

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	1
		ILLINOIS	CONTRACT NO. 78B38	

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-8

PROPOSED
HIGHWAY PLANS

FAP ROUTE 322(US51)/873 (IL149)
SECTION D9 BRIDGE OVERLAY 2026-4
PROJECT NHPP-STP-U6IK(192)
BRIDGE REPAIR
JACKSON COUNTY

TRAFFIC DATA

US51
ROADWAY CLASSIFICATION = OTHER PRINCIPAL ARTERIAL
DESIGN SPEED = 55 MPH
CURRENT ADT (2023) = 6250
SU = 2.4%
MU = 2.6%

IL149
ROADWAY CLASSIFICATION = MINOR ARTERIAL
DESIGN SPEED = 55 MPH
CURRENT ADT (2023) = 2800
SU = 4.3%
MU = 2.1%

TOWNSHIPS

MURPHYSBORO
DE SOTO

DESIGN DESIGNATION : N/A
COORDINATE SYSTEM : ILLINOIS STATE PLANE, EAST, NAD 1983
POSTED SPEED : 55 MPH



Collinsville
100 Lanter Court, Suite 1
Collinsville, IL 62234
618 345 2200

St. Louis
720 Olive, Suite 700
St. Louis, MO 63101
314 588 8381

Belleville
1 South Church, Suite 200
Belleville, IL 62220
618 416 4688
www.oatesassociates.com

St. Charles
820 South Main, Suite 309
St. Charles, MO 63301
636 493 6277

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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

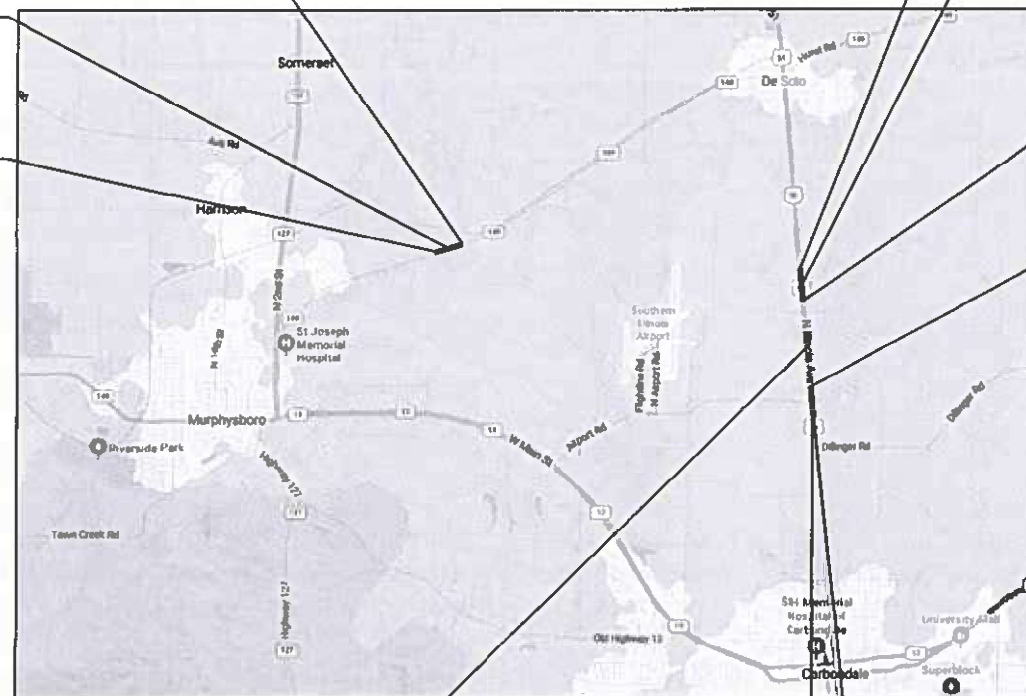
PROJECT ENGINEER: BRANDY MAES, P.E.

CONTRACT NO. 78B38

BRIDGE
STRUCTURE NO. 039-0064
STA. 547 + 47.1 TO
STA. 551 + 90.0
BEGIN PROJECT
STA. 546 + 72.0

END PROJECT
STA. 552 + 66.0

T 8 S
T 9 S



STATION EQUATION
STA. 161 + 86.92 BK
STA. 665 + 07.90 AH

LOCATION MAP
(NOT TO SCALE)

US 51 OVER LITTLE CRAB ORCHARD = 168.2 FT = 0.032 MILES
IL 149 OVER BEAUCOUP CREEK = 594.0 FT = 0.113 MILES
US 51 OVER BIG MUDDY RIVER = 424.2 FT = 0.080 MILES
GROSS LENGTH = 7889.8 FT = 1.494 MILES
NET LENGTH = 1186.6 FT = 0.225 MILES



Bill Tindall, P.E.
11/30/2025
License Expires 11/30/2027

END PROJECT
STA. 681 + 42.4

BRIDGE
STRUCTURE NO. 039-0065
STA. 677 + 48.2 TO
STA. 681 + 12.4

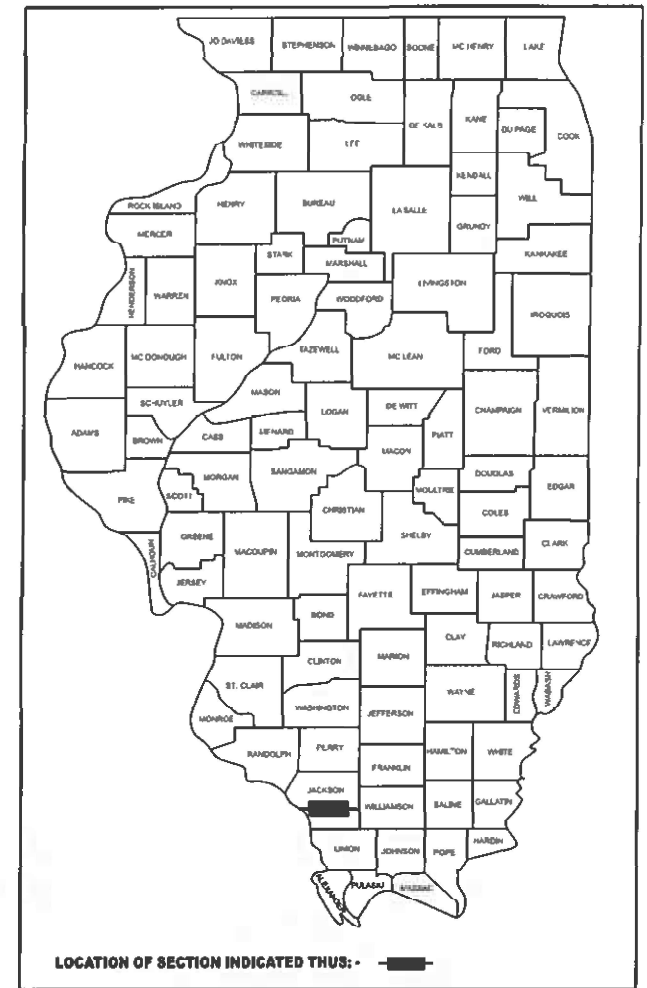
BEGIN PROJECT
STA. 677 + 18.2

END PROJECT
STA. 106 + 93.8

BEGIN PROJECT
STA. 105 + 25.6

BRIDGE
STRUCTURE NO. 039-0063
STA. 105 + 55.6 TO
STA. 106 + 63.8

D-99-048-25



LOCATION OF SECTION INDICATED THUS: ■

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 1 20 25
Kensil Garnett
REGION FIVE ENGINEER

January 23 20 26
Scott E. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

January 23 20 26
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: Unligned (Sheet)
 FILE NAME: H:\P224140 - D9 VAV PTB 213-50224140.005 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawing\ID978838-213.dwg
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001111



USER NAME	kevin.botterbush	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	10/10/2025	DATE	-	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	2
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

Prepared By: Susan Ru
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Heil
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: Con N
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Z COO
 DISTRICT OPERATIONS ENGINEER

Examined By: _____
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Busswille
 DISTRICT CONSTRUCTION ENGINEER

Examined By: Aan Day
 DISTRICT MATERIALS ENGINEER

MODEL: SQC-1 [Sheet]
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				JACKSON NHPP	JACKSON STP	JACKSON NHPP
				SN 039-0063	SN 039-0064	SN 039-0065
				80% FED, 20% ST	80% FED, 20% ST	80% FED, 20% ST
				BRIDGE	BRIDGE	BRIDGE
				0059	0059	0059
20200500	EARTH EXCAVATION (WIDENING)	CU YD	182		66	116
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	1,018		383	635
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	183		183	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	102		102	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	271		271	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	136		136	
40600990	TEMPORARY RAMP	SQ YD	406		406	
40605022	POLYMERIZE HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "D", N50	TON	216		216	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	140			140
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	140			140
44004250	PAVED SHOULDER REMOVAL	SQ YD	980		383	597
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	9		9	
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	1,018		383	635
50102400	CONCRETE REMOVAL	CU YD	14.7		14.7	

REV - MS



USER NAME = ryne.wirjes
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	4
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

MODEL: SOQ_2 [Sheet]
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				JACKSON NHPP	JACKSON STP	JACKSON NHPP
				SN 039-0063	SN 039-0064	SN 039-0065
				80% FED, 20% ST	80% FED, 20% ST	80% FED, 20% ST
				BRIDGE	BRIDGE	BRIDGE
0059	0059	0059				
50200100	STRUCTURE EXCAVATION	CU YD	218.0			218.0
50300225	CONCRETE STRUCTURES	CU YD	26			26
50300255	CONCRETE SUPERSTRUCTURE	CU YD	16.8		16.8	
50300300	PROTECTIVE COAT	SQ YD	320		31	289
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	121.6			121.6
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	49,450		1,780	47,670
50800515	BAR SPLICERS	EACH	314		22	292
52000110	PREFORMED JOINT STRIP SEAL	FOOT	81		81	
52200010	TEMPORARY SHEET PILING	SQ FT	620			620
53016000	DECK SLAB REPAIR (PARTIAL)	SQ YD	3	2	1	
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	754		12	742
58100210	FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	1,983		1,983	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	218			218
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	934			934

REV - MS



USER NAME = ryme.wirtjes	DESIGNED -	REVISED -
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PLOT DATE = 12/10/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78B38	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				JACKSON NHPP	JACKSON STP	JACKSON NHPP
				SN 039-0063	SN 039-0064	SN 039-0065
				80% FED, 20% ST BRIDGE	80% FED, 20% ST BRIDGE	80% FED, 20% ST BRIDGE
				0059	0059	0059
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	166			166
63300575	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL	FOOT	592		118	474
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	4		1	3
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	3		3	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1,307		575	732
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	2	2
67100100	MOBILIZATION	L SUM	1	0.33	0.33	0.34
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1		
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2		1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.33	0.33	0.34
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		0.5	0.5
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	20	20	20
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	1	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	18	6	6	6

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78B38	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				JACKSON NHPP	JACKSON STP	JACKSON NHPP
				SN 039-0063	SN 039-0064	SN 039-0065
				80% FED, 20% ST BRIDGE	80% FED, 20% ST BRIDGE	80% FED, 20% ST BRIDGE
				0059	0059	0059
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84	28	28	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,000	388	356	256
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	333	129	119	85
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	49	49		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	9,384	3,597	3,334	2,453
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	125	125		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,475.0		762.5	712.5
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	24			24
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,462.5		762.5	700.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4		2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4		2	2
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	49	49		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	9,384	3,597	3,334	2,453
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	125	125		

* SPECIALTY ITEM

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78B38	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				JACKSON NHPP	JACKSON STP	JACKSON NHPP
				SN 039-0063	SN 039-0064	SN 039-0065
				80% FED, 20% ST BRIDGE	80% FED, 20% ST BRIDGE	80% FED, 20% ST BRIDGE
				0059	0059	0059
* 7820010	BARRIER WALL REFLECTORS, TYPE B	EACH	60		31	29
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	41	18	8	15
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	6,007	2,659	1,721	1,627
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	3	1	1	1
* X6310302	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	1		1	
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	8	2	6	
Z0004552	APPROACH SLAB REMOVAL	SQ YD	288			288
Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	2,682	960		1,722
Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	2,550	930		1,620

* SPECIALTY ITEM

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

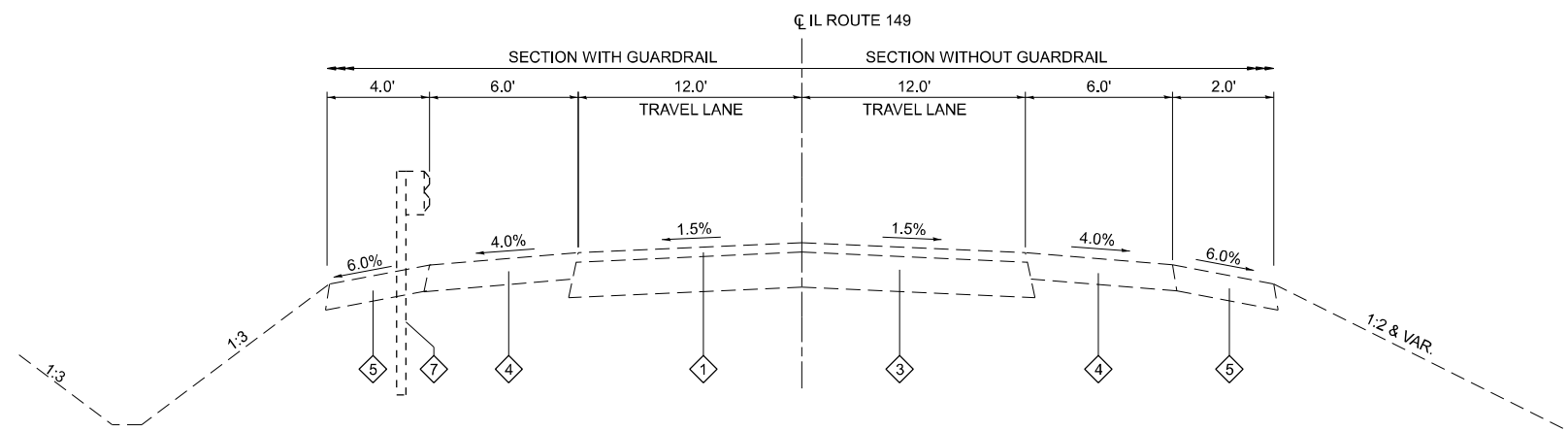
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322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	8
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

