

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

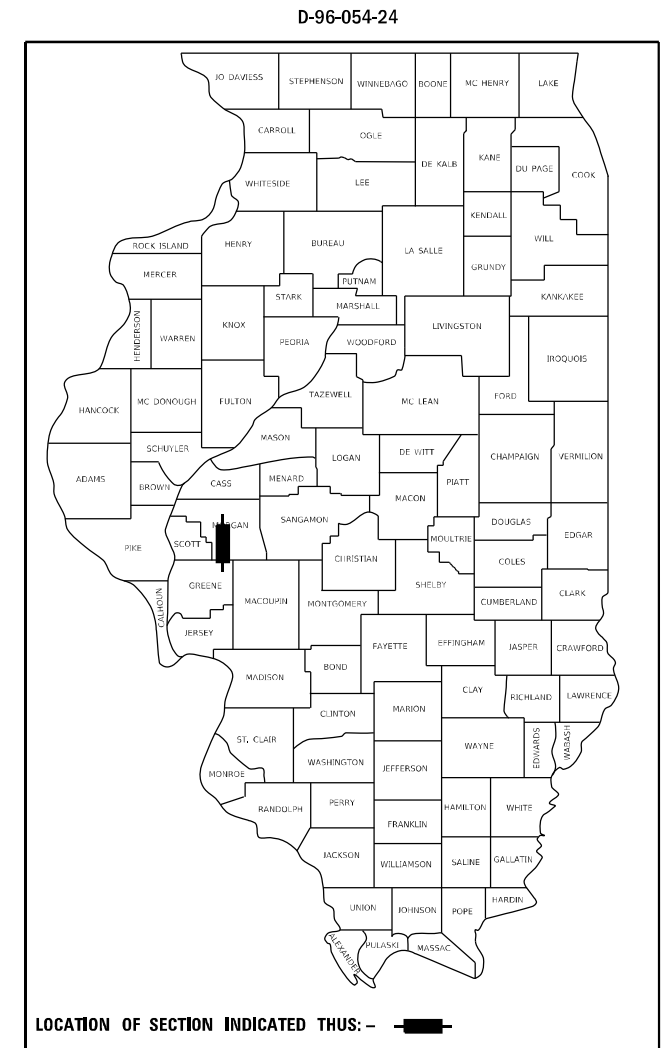
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	1
		ILLINOIS	CONTRACT NO. 72745	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED CONTRACT MAINTENANCE

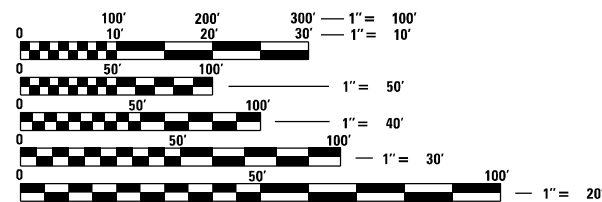
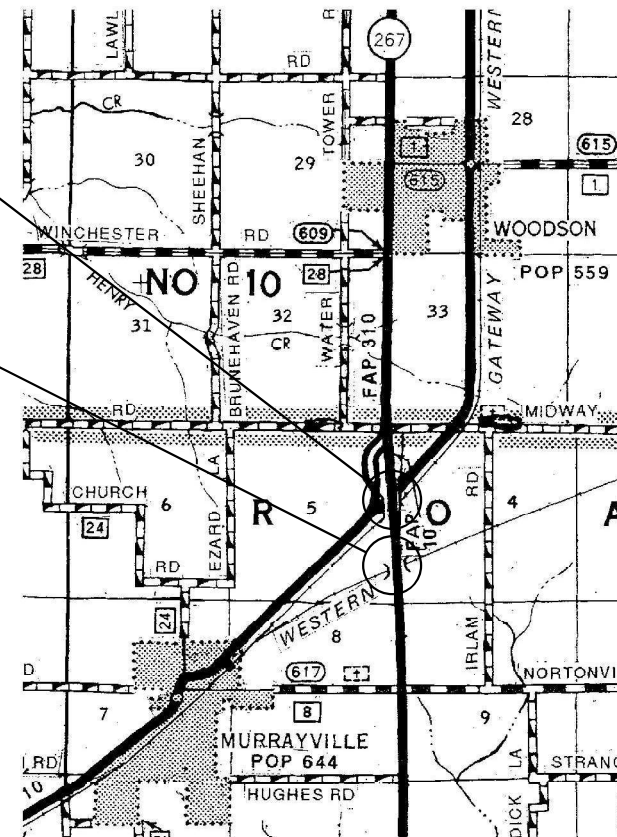
FAP ROUTE 10 (IL 267)  
SECTION (6VBR,6VBR-1)BDR,BJR  
PROJECT (STATE)  
BRIDGE DECK REPAIRS  
MORGAN COUNTY

C-96-076-24



LOCATION #1  
SN 069-0024  
IL 267 OVER TR 182A/HWY 967  
& KCSRR  
0.3 MI S MURRAYVILLE RD

LOCATION #2  
SN 069-0025  
IL 267 OVER KCSRR  
0.8 MI S MURRAYVILLE RD



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

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY - (217) 785-9290

GROSS LENGTH = 2830 FT. = 0.54 MILE  
NET LENGTH = 445 FT. = 0.08 MILE

CONTRACT NO. 72745

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 12, 2024

*[Signature]*  
REGIONAL ENGINEER

October 4, 2024  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

October 4, 2024  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX, STANDARDS, SIGNATURES, GENERAL NOTES, & SCHEDULES
3-4	SUMMARY OF QUANTITIES
5	TYPICAL ROADWAY SECTION
6	STAGING PLAN
7-8	TRAFFIC CONTROL PLANS
9-15	SN 069-0024 BRIDGE PLANS
16-17	SN 069-0025 BRIDGE PLANS

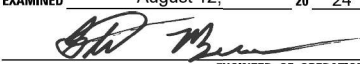


GENERAL NOTES:

STANDARDS

- 000001-08
- 001001-02
- 001006
- 701001-02
- 701006-05
- 701201-05
- 701301-04
- 701311-03
- 701316-13
- 701321-18
- 701901-09
- 704001-08
- 780001-05
- 782006-01

PAVEMENT MARKING REMOVAL SCHEDULE						
STA	TO	STA	LOC.	LINE TYPE	PAVT MARK REM (SQ FT)	
069-0025						
STAGE I						
943+60	-	946+00	☉	SOLID/SKIP	125	
945+44	-	949+16	LT	SOLID	155	
948+60	-	951+00	☉	SOLID/SKIP	125	
STAGE II						
945+44	-	949+16	RT	SOLID	155	
069-0024						
STAGE I						
962+10	-	964+50	☉	SOLID/SKIP	125	
963+93	-	970+07	LT	SOLID	256	
969+50	-	971+90	☉	SOLID/SKIP	125	
STAGE II						
963+93	-	970+07	RT	SOLID	256	
					TOTAL	1322

NOTE: PAINT PAVEMENT MARKING LINE QUANTITIES ASSUME REPAINTING 100% OF PAVEMENT MARKINGS BETWEEN STOP BARS AT BOTH LOCATIONS.

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	August 12, 20 24
 <b>ENGINEER OF OPERATIONS</b>	
EXAMINED	August 7, 20 24
 <b>ENGINEER OF PROJECT IMPLEMENTATION</b>	
EXAMINED	August 5, 20 24
 <b>ENGINEER OF PROGRAM DEVELOPMENT</b>	

MODEL: D:\p\h\l  
 FILE NAME: S:\Addresses\Bridges\Bridges\CAD\72745 - 0690024 & 0025\_patching\planbook.dgn

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INDEX OF SHEETS, GENERAL NOTES, STANDARDS, SCHEDULES, &amp; SIGNATURES</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	2
CONTRACT NO. 72745				
ILLINOIS FED. AID PROJECT				

0-02179-6016	0-02179-6016
SN 069-0024	SN 069-0025
100% STATE	100% STATE
BRIDGE/RURAL	BRIDGE/RURAL
0047	0047
MORGAN	MORGAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/RURAL 0047 MORGAN	BRIDGE/RURAL 0047 MORGAN
50102400	CONCRETE REMOVAL	CU YD	14.7	14.7	0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	14.5	14.5	0
50300300	PROTECTIVE COAT	SQ YD	150	102	48
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2140	2140	0
50800515	BAR SPLICERS	EACH	24	24	0
52000110	PREFORMED JOINT STRIP SEAL	FOOT	100	100	0
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	10	0	10
67100100	MOBILIZATION	L SUM	1	0.7	0.3
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	0	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	180	90	90

REV - MS

MODEL: C:\default  
FILE NAME: SUB\bridges\bridgeplans\_CAD\72745 - 0690024 & 0025 matchingplansheet.dgn

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	3
			CONTRACT NO. 72745	
		ILLINOIS FED. AID PROJECT		

0-02179-6016	0-02179-6016
SN 069-0024	SN 069-0025
100% STATE	100% STATE
BRIDGE/RURAL	BRIDGE/RURAL
0047	0047
MORGAN	MORGAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/RURAL 0047 MORGAN	BRIDGE/RURAL 0047 MORGAN
70400100	TEMPORARY CONCRETE BARRIER	FOOT	600	600	0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	600	600	0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	0
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	0
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	6000	3595	2405
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1322	762	560
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	0.5	0.5
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	1	0	1
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	60	20	40
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	30	30	0
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5	5	0
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	43	36	7
Z0032500	JOINT SEALING (PATCHES)	FOOT	1900	1100	800
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.5	0.5

\* SPECIALTY ITEM

MODEL: Default  
FILE NAME: S:\Addresses\Bridges\Bridges\_CAD\72745 - 0690024 & 0025\_patch.dwg  
DATE: 8/12/2024

