

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	1
		ILLINOIS	CONTRACT NO. 74998	

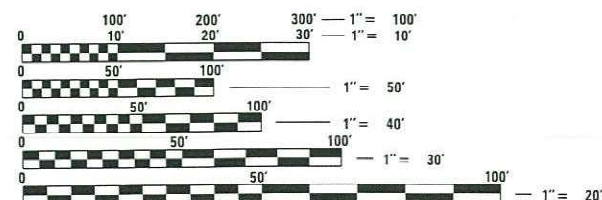
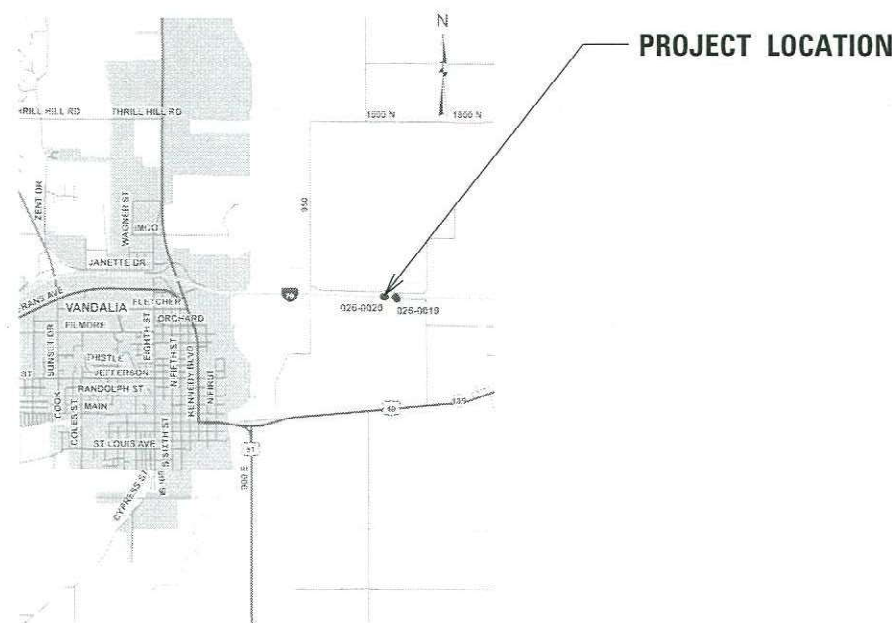
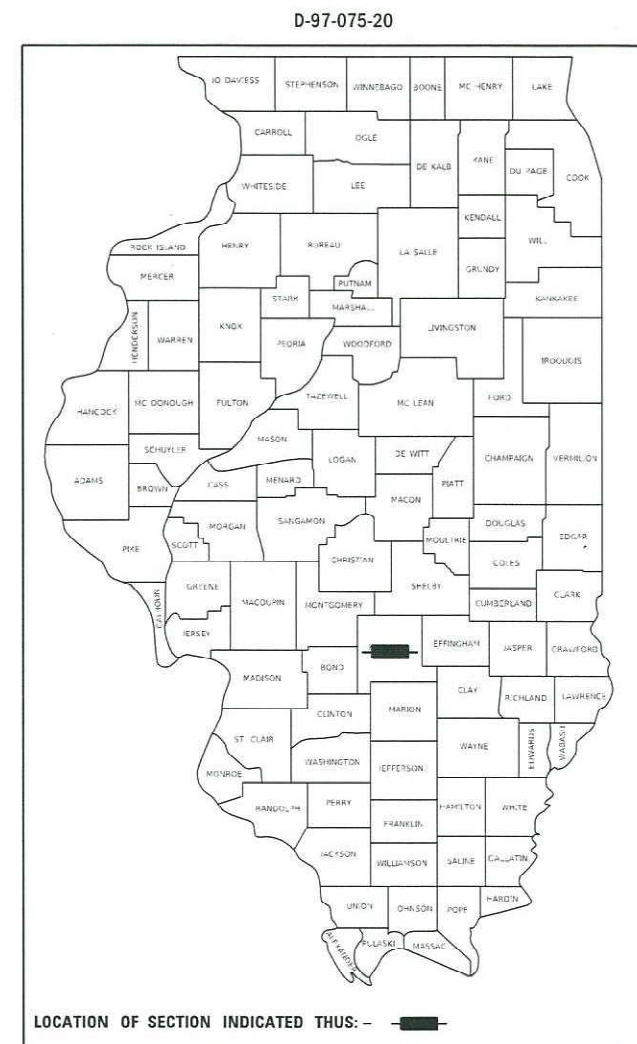
FOR INDEX OF SHEETS, SEE SHEET NO. 2

AADT (2021) = 25,000

PROPOSED HIGHWAY PLANS

FAI ROUTE 70 (I-70)
SECTION D7 BRIDGE REPAIRS 2022-4
PROJECT NHPP-AAG5(872)
BRIDGE REPAIR
FAYETTE COUNTY

C-97-083-20



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: DEBRA G. BARRETT
PROJECT MANAGER: DEBRA G. BARRETT
(217) 342-8243
CONTRACT NO. 74998

LENGTH = 11,000 FT. = 2.08 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 20 20 22
Jeffrey P. Myerka
REGIONAL ENGINEER

July 1, 2022 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2022 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

THIS PROJECT IS LOCATED ON INTERSTATE 70 IN FAYETTE COUNTY, OVER CAMP CREEK, 2 MILES EAST OF VANDALIA.

THE WORK ON THIS PROJECT CONSISTS OF BRIDGE REPAIRS TO BOTH STRUCTURES, INCLUDING NEW WEARING SURFACES, EXPANSION JOINT REPLACEMENT, PARAPET WALL REPAIRS, ABUTMENT WORK, APPROACH SLAB REPLACEMENT, DECK PATCHING, STRUCTURAL CONCRETE REPAIR, AND ANY OTHER WORK NECESSARY TO COMPLETE THE PROJECT. THIS WORK WILL BE DONE USING CROSS-OVERS.

ALL SAWCUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEMS INVOLVED. THE MINIMUM SAW DEPTH IN THE PAVEMENT SHALL BE 1 1/2" UNLESS OTHERWISE NOTED.

BOTH MEDIAN CROSSOVERS WILL REMAIN IN PLACE UPON COMPLETION OF THIS CONTRACT. THESE CROSSOVERS SHALL BE CLOSED USING FLEXIBLE DELINEATORS AND BREAKAWAY SIGN SUPPORT COUPLERS.

CA-6 CRUSHED STONE WITH A MINIMUM IOR OF 80 SHALL BE USED FOR AGGREGATE BASE COURSE, TYPE B FOR THE MEDIAN CROSSOVERS.

RUMBLE STRIPS SHALL BE CONSTRUCTED ON ALL NEW SHOULDERS ON I-70. SHOULDER RUMBLE STRIPS SHALL BE CUT INTO THE CROSSOVER PAVEMENT AT THE SHOULDER LOCATIONS ON I-70 AFTER THE CROSSOVERS ARE NO LONGER REQUIRED. RUMBLE STRIPS WILL BE PAID PER FOOT AS SHOULDER RUMBLE STRIPS 16 INCH.

SHORT TERM PAVEMENT MARKING ON THE MILLED SURFACE SHALL BE PAINT. ALL OTHER SHORT TERM PAVEMENT MARKING SHALL BE TAPE.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HMA SURFACE COURSE.

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
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THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED

STD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420101-07	24' (7.2 M) JOINTED PCC PAVEMENT
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602301-04	INLET, TYPE A
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-03	SHOULDER RUMBLE STRIPS, 16 IN.
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701416-11	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH CROSSOVER AND BARRIER
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED RELECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
830026-01	TEMPORARY ROADWAY LIGHTING
602701-02	MANHOLE STEPS

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HOT MIX ASPHALT	112 LB/SQ YD/IN
BITUMINOUS MATERIALS (TACK COAT)	
MILLED/CONCRETE SURFACE	0.05 LB/SQ FT
BETWEEN HMA LIFTS	0.025 LB/SQ FT
GRANULAR MATERIAL	2.05 TONS/CU YD

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE/SHOULDERS	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	QCQA	N/A	N/A

REV. - MS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS &
LIST OF STANDARDS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	

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

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0047 90% FED 10% STATE		
20200100	EARTH EXCAVATION	CU YD	1422	1422		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	7396	7396		
28000500	INLET AND PIPE PROTECTION	EACH	5	5		
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	4538	4538		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1660	1660		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	690	690		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	622	622		
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	100	100		
42000060	WELDED WIRE REINFORCEMENT	SO YD	2760	2760		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SO YD	133	133		
42000515	PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4"	SO YD	2760	2760		
42001300	PROTECTIVE COAT	SO YD	2760	2760		
44004250	PAVED SHOULDER REMOVAL	SO YD	889	889		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0047 90% FED 10% STATE		
44213200	SAW CUTS	FOOT	1600	1600		
50102400	CONCRETE REMOVAL	CU YD	115.2	115.2		
50157300	PROTECTIVE SHIELD	SO YD	177	177		
50200100	STRUCTURE EXCAVATION	CU YD	26	26		
50300225	CONCRETE STRUCTURES	CU YD	22	22		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	153.5	153.5		
50300300	PROTECTIVE COAT	SO YD	5101	5101		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	103.6	103.6		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	60040	60040		
50800530	MECHANICAL SPLICERS	EACH	54	54		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	346	346		
54213459	END SECTIONS 24"	EACH	2	2		
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	40	40		
54200229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	350	350		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	3
			CONTRACT NO. 74998	
			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0047 90% FED 10% STATE		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	26	26		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	23	23		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1		
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	85	85		
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	75	75		
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2		
60261000	INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
63200310	GUARDRAIL REMOVAL	FOOT	160	160		
63800920	MODULAR GLARE SCREEN SYSTEM, TEMPORARY	FOOT	9140	9140		
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	1600	1600		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0047 90% FED 10% STATE		
67100100	MOBILIZATION	L SUM	1	1		
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	2	2		
70100410	TRAFFIC CONTROL AND PROTECTION, STANDARD 701416	EACH	2	2		
70100701	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	EACH	1	1		
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	2480	2480		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	517	517		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	4784	4784		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4784	4784		
* 78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6"	FOOT	3457	3457		
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	2478	2478		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	20	20		
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	448	448		

* SPECIALTY ITEM

REV. - MS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0047 90% FED 10% STATE		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	36	36		
X0320586	FLEXIBLE DELINEATORS	EACH	36	36		
X5012650	CONCRETE HEADWALL REMOVAL SPECIAL	EACH	5	5		
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SO YD	3319	3319		
X6350120	DELINEATOR REMOVAL	EACH	18	18		
*X7270008	BREAKAWAY SIGN SUPPORT COUPLER	EACH	36	36		
X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1	1		
Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SO YD	160	160		
Z0004552	APPROACH SLAB REMOVAL	SO YD	240	240		
Z0012111	BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/2"	SO YD	4642	4642		
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SO YD	2525	2525		
Z0012144	BRIDGE DECK SCARIFICATION 2 1/2"	SO YD	2117	2117		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SO FT	299	299		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0047 90% FED 10% STATE		
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	17	17		
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	85	85		
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SO YD	6237	6237		

* SPECIALTY ITEM

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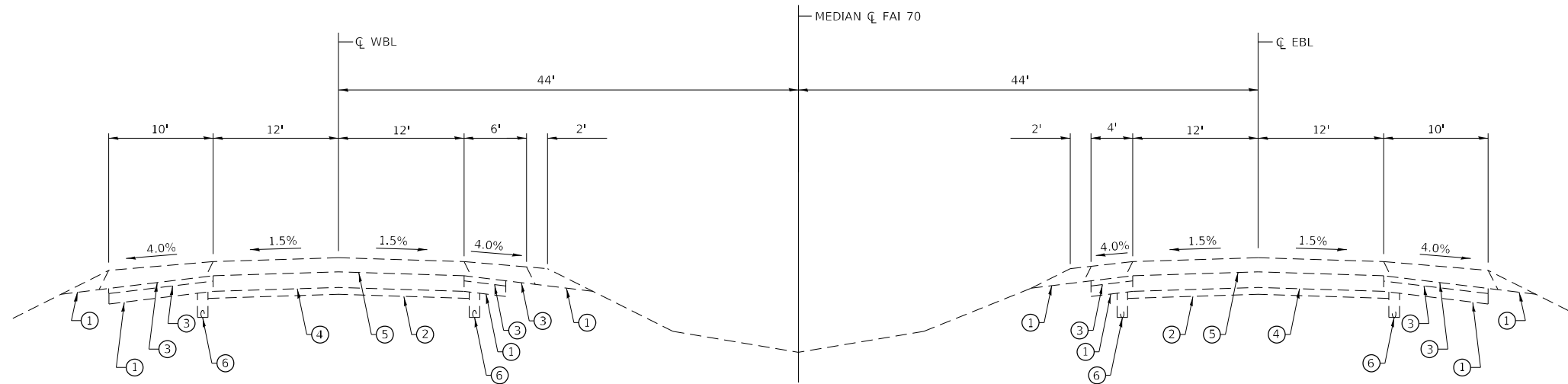
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	



EXISTING TYPICAL SECTION
STATION 617 + 79.95 TO STATION 630 + 25.05

- ① AGGREGATE SHOULDERS
- ② 4" SUBBASE GRANULAR MATERIAL
- ③ HMA SHOULDERS
- ④ 9" CRPCC PAVEMENT
- ⑤ HMA OVERLAY
- ⑥ 4" PIPE UNDERDRAINS

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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

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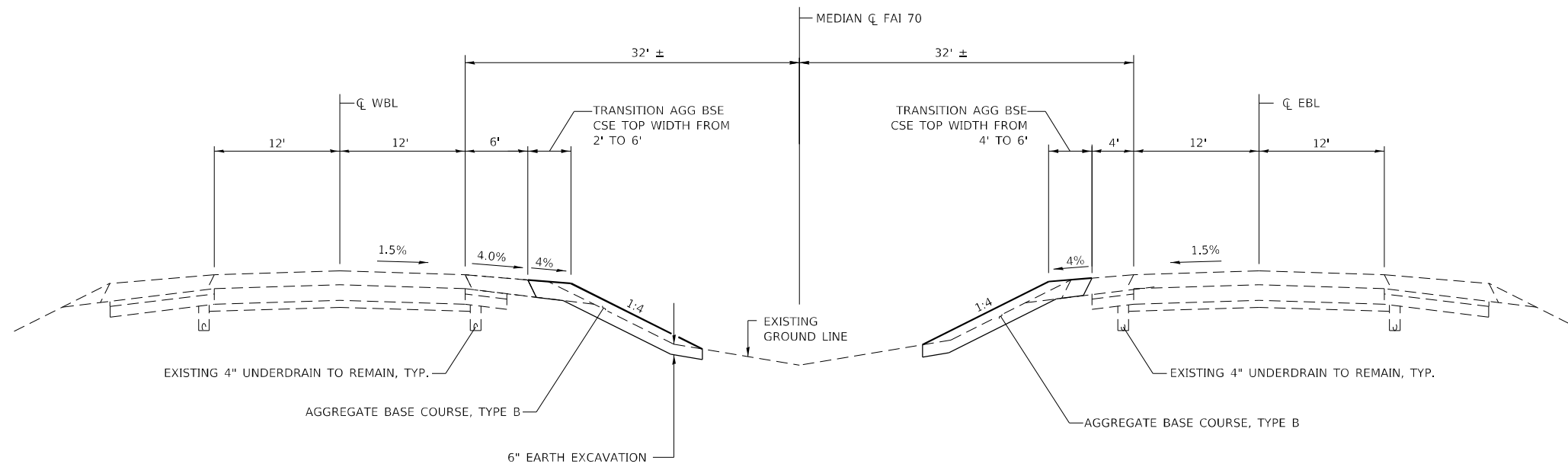
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-70
TYPICAL SECTIONS

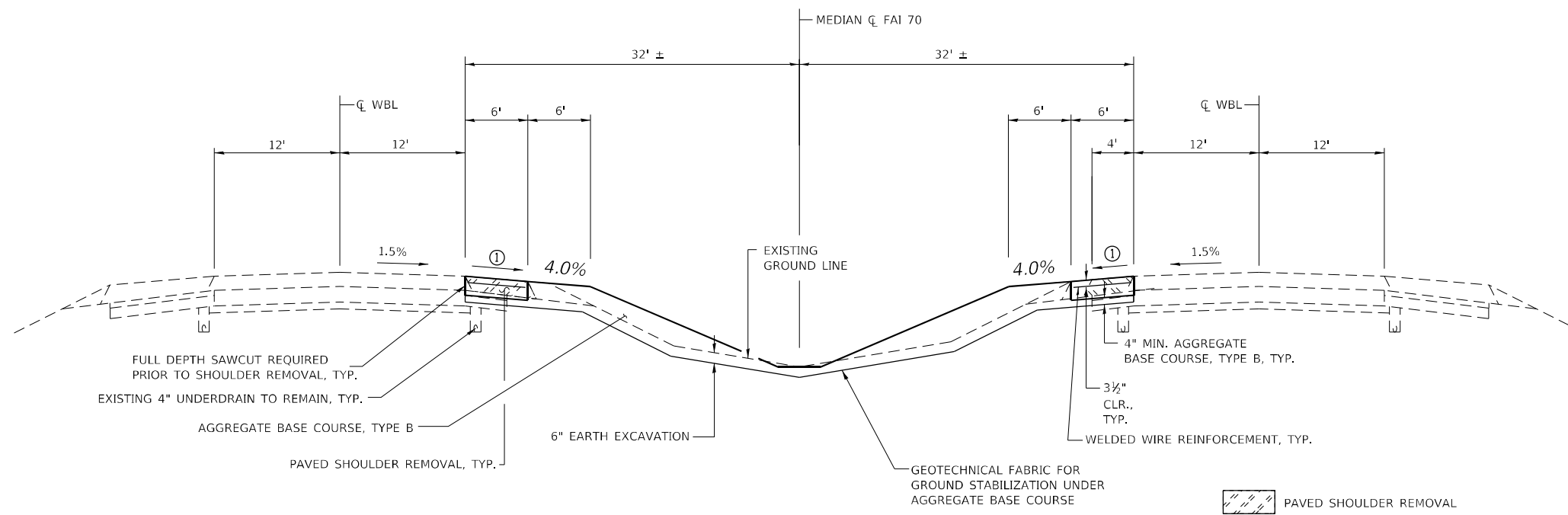
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	6
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



PROPOSED TYPICAL SECTION
STATION 617+79.95 TO STATION 618+49.95
STATION 629+50.05 TO STATION 630+25.05



PROPOSED TYPICAL SECTION
STATION 618+49.95 TO STATION 620+28.60
STATION 627+71.40 TO STATION 669+50.05

① 2.0% SLOPE; TRANSITION FROM 2.0% TO EXISTING SHOULDER SLOPE WITHIN 10 FEET

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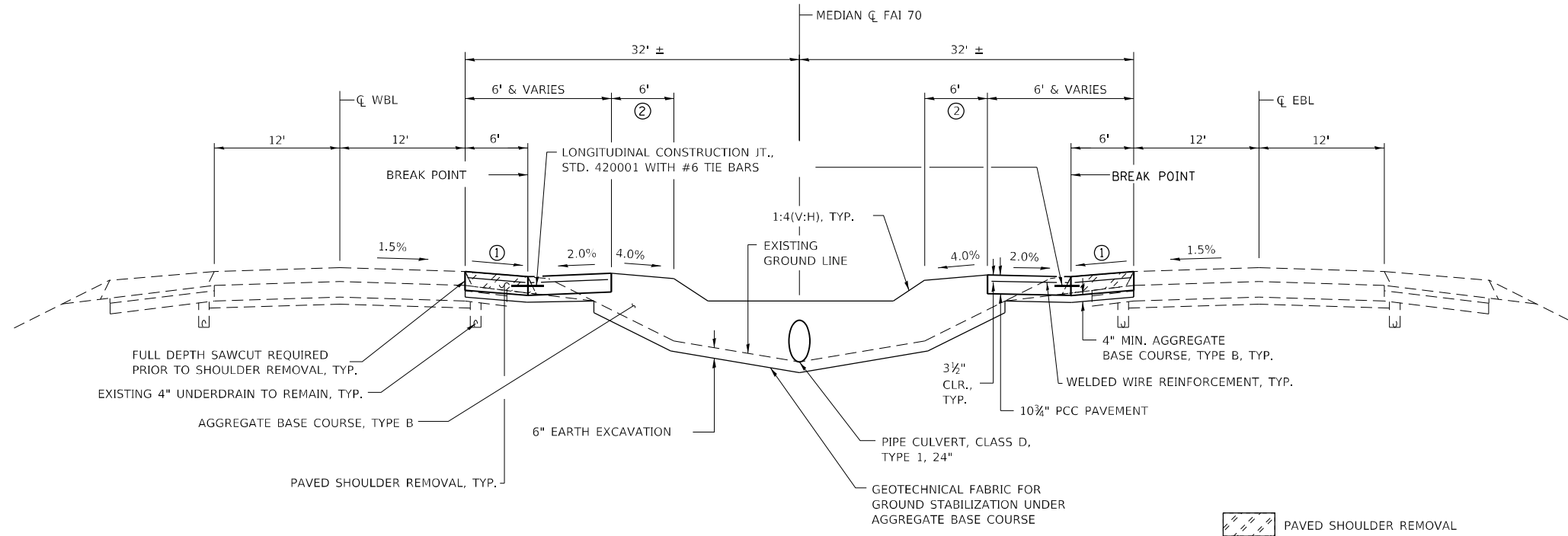
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 Civil and Structural Engineering

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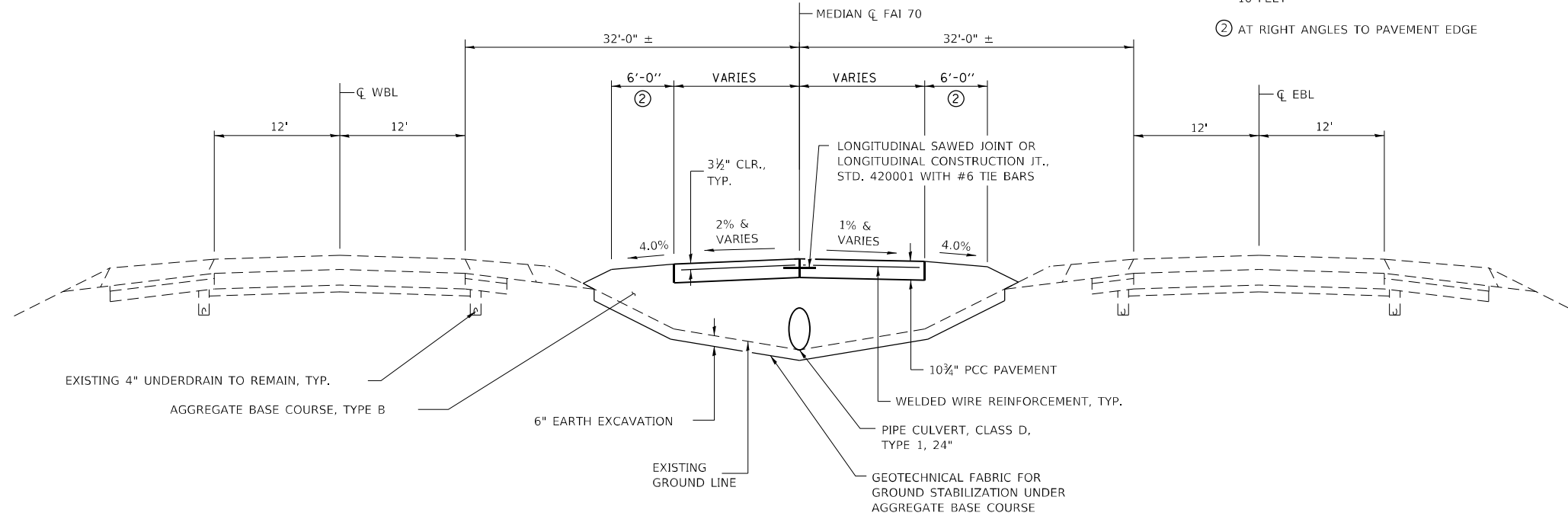
I-70				
TYPICAL SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	7
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
STATION 620+28.60 TO STATION 623+13.46
STATION 624+86.54 TO STATION 627+71.40

- ① 2.0% SLOPE; TRANSITION FROM 2.0% TO EXISTING SHOULDER SLOPE WITHIN 10 FEET
- ② AT RIGHT ANGLES TO PAVEMENT EDGE



PROPOSED TYPICAL SECTION
STATION 623+13.46 TO STATION 624+86.54

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	DATE - 7-29-2021	REVISED -

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DATE - 7-29-2021	REVISED -

STATE OF ILLINOIS
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I-70 TYPICAL SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	8
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

EARTHWORK

EARTHWORK LOCATION	20200100 EARTH EXCAVATION CU YD	21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SQ YD	35101500 AGGREGATE BASE COURSE, TYPE B CU YD
STA 617+74.95 TO STA 630+25.05	1,422	7,396	4,538
TOTAL	1,422	7,396	4,538

INLET AND PIPE PROTECTION

28000500 INLET AND PIPE PROTECTION		EACH
LOCATION		
I-70 MEDIAN		
STA 620+50.00		1
STA 622+01.16		1
STA 624+00.00		2
STA 627+50.00		1
TOTAL		5

TRAFFIC CONTROL

LOCATION	70100205	70100410
	TRAFFIC CONTROL AND PROTECTION STANDARD	TRAFFIC CONTROL AND PROTECTION STANDARD
	701401	701416
	EACH	EACH
EASTBOUND	1	1
WESTBOUND	1	1
TOTAL	2	2

END SECTIONS 24"

54213459 END SECTIONS 24"		EACH
LOCATION		
I-70 MEDIAN		
STA 620+50		1
STA 627+50		1
TOTAL		2

PIPE CULVERT 15"

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"		FOOT
LOCATION		
I-70 MEDIAN		
LT STA. 624+00.00		20
RT STA. 624+00.00		20
TOTAL		40

PIPE CULVERT 24"

542D0229 PIPE CULVERTS, CLASS D, TYPE 1 24"		FOOT
LOCATION		
I-70 MEDIAN		
STA. 620+50.00 TO STA 622+00		150.00
STA. 622+00.00 TO STA 624+00		200.00
STA. 624+00.00 TO STA 627+50		350.00
TOTAL		350

INLETS & MANHOLES

LOCATION	60236200	60261000	60218400
	INLETS, TYPE A, TYPE 8, GRATE EACH	ADJUSTED WITH NEW TYPE 8 GRATE EACH	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID EACH
I-70 MEDIAN			
STA. 622+01.16		1	
STA. 624+00.00			1
LT STA 624+00.00	1		
RT STA. 624+00.00	1		
TOTAL	2	1	1

HEADWALLS & UNDERDRAINS

LOCATION	X5012650	60100060	60108100
	CONCRETE HEADWALL REMOVAL, SPECIAL EACH	CONCRETE HEADWALLS FOR PIPE DRAINS EACH	PIPE UNDERDRAINS 4" (SPECIAL) FOOT
EASTBOUND			
STA 618+20	1	1	5
STA 622+50	1		20
STA 626+75	1		20
WESTBOUND			
STA 622+25	1		20
STA 627+02	1		20
TOTAL	5	1	85

PAVEMENT MARKING

LOCATION	70107005	70300150
	PAVEMENT MARKING BLACKOUT TAPE, 5" FOOT	SHORT TERM PAVEMENT MARKING REMOVAL SQ FT
STAGE 1		
WEST CROSSOVER		
LT STA. 570+50.00 TO STA. 573+60.00	310	129
RT STA. 578+40.00 TO STA. 581+50.00	310	129
EAST CROSSOVER		
RT STA. 618+50.00 TO STA. 621+60.00	310	129
LT STA. 626+40.00 TO STA. 629+50.00	310	129
STAGE 2		
WEST CROSSOVER		
RT STA. 570+50.00 TO STA. 573+60.00	310	129
LT STA. 578+40.00 TO STA. 581+50.00	310	129
EAST CROSSOVER		
LT STA. 618+50.00 TO STA. 621+60.00	310	129
RT STA. 626+40.00 TO STA. 629+50.00	310	129
TOTAL	2480	517

PAVING AND REMOVAL ITEMS AT BRIDGE APPROACHES

STATION	TO	STATION	LENGTH	WIDTH	AREA	AREA	SURFACE COURSE	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (1 3/4")	LONGITUDINAL JOINT SEALANT	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	APPROACH SLAB REMOVAL	BRIDGE APPROACH SHOULDER REMOVAL	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
							THICKNESS				SQ YD			
			FEET	FEET	SQ FT	SQ YD	INCH	POUND	TON	FEET	SQ YD	SQ YD	SQ YD	SQ YD
BRIDGE 026-0019 EB														
606+28.10		606+98.10	70.0	40.0	2800.0	311.1	1.75	140.0	30.5	210.0	311.1			
606+98.10		607+13.10	15.0	40.0	600.0	66.7	1.75	30.0	6.5	45.0				
607+13.10		607+43.10	30.0	40.0	1200.0	133.3	1.75	60.0	13.1	90.0				
607+43.10		613+43.10	600.0	40.0	24000.0	2666.7	1.75	1200.0						
613+43.10		613+73.10	30.0	40.0	1200.0	133.3	1.75	60.0	13.1	90.0				
613+73.10		613+88.10	15.0	40.0	600.0	66.7	1.75	30.0	6.5	45.0				
613+88.10		614+58.10	70.0	40.0	2800.0	311.1	1.75	140.0	30.5	210.0	311.1			
BRIDGE 026-0020 WB														
606+98.79		607+13.79	15.0	40.0	600.0	66.7						40.0	26.7	66.7
607+13.79		607+43.79	30.0	40.0	1200.0	133.3						80.0	53.3	
607+43.79		613+42.41	598.6	34.0	20353.1	2261.5								
613+42.41		613+72.41	30.0	40.0	1200.0	133.3						80.0	53.3	
613+72.41		613+87.41	15.0	40.0	600.0	66.7						40.0	26.7	66.7
TOTALS								1660	100	690	622	240	160	133

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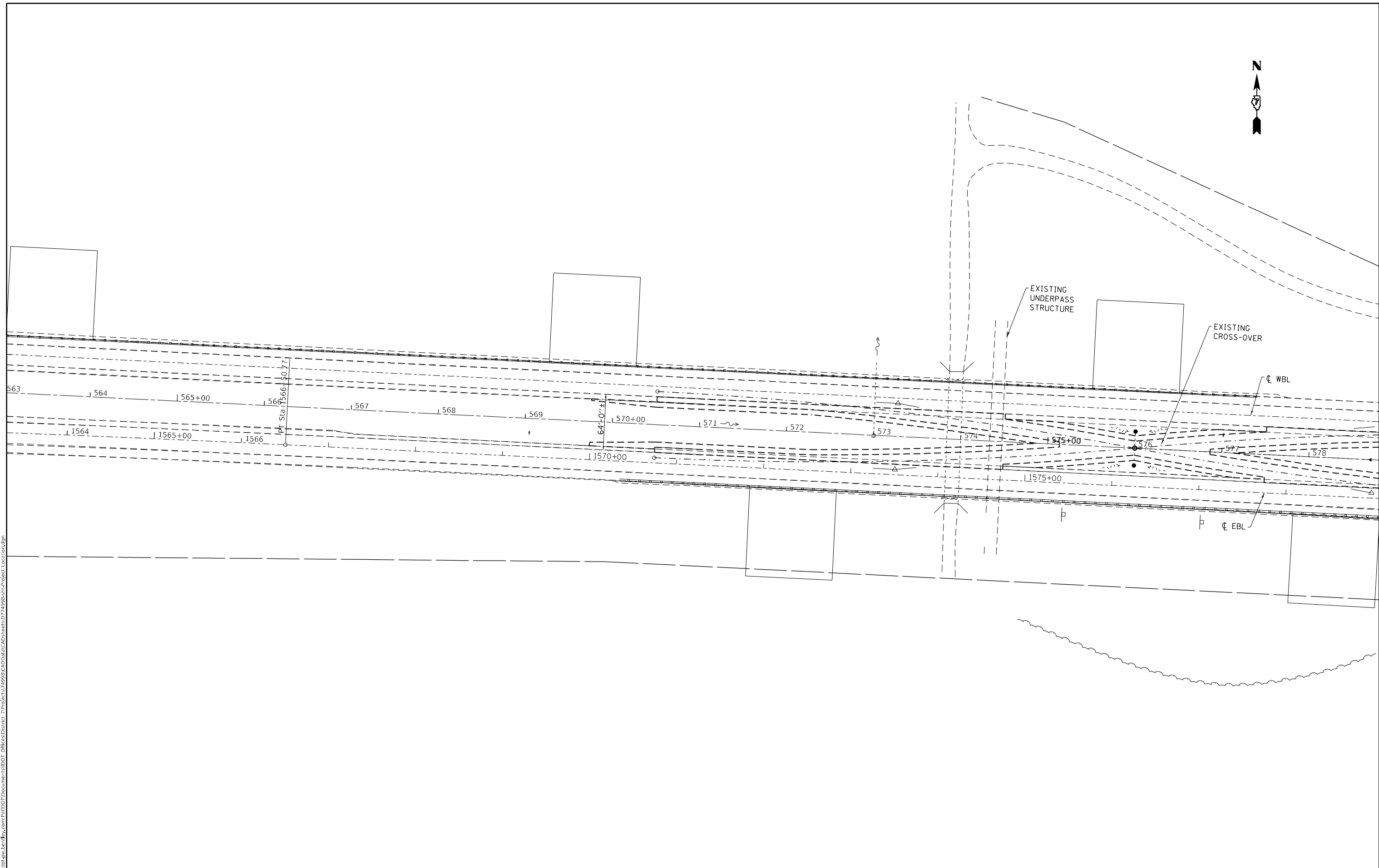
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	9
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



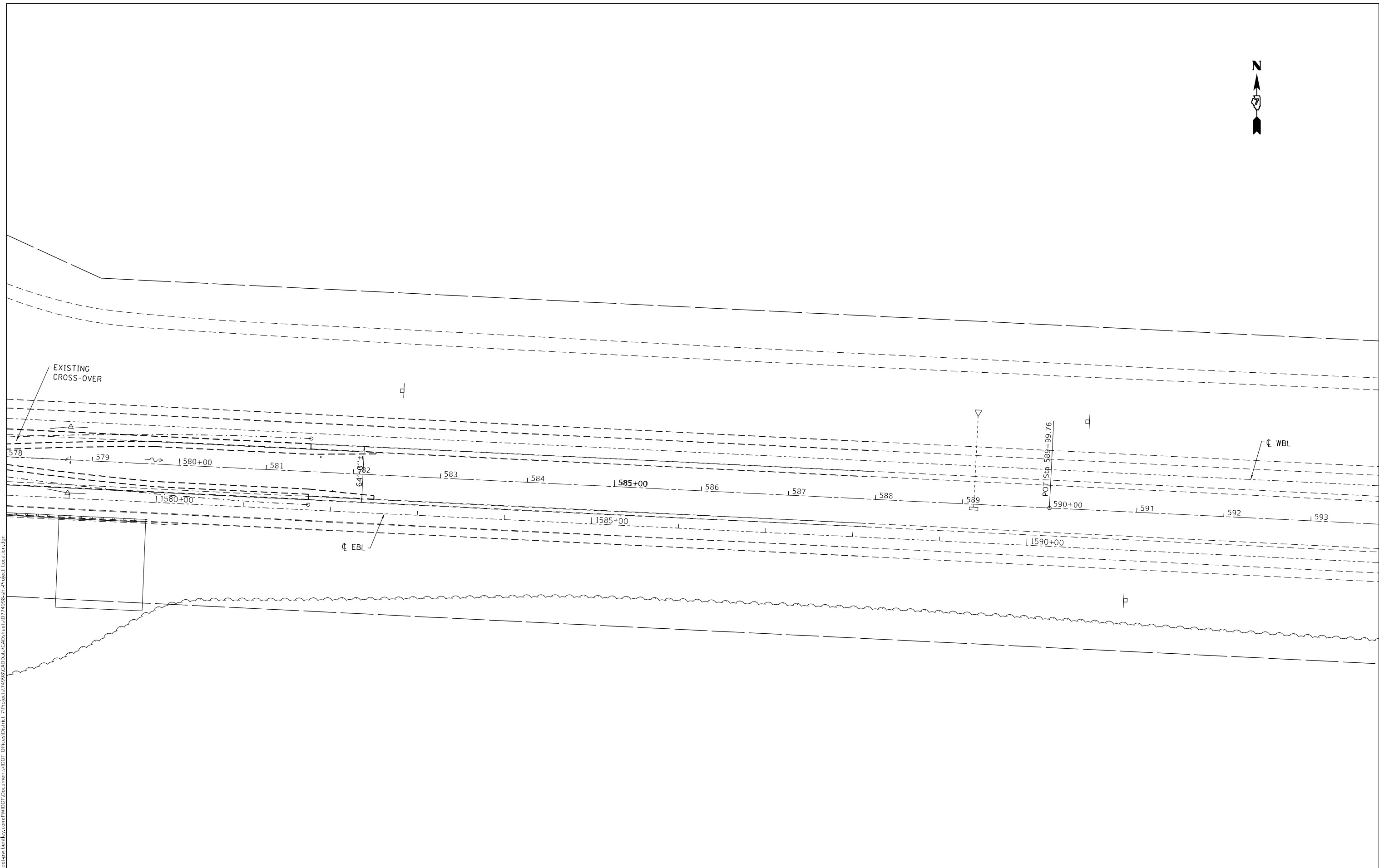
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PLOT DATE = 5/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT LOCATION			
INTERSTATE I-70 - STA 564+00 TO STA 578+50			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	11
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



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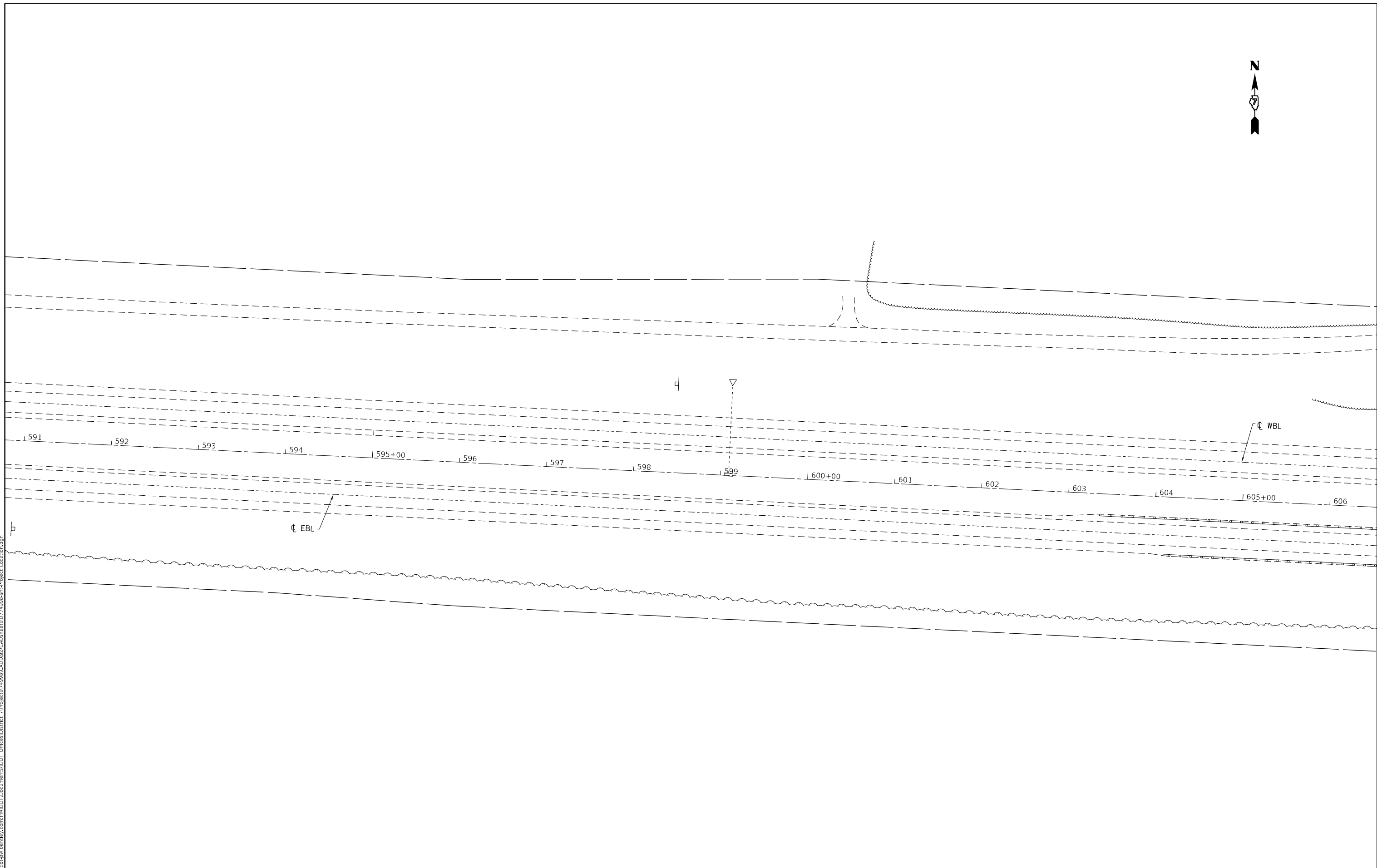
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PLOT DATE = 5/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT LOCATION
INTERSTATE I-70 - STA 578+50 TO STA 593+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	12
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



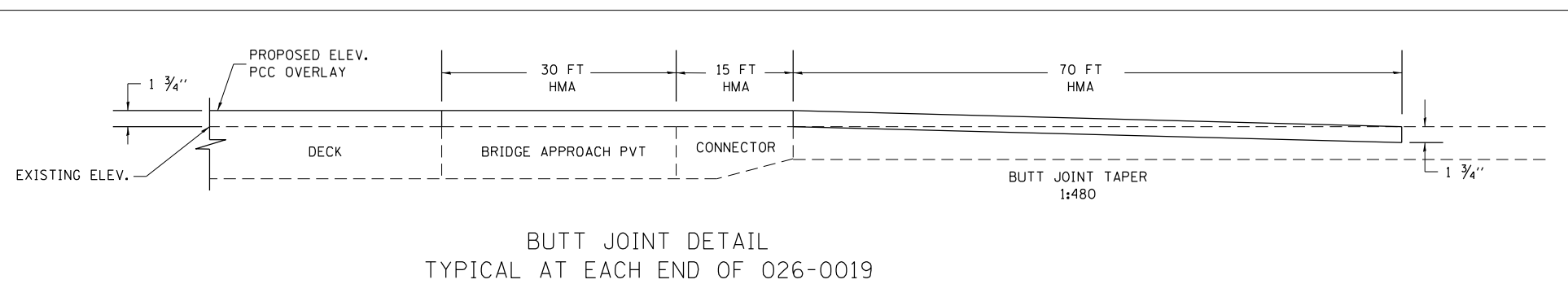
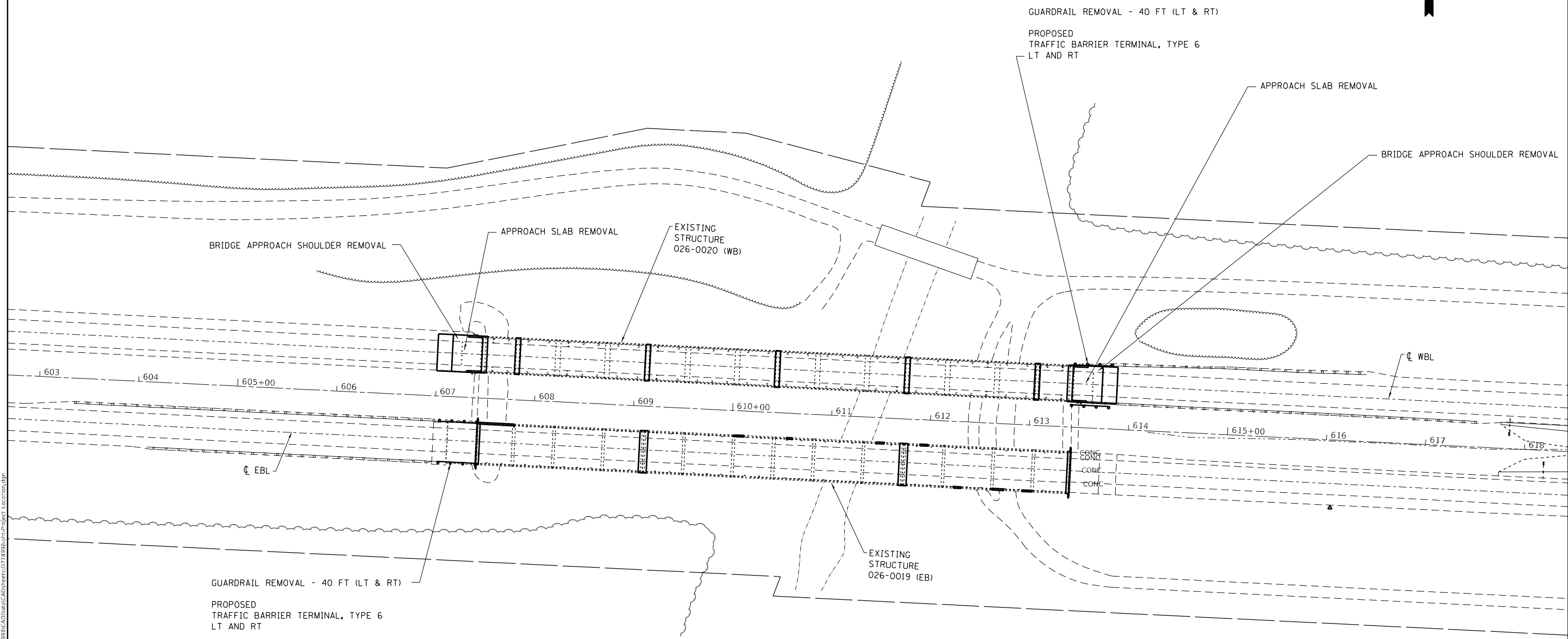
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PLOT DATE = 5/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT LOCATION			
INTERSTATE I-70 - STA 593+00 TO STA 605+00			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	13
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



BUTT JOINT DETAIL
TYPICAL AT EACH END OF 026-0019

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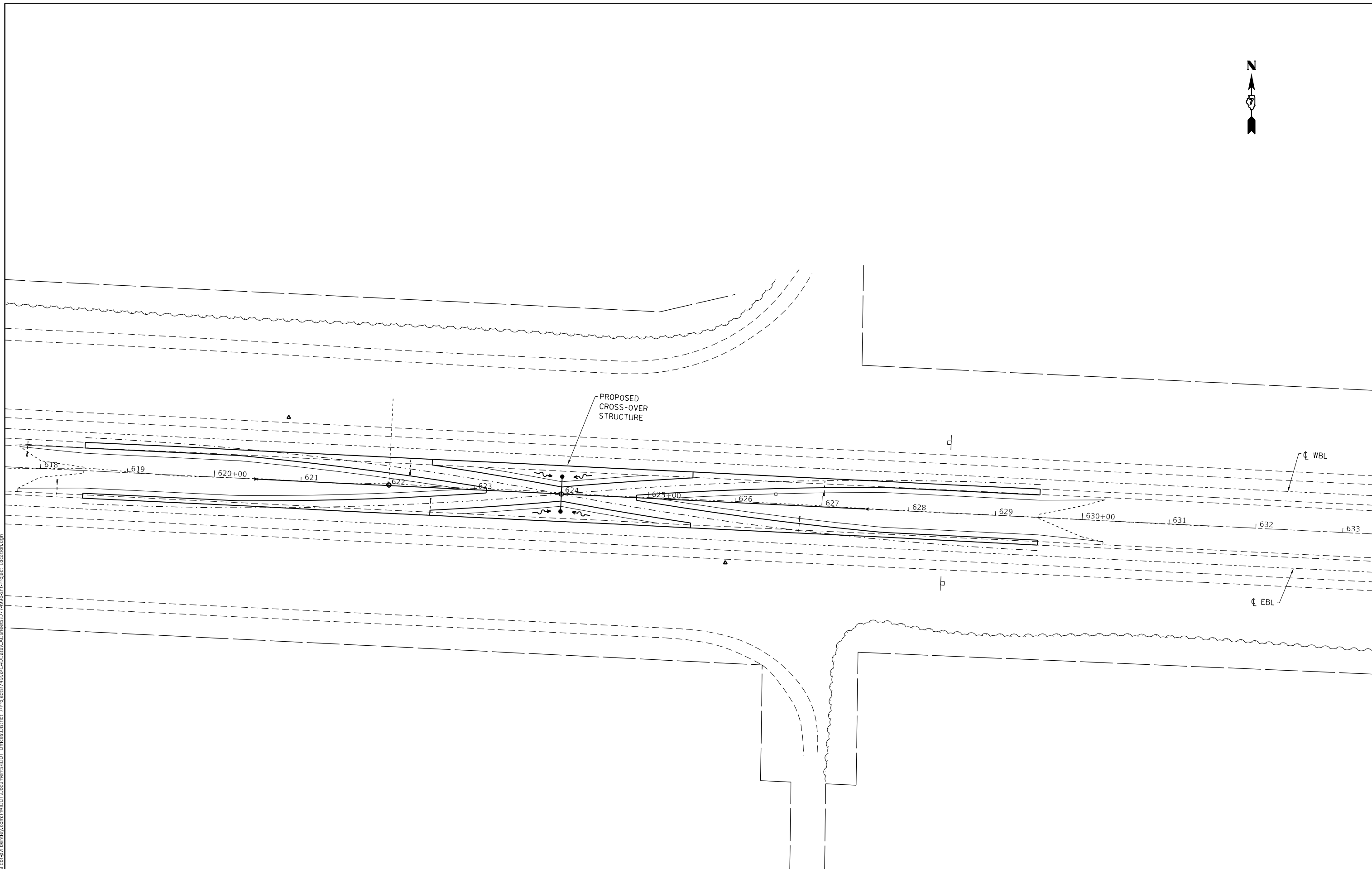
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PLOT DATE = 5/27/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT LOCATION
INTERSTATE I-70 - STA 605+00 TO STA 618+00**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	14
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 5/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

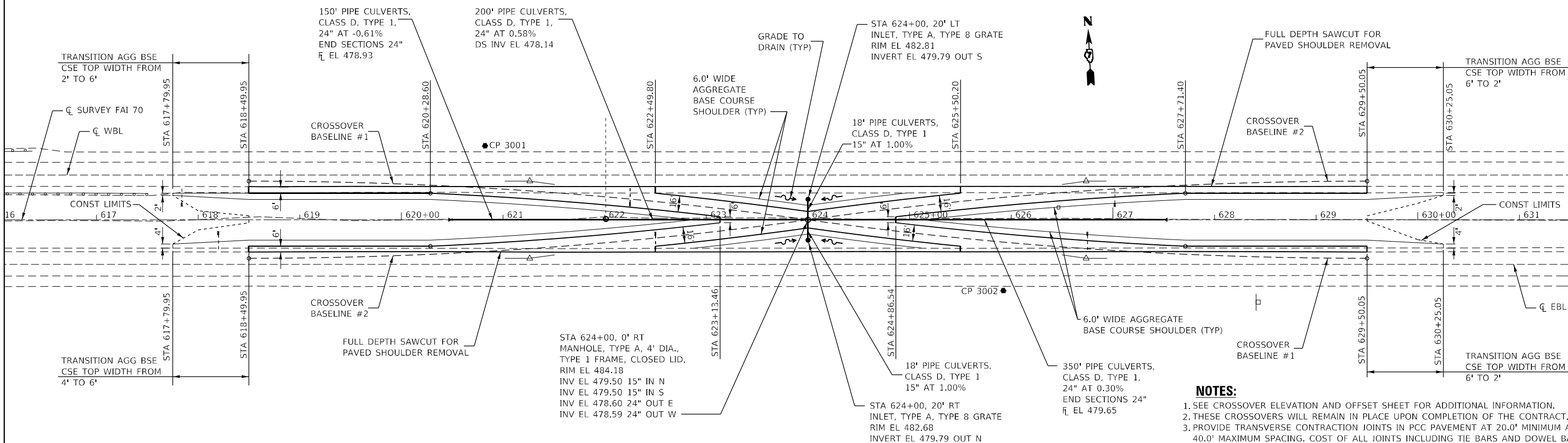
PROJECT LOCATION
INTERSTATE I-70 - STA 618+00 TO STA 633+00

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	15
			CONTRACT NO. 74998	
ILLINOIS FED. AID PROJECT				

SECTION 11, T6N, R1E, 3RD PM

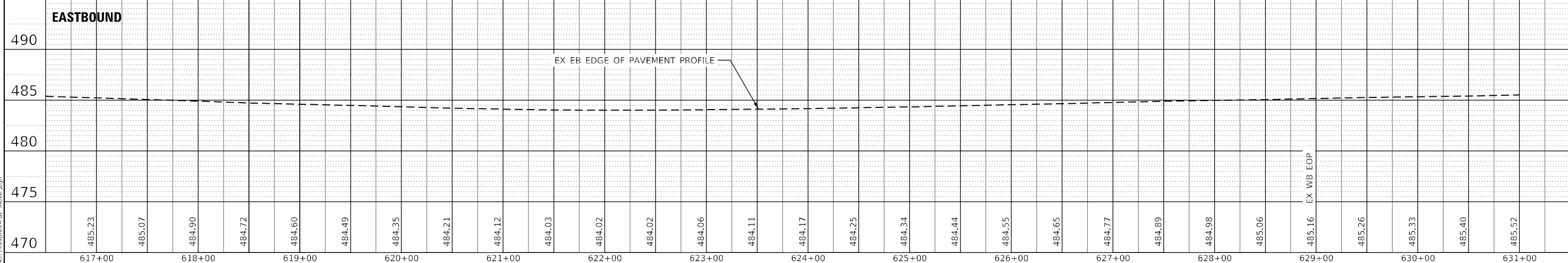
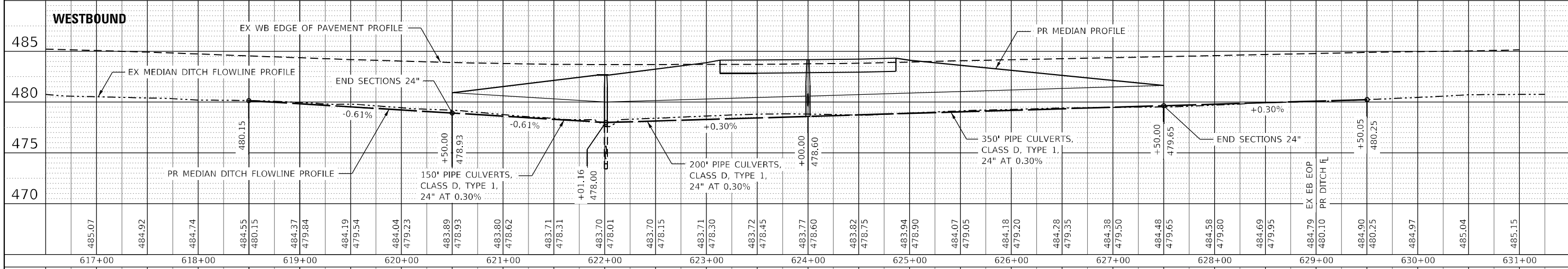
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	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION	
	FILE NAME	
	NO.	



- NOTES:**
1. SEE CROSSOVER ELEVATION AND OFFSET SHEET FOR ADDITIONAL INFORMATION.
 2. THESE CROSSOVERS WILL REMAIN IN PLACE UPON COMPLETION OF THE CONTRACT.
 3. PROVIDE TRANSVERSE CONTRACTION JOINTS IN PCC PAVEMENT AT 20.0' MINIMUM AND 40.0' MAXIMUM SPACING. COST OF ALL JOINTS INCLUDING TIE BARS AND DOWEL BARS IS INCLUDED IN PCC PAVEMENT.

SECTION 11, T6N, R1E, 3RD PM

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION	
	FILE NAME	
	NO.	



