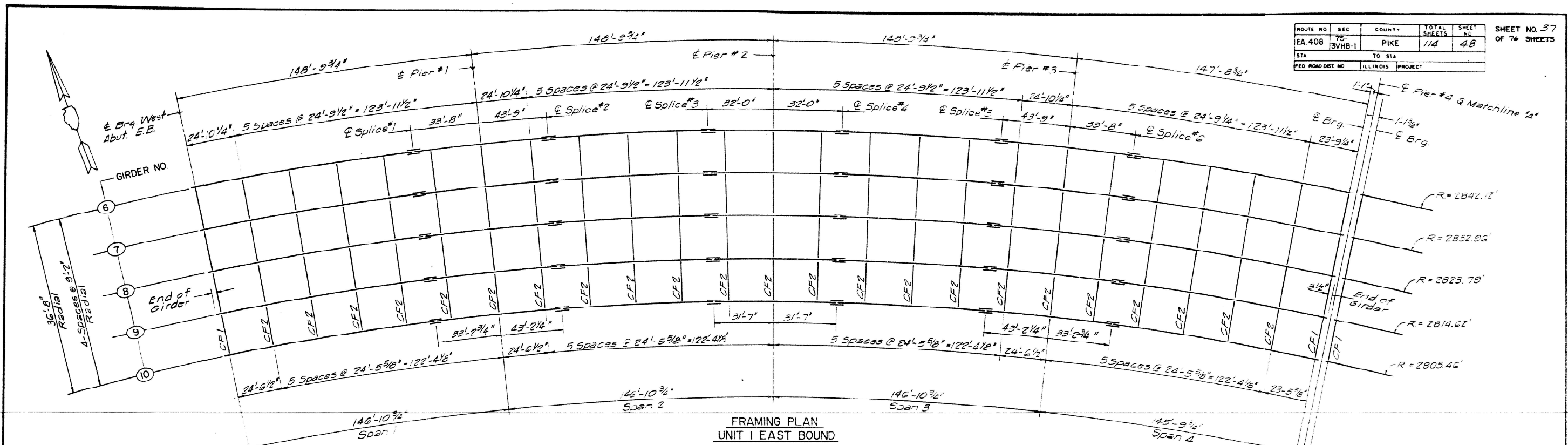
EXAMINED
ENGINEER OF STRUCTURAL SERVICES
PASSED
Quater W. Mann
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MAY 5, 2026
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY - EXISTING STRUCTURAL STEEL
SN 075-0099 (W.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR, BP, BJR	PIKE	56	51
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				



NOTE: All steel to be A222, Grade 50, except cross frames shall be M183.

* See sheet 37 for details of bolted field splices and the table of dimensions describing the splice components.

NOTE: Cross frame connection plates not shown for clarity. See framing plan for location & sheet 23 for details.

NOTE: 1) See sheet 43 for detail of stiffener clearance at Flange Splices.
2) Work this sheet with sheets 38, 42, 43, 44, 49, 50.

GIRDER	RADIUS OF CURVE	SPAN LENGTHS IN FEET				TOTAL LENGTH OF BRG
		L1	L2	L3	L4	
6	2842.12'	148'-9 3/4"	148'-9 3/4"	148'-9 3/4"	147'-8 3/4"	594'-2"
7	2832.96'	148'-4"	148'-4"	148'-4"	147'-3"	592'-3"
8	2823.79'	147'-10 1/4"	147'-10 1/4"	147'-10 1/4"	146'-9 1/4"	590'-4"
9	2814.62'	147'-4 1/2"	147'-4 1/2"	147'-4 1/2"	146'-3 1/2"	588'-5"
10	2805.45'	146'-10 3/4"	146'-10 3/4"	146'-10 3/4"	145'-9 3/4"	586'-6"