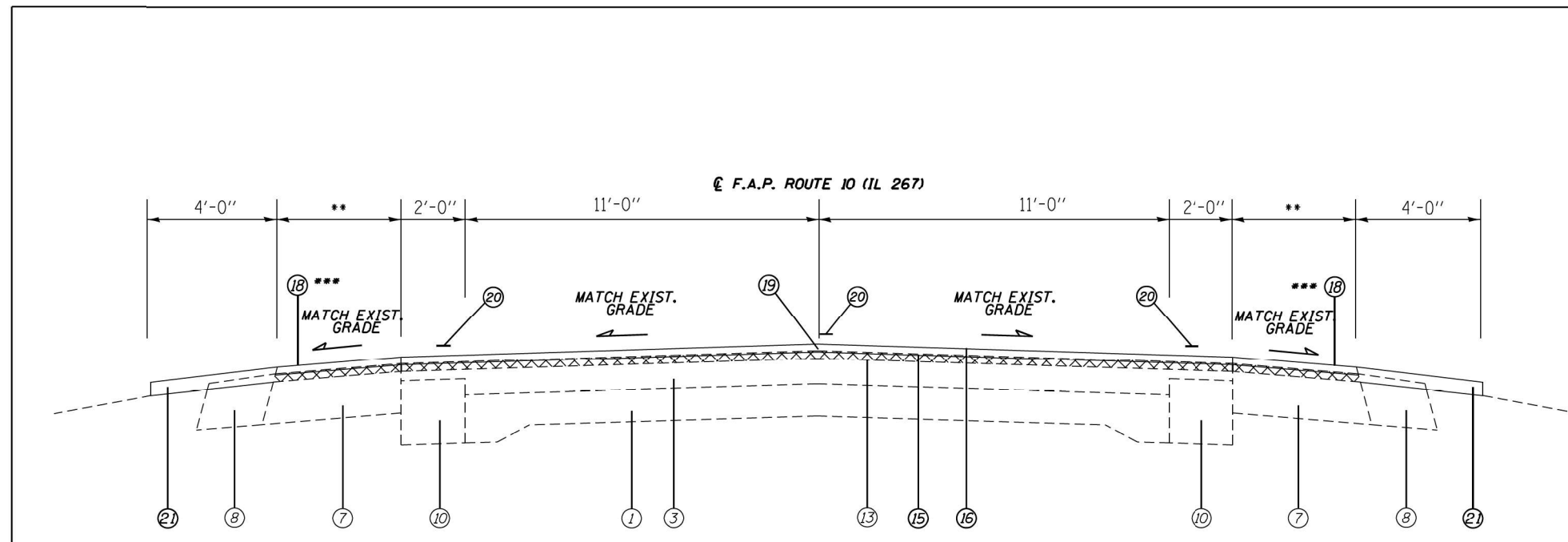
USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

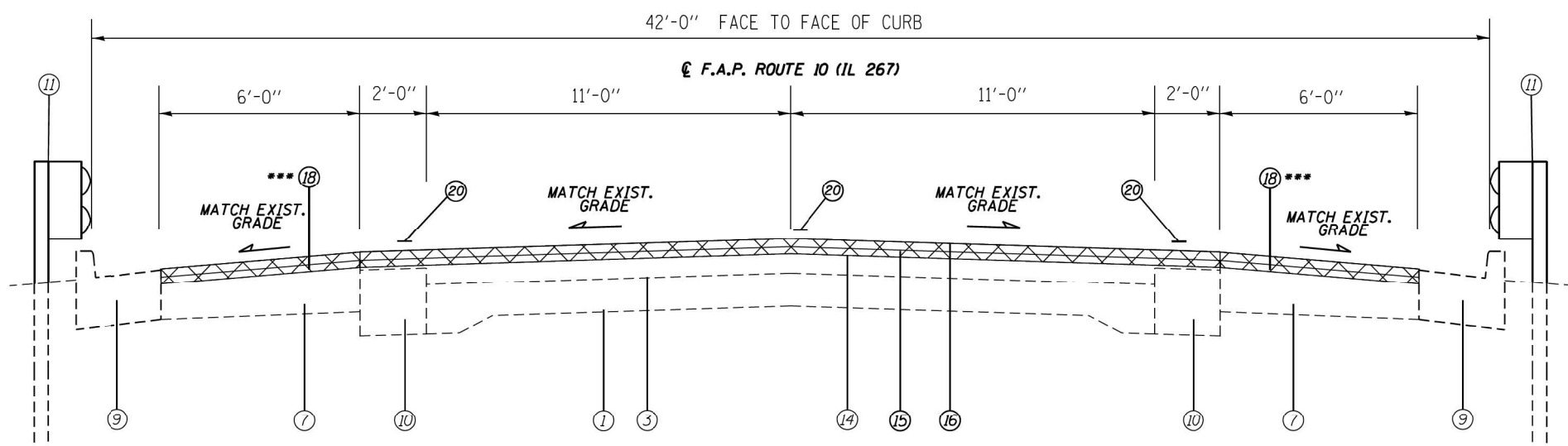
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	4
			CONTRACT NO. 72745	
		ILLINOIS	FED. AID PROJECT	



**PROPOSED TYPICAL SECTION**  
 (11) STA 931+60 TO STA 936+51.00 (491')  
 (15) STA 978+00 TO STA 979+87.25 (187')  
 (16) STA 982+16 TO STA 984+42 (226')

**STATION EQUATION**  
 979+87.25 BK = 980+06.48 AH



**PROPOSED TYPICAL SECTION**  
 (12) STA 936+76.00 TO STA 946+00.00 (924')  
 (13) STA 948+34.60 TO STA 965+15.00 (1680.40')  
 (14) STA 968+74.71 TO STA 978+00 (925.29')

**BRIDGE OMISSION #1**  
 STA 946+00.00 TO STA 948+34.60

**BRIDGE OMISSION #2**  
 STA 965+13.00 TO STA 968+74.71

- LEGEND**
- ① EXIST. P.C.C PAVEMENT (9-6-9)
  - ② EXIST. PCC PAVEMENT 9"
  - ③ EXIST. BITUMINOUS CONCRETE RESURFACING 6 1/4" NOMINAL & VARIES
  - ④ EXIST. METAL JOINT
  - ⑤ EXIST. #4 TIE BAR
  - ⑥ EXIST. PAVEMENT FABRIC
  - ⑦ EXIST BITUMINOUS SHOULDER
  - ⑧ EXIST. AGGREGATE SHOULDER
  - ⑨ EXIST. B-6.24 CURB & GUTTER
  - ⑩ EXIST. BASE COURSE WIDENING
  - ⑪ EXIST. GUARDRAIL
  - ⑫ EXIST. GUTTER, TYPE B
  - ⑬ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"
  - ⑭ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 3/4"
  - ⑮ PROP. HOT-MIX ASPHALT BINDER COURSE, (1 1/4")
  - ⑯ PROP. HOT-MIX ASPHALT SURFACE COURSE (1 1/2")
  - ⑰ PROP. HOT-MIX ASPHALT SHOULDERS, 6.5"
  - ⑱ PROP. HOT-MIX ASPHALT SHOULDERS (1.5")
  - ⑲ PROP. LONGITUDINAL JOINT SEALER
  - ⑳ PROP. PAINT PAVEMENT MARKING LINE, 5"
  - ㉑ PROP. AGGREGATE SHOULDERS, TYPE B
  - ㉒ PROP. GUTTER, TYPE A
  - ㉓ PROP. SHOULDER RUMBLE STRIP
  - ㉔ PROP. GUTTER REMOVAL
  - ㉕ PROP. EXCAVATING & GRADING EXISTING SHOULDER

\*\*\* PLACE HMA SHOULDERS IN 2 SEPARATE LIFTS

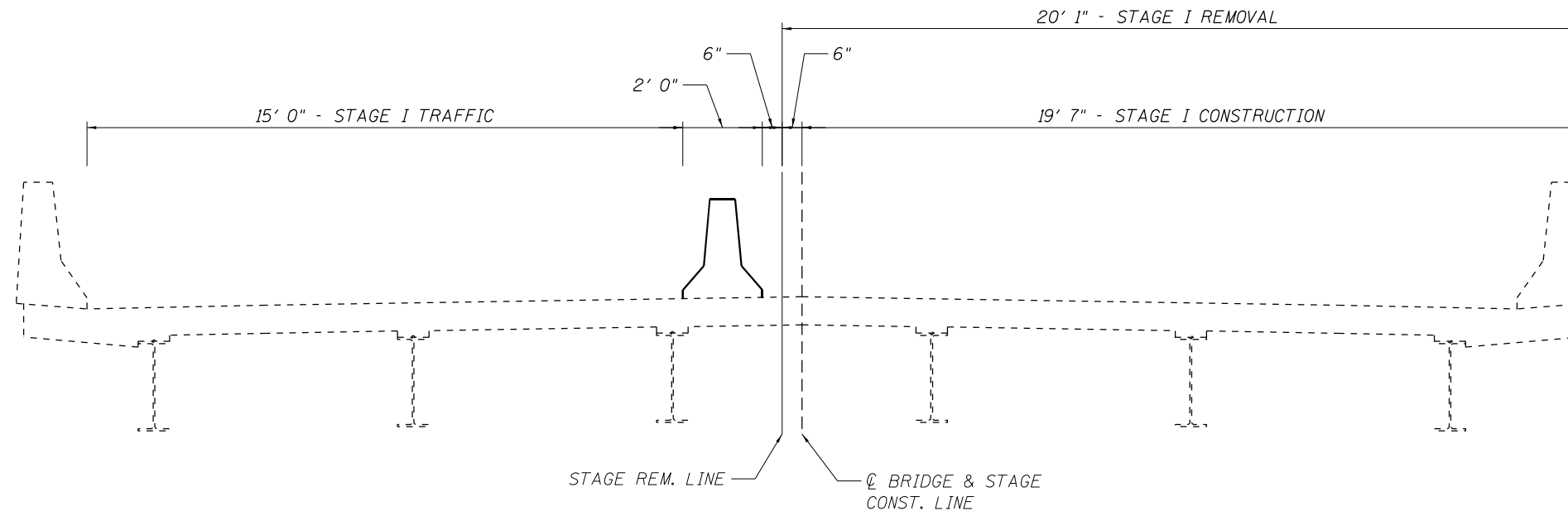
\*\* HMA SHOULDER WIDTHS  
 VARIES 3'-0" TO 8'-0" FROM STA 934+00 TO 937+00  
 VARIES 8'-0" TO 3'-0" FROM STA 978+00 TO 979+98  
 2'-0" FROM STA 931+60 TO 934+00  
 STA 982+16 TO 984+42