CEC Cummins Engineering Corporation
Civil and Structural Engineering

USER NAME = default	DESIGNED - TEC	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TEC	REVISED -
PLOT DATE = 5/24/2022	CHECKED -	REVISED -
	DATE - 6-29-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-70
CROSSOVER PLAN AND PROFILE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	16
CONTRACT NO. 74998				

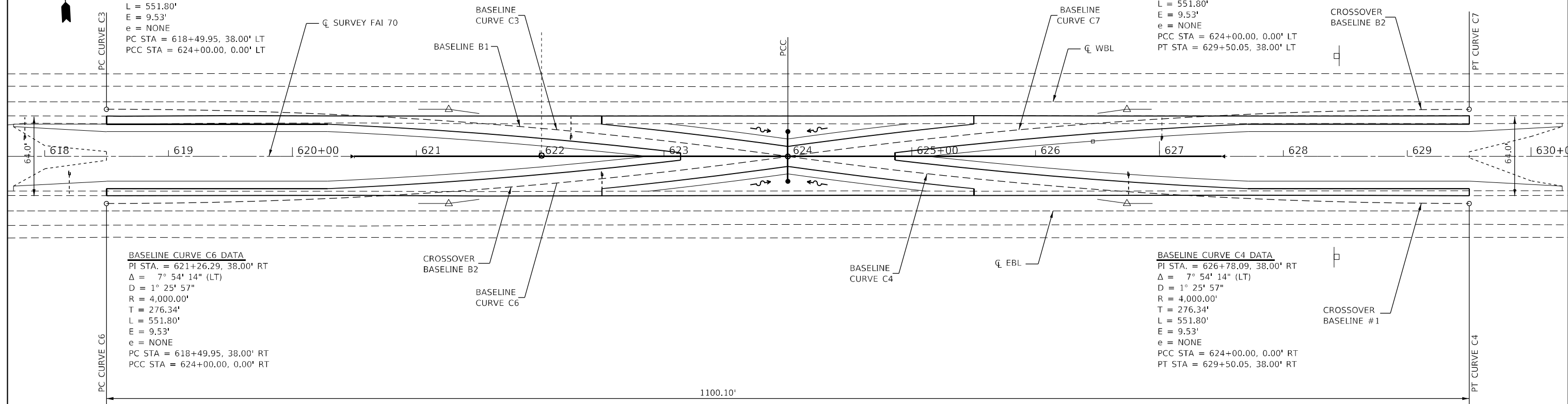


BASELINE CURVE C3 DATA
 PI STA. = 621+26.29, 38.00' LT
 $\Delta = 7^\circ 54' 14''$ (RT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$
 $e = \text{NONE}$
 PC STA = 618+49.95, 38.00' LT
 PCC STA = 624+00.00, 0.00' LT

BASELINE CURVE C7 DATA
 PI STA. = 626+78.09, 38.00' RT
 $\Delta = 7^\circ 54' 14''$ (RT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$
 $e = \text{NONE}$
 PCC STA = 624+00.00, 0.00' LT
 PT STA = 629+50.05, 38.00' LT

BASELINE CURVE C6 DATA
 PI STA. = 621+26.29, 38.00' RT
 $\Delta = 7^\circ 54' 14''$ (LT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$
 $e = \text{NONE}$
 PC STA = 618+49.95, 38.00' RT
 PCC STA = 624+00.00, 0.00' RT

BASELINE CURVE C4 DATA
 PI STA. = 626+78.09, 38.00' RT
 $\Delta = 7^\circ 54' 14''$ (LT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$
 $e = \text{NONE}$
 PCC STA = 624+00.00, 0.00' RT
 PT STA = 629+50.05, 38.00' RT



1100.10'

ELEVATION AND OFFSET DATA

CL SURVEY FAI 70 STATION	BASELINE #1		BASELINE #2		EOP LEFT OF CL		BREAK POINT LEFT		EOP LEFT OF CL		FAI 70CL		EOP RIGHT OF CL		BREAK POINT RIGHT		EOP RIGHT OF CL							
	OFFSET (FT)		OFFSET (FT)		OFFSET (FT)		OFFSET (FT)		OFFSET (FT)		OFFSET (FT)		OFFSET (FT)		OFFSET (FT)		OFFSET (FT)							
	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT						
618+49.95	38.00	LT	38.00	RT	32.53	LT	484.55	-	-	26.53	LT	484.43	-	-	25.70	RT	484.00	-	-	31.70	RT	484.72		
619+00.00	37.69	LT	37.69	RT	32.68	LT	484.37	-	-	26.68	LT	484.25	-	-	25.63	RT	484.48	-	-	31.63	RT	484.60		
619+50.00	36.75	LT	36.75	RT	32.91	LT	484.19	-	-	26.91	LT	484.07	-	-	25.53	RT	484.37	-	-	31.53	RT	484.49		
620+00.00	35.19	LT	35.19	RT	32.77	LT	484.04	-	-	26.77	LT	483.92	-	-	25.46	RT	484.23	-	-	31.46	RT	484.35		
620+50.00	32.99	LT	32.99	RT	32.60	LT	483.89	26.60	LT	483.77	24.98	LT	483.80	-	-	24.98	RT	484.10	25.40	RT	484.09	31.40	RT	484.21
621+00.00	30.18	LT	30.18	RT	32.59	LT	483.80	26.59	LT	483.68	22.16	LT	483.77	-	-	22.16	RT	484.03	25.60	RT	484.00	31.60	RT	484.12
621+50.00	26.73	LT	26.73	RT	32.60	LT	483.97	26.60	LT	483.91	18.71	LT	484.03	-	-	18.71	RT	483.97	25.83	RT	483.91	31.83	RT	484.03
622+01.16	22.55	LT	22.55	RT	32.62	LT	483.70	26.62	LT	483.58	14.52	LT	483.82	-	-	14.52	RT	483.99	25.80	RT	483.90	31.80	RT	484.02
622+49.80	17.96	LT	17.96	RT	32.64	LT	483.70	26.64	LT	483.58	9.92	LT	483.91	-	-	9.92	RT	484.03	25.75	RT	483.90	31.75	RT	484.02
623+00.00	12.60	LT	12.60	RT	20.65	LT	483.71	-	-	-	4.55	LT	484.03	-	-	4.55	RT	484.09	-	-	-	20.65	RT	483.98
623+13.45	11.05	LT	11.05	RT	19.11	LT	483.74	-	-	-	3.00	LT	484.07	0.00	484.13	3.00	RT	484.11	-	-	-	19.11	RT	484.01
623+50.00	6.62	LT	6.62	RT	14.68	LT	483.84	-	-	-	-	-	0.00	484.14	-	-	-	-	-	-	14.68	RT	484.05	
624+00.00	0.00	RT	0.00	LT	8.80	LT	484.02	-	-	-	-	-	0.00	484.18	-	-	-	-	-	-	8.80	RT	484.14	
624+50.00	6.62	RT	6.62	LT	14.68	LT	483.94	-	-	-	-	-	0.00	484.23	-	-	-	-	-	-	14.68	RT	484.17	
624+86.54	11.05	RT	11.05	LT	19.11	LT	483.94	-	-	-	3.00	LT	484.26	0.00	484.32	3.00	RT	484.32	-	-	-	19.11	RT	484.23
625+00.00	12.60	RT	12.60	LT	20.65	LT	483.94	-	-	-	4.55	LT	484.27	-	-	4.55	RT	484.33	-	-	-	20.65	RT	484.25
625+50.15	17.96	RT	17.96	LT	32.88	LT	484.07	26.88	LT	483.95	9.92	LT	484.29	-	-	9.92	RT	484.42	26.00	RT	484.32	31.55	RT	484.44
626+00.00	22.65	RT	22.65	LT	32.82	LT	484.18	26.82	LT	484.06	14.62	LT	484.30	-	-	14.62	RT	484.50	25.52	RT	484.43	31.52	RT	484.55
626+50.00	26.73	RT	26.73	LT	32.71	LT	484.28	26.71	LT	484.16	18.71	LT	484.32	-	-	18.71	RT	484.57	25.45	RT	484.53	31.45	RT	484.65
627+00.00	30.18	RT	30.18	LT	32.70	LT	484.38	26.70	LT	484.26	22.16	LT	484.35	-	-	22.16	RT	484.67	25.36	RT	484.65	31.36	RT	484.77
627+50.00	32.99	RT	32.99	LT	32.73	LT	484.48	26.73	LT	484.36	24.98	LT	484.39	-	-	24.98	RT	484.77	25.27	RT	484.77	31.27	RT	484.89
628+00.00	35.19	RT	35.19	LT	32.70	LT	484.58	-	-	-	26.70	LT	484.46	-	-	26.00	RT	484.87	-	-	-	31.32	RT	484.98
628+50.00	36.75	RT	36.75	LT	32.66	LT	484.69	-	-	-	26.66	LT	484.57	-	-	25.42	RT	484.94	-	-	-	31.42	RT	485.06
629+00.00	37.69	RT	37.69	LT	32.74	LT	484.79	-	-	-	26.74	LT	484.67	-	-	25.55	RT	485.04	-	-	-	31.55	RT	485.16
629+50.05	38.00	RT	38.00	LT	32.84	LT	484.90	-	-	-	26.84	LT	484.78	-	-	25.70	RT	485.14	-	-	-	31.70	RT	485.26

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 PLOT DATE = 5/24/2022

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 DRAWN - TEC
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 DATE - 6-30-21

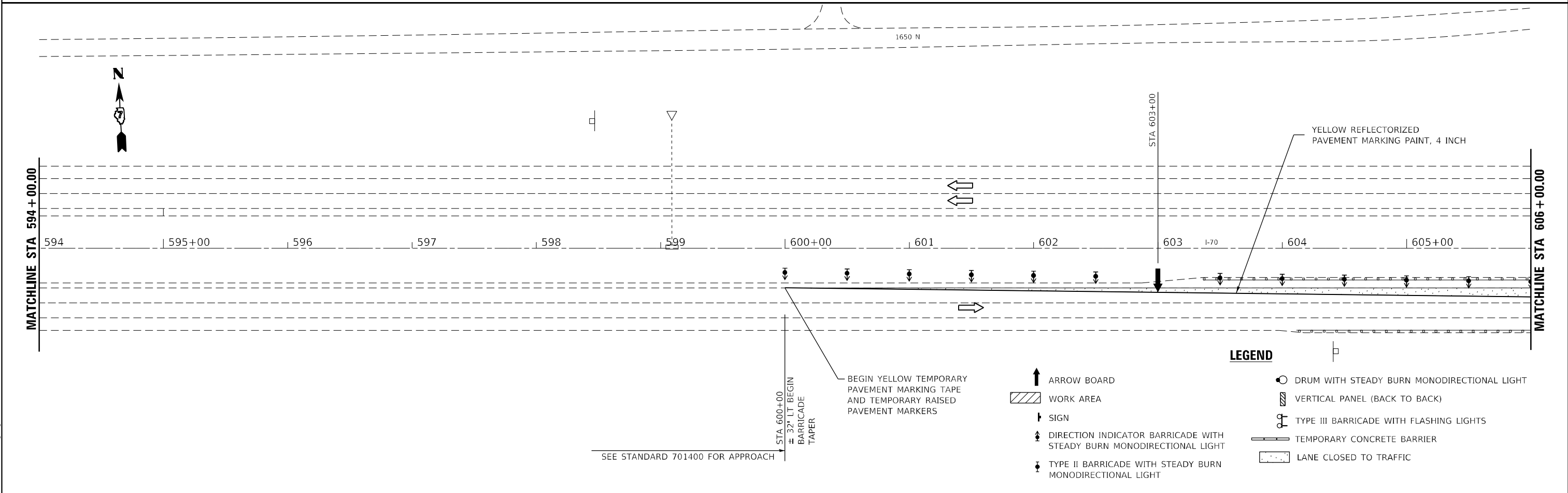
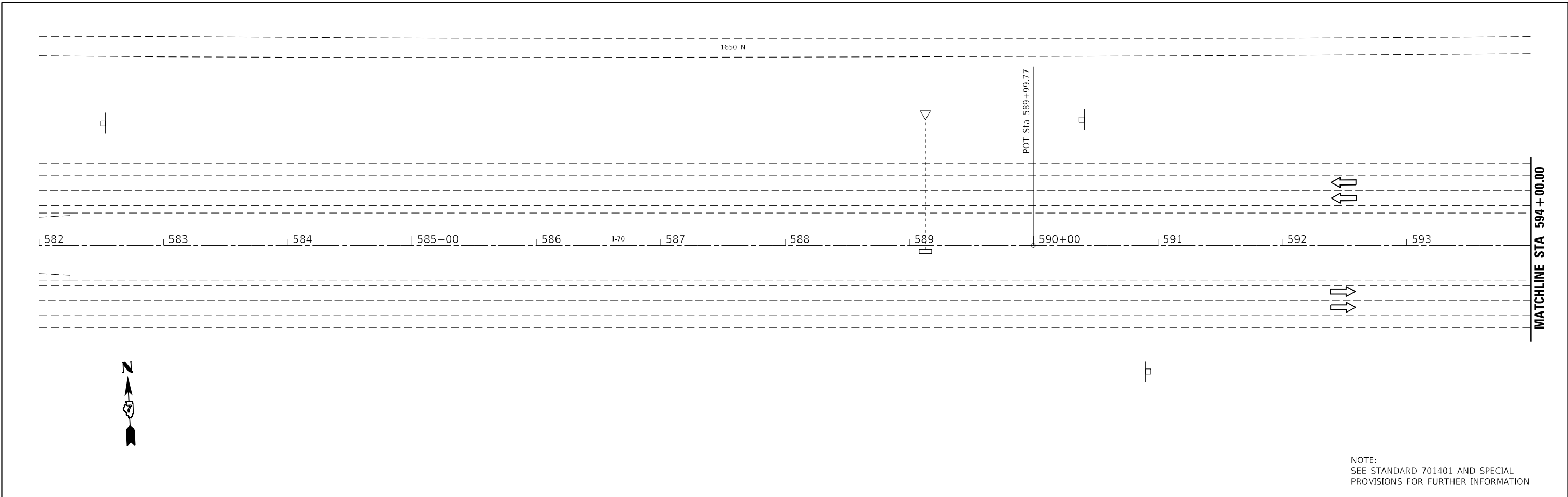
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-70
 ELEVATION AND OFFSET SHEET**

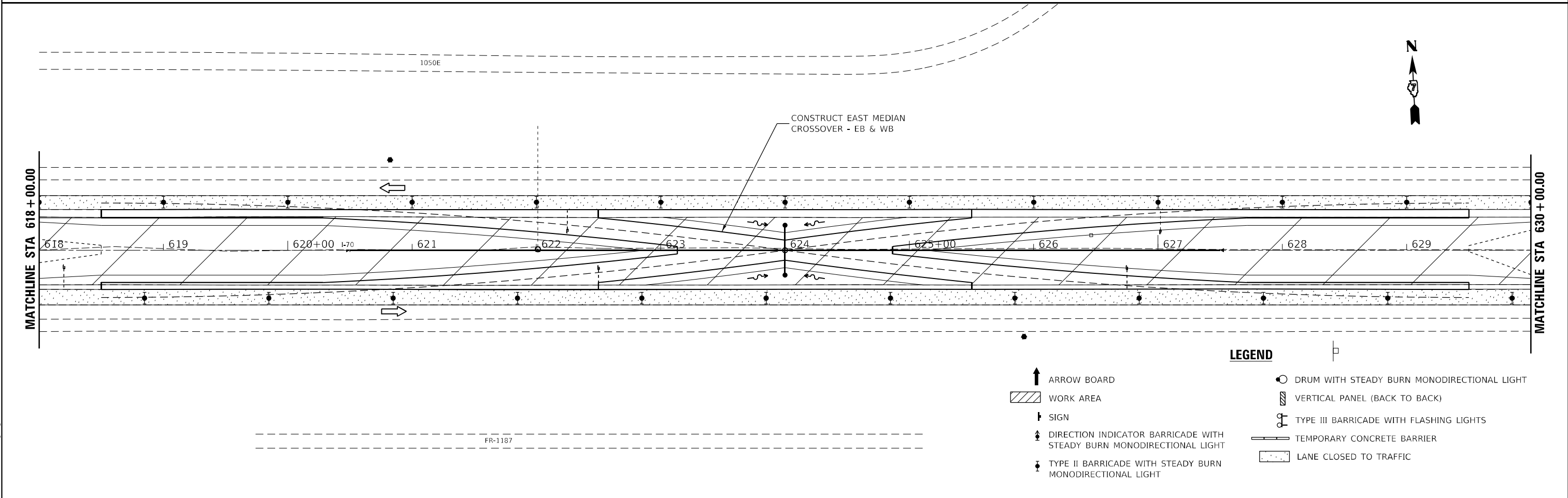
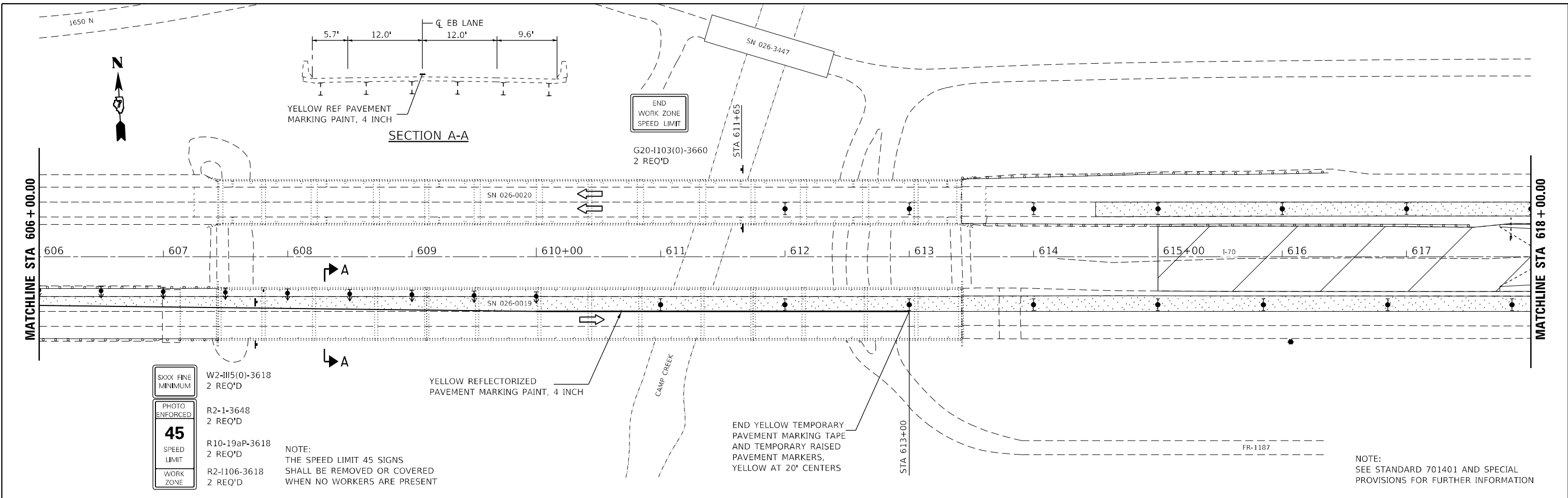
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 SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	17
CONTRACT NO. 74998			ILLINOIS FED. AID PROJECT	



CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB =	DESIGNED - TEC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-70 PRE-STAGE		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 80,0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 74998								
PLOT DATE = 5/24/2022	DATE - 6-17-2021	REVISED -	ILLINOIS FED. AID PROJECT								

MODEL Path: \\...
 FILE NAME: 004-D774948-shr-Pre-stage.dgn



- LEGEND**
- ↑ ARROW BOARD
 - ▨ WORK AREA
 - ↑ SIGN
 - ⚡ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ⚡ TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ▨ VERTICAL PANEL (BACK TO BACK)
 - ⚡ TYPE III BARRICADE WITH FLASHING LIGHTS
 - ▬ TEMPORARY CONCRETE BARRIER
 - ▨ LANE CLOSED TO TRAFFIC

MODEL Path: \\...
 FILE NAME: 004-D774948-shl-Pre-stage.dgn

 Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	JOB = FILE NAME = 004-D774948-shl-Pre-stage.dgn PLOT SCALE = 80,0000' / in. PLOT DATE = 5/24/2022	DESIGNED - TEC DRAWN - TEC CHECKED - DATE - 6-17-2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-70 PRE-STAGE	SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.	F.A.J. RTE. 70 SECTION * COUNTY FAYETTE TOTAL SHEETS 82 SHEET NO. 19 CONTRACT NO. 74998 <small>ILLINOIS FED. AID PROJECT</small>
	<small>* D7 BRIDGE REPAIRS 2022-4</small>						



NOTE:
THE SPEED LIMIT 45 SIGNS
SHALL BE REMOVED OR COVERED
WHEN NO WORKERS ARE PRESENT

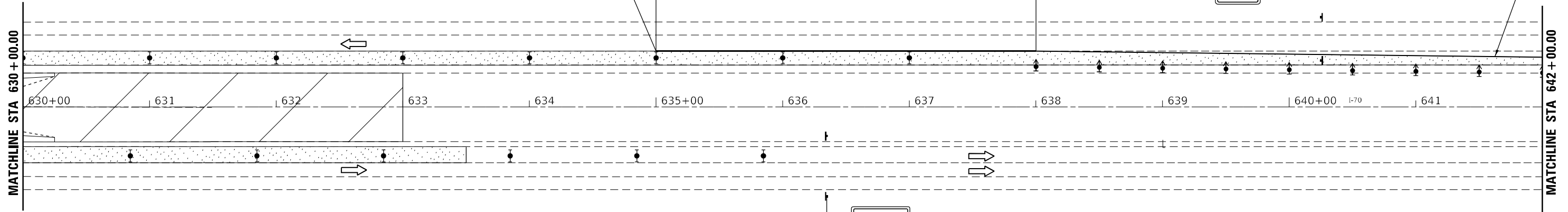
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SPEED LIMIT	R2-1-3648	2 REQ'D
PHOTO ENFORCED	R10-19aP-3618	2 REQ'D
XXX FINE MINIMUM	R2-1106-3618	2 REQ'D

YELLOW REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE, 4 INCH

BEGIN YELLOW TEMPORARY PAVEMENT MARKING TAPE AND TEMPORARY RAISED PAVEMENT MARKERS, YELLOW AT 20' CENTERS

STA 635+00

STA 638+02
± LT BEGIN BARRICADE TAPER



STA 636+35

END WORK ZONE SPEED LIMIT

G20-1103(0)-3660
2 REQ'D

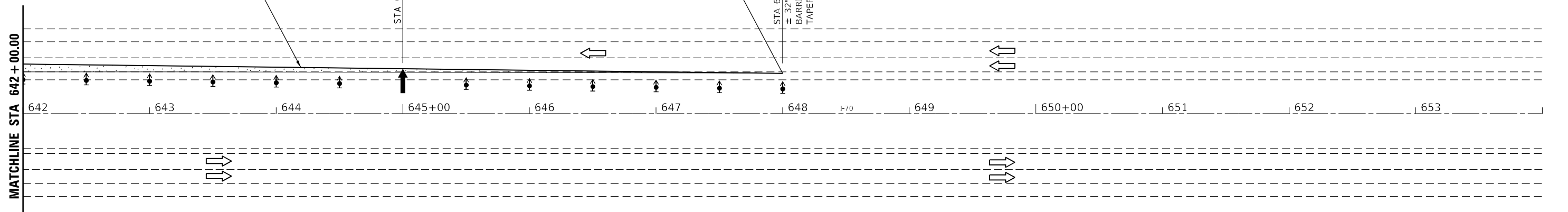


YELLOW REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE, 4 INCH

END YELLOW TEMPORARY PAVEMENT MARKING TAPE AND TEMPORARY RAISED PAVEMENT MARKERS

SEE STANDARD 701400 FOR APPROACH

STA 648+00
± 32' LT END BARRICADE TAPER



LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL (BACK TO BACK)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- LANE CLOSED TO TRAFFIC

MODEL: D:\cfs\h
FILE NAME: 004-D774948-shr-Pre-stage.dgn



JOB =
FILE NAME = 004-D774948-shr-Pre-stage.dgn
PLOT SCALE = 80,0000' / in.
PLOT DATE = 5/24/2022

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DRAWN - TEC
CHECKED -
DATE - 6-17-2021

REVISED -
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REVISED -

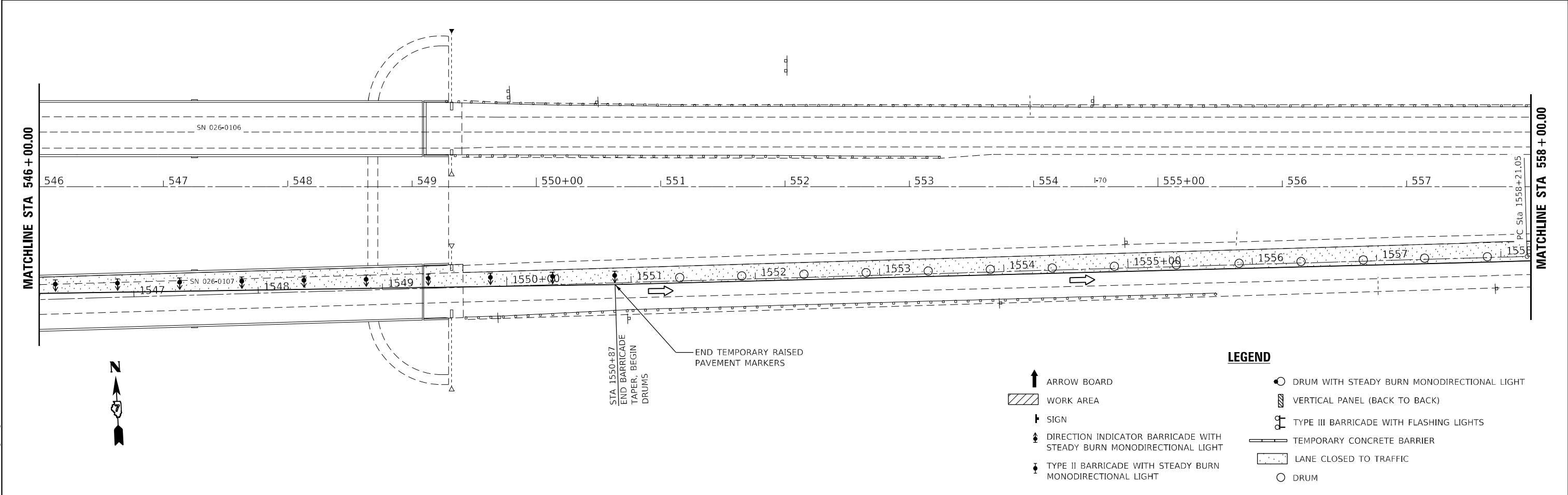
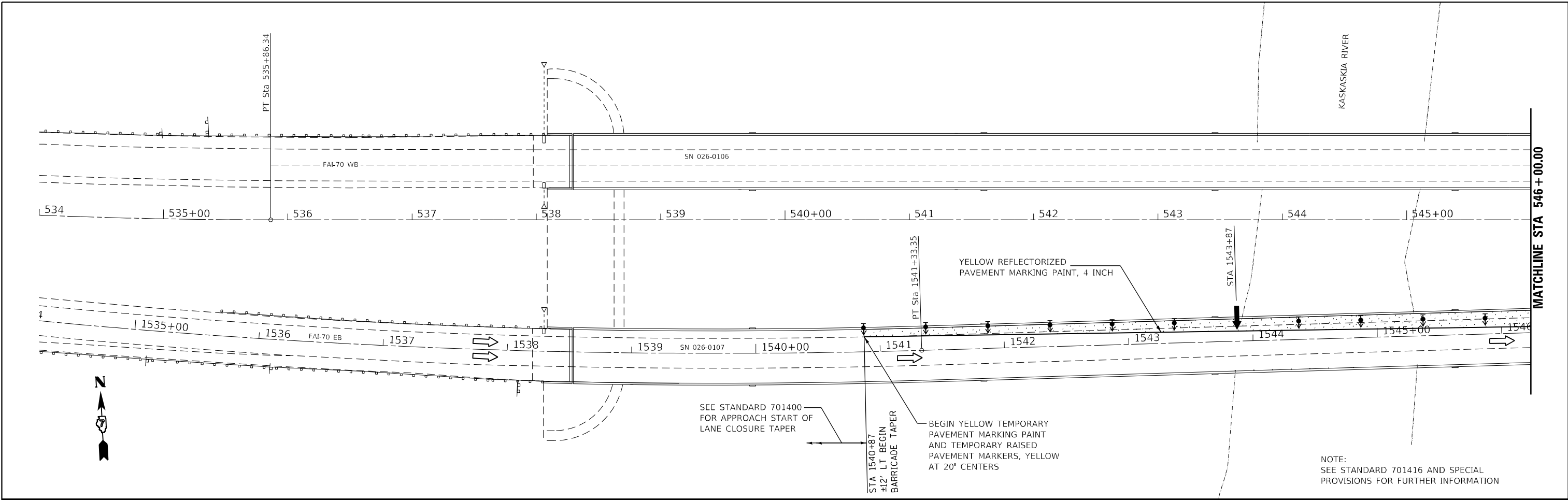
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=40'
SHEET OF SHEETS STA. TO STA.

**I-70
PRE-STAGE**

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	20
CONTRACT NO. 74998				

ILLINOIS FED. AID PROJECT
* D7 BRIDGE REPAIRS 2022-4



- LEGEND**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (BACK TO BACK)
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY CONCRETE BARRIER
 - LANE CLOSED TO TRAFFIC
 - DRUM

MODEL Path: \\...
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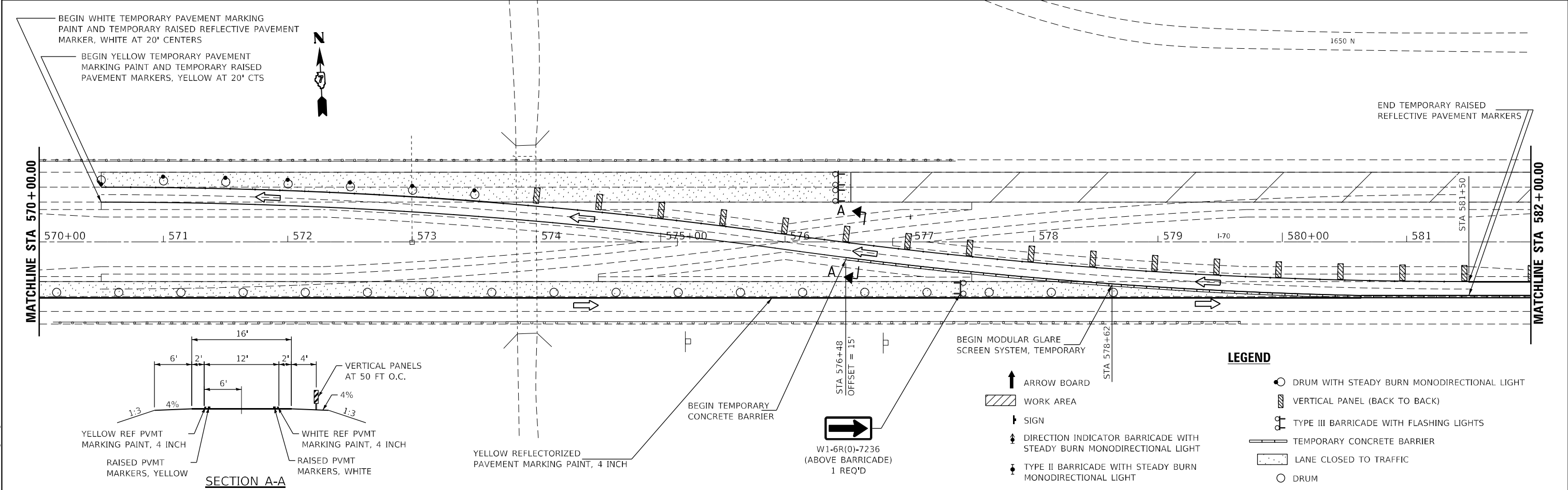
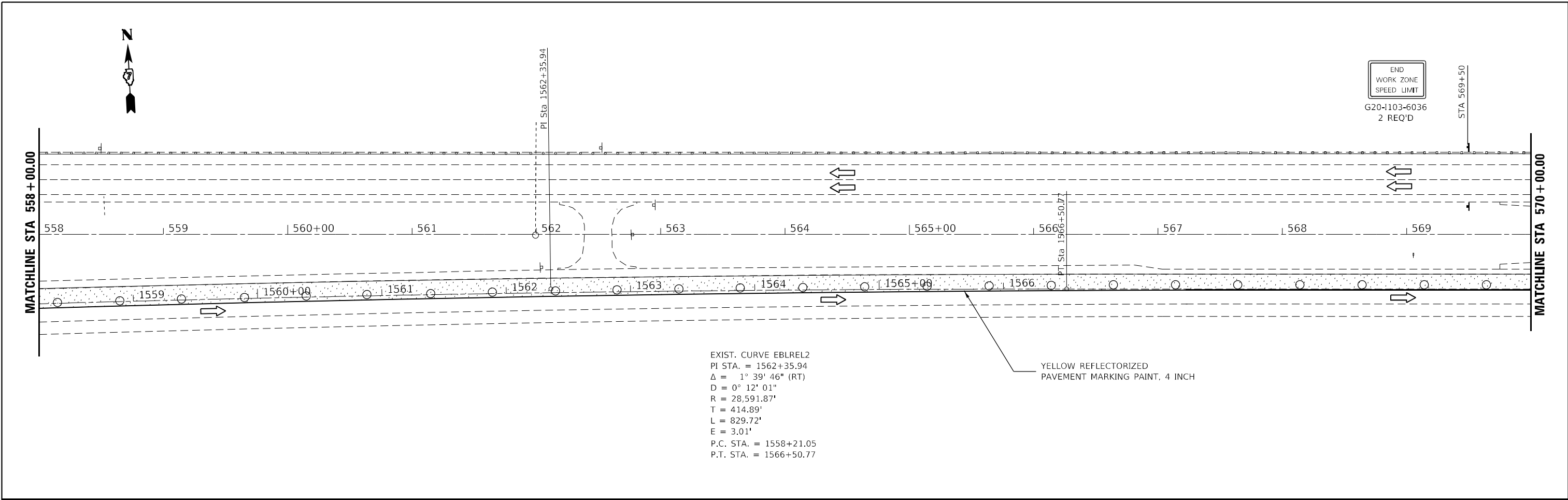
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	PLOT SCALE = 80,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/24/2022	DATE - 6-17-2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-70 STAGE 1	
SCALE: 1"=40'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	21
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



MODEL Path:\n
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 PLOT DATE = 5/24/2022

DESIGNED - TEC
 DRAWN - TEC
 CHECKED -
 DATE - 6-17-2021

REVISED -
 REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

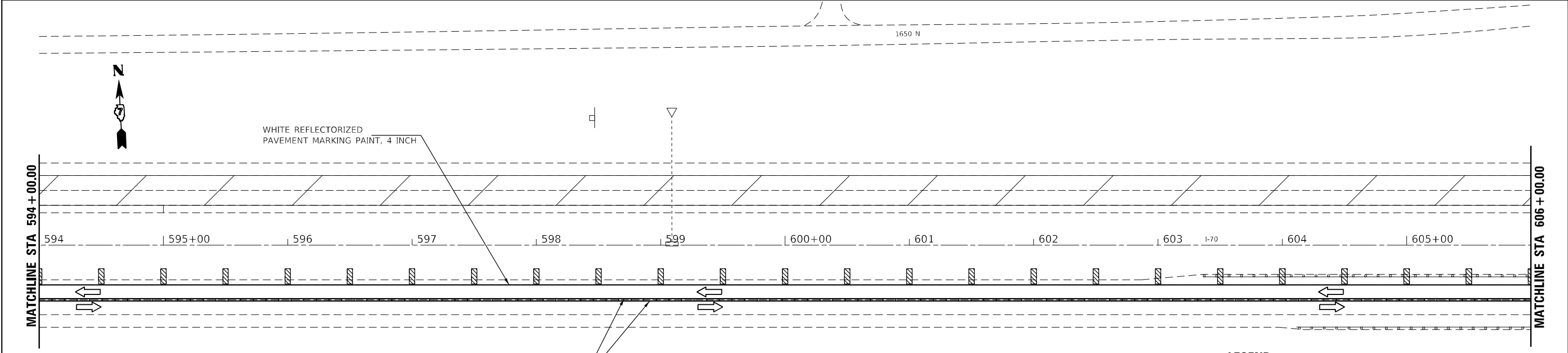
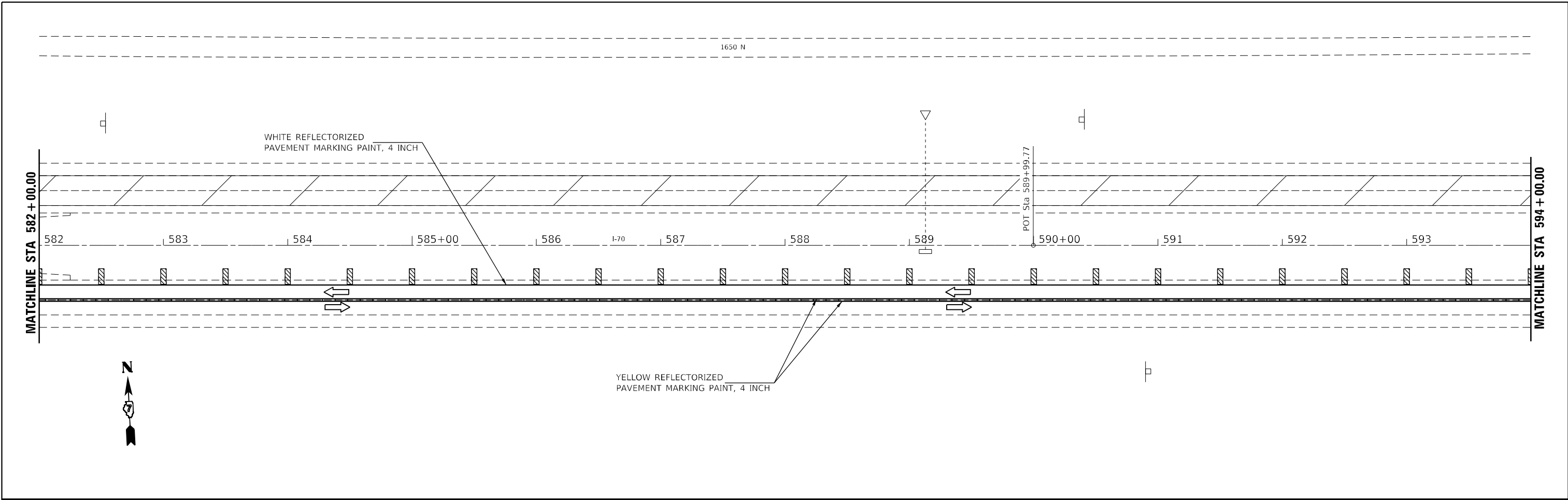
I-70
 STAGE 1

SCALE: 1"=40'

SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	22
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



- LEGEND**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (BACK TO BACK)
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY CONCRETE BARRIER
 - LANE CLOSED TO TRAFFIC
 - DRUM

MODEL Path: \\...
 FILE NAME: 005-D774948-shr-stage 1.dgn



JOB =
 FILE NAME = 005-D774948-shr-stage 1.dgn
 PLOT SCALE = 80,0000' / in.
 PLOT DATE = 5/24/2022

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DRAWN -	TEC	REVISED -	
CHECKED -		REVISED -	
DATE -	6-17-2021	REVISED -	

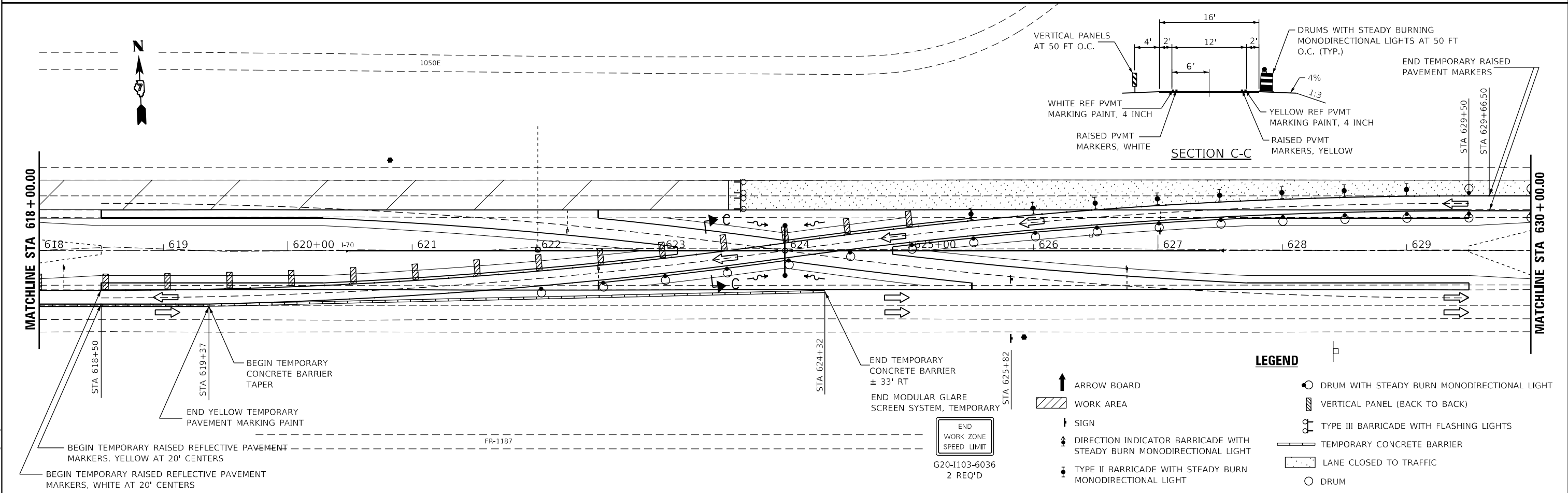
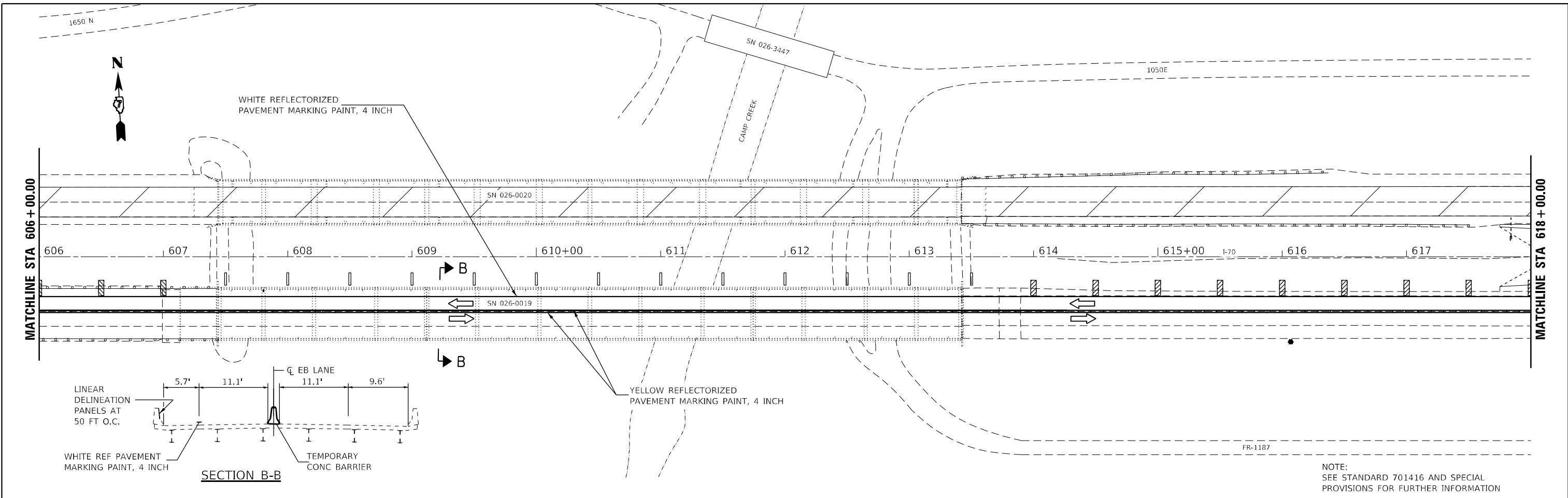
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-70
STAGE 1

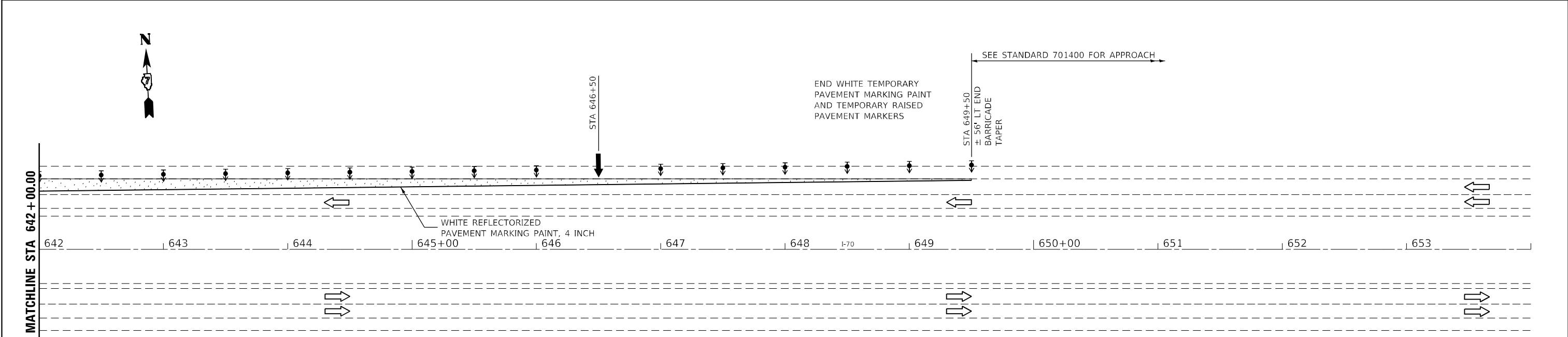
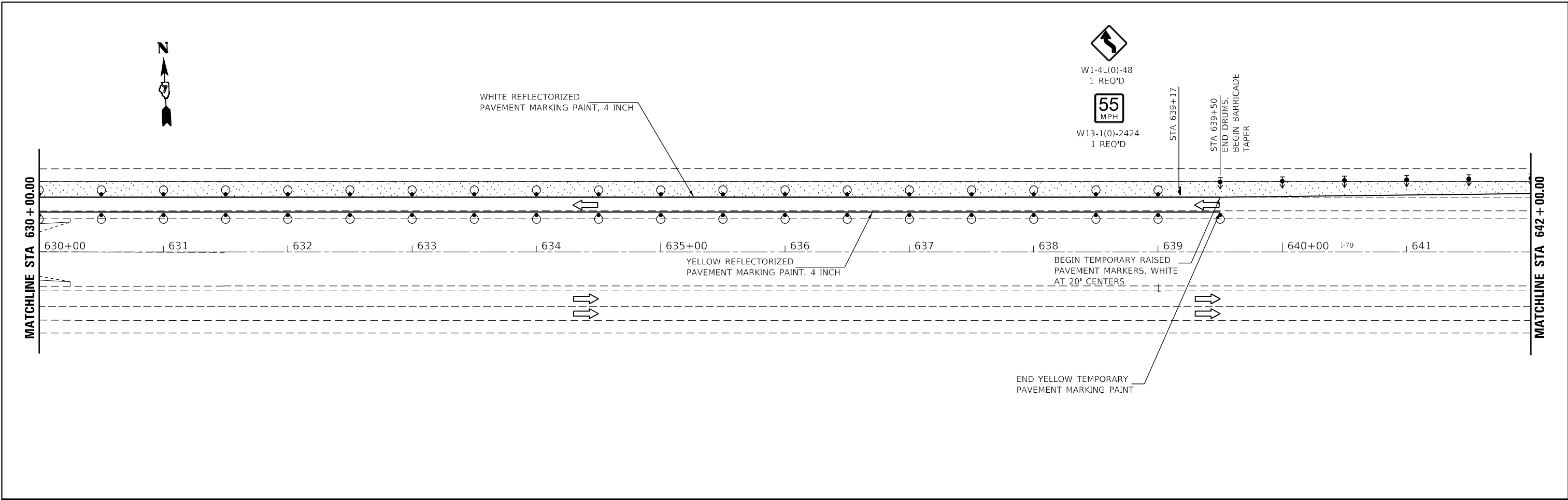
SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	23
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



 Cummins Engineering Corporation Civil and Structural Engineering	JOB = FILE NAME = 005-D774948-sh1-stage 1.dgn PLOT SCALE = 80,0000' / in. PLOT DATE = 5/24/2022	DESIGNED - TEC DRAWN - TEC CHECKED - DATE - 6-17-2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-70 STAGE 1	SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.	F.A.J. RTE. 70 SECTION * COUNTY FAYETTE TOTAL SHEETS 82 SHEET NO. 24 CONTRACT NO. 74998	ILLINOIS FED. AID PROJECT * D7 BRIDGE REPAIRS 2022-4
	SHEET 4							



- LEGEND**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (BACK TO BACK)
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY CONCRETE BARRIER
 - LANE CLOSED TO TRAFFIC
 - DRUM

MODEL Path: \\...
FILE NAME: 005-D774948-shr-stage 1.dgn



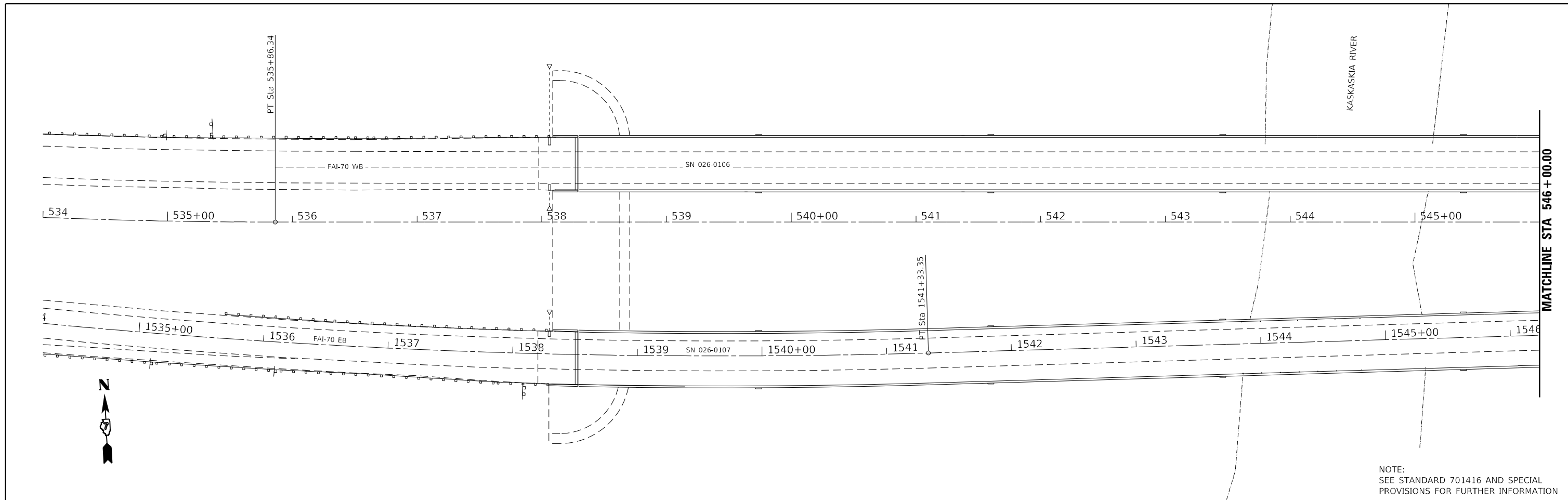
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FILE NAME = 005-D774948-shr-stage 1.dgn	DRAWN - TEC	REVISED -
PLOT SCALE = 80,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2022	DATE - 6-17-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

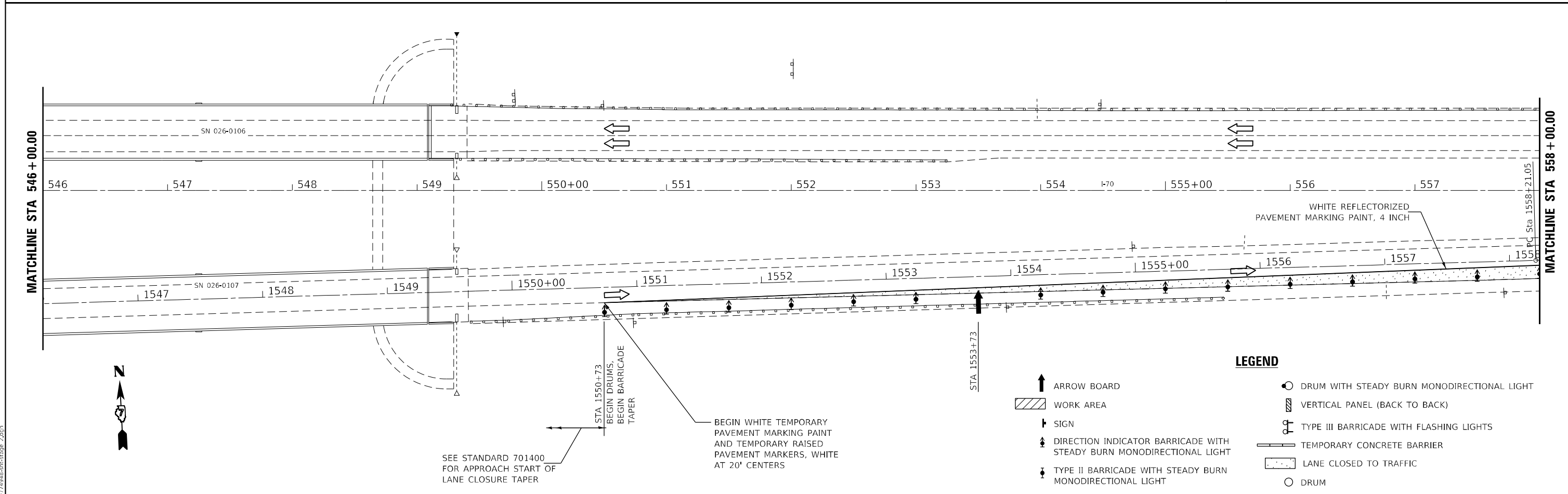
I-70 STAGE 1	
SCALE: 1"=40'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	25
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



NOTE:
SEE STANDARD 701416 AND SPECIAL
PROVISIONS FOR FURTHER INFORMATION



- LEGEND**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (BACK TO BACK)
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY CONCRETE BARRIER
 - LANE CLOSED TO TRAFFIC
 - DRUM

SEE STANDARD 701400 FOR APPROACH START OF LANE CLOSURE TAPER

BEGIN WHITE TEMPORARY PAVEMENT MARKING PAINT AND TEMPORARY RAISED PAVEMENT MARKERS, WHITE AT 20' CENTERS

MODEL Path: \\...
FILE NAME: 006-D774948-shr-stage 2.dgn



JOB =	DESIGNED - TEC
FILE NAME = 006-D774948-shr-stage 2.dgn	DRAWN - TEC
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PLOT DATE = 5/24/2022	DATE - 6-17-2021

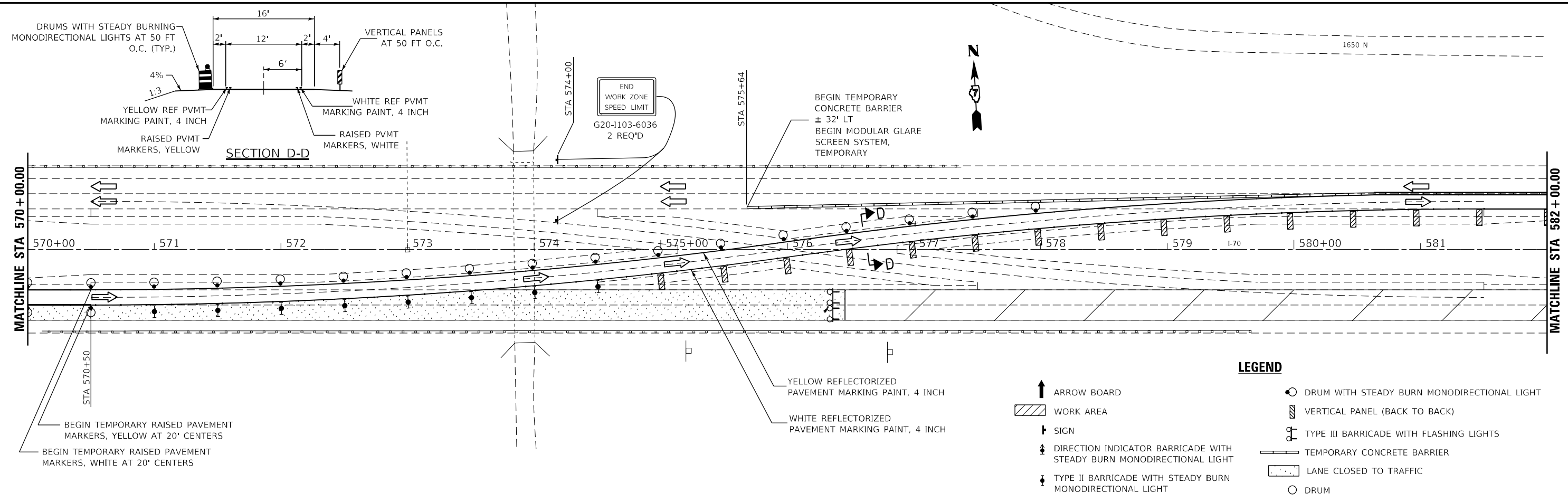
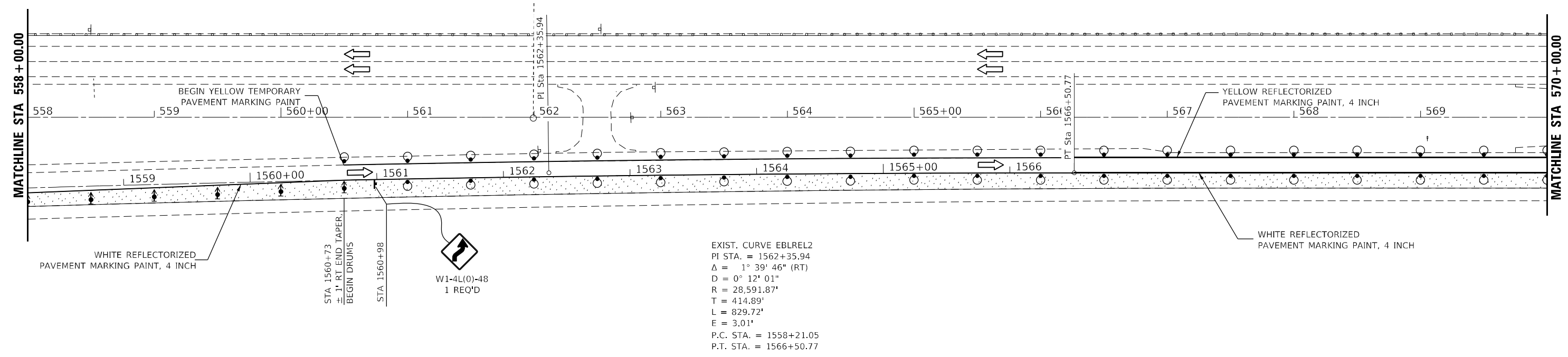
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=40'		SHEET OF SHEETS		STA. TO STA.	
I-70 STAGE 2					