PLOT DATE = 12/5/2025

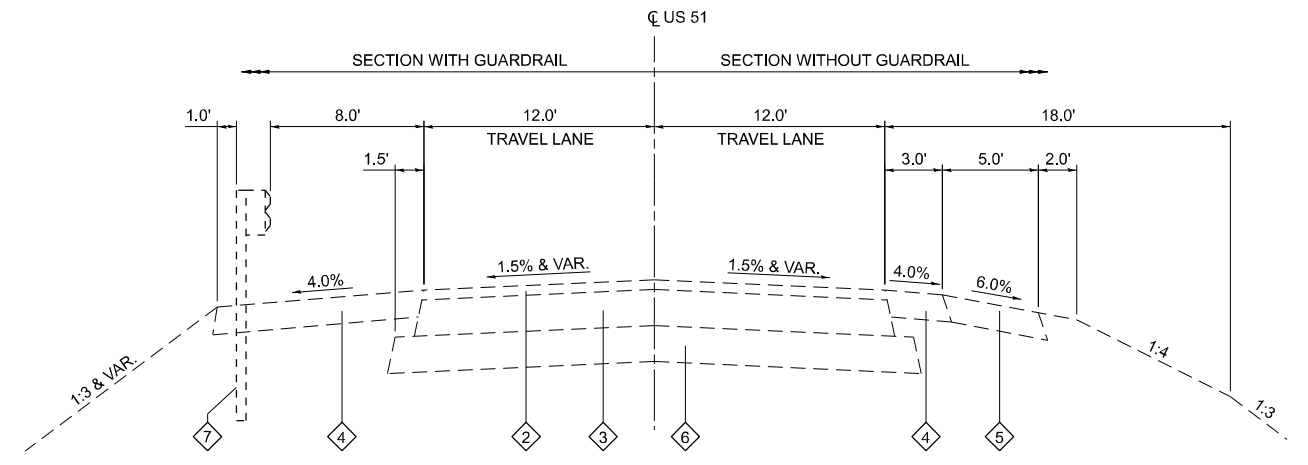
TYPICAL SECTION LEGEND

- ① EXIST. HMA SURFACE 1.5"
- ② EXIST. HMA SURFACE 3"
- ③ EXIST. HMA PAVEMENT
- ④ EXIST. HMA SHOULDER 8"
- ⑤ EXIST. AGGREGATE SHOULDER 8"
- ⑥ EXIST. SUBBASE GRANULAR MATERIAL 12"
- ⑦ EXIST. GUARDRAIL
- ⑧ EXIST. PCC PAVEMENT
- ⑨ PROP. LONGITUDINAL JOINT SEALANT (LJS)
- ⑩ PROP. HMA SURFACE REMOVAL - BUTT JOINT
- ⑪ PROP. POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 MIX "D", N50, 2 1/4"
- ⑫ PROP. BITUMINOUS MATERIALS (TACK COAT)
- ⑬ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROP. PCC SHOULDER 10"
- ⑮ PROP. SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ⑯ PROP. RUMBLE STRIPS 8"



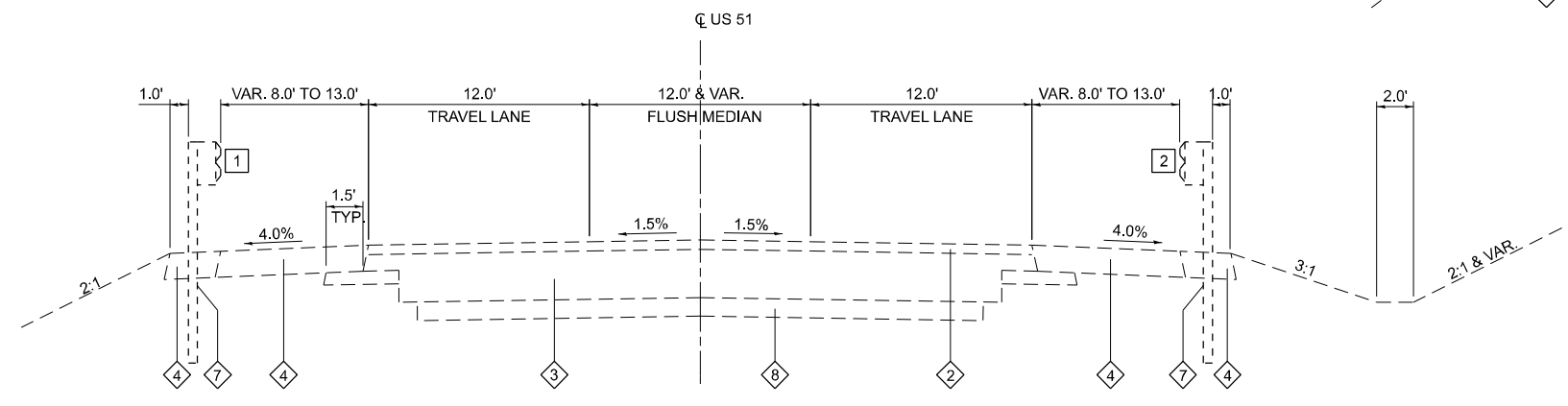
**EXISTING IL 149 TYPICAL SECTION
SN 039-0064 OVER BEAUCOUP CREEK**

STA. 546+72.0 TO STA. 547+17.1
 BRIDGE APPROACH SLAB STA. 547+17.1 TO STA. 547+47.1
 BRIDGE OMISSION STA. 547+47.1 TO STA. 551+90.0
 BRIDGE APPROACH SLAB STA. 551+90.0 TO STA. 552+20.0
 STA. 552+20.0 TO STA. 552+66.0



**EXISTING US 51 TYPICAL SECTION
SN 039-0065 OVER BIG MUDDY RIVER**

BRIDGE APPROACH SLAB STA. 677+18.2 TO STA. 677+48.2
 BRIDGE OMISSION STA. 677+48.2 TO STA. 681+12.4
 BRIDGE APPROACH SLAB STA. 681+12.4 TO STA. 681+42.4



**EXISTING US 51 TYPICAL SECTION
SN 039-0063 OVER LITTLE CRAB ORCHARD CREEK**

BRIDGE APPROACH SLAB STA. 105+25.6 TO STA. 105+55.6
 BRIDGE OMISSION STA. 105+55.6 TO STA. 106+63.8
 BRIDGE APPROACH SLAB STA. 106+63.8 TO STA. 106+93.8

TYPICAL SECTION NOTES:

- ① LT EXIST. GUARDRAIL FROM STA. 105+03.3 TO STA. 105+56.3 & FROM STA. 106+64.5 TO STA. 110+49.4
- ② RT EXIST. GUARDRAIL FROM STA. 104+42.6 TO STA. 105+56.3 & FROM STA. 106+64.5 TO STA. 110+49.4

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USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 12/1/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

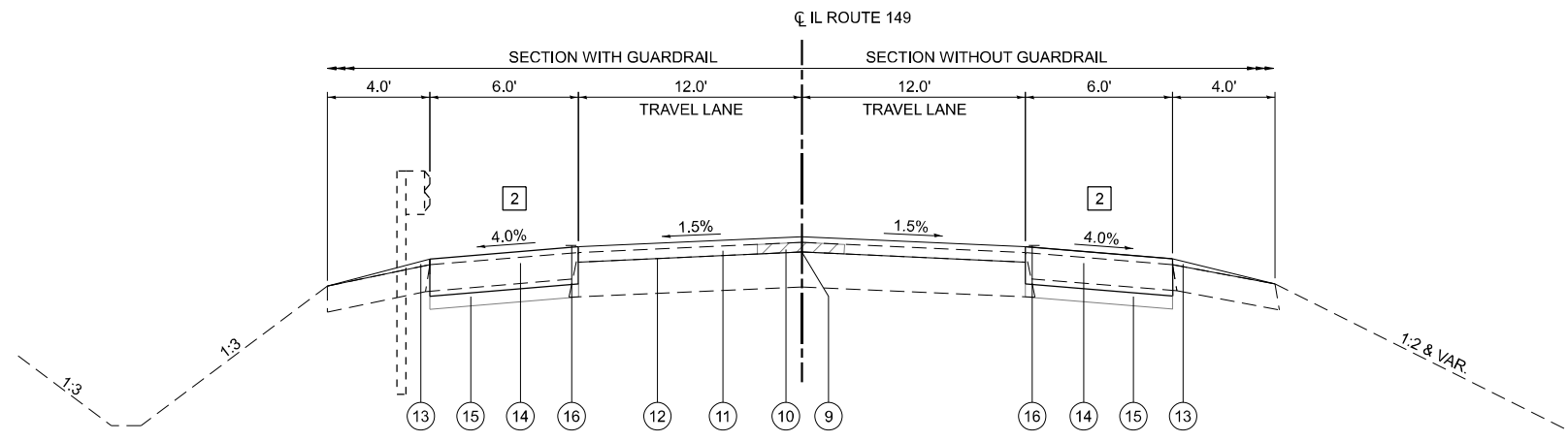
**EXISTING
TYPICAL SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	9
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

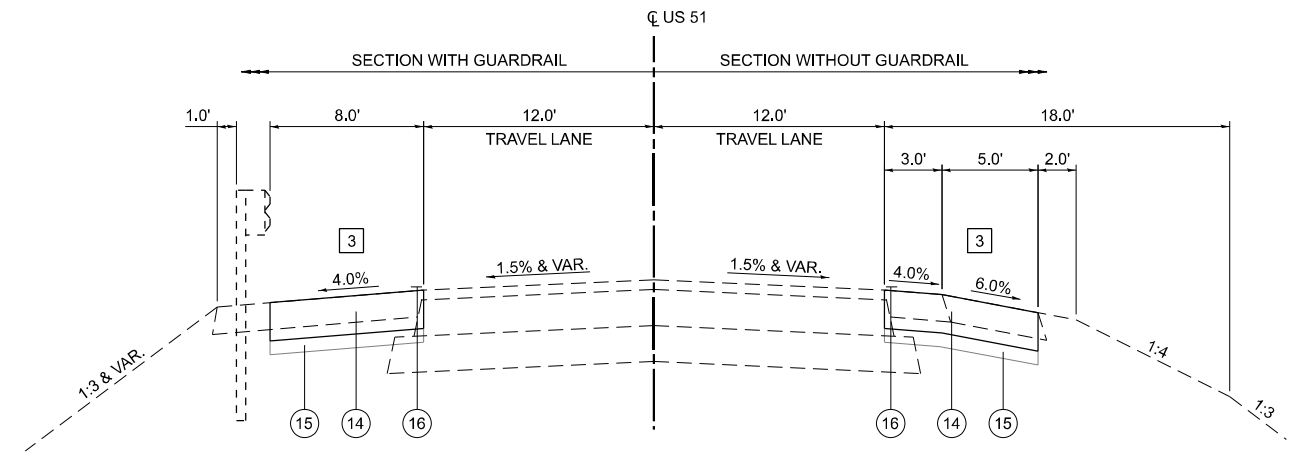
TYPICAL SECTION LEGEND

- ① EXIST. HMA SURFACE 1.5"
- ② EXIST. HMA SURFACE 3"
- ③ EXIST. HMA PAVEMENT
- ④ EXIST. HMA SHOULDER 8"
- ⑤ EXIST. AGGREGATE SHOULDER 8"
- ⑥ EXIST. SUBBASE GRANULAR MATERIAL 12"
- ⑦ EXIST. GUARDRAIL
- ⑧ EXIST. PCC PAVEMENT
- ⑨ PROP. LONGITUDINAL JOINT SEALANT (LJS)
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- ⑪ PROP. POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 MIX "D", N50, 2 1/4"
- ⑫ PROP. BITUMINOUS MATERIALS (TACK COAT)
- ⑬ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROP. PCC SHOULDER 10"
- ⑮ PROP. SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ⑯ PROP. RUMBLE STRIPS 8"



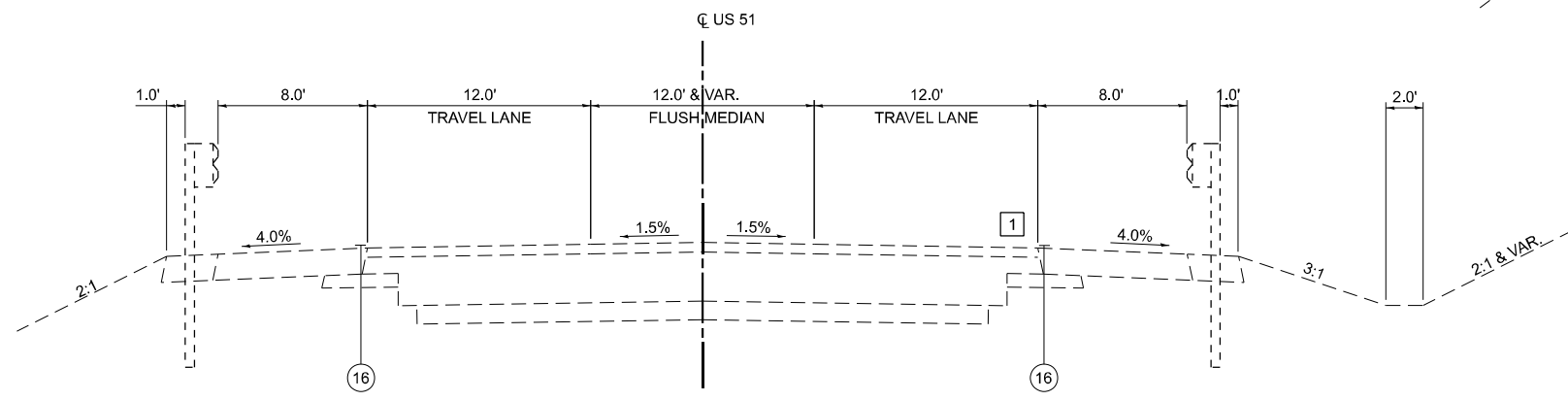
**PROPOSED IL 149 TYPICAL SECTION
SN 039-0064 OVER BEAUCOUP CREEK**