NOT TO SCALE

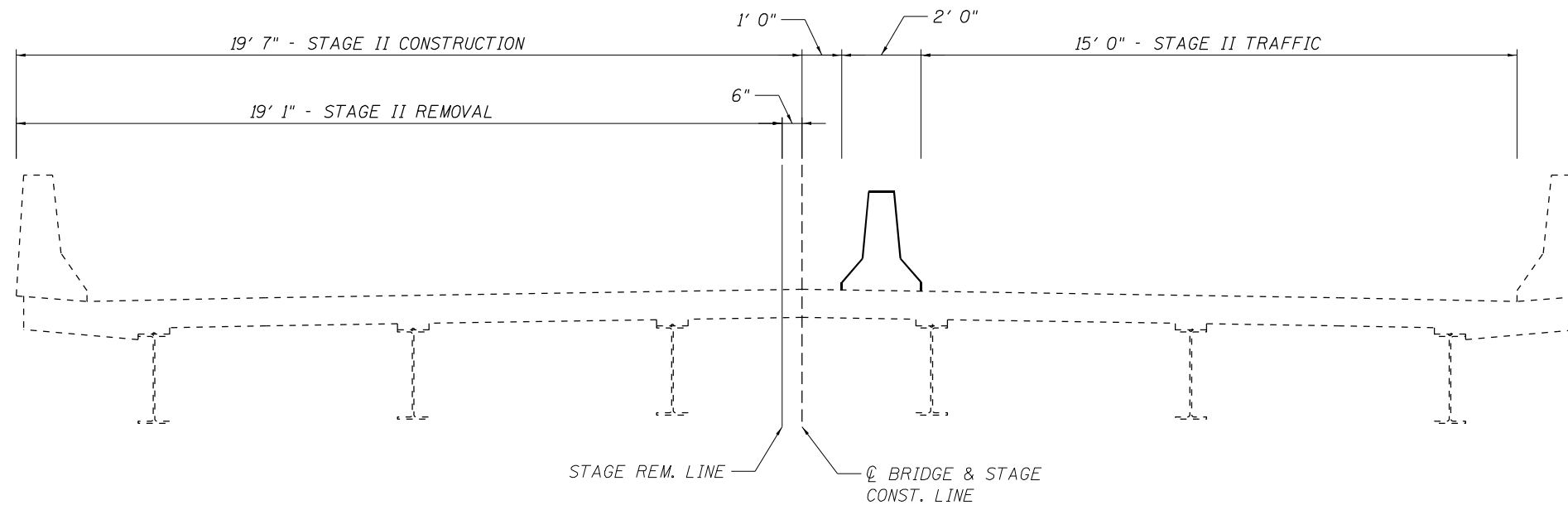
USER NAME = ccsjw DESIGNED - DRAWN - PLOT SCALE = 5000,0000 ' / in. CHECKED - PLOT DATE = 10/29/2021 DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b> SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.	F.A.P. RTE. 10 SECTION (5)RS-3, (6)RS-5 COUNTY MORGAN TOTAL SHEETS 109 SHEET NO. 14 CONTRACT NO. 72F91 ILLINOIS FED. AID PROJECT
---	--	--	--	--	--

USER NAME = Brandon.Dudley DESIGNED - DRAWN - PLOT SCALE = 100,0000 ' / in. CHECKED - PLOT DATE = 8/12/2024 DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL SECTIONS          (FOR INFORMATION ONLY)</b> SCALE: SHEET OF SHEETS STA. TO STA.	F.A.P. RTE. 10 SECTION (6VBR,6VBR-1)BDR,BJR COUNTY MORGAN TOTAL SHEETS 17 SHEET NO. 5 CONTRACT NO. 72745 ILLINOIS FED. AID PROJECT
--	--	--	--	---	--

MODEL: Default  
 FILE NAME: S:\Addresses\Bridges\Bridges\_CAD\72745 - 0690034 & 0025\_matching\Bridges.dgn



**STAGE I TRAFFIC, LOOKING NORTH**



**STAGE II TRAFFIC, LOOKING NORTH**

NOTE: SN 069-0024 WITH STANDARD 701321 SHOWN. SN 069-0025 WITH STANDARD 701316 IS SIMILAR WITH BARRELS IN PLACE OF TEMPORARY CONCRETE BARRIER

MODEL: Default  
FILE NAME: S:\Addresses\Bridges\bars\_CAD\72745 - 0690024 & 0025\_patch\stage1\stage1.dwg

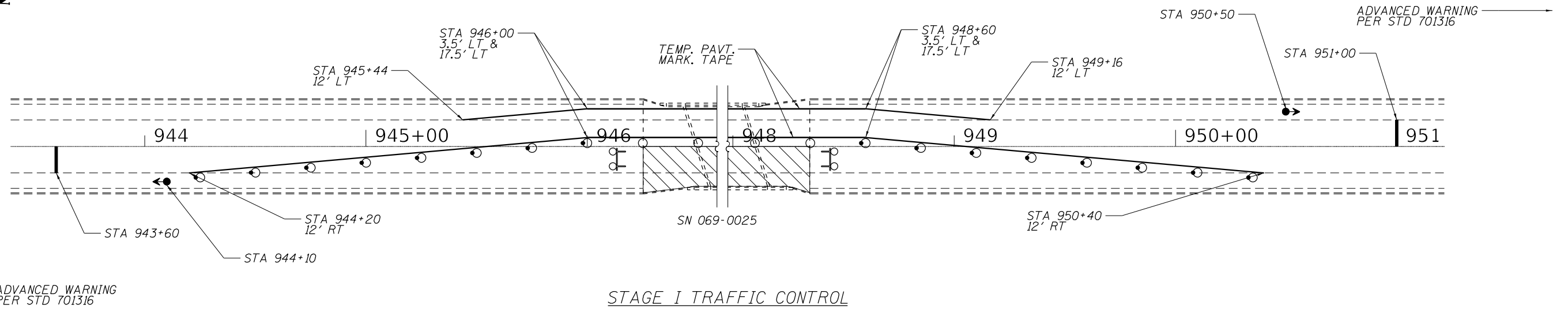
USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

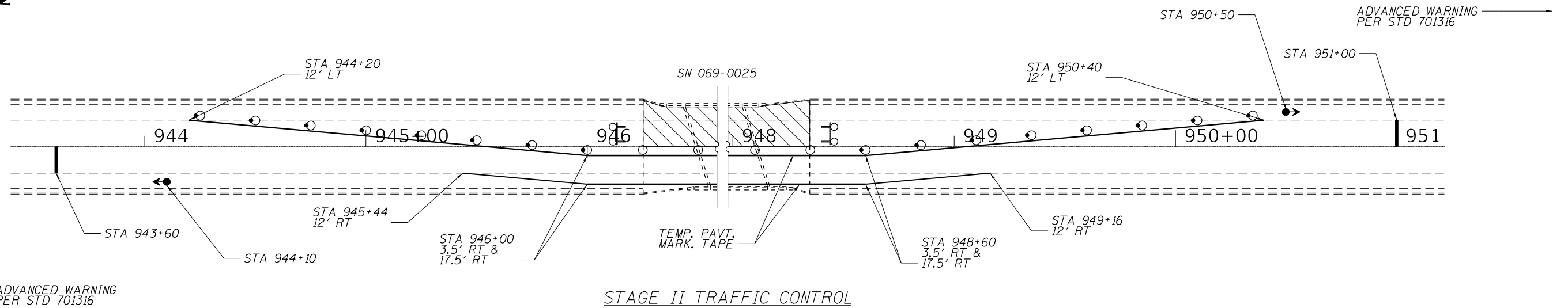
**TRAFFIC STAGING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	6
CONTRACT NO. 72745			ILLINOIS FED. AID PROJECT	

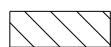






STAGE I TRAFFIC CONTROL



STAGE II TRAFFIC CONTROL

**SYMBOLS**

-  WORK AREA
-  DRUM
-  DRUW W/ STEADY BURN BI-DIRECTIONAL LIGHT
-  TRAFFIC SIGNAL
-  TYPE III BARRICADE WITH FLASHING LIGHTS

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL BE PER STANDARD 701316. DEVICES AND TEMPORARY PAVEMENT MARKINGS SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701316. TEMPORARY RUMBLE STRIPS SHALL BE PAID SEPARATELY.

MODEL: Default  
FILE NAME: S:\Addresses\Bridges\Bans\_CAD\72745 - 0690024 & 0025\_trafficcontrol\planstage.dwg

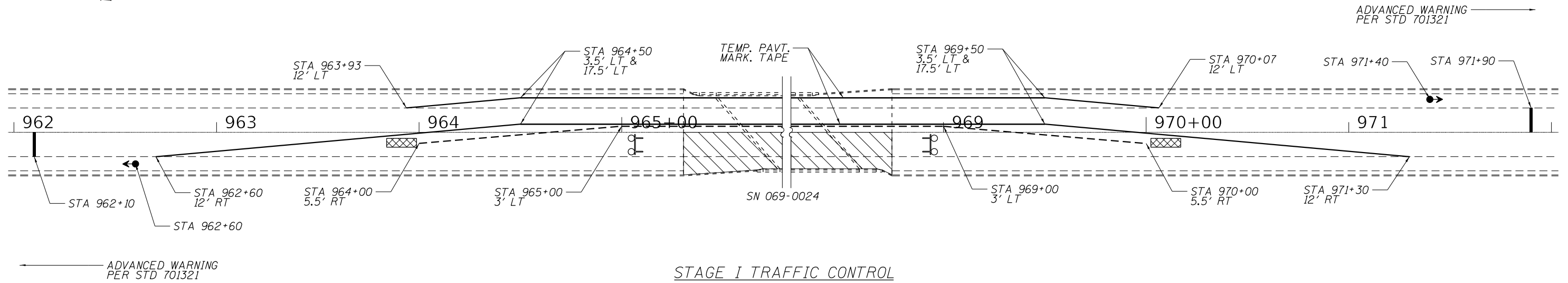
USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

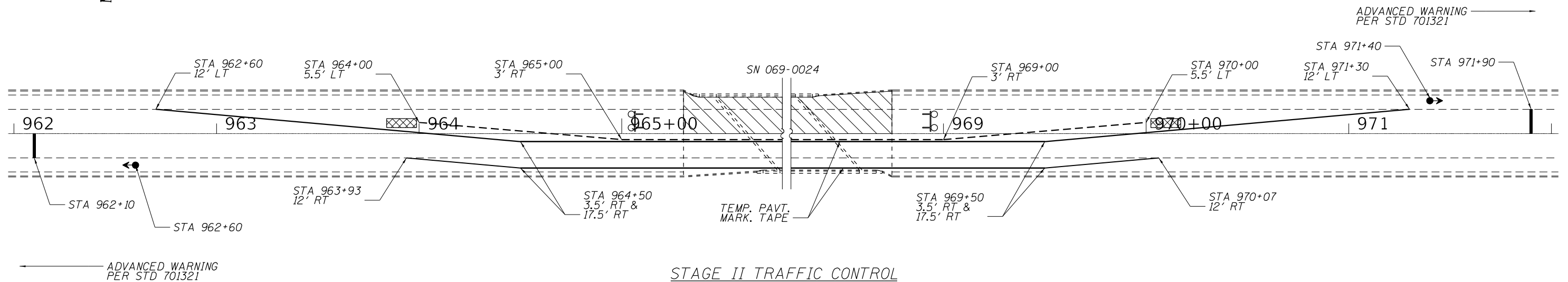
**TRAFFIC CONTROL PLAN  
SN 069-0025**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	7
			CONTRACT NO. 72745	
		ILLINOIS	FED. AID PROJECT	








STAGE I TRAFFIC CONTROL



STAGE II TRAFFIC CONTROL

**SYMBOLS**

-  WORK AREA
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR
-  TRAFFIC SIGNAL
-  TYPE III BARRICADE WITH FLASHING LIGHTS

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL BE PER STANDARD 701321. DEVICES AND TEMPORARY PAVEMENT MARKINGS SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. IMPACT ATTENUATORS, TEMPORARY RUMBLE STRIPS, AND TEMPORARY CONCRETE BARRIER SHALL BE PAID SEPARATELY.
2. TEMPORARY CONCRETE BARRIER OFFSETS GIVEN IN THIS DETAIL REFER TO THE EDGE OF THE BARRIER NEAREST TO LIVE TRAFFIC.
3. BARRIER WALL TAPERS SHALL BE 12:1 UNLESS OTHERWISE SPECIFIED.