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	26
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL (BACK TO BACK)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- LANE CLOSED TO TRAFFIC
- DRUM

MODEL Path: \\...
 FILE NAME: 006-D774948-shr-stage 2.dgn



JOB =
 FILE NAME = 006-D774948-shr-stage 2.dgn
 PLOT SCALE = 80,0000 ' / in.
 PLOT DATE = 5/24/2022

DESIGNED - TEC
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 CHECKED -
 DATE - 6-17-2021

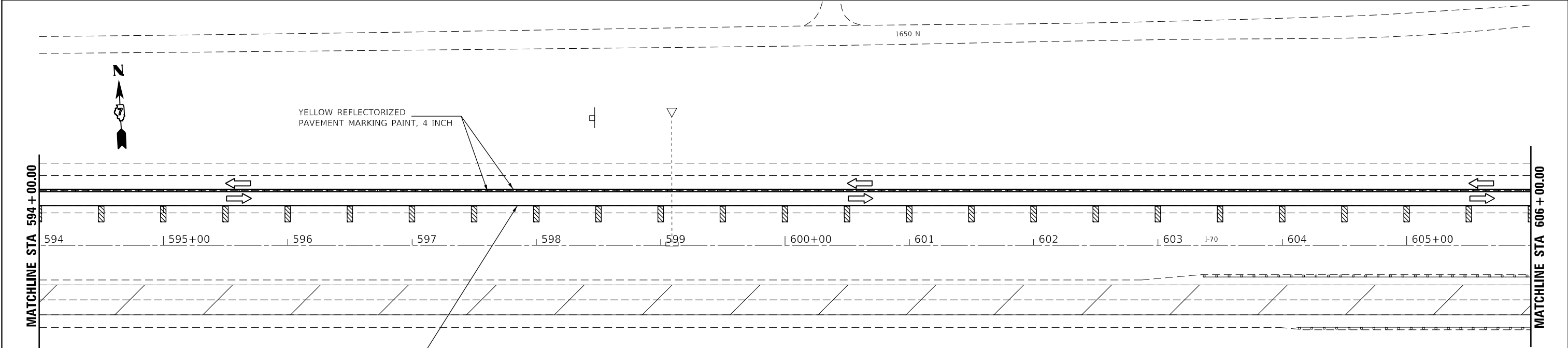
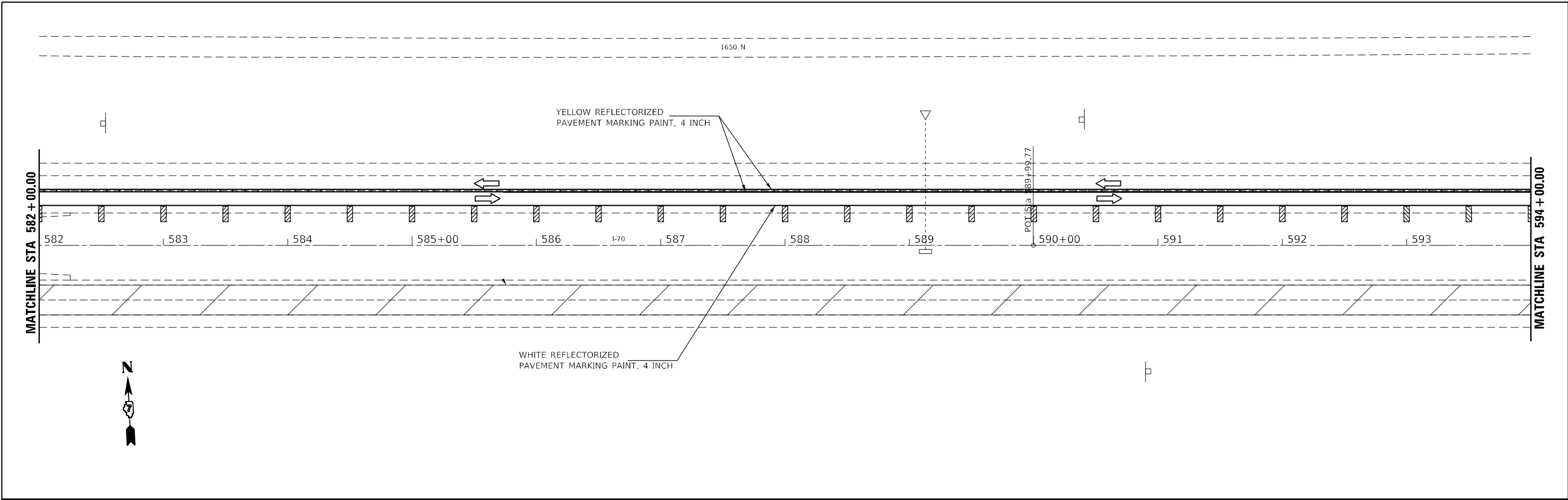
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 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-70
 STAGE 2
 SCALE: 1"=40'
 SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	27
CONTRACT NO. 74998			ILLINOIS FED. AID PROJECT	

* D7 BRIDGE REPAIRS 2022-4



- LEGEND**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (BACK TO BACK)
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY CONCRETE BARRIER
 - LANE CLOSED TO TRAFFIC
 - DRUM

MODEL Path: \\...
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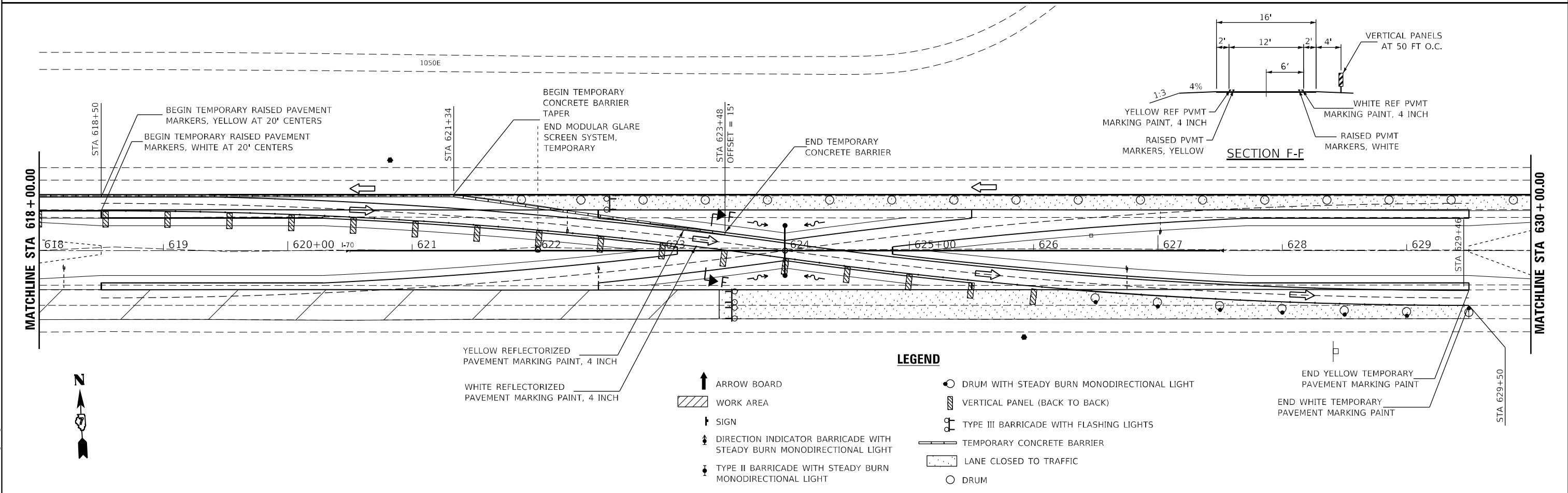
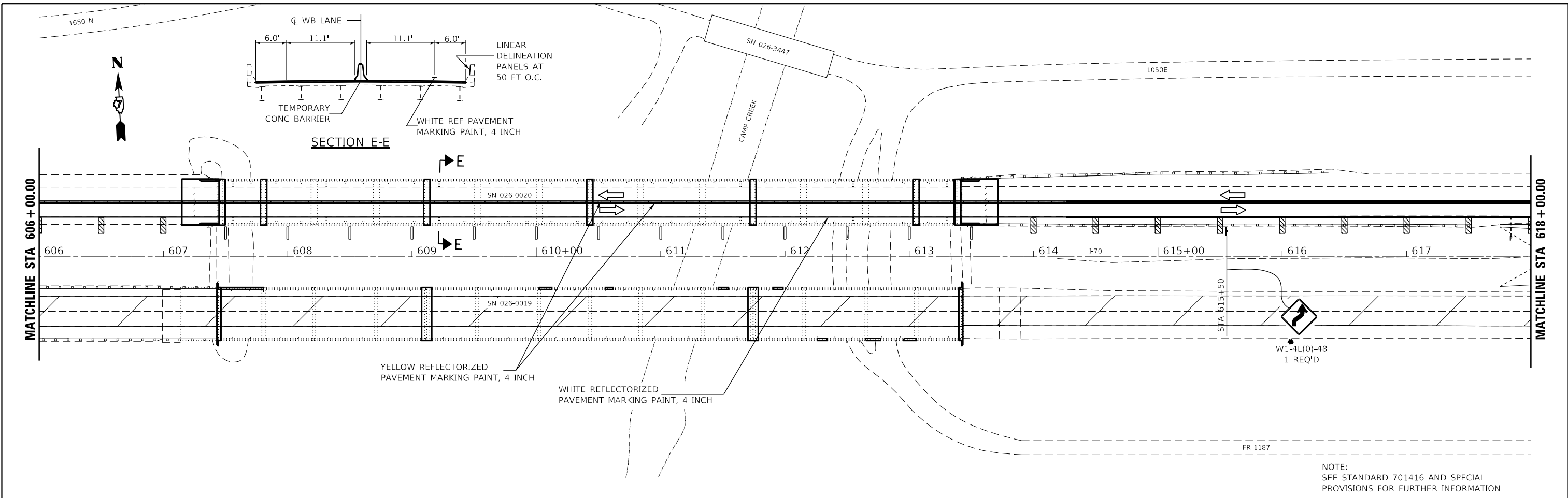
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PLOT SCALE = 80,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2022	DATE - 6-17-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=40'		SHEET OF SHEETS		STA. TO STA.		I-70 STAGE 2	
						F.A.J. RTE. 70	SECTION *

ILLINOIS FED. AID PROJECT		CONTRACT NO. 74998	
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* D7 BRIDGE REPAIRS 2022-4



MODEL Path: \\...
 FILE NAME: 006-D774948-shr-stage 2.dgn

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

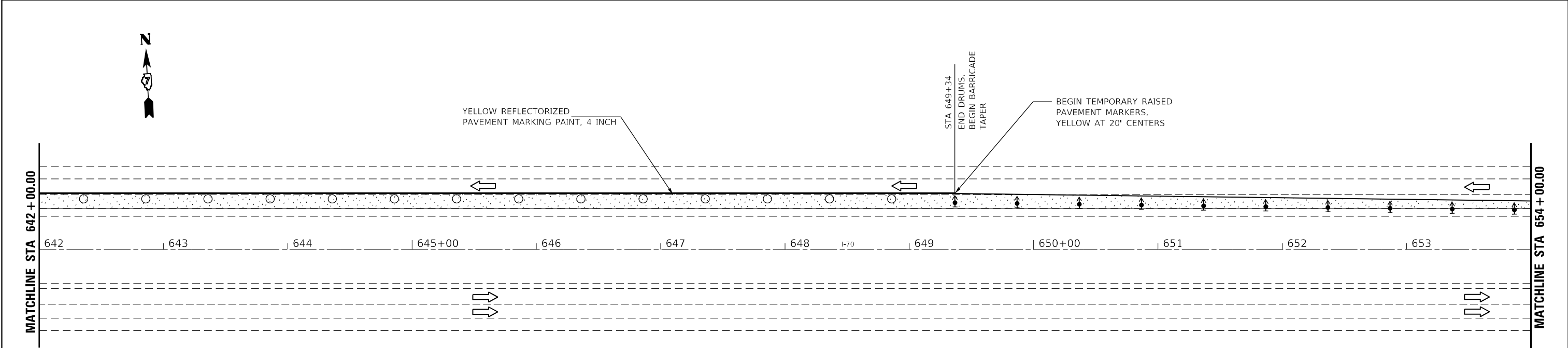
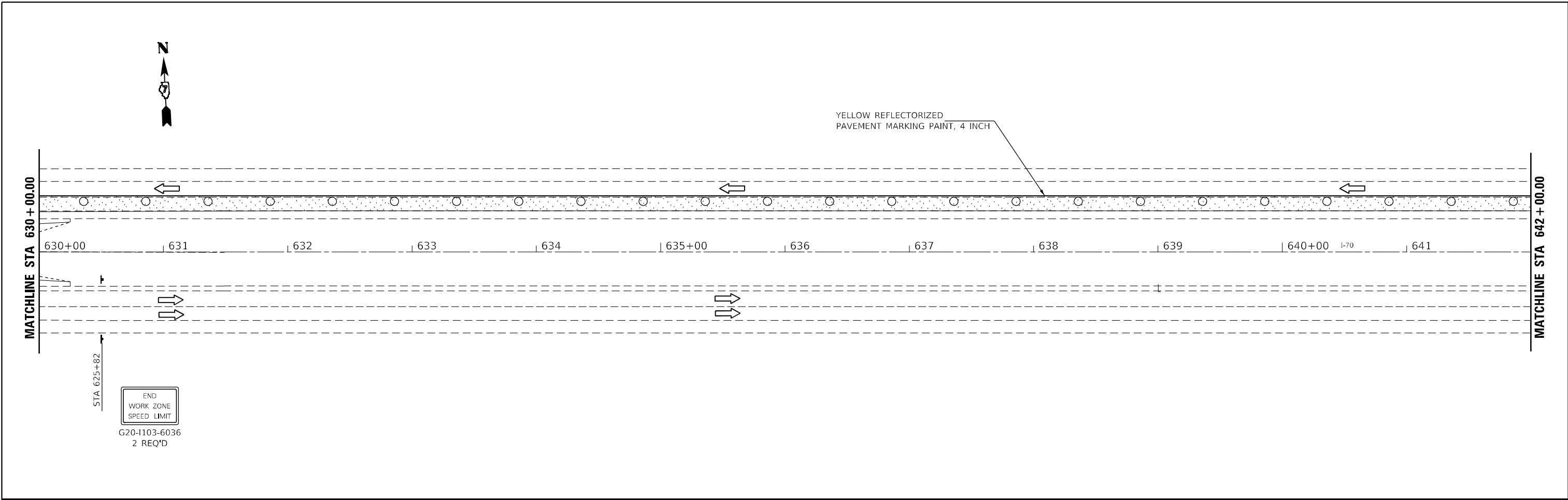
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PLOT DATE = 5/24/2022	DATE - 6-17-2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=40'		SHEET OF SHEETS		STA. TO STA.	
I-70 STAGE 2					

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	29
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



- LEGEND**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (BACK TO BACK)
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY CONCRETE BARRIER
 - LANE CLOSED TO TRAFFIC
 - DRUM

MODEL: D:\c\h
 FILE NAME: 006-D774948-sh2-stage 2.dgn



JOB =
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 PLOT SCALE = 80,0000 ' / in.
 PLOT DATE = 5/24/2022

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 CHECKED -
 DATE - 6-17-2021

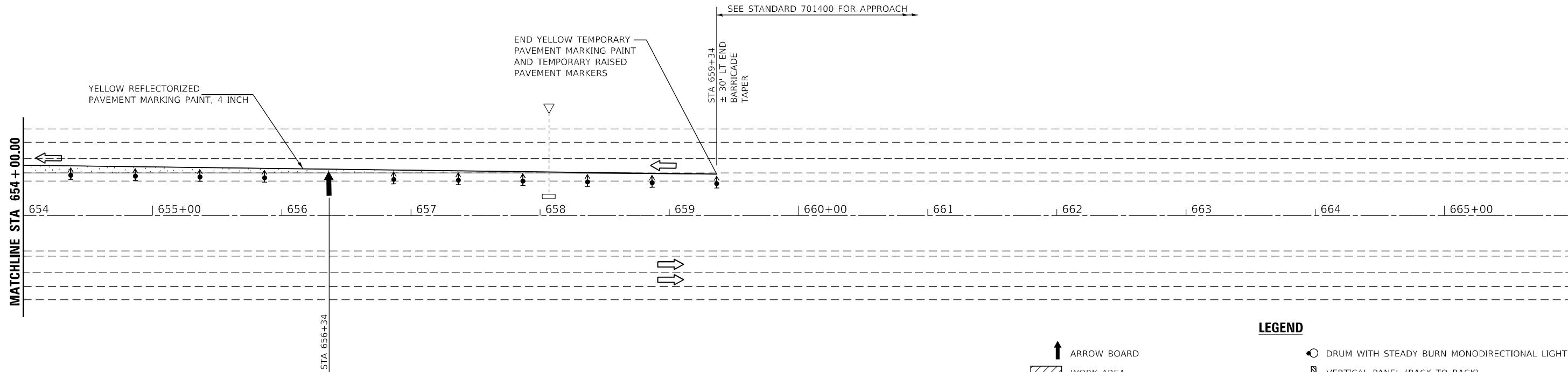
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









**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-70
STAGE 2**
 SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	30
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4



- LEGEND**
-  ARROW BOARD
 -  WORK AREA
 -  SIGN
 -  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 -  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 -  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 -  VERTICAL PANEL (BACK TO BACK)
 -  TYPE III BARRICADE WITH FLASHING LIGHTS
 -  TEMPORARY CONCRETE BARRIER
 -  LANE CLOSED TO TRAFFIC
 -  DRUM

MODEL Path: \\...
FILE NAME: 006-D774948-sh2-stage 2.dgn



JOB =	DESIGNED - TEC	REVISED -
FILE NAME = 006-D774948-sh2-stage 2.dgn	DRAWN - TEC	REVISED -
PLOT SCALE = 80,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2022	DATE - 6-17-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

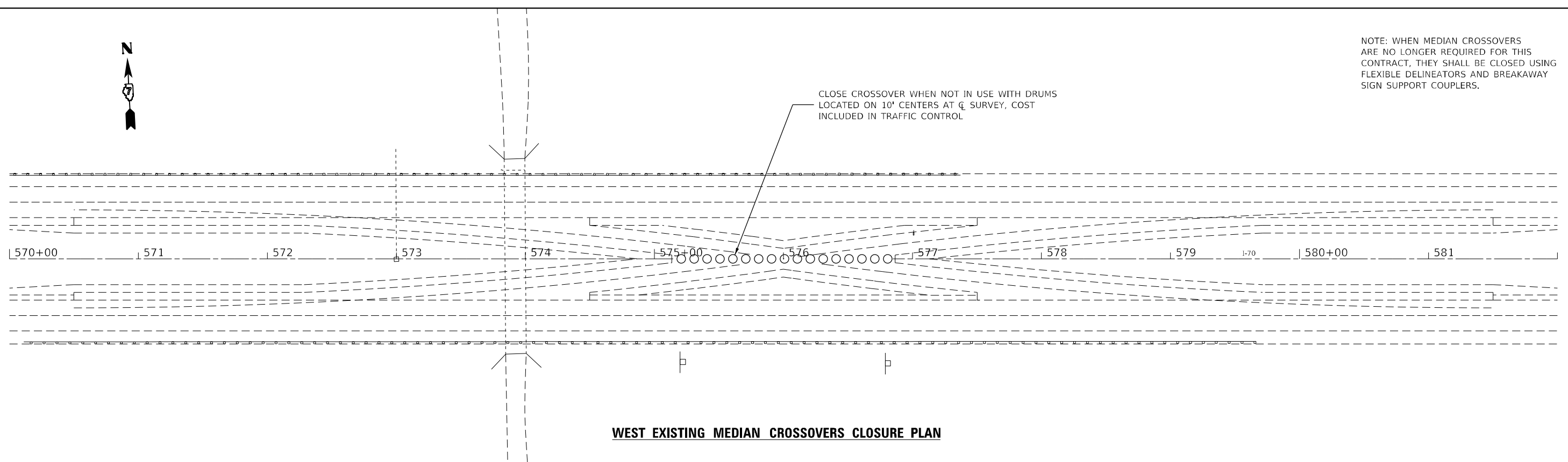
I-70 STAGE 2	
SCALE: 1"=40'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	31
CONTRACT NO. 74998			ILLINOIS FED. AID PROJECT	

* D7 BRIDGE REPAIRS 2022-4



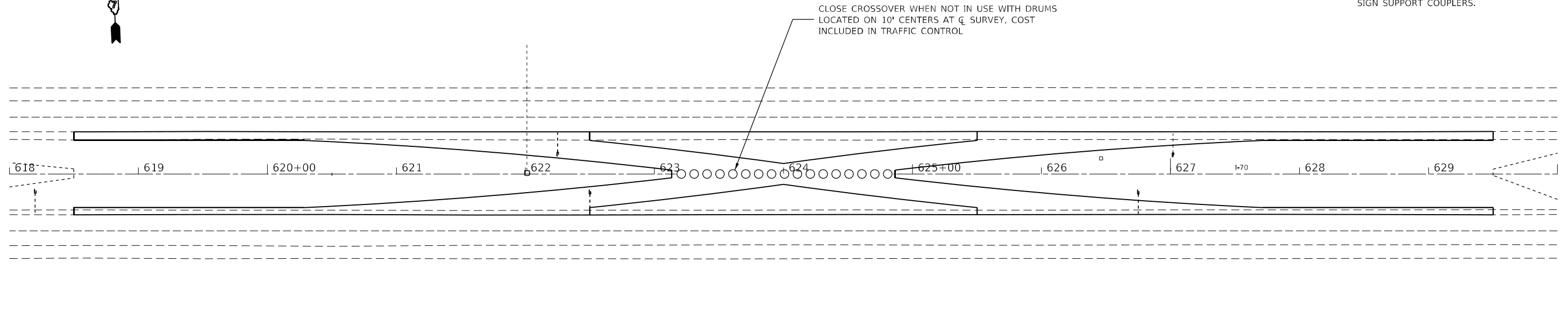
NOTE: WHEN MEDIAN CROSSOVERS ARE NO LONGER REQUIRED FOR THIS CONTRACT, THEY SHALL BE CLOSED USING FLEXIBLE DELINEATORS AND BREAKAWAY SIGN SUPPORT COUPLERS.



WEST EXISTING MEDIAN CROSSOVERS CLOSURE PLAN



NOTE: WHEN MEDIAN CROSSOVERS ARE NO LONGER REQUIRED FOR THIS CONTRACT, THEY SHALL BE CLOSED USING FLEXIBLE DELINEATORS AND BREAKAWAY SIGN SUPPORT COUPLERS.



EAST MEDIAN CROSSOVERS CLOSURE PLAN

MODEL: D:\csh\007-D774948-shr-Xover-details.dgn



JOB =
 FILE NAME = 007-D774948-shr-Xover-details.dgn
 PLOT SCALE = 80,0000' / in.
 PLOT DATE = 5/24/2022

DESIGNED - TEC
 DRAWN - TEC
 CHECKED -
 DATE - 6-17-2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

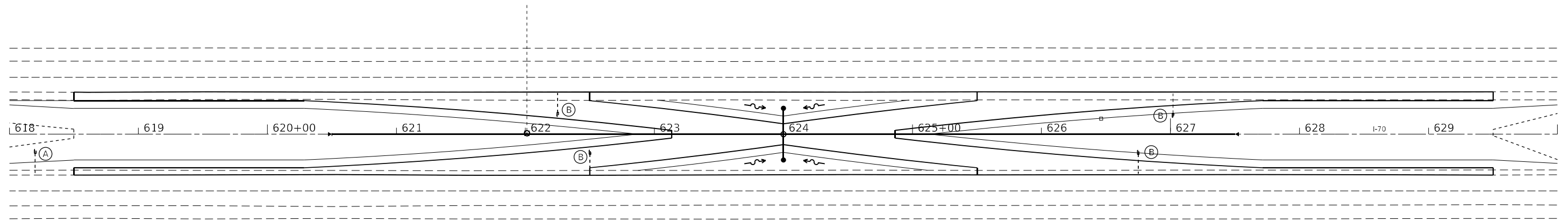
**I-70
 CROSSOVER DETAILS**

SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	32
CONTRACT NO. 74998				

ILLINOIS FED. AID PROJECT

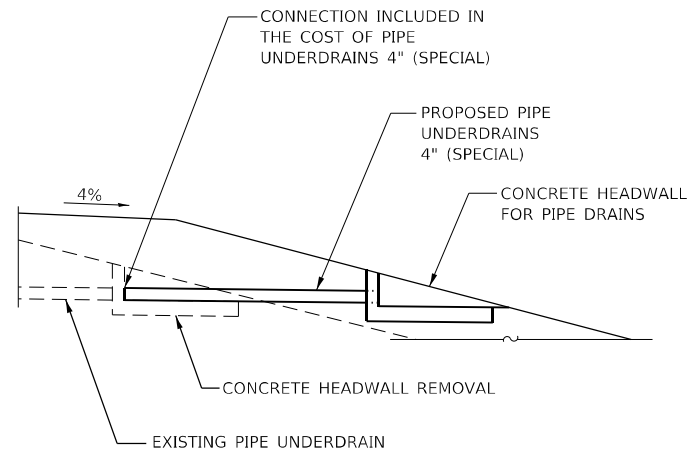
* D7 BRIDGE REPAIRS 2022-4



Ⓐ EXTEND WITH 5' PIPE UNDERDRAINS 4" (SPECIAL) AND INSTALL CONCRETE HEADWALL FOR PIPE DRAINS

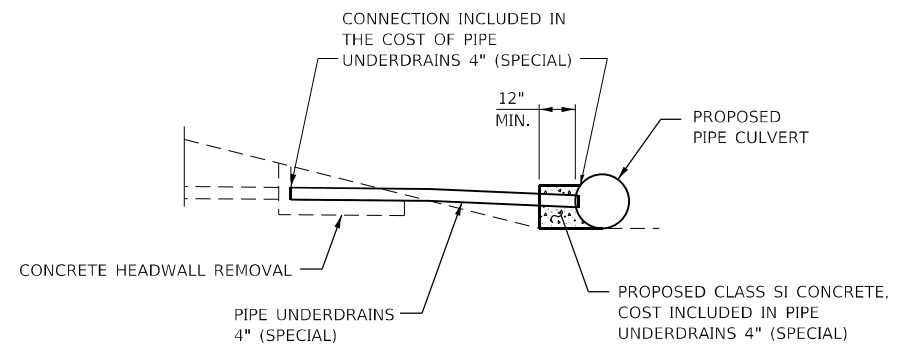
Ⓑ EXTEND WITH 20' PIPE UNDERDRAINS 4" (SPECIAL) AND TIE INTO SIDE OF PIPE CULVERT, COST OF CONNECTION INCLUDED IN PIPE UNDERDRAINS 4" (SPECIAL)

PIPE UNDERDRAIN EXTENSION PLAN VIEW



**DETAIL A
UNDERDRAIN EXTENSION AT CROSSOVERS**

RT STA 618+20



**DETAIL B
UNDERDRAIN CONNECTION TO MEDIAN CULVERT**

LT STA 622+25
RT STA 622+50
RT STA 626+75
LT STA 627+02

PIPE UNDERDRAIN EXTENSION DETAILS

PIPE UNDERDRAIN EXTENSION PLAN VIEW

MODEL: D:\p4\h...
FILE NAME: 007-D774948-shr-Xover-details.dgn



JOB =	DESIGNED - TEC	REVISED -
FILE NAME = 007-D774948-shr-Xover-details.dgn	DRAWN - TEC	REVISED -
PLOT SCALE = 80,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2022	DATE - 6-17-2021	REVISED -








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=40'		SHEET OF SHEETS		STA.	TO STA.
		I-70 CROSSOVER DETAILS			



F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	

* D7 BRIDGE REPAIRS 2022-4

LEGEND

	EXISTING POWER POLE
	PROPOSED TEMPORARY LIGHTING CONTROLLER
	PROPOSED TEMPORARY LIGHTING UNIT, 50 FT WOOD POLE, CLASS 3, WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
	GUY WIRE ANCHOR
	PROPOSED AERIAL CABLE, SIZED AS NOTED
	PROPOSED DIRECT BURIED CABLE, SIZED AS NOTED
	PROPOSED COILABLE NONMETALLIC CONDUIT 2" DIA. LENGTH AS NOTED

CONDUCTOR SCHEDULE

	AERIAL CABLE 2-1C NO. 2 WITH MESSENGER WIRE
	UNDERGROUND ELECTRIC CABLE, ALUMINUM, 600V, 2-1C NO. 2, 1/C NO. 2 GROUND (XLP-TYPE USE) DIRECT BURIED

Luminaire Performance Table

Project

Date	Contract Number	Section Number	County
8/30/19	74998	N/A	FAYETTE
Marked Route Number		Municipality	
FAI 70 (I-70)		UNINCORPORATED	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S Surface Classification	0-Zero Value
12	2	N/A	R3	0,07

Structure

Mounting Height	Arm Length	Set Back	Number of Luminaires (Highmast & Sign Lighting Only)
45 FT	1 FT	15 FT	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
ROADWAY, OUTPUT DESIGNATION H	TYPE III	MEDIUM	
Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0,7	U = 0	N/A	0-10V

Layout

Spacing (to Nearest 5 Ft) Configuration (Opposite, Staggered, 1 Sided, or Median)
220 FT SINGLE SIDED

Performance

Average Illuminance, E _{AVE} (fc)	Uniformity Ratio, E _{AVE} /E _{MIN}		
N/A	N/A		
Average Luminance, L _{AVE} (cd/m ²)	Uniformity Ratio, L _{AVE} /L _{MIN}	Uniformity Ratio, L _{MAX} /L _{MIN}	Velling Luminance Ratio, L _y /L _{MIN}
0,40	3,50:1	6,00:1	0,40:1

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E	Max. Vertical Illuminance at ROW, E
N/A	N/A	N/A

Notes

- Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0,9, "Dirt Depreciation" (LDD) = 0,8, and "Equipment Factors" (EF) = 0,95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.

PHOTOMETRIC CALCULATIONS SHALL BE PERFORMED IN ONE DIRECTION ONLY.

COMPLIANCE WITH PERFORMANCE CRITERIA SHALL BE HELD TO ONE SIGNIFICANT DIGIT.

INITIAL LUMENS OF THE PROPOSED LUMINAIRE MAY VARY FROM THE VALUES SPECIFIED IN THE TABLE GIVEN IN ARTICLE 1067.06 OF THE BDE SPECIAL PROVISION FOR LUMINAIRE, LED

E1

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FILE: \\blm1c1\pub\lucifer\aw\bea\paw.com\PIV\DOT\Documents\DOT Office\Dir\dr_7\Project\74998\CADD\Drawings\CAD\Sheets\DOT\74998-01-Temp_Lighting.dgn

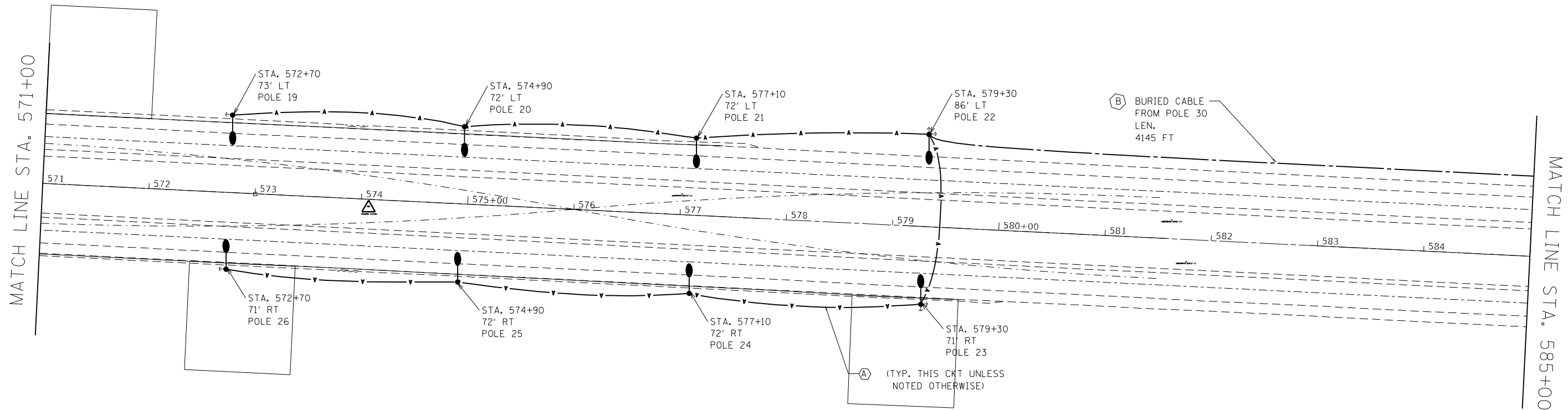
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PLOT DATE = 5/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAMP CREEK 2 MILES E OF VANDALIA TEMPORARY CROSSOVER
LEGEND, SCHEDULE, & PERF. TABLE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	



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E2

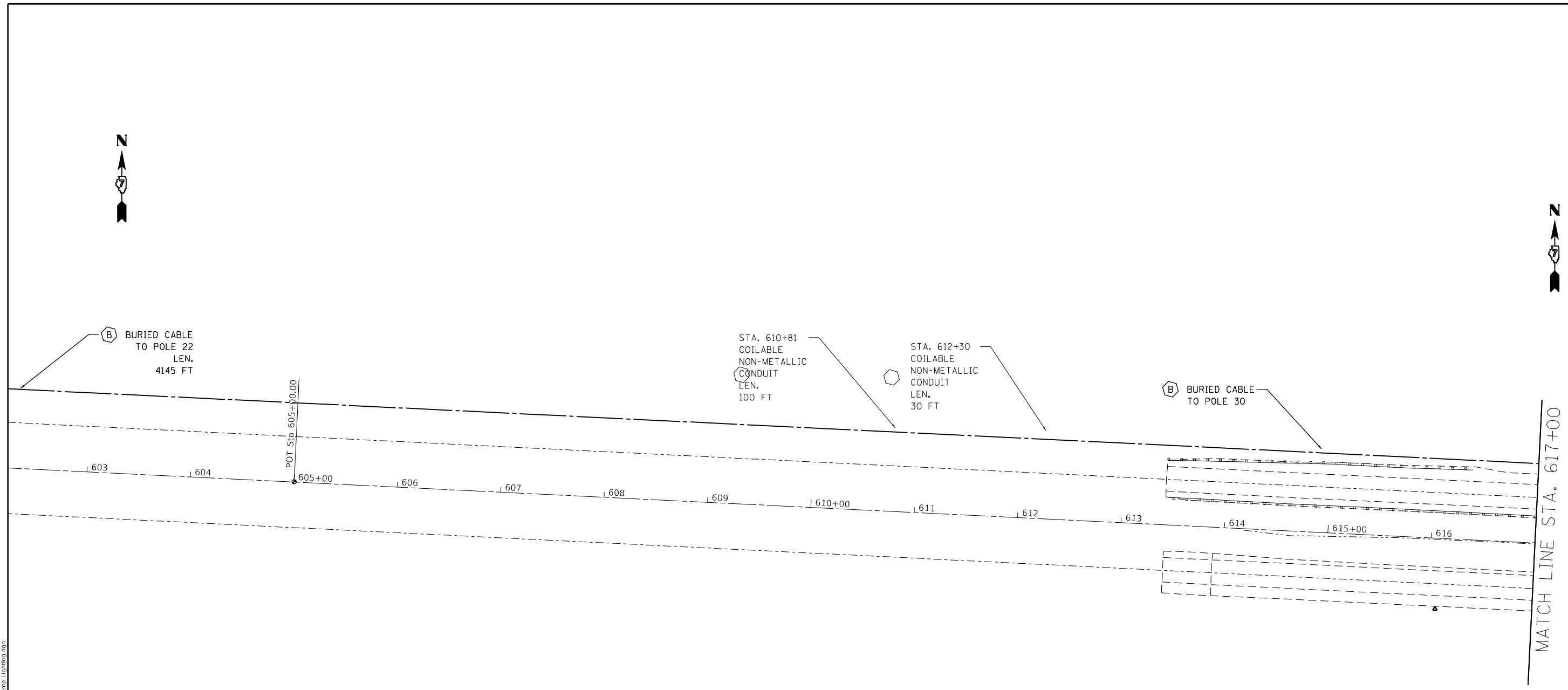
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PLOT DATE = 5/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN
WEST MEDIAN CROSSOVER

SCALE: SHEET OF SHEETS STA. TO STA.

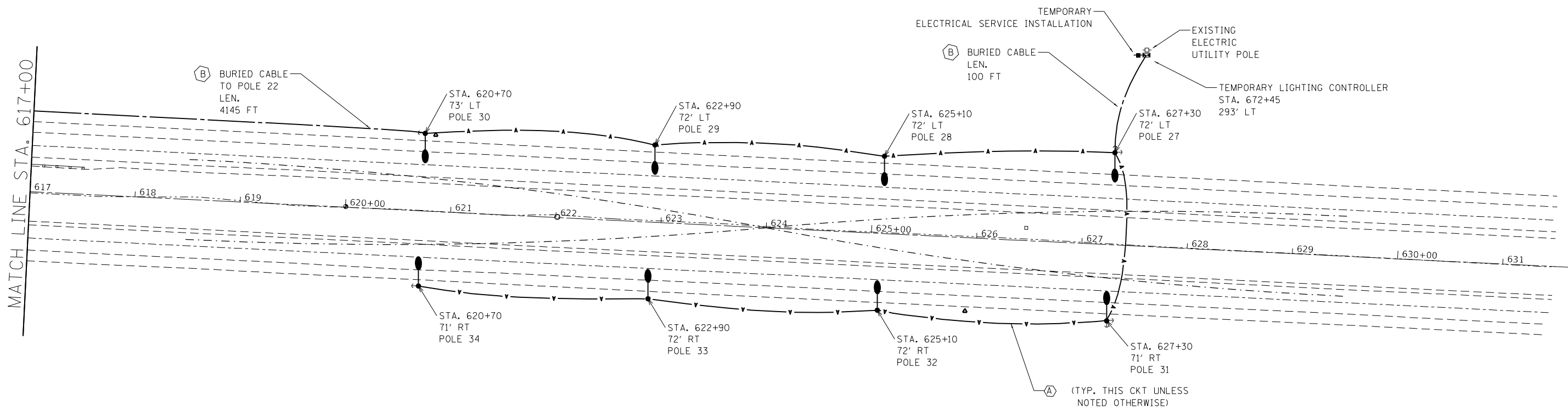
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	



MODEL: Default
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E3

USER NAME = Default PLOT SCALE = 100,0000' / in. PLOT DATE = 5/27/2022	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHTING PLAN BRIDGE CROSSING				F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	36				
CHECKED - DATE -	REVISED - REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.					ILLINOIS FED. AID PROJECT		CONTRACT NO. 74998			



E4

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	DRAWN -	REVISED -
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PLOT DATE = 5/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

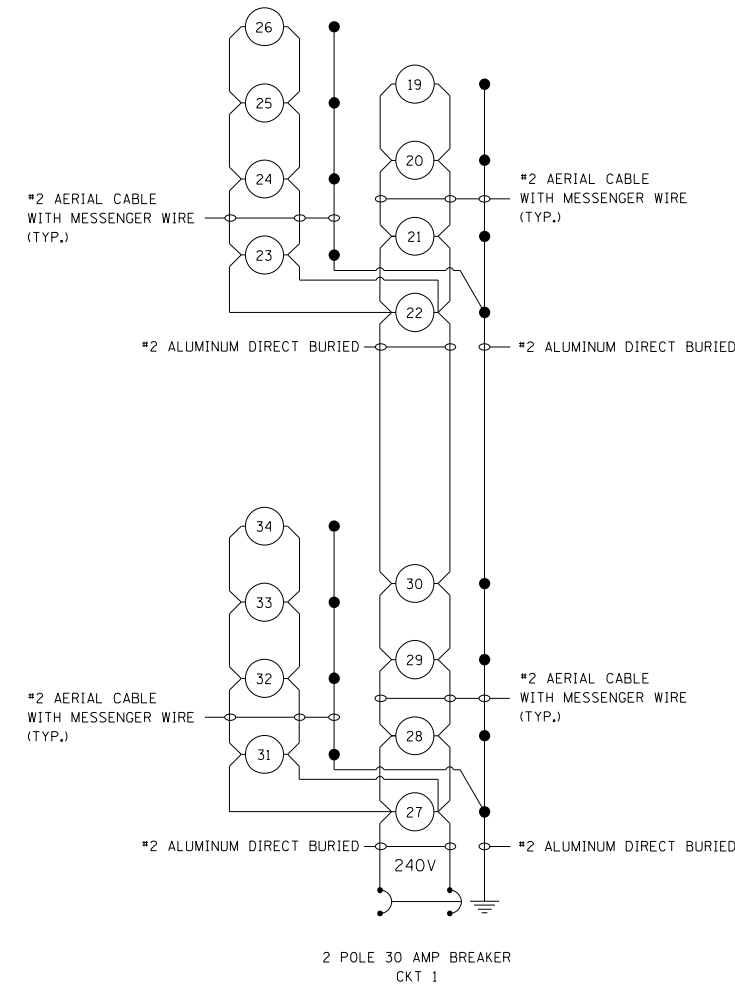
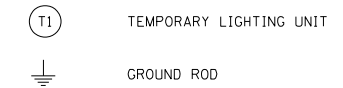
TEMPORARY LIGHTING PLAN
EAST MEDIAN CROSSOVER

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	37
			CONTRACT NO. 74998	
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.



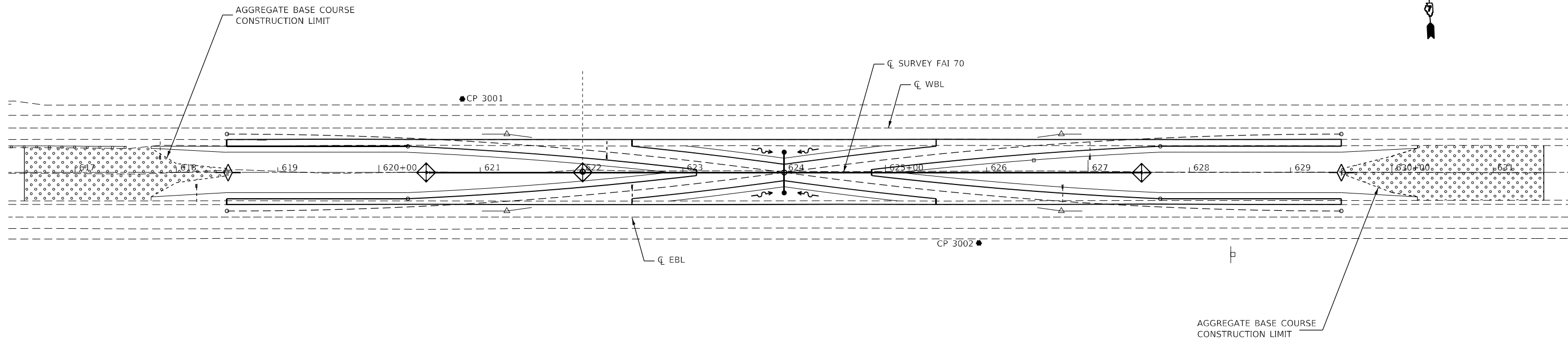
WEST /EAST MEDIAN CROSSOVER

TEMPORARY LIGHTING CONTROLLER

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E5

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			70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	38		
					ILLINOIS		FED. AID PROJECT		



LEGEND

- ◆
TEMPORARY DITCH CHECKS
- ◆
INLET AND PIPE PROTECTION
- ▨
SEEDING, CLASS 2A AND
TEMPORARY EROSION CONTROL SEEDING

MODEL: D:\p\h\...
FILE NAME: 000_D774948-shr-Eros.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB =	DESIGNED - TEC
FILE NAME = 009-D774948-shr-Eros.dgn	DRAWN - TEC
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PLOT DATE = 5/24/2022	DATE - 8-2-21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL
PLAN SHEET**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	39
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4

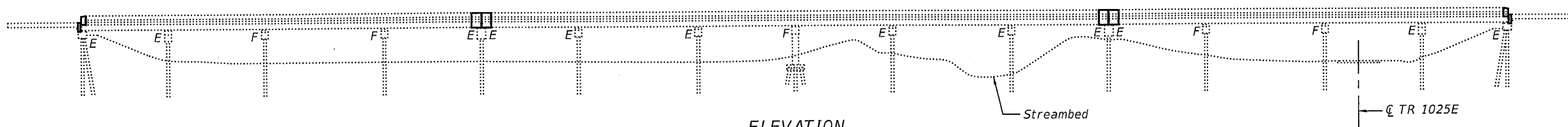
Existing Structure: S.N. 026-0019 was originally built in 1948, was widened in 1972 and had the superstructure replaced in 1998. The structure is a 14-span bridge with a reinforced concrete deck on wide flange beams supported by pile bent piers and abutments. The existing structure is 600'-0" back to back of abutments. The width is 39'-4½" face to face of parapets and 42'-7¾" out to out of deck. New overlay, expansion joints and other repairs to completed utilizing crossovers.

SCOPE OF WORK

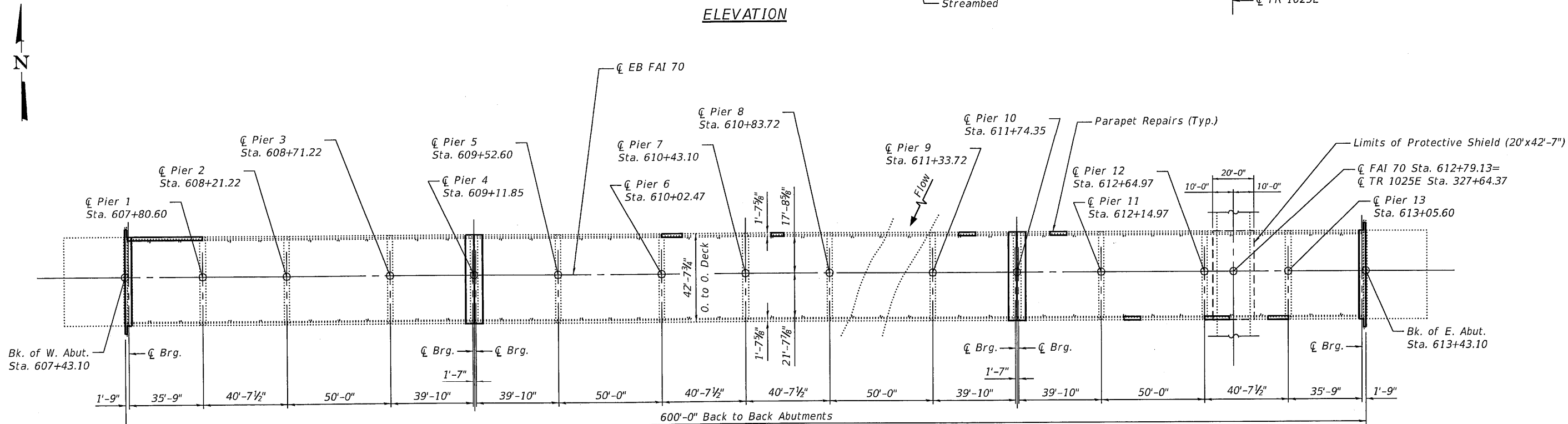
1. Perform structural repair of concrete at pier bents.
2. Perform bridge deck scarification on bridge deck.
3. Perform full-depth patching.
4. Repair parapet.
5. Remove and replace expansion joints at abutments and piers 4 & 10.
6. Place concrete overlay.
7. Diamond grind bridge deck and approaches.

INDEX OF SHEETS

1. General Plan & Elevation
2. Stage Construction Detail
3. Temporary Concrete Barrier
4. Bridge Deck Patching
- 5.-6. Joint Replacements
7. Joint Replacement Details
- 8.-10. Parapet Repair Details
11. Preformed Joint Strip Seal
- 12.-14. Pier Repairs
15. Bar Splicer Assembly and Mechanical Splicer Details



ELEVATION



PLAN

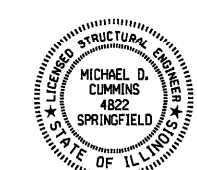
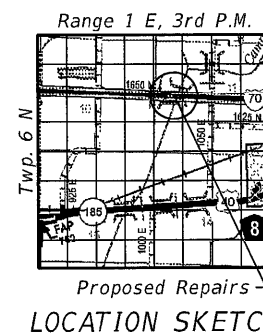
DESIGN STRESSES

FIELD UNITS (New Construction)

$f'_c = 4,000$ psi (Superstructure)
 $f'_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinforcement)

FIELD UNITS (Existing Construction)

$f'_c = 24$ MPa
 $f_y = 400$ MPa (Reinforcement)
 $f_y = 345$ Mpa M270 Grade 345 (Structural Steel)
 $f_y = 250$ Mpa M270 Grade 250 (Structural Steel)



Michael D. Cummins
 (Expires 11/30/22)

GENERAL PLAN AND ELEVATION
F.A.I. ROUTE 70 (EB)
OVER CAMP CREEK
SECTION D7 BRIDGE REPAIRS 2022-04
FAYETTE COUNTY
STA 610+43.10
STRUCTURE NO. 026-0019

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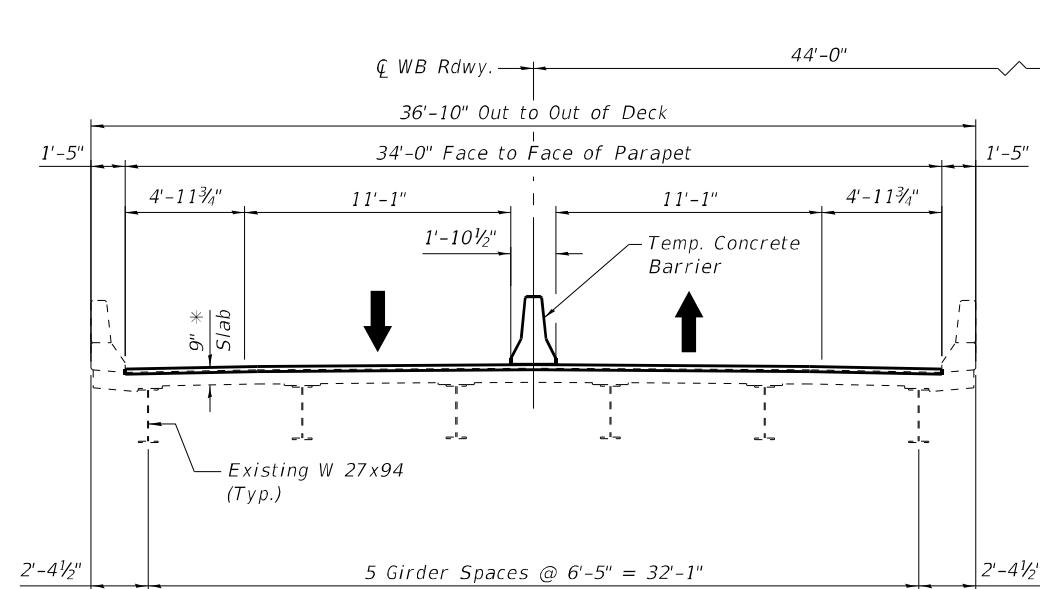


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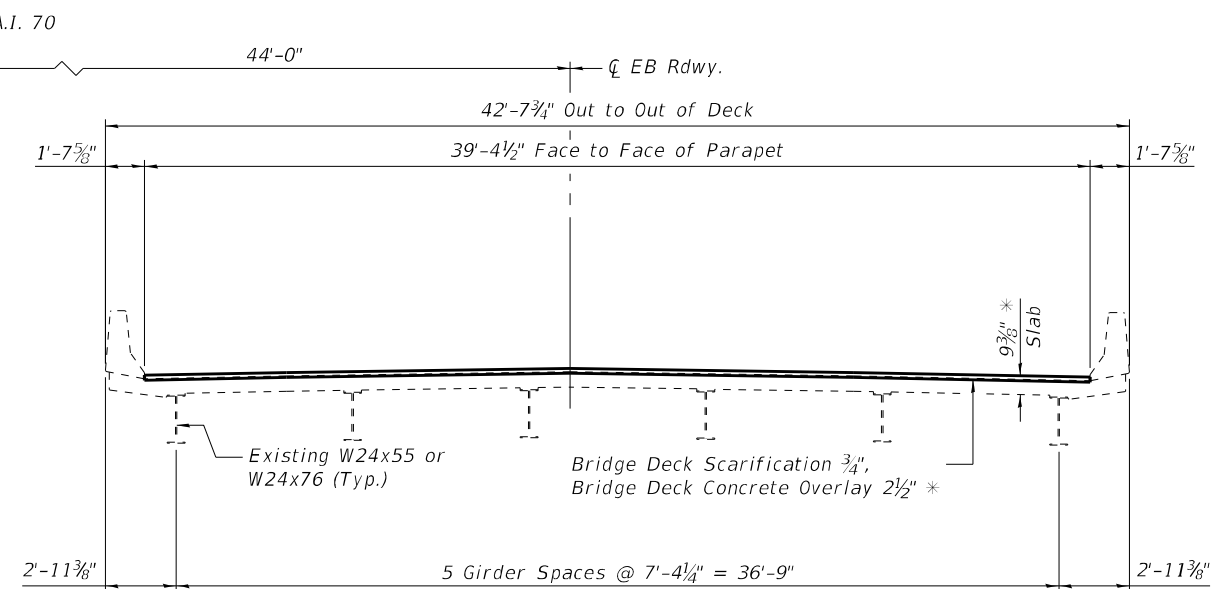
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 026-0019 (EB)
 SHEET 1 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	40
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



SN 026-0020
(Looking East)



SN 026-0019
(Looking East)

Traffic to be maintained head to head on S.N. 026-0020 during repairs to S.N. 026-0019. See roadway plans for staging details.

* Prior to Grinding

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated. Plan dimensions and details relative to existing plans 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.

Up to 1/4 inch may be ground off the bridge deck and approach slabs.

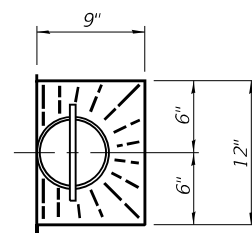
Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when deck is poured at an ambient temperature other than 50° F.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. 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 included in the pay item covering removal of the existing concrete.

Protective Coat shall be applied to concrete wearing surface and new concrete at parapets and joints.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

Existing reinforcement bars extending into the removal areas shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system. Cost included in Concrete Removal.