GIRDER	FLANGE LENGTHS IN FEET																TOTAL FLANGE LENGTH		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		Q	R
6	33'-0 1/2"	02'-1 1/4"	21'-9 3/4"	11'-10 1/4"	11'-5 1/2"	32'-3 1/2"	73'-0 3/4"	22'-3 3/8"	9'-2 1/2"	9'-2 1/2"	22'-3 3/8"	73'-0 3/4"	32'-3 1/2"	11'-5 1/2"	11'-10 1/4"	21'-9 3/4"	02'-1 1/4"	32'-7 1/2"	595'-7"
7	33'-7 1/8"	01'-10 3/8"	21'-8 1/8"	11'-9 1/8"	11'-4 5/8"	32'-2 3/8"	72'-10"	22'-2 1/2"	9'-8 1/4"	9'-8 1/4"	22'-2 1/2"	72'-10"	32'-2 3/8"	11'-4 5/8"	11'-9 1/8"	21'-8 1/8"	01'-10 3/8"	32'-6 1/8"	593'-8"
8	33'-6"	01'-7 1/2"	21'-8"	11'-9 1/2"	11'-4 1/2"	32'-1 1/2"	72'-7"	22'-1 3/4"	9'-7 1/2"	9'-7 1/2"	22'-1 3/4"	72'-7"	32'-1 1/2"	11'-4 1/2"	11'-9 1/2"	21'-8"	01'-7 1/2"	32'-5"	591'-9"
9	33'-4 3/8"	01'-4 1/8"	21'-7 1/4"	11'-9"	11'-3 1/8"	32'-0 1/8"	72'-4 1/4"	22'-0 3/4"	9'-7 1/2"	9'-7 1/2"	22'-0 3/4"	72'-4 1/4"	32'-0 1/8"	11'-3 1/8"	11'-9"	21'-7 1/4"	01'-4 1/8"	32'-3 1/2"	589'-10"
10	33'-2 1/2"	01'-1"	21'-6 1/4"	11'-8 1/2"	11'-3 1/2"	31'-10 1/2"	72'-1 1/2"	22'-0"	9'-7 1/2"	9'-7 1/2"	22'-0"	72'-1 1/2"	31'-10 1/2"	11'-3 1/2"	11'-8 1/2"	21'-6 1/4"	01'-1"	32'-2 1/2"	587'-11"

FOR INFORMATION ONLY

N.T.R. denotes notch toughness requirements. Plates designated by (N.T.R.) shall conform to the supplemental requirements for notch toughness (Zone 2). These components are the tension flanges, webs and all splice plate material of the steel girder.

REVISIONS		
NO.	BY	DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIKE COUNTY
FA. RTE. 408
SEC. 75-3VHB-1
STA. 974+71.36