STA. 546+66.6 TO STA. 547+17.1
 BRIDGE APPROACH SLAB STA. 547+17.1 TO STA. 547+47.1
 BRIDGE OMISSION STA. 547+47.1 TO STA. 551+90.0
 BRIDGE APPROACH SLAB STA. 551+90.0 TO STA. 552+20.0
 STA. 552+20.0 TO STA. 552+71.0



**PROPOSED US 51 TYPICAL SECTION
SN 039-0065 OVER BIG MUDDY RIVER**

PAVEMENT CONNECTOR STA. 677+03.2 TO SSTA. 677+18.2
 BRIDGE APPROACH SLAB STA. 677+18.2 TO STA. 677+48.2
 BRIDGE OMISSION STA. 677+48.2 TO STA. 681+12.4
 BRIDGE APPROACH SLAB STA. 681+12.4 TO STA. 681+42.4
 PAVEMENT CONNECTOR STA. 681+42.4 TO STA. 681+57.4



**PROPOSED US 51 TYPICAL SECTION
SN 039-0063 OVER LITTLE CRAB ORCHARD CREEK**

BRIDGE APPROACH SLAB STA. 105+25.6 TO STA. 105+55.6
 BRIDGE OMISSION STA. 105+55.6 TO STA. 106+63.8
 BRIDGE APPROACH SLAB STA. 106+63.8 TO STA. 106+93.8

TYPICAL SECTION NOTES:

- ① PAVEMENT MARKING IMPROVEMENTS ONLY
- ② SHOULDER REMOVAL AND REPLACEMENT FROM STA. 545+75 LT & RT TO STA. 553+65 LT & RT
- ③ SHOULDER REMOVAL AND REPLACEMENT FROM STA. 675+20 LT & RT TO STA. 683+10 LT & RT

MODEL: Typical Sections-1 (Sheet)
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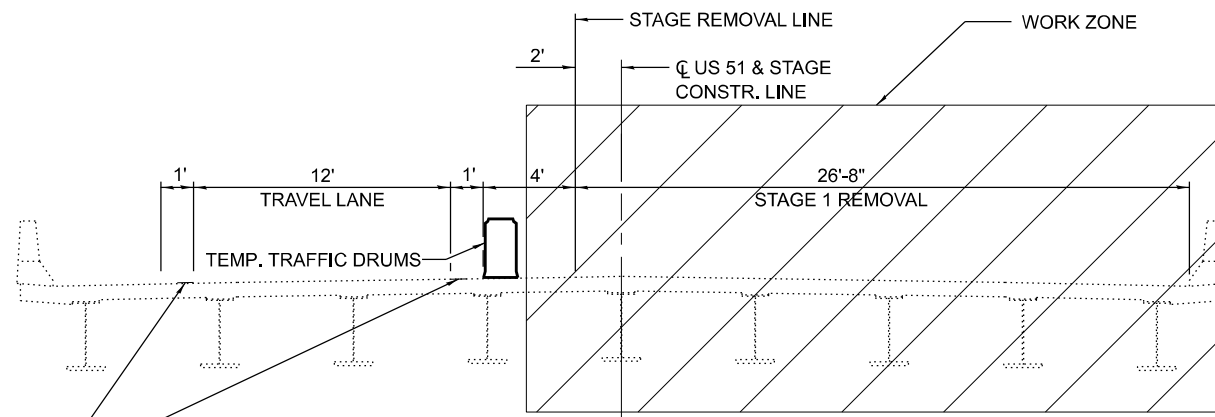
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 12/5/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
TYPICAL SECTIONS**

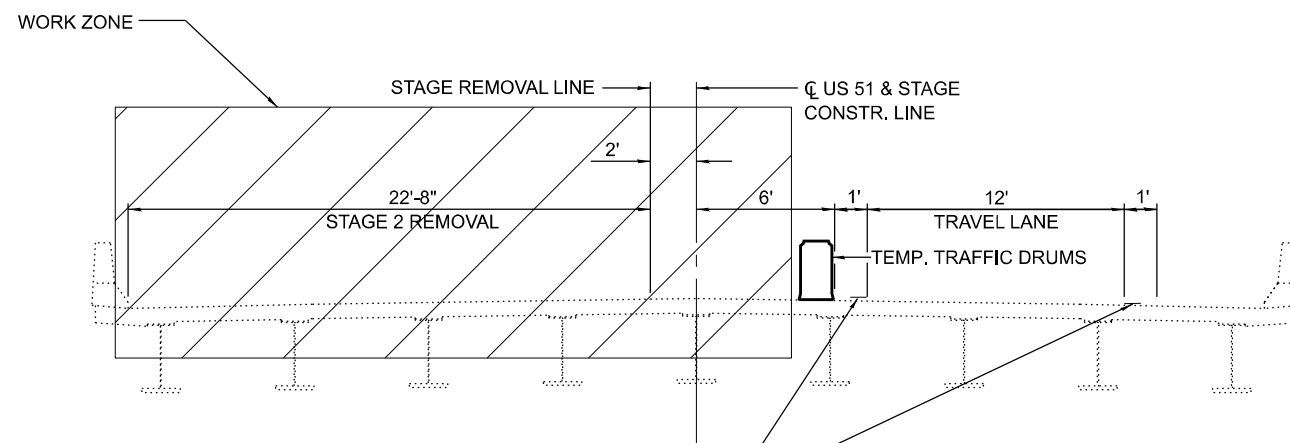
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	10
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



WHITE TEMPORARY PAVEMENT MARKING

STAGE 1



WHITE TEMPORARY PAVEMENT MARKING

STAGE 2

STAGE CONSTRUCTION GENERAL NOTES

- ONE LANE OF TRAFFIC ON US51 SHALL BE MAINTAINED AT ALL TIMES.
- EMERGENCY ACCESS SHALL BE PROVIDED AT ALL TIMES.

PRE-STAGE CONSTRUCTION

- REPLACE ASPHALT SHOULDERS WITH PCC SHOULDERS AS SHOWN ON THE ROADWAY PLAN SHEETS USING TRAFFIC CONTROL AND PROTECTION STANDARD 701326.

SUGGESTED STAGE 1 CONSTRUCTION

- UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARD 701201 TO SETUP TRAFFIC CONTROL PLAN.
- PLACE TEMPORARY TRAFFIC CONTROL AS SHOWN ON NEXT SHEET.
- INSTALL TEMPORARY TRAFFIC SIGNALS PRIOR TO CLOSING THE RIGHT HALF OF ROADWAY.

SUGGESTED STAGE 2 CONSTRUCTION

- UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARD 701316 TO CLOSE THE LEFT HALF OF ROADWAY.

TRAFFIC CONTROL NOTES

- THREE PHASE SIGNAL OPERATION IS REQUIRED WHEN HIGHWAY STANDARD 701316 IS IN EFFECT. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS.
- THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL MUTCD REQUIREMENTS.
- THE CONTRACTOR SHALL USE MICROWAVE DETECTION FOR USE WITH THE TEMPORARY TRAFFIC SIGNALS IN ACCORDANCE WITH HIGHWAY STANDARD 701316.
- REMOVAL OF THE RUMBLE STRIPS AFTER STAGED CONSTRUCTION SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE TO THE EXISTING PAVEMENT FROM THE RUMBLE STRIPS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THERE WILL BE NO ADDITIONAL COMPENSATION.

MODEL: SN 039-0063 STAGING TYPICAL (Sheet) FILE NAME: H:\P\224140 - D9 VAY\PTB 213-50\224140.D05 - US51 IL 449 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-st1-typical-staging.dgn



USER NAME = ryne.wirtjes
 CHECKED -
 DATE -
 PLOT DATE = 11/26/2025

DESIGNED -
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 CHECKED -
 DATE -

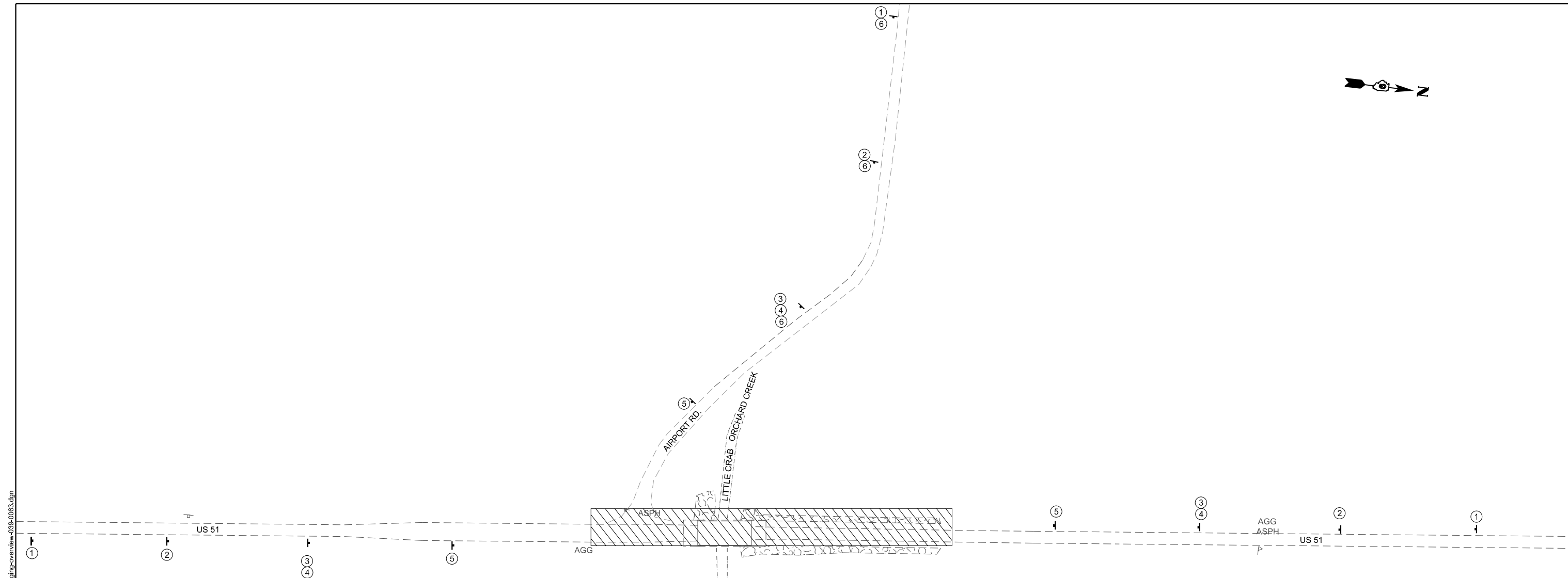
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SN 039-0063 STAGING TYPICALS
 TRAFFIC CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	12
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



LEGEND

	①	W20-1103(0) 48"x48"
	②	W12-1102 48"x48"
	③	W20-4(0) 48"x48"
	④	W13-1(0) 24"x24"
	⑤	W3-3(0) 48"x48"
	⑥	M5-1R 24"x24"
		039-0063 WORK ZONE AND TRAFFIC CONTROL AREA

NOTES:

1. THIS LOCATION INCLUDES STAGE 1 AND 2 FOR STRUCTURE 039-0063
2. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER.