PLAN AT FLOOR DRAIN

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	44.9
Concrete Superstructure	Cu. Yd.	49.7
Protective Coat	Sq. Yd.	2663
Reinforcement Bars, Epoxy Coated	Pound	6900
Preformed Joint Strip Seal	Foot	166
Mechanical Splicers	Each	54
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1584
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq. Yd.	2525
Bridge Deck Scarification 3/4"	Sq. Yd.	2525
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	153
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	8
Diamond Grinding (Bridge Section)	Sq. Yd.	3381
Protective Shield	Sq. Yd.	95

MODEL: Default
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NO3 = 2480.7
FILE NAME = 026-0019-74998-03-Stage.dgn
PLOT DATE = 5/24/2022

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CHECKED , MDC
DRAWN , SJS
CHECKED , MDC

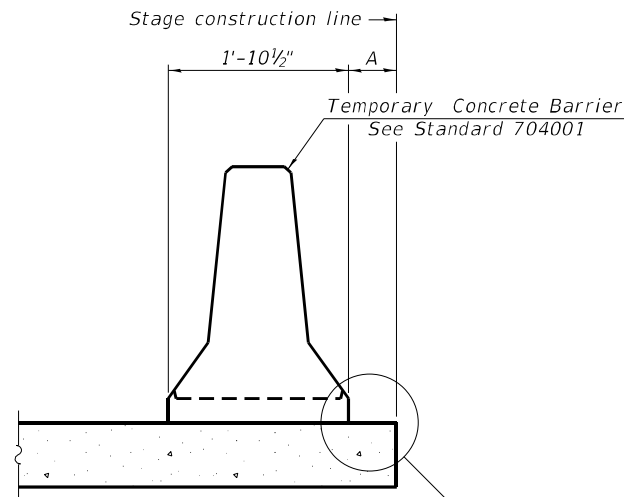
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REVISED ,

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 026-0019 (EB)

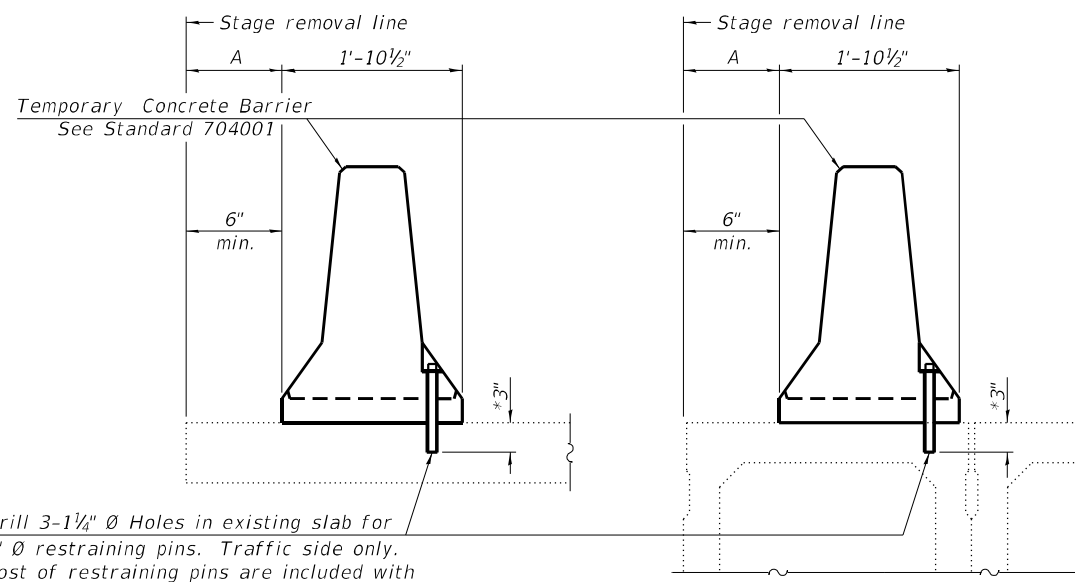
SHEET 2 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHIFTS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	41
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



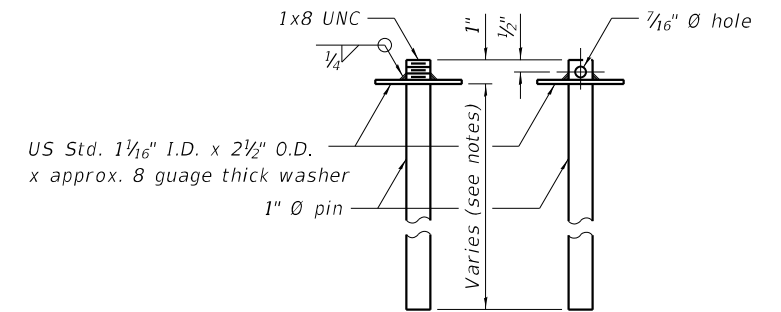
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

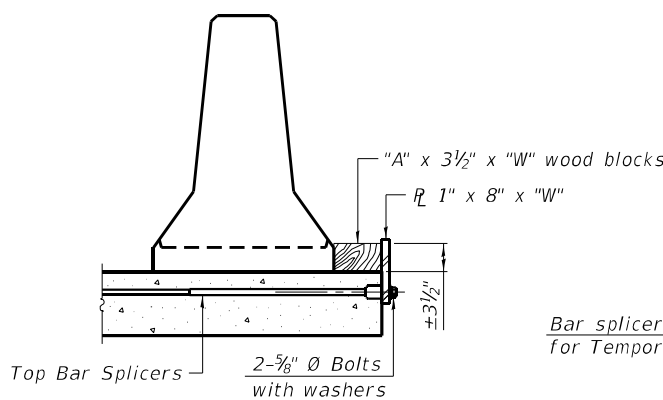
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

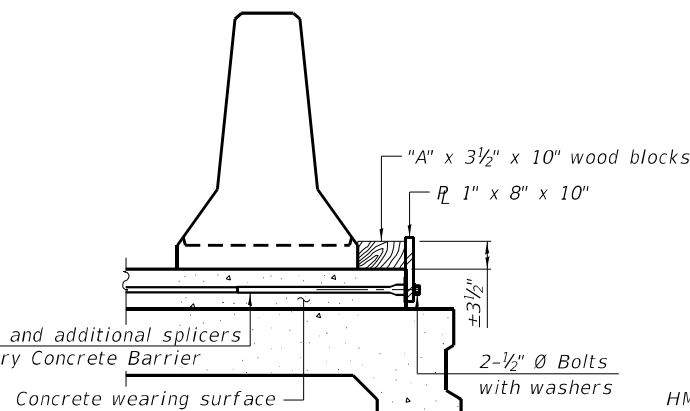


RESTRAINING PIN

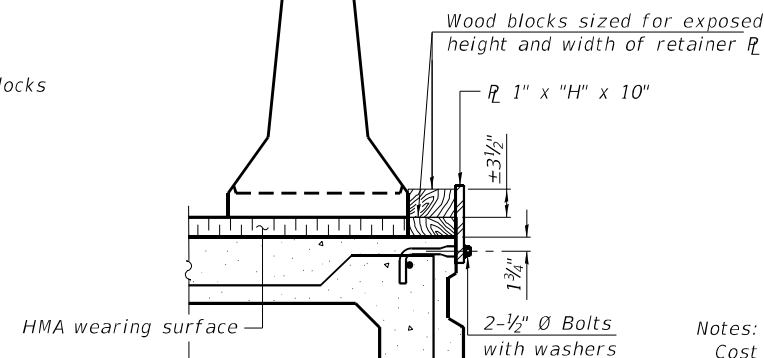
US Std. 1 1/16" I.D. x 2 1/2" O.D. x approx. 8 gauge thick washer



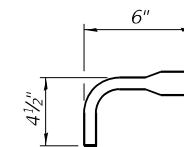
DETAIL I



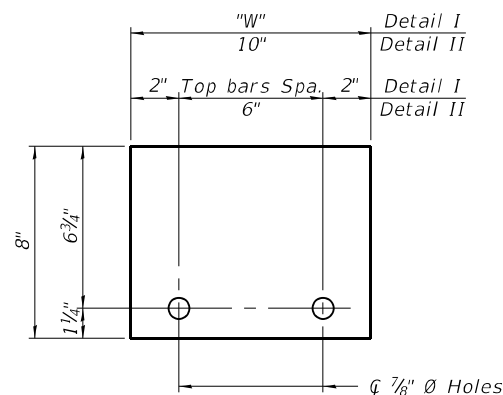
DETAIL II



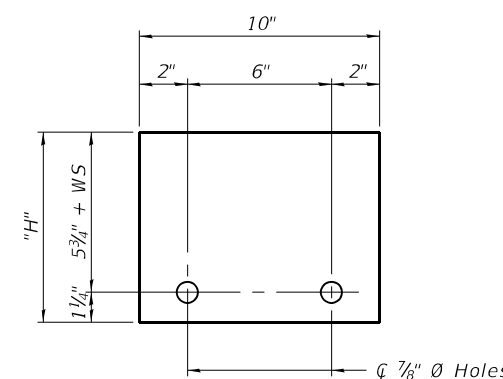
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER 1" x "H" x 10"
(Detail III)

Notes:

- Cost of retainer assembly is included with Temporary Concrete Barrier.
- A retainer assembly shall be located at the approximate center of each temporary concrete barrier.
- The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
- When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

- Detail I** - Installation for a new bridge deck or bridge slab.
- Detail II** - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
- Detail III** - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

MODEL: Default
FILE NAME: 026-0019-74998-04-Barrier.dgn

R-27 2-17-2017



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FILE NAME = 026-0019-74998-04-Barrier.dgn	CHECKED , MDC	REVISED ,
PLCT DATE = 5/24/2022	DRAWN , SJS	REVISED ,
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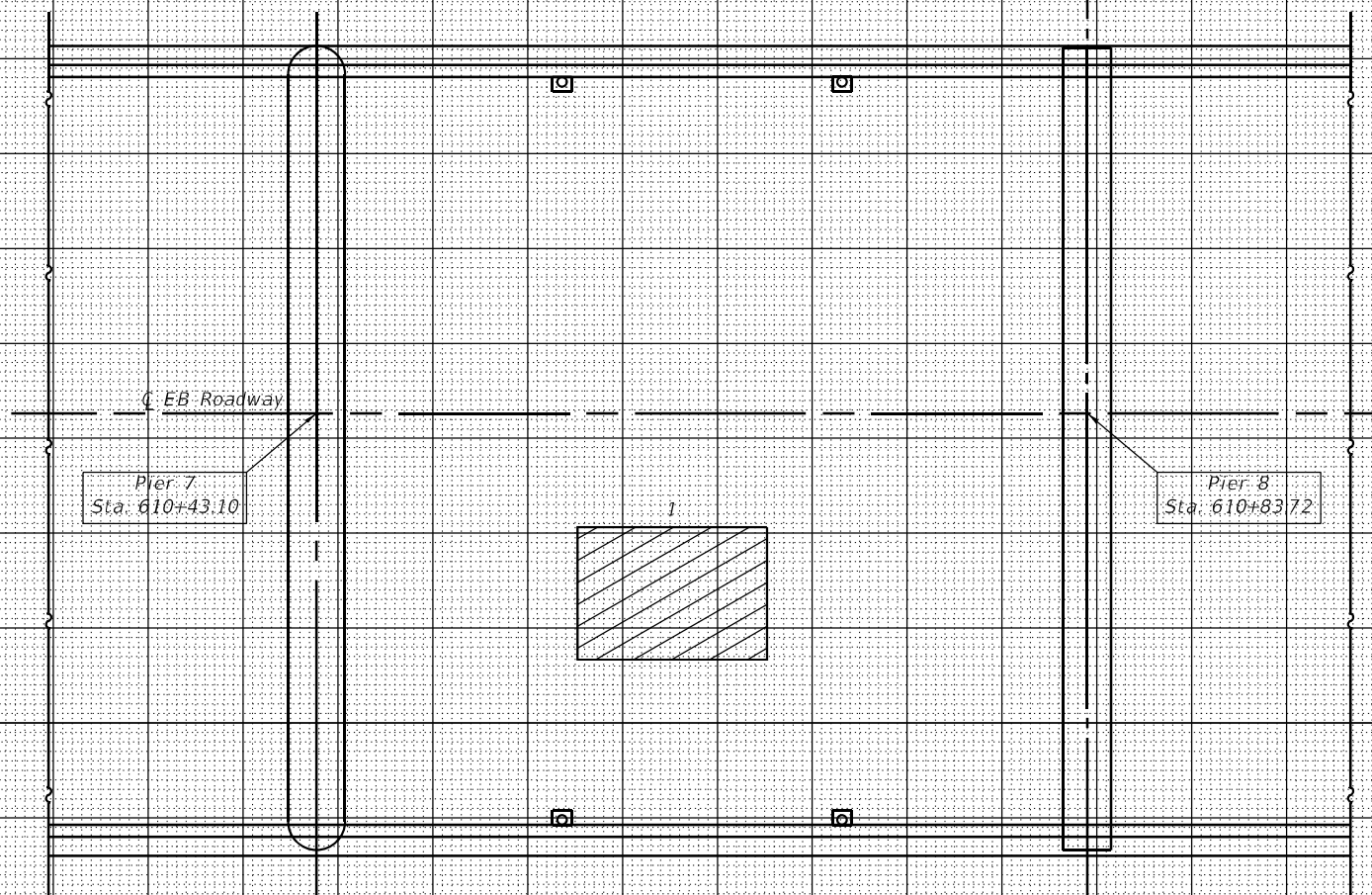
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 026-0019 (EB)**

SHEET 3 OF 15 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	42
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

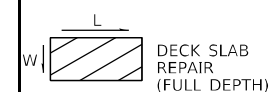
026-0019 Pier 7 to Pier 8



PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
1	10.0	7.0		7.8
TOTALS			≈ 2.0	7.8

* Estimate 2.0 SQ YD additional DECK SLAB REPAIR (FULL DEPTH, TYPE I) to account for smaller patches not found during survey.

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 11-25-2020
 SURVEY BY: DLK
 METHOD OF SURVEY: VISUAL

ESTIMATED PAY QUANTITIES
 DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 2.0 SQ YD
 DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 7.8 SQ YD

MODEL: Default
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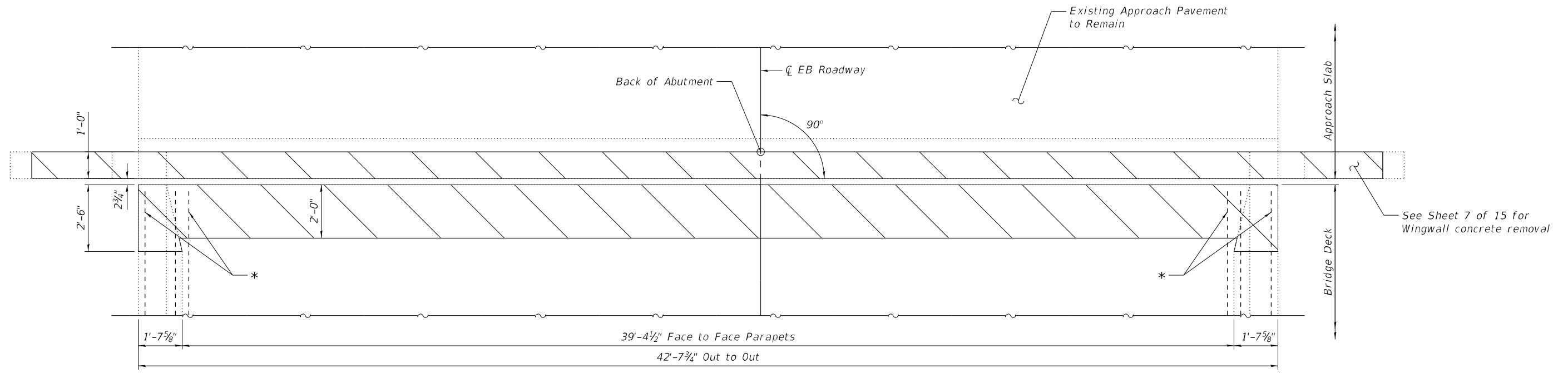
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	DRAWN - T. Walk	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

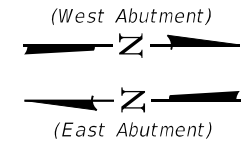
BRIDGE DECK PATCHING, SPAN BETWEEN PIERS 7 & 8
 SN. 026-0019

SCALE: SHEET 4 OF 15 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	43
			CONTRACT NO. 74998	
ILLINOIS FED. AID PROJECT				

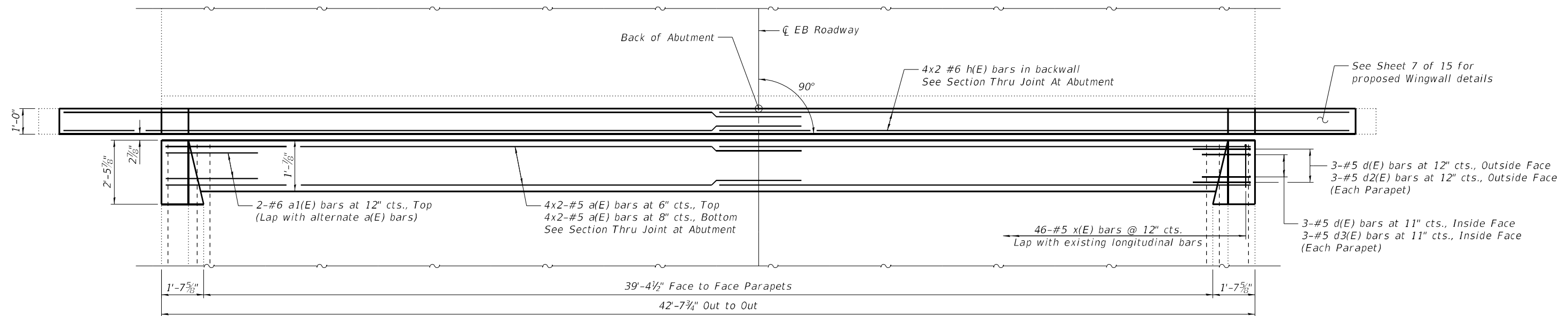


EXISTING PLAN AT EXPANSION JOINT



Hatched area indicates limits of Concrete Removal.

* Existing longitudinal reinforcement extending into removal area shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.



PROPOSED PLAN AT EXPANSION JOINT

MINIMUM BAR LAP

#5 bar = 3'-6"
#6 bar = 4'-0"

MODEL: Default
FILE NAME: 026-0019-74998-06-08-JointRepairs.dgn



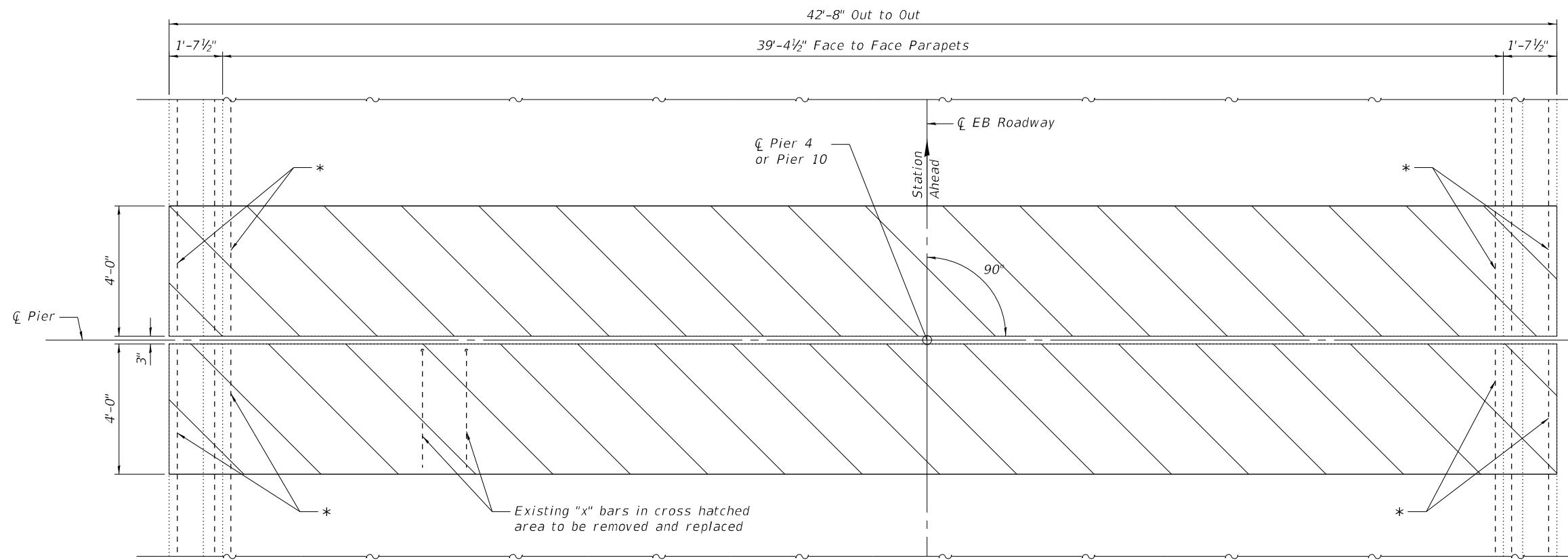
NO. = 2480.7	DESIGNED , AAN	REVISED ,
FILE NAME = 026-0019-74998-06-08-JointRepairs.dgn	CHECKED , MDC	REVISED ,
PLCOT DATE = 5/24/2022	DRAWN , SJS	REVISED ,
	CHECKED , MDC	REVISED ,

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT JOINT REPLACEMENT DETAILS
STRUCTURE NO. 026-0019 (EB)**

SHEET 5 OF 15 SHEETS

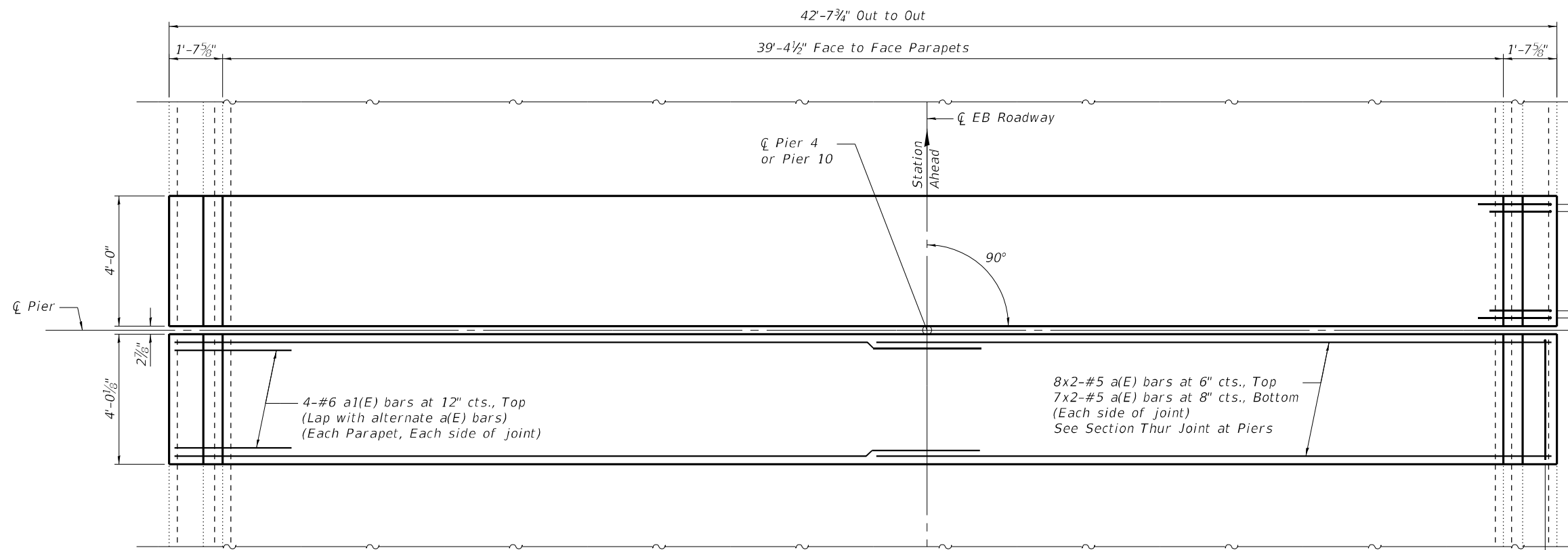
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	44
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



EXISTING PLAN AT PIERS 4 & 10

Hatched area indicates limits of Concrete Removal.

* Existing longitudinal reinforcement extending into removal area shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.



PROPOSED PLAN AT PIERS 4 & 10

MINIMUM BAR LAP
#5 bar = 3'-6"

MODEL: Default
FILE NAME: 026-0019-74998-06-08-JointRepairs.dgn



PROJECT NO.	2480.7
FILE NAME	026-0019-74998-06-08-JointRepairs.dgn
PLLOT DATE	5/24/2022

DESIGNED	AAN	REVISION	
CHECKED	MDC	REVISION	
DRAWN	SJS	REVISION	
CHECKED	MDC	REVISION	

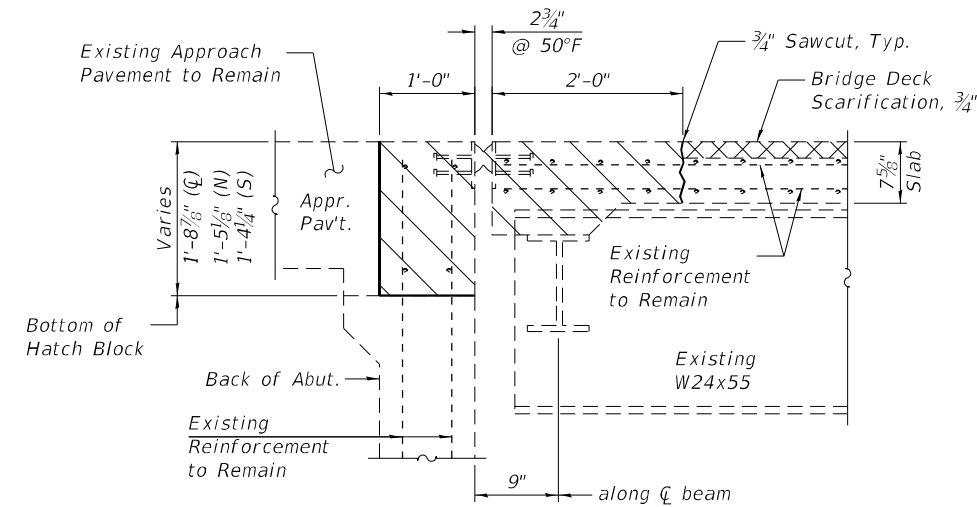
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIERS 4 & 10 JOINT REPLACEMENT DETAILS
STRUCTURE NO. 026-0019 (EB)**

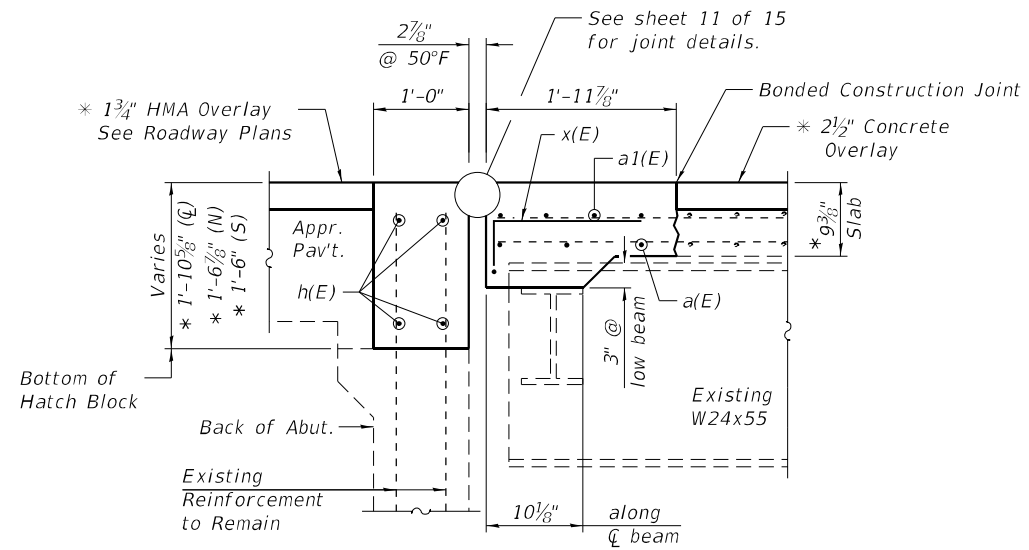
SHEET 6 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	45
CONTRACT NO. 74998				

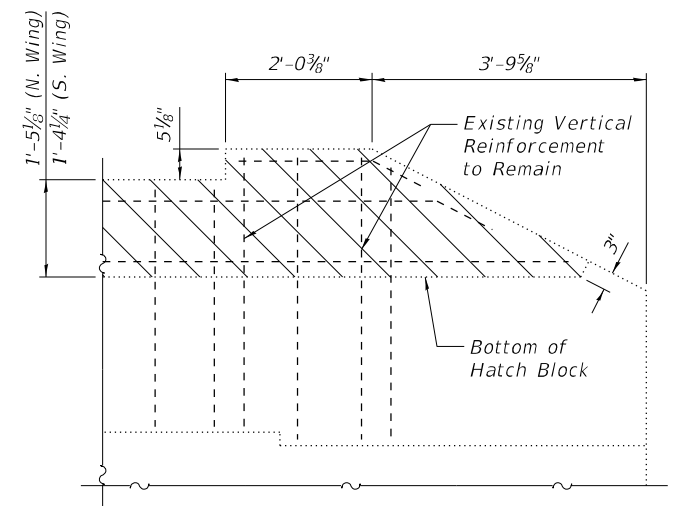
ILLINOIS FED. AID PROJECT



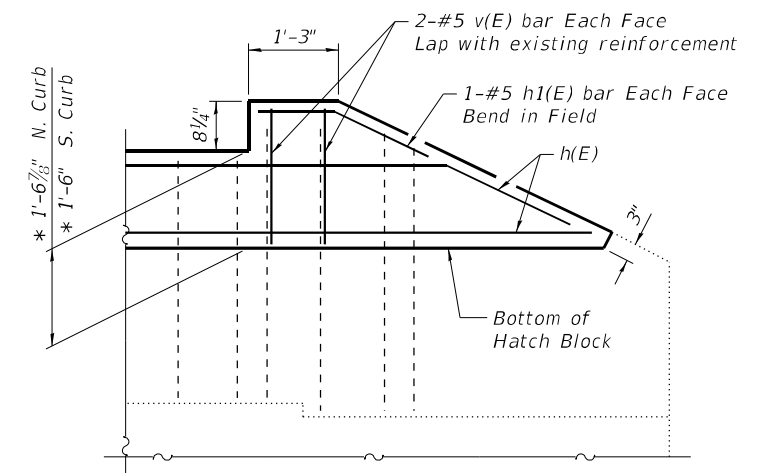
**SECTION THRU BRIDGE DECK (REMOVAL)
AT ABUTMENTS**
(Horiz. Dim. at Rt. L's)



**SECTION THRU BRIDGE DECK (PROPOSED)
AT ABUTMENTS**
(Horiz. Dim. at Rt. L's)

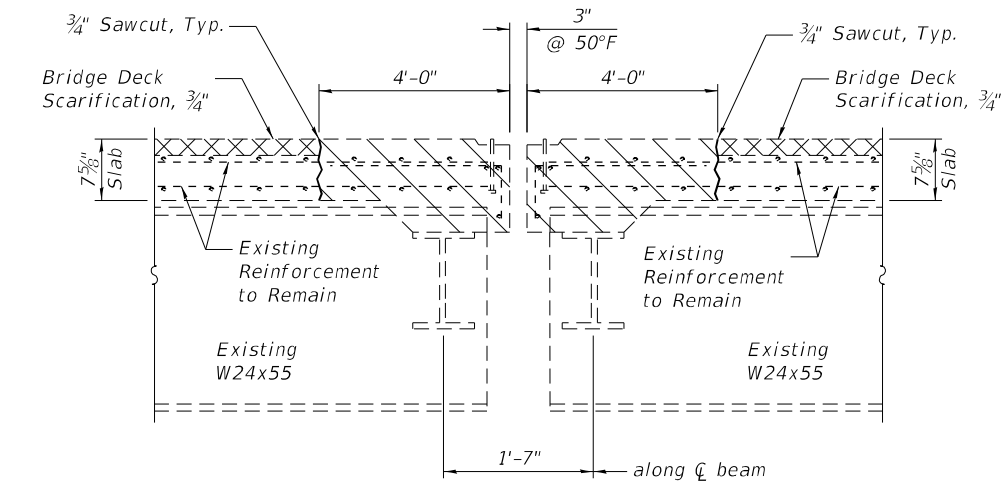


WINGWALL ELEVATION
(Showing Removal)

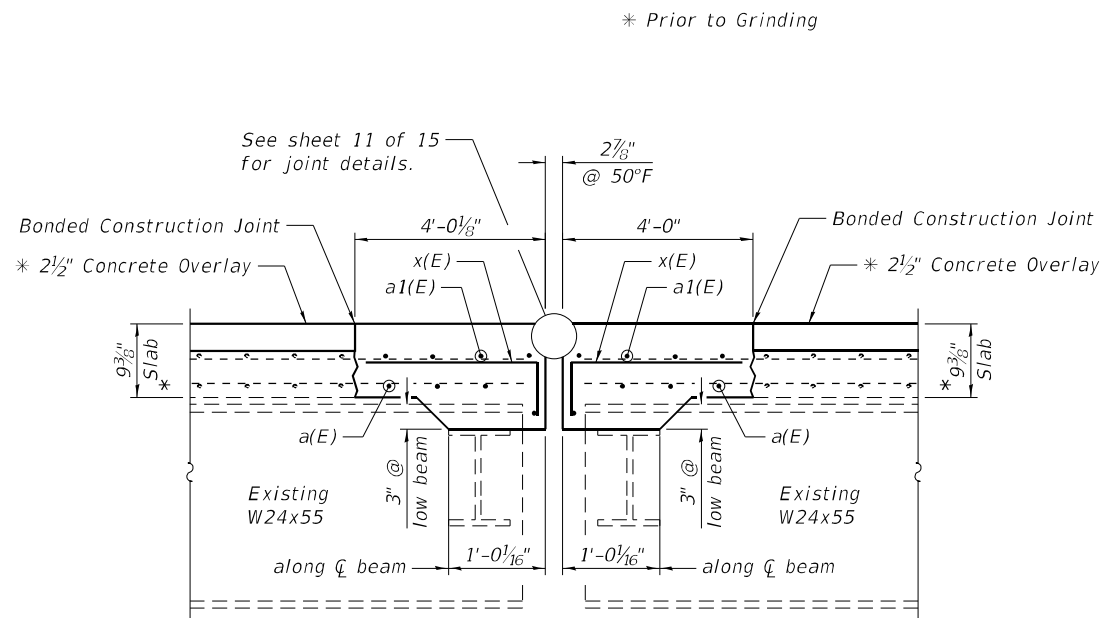


WINGWALL ELEVATION
(Showing Proposed)

Note:
Any excavation necessary to remove concrete wingwalls shall not be paid for separately but shall be included in the cost of Concrete Removal.
Hatched area indicates limits of Concrete Removal.



**SECTION THRU BRIDGE DECK (REMOVAL)
AT PIERS 4 & 10**
(Horiz. Dim. at Rt. L's)



**SECTION THRU BRIDGE DECK (PROPOSED)
AT PIERS 4 & 10**
(Horiz. Dim. at Rt. L's)

MODEL: Default
FILE NAME: 026-0019-74998-06-08-JointRepairs.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

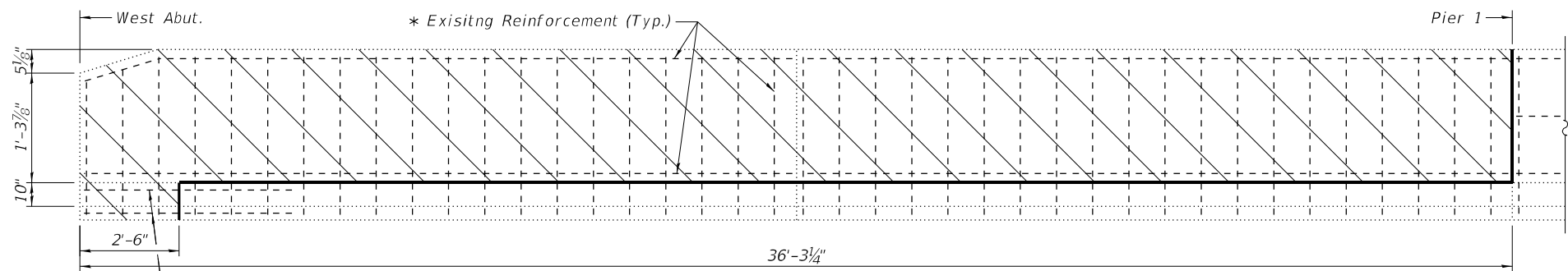
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PLCOT DATE = 5/24/2022	DRAWN , SJS	REVISED ,
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STATE OF ILLINOIS
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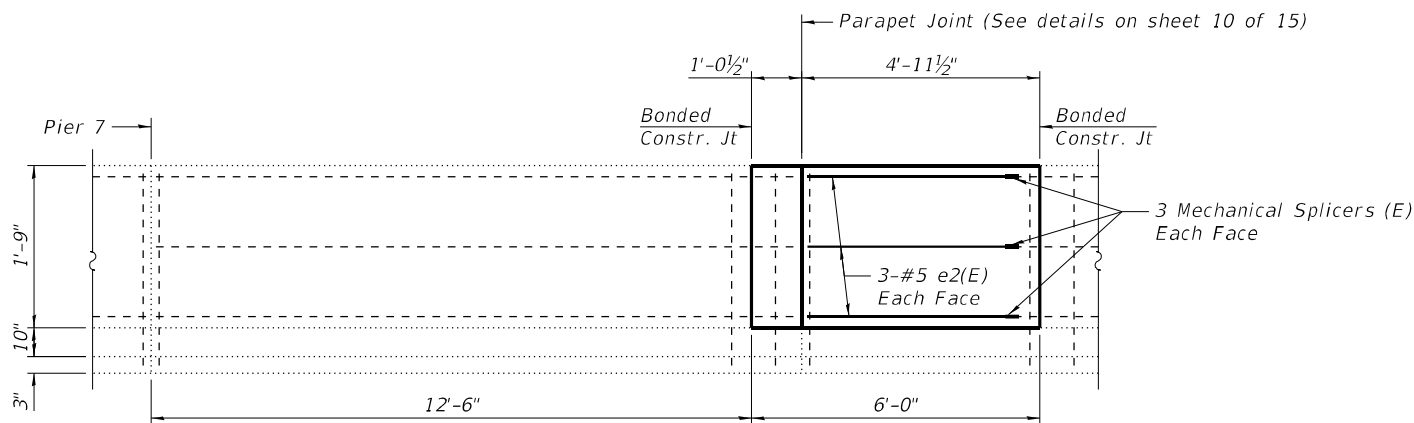
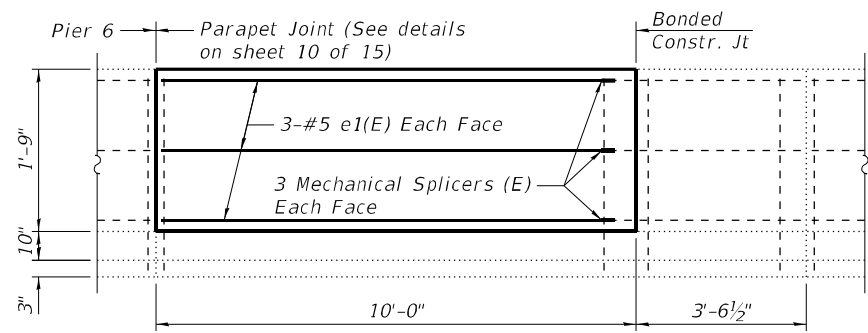
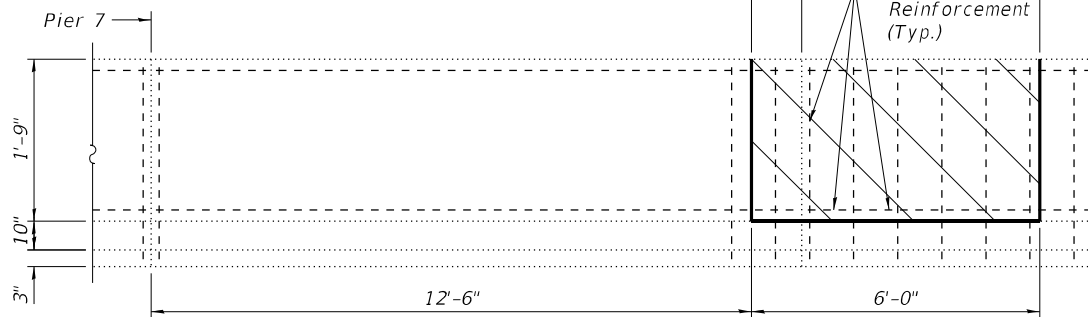
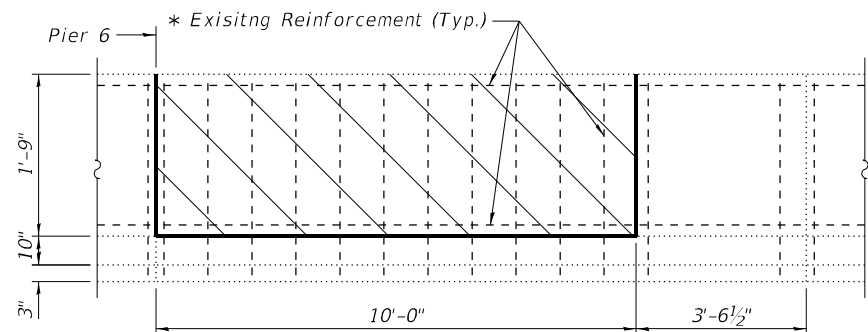
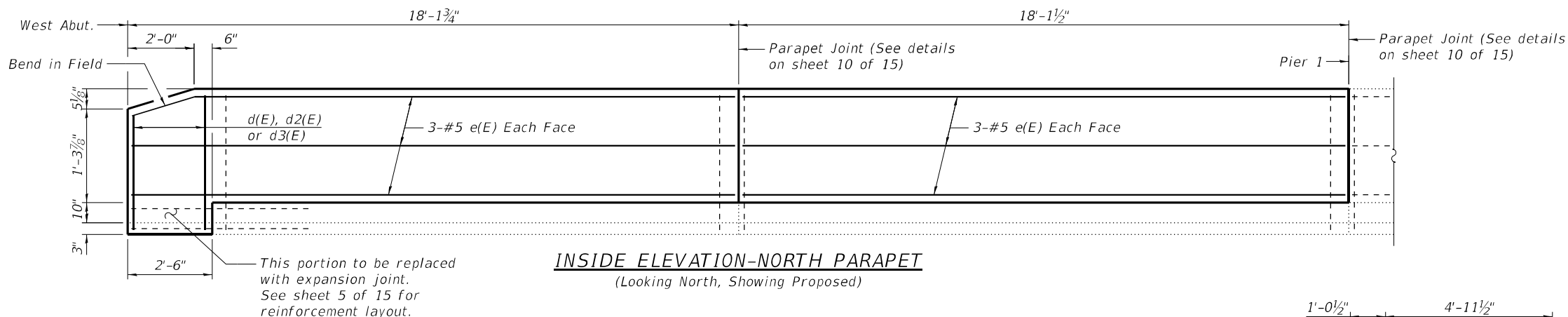
JOINT REPLACEMENT DETAILS
STRUCTURE NO. 026-0019 (EB)

SHEET 7 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	46
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



Hatched areas indicate limits of Concrete Removal.



* Cut existing horizontal reinforcement 6" from removal line to facilitate installation of Mechanical Splicers. Vertical reinforcement to remain.

MODEL: Default
FILE NAME: 026-0019-74998-09-11-Parapet.dgn



PROJECT NO.	2480.7
FILE NAME	026-0019-74998-09-11-Parapet.dgn
PLCOT DATE	5/24/2022

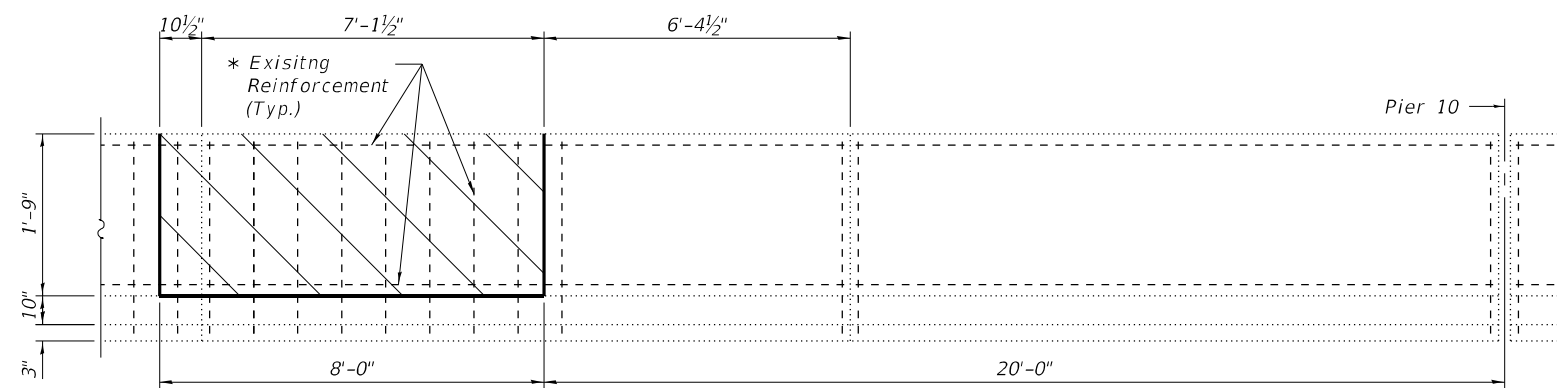
DESIGNED	AAN	REVISED	
CHECKED	MDC	REVISED	
DRAWN	SJS	REVISED	
CHECKED	MDC	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

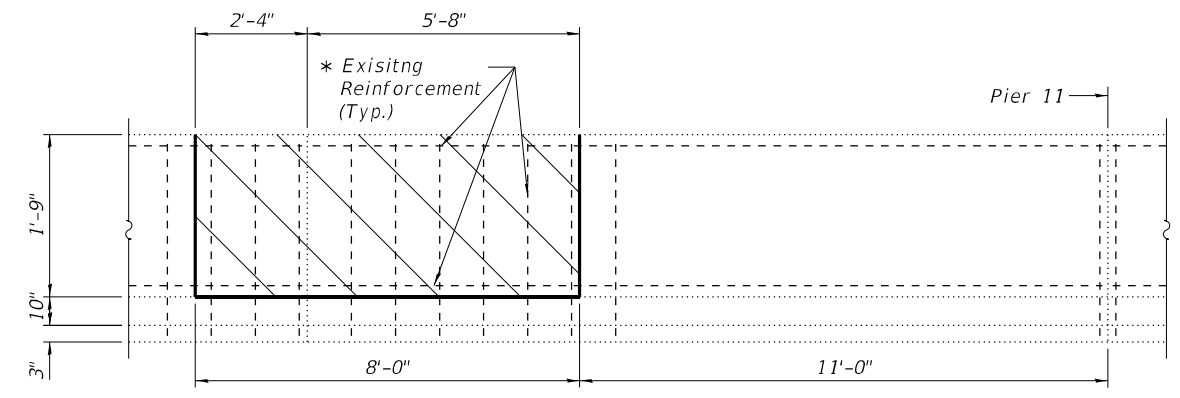
PARAPET REPAIR DETAILS
STRUCTURE NO. 026-0019 (EB)

SHEET 8 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	47
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

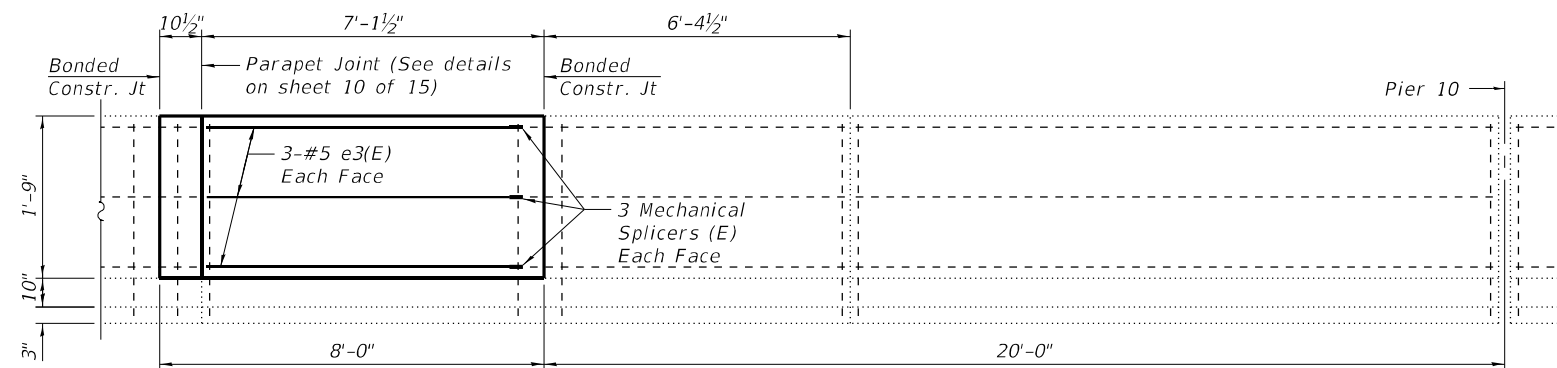


INSIDE ELEVATION-NORTH PARAPET
(Looking North, Showing Removal)

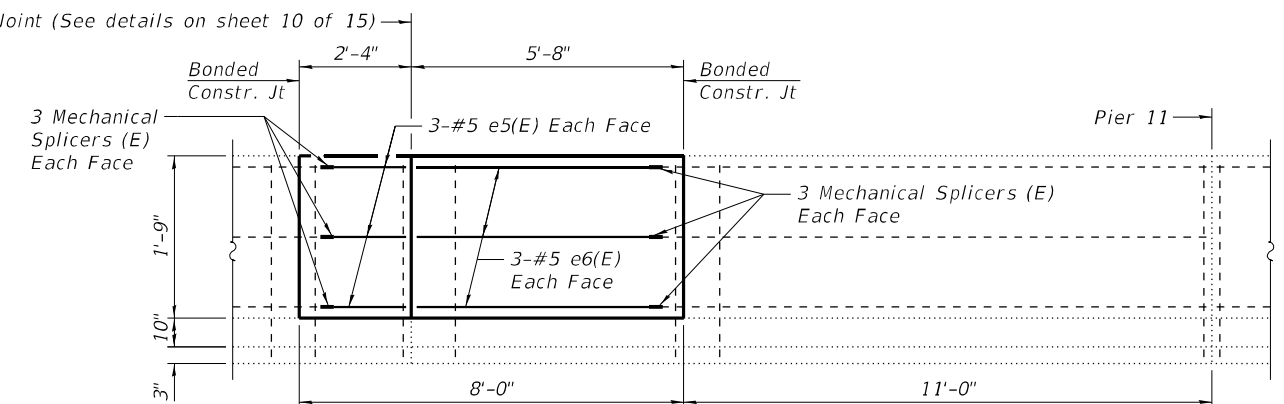


INSIDE ELEVATION-SOUTH PARAPET
(Looking South, Showing Removal)

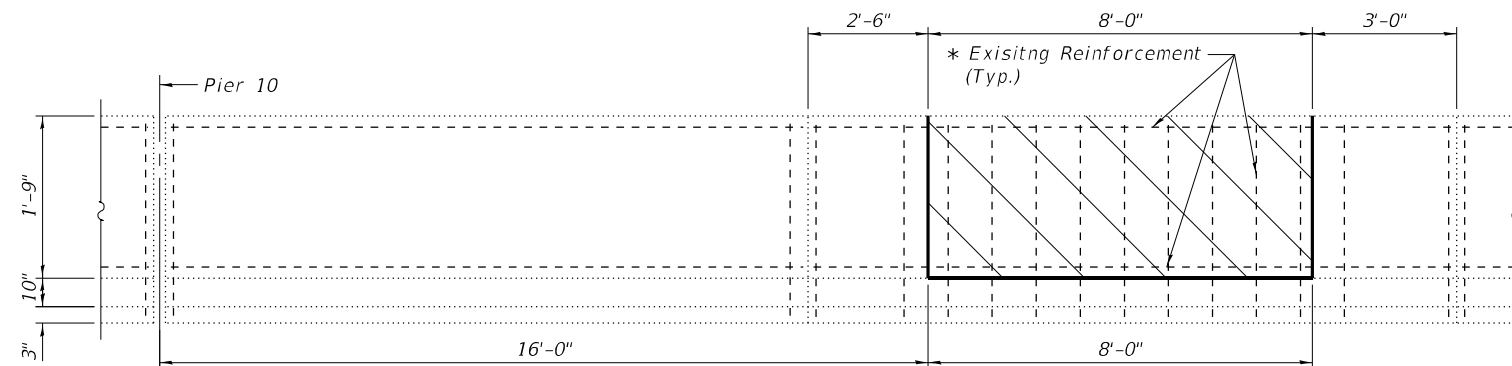
Parapet Joint (See details on sheet 10 of 15)



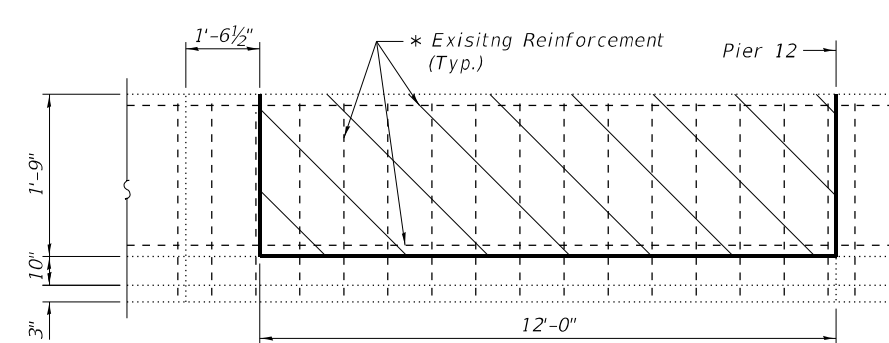
INSIDE ELEVATION-NORTH PARAPET
(Looking North, Showing Proposed)



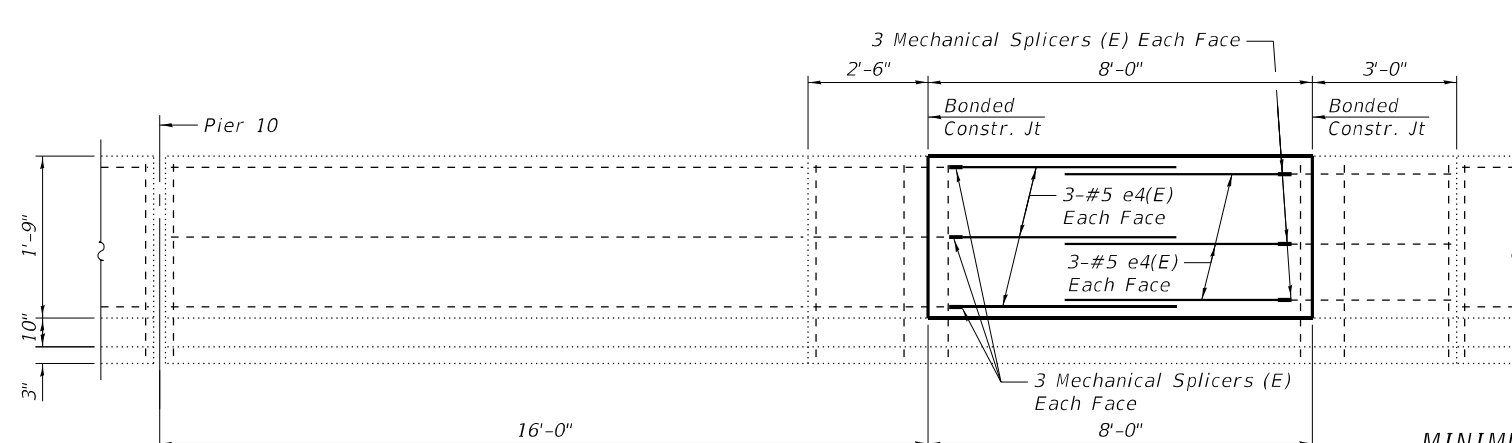
INSIDE ELEVATION-SOUTH PARAPET
(Looking South, Showing Proposed)



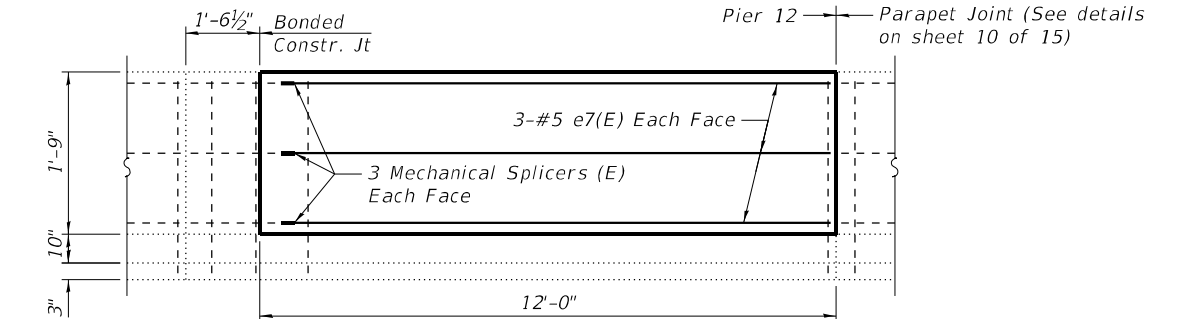
INSIDE ELEVATION-NORTH PARAPET
(Looking North, Showing Removal)



INSIDE ELEVATION-SOUTH PARAPET
(Looking South, Showing Removal)



INSIDE ELEVATION-NORTH PARAPET
(Looking North, Showing Proposed)



INSIDE ELEVATION-SOUTH PARAPET
(Looking South, Showing Proposed)

MINIMUM BAR LAP
#5 bar = 3'-1"

Hatched areas indicate limits of Concrete Removal.

* Cut existing horizontal reinforcement 6" from removal line to facilitate installation of Mechanical Splicers. Vertical reinforcement to remain.