FRAMING/UNIT I E.B./ SPANS 1 - 4

SCALE NONE JOB NO. 8466-02

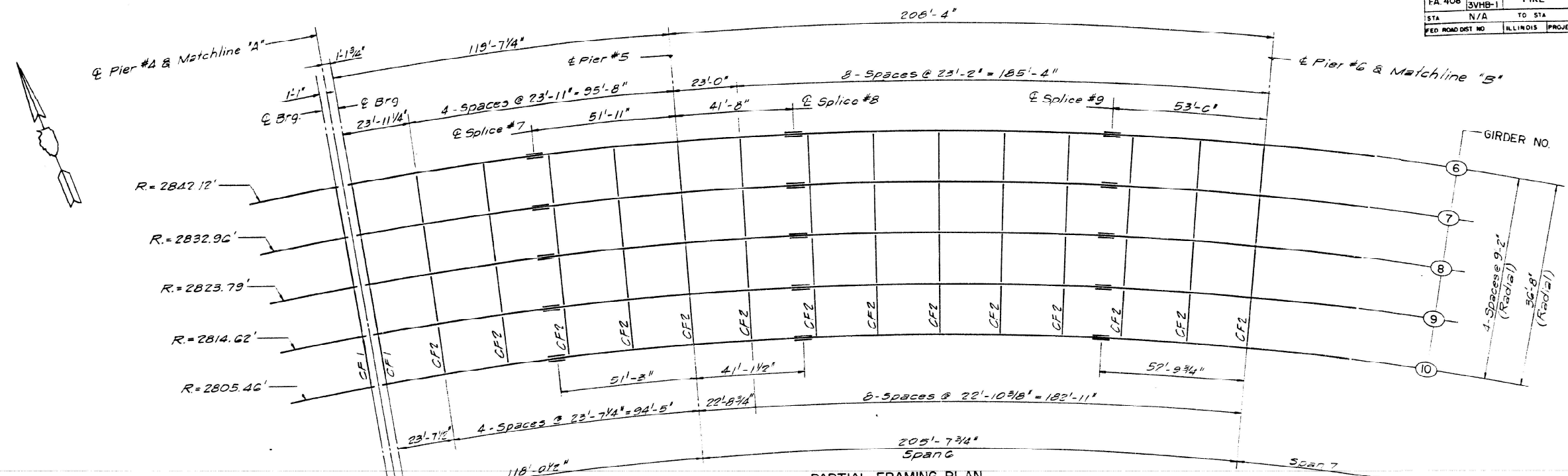
DATE SHEET 48 OF 114 SHEETS

DESIGNED BY: F.J.P.
DRAWN BY: G.L.D.
CHECKED BY: A.W.W.
APPROVED BY: R.J.K.

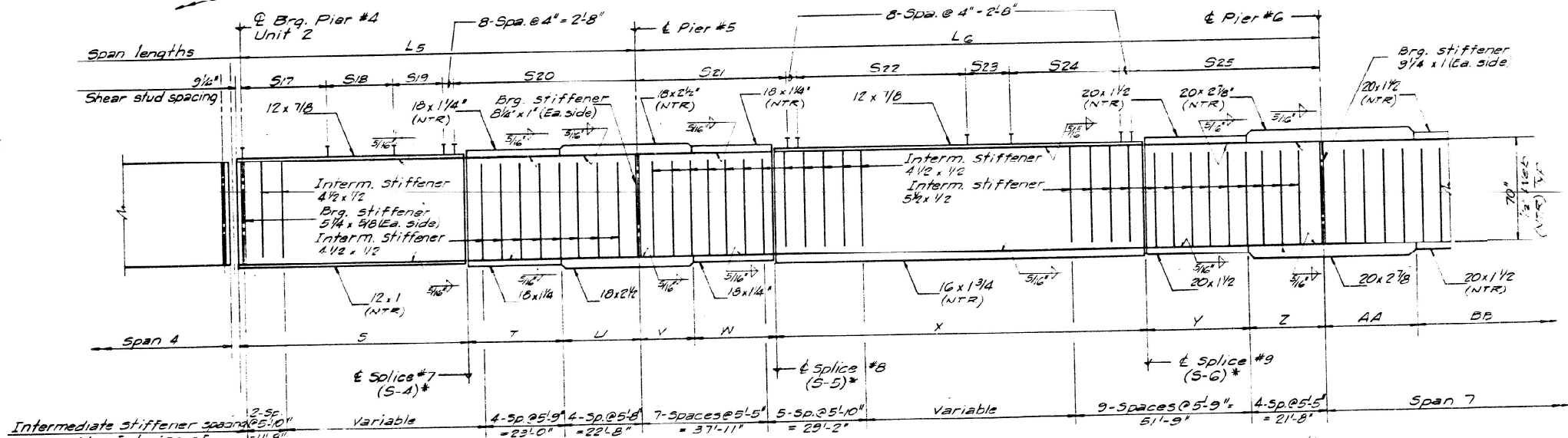
CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, ILL. AURORA, ILL. ST. LOUIS, MO.

ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
FA 408	75-3VHB-1	PIKE	114	50
STA	N/A	TO STA	N/A	
FED ROAD DIST NO	ILLINOIS	PROJECT		

SHEET NO 39
OF 76 SHEETS



PARTIAL FRAMING PLAN
UNIT 2 EASTBOUND



PARTIAL GIRDER ELEVATION DETAIL
UNIT 2 EASTBOUND

NOTE:
All steel shall be AISC Grade 50
except cross frames shall be M183

GIRDER	RADIUS OF CURVE	SPAN LENGTHS IN FEET					TOTAL LENGTH & L BRG
		L5	L6	L7	L8	L9	
6	2842.12'	119'-7 1/4"	208'-4"	178'-0"	124'-0 1/8"	123'-3 3/4"	756'-10"
7	2832.96'	119'-2 3/8"	207'-8"	178'-0"	123'-7 3/8"	127'-10 3/4"	756'-4 3/4"
8	2823.79'	118'-10"	207'-0"	177'-5"	123'-2 1/2"	127'-5 3/4"	753'-11 1/2"
9	2814.62'	118'-5 1/2"	206'-3 3/4"	176'-10 1/4"	122'-9 3/4"	127'-0 1/2"	751'-5 3/4"
10	2805.46'	118'-0 1/2"	205'-7 3/4"	176'-3 1/4"	122'-4 7/8"	126'-7 1/8"	749'-0 1/4"