MODEL: Default  
FILE NAME: S:\Addresses\Bridges\BDR\0690024 & 0025\_traffic\_control\BDR069.dgn

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2024	DATE -	REVISED -

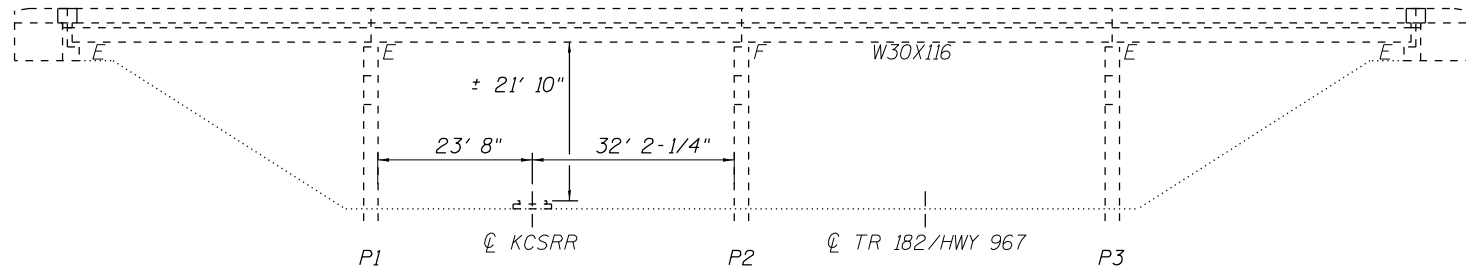
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN  
SN 069-0024**

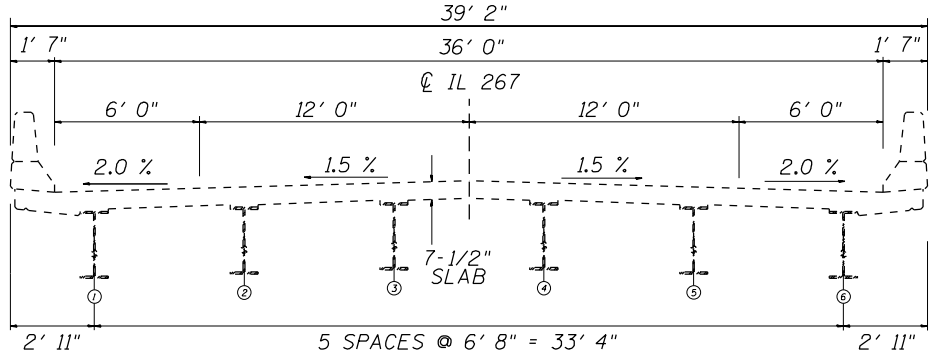
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	8
CONTRACT NO. 72745			ILLINOIS FED. AID PROJECT	

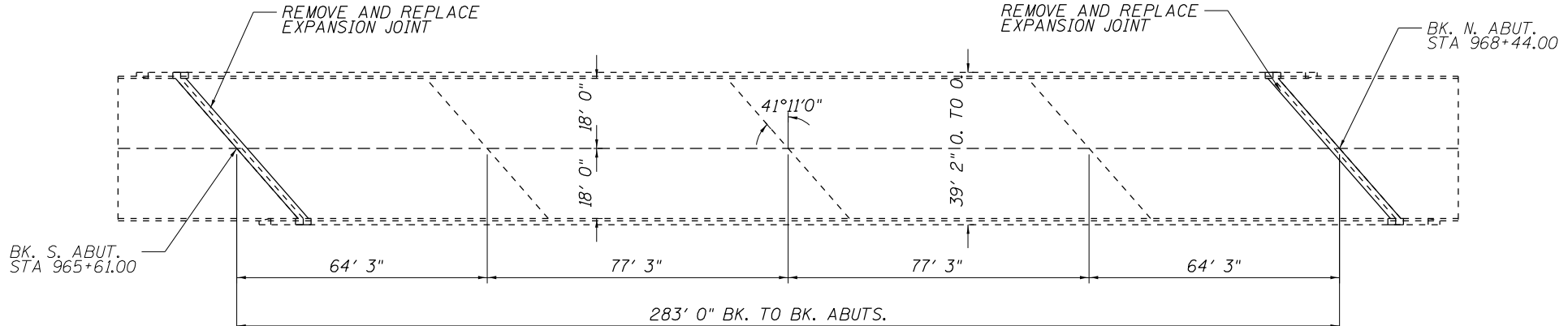




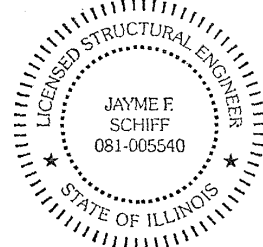
ELEVATION



CROSS SECTION  
(LOOKING NORTH)



PLAN



EXPIRES 11-30-2024

*Jayme F. Schiff*

DESIGN SPECIFICATIONS: 2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES

STRUCTURE GENERAL NOTES:

- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR 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 CONCRETE REMOVAL.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM 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 THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.
- JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50°F.
- THE ABUTMENT AND DECK SURFACES IN THE AREAS OF EXPANSION JOINT REPLACEMENT SHALL HAVE A TINED FINISH AS PER ARTICLE 420.09(e)(1) OF THE STANDARD SPECIFICATIONS, COST INCLUDED WITH CONCRETE SUPERSTRUCTURE.
- PROTECTIVE COAT SHALL ONLY BE APPLIED TO THE NEW CONCRETE DECK AND PARAPET SURFACES ADJACENT TO THE PROPOSED EXPANSION JOINTS AND TO DECK PATCHES.

TOTAL BILL OF MATERIAL (069-0024)

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	14.7
Concrete Superstructure	Cu. Yd.	14.5
Reinforcement Bars, Epoxy Coated	Pound	2140
Bar Splicers	Each	24
Preformed Joint Strip Seal	Foot	100
Protective Coat	Sq. Yd.	102
Approach Slab Repair (Partial Depth)	Sq. Yd.	20
Deck Slab Repair (Partial)	Sq. Yd.	36
Deck Slab Repair (Full Depth, Type II) *	Sq. Yd.	5
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	30
Joint Sealing (Patches)	Foot	1100

\* No full depth repairs anticipated. Nominal quantity included.

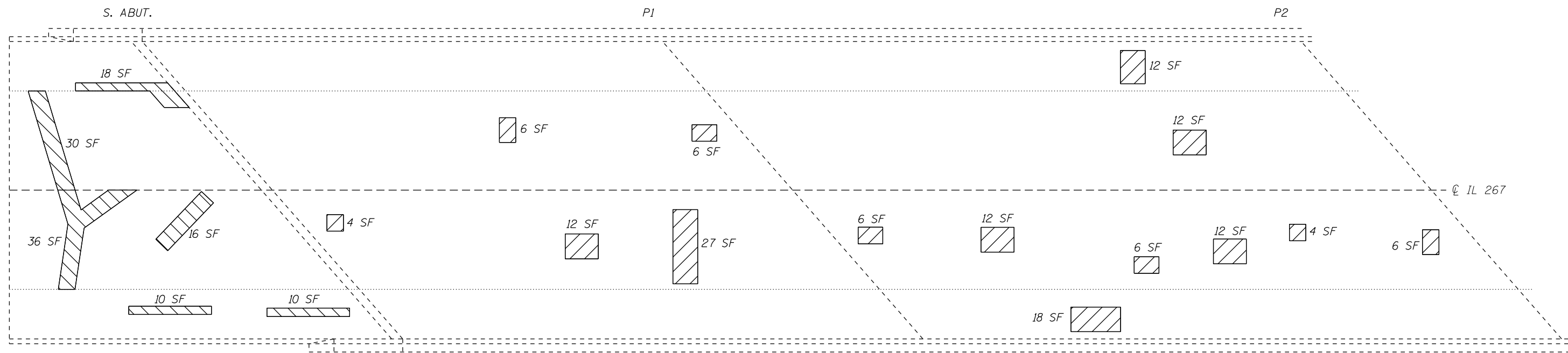
MODEL: D:\p\h\... FILE NAME: S:\bids\Bridges\069-0024 - 0690024.dwg

USER NAME = Brandon.Dudley	DESIGNED - BRANDON DUDLEY	REVISED -
	DRAWN - BRANDON DUDLEY	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/5/2024	DATE - 4/18/24	REVISED -

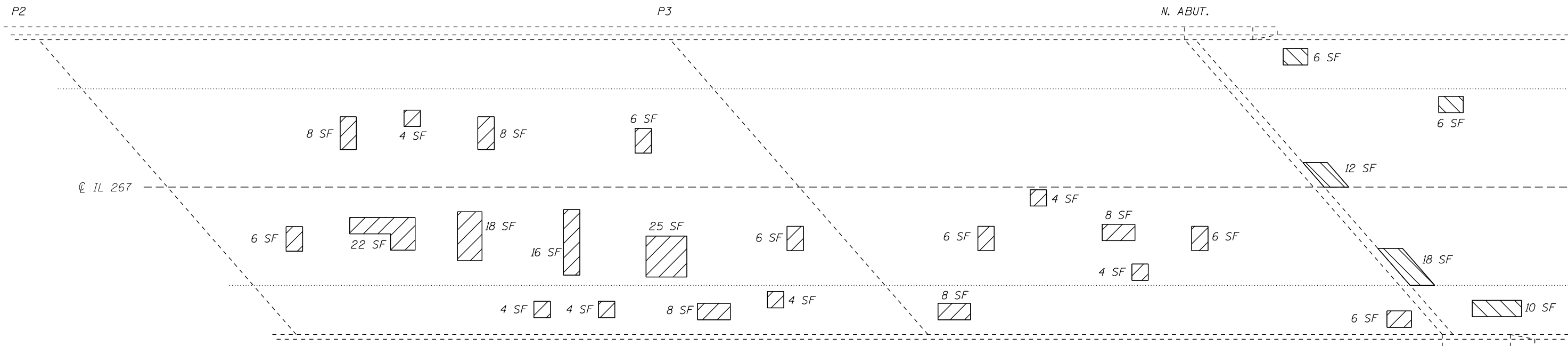
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION			
SN 069-0024			
SCALE:	SHEET 1	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	9
			CONTRACT NO. 72745	
ILLINOIS FED. AID PROJECT				



**PARTIAL PLAN**  
1 OF 2



**PARTIAL PLAN**  
2 OF 2

**NOTES:**

IDENTIFIED PATCHING LOCATIONS ARE ESTIMATED FROM A DECK SURVEY PERFORMED ON 3/18/2024. THE PATCHING SURVEY IS INCLUDED FOR INFORMATION ONLY. THE ENGINEER SHALL LAY OUT ACTUAL PATCH LOCATIONS IN THE FIELD.

THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

IF FULL DEPTH PATCHES ARE DISCOVERED, THEY SHALL BE COVERED WITH STEEL PLATES DURING NON-WORK HOURS.

JOINT SEALING (PATCHES) SHALL BE APPLIED IN LOCATIONS AS DIRECTED IN THE SPECIAL PROVISIONS, ALONG THE ENTIRE LENGTH OF ANY EXISTING STAGE CONSTRUCTION LINES, AND ALONG THE CONSTRUCTION JOINTS BETWEEN THE ABUTMENT AND APPROACHES.

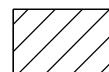
**PATCHING BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	36
Approach Slab Repair (Partial Depth)	Sq. Yd.	20
Deck Slab Repair (Full Depth, Type II) *	Sq. Yd.	5*
Joint Sealing (Patches)	Foot	1100

\* No FD patches anticipated, nominal quantity included



APPROACH SLAB REPAIR (PARTIAL DEPTH)



DECK SLAB REPAIR (PARTIAL)

MODEL: Default  
FILE NAME: S:\Addresses\Bridges\BDR\_CAD\72745 - 0690024 & 0025\_patching\BDR.dwg

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SLAB REPAIR DETAIL**  
**SN 069-0024**

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

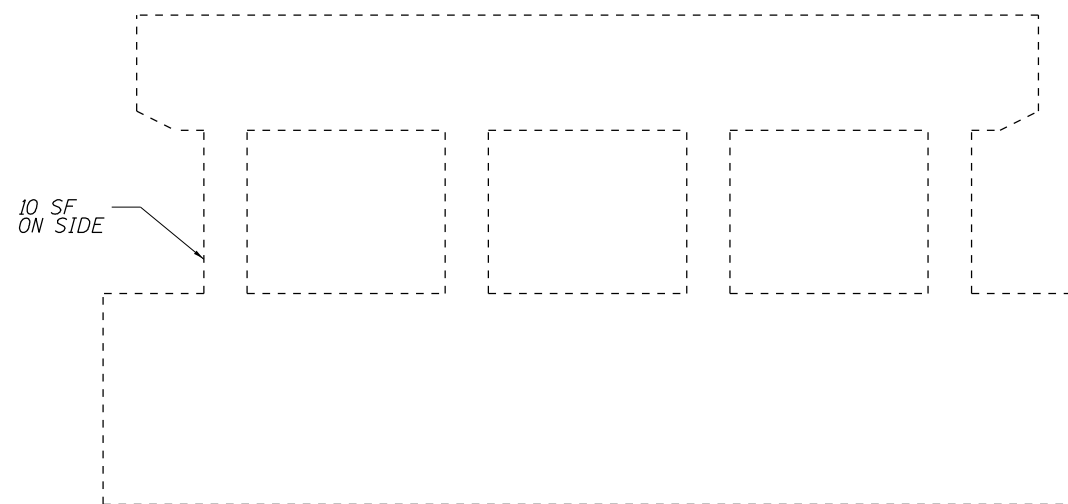
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	10
CONTRACT NO. 72745			ILLINOIS FED. AID PROJECT	



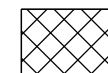
**P1 ELEVATION**  
**(SOUTH FACE)**



**P3 ELEVATION**  
**(SOUTH FACE)**



**P2 ELEVATION**  
**(SOUTH FACE)**



STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")

**SUBSTRUCTURE REPAIR BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	30

MODEL: Default  
 FILE NAME: S:\Addresses\Bridges\Bridges\_CAD\72745 - 0690024 & 0025\_patch\dwg\brkrcs.dwg

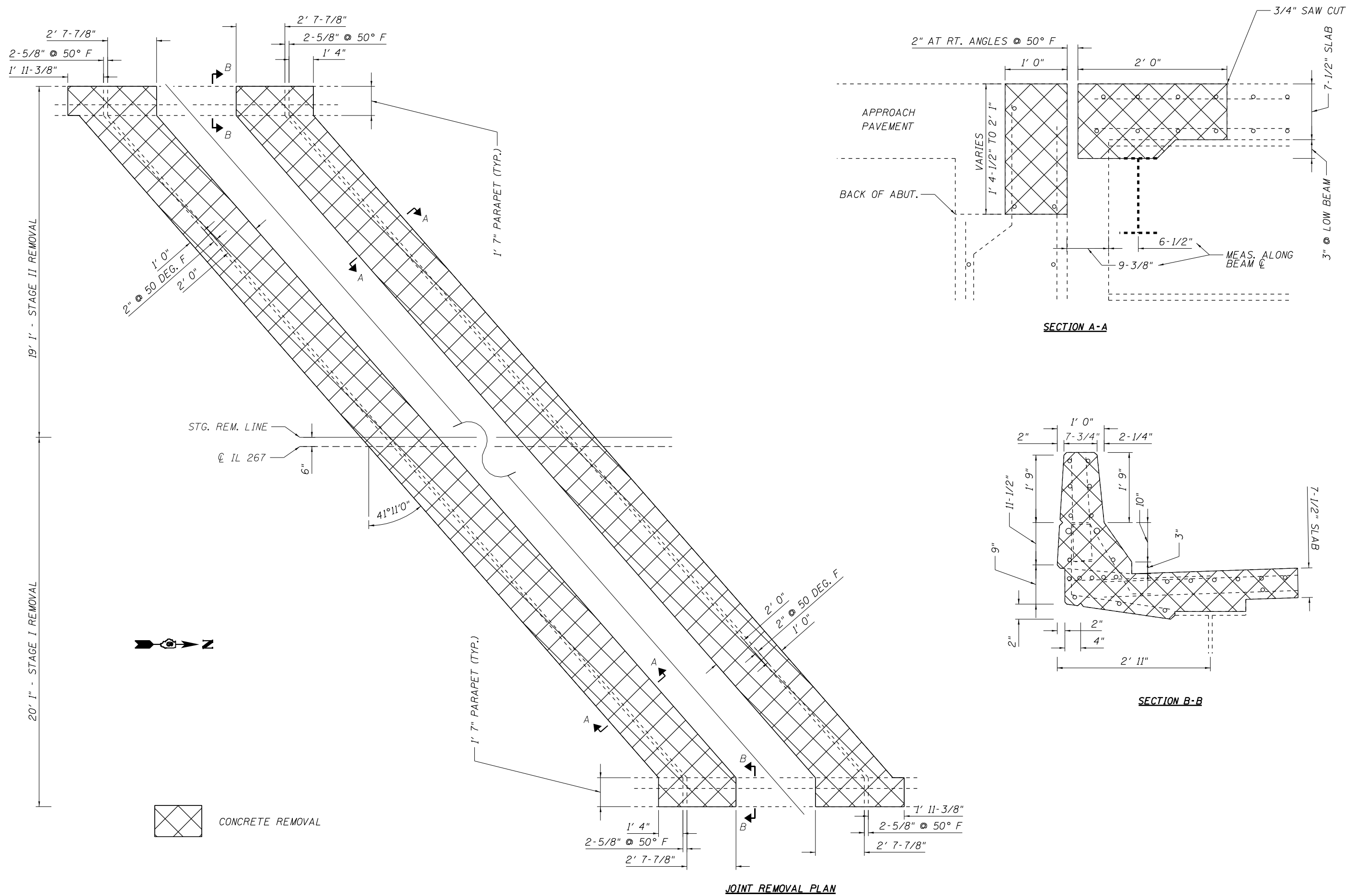
USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/5/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE REPAIR DETAIL**  
**SN 069-0024**

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72745	



MODEL: Default  
 FILE NAME: S:\Addresses\Bridges\Bridges\_CAD\72745 - 0690024 & 0025\_patch\jointremoval.dwg