MODEL: SN 039-0063 STAGING OVERVIEW (Sheet) FILE NAME: H:\P\224140 - D9 VAV\PTB 213-50\224140.DWG - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-staging-overview-039-0063.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = rylene.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -









**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

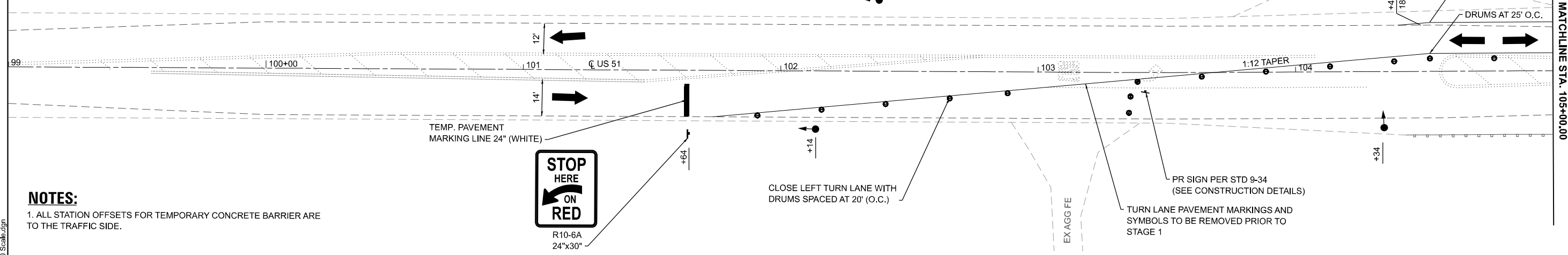
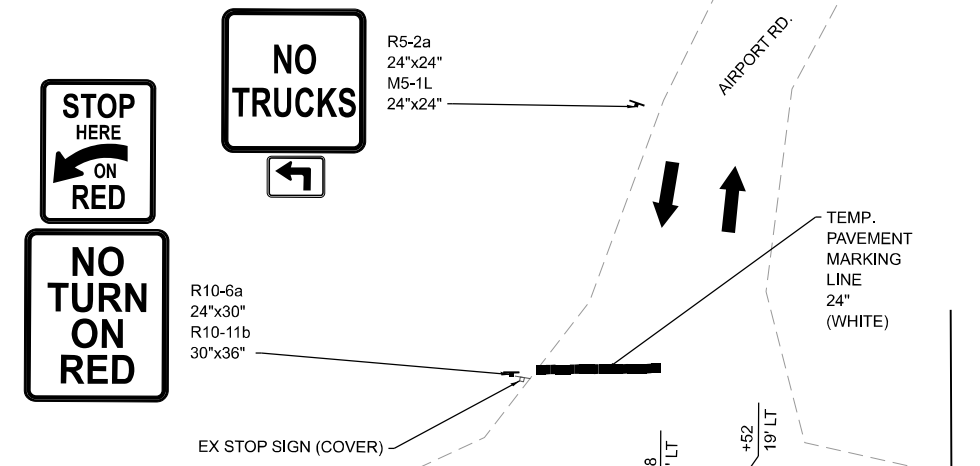
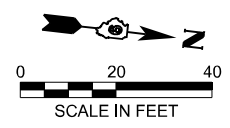
**SN 039-0063 OVERVIEW
TRAFFIC CONTROL PLAN**

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

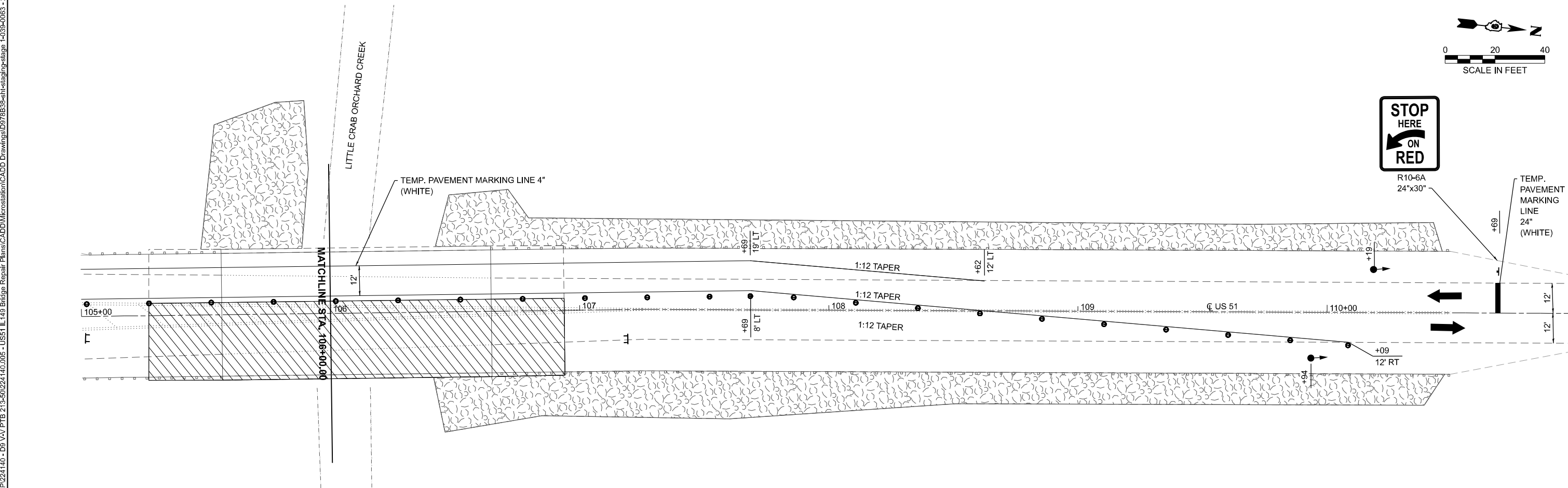
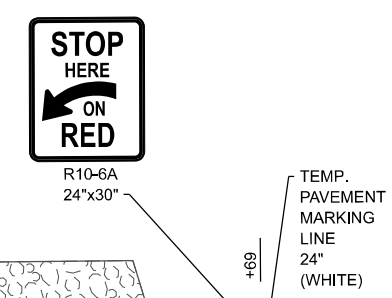
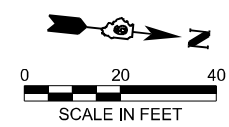
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	13
CONTRACT NO. 78B38				
		ILLINOIS	FED. AID PROJECT	

LEGEND

-  TEMPORARY SIGN
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
-  TEMPORARY CONCRETE BARRIER
-  MOUNTED SIGNAL HEAD
-  TYPE III BARRICADES WITH STEADY BURNING LIGHT
-  DIRECTION OF TRAFFIC
-  WORK ZONE
-  DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT



NOTES:
1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



MODEL: EXC1_53 - Plan 3 (Sheet)
FILE NAME: H:\P\224140 - D9 VAV PTB 213-50224140.005 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978638-ht-stage1-stage -039-0063 - 20 Scale.dgn



USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 11/28/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SN 039-0063 STAGE 1 PLAN
TRAFFIC CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	14
CONTRACT NO. 78B38				
ILLINOIS		FED. AID PROJECT		

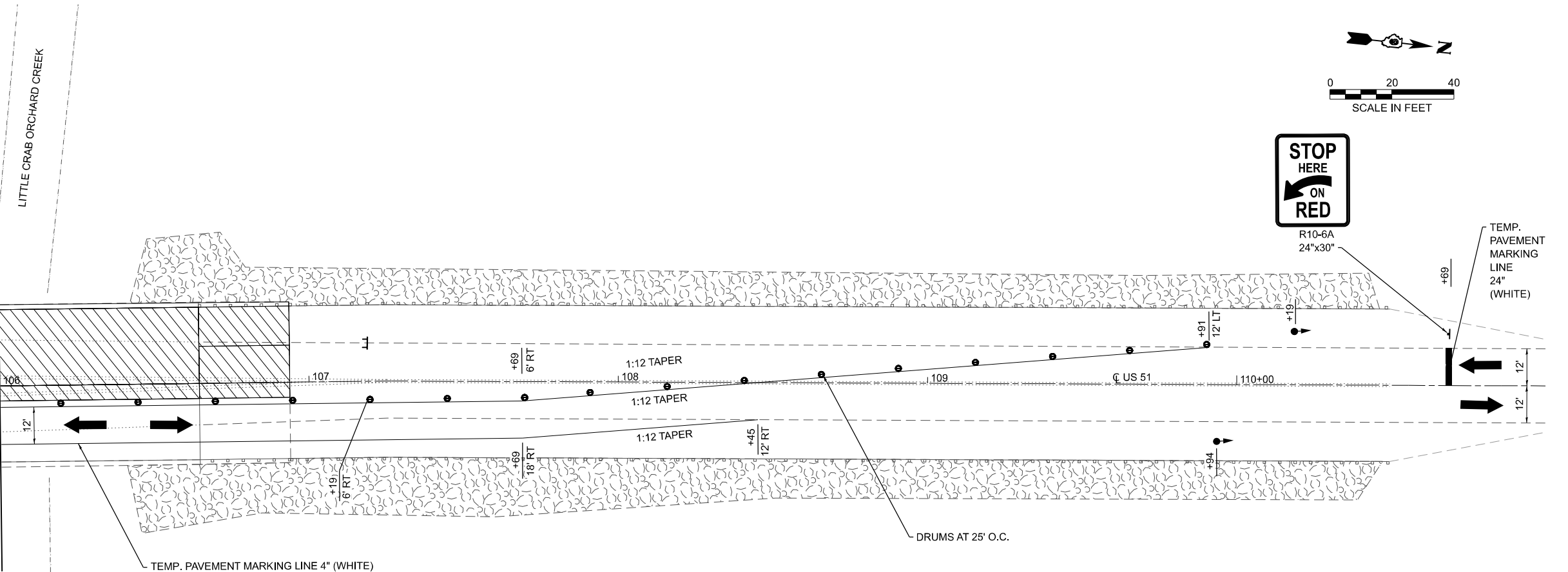
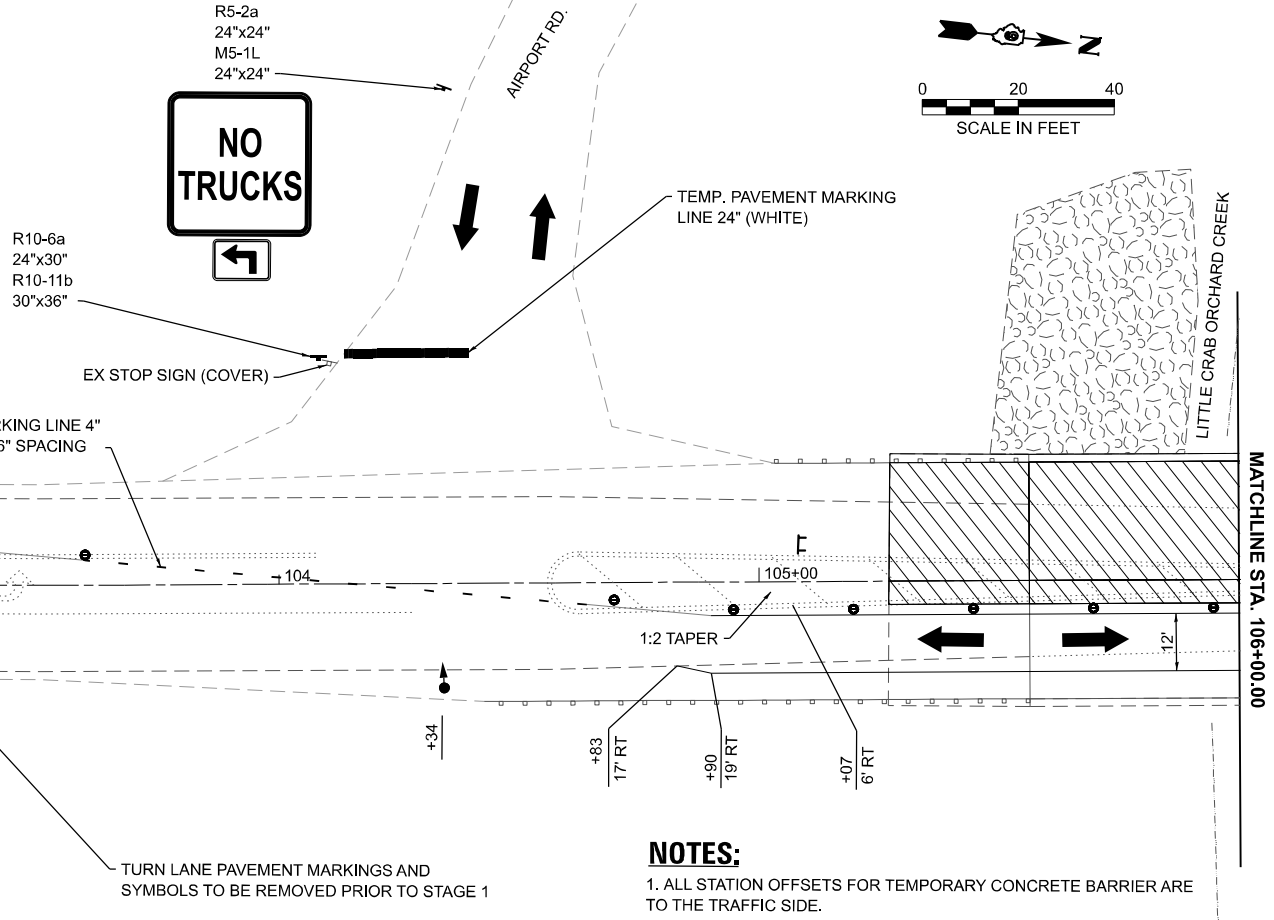
LEGEND

- TEMPORARY SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- MOUNTED SIGNAL HEAD
- TYPE III BARRICADES WITH STEADY BURNING LIGHT
- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT

STOP HERE ON RED

NO TRUCKS

NO TURN ON RED



MODEL: EXCL 52 - Plan 3 (Sheet)
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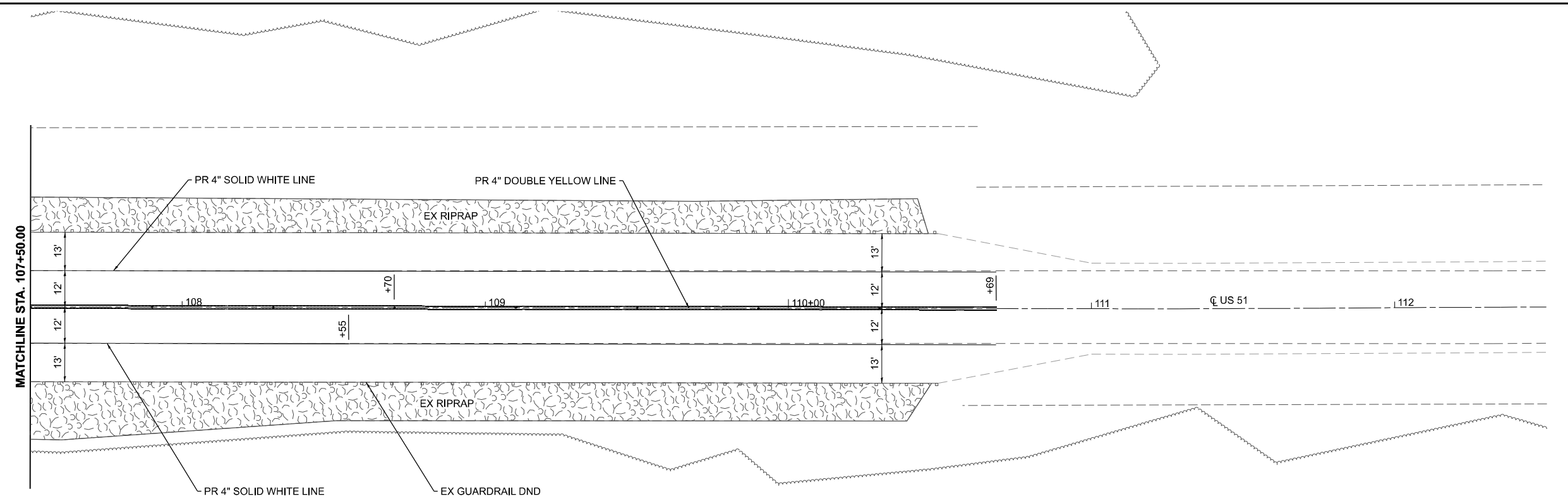
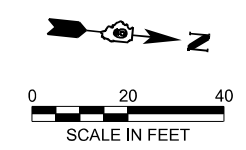
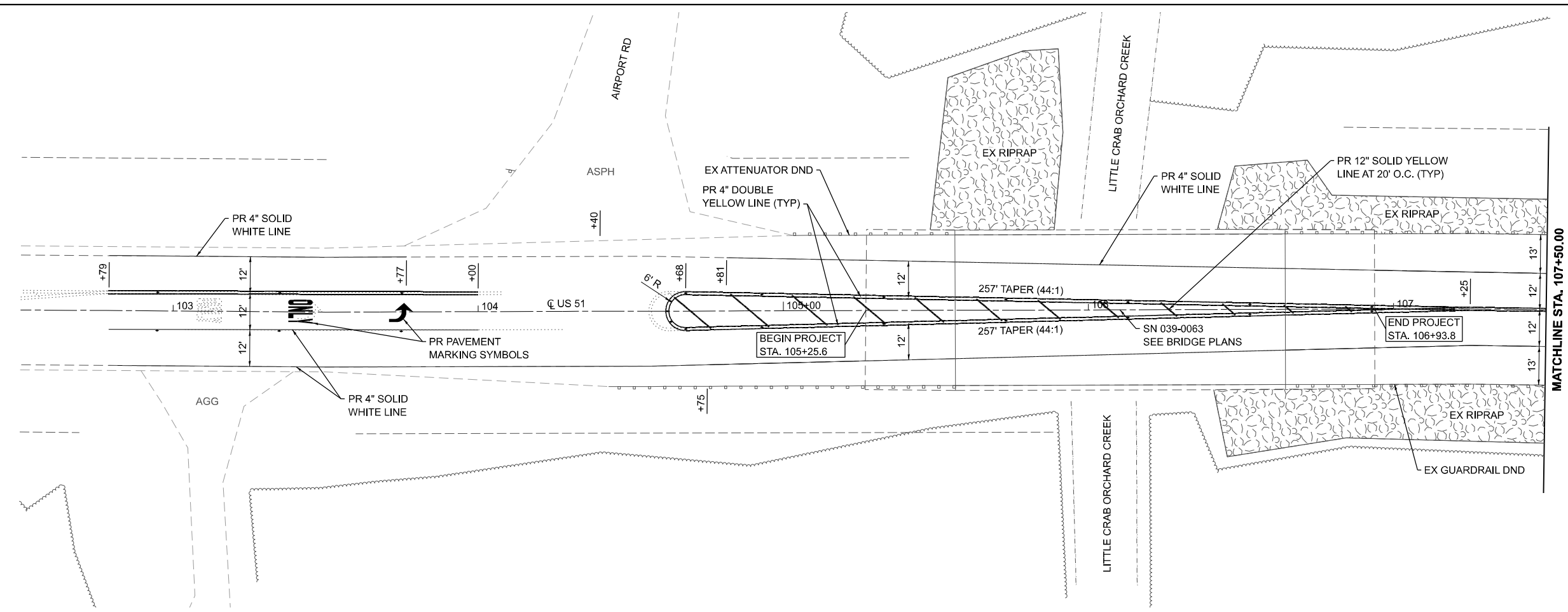
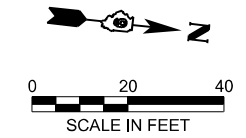
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
DATE -		REVISED -
PLOT DATE = 11/28/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 039-0063 STAGE 2 PLAN
TRAFFIC CONTROL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	15
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



NOTE: PAVED SHOULDER REMOVAL AND REPLACEMENT TO BE COMPLETED BEFORE STAGING AND BRIDGE REPAIRS

MODEL: 039-0063 Plan (Sheet) FILE NAME: H:\P\224140 - D9 VAV PTB 213-50224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-H-Plan.dgn



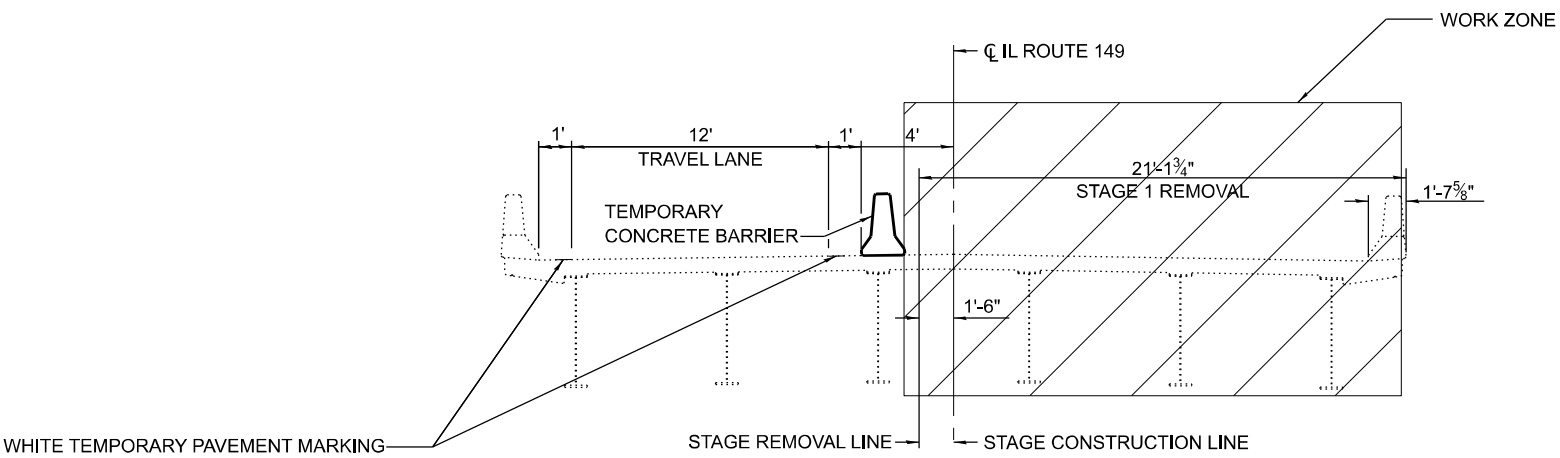
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DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

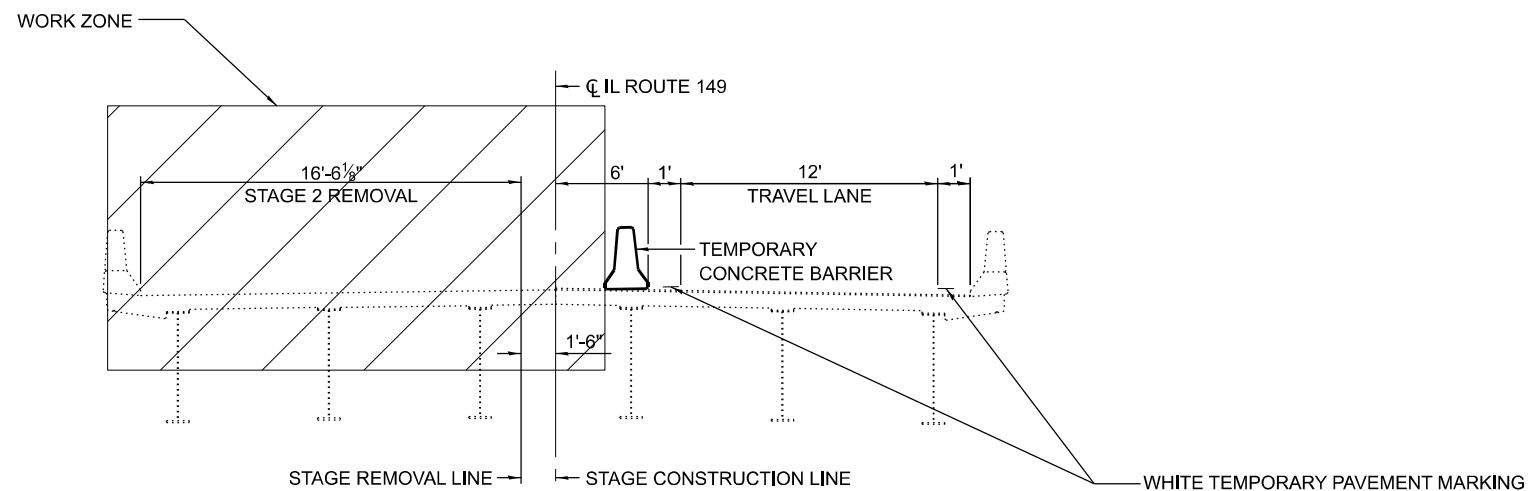
**US ROUTE 51 - S.N. 039-0063
ROADWAY PLAN SHEETS**

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 102+50.00 TO STA. 112+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	16
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



STAGE 1



STAGE 2

STAGE CONSTRUCTION GENERAL NOTES

- ONE LANE OF TRAFFIC ON US51 SHALL BE MAINTAINED AT ALL TIMES.
- EMERGENCY ACCESS SHALL BE PROVIDED AT ALL TIMES.

PRE-STAGE CONSTRUCTION

- REPLACE ASPHALT SHOULDERS WITH PCC SHOULDERS AS SHOWN ON THE ROADWAY PLAN SHEETS USING TRAFFIC CONTROL AND PROTECTION STANDARD 701326.

SUGGESTED STAGE 1 CONSTRUCTION

- UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARD 701201 TO SETUP TRAFFIC CONTROL PLAN.
- PLACE TEMPORARY TRAFFIC CONTROL AS SHOWN ON NEXT SHEET.
- INSTALL TEMPORARY TRAFFIC SIGNALS PRIOR TO CLOSING THE RIGHT HALF OF ROADWAY.

SUGGESTED STAGE 2 CONSTRUCTION

- UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 TO CLOSE THE LEFT HALF OF ROADWAY.

TRAFFIC CONTROL NOTES

- THREE PHASE SIGNAL OPERATION IS REQUIRED WHEN HIGHWAY STANDARD 701321 IS IN EFFECT. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS.
- THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL MUTCD REQUIREMENTS.
- THE CONTRACTOR SHALL USE MICROWAVE DETECTION FOR USE WITH THE TEMPORARY TRAFFIC SIGNALS IN ACCORDANCE WITH HIGHWAY STANDARD 701321.
- REMOVAL OF THE RUMBLE STRIPS AFTER STAGED CONSTRUCTION SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE TO THE EXISTING PAVEMENT FROM THE RUMBLE STRIPS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THERE WILL BE NO ADDITIONAL COMPENSATION.
- ALL TEMPORARY PAVEMENT MARKINGS, DRUMS, ETC. SHALL BE PLACED PRIOR TO PLACING TEMPORARY CONCRETE BARRIERS.

MODEL: SN 039-0064 STAGING TYPICAL (Sheet)
 FILE NAME: H:\P\224140 - D9 VAY /PTB 213-50\224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-staging.dgn



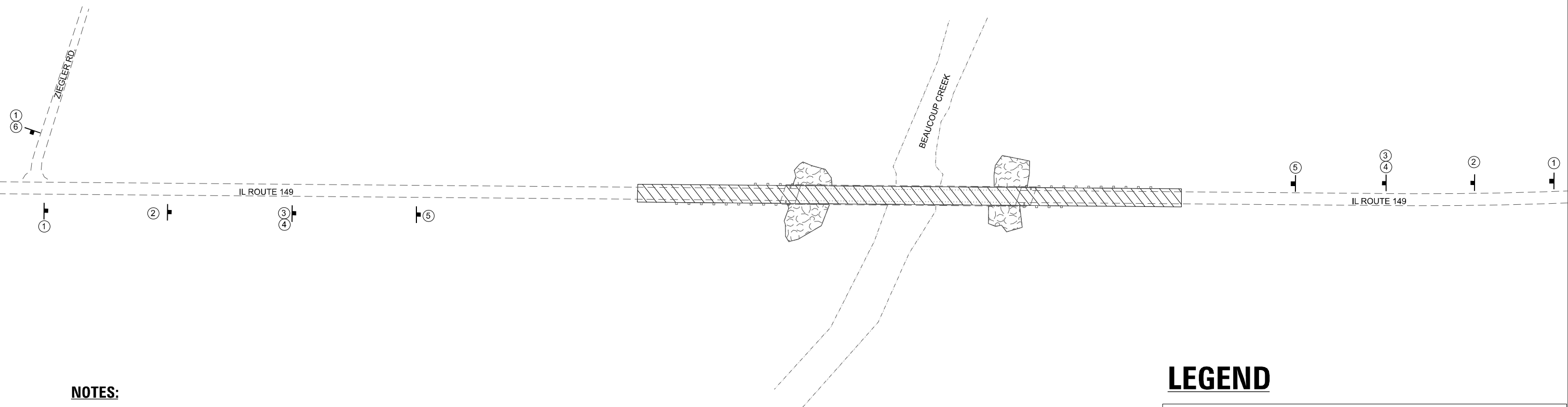
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	CHECKED -	REVISED -
DATE -		REVISED -
PLOT DATE = 12/5/2025		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SN 039-0064 STAGING TYPICALS
 TRAFFIC CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	17
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1. THIS LOCATION INCLUDES STAGE 1 AND 2 FOR STRUCTURE 039-0064
- 2. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER.