GIRDER	FLANGE LENGTHS IN FEET																TOTAL FLANGE LENGTH		
	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH		II	JJ
6	68'-5 1/2"	30'-7"	21'-4"	16'-9"	25'-0"	113'-2"	32'-0"	21'-6"	23'-6"	35'-4"	90'-11 3/8"	28'-9"	42'-0"	40'-10 1/8"	41'-2"	26'-8"	71'-8"	30'-8 1/2"	760'-3 3/4"
7	68'-2 1/8"	30'-5 1/8"	21'-3 1/8"	16'-7 3/8"	24'-11"	112'-9 3/4"	31'-10 3/8"	21'-5 1/8"	23'-5 1/8"	35'-2 3/8"	90'-8 3/8"	28'-7 3/8"	41'-10 3/8"	40'-8 3/8"	41'-0 3/8"	26'-7"	71'-5 1/8"	30'-7"	751'-10 1/2"
8	68'-0 1/4"	30'-2 3/4"	21'-2 3/4"	16'-6 3/4"	24'-10"	112'-5 3/4"	31'-9 1/4"	21'-4 3/8"	23'-4 1/8"	35'-1 1/4"	90'-4 1/8"	28'-6 3/8"	41'-8 3/8"	40'-6 3/8"	40'-10 3/8"	26'-5 1/8"	71'-2 1/2"	30'-5 3/8"	755'-5"
9	67'-9 3/8"	30'-3 1/2"	21'-1 1/2"	16'-6 1/8"	24'-9 1/8"	112'-0 3/4"	31'-8 1/4"	21'-3 1/2"	23'-3 1/2"	34'-11 1/8"	90'-1 1/2"	28'-5 3/8"	41'-7 3/8"	40'-5 3/8"	40'-9 1/2"	26'-4 3/8"	70'-11 3/8"	30'-4 3/8"	752'-11 1/2"
10	67'-2 3/4"	30'-2 1/4"	21'-0 1/4"	16'-5 3/8"	24'-8 1/8"	111'-8 1/2"	31'-7 1/8"	21'-2 3/8"	23'-2 3/8"	34'-10 1/8"	89'-9 1/8"	28'-4 1/4"	41'-5 3/8"	40'-3 3/4"	40'-7 3/8"	26'-3 3/8"	70'-8 3/8"	30'-3 3/8"	750'-6"

FOR INFORMATION ONLY

'N.T.R.' denotes notch toughness requirements. Plate designated by (N.T.R.) shall conform to the supplemental requirements for notch toughness (Zone 2). These components are the tension flanges, webs and all splice plate material of the steel girder.

Notes:
1) See sheet 43 for detail of stiffener clearance at flange splices.
2) Work this sheet with sheets 40, 41, 42, 43, 44, 49, 50

DESIGNED BY F.J.P.		SCALE NONE		JOB NO. 8466-02	
DRAWN BY A.D.D.		DATE			
CHECKED BY M.N.N.		CMT		STATE OF ILLINOIS	
APPROVED BY R.J.K.		CONSULTING ENGINEER		DEPARTMENT OF TRANSPORTATION	
		SPRINGFIELD, ILLINOIS		PIKE COUNTY	
				FA. RTE. 408	
				SEC. 75-3VHB-1	
				STA. 974+71.36	
				FRAMING / UNIT 2 E.B. / SPANS 5 & 6	

MODEL: 72601-054
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DESIGNED - CCC	EXAMINED	DATE - MAY 5, 2026
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - STEFFEN	PASSED	
CHECKED - CCC SMR	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