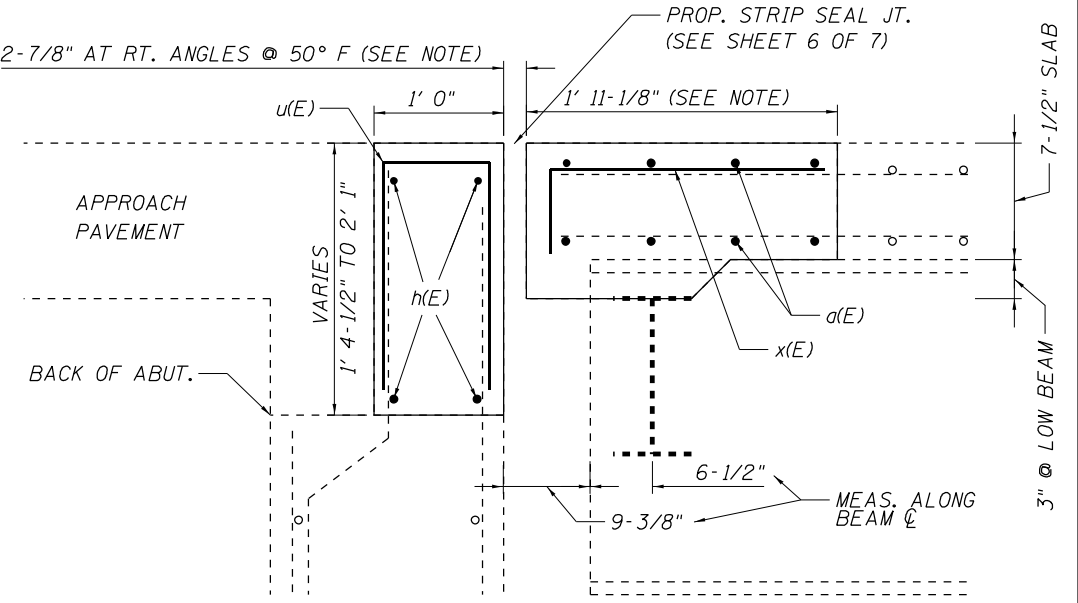
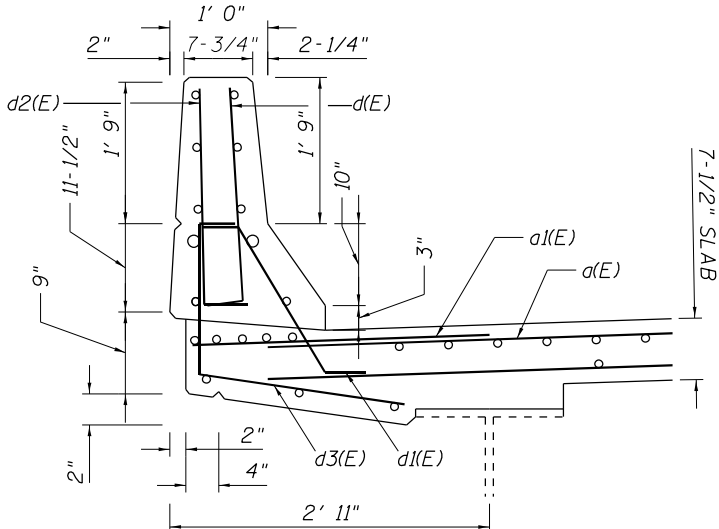
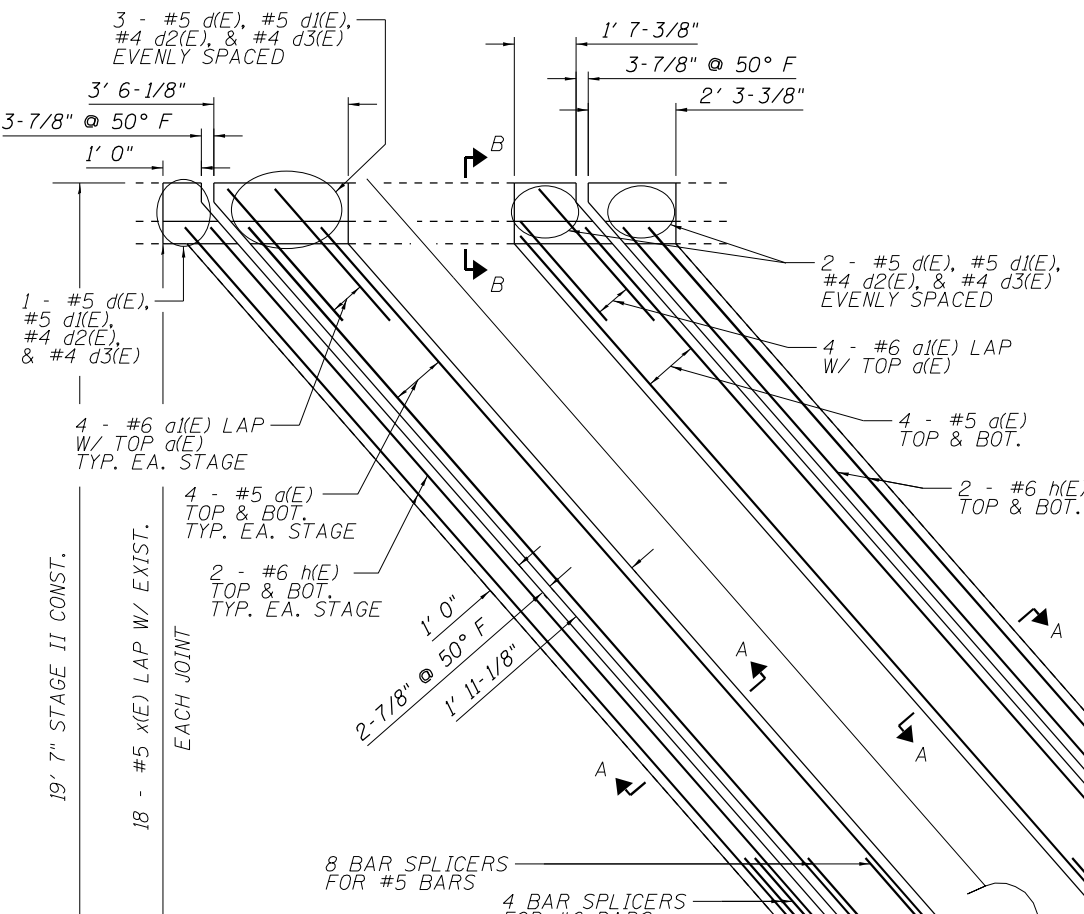
USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2024	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

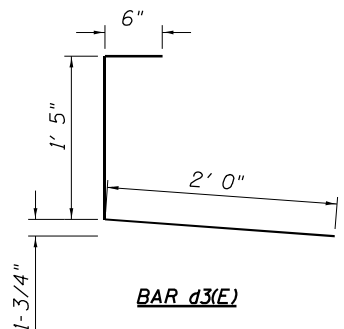
JOINT REMOVAL DETAIL  
 SN 069-0024

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	12
CONTRACT NO. 72745				
ILLINOIS FED. AID PROJECT				



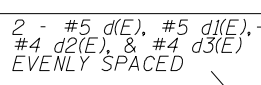
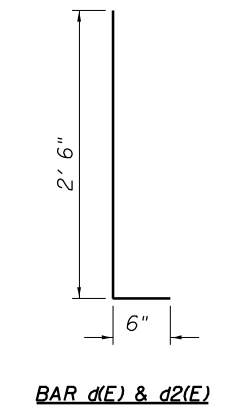
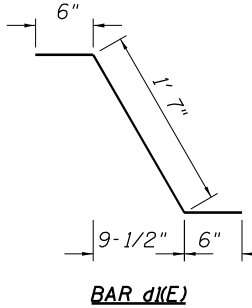
NOTE: DIMENSIONS BASED ON ROLLED RAIL JOINT (SEE SHEET 6 OF 7)



BILL OF MATERIAL - 2 JOINTS

BAR	#	SIZE	LENGTH	SHAPE
d(E)	32	#5	24' 2"	—
d1(E)	16	#6	4' 0"	—
d(E)	16	#5	3' 0"	L
d1(E)	16	#5	2' 7"	L
d2(E)	16	#4	3' 0"	L
d3(E)	16	#4	3' 11"	L
h(E)	16	#6	24' 2"	—
u(E)	108	#5	2' 8"	U
x(E)	72	#5	2' 5"	L

	POUND	TOTAL SHEETS
REINFORCEMENT BARS (EPOXY COATED)	2140	
CONC. SUPERSTRUCTURE	14.5	
CONC. REMOVAL	14.7	
BAR SPLICERS	24	



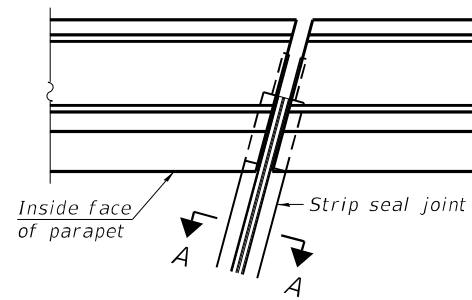
JOINT REMOVAL PLAN

USER NAME = Brandon,Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/5/2024	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

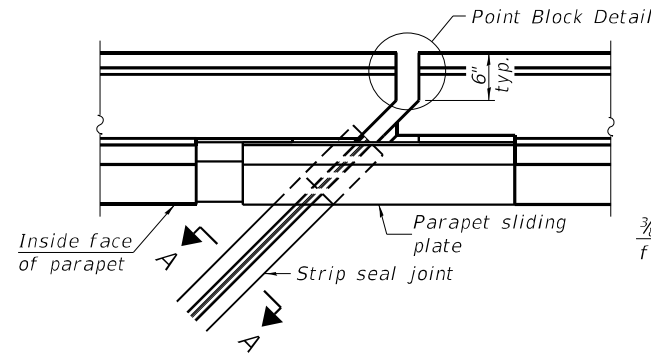
SCALE:	JOINT DETAIL SN 069-0024			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SHEET 5 OF 7 SHEETS	STA.	TO STA.	10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	13
				CONTRACT NO. 72745				

MODEL: Default  
 FILE NAME: S:\Bids\Bids\p\bars\_CAD\72745 - 0690024 & 0025\_patch.dwg  
 USER: bndudley