MODEL: Default
FILE NAME: 026-0019-74998-09-11-Parapet.dgn



PROJECT NO.	2480.7
FILE NAME	026-0019-74998-09-11-Parapet.dgn
PLLOT DATE	5/24/2022

DESIGNED	AAN	REVISION	
CHECKED	MDC	REVISION	
DRAWN	SJS	REVISION	
CHECKED	MDC	REVISION	

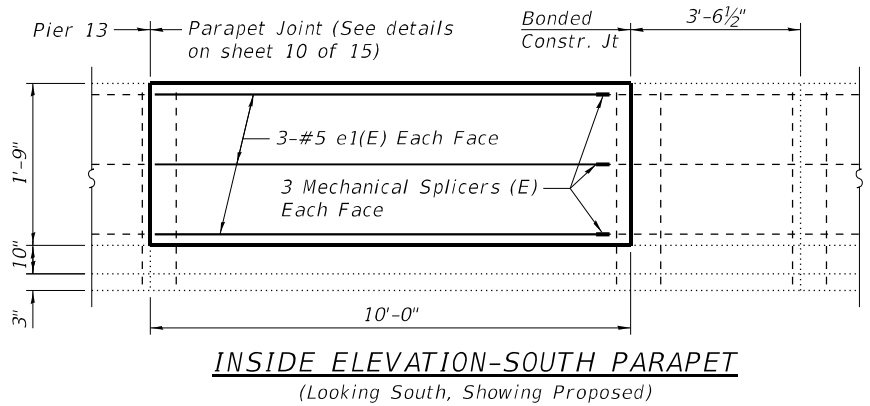
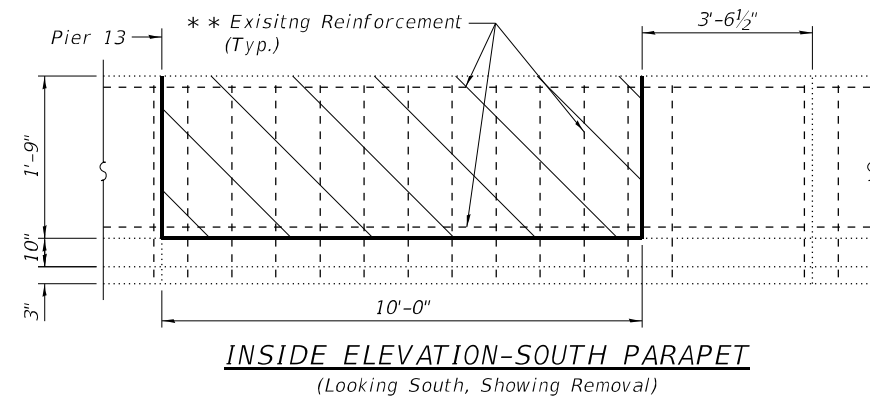
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR DETAILS
STRUCTURE NO. 026-0019 (EB)

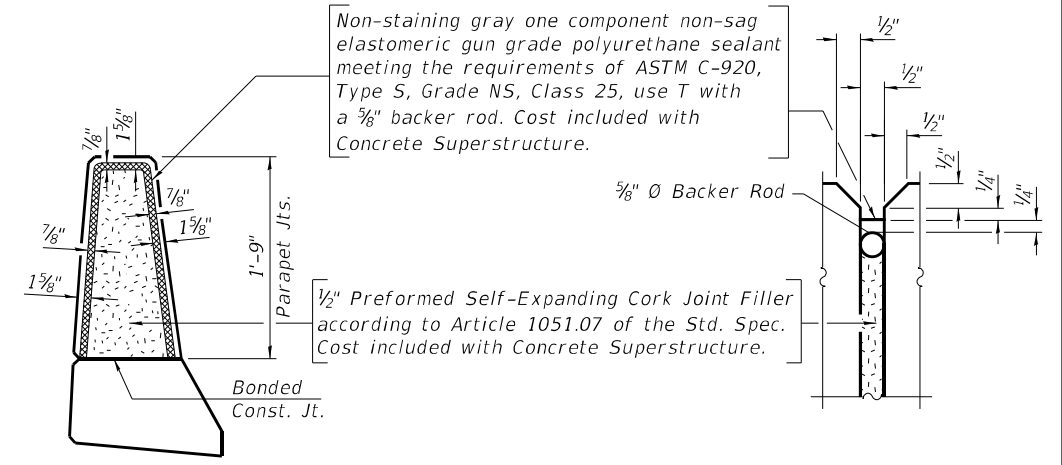
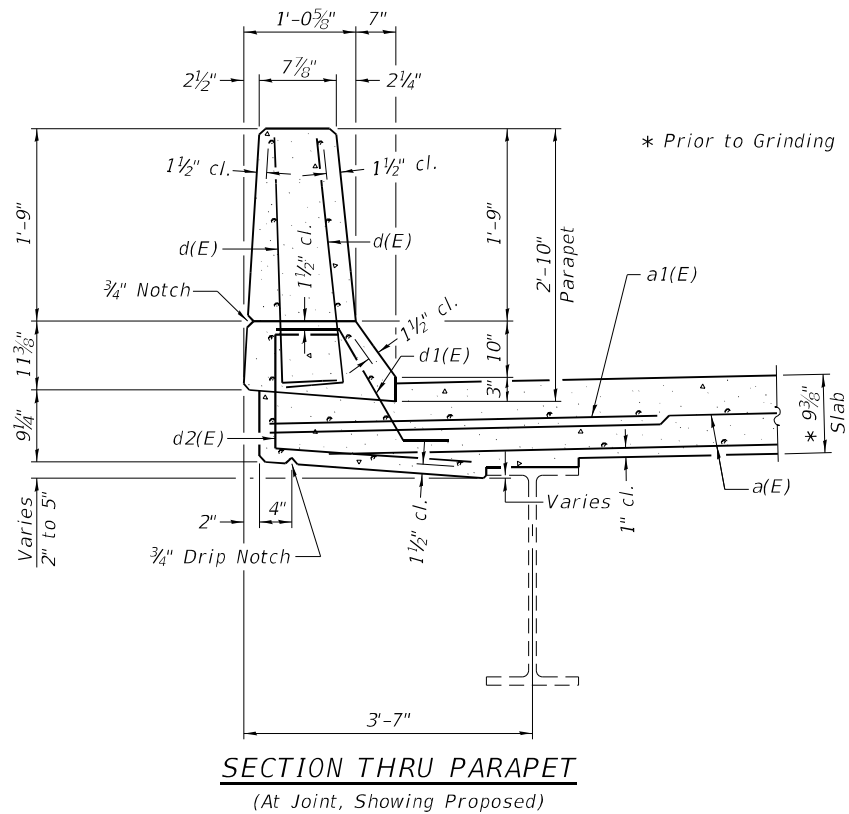
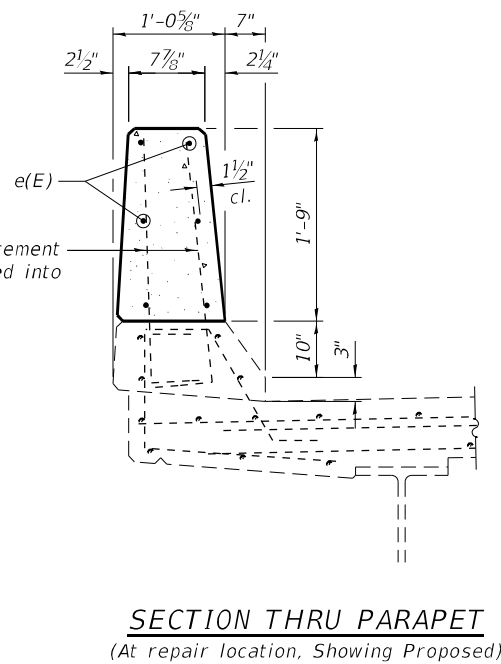
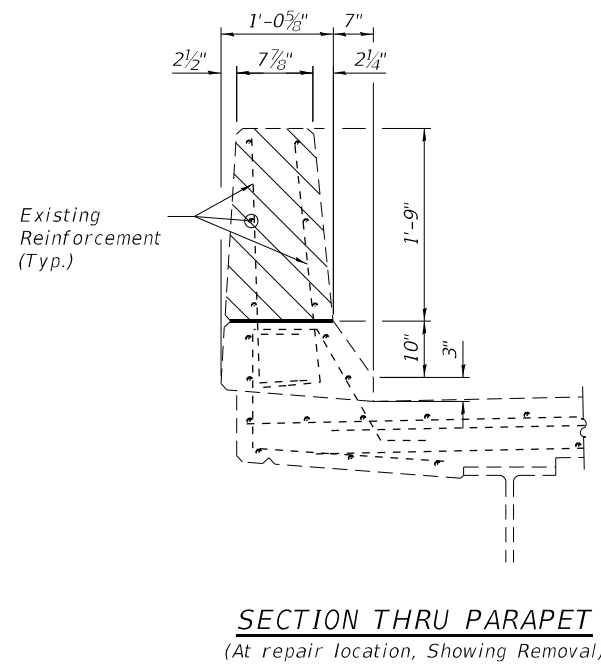
SHEET 9 OF 15 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	48
CONTRACT NO. 74998				

ILLINOIS FED. AID PROJECT



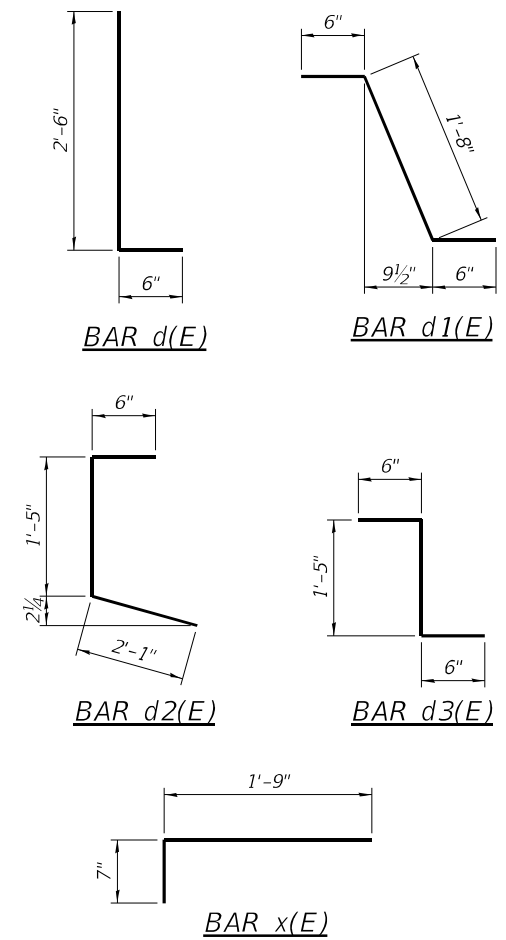
** Cut existing horizontal reinforcement 6" from removal line to facilitate installation of Mechanical Splicers. Vertical reinforcement to remain.



PARAPET JOINT DETAILS

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	152	#5	22'-9"	—
a1(E)	40	#6	6'-6"	—
d(E)	104	#5	3'-0"	┌
d1(E)	80	#5	2'-8"	┌
d2(E)	92	#5	4'-0"	┌
d3(E)	12	#5	2'-5"	┌
e(E)	12	#5	17'-10"	—
e1(E)	12	#5	9'-4"	—
e2(E)	6	#5	4'-3"	—
e3(E)	6	#5	6'-5"	—
e4(E)	12	#5	5'-1"	—
e5(E)	6	#5	1'-8"	—
e6(E)	6	#5	5'-0"	—
e7(E)	6	#5	11'-4"	—
h(E)	16	#6	27'-2"	—
h1(E)	4	#5	3'-0"	—
v(E)	8	#5	1'-10"	—
x(E)	276	#5	2'-4"	┌
Reinforcement Bars, Epoxy Coated			Pound	6900
Mechanical Splicers			Each	54
Concrete Superstructure			Cu. Yd.	49.7
Concrete Removal			Cu. Yd.	44.9



Notes:
Hatched areas indicate limits of Concrete Removal.

Existing reinforcement to remain shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.

Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

MODEL: Default
FILE NAME: 026-0019-74998-09-11-Parapet.dgn



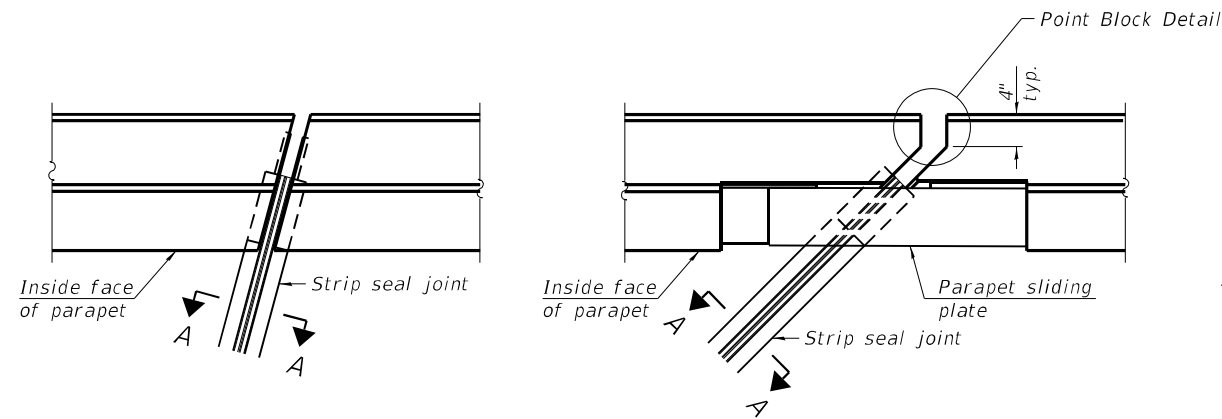
PROJECT NO. = 2480.7	DESIGNED BY = AAN	REVISIONS
FILE NAME = 026-0019-74998-09-11-Parapet.dgn	CHECKED BY = MDC	REVISIONS
PLCOT DATE = 5/24/2022	DRAWN BY = SJS	REVISIONS
	CHECKED BY = MDC	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR DETAILS
STRUCTURE NO. 026-0019 (EB)

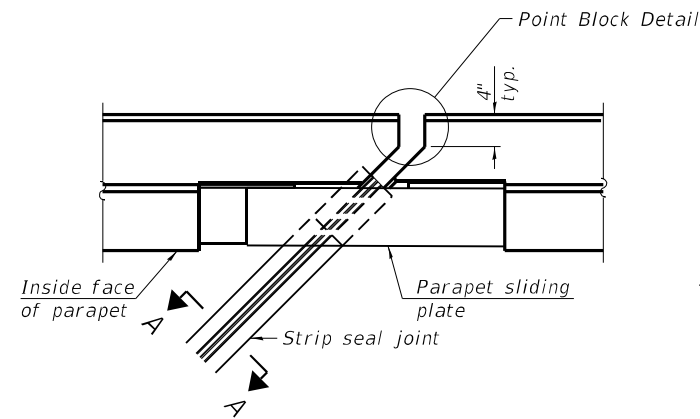
SHEET 10 OF 15 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	49
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

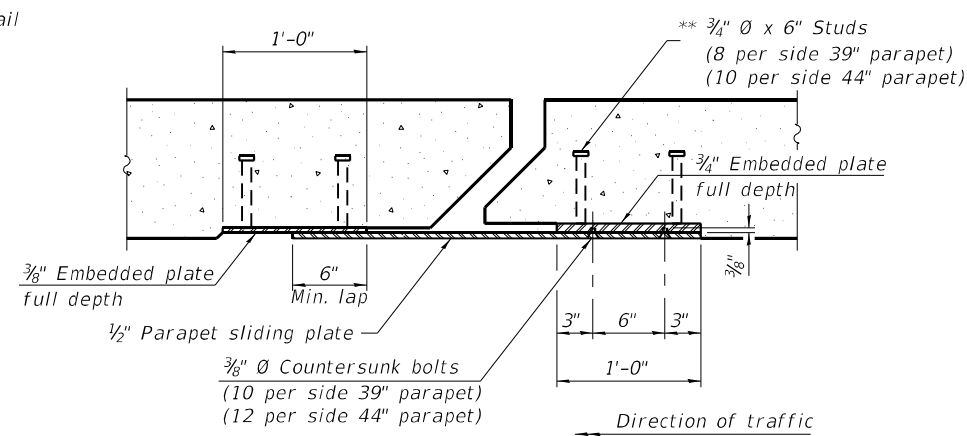


FOR SKEWS $\leq 30^\circ$

PLAN AT PARAPET

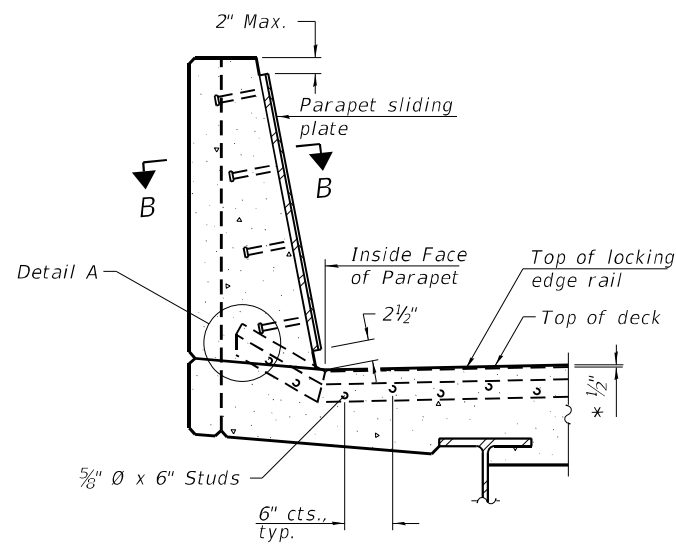


FOR SKEWS $> 30^\circ$

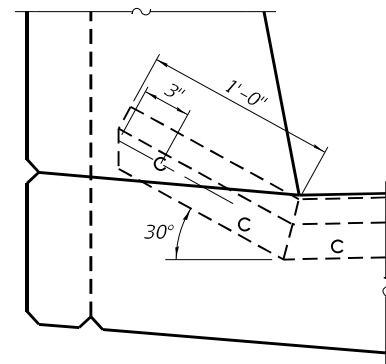


SECTION B-B

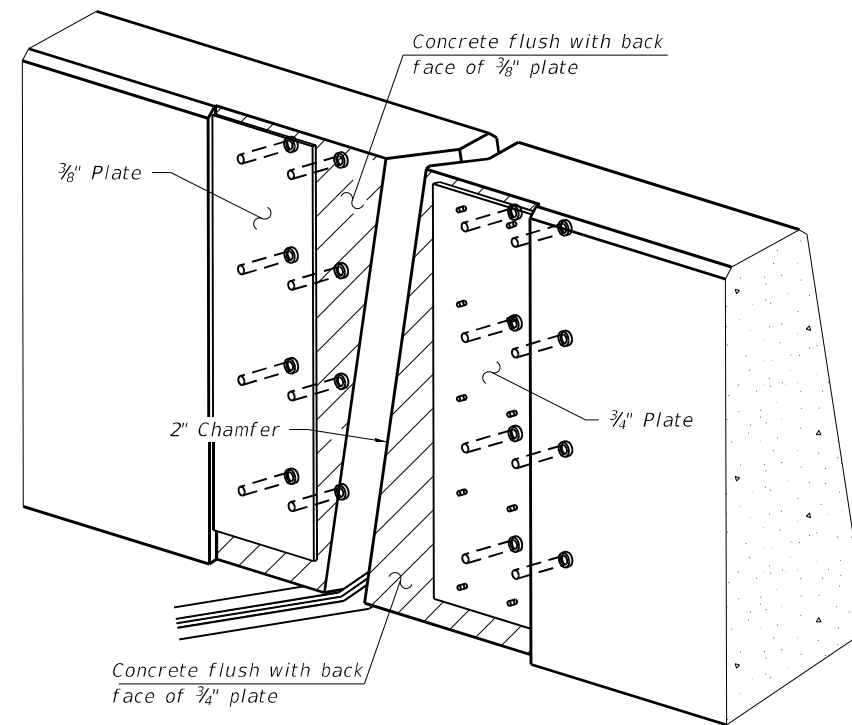
Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum 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 $4\frac{1}{2}$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.



SECTION AT PARAPET
 (Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)

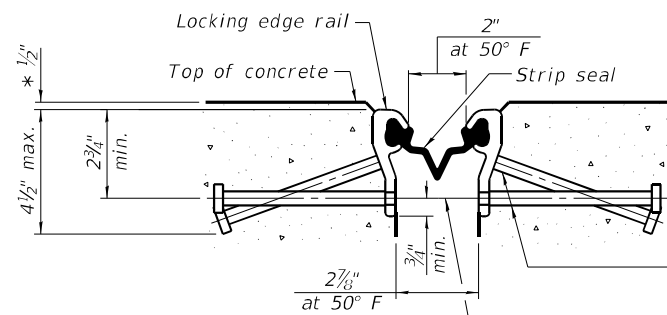


DETAIL A



TRIMETRIC VIEW
 (Showing embedded plates only)

* Prior to Grinding

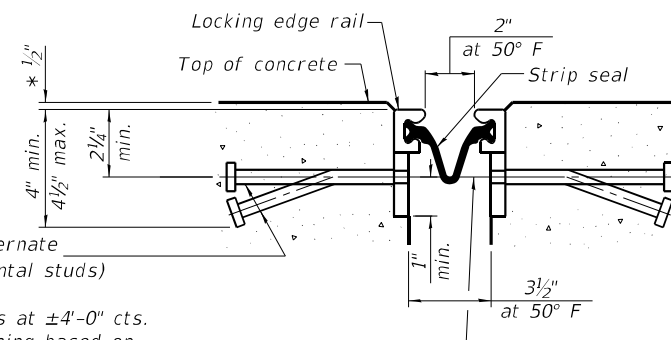


SHOWING ROLLED RAIL JOINT

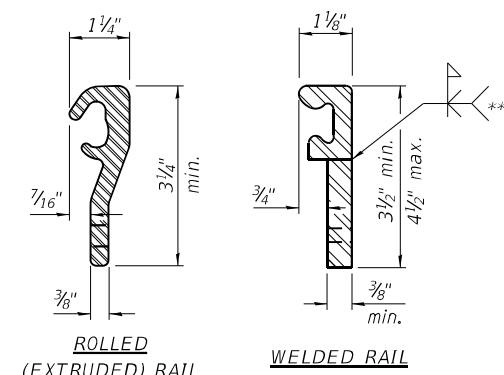
** $\frac{5}{8}$ " \emptyset x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 $\frac{3}{8}$ " ϕ threaded rods in $\frac{7}{16}$ " ϕ holes at ± 4 "-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be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

SECTION A-A

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

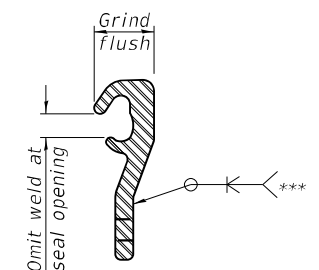


SHOWING WELDED RAIL JOINT



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	166

MODEL: Default
 FILE NAME: 026-0019-74998-12-JointSeal.dgn

CEC Cummins Engineering Corporation
 Civil and Structural Engineering

NO. = 2480.7	DESIGNED , AAN	REVISED ,
FILE NAME = 026-0019-74998-12-JointSeal.dgn	CHECKED , MDC	REVISED ,
PLCOT DATE = 5/24/2022	DRAWN , SJS	REVISED ,
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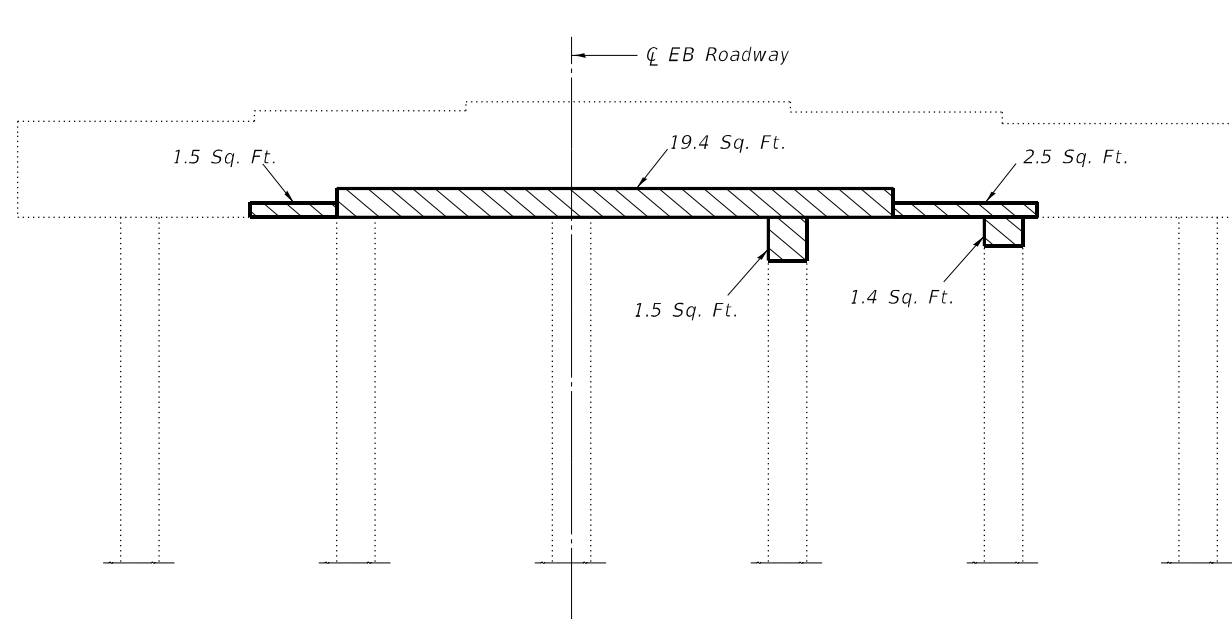
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MODIFIED PREFORMED JOINT STRIP SEAL
 STRUCTURE NO. 026-0019 (EB)

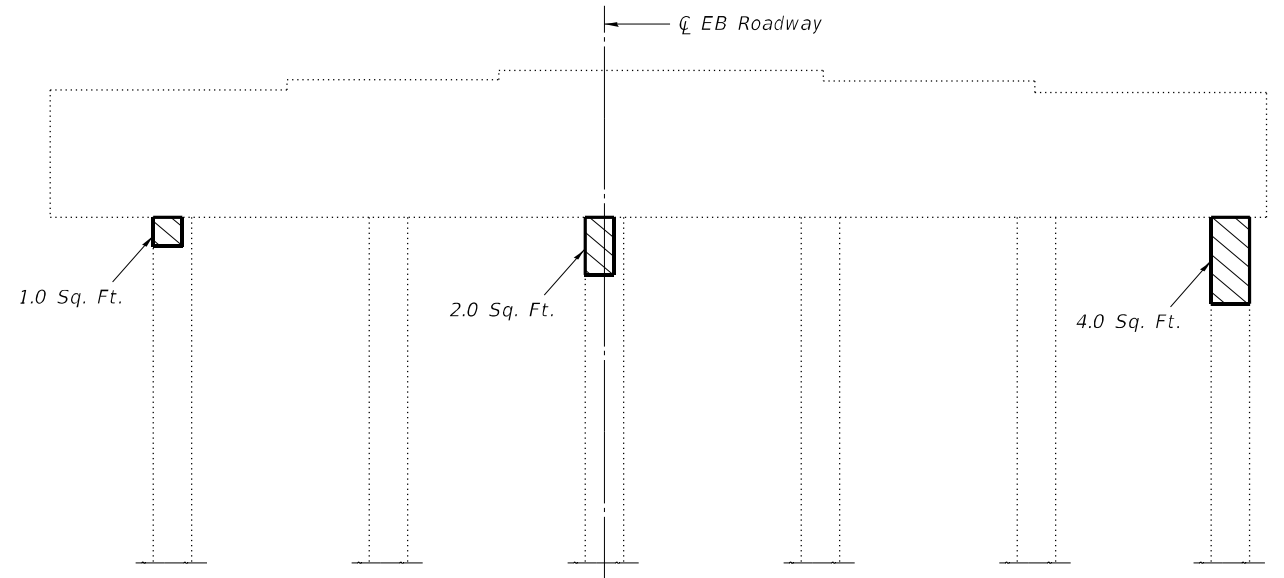
SHEET 11 OF 15 SHEETS

F.A.I. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	50
CONTRACT NO. 74998				

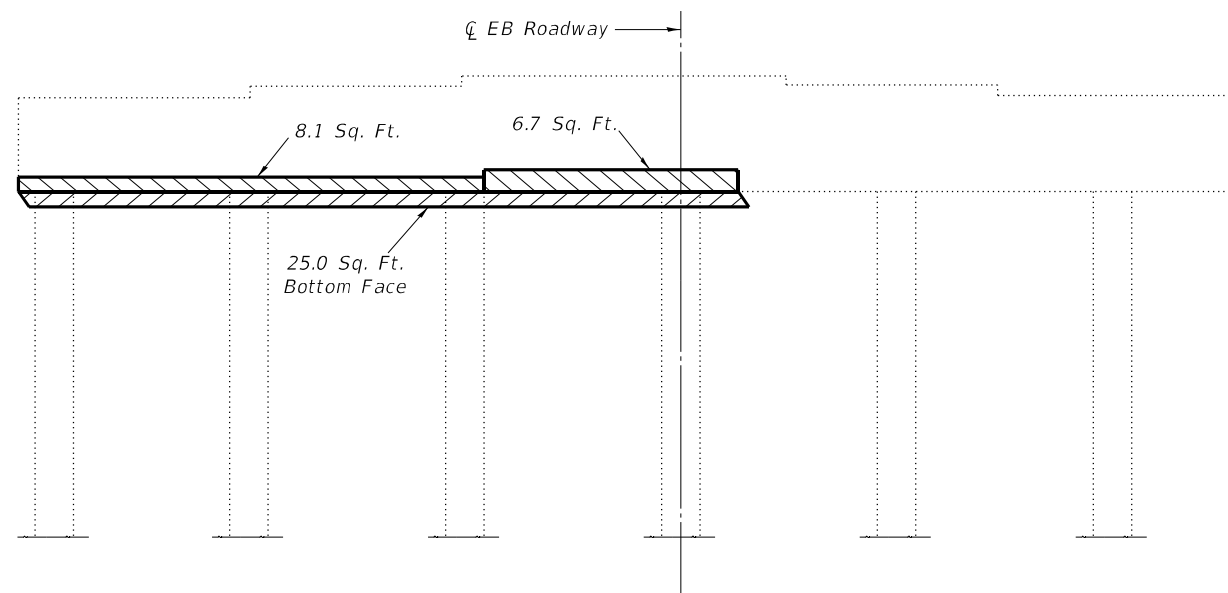
ILLINOIS FED. AID PROJECT



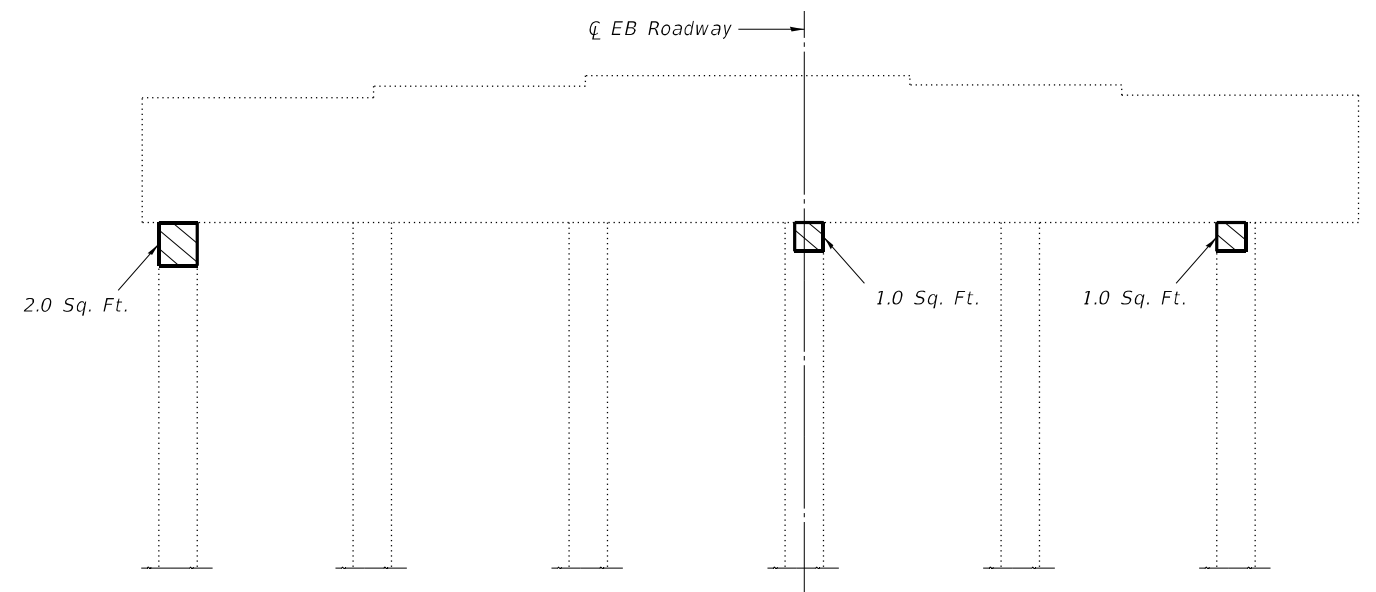
PIER 1
Looking East



PIER 4
Looking East



PIER 1
Looking West



PIER 4
Looking West

LEGEND



Hatched area indicates limits of Structural Repairs.

BILL OF MATERIAL - THIS SHEET

Item	Unit	Total
Structural Repair of Concrete, ≤ 5 inches	Sq. Ft.	77.1

DATE OF SURVEY: 1-8-2021
SURVEY BY: DPM
METHOD OF SURVEY: VISUAL

MODEL: D:\p\h\l
FILE NAME: 026-0019-74998-13-15-PierRepairs.dgn

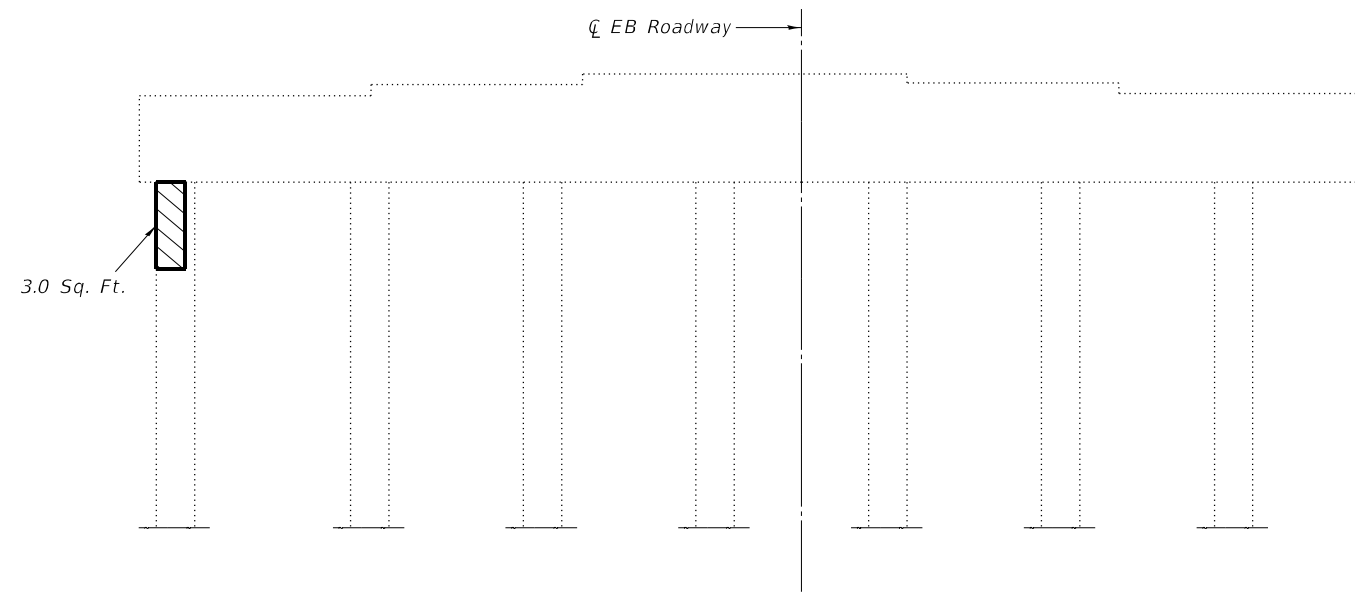
USER NAME = default	DESIGNED - T. Walk	REVISED -
	DRAWN - T. Walk	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

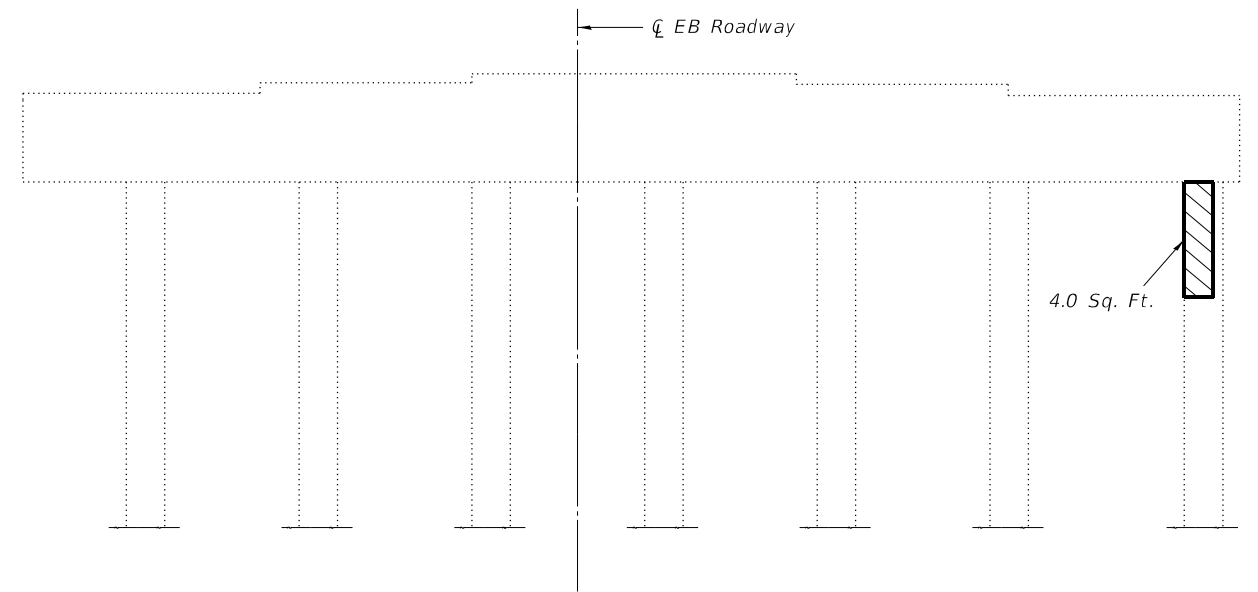
PIER REPAIRS
S.N. 026-0019

SCALE: SHEET 12 OF 15 SHEETS STA. TO STA.

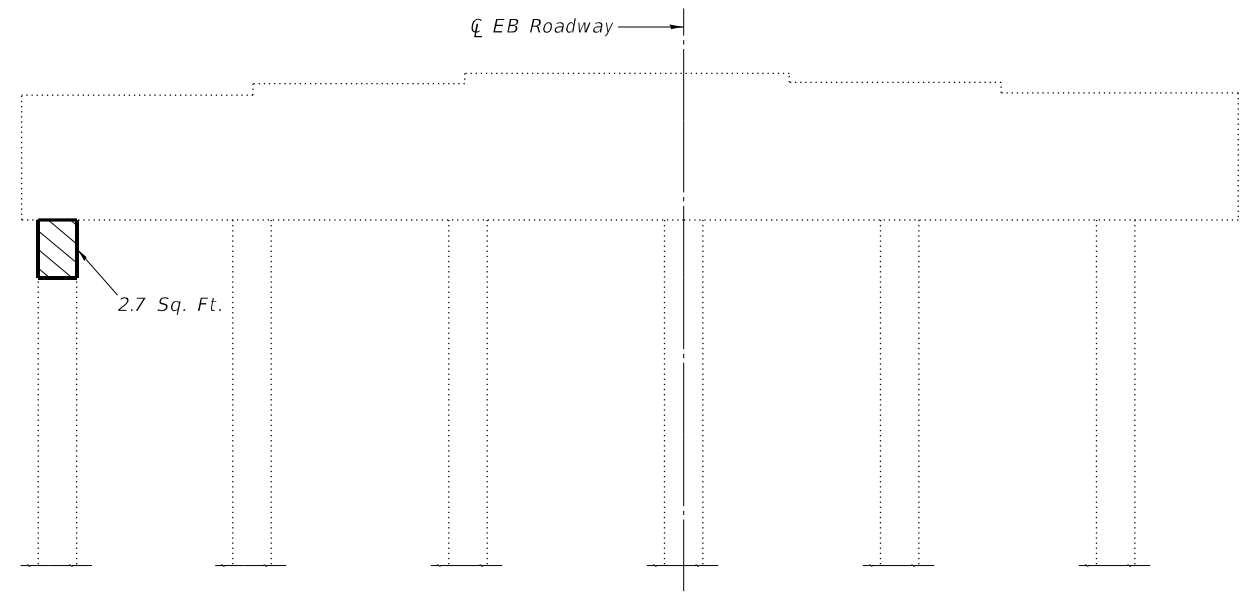
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	51
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	



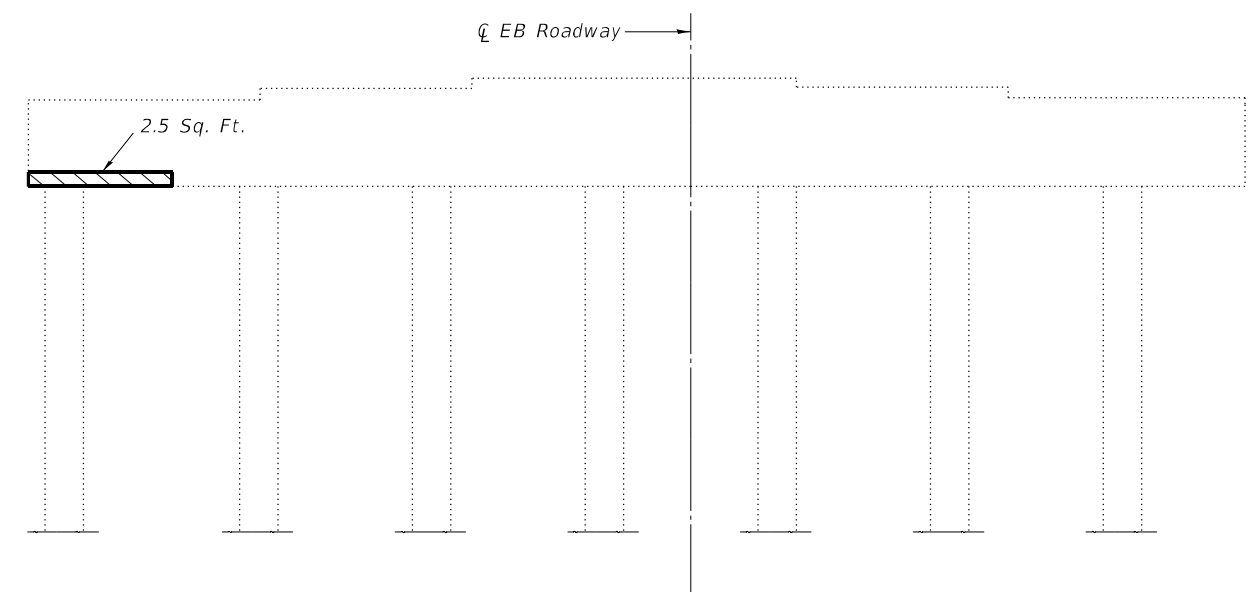
PIER 5
Looking West



PIER 9
Looking East

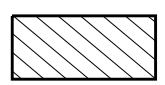


PIER 10
Looking West



PIER 11
Looking West

LEGEND



Hatched area indicates limits of Structural Repairs.

DATE OF SURVEY: 1-8-2021
SURVEY BY: DPM
METHOD OF SURVEY: VISUAL

BILL OF MATERIAL - THIS SHEET

Item	Unit	Total
Structural Repair of Concrete, ≤ 5 inches	Sq. Ft.	12.2

MODEL: D:\p\h\l
FILE NAME: 026-0019-74998-13-15-PierRepairs.dgn

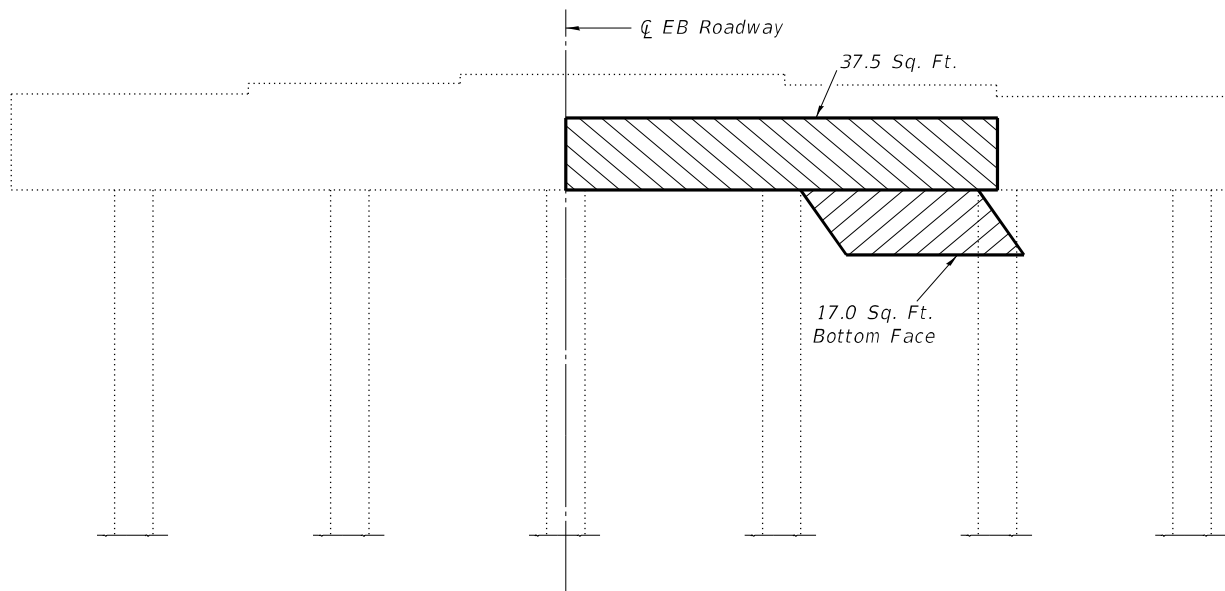
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	DRAWN - T. Walk	REVISED -
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PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

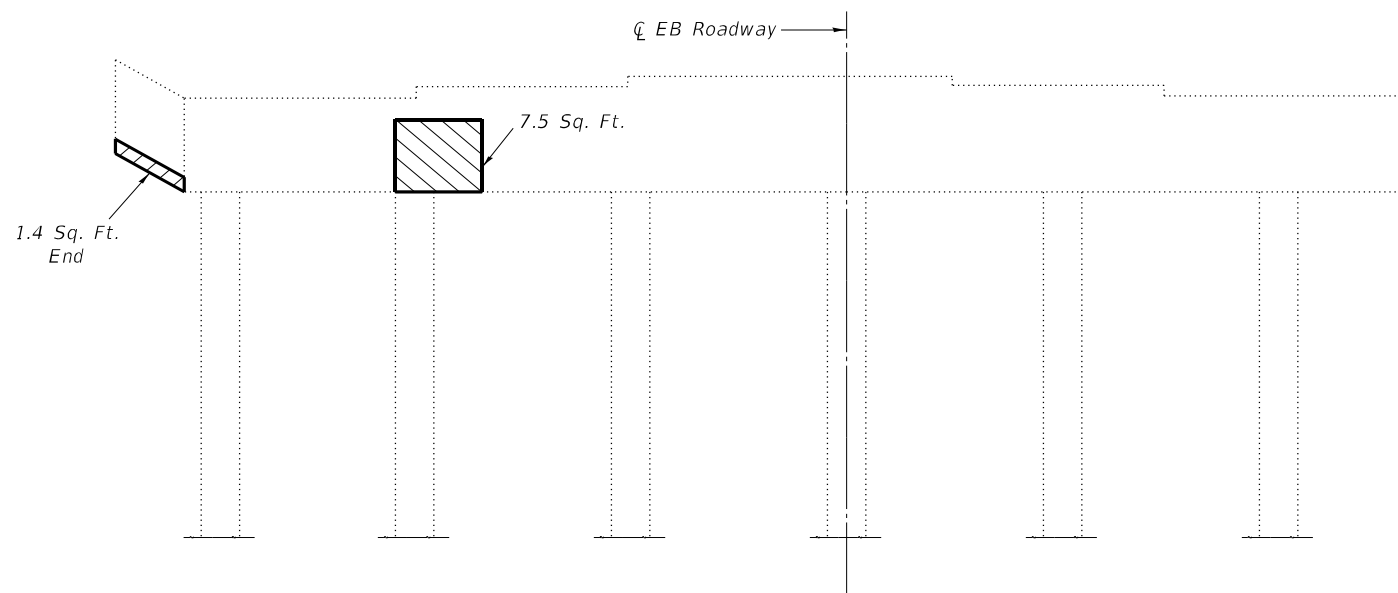
**PIER REPAIRS
S.N. 026-0019**

SCALE: SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	52
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



PIER 13
Looking East



PIER 13
Looking West

LEGEND



Hatched area indicates limits of Structural Repairs.

DATE OF SURVEY: 1-8-2021
SURVEY BY: DPM
METHOD OF SURVEY: VISUAL

BILL OF MATERIAL - THIS SHEET

Item	Unit	Total
Structural Repair of Concrete, ≤ 5 inches	Sq. Ft.	63.4

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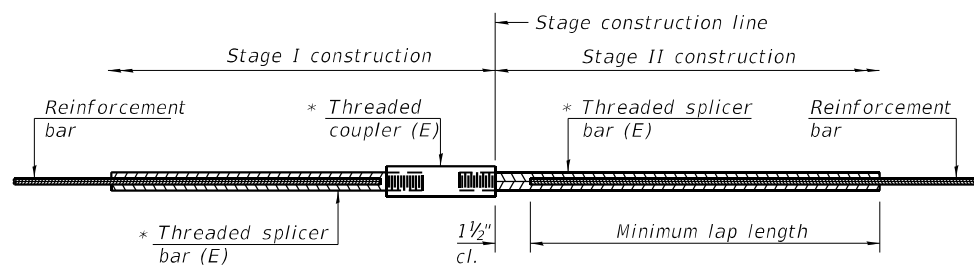
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	DRAWN - T. Walk	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIRS
S.N. 026-0019

SCALE: SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	53
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	

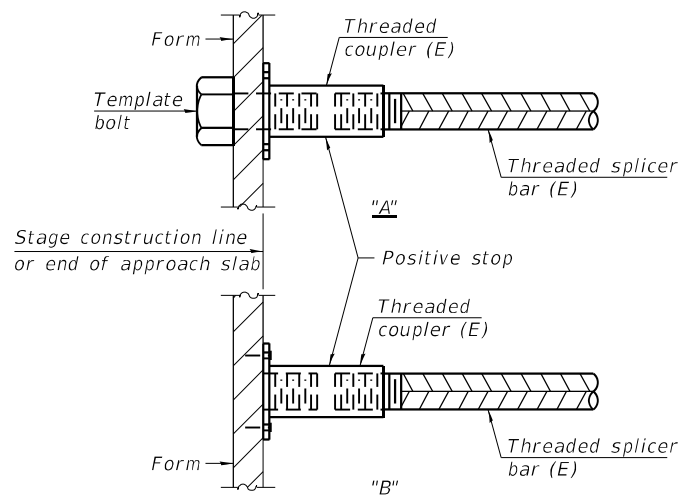


STANDARD BAR SPLICER ASSEMBLY

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

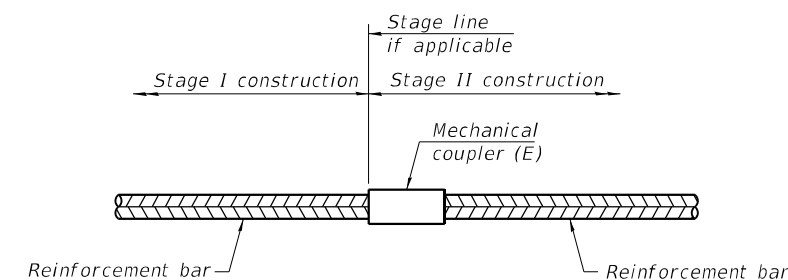
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length



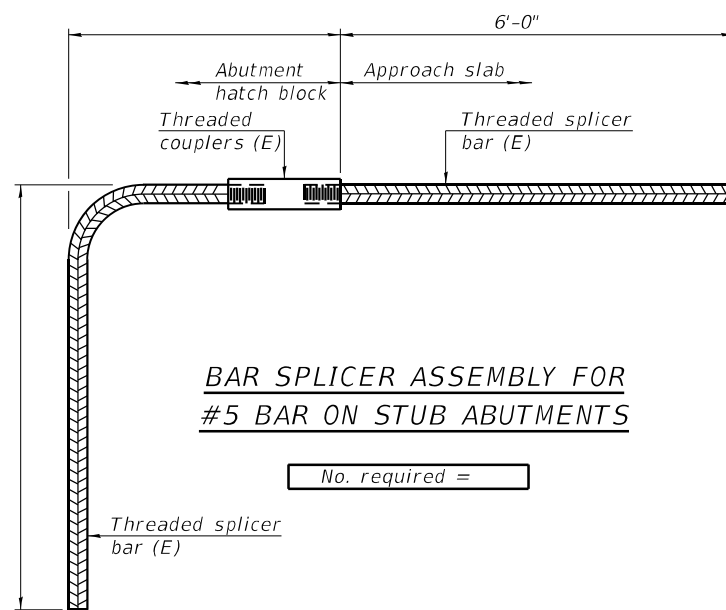
INSTALLATION AND SETTING METHODS

"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
Parapet	#5	54



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

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: Default
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BSD-1

2-17-2017



NO. = 2480.7	DESIGNED , AAN	REVISED ,
FILE NAME = 026-0019-74998-16-Splicer.dgn	CHECKED , MDC	REVISED ,
PLCT DATE = 5/24/2022	DRAWN , SJS	REVISED ,
	CHECKED , MDC	REVISED ,

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 026-0019 (EB)

SHEET 15 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	54
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

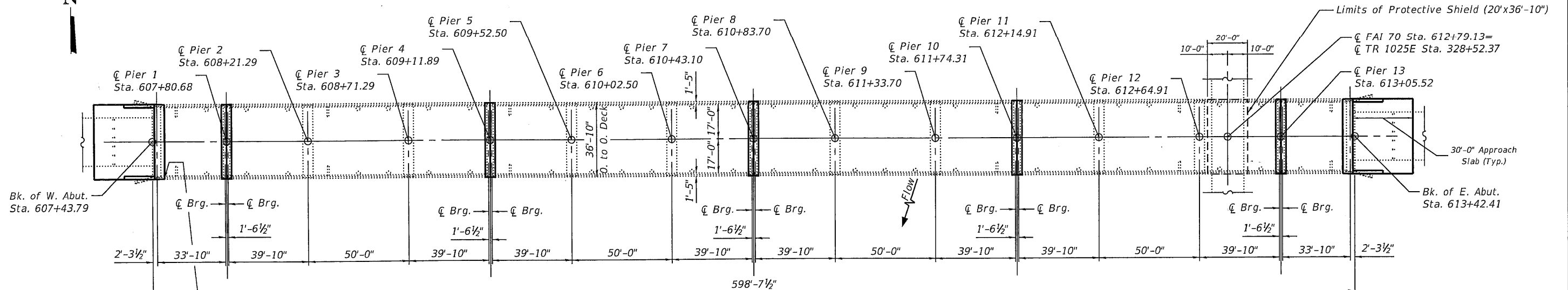
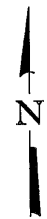
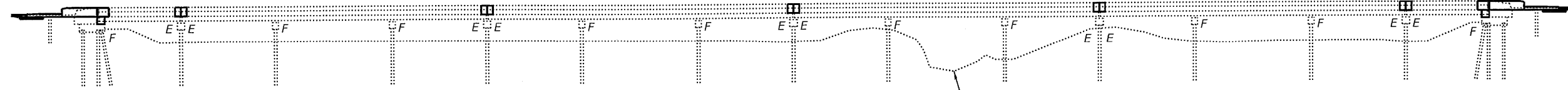
Existing Structure: S.N. 026-0020 was originally built in 1964, and widened in 1986. In 1997 the structure received a concrete overlay, steel repairs and the joints and bearings at expansion piers were replaced. The structure is a 14-span bridge with a reinforced concrete deck on wide flange beams supported by pile bent piers and abutments. The existing structure is 598'-7½" back to back of abutments. The width is 34'-0" face to face of parapets and 36'-10" out to out of deck. New overlay, joint replacement, abutment reconstruction, new approach slab and other repairs to be completed utilizing crossovers.