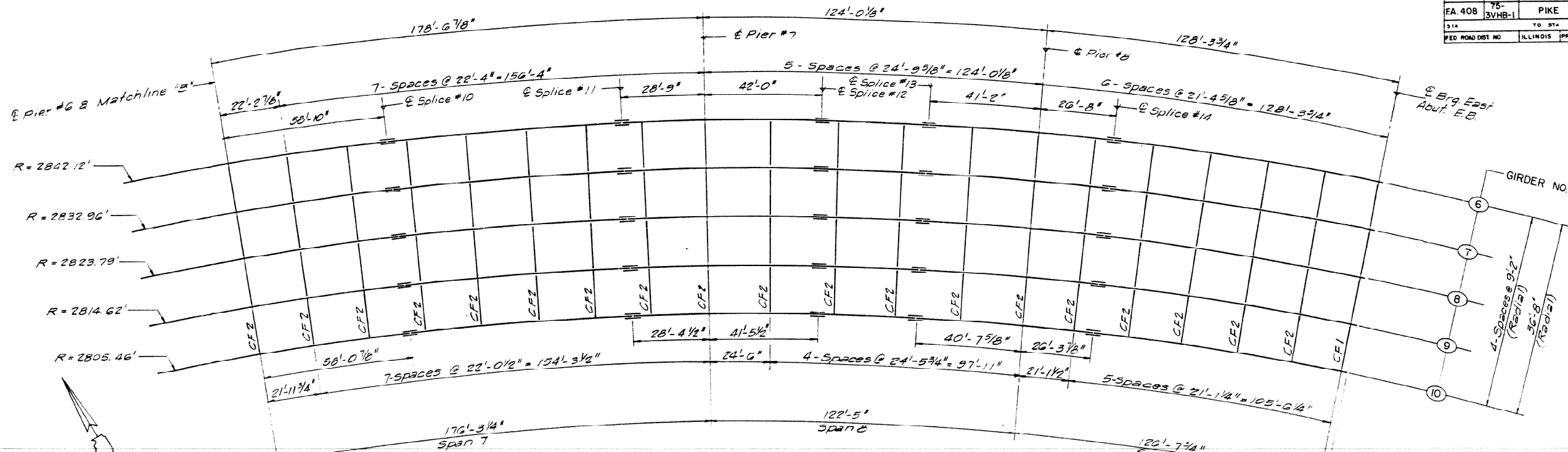
FOR INFORMATION ONLY - EXISTING STRUCTURAL STEEL
SN 075-0098 (E.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	54
CONTRACT NO. 72601				

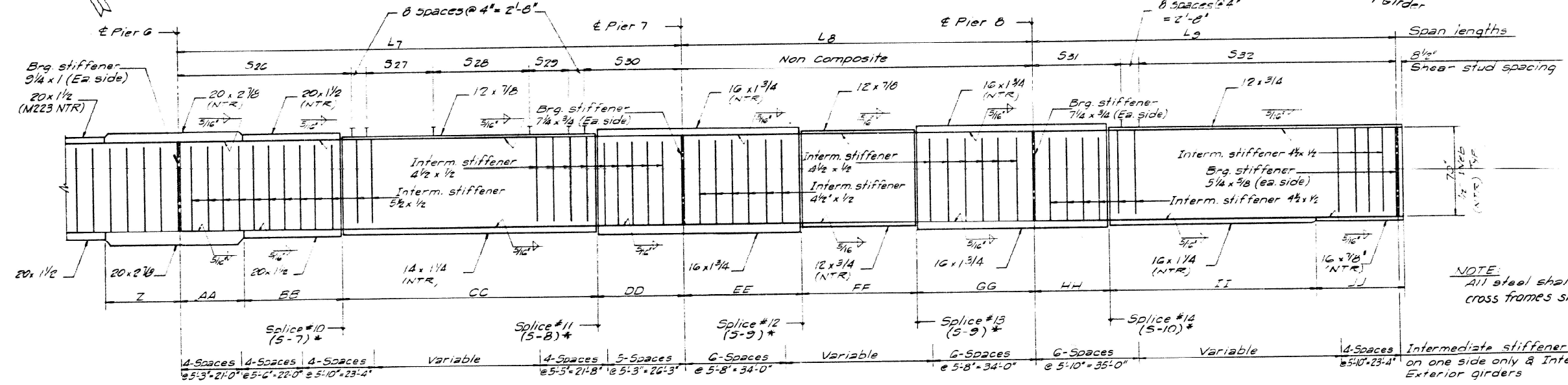
ILLINOIS	FED. AID PROJECT
----------	------------------

ROUTE NO	SFC	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 408	75-3VHB-1	PIKE	114	51
STA	TO STA			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

SHEET NO. 40
OF 76 SHEETS



PARTIAL FRAMING PLAN
UNIT 2 EASTBOUND



PARTIAL GIRDER ELEVATION DETAIL
UNIT 2 EASTBOUND

NOTE: All steel shall be M223, Grade 50 except cross frames shall be M183

* See sheet 41 for details of bolted field splices and the table of dimensions describing the splice components.