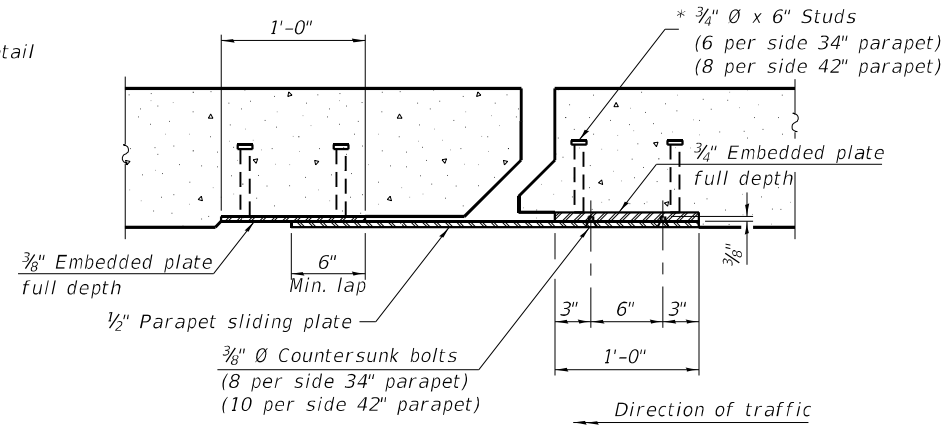


FOR SKEWS  $\leq 30^\circ$

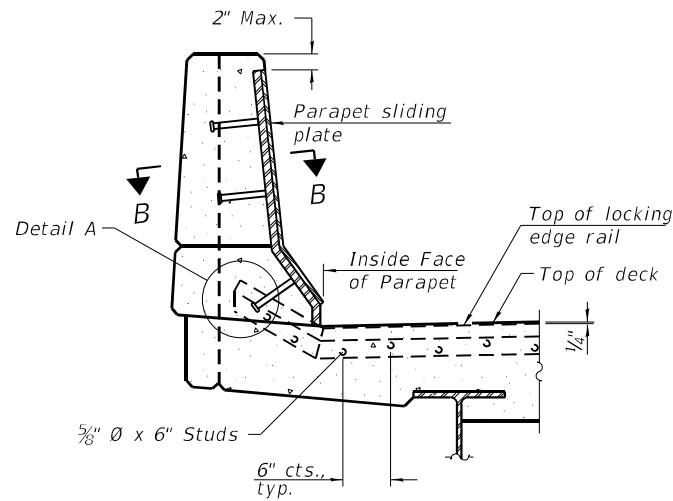
PLAN AT PARAPET



FOR SKEWS  $> 30^\circ$

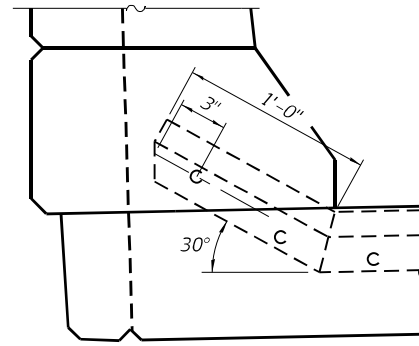


SECTION B-B

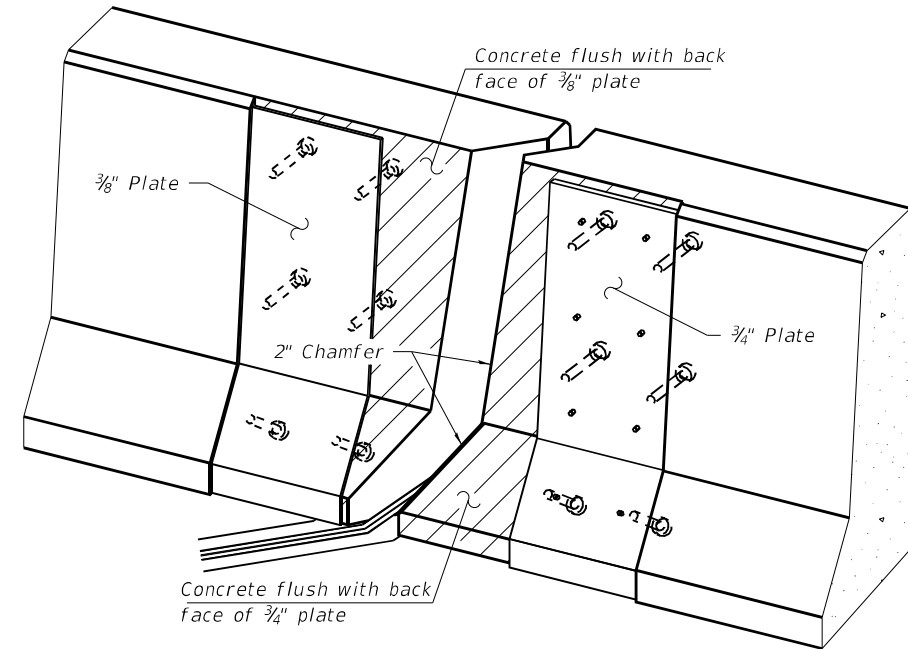


ELEVATION AT PARAPET

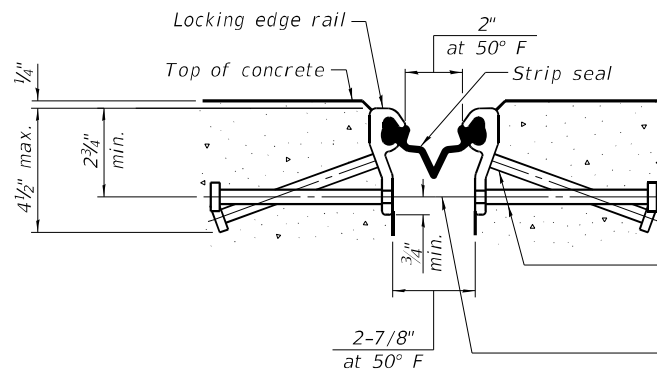
(Skews  $> 30^\circ$  shown. Skews  $\leq 30^\circ$  similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW  
(Showing embedded plates only)



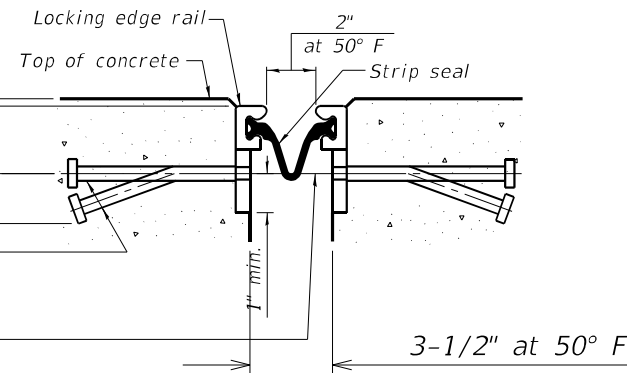
SHOWING ROLLED RAIL JOINT

\*  $3/8$ "  $\phi$  x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

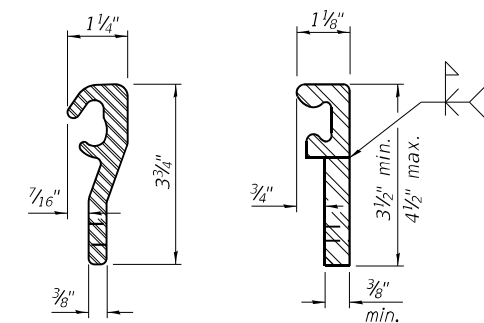
$3/8$ "  $\phi$  threaded rods in  $1/16$ "  $\phi$  holes at  $\pm 4$ "-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

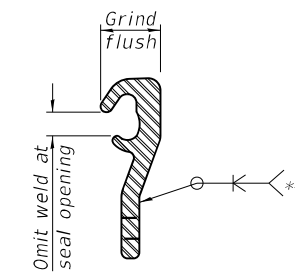


SHOWING WELDED RAIL JOINT



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	100

MODEL Path: \\s:\projects\Bridges\0690024\_0025\_preformedjointstripseal.dgn  
FILE NAME: \\s:\projects\Bridges\0690024\_0025\_preformedjointstripseal.dgn

EJ-SS

8-11-17

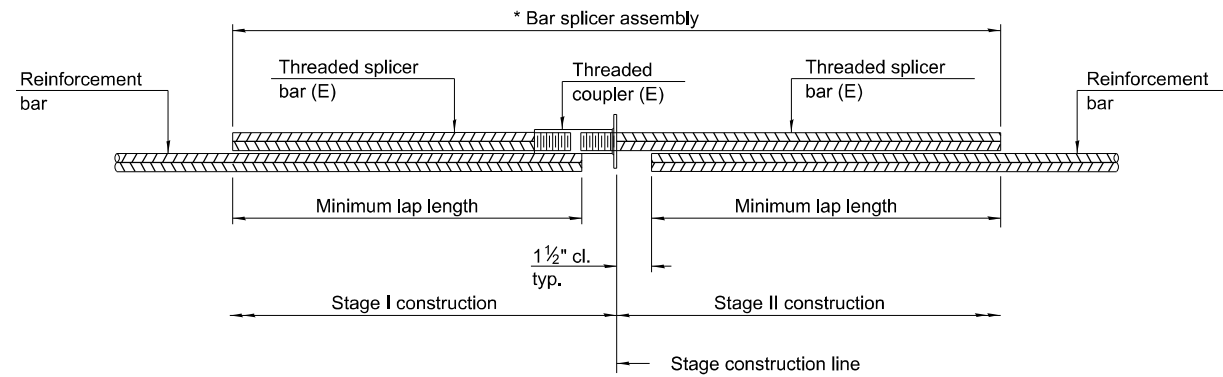
USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/12/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL  
STRUCTURE NO. 069-0024

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 10	SECTION (6VBR,6VBR-1)BDR,BJR	COUNTY MORGAN	TOTAL SHEETS 17	SHEET NO. 14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72745	



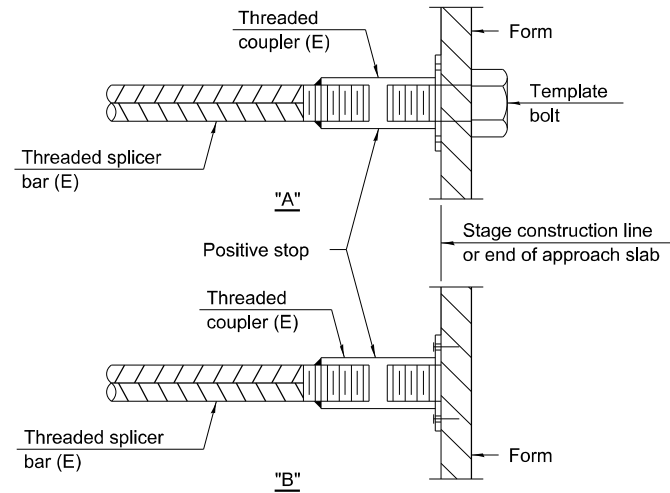
**STANDARD BAR SPLICER ASSEMBLY PLAN**

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

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

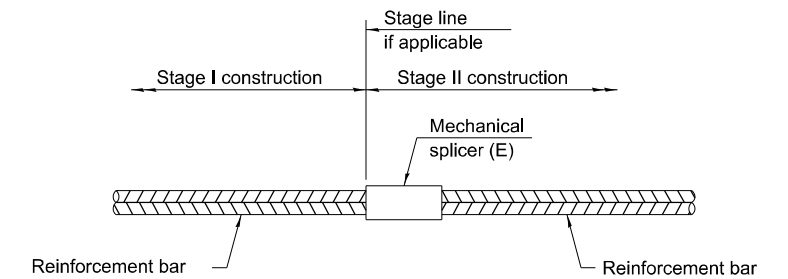
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Joints (Deck Side)	#5	16	3' 6"
Joints (Appr. Side)	#6	8	4' 0"



**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

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: D:\p\h\...  
 FILE NAME: S:\Addresses\Bridges\bars\_CAD\72745 - 0690024 & 0025\_patch\p\h\bar\_splc.asd

BSD-1 5-15-2023

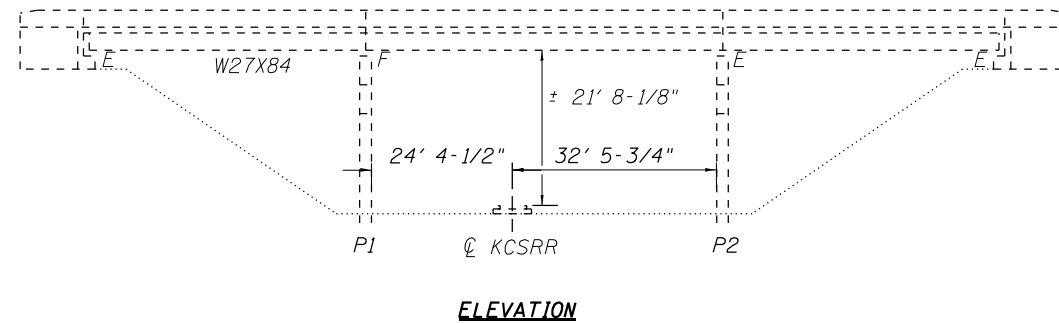
USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/5/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

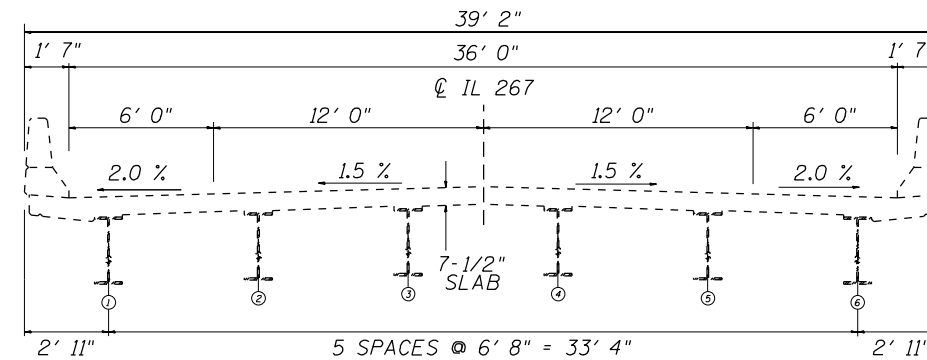
**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
 STRUCTURE NO. 069-0024**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	15
				CONTRACT NO. 72745
ILLINOIS FED. AID PROJECT				