SCOPE OF WORK

1. Close bridge to traffic using crossovers.
2. Perform structural repair of concrete at pier bents.
3. Perform bridge deck scarification of bridge deck.
4. Remove portion of bridge deck and existing expansion joints at Piers.
5. Remove portion of bridge deck and existing approach pavements at Abutments.
6. Remove abutment back walls and partially remove existing wingwalls.
7. Perform full-depth patching of bridge deck.
8. Reconstruct bridge deck at Piers and install new expansion joints.
9. Reconstruct bridge deck at abutments and convert abutments to integral.
10. Place concrete overlay.
11. Construct approach slabs.
12. Diamond grind bridge deck and approaches.

INDEX OF SHEETS

1. General Plan & Elevation
2. General Data
3. Stage Construction Details
4. Temporary Concrete Barrier
- 5-8. Bridge Deck Patching
- 9-12. Superstructure Details
13. Preformed Joint Strip Seal
- 14-15. Bridge Approach Slab Details
16. Abutment Concrete Removal
17. Abutment Details
- 18-20. Pier Repairs



Existing Name Plate to be removed, cleaned and reinstalled. Cost included in Concrete Removal.

DESIGN STRESSES

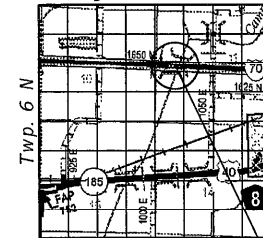
FIELD UNITS (New Construction)

f'c = 4,000 psi (Superstructure)
 f'c = 3,500 psi (Substructure)
 fy = 60,000 psi (Reinforcement)

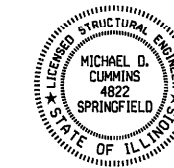
FIELD UNITS (Existing Construction)

f'c = 1,400 psi
 fs = 20,000 psi
 fs = 24,000 psi (1986)

Range 1 E, 3rd P.M.



Proposed Repairs
LOCATION SKETCH



Michael D. Cummins
 5-26-22
 (Expires 11/30/22)

**GENERAL PLAN AND ELEVATION
 F.A.I. ROUTE 70 (WB)
 OVER CAMP CREEK
 SECTION D7 BRIDGE REPAIRS 2022-04
 FAYETTE COUNTY
 STA 610+43.10
 STRUCTURE NO. 026-0020**

MODEL: Default
 FILE NAME: 026-0020-74998-01-02-GPE.dgn



JOB #	2480.7	DESIGNED	AAN	REVISED	
FILE NAME	026-0020-74998-01-02-GPE.dgn	CHECKED	MDC	REVISED	
PLOT DATE	5/24/2022	DRAWN	SJS	REVISED	
		CHECKED	MDC	REVISED	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 026-0020 (WB)**

SHEET 1 OF 20 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	55
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans 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.

Up to 1/4 inch may be ground off the bridge deck and approach slabs.

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

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. 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 included in the pay item covering removal of the existing concrete.

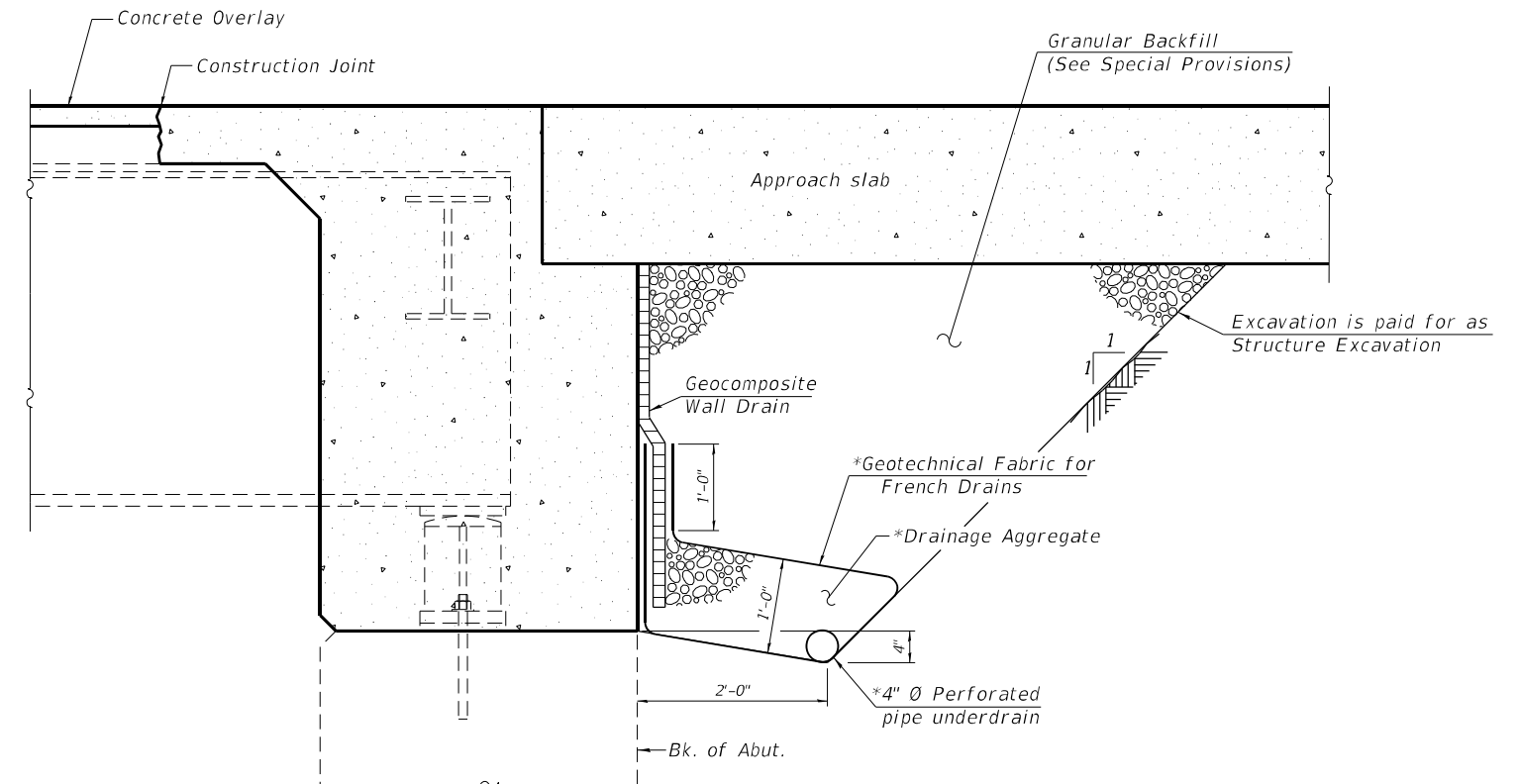
The Name Plate is currently attached to a section of the concrete wingwall that will be removed. The Name Plate shall be removed, cleaned and reinstalled at the same location in the new parapet. This work and all materials shall be included in the price of Concrete Removal.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

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 operations shall be replaced using an approved bar splicer or anchorage system. Cost included in Concrete Removal.

Protective Coat shall be applied to concrete wearing surface and new concrete at parapets and joints.

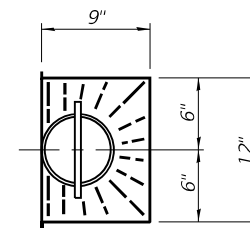
Full depth deck slab repairs performed in the exterior bays of the bridge deck (between the parapet walls and the first interior beams) shall be limited to individual lengths no greater than 10'. In these portions of the deck, repair areas longer than 10' shall be divided into segments not greater than 10' in length, and the segments shall be poured in alternating sequence. Subsequent segments repaired in sequence shall not be removed until 72 hours shall have elapsed from the end of the previous, adjacent pour, and the adjacent pour shall have attained a minimum modulus of rupture of 650psi.



SECTION THRU INTEGRAL ABUTMENT
 (Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.
 (See Special Provisions)

Note:
 All drainage system components shall be installed along back face of abutment only. A hole shall be cored thru the existing wing walls and the outlet pipe shall extend 1'-0" beyond the outside face of the wing. The location of the outlet pipe shall be such that it drains on top of the concrete slopewall.



PLAN AT FLOOR DRAIN

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	70.3
Protective Shield	Sq. Yd.	82
Structure Excavation	Cu. Yd.	26
Concrete Structures	Cu. Yd.	22.0
Concrete Superstructure	Cu. Yd.	103.8
Protective Coat	Sq. Yd.	2438
Concrete Superstructure (Approach Slab)	Cu. Yd.	103.6
Reinforcement Bars, Epoxy Coated	Pound	53,140
Preformed Joint Strip Seal	Foot	180
Granular Backfill for Structures	Cu. Yd.	26
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1735
Bridge Deck Fly Ash or GGBF Slag	Sq. Yd.	2117
Concrete Overlay, 2 1/2"		
Bridge Deck Scarification 2 1/2"	Sq. Yd.	2117
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	146
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	15
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	77
Diamond Grinding (Bridge Section)	Sq. Yd.	2856
Geocomposite Wall Drain	Sq. Yd.	23
Pipe Underdrains for Structures, 4"	Foot	75

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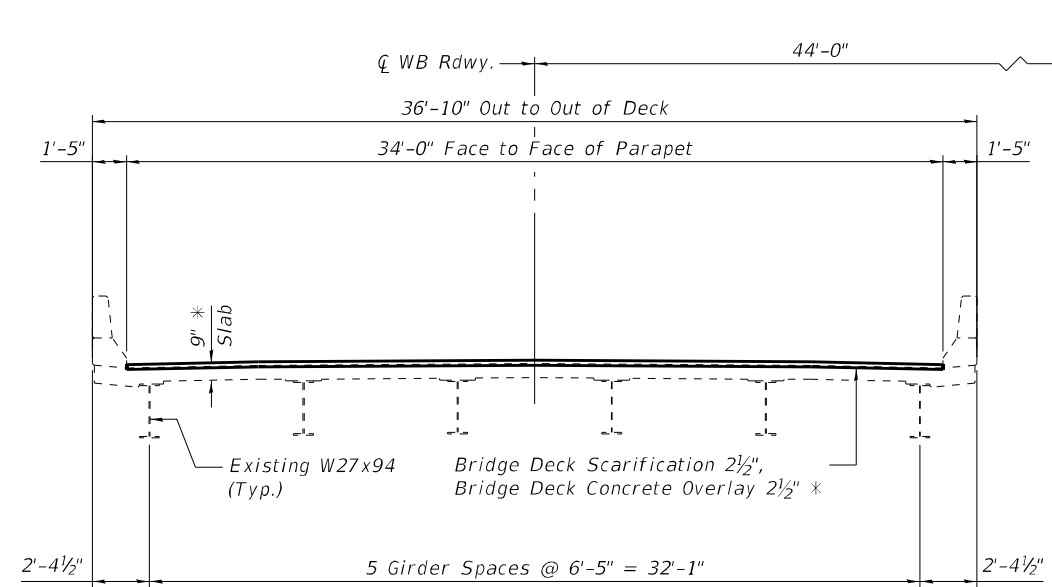
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PLCOT DATE = 5/24/2022	DRAWN , SJS	REVISED ,
	CHECKED , MDC	REVISED ,

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

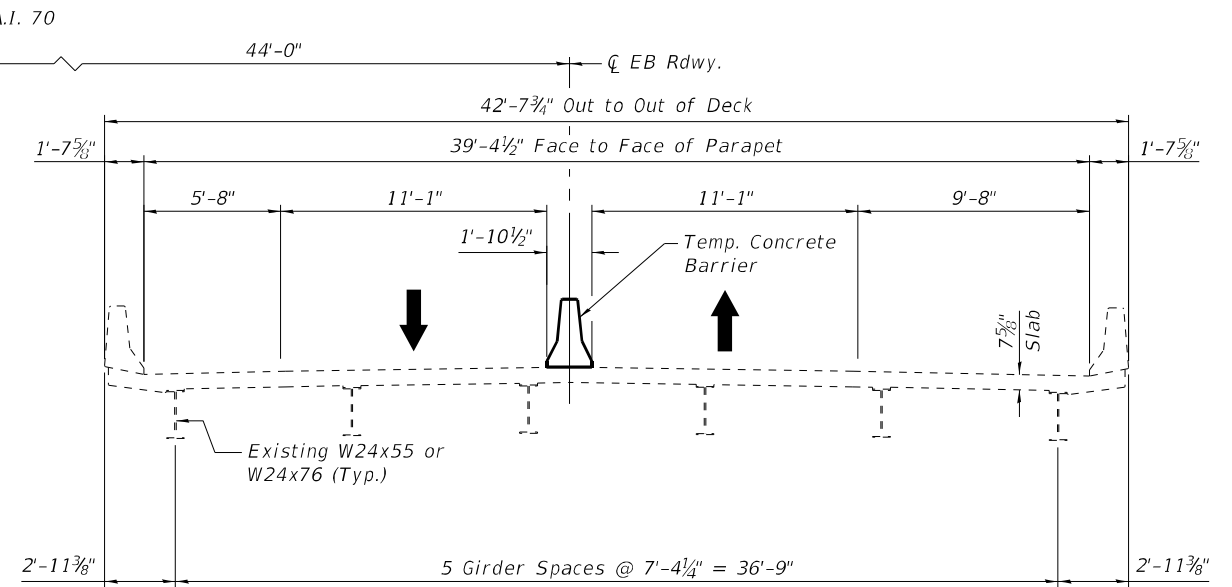
**GENERAL DATA
 STRUCTURE NO. 026-0020 (WB)**

SHEET 2 OF 20 SHEETS

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	56
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



SN 026-0020
(Looking East)



SN 026-0019
(Looking East)

Traffic to be maintained head to head on
S.N. 026-0019 during repairs to S.N 026-0020.
See roadway plans for staging details.

* Prior to 1/4" Grinding

MODEL: Default
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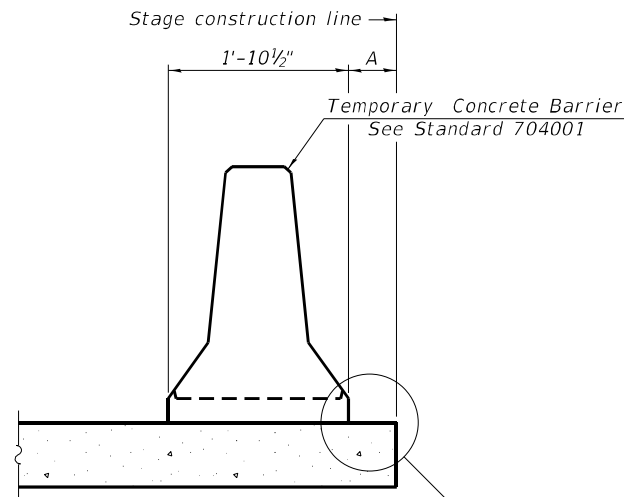
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 026-0020 (WB)

SHEET 3 OF 20 SHEETS

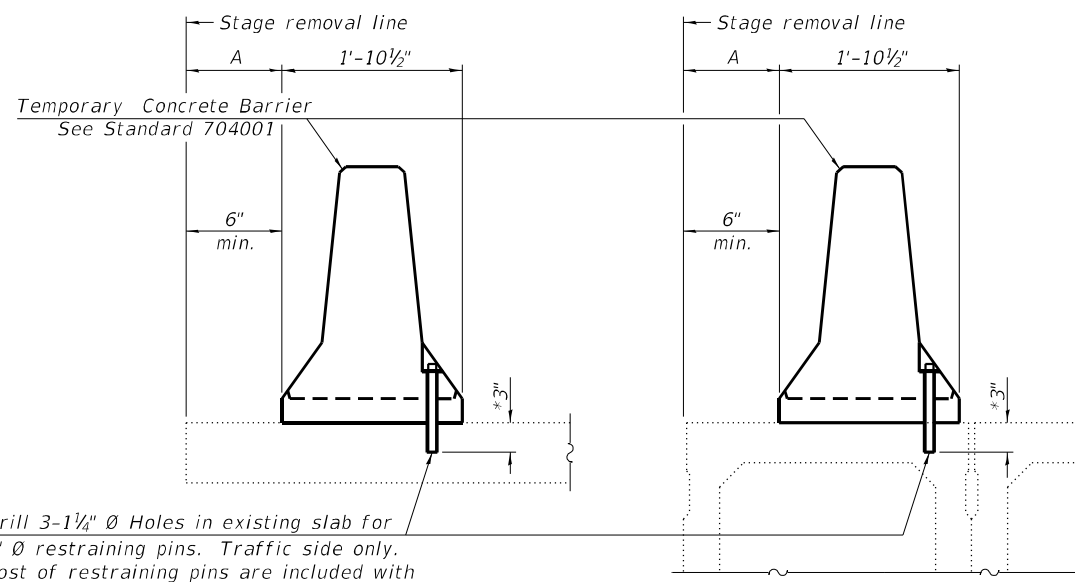
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	57
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 74998



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

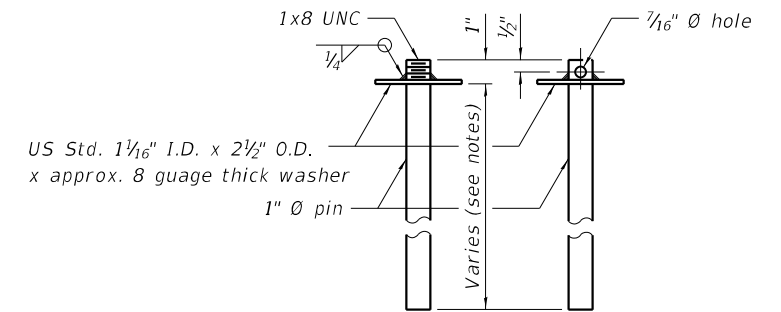


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

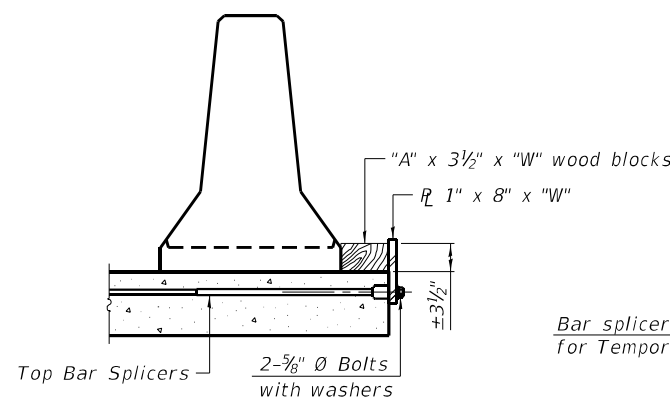
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM



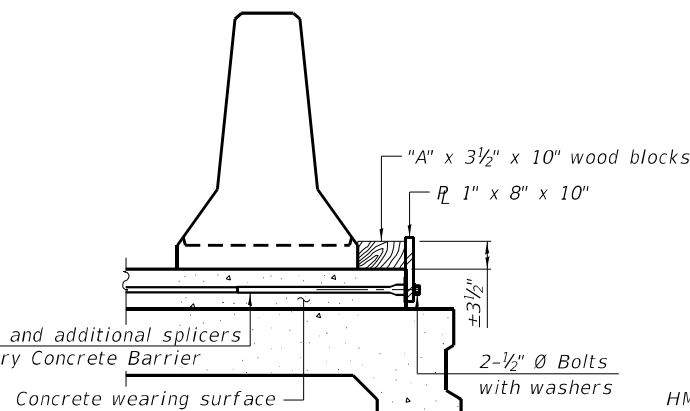
RESTRAINING PIN

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

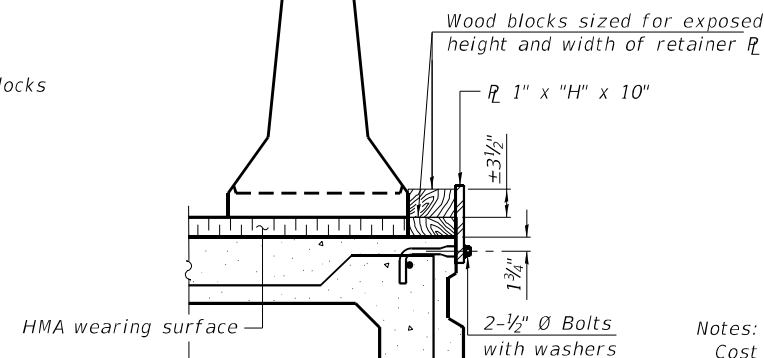


DETAIL I

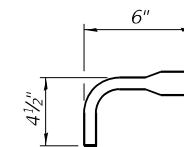
Bar splicers and additional splicers for Temporary Concrete Barrier



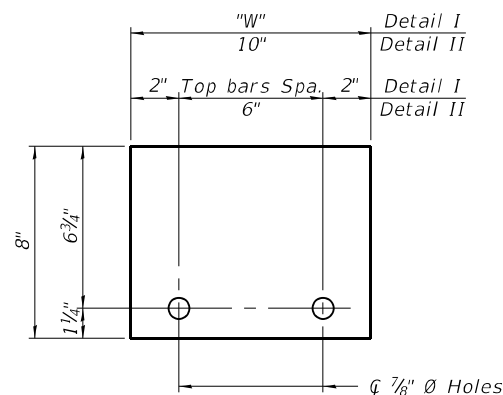
DETAIL II



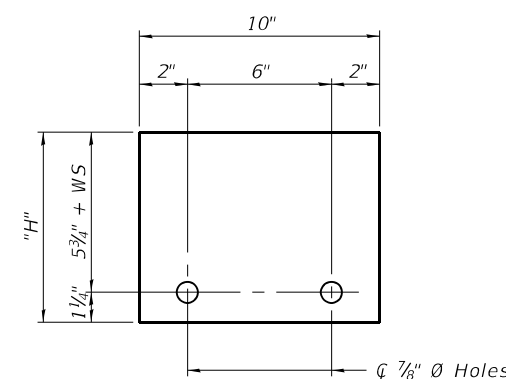
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"
(Detail III)

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier. A retainer assembly shall be located at the approximate C of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

MODEL: Default
FILE NAME: 026-0020-74998-04-Barrier.dgn

R-27

2-17-2017

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

NO. = 2480.7
FILE NAME = 026-0020-74998-04-Barrier.dgn
PLOT DATE = 5/24/2022

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CHECKED , MDC
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REVISED ,

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

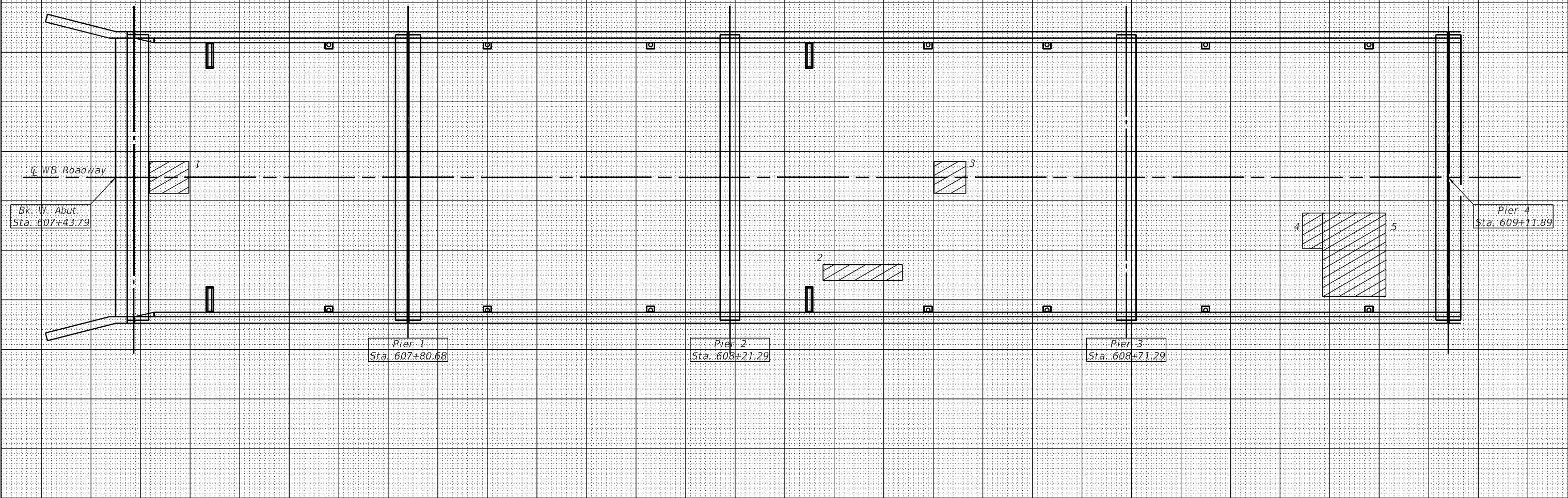
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 026-0020 (WB)

SHEET 4 OF 20 SHEETS

F.A.I. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	58
CONTRACT NO. 74998				

ILLINOIS FED. AID PROJECT

026-0020 Bk. West Abutment to Pier 4



PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
1	5.0	4.0		2.2
2	10.0	2.0		2.2
3	4.0	4.0		1.8
4	2.5	4.5		1.3
5	8.0	10.5		9.3
TOTALS			* 4.0	16.8

* Estimate 1.0 SQ YD additional DECK SLAB REPAIR (FULL DEPTH, TYPE I) per span to account for smaller patches not found during survey.

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 11-25-2020
 SURVEY BY: DLK
 METHOD OF SURVEY: VISUAL

ESTIMATED PAY QUANTITIES
 DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 4.0 SQ YD
 DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 16.8 SQ YD

MODEL: Default
 FILE NAME: 026-0020-74998-05-08-DeckRepair.dgn

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	DRAWN - T. Walk	REVISED -
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PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

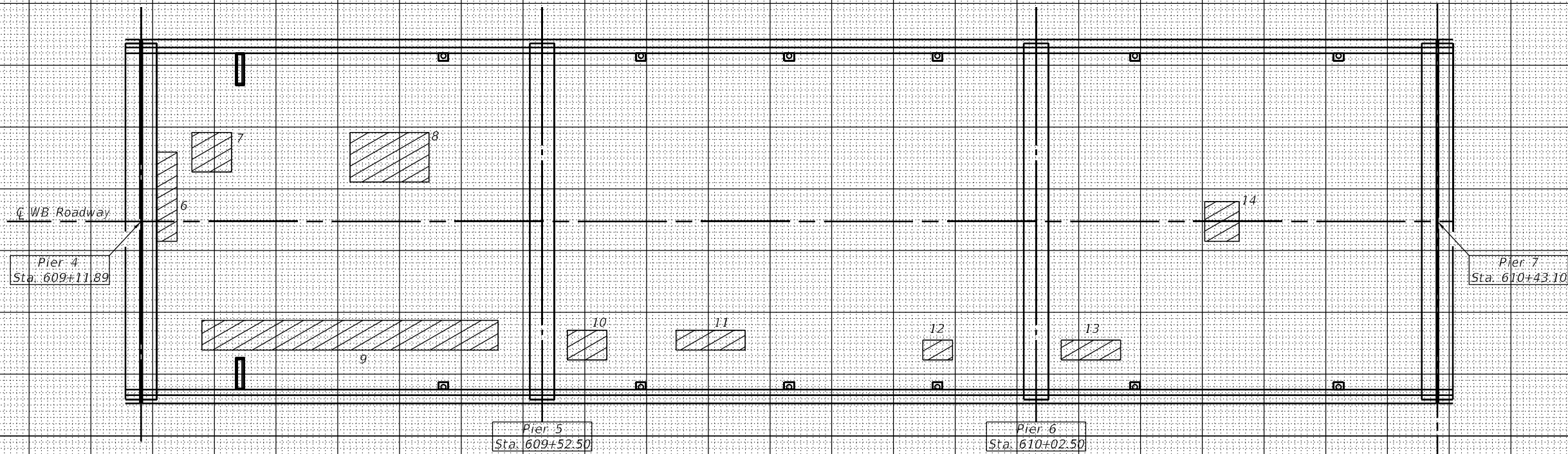
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING, SN. 026-0020
 WEST ABUTMENT TO PIER 4

SCALE: SHEET 5 OF 20 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	59
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

026-0020 Pier 4 to Pier 7



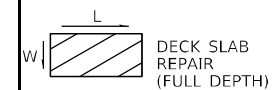
PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
6	3.0	9.0		3.0
7	4.0	4.0		1.8
8	8.0	5.0		4.4
9	30.0	3.0		10.0
10	4.0	3.0		1.3
11	7.0	2.0		1.6
12	3.0	2.0		0.7
13	6.0	3.0		2.0
14	3.5	4.0		1.6
TOTALS			* 3.0	26.4

* Estimate 1.0 SQ YD additional DECK SLAB REPAIR (FULL DEPTH, TYPE I) per span to account for smaller patches not found during survey.

ESTIMATED PAY QUANTITIES

DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 3.0 SQ YD
 DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 26.4 SQ YD

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 11-25-2020
 SURVEY BY: DLK
 METHOD OF SURVEY: VISUAL

MODEL: Default
 FILE NAME: 026-0020-74998-05-06-DeckRepair.dgn

USER NAME = default	DESIGNED - T. Walk	REVISED -
	DRAWN - T. Walk	REVISED -
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PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

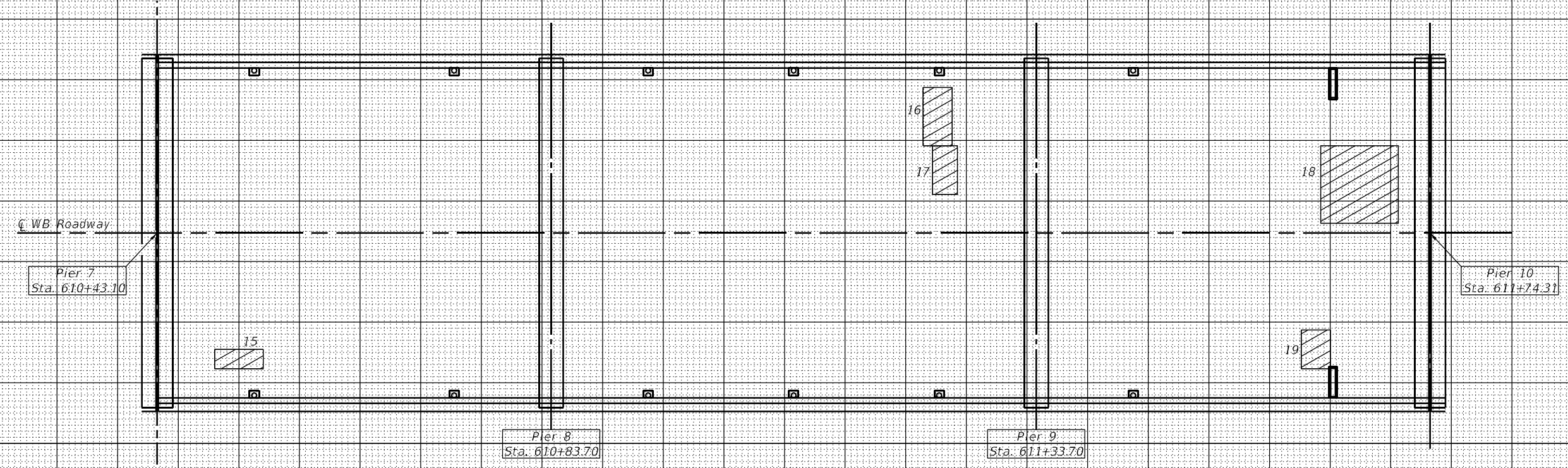
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING, SN. 026-0020
 PIER 4 TO PIER 7

SCALE: SHEET 6 OF 20 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	60
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

026-0020 Pier 7 to Pier 10



PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
15	5.0	2.0		1.1
16	3.0	7.0		2.3
17	2.5	5.0		1.4
18	8.0	8.0		7.1
19	3.0	4.0		1.3
TOTALS			* 3.0	13.3

* Estimate 1.0 SQ YD additional DECK SLAB REPAIR (FULL DEPTH, TYPE I) per span to account for smaller patches not found during survey.

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 11-25-2020
 SURVEY BY: DLK
 METHOD OF SURVEY: VISUAL

ESTIMATED PAY QUANTITIES
 DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 3.0 SQ YD
 DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 13.3 SQ YD

MODEL: Default
 FILE NAME: 026-0020-74998-05-06-DeckRepair.dgn

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	DRAWN - T. Walk	REVISED -
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PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

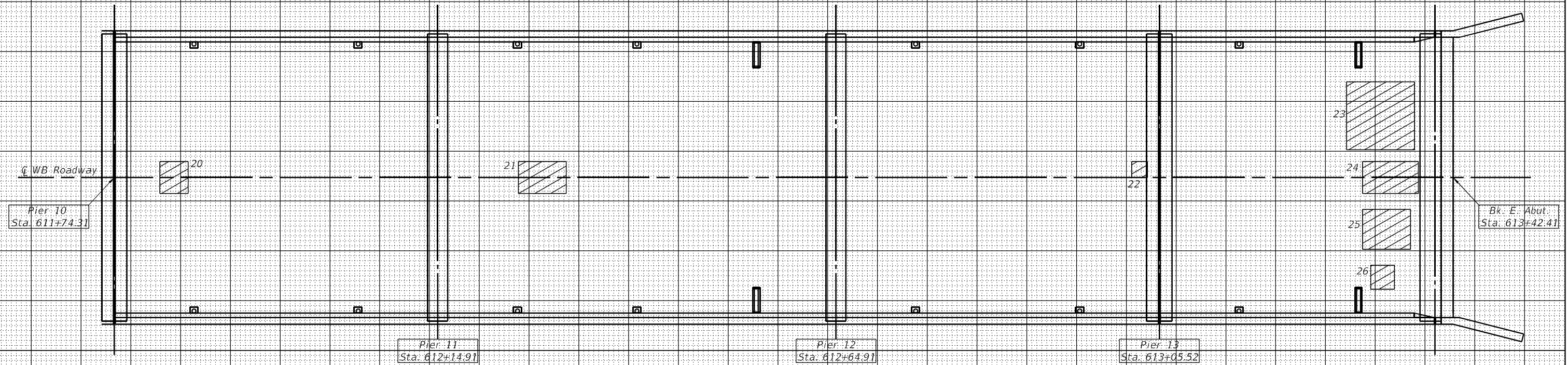
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE DECK PATCHING, SN. 026-0020
 PIER 7 TO PIER 10**

SCALE: SHEET 7 OF 20 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	61
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

026-0020 Pier 10 to Bk. East Abutment



PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
20	3.5	4.0		1.6
21	6.0	4.0		2.7
22	2.0	2.0	0.5	
23	8.5	8.5		8.0
24	7.0	4.0		3.1
25	6.0	5.0		3.3
26	3.0	3.0		1.0
TOTALS			* 4.5	19.7

* Estimate 1.0 SQ YD additional DECK SLAB REPAIR (FULL DEPTH, TYPE I) per span to account for smaller patches not found during survey.

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 11-25-2020
 SURVEY BY: DLK
 METHOD OF SURVEY: VISUAL

ESTIMATED PAY QUANTITIES
 DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 4.5 SQ YD
 DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 19.7 SQ YD

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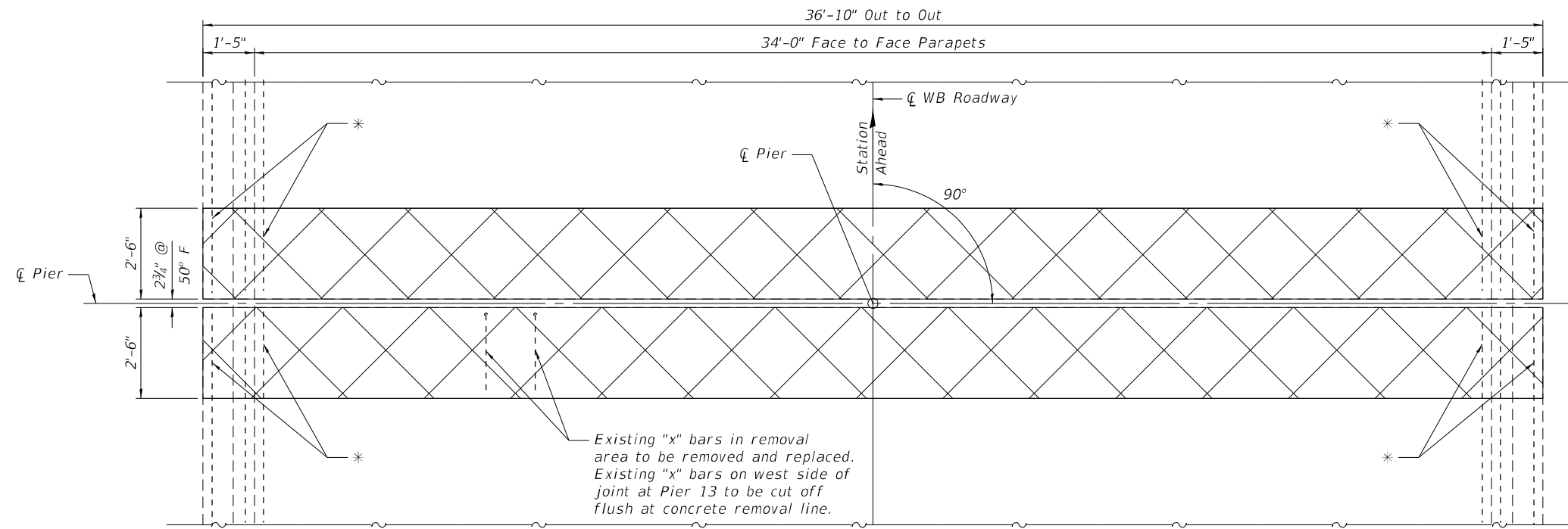
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PLOT DATE = 5/24/2022	CHECKED - D. Macklin	REVISED -
	DATE - Feb, 2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING, SN. 026-0020
 PIER 10 TO EAST ABUTMENT

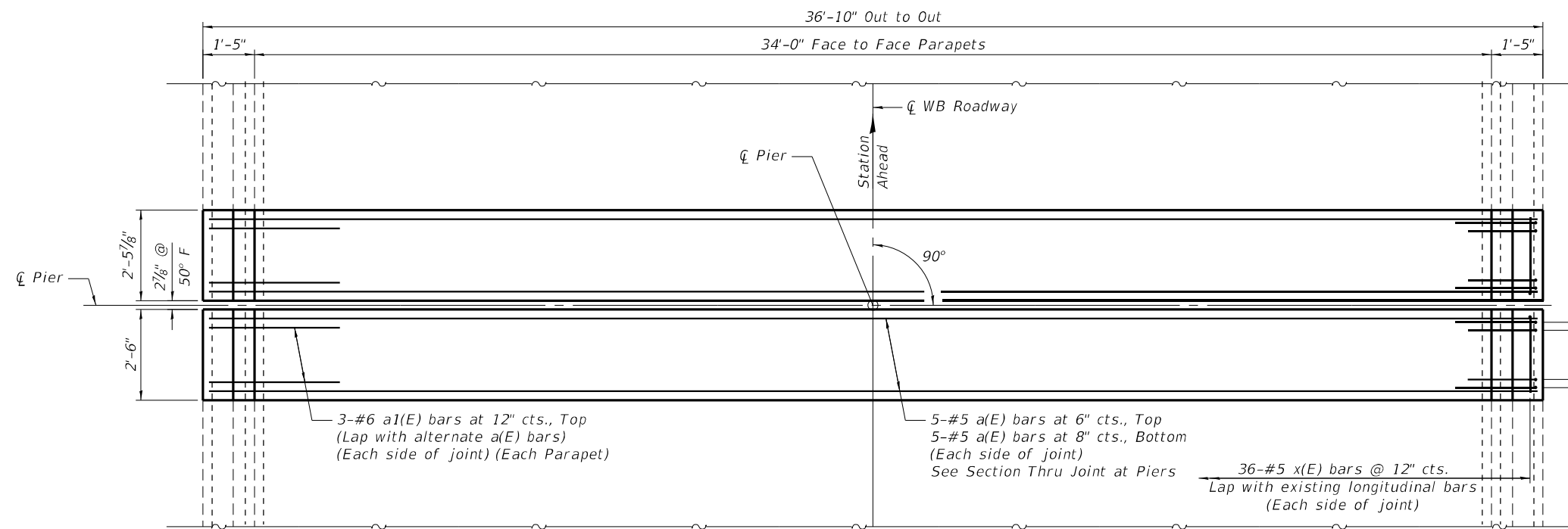
SCALE: SHEET 8 OF 20 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	62
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



EXISTING PLAN AT EXPANSION JOINT
PIERS 1,4,7,10 & 13
 (Showing Bridge Deck and Parapet Removal)

* Existing longitudinal reinforcement extending into removal area shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.



PROPOSED PLAN AT EXPANSION JOINT
PIERS 1,4,7,10 & 13
 (Showing Bridge Deck and Parapet Reinforcement)

Notes:
 Cross-hatched area indicates limits of Concrete Removal.
 See Sheet 12 of 20 for Section Thru Parapet, reinforcement details and Superstructure Bill of Material.

(Sheet 1 of 4)

MODEL: Default
 FILE NAME: 026-0020-74998-09&12-JointRepairs.dgn



PROJECT NO.	2480.7
FILE NAME	026-0020-74998-09&12-JointRepairs.dgn
PLLOT DATE	5/24/2022

DESIGNED	AAN
CHECKED	MDC
DRAWN	SJS
CHECKED	MDC

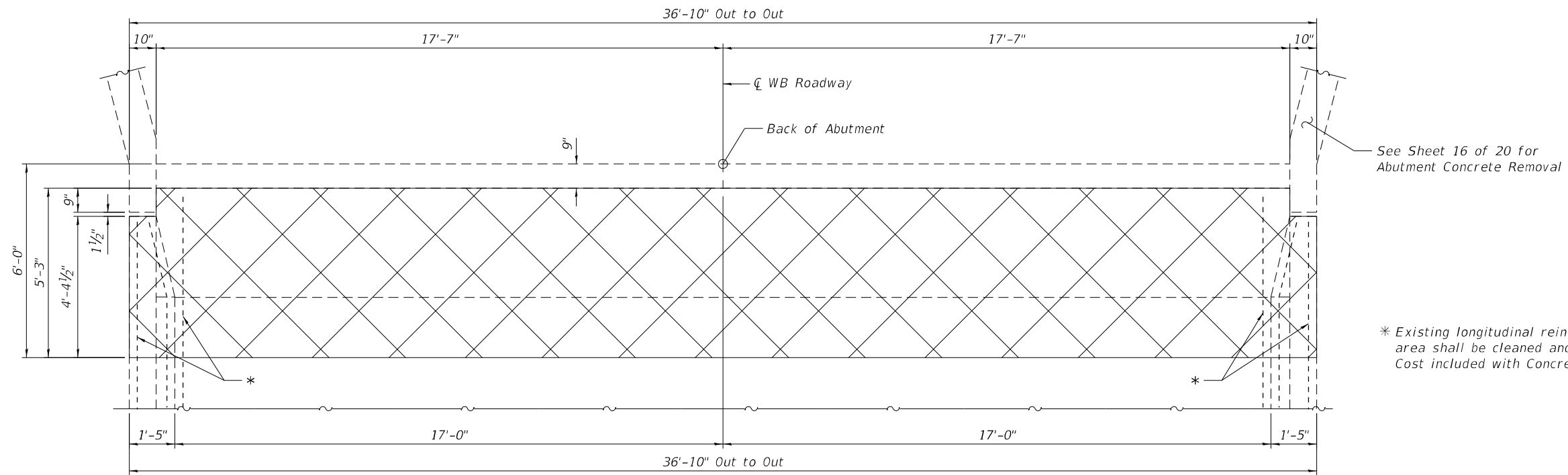
REVISED	
REVISED	
REVISED	
REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

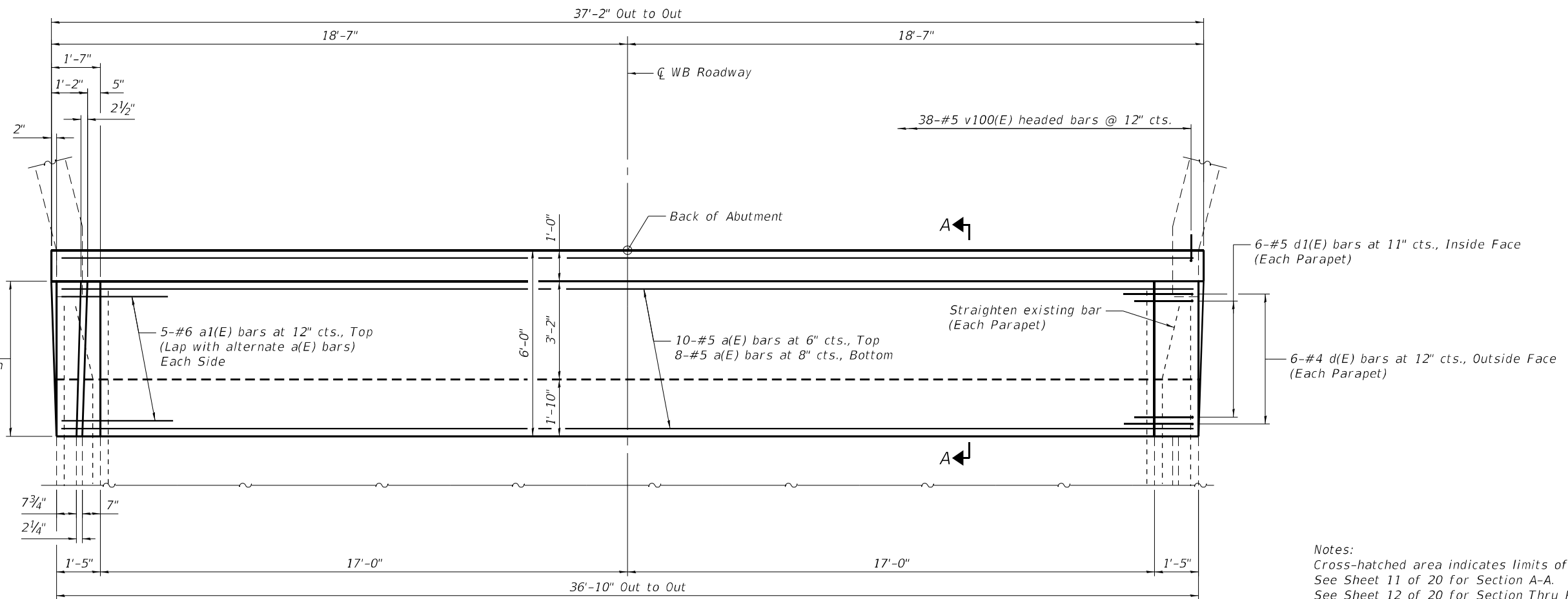
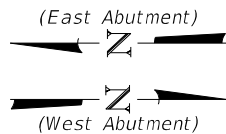
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 026-0020 (WB)

SHEET 9 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	63
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



EXISTING PLAN AT ABUTMENTS
(Showing Bridge Deck and Parapet Removal)



PROPOSED PLAN AT ABUTMENTS
(Showing Proposed Bridge Deck and Parapet Reinforcement)

Notes:
Cross-hatched area indicates limits of Concrete Removal.
See Sheet 11 of 20 for Section A-A.
See Sheet 12 of 20 for Section Thru Parapet, reinforcement details and Superstructure Bill of Material.

(Sheet 2 of 4)

MODEL: Default
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FILE NAME	= 026-0020-74998-10&11-IntegAbut.dgn
PLLOT DATE	= 5/24/2022

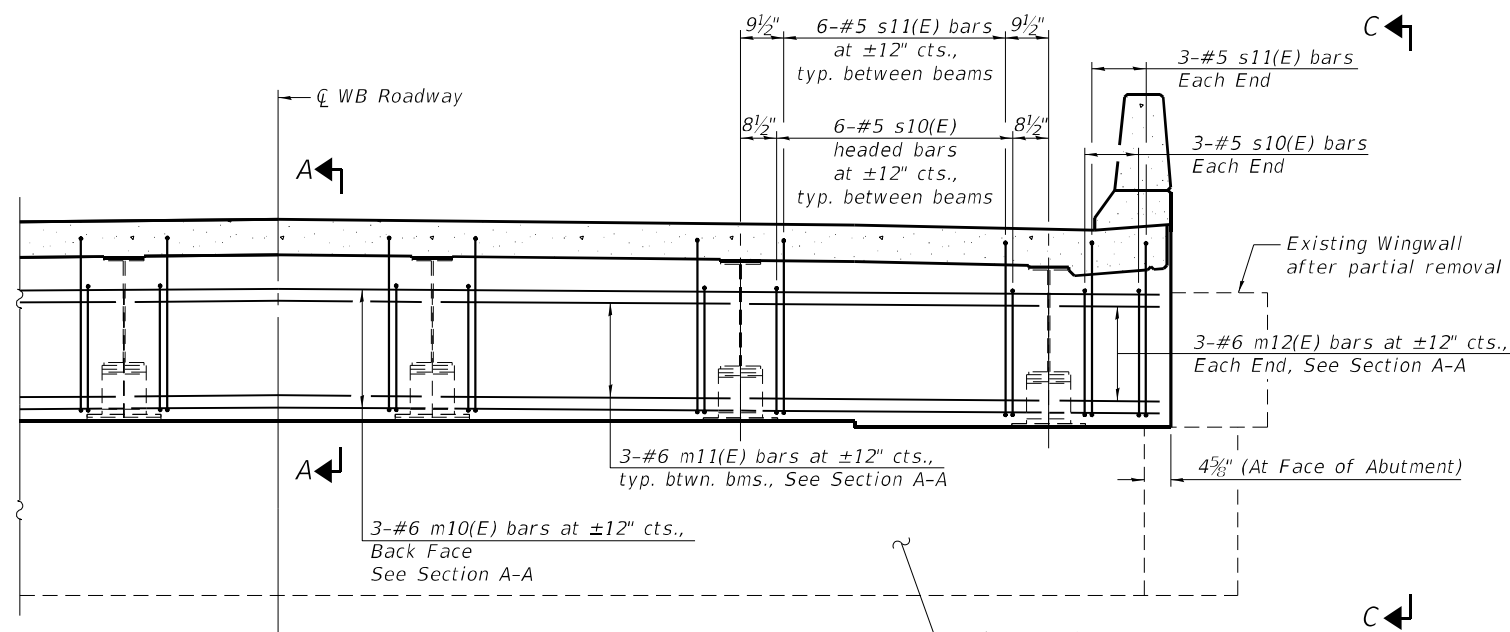
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DRAWN	SJS	REVISED	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

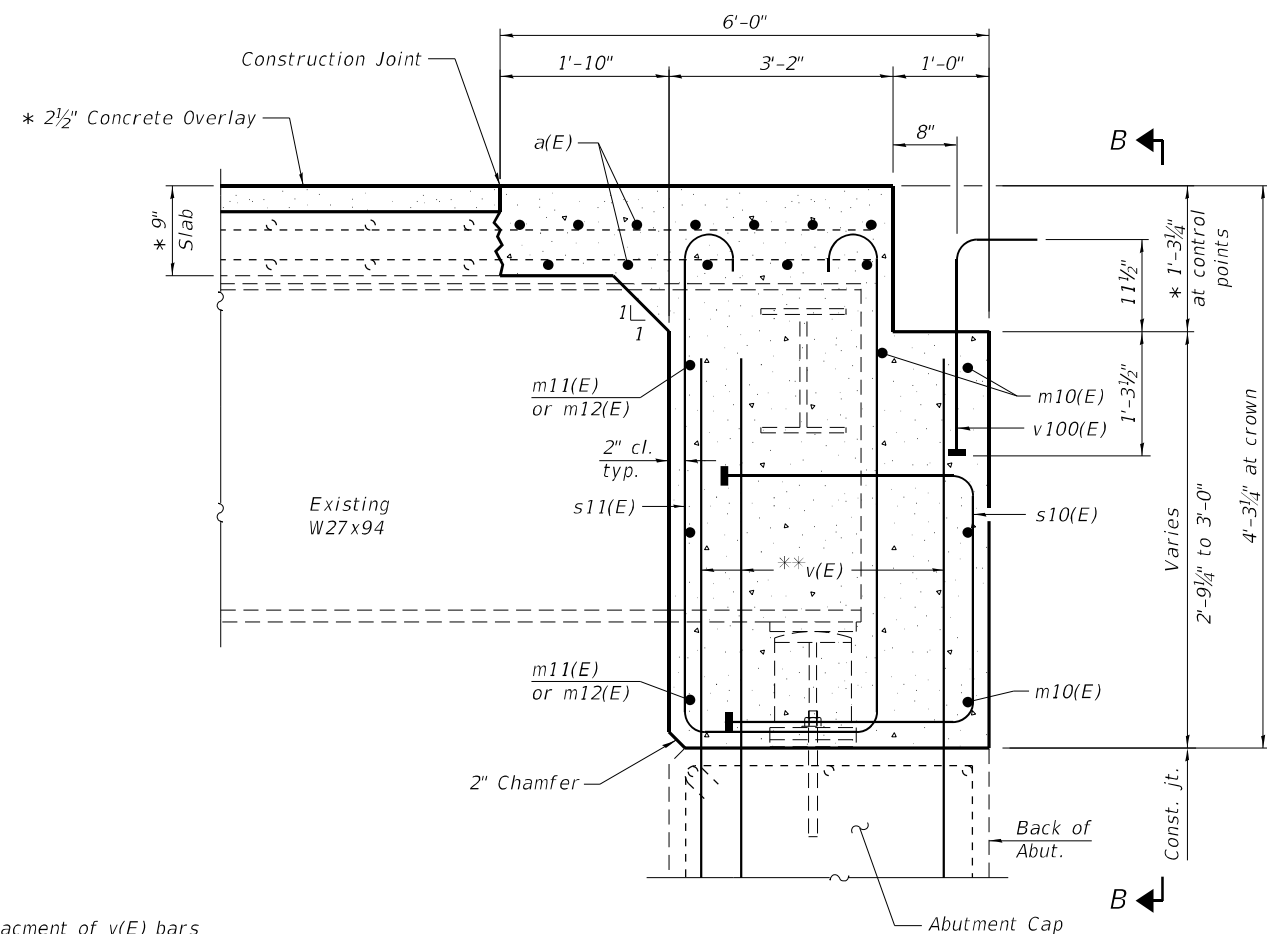
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 026-0020 (WB)

SHEET 10 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

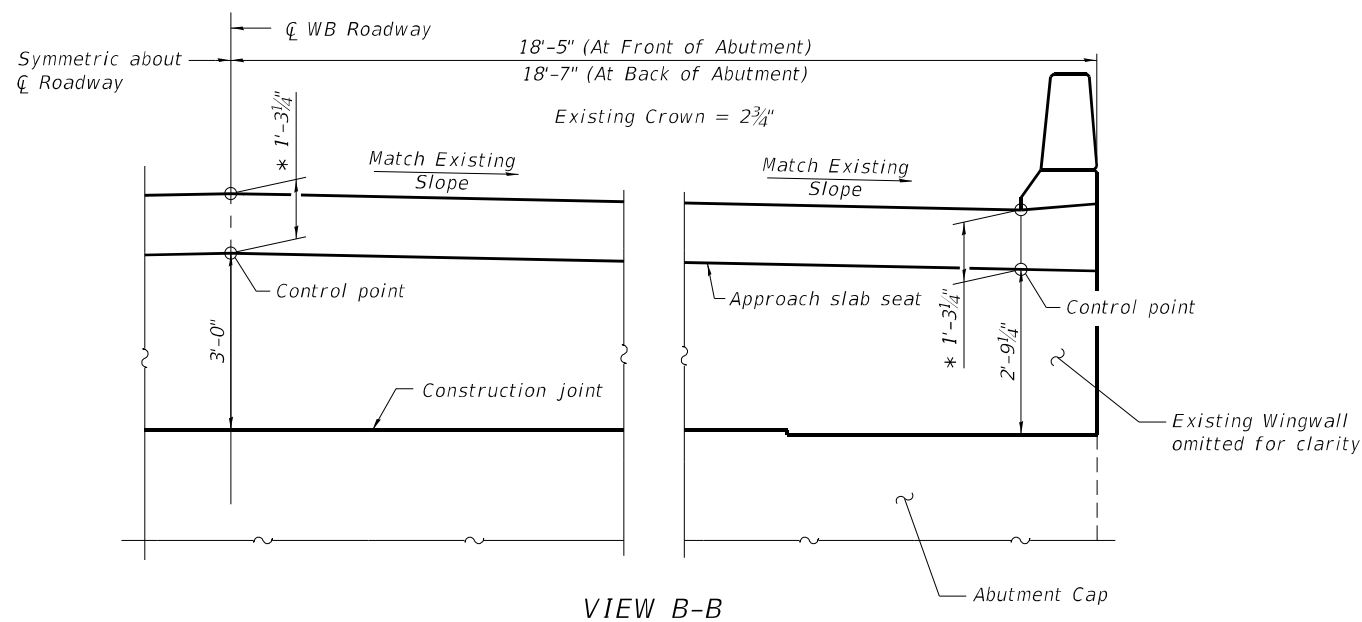


ELEVATION AT ABUTMENT

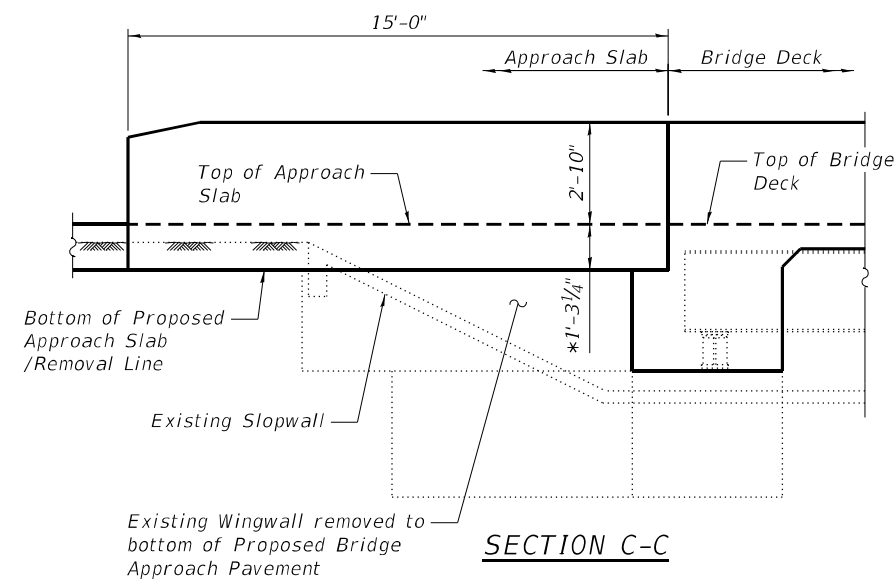


**SECTION A-A
SECTION THRU BRIDGE DECK (PROPOSED)
AT ABUTMENT**

* Prior to Grinding
** See Sheet 17 of 20 for placement of v(E) bars



VIEW B-B



SECTION C-C

Notes:
See sheet 12 of 20 for superstructure details and Bill of Material.
The approach slab seat shall have a constant slope determined from the control points shown.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

(Sheet 3 of 4)

MODEL: Default
FILE NAME: 026-0020-74998-10&11-IntegAbut.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

PROJECT NO.	2480.7
FILE NAME	= 026-0020-74998-10&11-IntegAbut.dgn
PLCOT DATE	= 5/24/2022

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DRAWN	SJS	REVISED	
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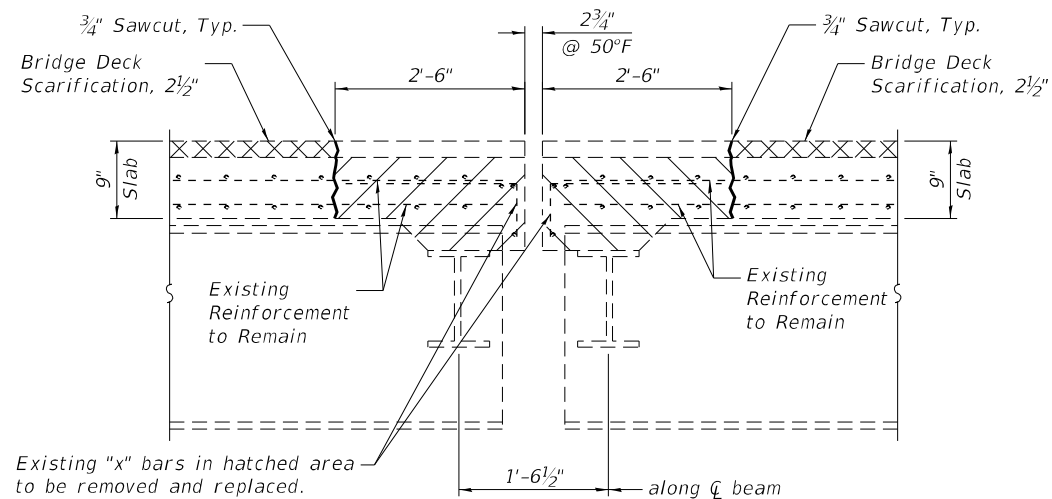
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 026-0020 (WB)**

SHEET 11 OF 20 SHEETS

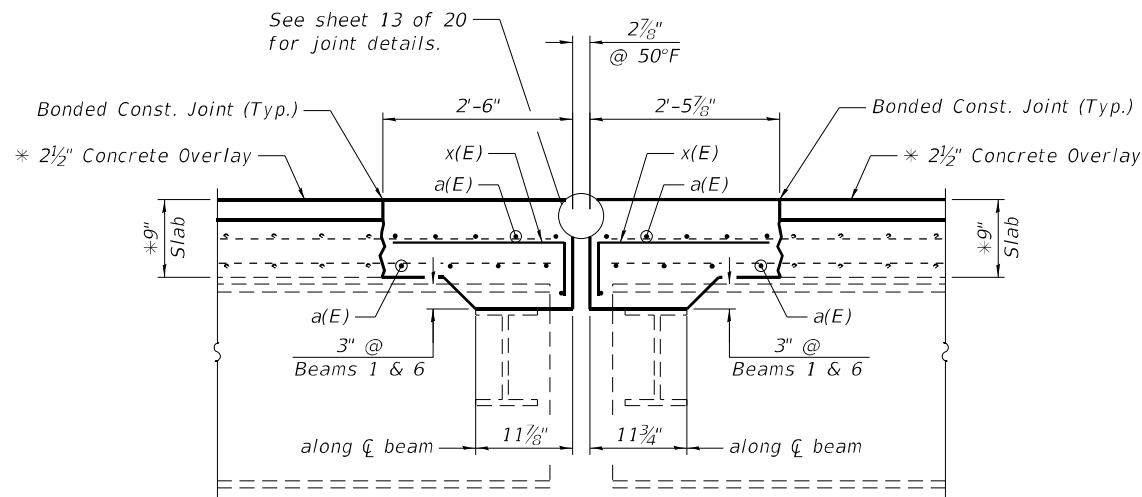
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	65
CONTRACT NO. 74998				

ILLINOIS FED. AID PROJECT

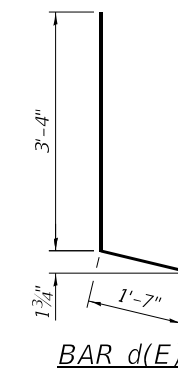


Existing "x" bars in hatched area to be removed and replaced.
Existing "x" bars on west side of joint at Pier 13 to be cut off flush at concrete removal line.