NOTE: Cross frame connection plates not shown for clarity. See framing plan for location & sheet 43 for details.

- NOTES:
- See sheet 43 for detail of stiffener clearance at flange splices.
 - Work this sheet with sheets 39, 41, 42, 43, 46, 49, 50

FOR INFORMATION ONLY

N.T.R. denotes notch toughness requirements. Flats designated by (N.T.R.) shall conform to the supplemental requirements for notch toughness (Zone 2). These components are the tension flanges, webs and all splice plate material of the steel girder.

REVISIONS		
NO.	BY	DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIKE COUNTY
FA. RTE. 408
SEC. 75-3VHB-1
STA. 974+71.36
FRAMING / UNIT 2 E.B. / SPANS 7-9

DESIGNED BY: F.J.P.
DRAWN BY: A.D.G. & G.L.D.
CHECKED BY: M.W.H.
APPROVED BY: R.J.K.

CMT
CRANFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, ILLINOIS ALPORA, ILLINOIS ST. LOUIS, MISSOURI

SCALE: NONE
JOB NO.: 8466-02
DATE:
SHEET 51 OF 114 SHEETS

MODEL: 72601-055
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DESIGNED - CCC	EXAMINED	DATE - MAY 5, 2026
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - STEFFEN	PASSED	REVISOR -
CHECKED - CCC SMR	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -

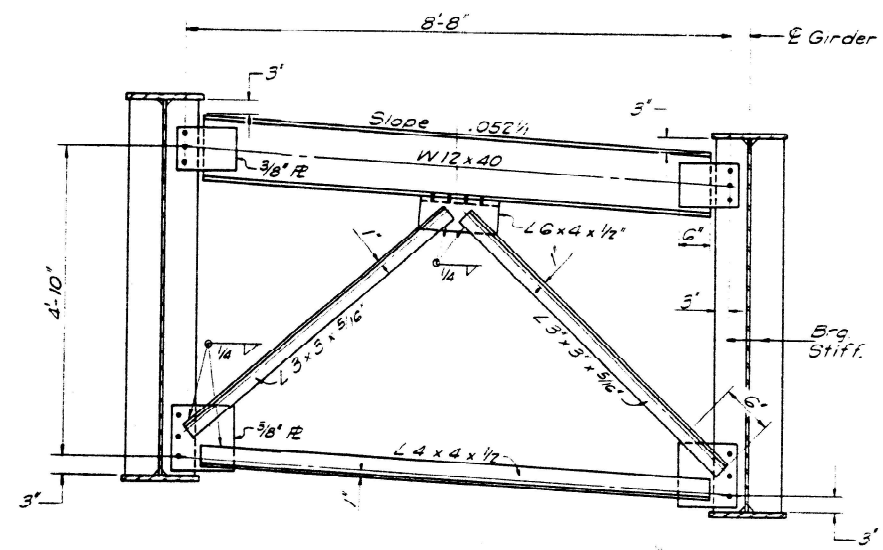
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY - EXISTING STRUCTURAL STEEL
SN 075-0098 (E.B.)