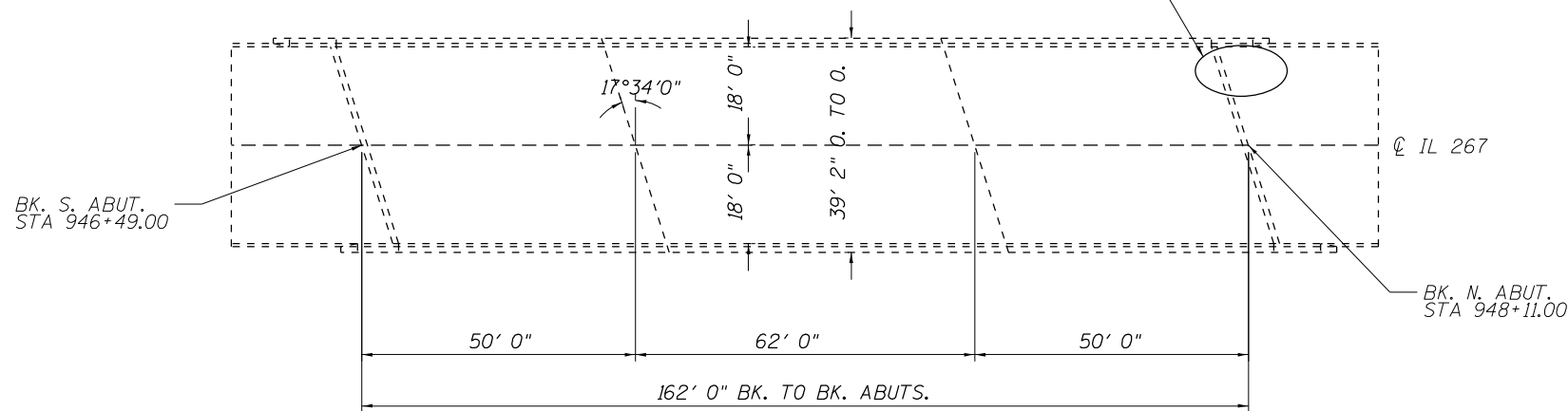
ELEVATION



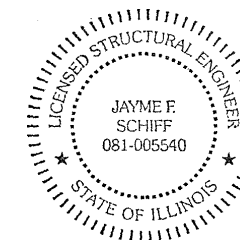
CROSS SECTION  
(LOOKING NORTH)



FILL VOIDED AREA  
UNDER APPROACH AND  
ABUTMENT WITH CLSM



PLAN



EXPIRES 11-30-2024

*Jayme F. Schiff*

DESIGN SPECIFICATIONS: 2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES

**TOTAL BILL OF MATERIAL (069-0025)**

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	7
Approach Slab Repair (Partial Depth)	Sq. Yd.	40
Approach Slab Repair (Full Depth)	Sq. Yd.	1
Joint Sealing (Patches)	Foot	800
Controlled Low-Strength Material	Cu. Yd.	10
Protective Coat	Sq. Yd.	48

STRUCTURE GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM 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 THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

PROTECTIVE COAT TO BE APPLIED TO AREAS OF NEW CONCRETE ONLY.

MODEL: Default  
FILE NAME: S:\Bids\Bridges\069-0025 - 0690024 & 0025\_patch\0690025.dgn

USER NAME = Brandon.Dudley	DESIGNED - BRANDON DUDLEY	REVISED -
	DRAWN - BRANDON DUDLEY	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/27/2024	DATE - 4/18/24	REVISED -

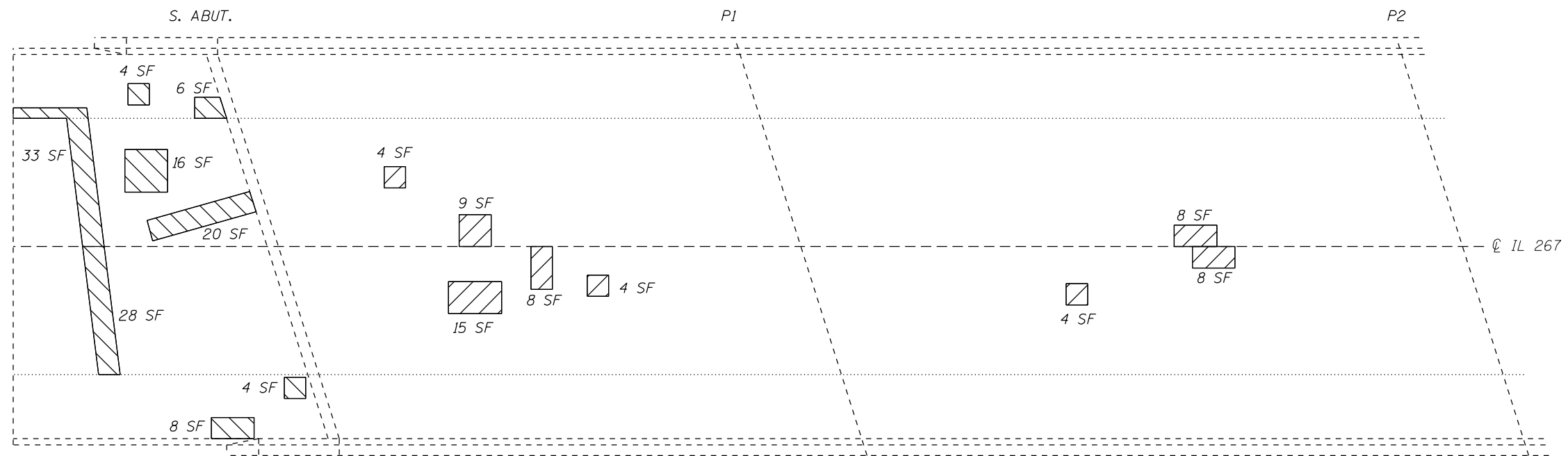
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION  
SN 069-0025

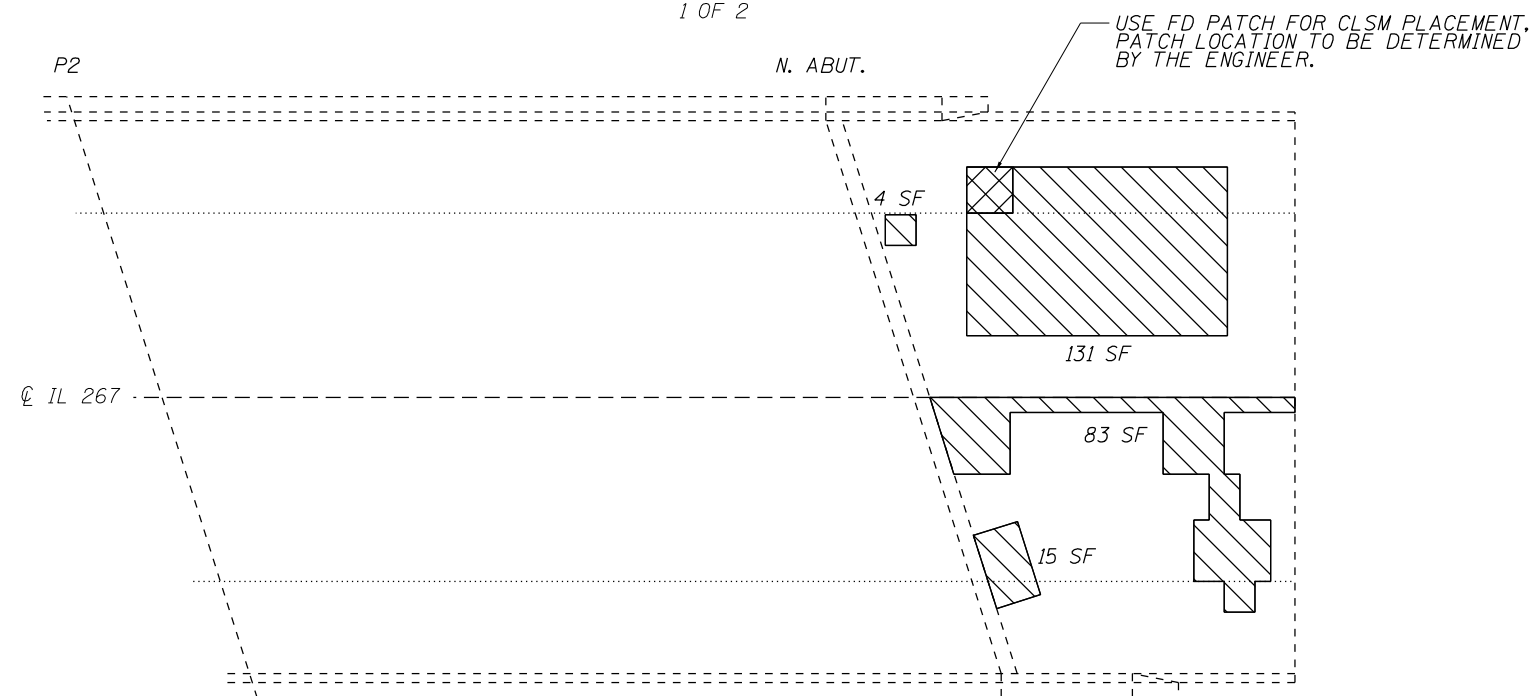
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	16
			CONTRACT NO. 72745	
		ILLINOIS	FED. AID PROJECT	





**PARTIAL PLAN**  
1 OF 2



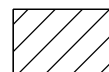
**PARTIAL PLAN**  
2 OF 2



APPROACH SLAB REPAIR (FULL DEPTH)



APPROACH SLAB REPAIR (PARTIAL DEPTH)



DECK SLAB REPAIR (PARTIAL)

**NOTES:**

IDENTIFIED PATCHING LOCATIONS ARE ESTIMATED FROM A DECK SURVEY PERFORMED ON 3/18/2024. THE PATCHING SURVEY IS INCLUDED FOR INFORMATION ONLY. THE ENGINEER SHALL LAY OUT ACTUAL PATCH LOCATIONS IN THE FIELD.

THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

FULL DEPTH PATCHES SHALL BE COVERED WITH STEEL PLATES DURING NON-WORK HOURS.

JOINT SEALING (PATCHES) SHALL BE APPLIED IN LOCATIONS AS DIRECTED IN THE SPECIAL PROVISIONS, ALONG THE ENTIRE LENGTH OF ANY EXISTING STAGE CONSTRUCTION LINES, AND ALONG THE CONSTRUCTION JOINTS BETWEEN THE ABUTMENT AND APPROACHES.

**PATCHING BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	7
Approach Slab Repair (Partial Depth)	Sq. Yd.	40
Approach Slab Repair (Full Depth)	Sq. Yd.	1
Joint Sealing (Patches)	Foot	800

MODEL: Default  
FILE NAME: S:\Addresses\Bridges\BDR\_0690025\_patching\BDR069.dgn

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/5/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SLAB REPAIR DETAIL**  
**SN 069-0025**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(6VBR,6VBR-1)BDR,BJR	MORGAN	17	17
			CONTRACT NO. 72745	
ILLINOIS FED. AID PROJECT				