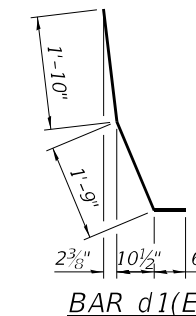
SECTION THRU BRIDGE DECK (REMOVAL) AT PIERS
(Horiz. Dim. at Rt. L's)



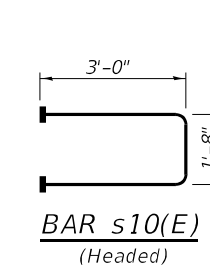
SECTION THRU BRIDGE DECK (PROPOSED) AT PIERS
(Horiz. Dim. at Rt. L's)



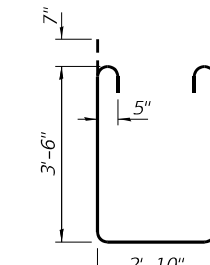
BAR d(E)



BAR d1(E)

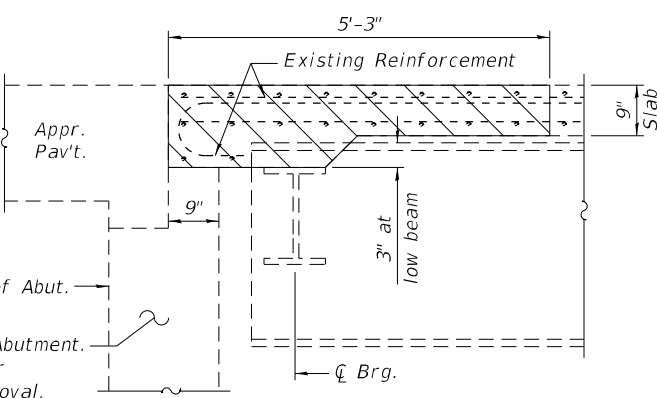


BAR s10(E) (Headed)



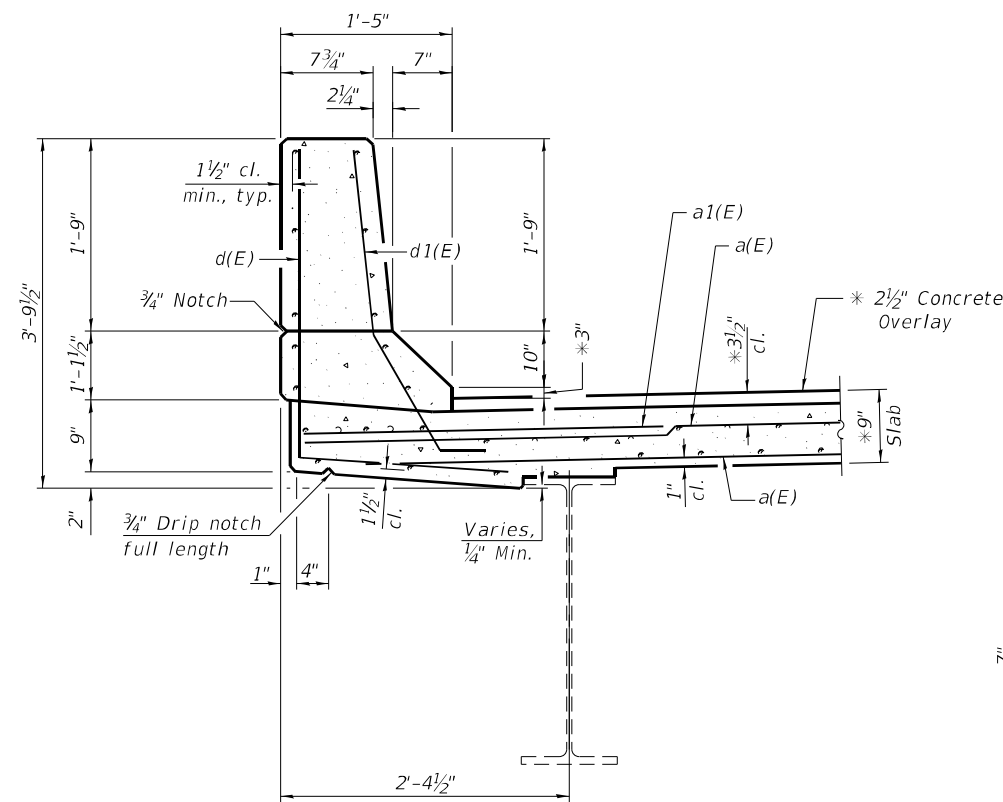
BAR s11(E)

* Prior to Grinding

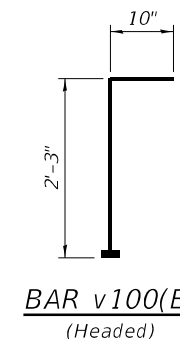


Back wall of Existing Abutment. See Sheet 16 of 20 for Abutment Concrete Removal.

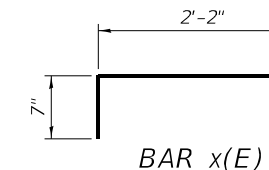
SECTION THRU BRIDGE DECK (REMOVAL) AT ABUTMENTS (Between Exterior Beams)



SECTION THRU PARAPET PROPOSED DETAILS



BAR v100(E) (Headed)



BAR x(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	136	5	36'-4"	—
a1(E)	80	6	6'-6"	—
d(E)	84	4	4'-11"	L
d1(E)	84	5	4'-1"	U
m10(E)	6	6	36'-10"	—
m11(E)	30	6	6'-0"	—
m12(E)	12	6	2'-0"	—
s10(E)	72	5	7'-8"	U
s11(E)	72	5	10'-8"	U
v100(E)	76	5	3'-1"	L
x(E)	360	5	2'-5"	—
Reinforcement Bars, Epoxy Coated			Pound	9740
Concrete Superstructure			Cu. Yd.	97.2
Concrete Removal			Cu. Yd.	50.6

Notes:
Hatched areas indicate limits of Concrete Removal. Existing reinforcement to remain shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.
Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete removal.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

(Sheet 4 of 4)

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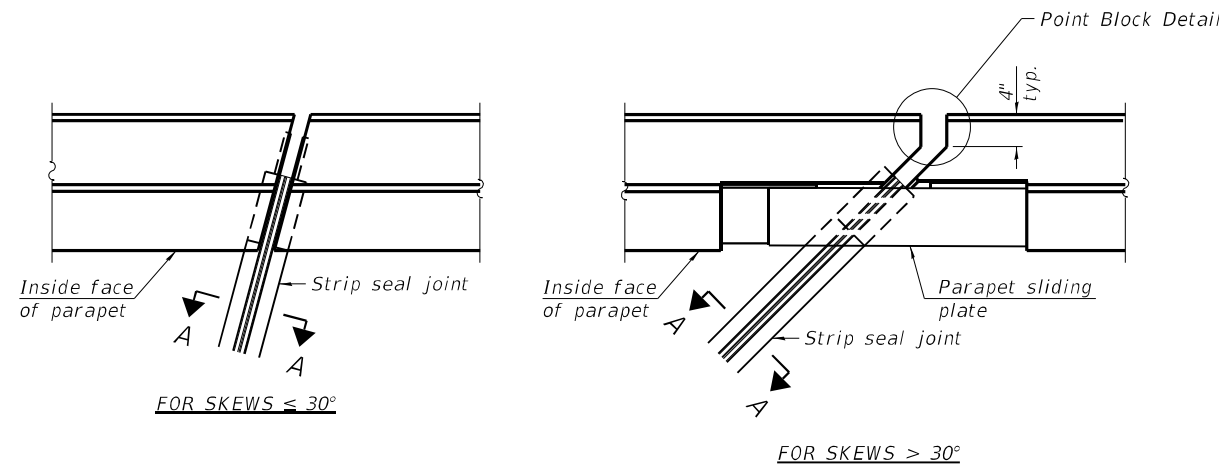
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

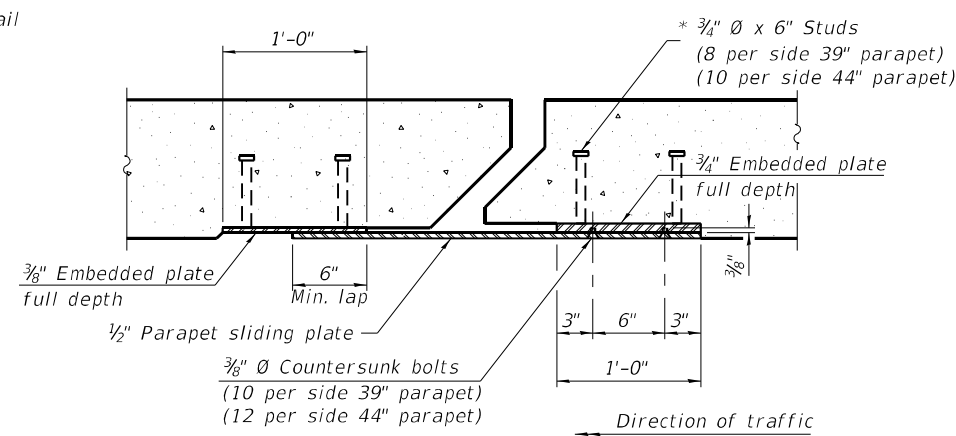
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 026-0020 (WB)

SHEET 12 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	66
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

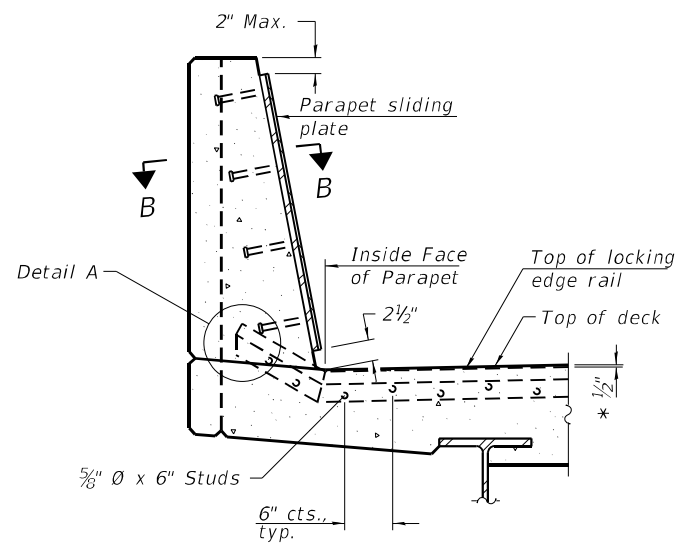


PLAN AT PARAPET

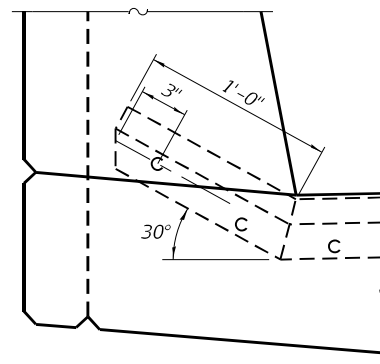


SECTION B-B

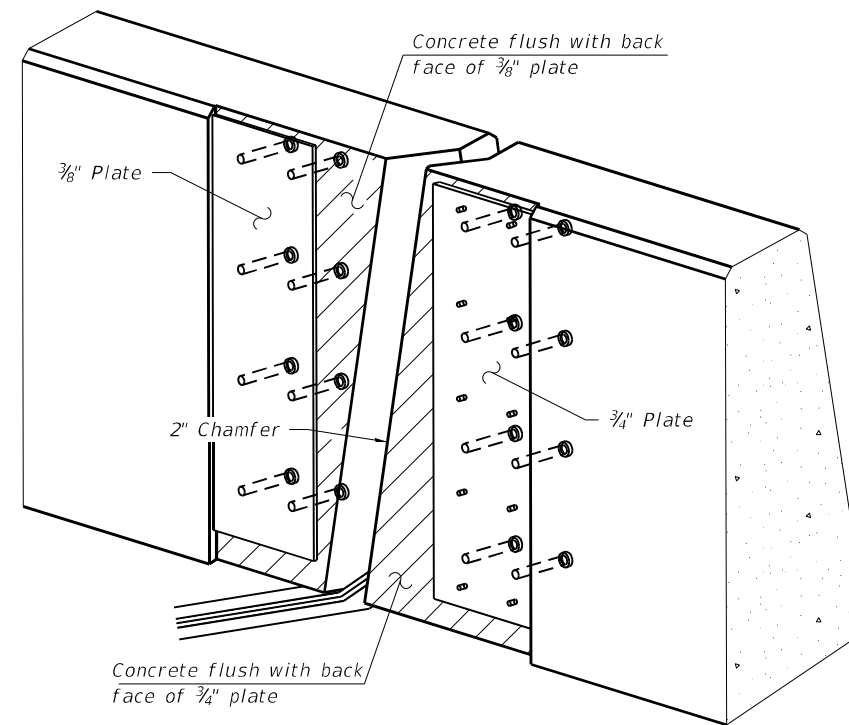
Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement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



SECTION AT PARAPET



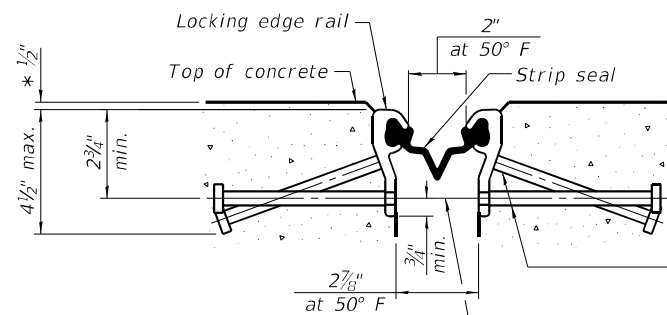
DETAIL A



TRIMETRIC VIEW
 (Showing embedded plates only)

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.
 Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.
 39" constant slope barrier shown, 44" constant slope barrier similar as noted.
 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.

* Prior to Grinding



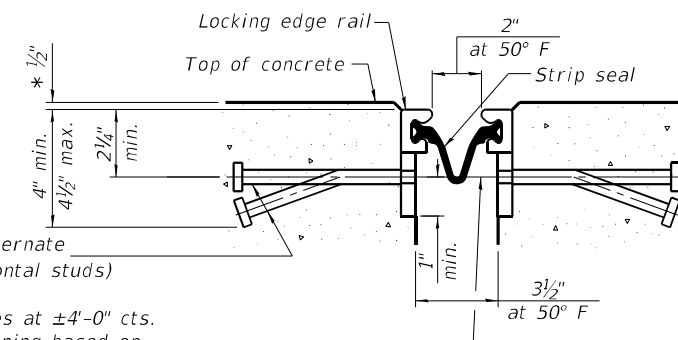
SHOWING ROLLED RAIL JOINT

** 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

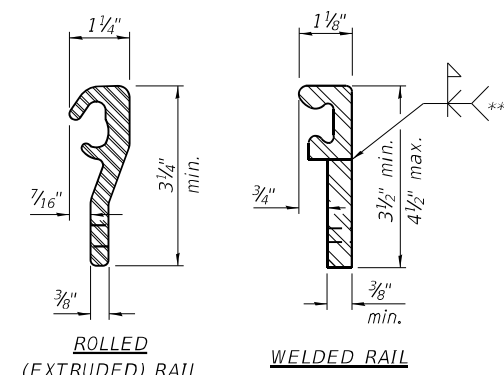
3/8" φ threaded rods in 7/16" φ holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

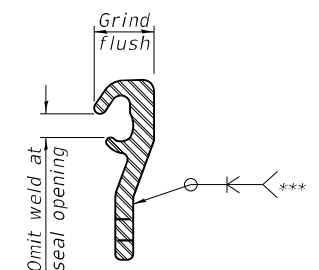


SHOWING WELDED RAIL JOINT



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	180

MODEL: Default
 FILE NAME: 026-0020-74998-13-JointSeal.dgn

CEC Cummins Engineering Corporation
 Civil and Structural Engineering

NO. = 2480.7	DESIGNED , AAN	REVISED ,
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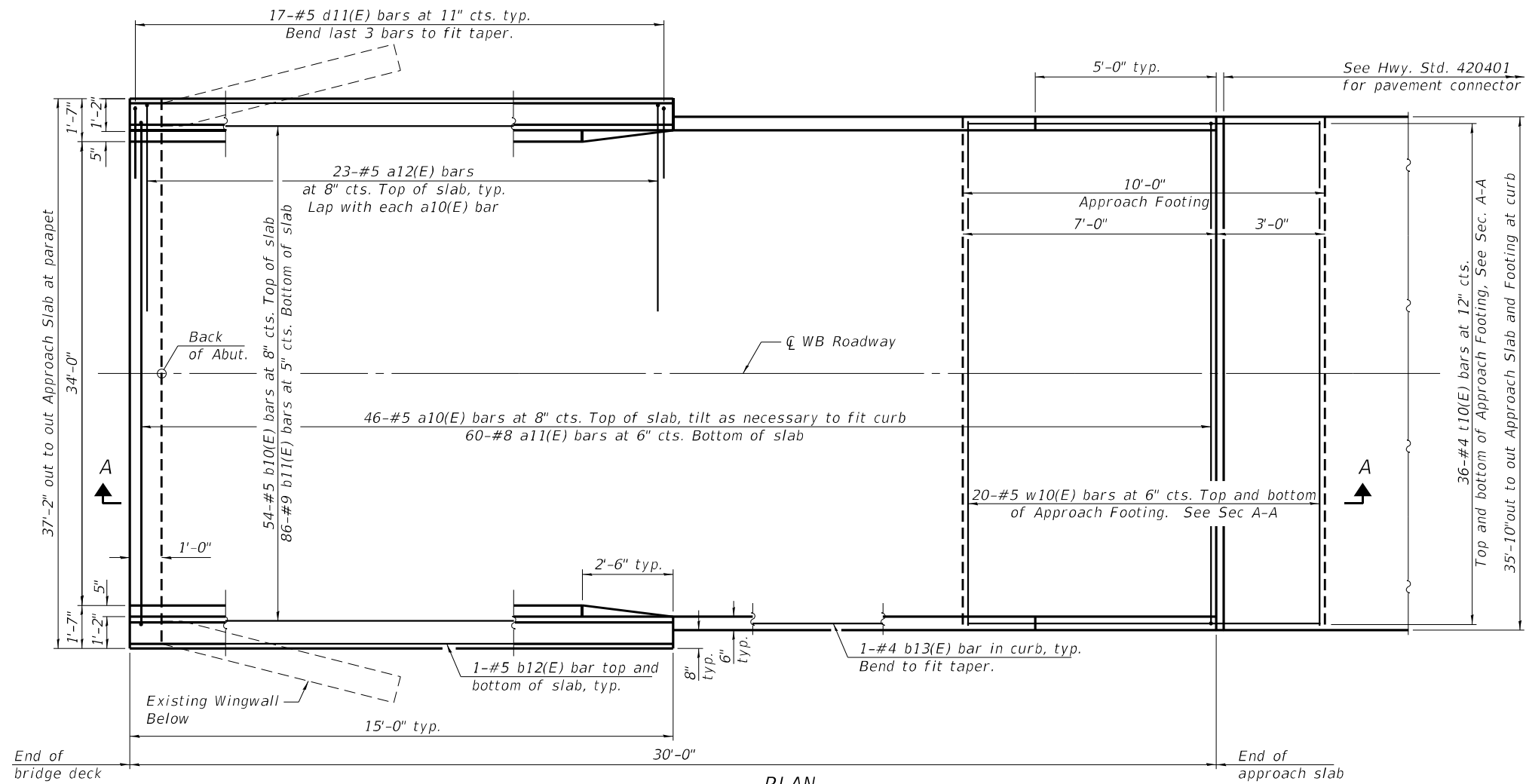
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MODIFIED PREFORMED JOINT STRIP SEAL
 STRUCTURE NO. 026-0020 (WB)

SHEET 13 OF 20 SHEETS

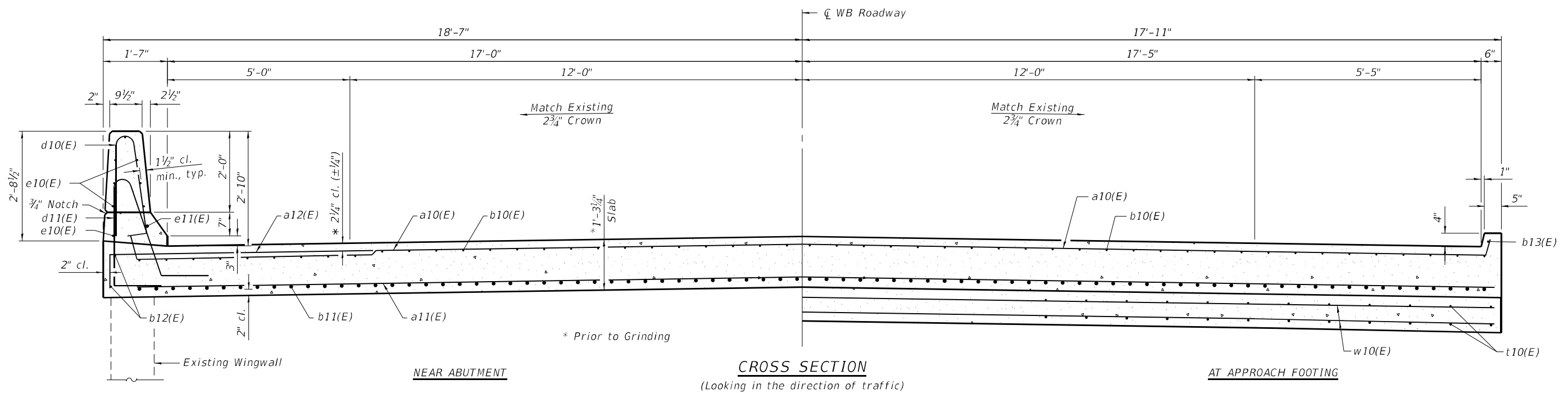
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHIFTS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	67
CONTRACT NO. 74998				

ILLINOIS FED. AID PROJECT



PLAN

See Sheet 2 of 2 for Section A-A.



CROSS SECTION
(Looking in the direction of traffic)

BAIA-CIP-34FS-0 8-11-2017

(Sheet 1 of 2)

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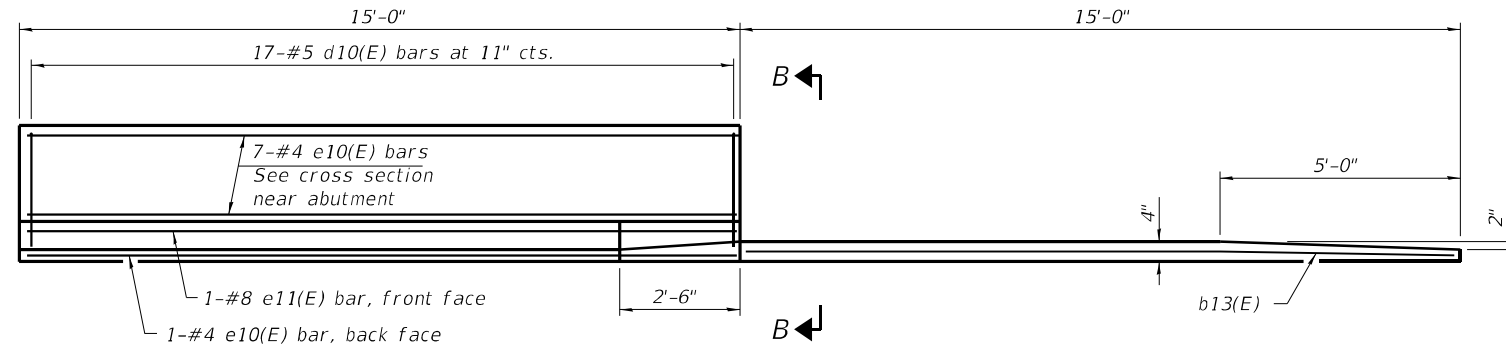
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 026-0020 (WB)

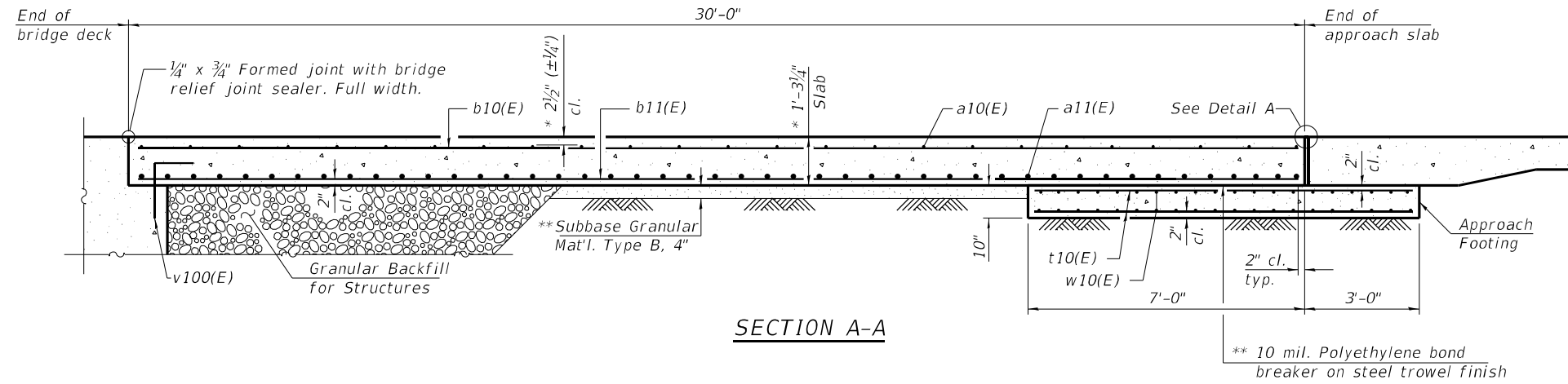
SHEET 14 OF 20 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

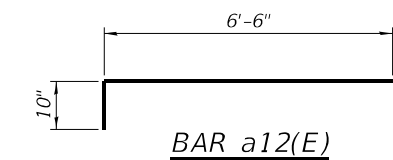
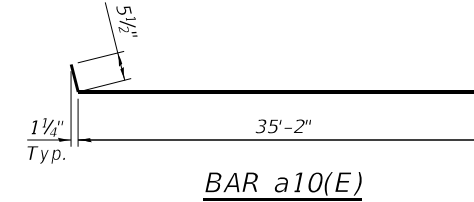
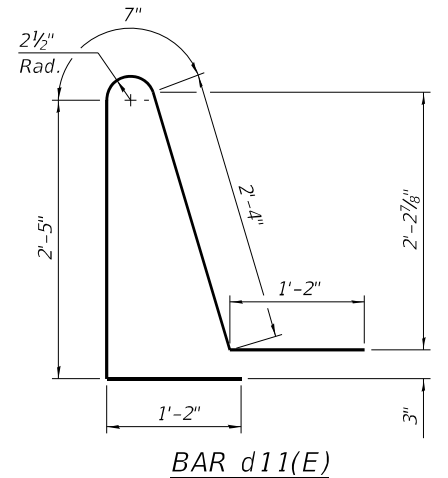
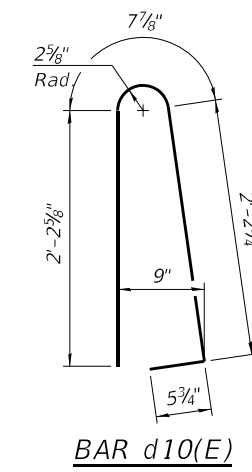
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 20.



INSIDE ELEVATION OF PARAPET AND CURB

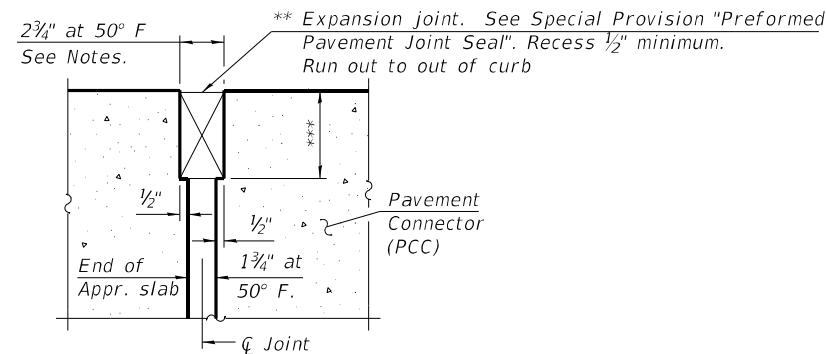


SECTION A-A

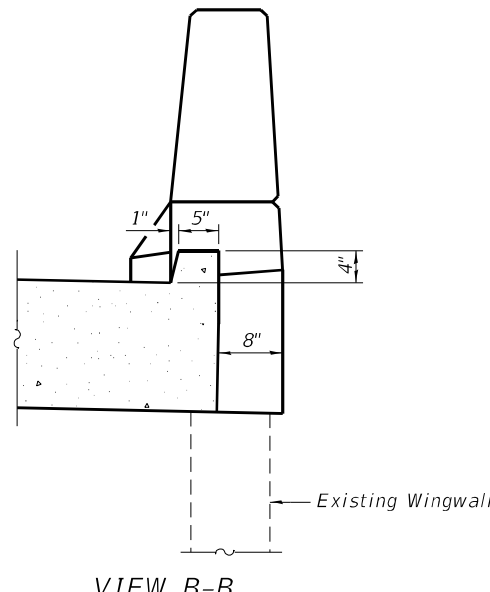


**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	92	#5	36'-1"	
a11(E)	120	#8	35'-6"	
a12(E)	92	#5	7'-4"	
b10(E)	108	#5	29'-8"	
b11(E)	172	#9	29'-8"	
b12(E)	8	#5	14'-8"	
b13(E)	4	#4	14'-8"	
d10(E)	68	#5	5'-7"	
d11(E)	68	#5	7'-8"	
e10(E)	32	#4	14'-8"	
e11(E)	4	#8	14'-8"	
t10(E)	144	#4	9'-8"	
w10(E)	80	#5	35'-6"	
Concrete Superstructure		Cu. Yd.	6.6	
Concrete Superstructure (Approach Slab)		Cu. Yd.	103.6	
Concrete Structures		Cu. Yd.	22.0	
Reinforcement Bars, Epoxy Coated		Pound	41,700	



DETAIL A



VIEW B-B

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

BAIA-CIP-34FS-0 8-11-2017

(Sheet 2 of 2)

MODEL: Default
 FILE NAME: 026-0020-74998-14-15-ApprSlabs.dgn



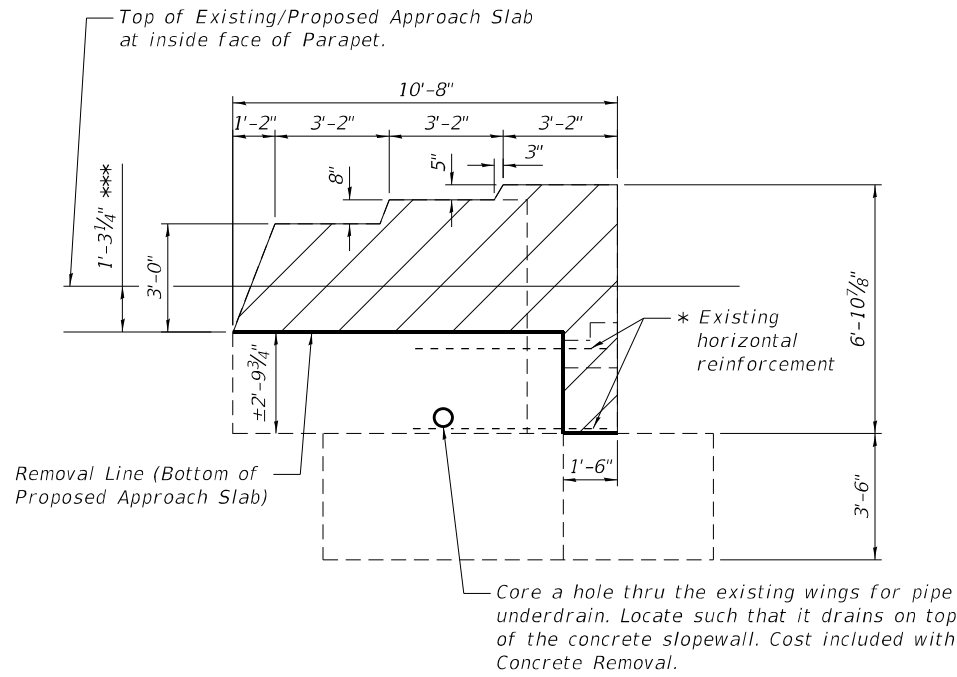
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

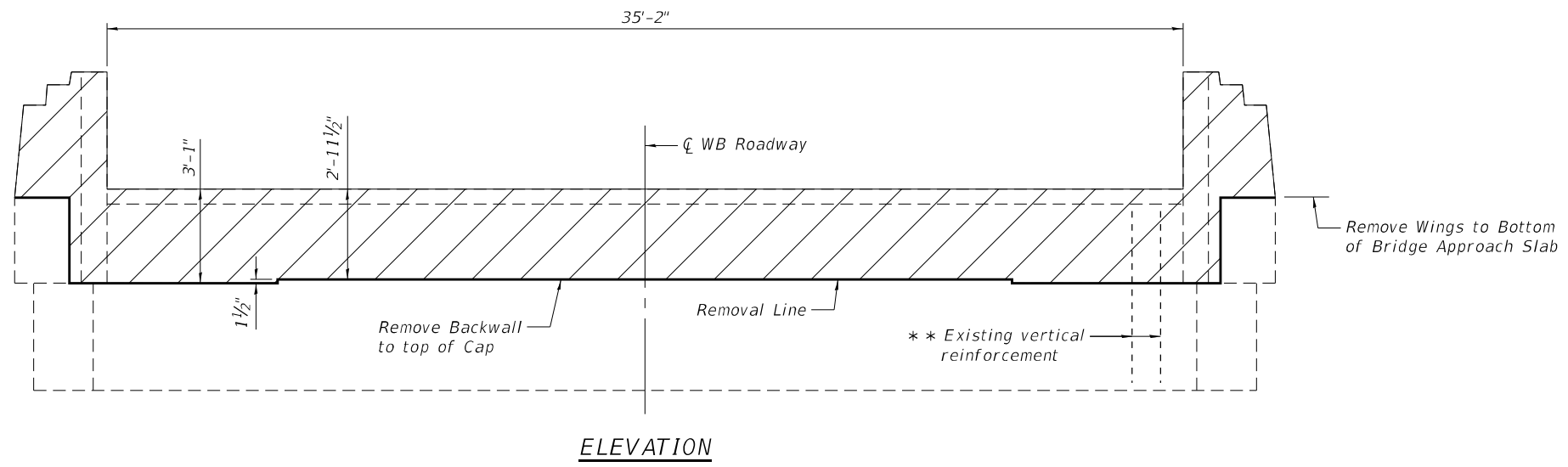
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 026-0020 (WB)

SHEET 15 OF 20 SHEETS

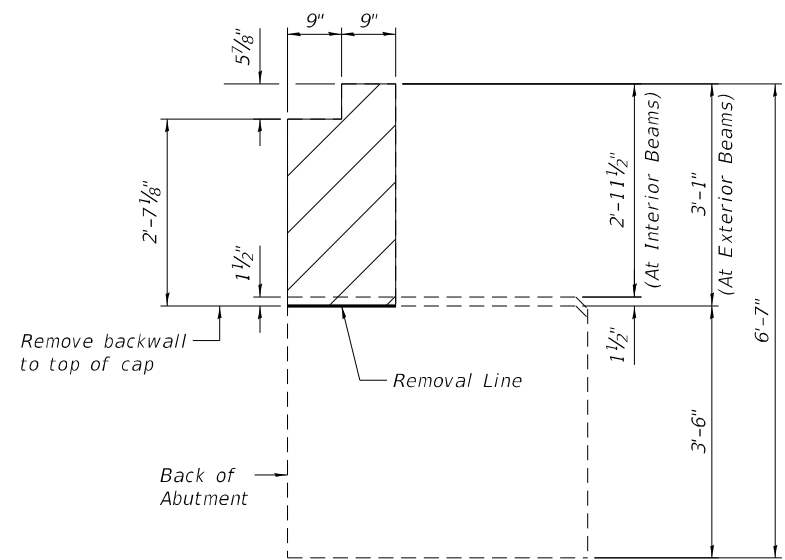
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-04	FAYETTE	82	69
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				



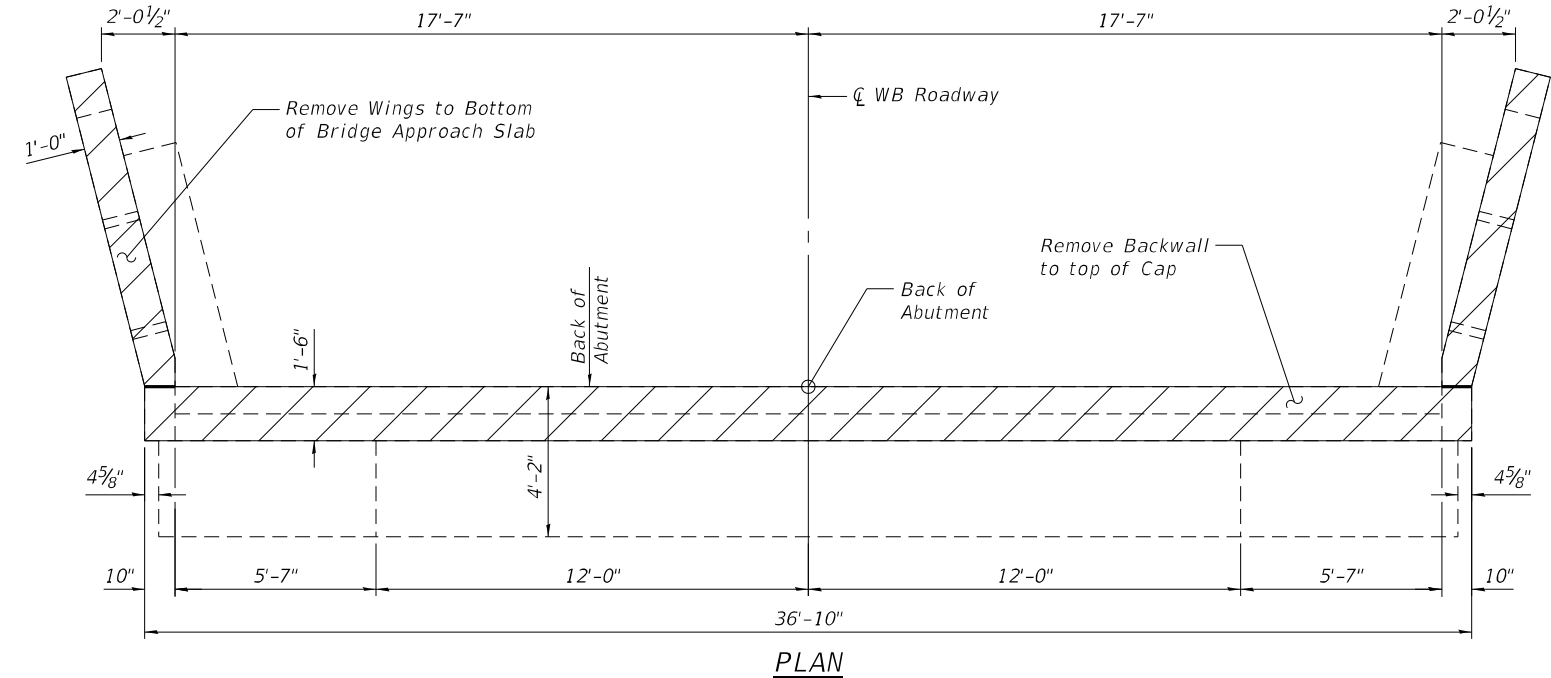
WING WALL ELEVATION



ELEVATION



SECTION THRU ABUTMENT



PLAN

TWO ABUTMENTS BILL OF MATERIAL

Concrete Removal	Cu. Yd.	19.7

- Notes:
- Hatched area indicates limits of Concrete Removal.
 - * Existing horizontal reinforcement at wing-backwall interface shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.
 - ** Existing vertical reinforcement in wings and backwall shall be cut flush with removal line.
 - *** Prior to Grinding

MODEL: Default
FILE NAME: 026-0020-74998-16-17-AbutRepairs.dgn

CEC Cummins Engineering Corporation
Civil and Structural Engineering

PROJECT NO. = 2480.7	DESIGNED BY: AAN	REVISIONS:
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PLCOT DATE = 5/24/2022	DRAWN BY: SJS	REVISIONS:
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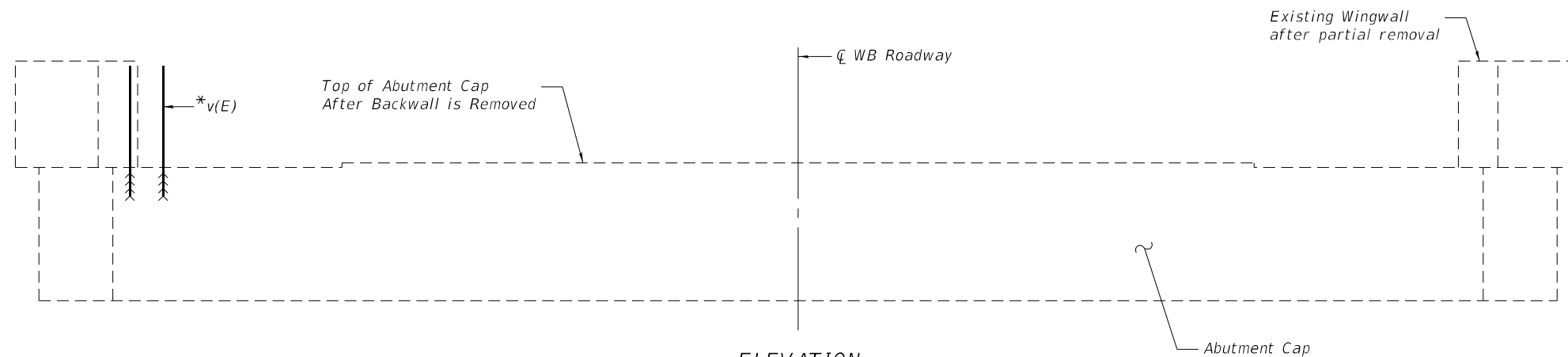
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT CONCRETE REMOVAL
STRUCTURE NO. 026-0020 (WB)

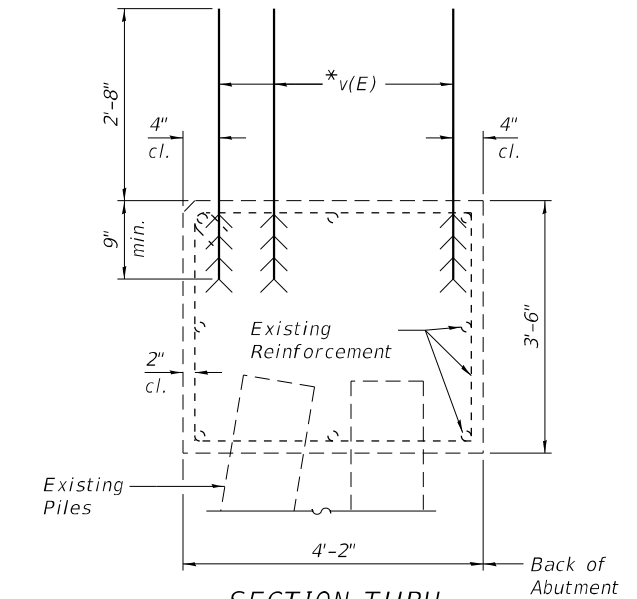
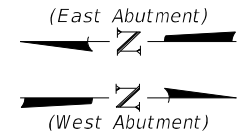
SHEET 16 OF 20 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74998				

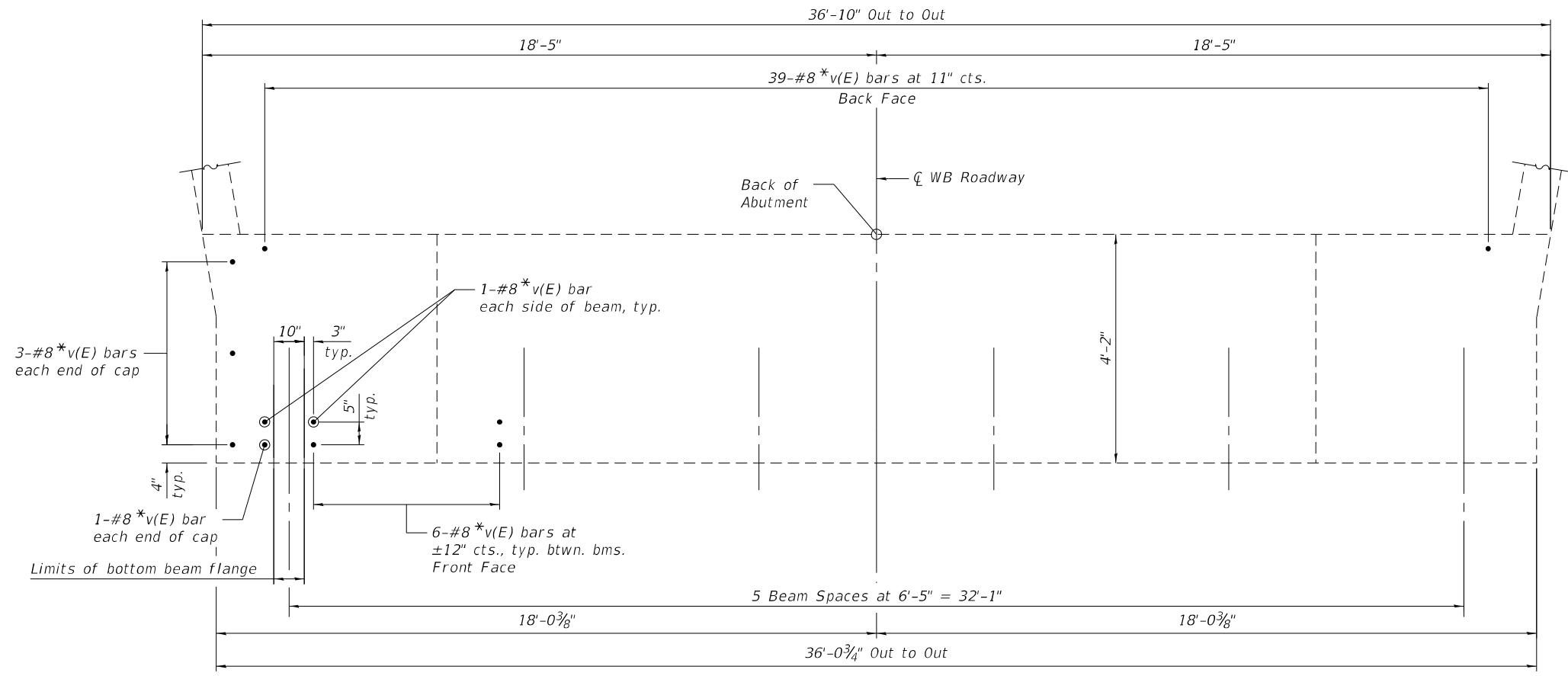
ILLINOIS FED. AID PROJECT



ELEVATION
(Showing Abutment Cap After Backwall is Removed)



SECTION THRU EXISTING ABUTMENT CAP



PLAN
(Showing Abutment Cap After Backwall is Removed)

**TWO ABUTMENTS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
*v(E)	178	#8	3'-5"	—
Reinforcement Bars, Epoxy Coated			Pound	1630

Notes:
Bars designated with an asterisk (ex: *v(E)) shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9". Locate bars to miss existing reinforcement.
Superstructure and integral abutment diaphragm omitted for clarity. See Sheets 10 thru 12 of 20 for Superstructure Details at abutments.

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FILE NAME: 026-0020-74998-16-17-AbutRepairs.dgn



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PLCOT DATE	= 5/24/2022

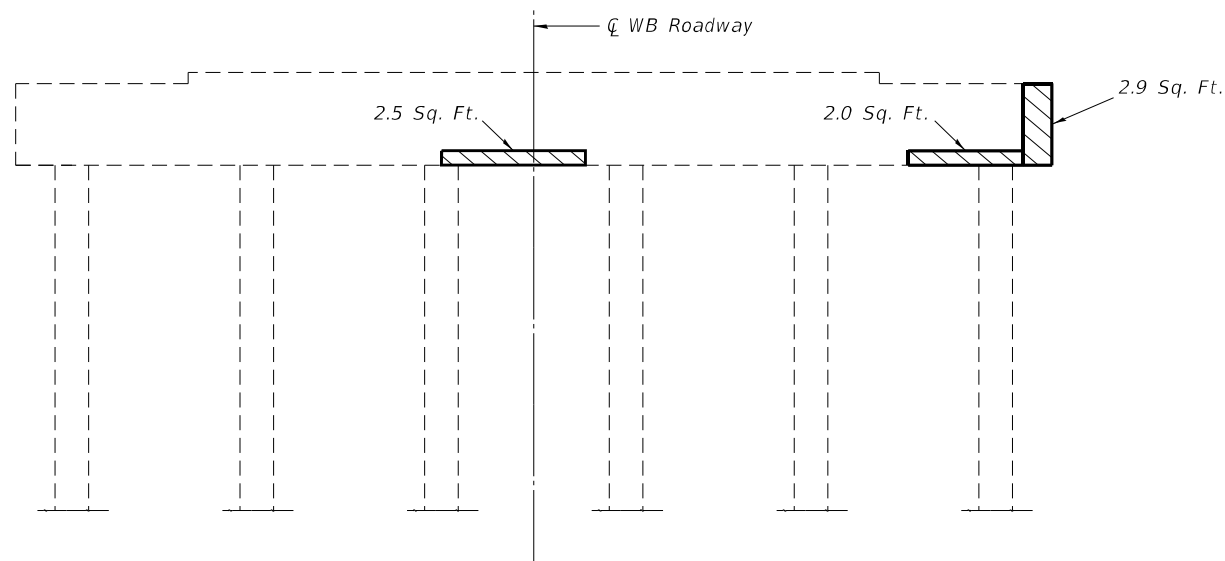
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CHECKED	MDC	REVISED	
DRAWN	SJS	REVISED	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENTS DETAILS
STRUCTURE NO. 026-0020 (WB)**

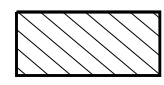
SHEET 17 OF 20 SHEETS

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ILLINOIS			FED. AID PROJECT	
			CONTRACT NO. 74998	

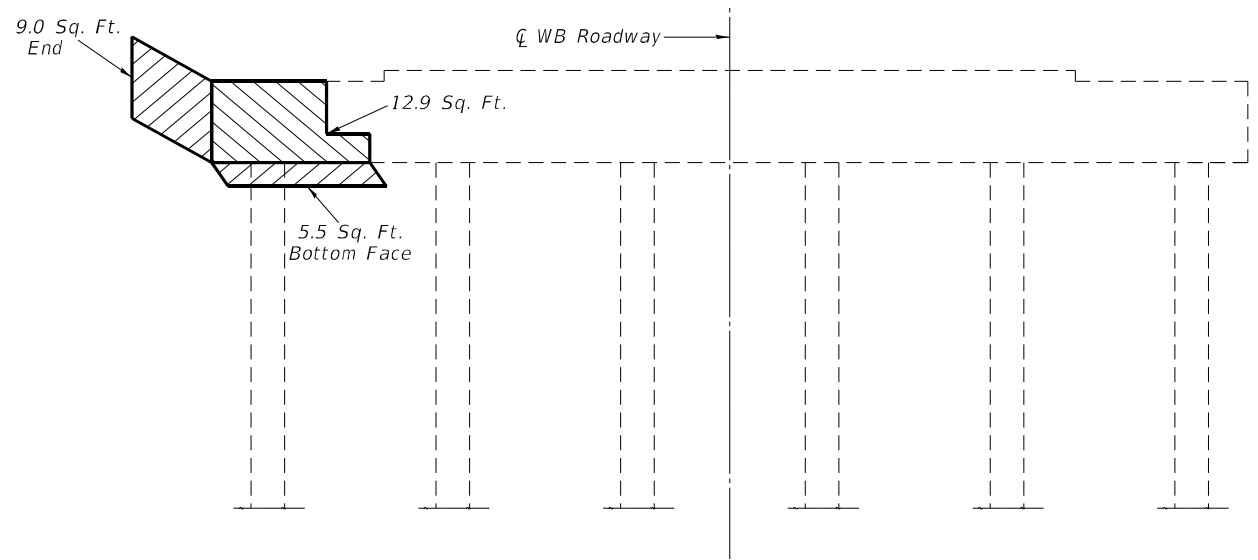


PIER 1
Looking East

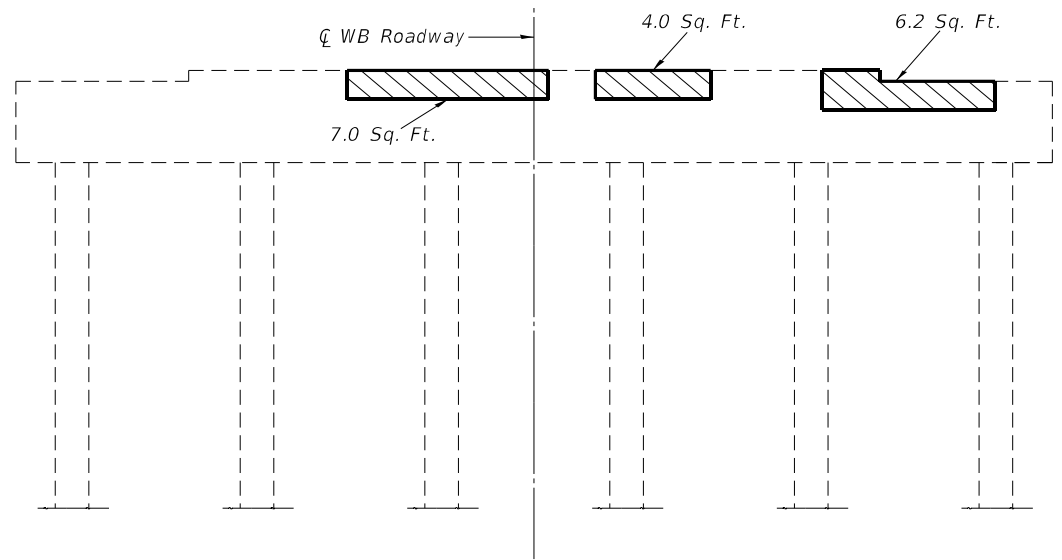
LEGEND



Hatched area indicates limits of Structural Repairs.