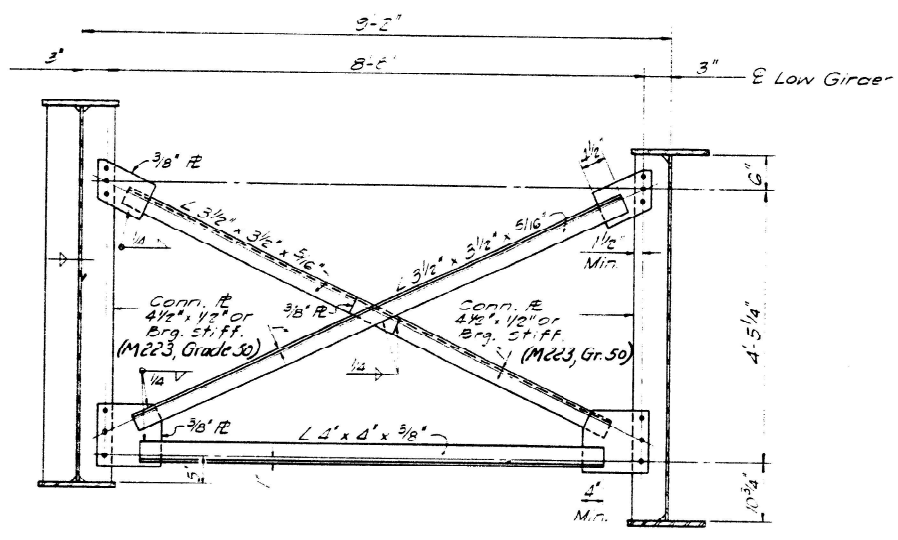
SHEET 18 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR, BP, BJR	PIKE	56	55
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				

DESIGNED BY: F.J.P.	DATE
DRAWN BY: A.D.G. & G.L.D.	
CHECKED BY: M.W.H.	
APPROVED BY: R.J.K.	



TYPICAL END CROSS FRAME CF 1
(Total no. required = 32)

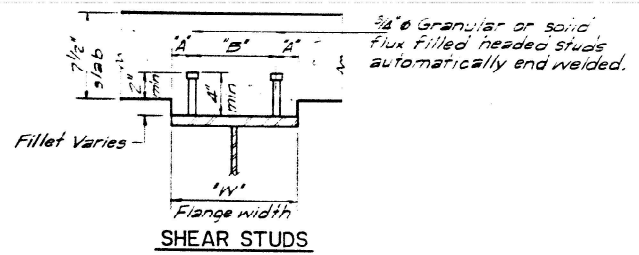


TYPICAL INTERIOR CROSS FRAME CF 2
(Total no. required = 460)

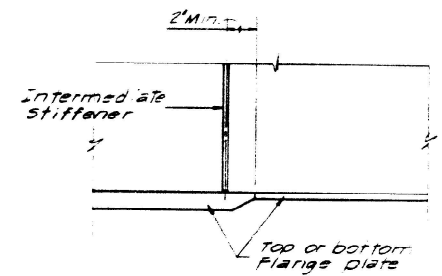
MINIMUM FILLET WELD SIZE (AWS D 1.1)	
T **	MINIMUM SIZE OF FILLET WELD (INCHES) ***
1/4" < T ≤ 1/2"	3/16"
1/2" < T ≤ 3/4"	1/4"
3/4" < T	5/16"

** Base metal thickness of thicker part joined (inches).
*** Except that the weld need not exceed the thickness of the thinner part joined.

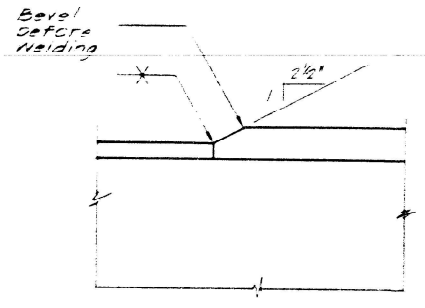
NOTE:
All holes for cross frame connections shall be 1/16" for 3/8" H.S. bolts with two hardened washers.



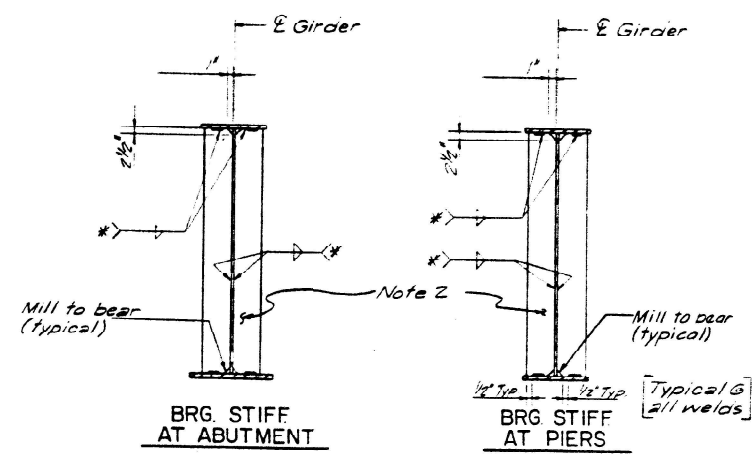
SHEAR STUD DIM.		
W	A	B
12"	3"	6"
14"	3"	8"
16"	4"	8"