LEGEND

	①	W20-1103(0) 48"x48"
	②	W12-1102 48"x48"
	③	W20-4(0) 48"x48"
	④	W13-1(0) 24"x24"
	⑤	W3-3(0) 48"x48"
	⑥	M5-1R 24"x24"
		WORK ZONE AND TRAFFIC CONTROL AREA

MODEL: SN 039-0064 STAGING OVERVIEW (Sheet)
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = ryme.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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DATE -		REVISED -
PLOT DATE = 11/28/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

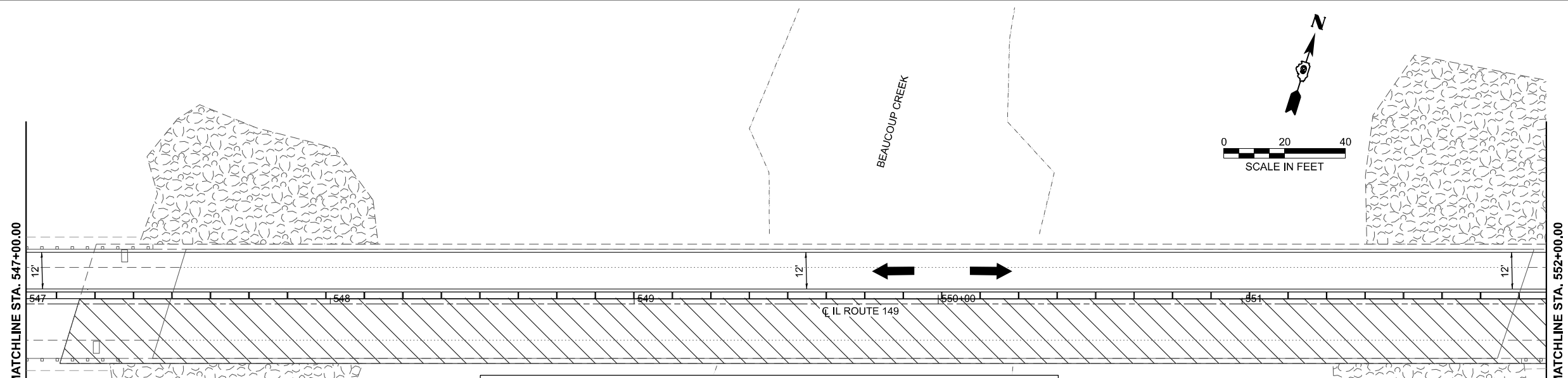
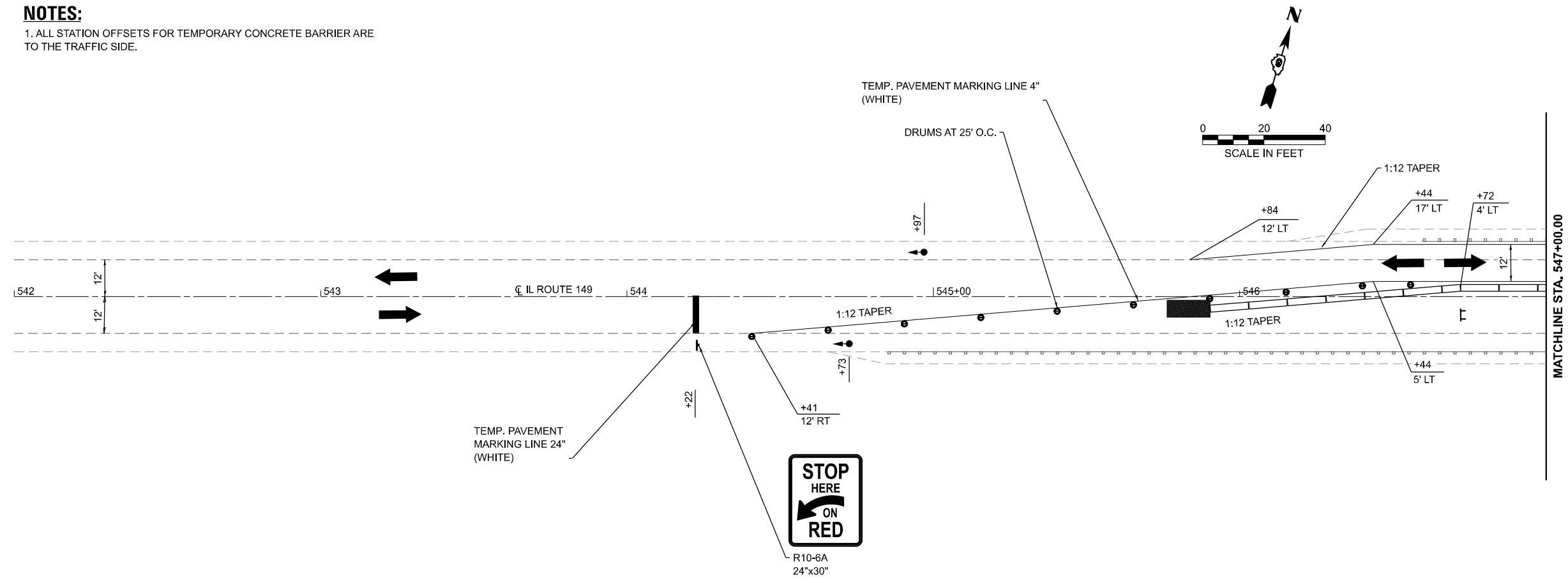
**SN 039-0064 OVERVIEW
TRAFFIC CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	18
CONTRACT NO. 78B38				
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



LEGEND

	TEMPORARY SIGN		DIRECTION OF TRAFFIC
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3		WORK ZONE
	TEMPORARY CONCRETE BARRIER		DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT
	MOUNTED SIGNAL HEAD		TYPE III BARRICADES WITH STEADY BURNING LIGHT

MODEL: E:\C\149 85 - Plan 3 (Sheet) FILE NAME: H:\2224140 - D9 VAY P/B 213-50224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-sh1-staging-stage -039-0064 - 20 Scale.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

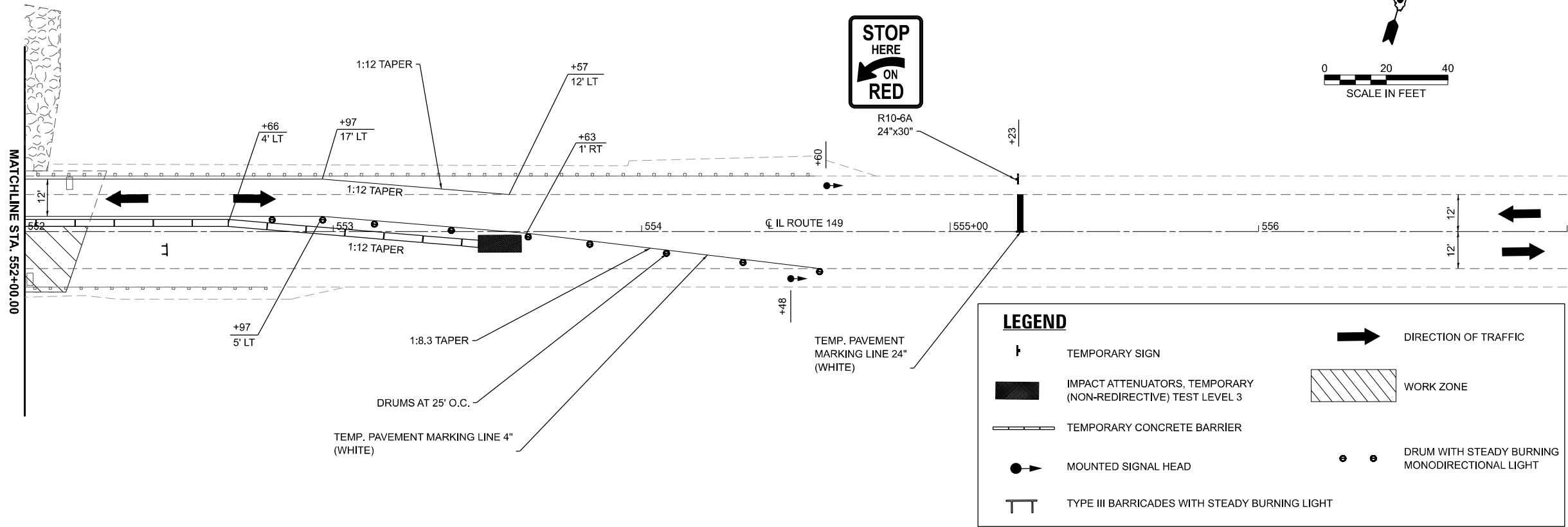
**SN 039-0064 STAGE 1 PLAN
 TRAFFIC CONTROL PLAN**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION D9 BRIDGE OVERLAY 2026-4	COUNTY JACKSON	TOTAL SHEETS 57	SHEET NO. 19
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



MODEL: EXC: 149 85 - Plan 5 (Sheet)
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USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

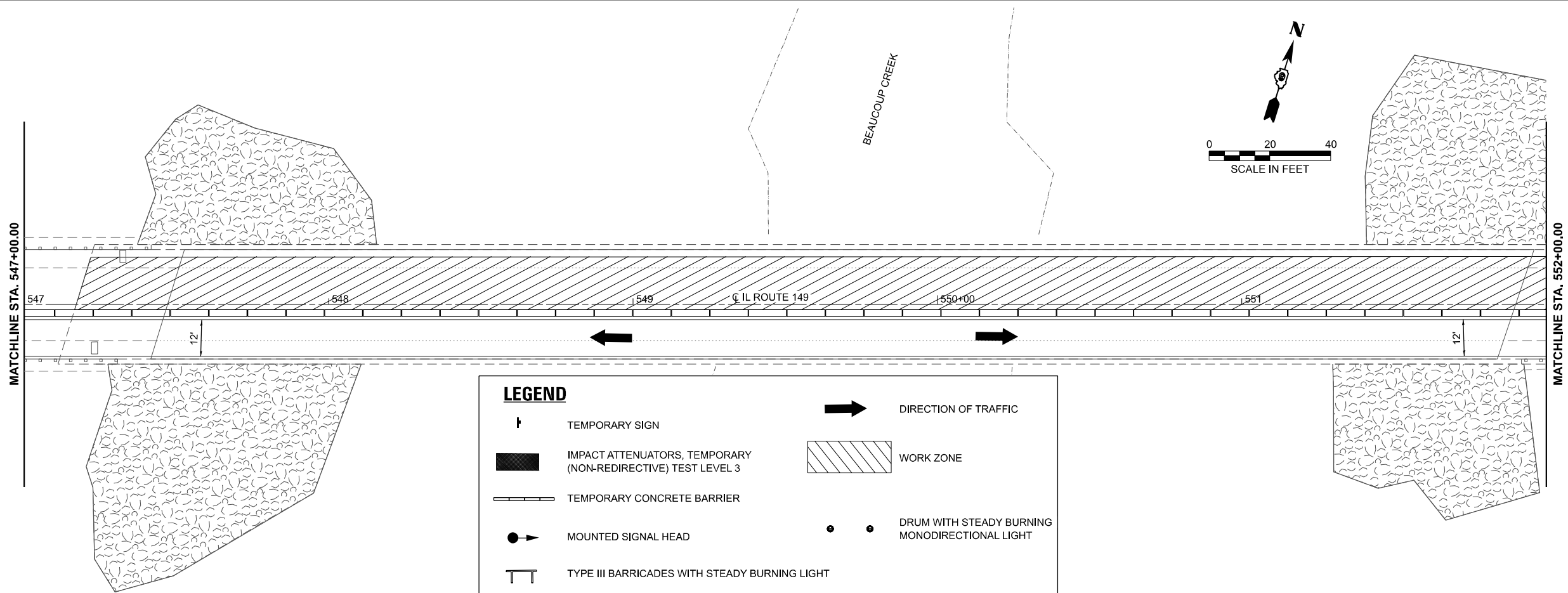
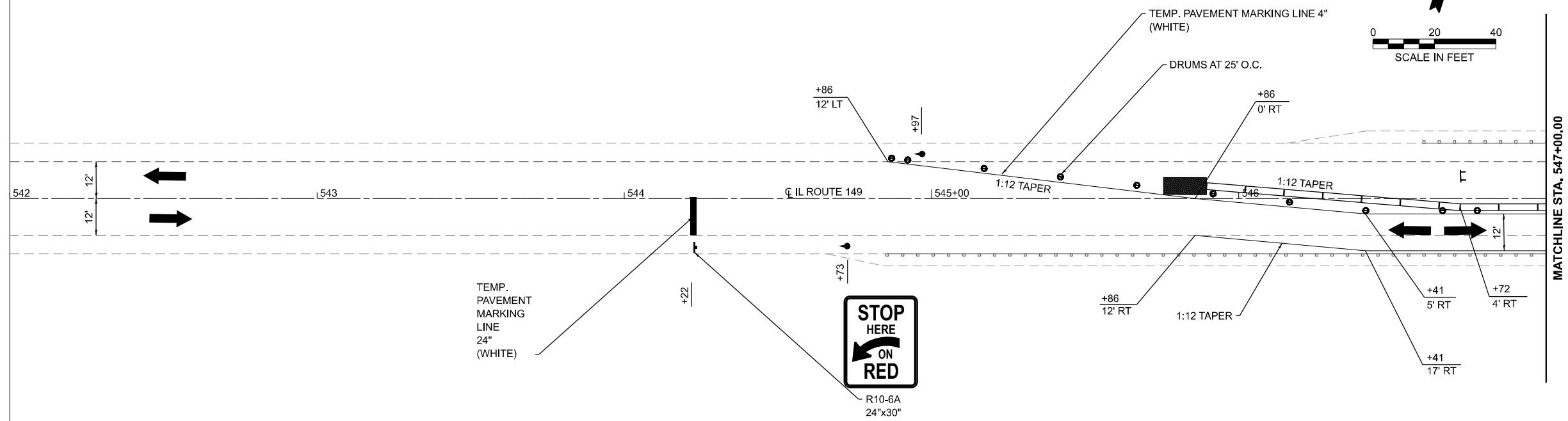
**SN 039-0064 STAGE 1 PLAN
 TRAFFIC CONTROL PLAN**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.