PIER 1
Looking West



PIER 4
Looking West

BILL OF MATERIAL - THIS SHEET

Item	Unit	Total
Structural Repair of Concrete, ≤ 5 inches	Sq. Ft.	52.0

DATE OF SURVEY: 1-8-2021
SURVEY BY: DPM
METHOD OF SURVEY: VISUAL

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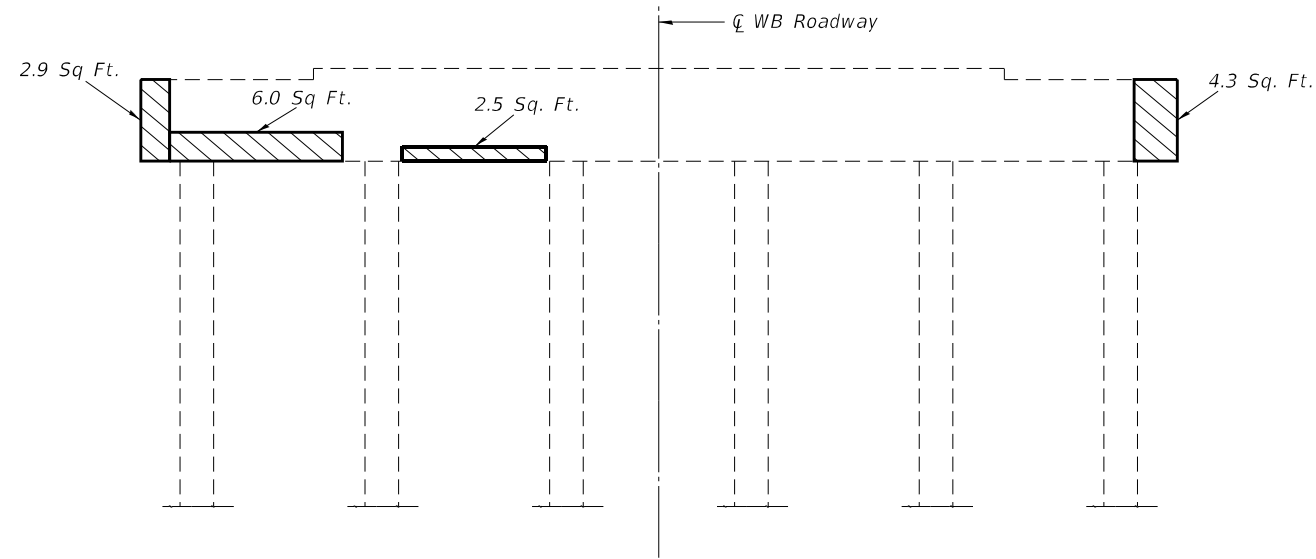
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PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

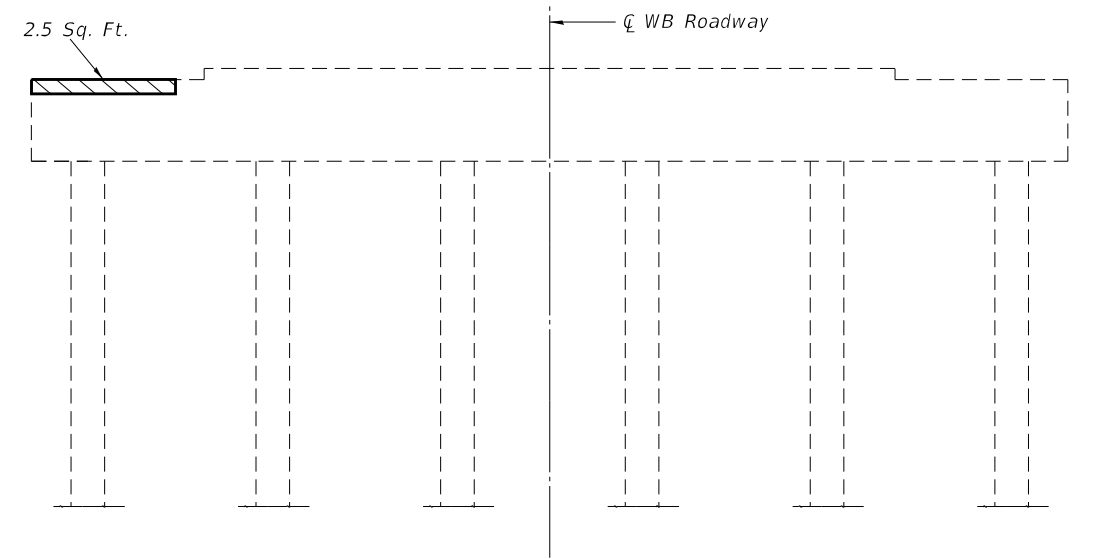
PIER REPAIRS
S.N. 026-0020

SCALE: SHEET 18 OF 20 SHEETS STA. TO STA.

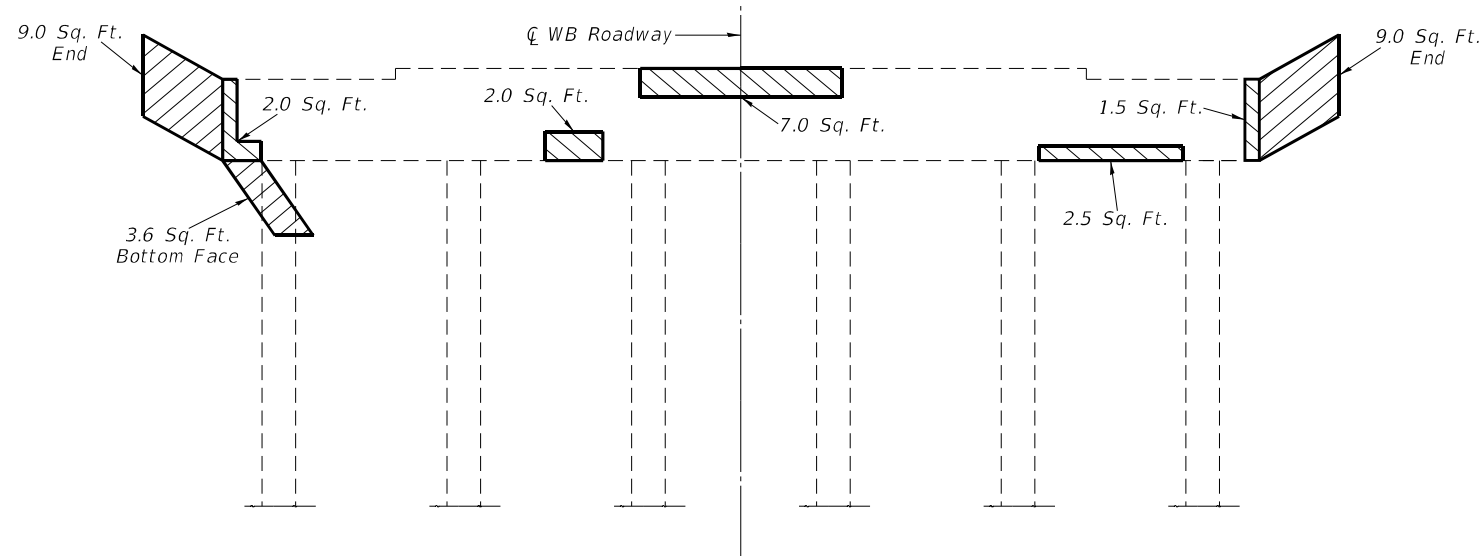
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	72
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	



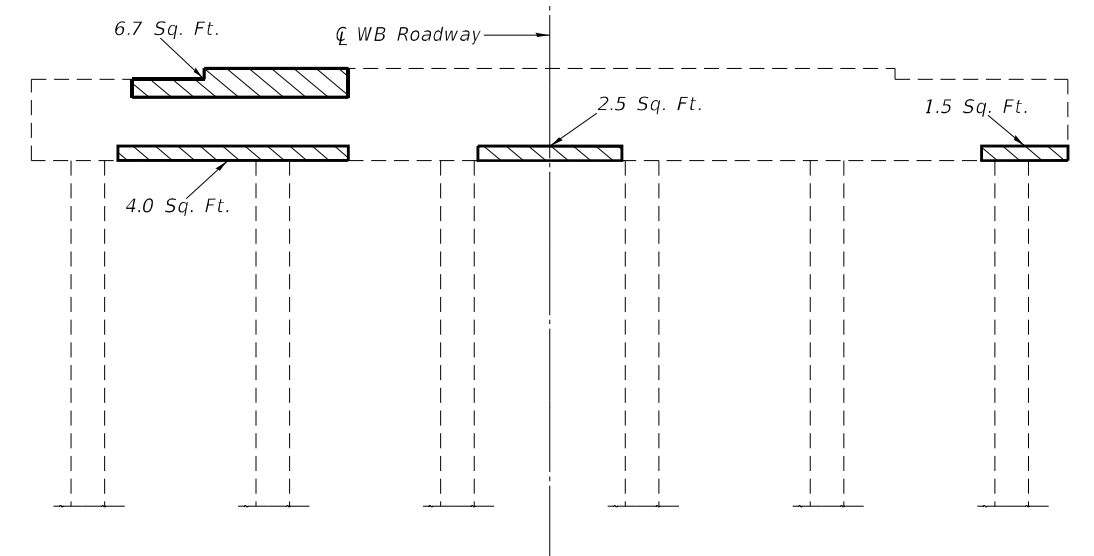
PIER 7
Looking East



PIER 10
Looking East



PIER 7
Looking West



PIER 10
Looking West

LEGEND



Hatched area indicates limits of Structural Repairs.

BILL OF MATERIAL - THIS SHEET

Item	Unit	Total
Structural Repair of Concrete, ≤ 5 inches	Sq. Ft.	69.5

DATE OF SURVEY: 1-8-2021
SURVEY BY: DPM
METHOD OF SURVEY: VISUAL

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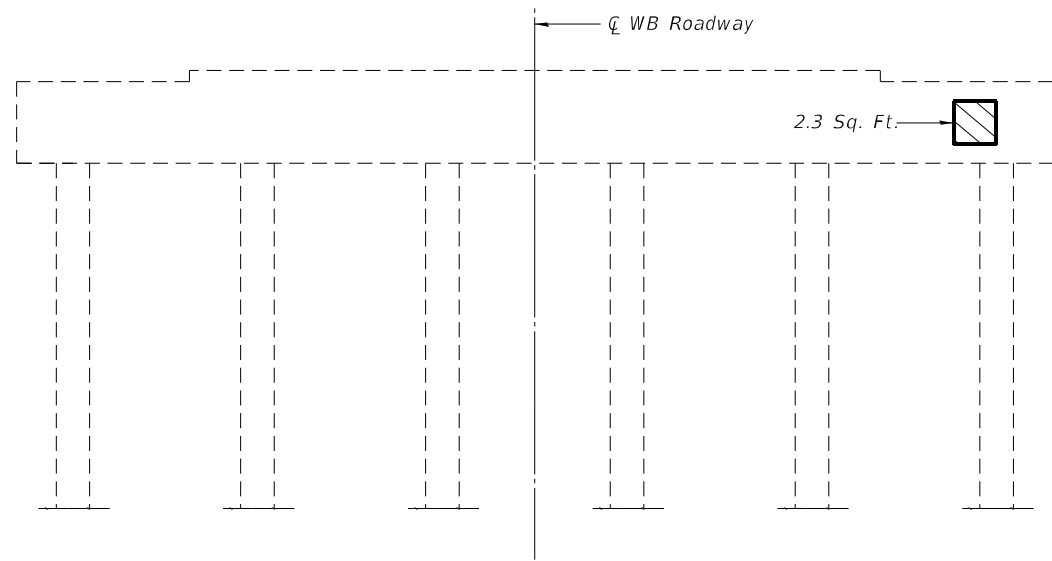
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PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

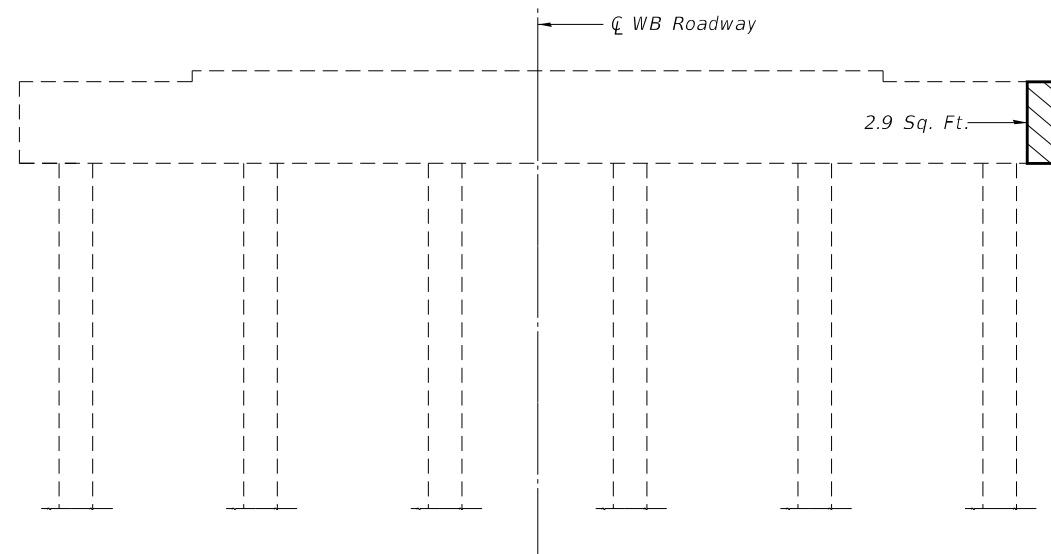
PIER REPAIRS
S.N. 026-0020

SCALE: SHEET 19 OF 20 SHEETS STA. TO STA.

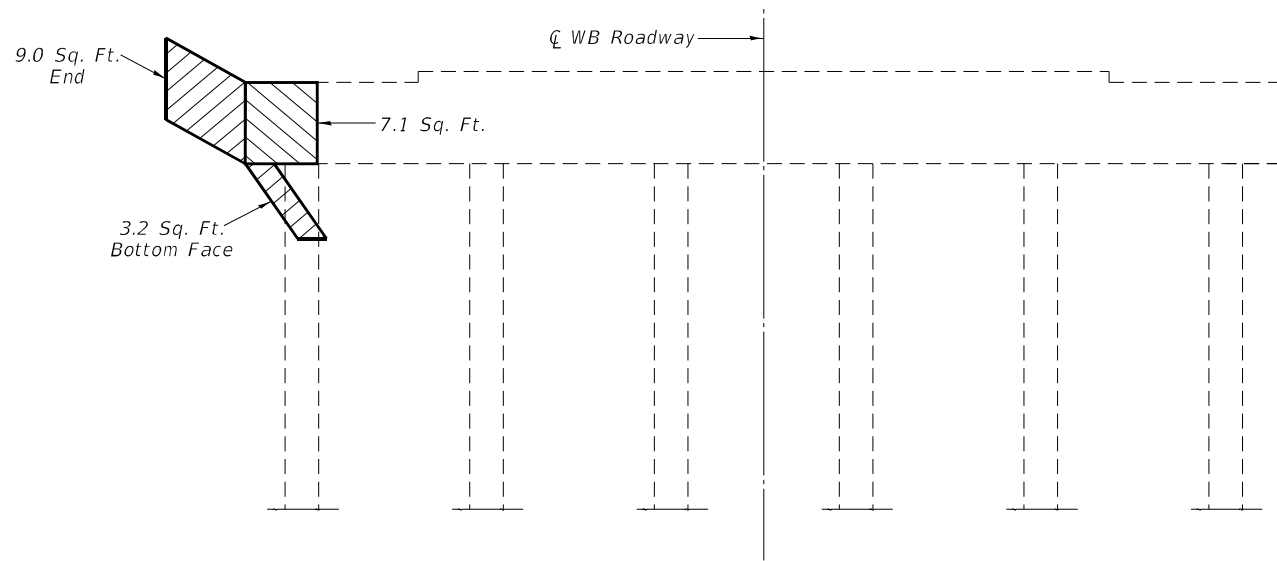
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	73
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74998	



PIER 12
Looking East



PIER 13
Looking East



PIER 13
Looking West

LEGEND



Hatched area indicates limits of Structural Repairs.

DATE OF SURVEY: 1-8-2021
SURVEY BY: DPM
METHOD OF SURVEY: VISUAL

BILL OF MATERIAL - THIS SHEET

Item	Unit	Total
Structural Repair of Concrete, ≤ 5 inches	Sq. Ft.	24.5

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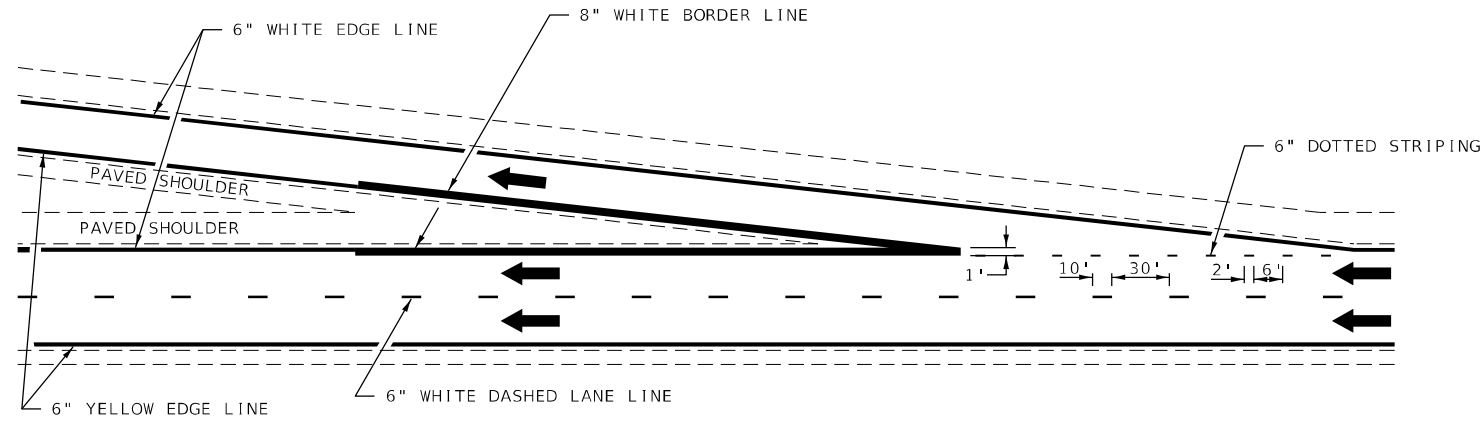
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PLOT DATE = 5/24/2022	DATE - Feb, 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

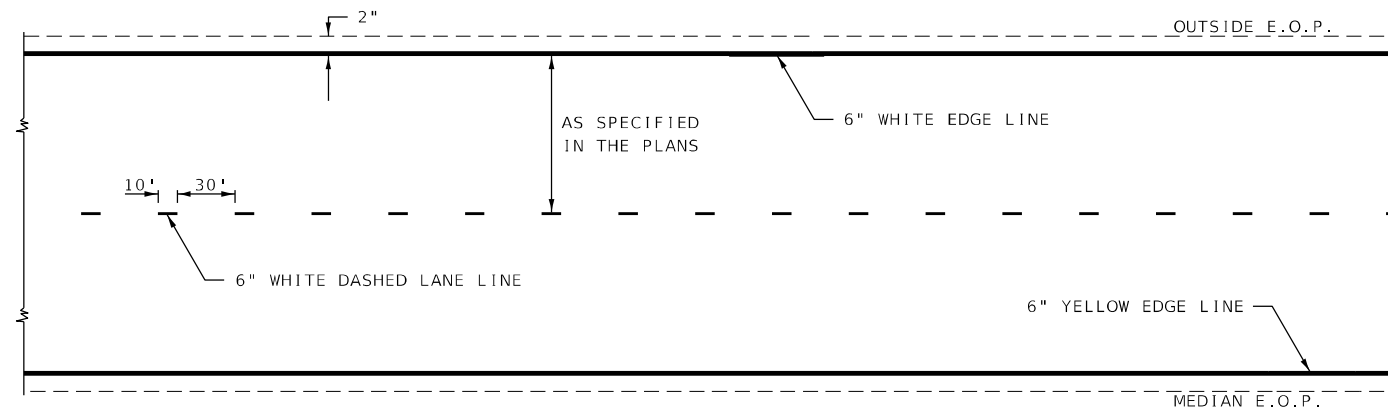
**PIER REPAIRS
S.N. 026-0020**

SCALE: SHEET 20 OF 20 SHEETS STA. TO STA.

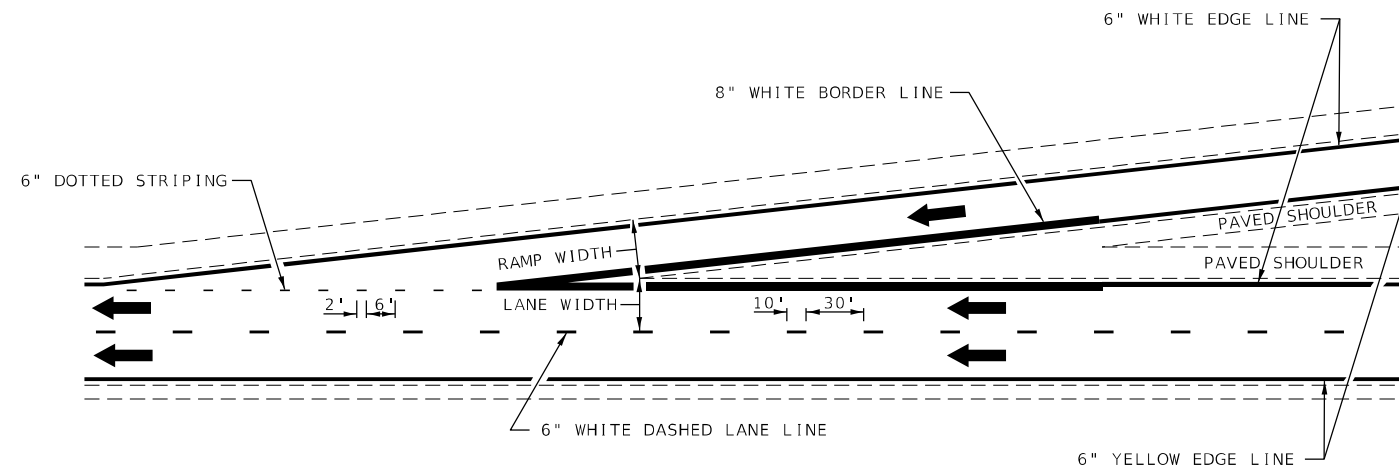
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	74
			CONTRACT NO. 74998	
ILLINOIS FED. AID PROJECT				



TYPICAL EXIT RAMP MARKING



TYPICAL CENTERLINE & EDGELINE MARKINGS



TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

DISTRICT 7 DETAIL NO. 7800002

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FILE: Mainfile.pwd
PROJECT: 74998
SHEET: 07
DATE: 5/27/2022

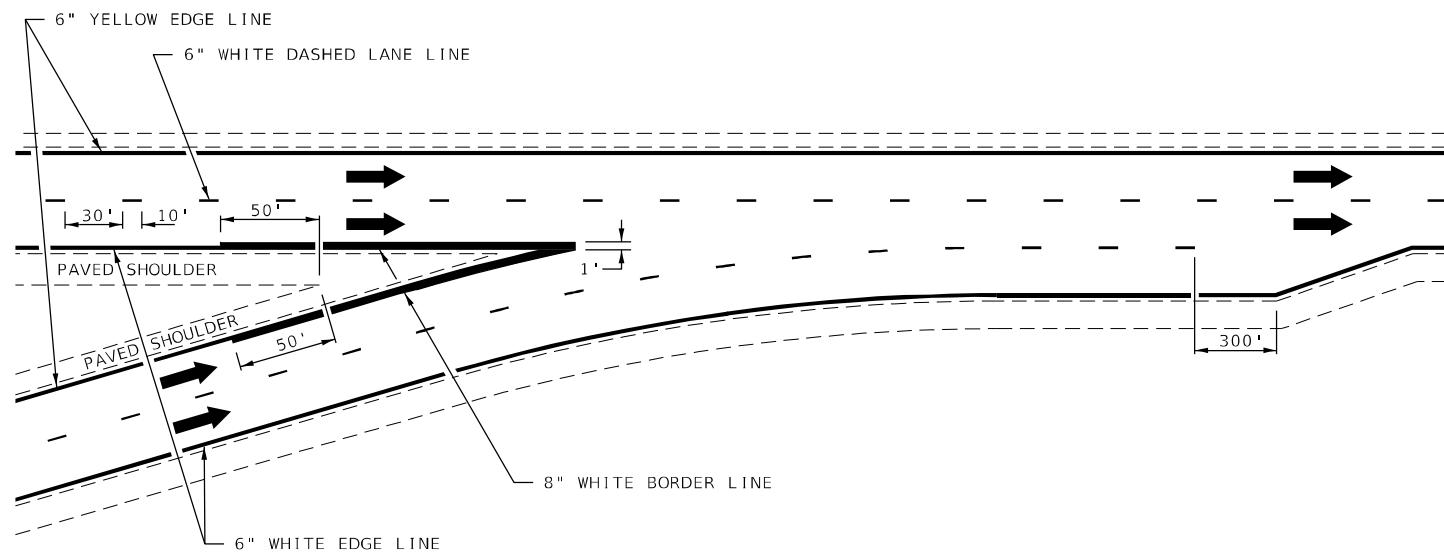
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PLOT DATE = 5/27/2022	DATE -	REVISED - MAD 01-20

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

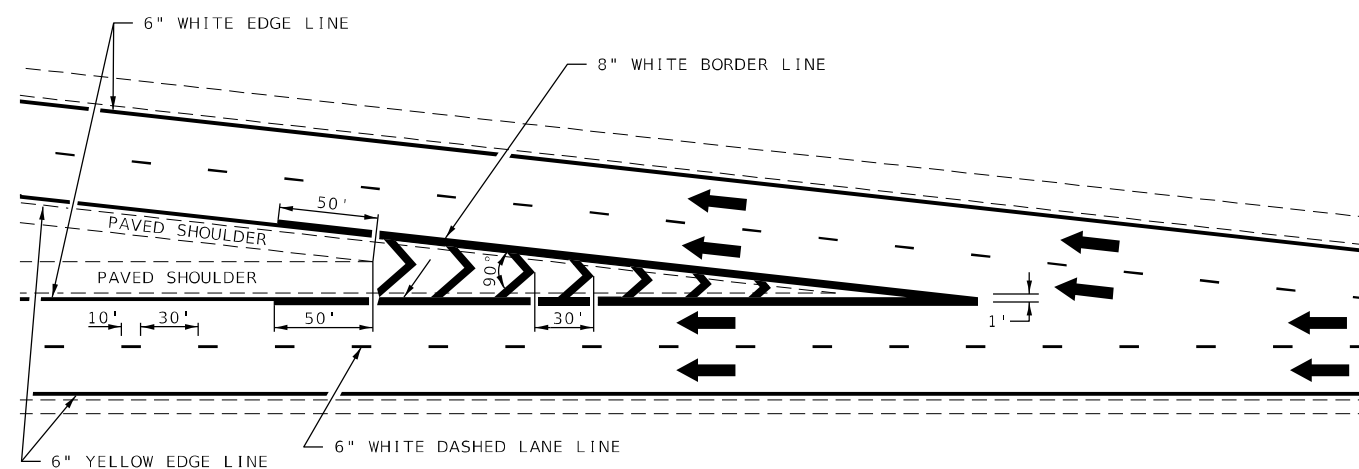
**TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY
PAVEMENT MARKING**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 74998	
ILLINOIS FED. AID PROJECT				

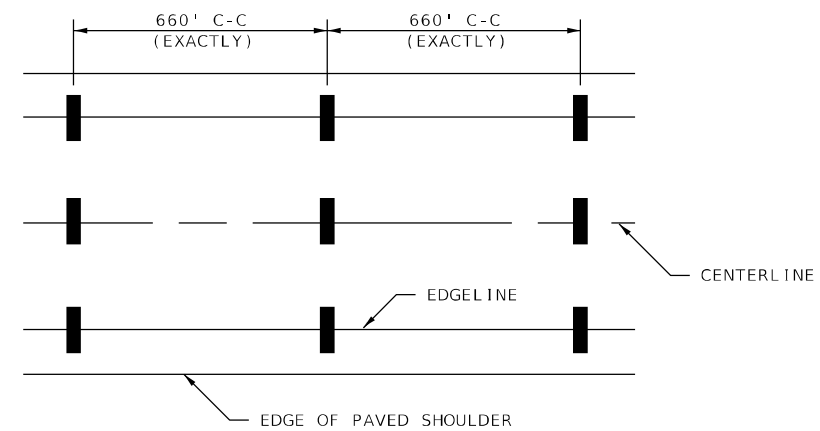


TYPICAL CONVERGENCE MARKING

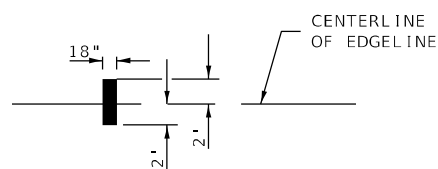


TYPICAL DIVERGENCE MARKING

AERIAL SPEED CHECK ZONES



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

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	DRAWN -	REVISED - DRM 08-04
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - MKS 04-08
PLOT DATE = 5/27/2022	DATE -	REVISED - DRM 01-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY
PAVEMENT MARKING

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

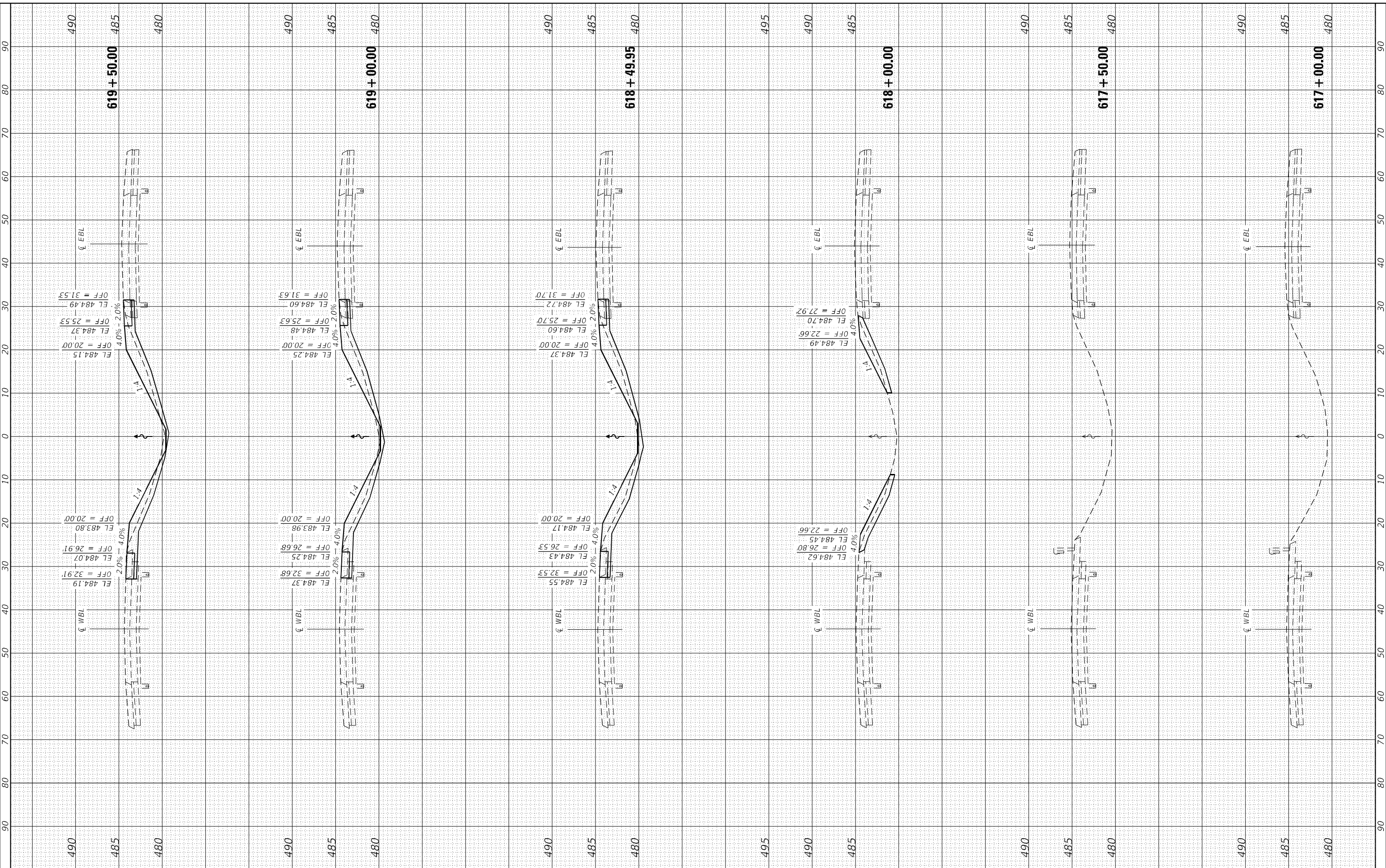
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70	D7 BRIDGE REPAIRS 2022-4	FAYETTE	82	76
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

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NO.	TEMPLATE		
	AREAS		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

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PLOT DATE = 5/24/2022

DESIGNED - TEC
DRAWN - TEC
CHECKED -
DATE - 7-5-21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=10'
SHEET OF SHEETS STA. 617+00.00 TO STA. 619+50.00

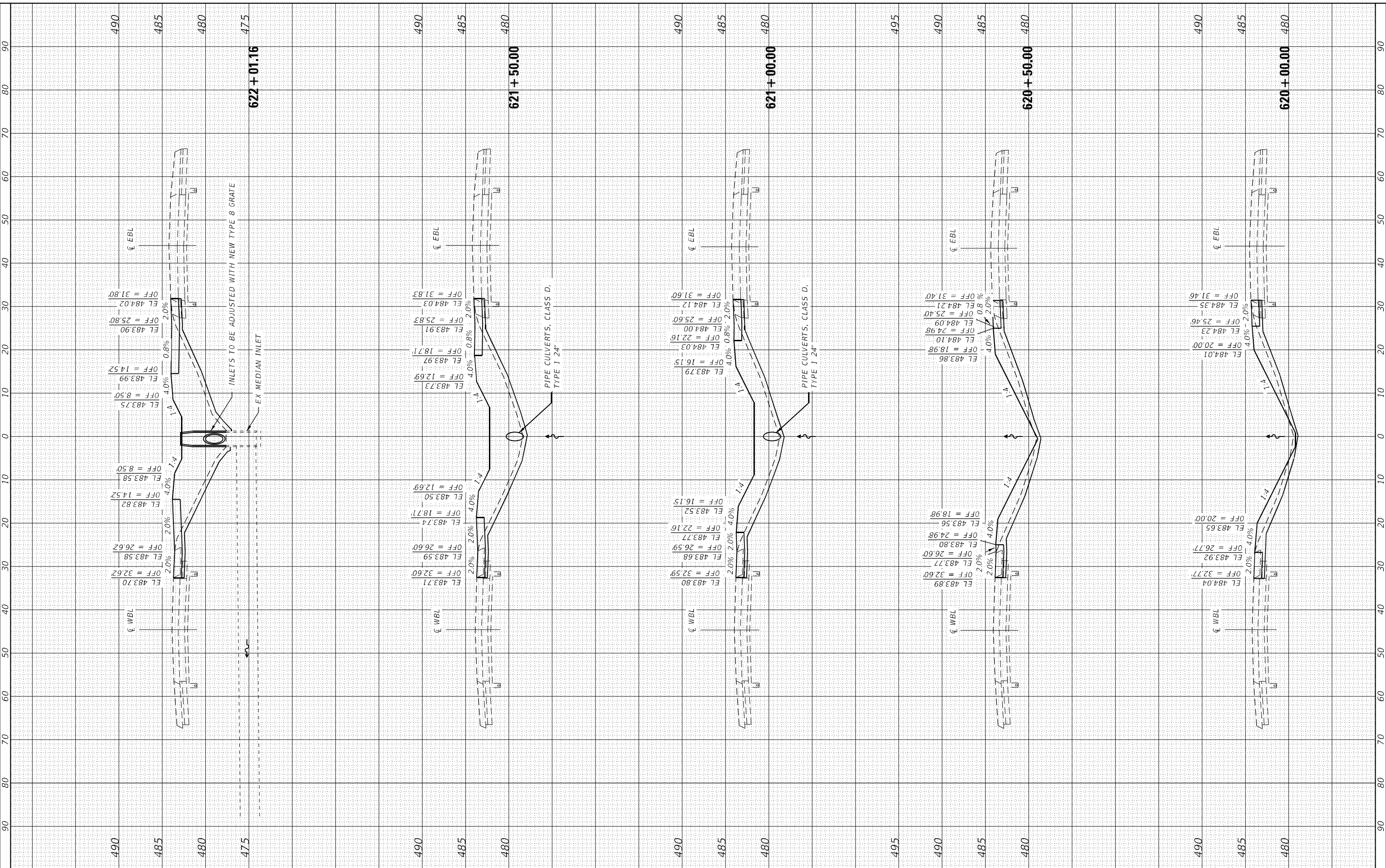
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70	*	FAYETTE	82	77
CONTRACT NO. 74998				

ILLINOIS FED. AID PROJECT
* D7 BRIDGE REPAIRS 2022-4

FINAL SURVEY	SURVEYED	BY	DATE
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # =
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CHECKED -
DATE - 7-5-21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=10' SHEET OF SHEETS STA. 620+00.00 TO STA. 622+01.16

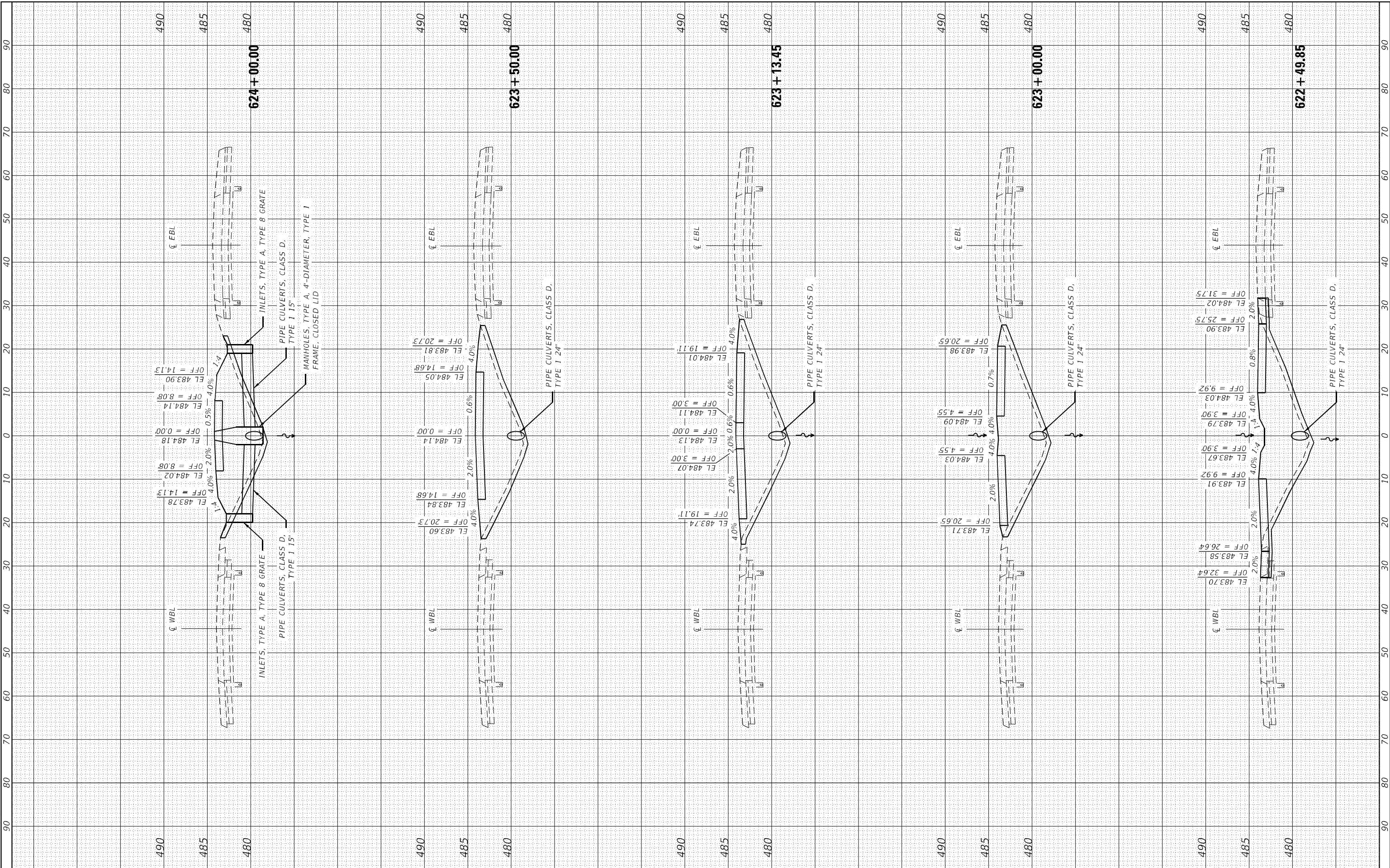
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70	*	FAYETTE	82	78
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4

FINAL SURVEY	SURVEYED	BY	DATE
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AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB =
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PLOT DATE = 5/24/2022

DESIGNED - TEC
DRAWN - TEC
CHECKED -
DATE - 7-5-21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'
SHEET OF SHEETS STA. 622+49.85 TO STA. 624+00.00

CROSS SECTIONS

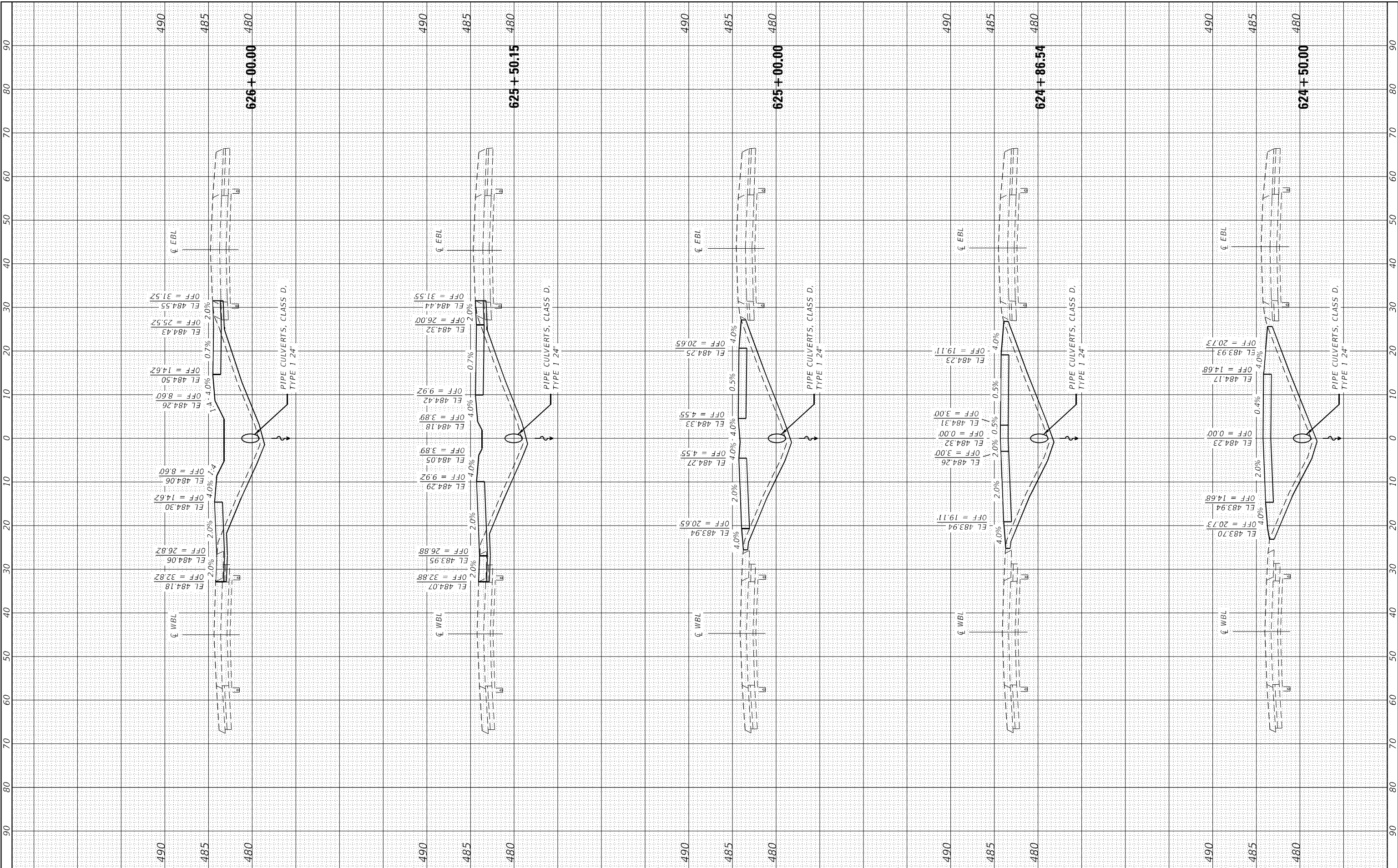
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	79
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4

FINAL SURVEY	SURVEYED	BY	DATE
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AREAS CHECKED	TEMPLATE		
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

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PLOT DATE = 5/24/2022

DESIGNED - TEC
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CHECKED -
DATE - 7-5-21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=10'
SHEET OF SHEETS STA. 624+50.00 TO STA. 626+00.00

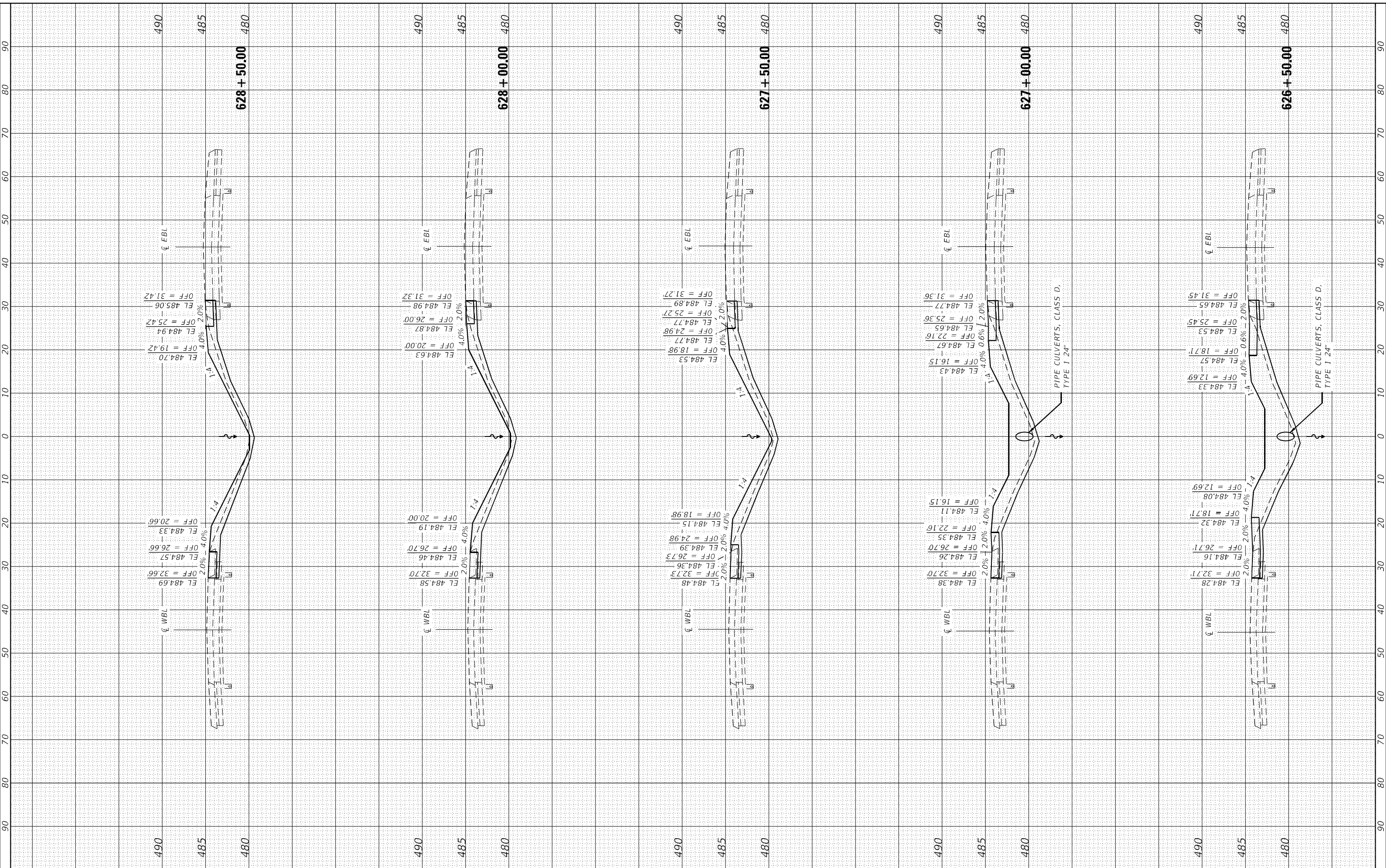
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	80
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4

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

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

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FILE NAME: 013\0774948-shr-Xsect.dgn



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB =
FILE NAME = 013-0774948-shr-Xsect.dgn
PLOT SCALE = 20,000' / in.
PLOT DATE = 5/24/2022

DESIGNED - TEC
DRAWN - TEC
CHECKED -
DATE - 7-5-21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=10' SHEET OF SHEETS STA. 626+50.00 TO STA. 628+50.00

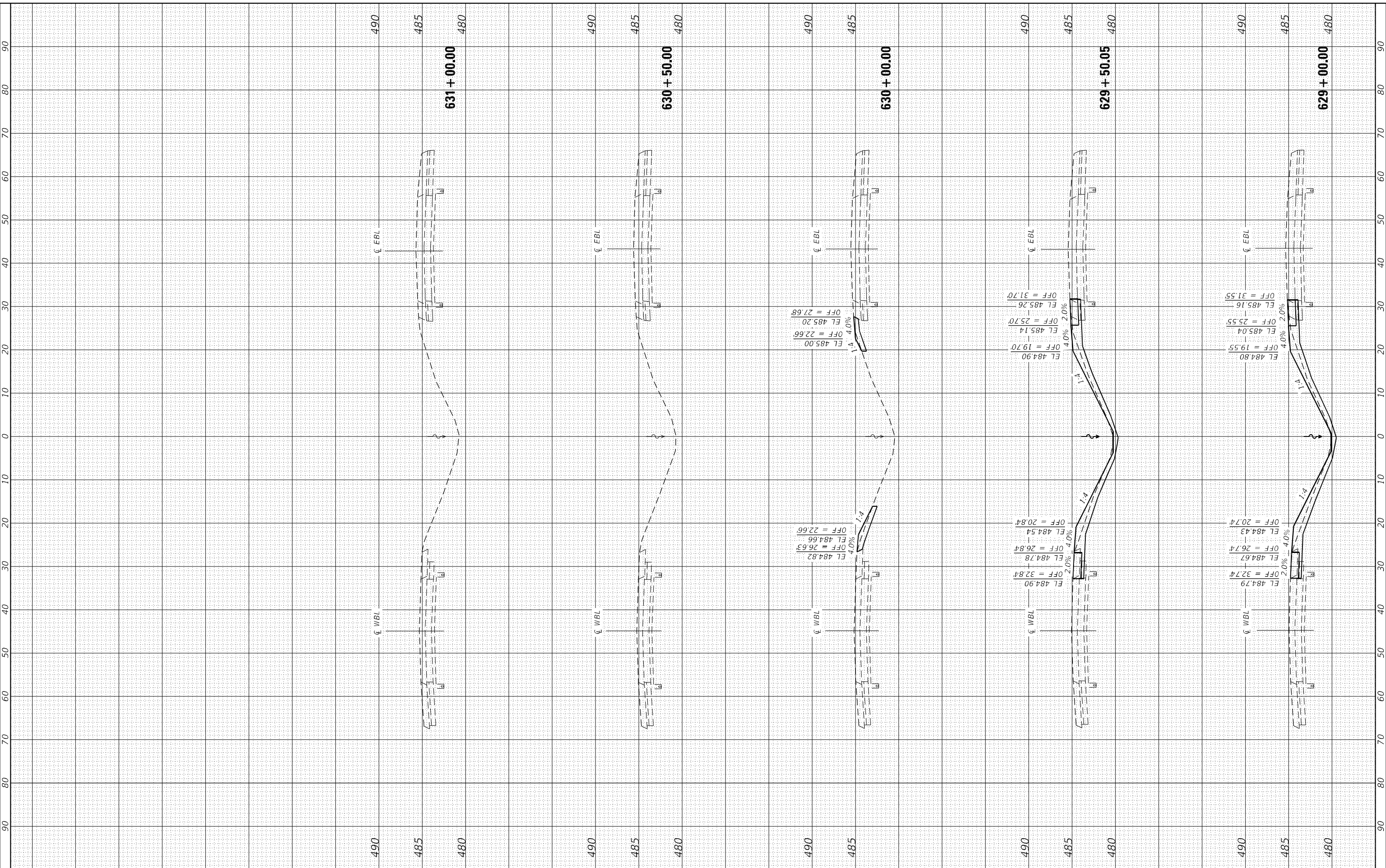
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	81
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				

* D7 BRIDGE REPAIRS 2022-4

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

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

MODEL: D:\d7\74998\shc-Xsect.dgn
FILE NAME: 013-D774948-shc-Xsect.dgn



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB =
FILE NAME = 013-D774948-shc-Xsect.dgn
PLOT SCALE = 20,000' / in.
PLOT DATE = 5/24/2022

DESIGNED - TEC
DRAWN - TEC
CHECKED -
DATE - 7-5-21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=10'
SHEET OF SHEETS STA. 629+00.00 TO STA. 631+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	FAYETTE	82	82
CONTRACT NO. 74998				
ILLINOIS FED. AID PROJECT				