STIFFENER CLEARANCE DETAIL

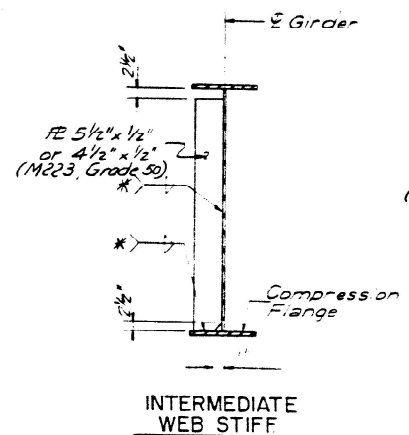


FLANGE PLATE BUTT WELD DETAIL

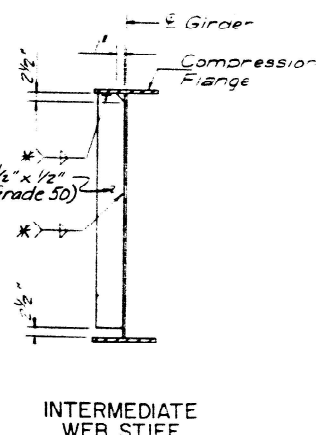


BRG STIFF AT ABUTMENT

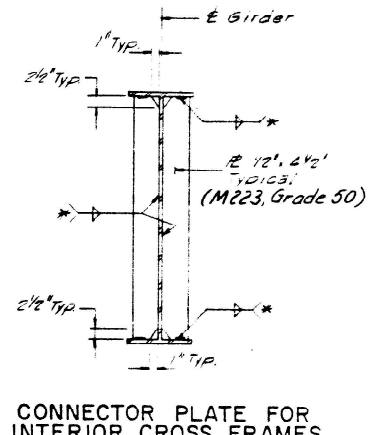
BRG STIFF AT PIERS



INTERMEDIATE WEB STIFF



INTERMEDIATE WEB STIFF



CONNECTOR PLATE FOR INTERIOR CROSS FRAMES

NOTE:
1) Brg stiffener R size varies - see girder elevations for R sizes.

FOR INFORMATION ONLY

* See minimum fillet weld size table for welds.
See Framing Plan sheets for plate sizes.

Work this sheet with sheets 31, 33, 34, 36, 37, 39, 40, 42

REVISIONS		
NO.	BY	DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIKE COUNTY
FA RTE. 408
SEC. 75-3VHB-1
STA. 974+71.36

STRUCTURAL STEEL DETAILS

DESIGNED BY	RJK	SCALE NONE	JOB NO.
DRAWN BY	GJS	DATE	8466-02
CHECKED BY	M.W.H.	SHEET 54 OF 114 SHEETS	
APPROVED BY	R.J.K.	CMT CRAWFORD MURPHY & TILLY, INC. STRUCTURAL ENGINEERS SPRINGFIELD, ILLINOIS	

MODEL: 72601-056
FILE NAME: p:\dot-pw\dot\Documents\IDOT - ces\Bureau of Bridges and Structures\OBM Projects\0750098\CADDData\Structures\07500988.dgn

DESIGNED -	CCC
CHECKED -	SMR
DRAWN -	STEFFEN
CHECKED -	CCC SMR

EXAMINED
ENGINEER OF STRUCTURAL SERVICES
PASSED
Quater W. Mann
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE -	MAY 5, 2026
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY - EXISTING STRUCTURAL STEEL
SN 075-0098 (E.B.) & -0099 (W.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-3VHB-1)BDR,BP,BJR	PIKE	56	56
CONTRACT NO. 72601				
ILLINOIS FED. AID PROJECT				