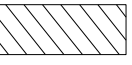

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	20
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



LEGEND

-  TEMPORARY SIGN
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
-  TEMPORARY CONCRETE BARRIER
-  MOUNTED SIGNAL HEAD
-  TYPE III BARRICADES WITH STEADY BURNING LIGHT
-  DIRECTION OF TRAFFIC
-  WORK ZONE
-  DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT

MODEL: E:\C\149 85 - Plan 3 (Sheet) FILE NAME: H:\2224140 - D9 VAY P/B 213-50224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-eh-staging-stage 2-039-0064 - 20 Scale.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = rylene.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 12/5/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

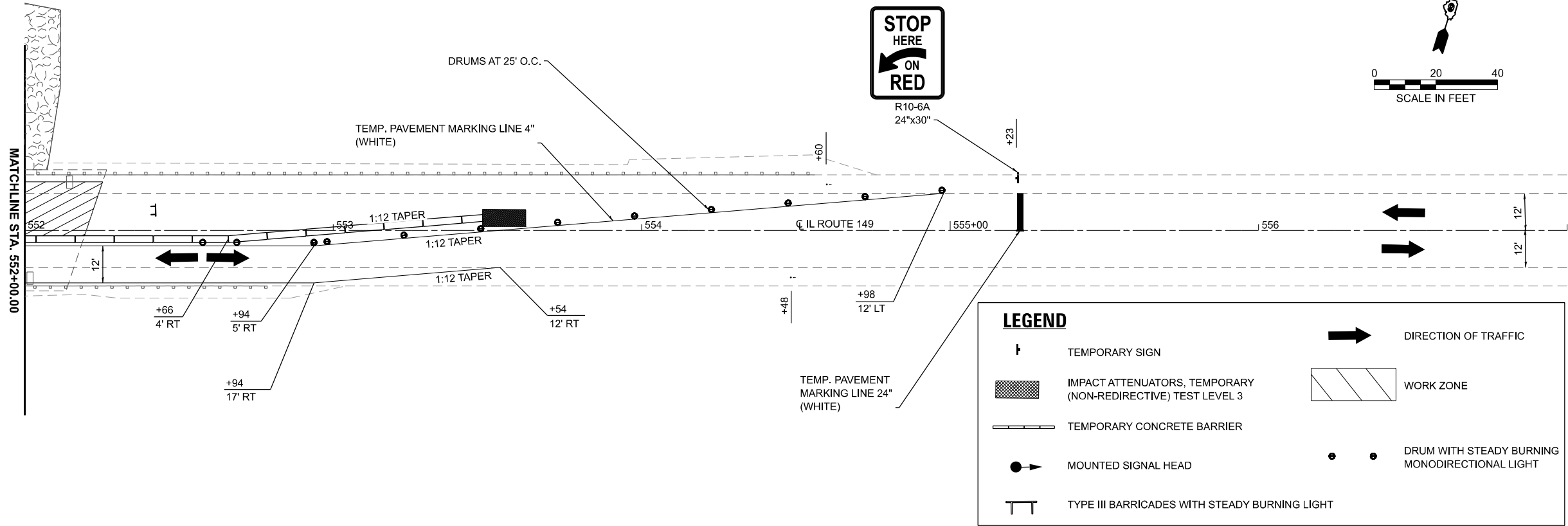
**SN 039-0064 STAGE 2 PLAN
TRAFFIC CONTROL PLAN**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	21
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



MODEL: EXC: 149 65 - Plan 5 (Sheet)
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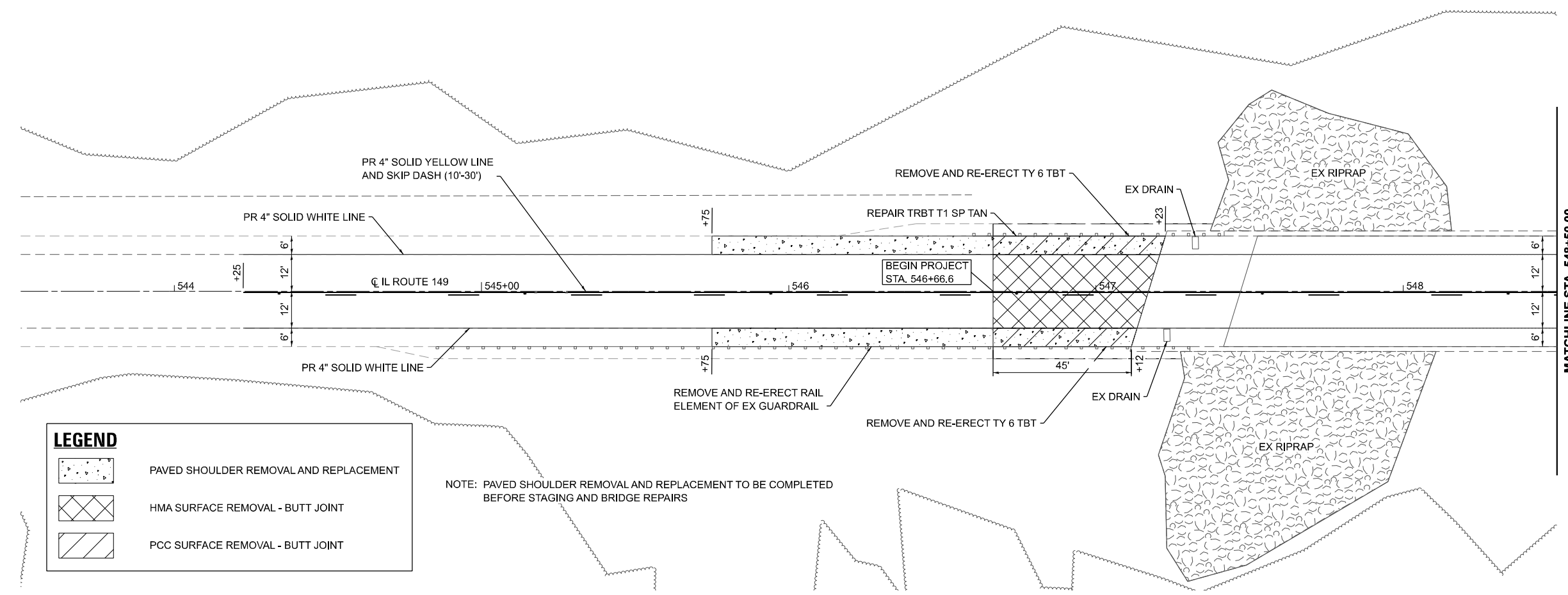
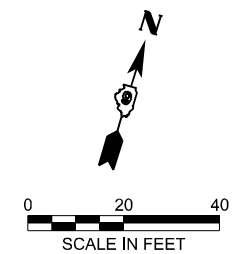
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PLOT DATE = 11/28/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




**SN 039-0064 STAGE 2 PLAN
TRAFFIC CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	22
CONTRACT NO. 78B38				
		ILLINOIS	FED. AID PROJECT	

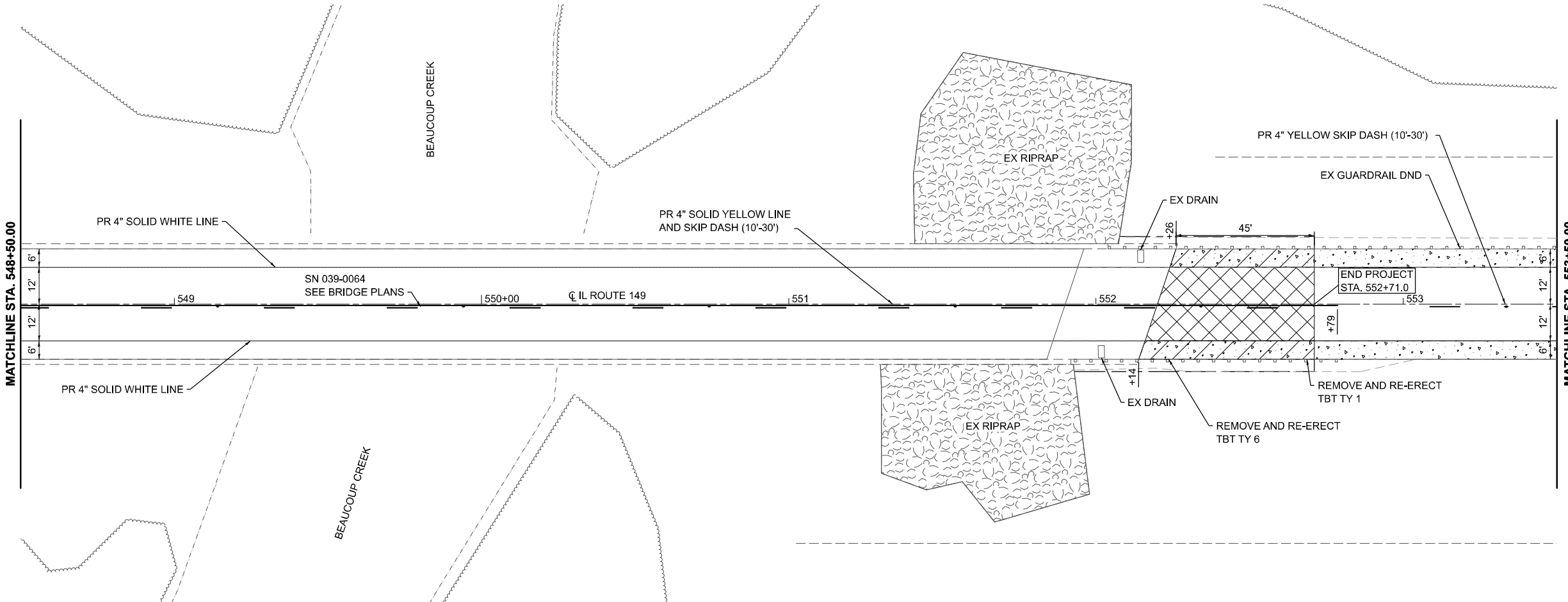
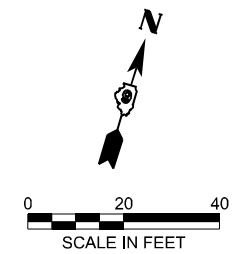


LEGEND

-  PAVED SHOULDER REMOVAL AND REPLACEMENT
-  HMA SURFACE REMOVAL - BUTT JOINT
-  PCC SURFACE REMOVAL - BUTT JOINT

NOTE: PAVED SHOULDER REMOVAL AND REPLACEMENT TO BE COMPLETED BEFORE STAGING AND BRIDGE REPAIRS

MATCHLINE STA. 548+50.00



MATCHLINE STA. 548+50.00

MATCHLINE STA. 553+50.00

MODEL: 039-0064 Plan-1 (Sheet) FILE NAME: H:\P\2224140 - D9 VAV PTB 213-50\2224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-eh-plan.dgn

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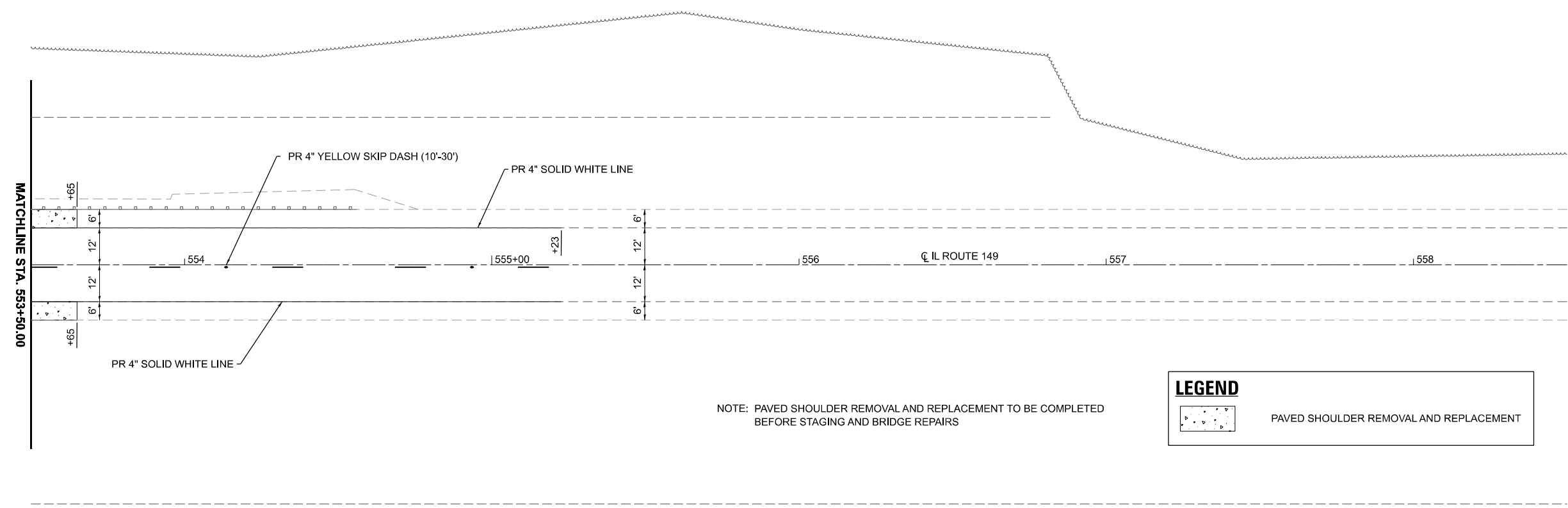
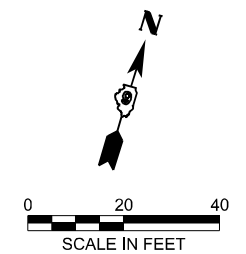
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 12/5/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 149 - S.N. 039-0064
ROADWAY PLAN SHEETS**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 543+50.00 TO STA. 553+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	23
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



NOTE: PAVED SHOULDER REMOVAL AND REPLACEMENT TO BE COMPLETED BEFORE STAGING AND BRIDGE REPAIRS

LEGEND

	PAVED SHOULDER REMOVAL AND REPLACEMENT
--	--

MODEL: 039-0064 Plan-2 (Sheet)
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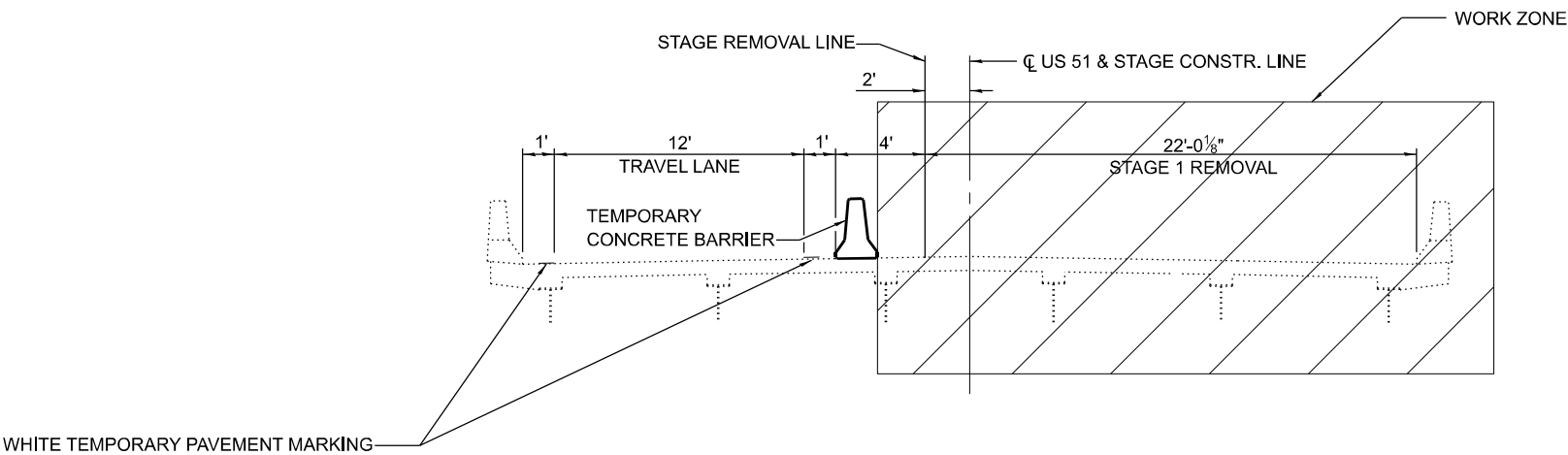
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PLOT DATE = 12/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

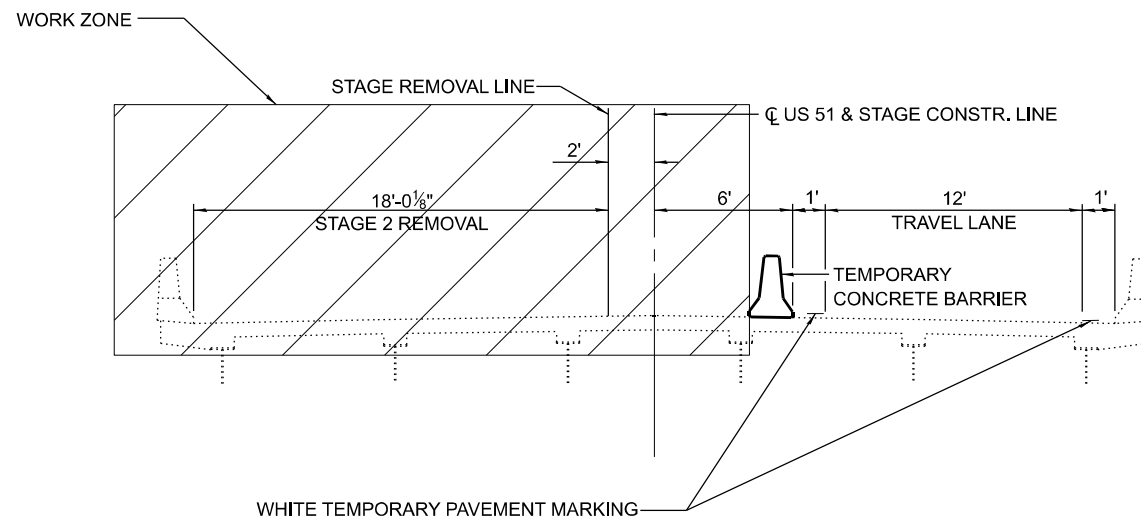
IL ROUTE 149 - S.N. 039-0064
ROADWAY PLAN SHEETS

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 553+50.00 TO STA. 558+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	24
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



STAGE 1



STAGE 2

STAGE CONSTRUCTION GENERAL NOTES

- ONE LANE OF TRAFFIC ON US51 SHALL BE MAINTAINED AT ALL TIMES.
- EMERGENCY ACCESS SHALL BE PROVIDED AT ALL TIMES.

PRE-STAGE CONSTRUCTION

- REPLACE ASPHALT SHOULDERS WITH PCC SHOULDERS AS SHOWN ON THE ROADWAY PLAN SHEETS USING TRAFFIC CONTROL AND PROTECTION STANDARD 701326.

SUGGESTED STAGE 1 CONSTRUCTION

- UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARD 701201 TO SETUP TRAFFIC CONTROL PLAN.
- PLACE TEMPORARY TRAFFIC CONTROL AS SHOWN ON NEXT SHEET.
- INSTALL TEMPORARY TRAFFIC SIGNALS PRIOR TO CLOSING THE RIGHT HALF OF ROADWAY.

SUGGESTED STAGE 2 CONSTRUCTION

- UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 TO CLOSE THE LEFT HALF OF ROADWAY.

TRAFFIC CONTROL NOTES

- THREE PHASE SIGNAL OPERATION IS REQUIRED WHEN HIGHWAY STANDARD 701321 IS IN EFFECT. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS.
- THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL MUTCD REQUIREMENTS.
- THE CONTRACTOR SHALL USE MICROWAVE DETECTION FOR USE WITH THE TEMPORARY TRAFFIC SIGNALS IN ACCORDANCE WITH HIGHWAY STANDARD 701321.
- REMOVAL OF THE RUMBLE STRIPS AFTER STAGED CONSTRUCTION SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE TO THE EXISTING PAVEMENT FROM THE RUMBLE STRIPS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THERE WILL BE NO ADDITIONAL COMPENSATION.
- ALL TEMPORARY PAVEMENT MARKINGS, DRUMS, ETC. SHALL BE PLACED PRIOR TO PLACING TEMPORARY CONCRETE BARRIERS.

MODEL: SN 039-0065 STAGING TYPICAL (Sheet)
 FILE NAME: H:\P\224140 - D9 VAY /PTB 213-50\224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0976B38-st1-typical-staging.dgn



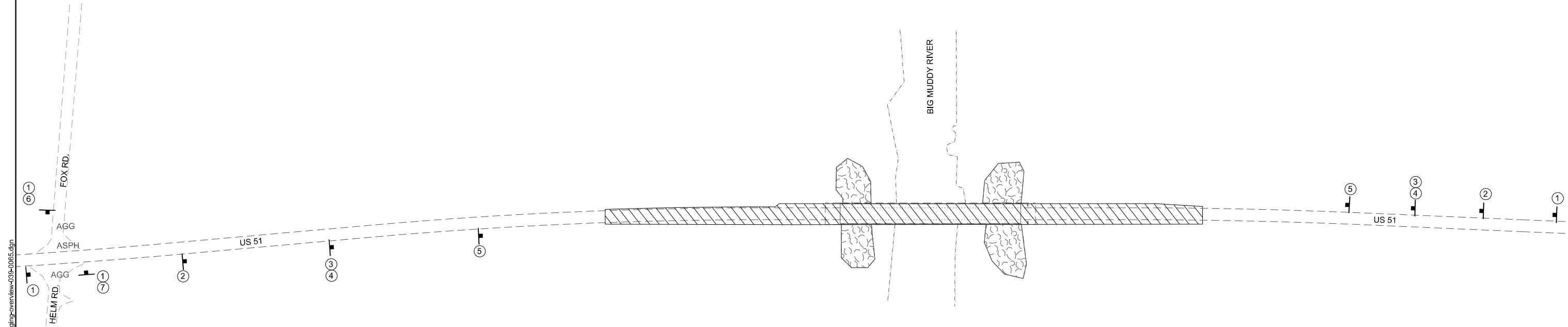
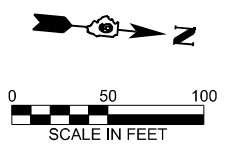
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SN 039-0065 STAGING TYPICALS
 TRAFFIC CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	25
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



NOTES:
 1. THIS LOCATION INCLUDES STAGE 1 AND 2 FOR STRUCTURE 039-0065
 2. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER.

LEGEND

	①	W20-1103(0) 48"x48"
	②	W12-1102 48"x48"
	③	W20-4(0) 48"x48"
	④	W13-1(0) 24"x24"
	⑤	W3-3(0) 48"x48"
	⑥	M5-1R 24"x24"
	⑦	M5-1L 24"x24"

WORK ZONE AND TRAFFIC CONTROL AREA

MODEL: SN 039-0065 STAGING OVERVIEW (Sheet)
 FILE NAME: H:\P\2224140 - D9 V.A / PTB 213-50\2224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-staging-overview-039-0065.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = ryme.wirtjes	DESIGNED -	REVISED -
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DATE -		REVISED -
PLOT DATE = 11/26/2025		

**STATE OF ILLINOIS
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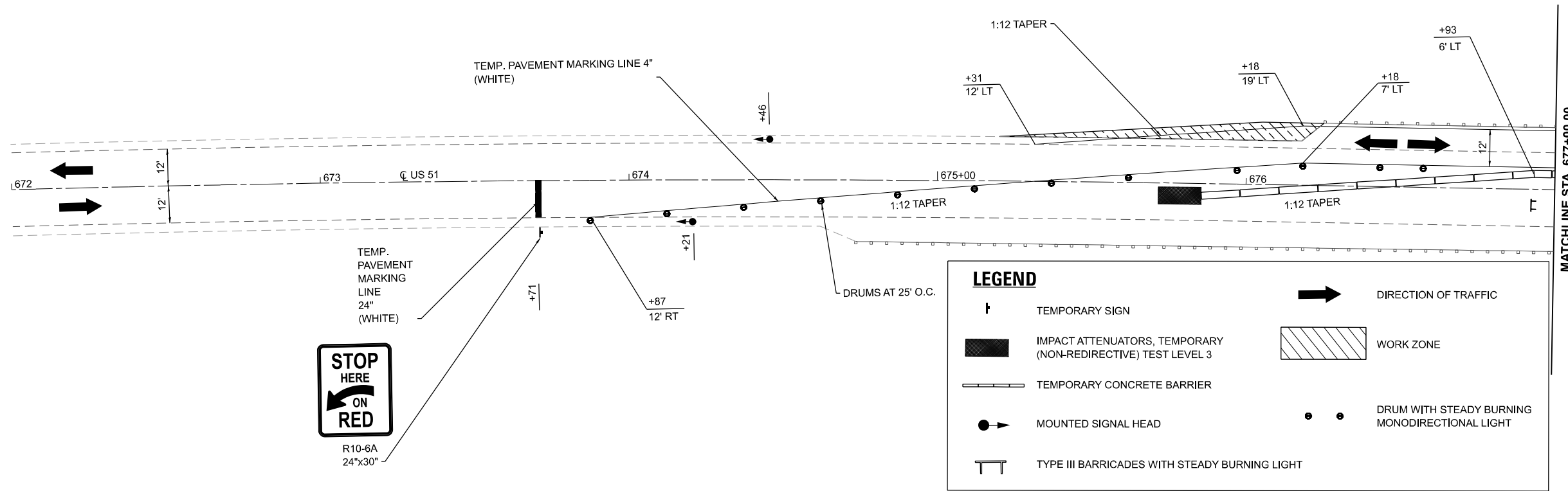
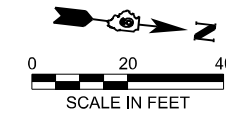
**SN 039-0065 OVERVIEW
 TRAFFIC CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	26
CONTRACT NO. 78B38				
		ILLINOIS	FED. AID PROJECT	

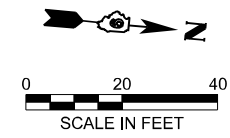
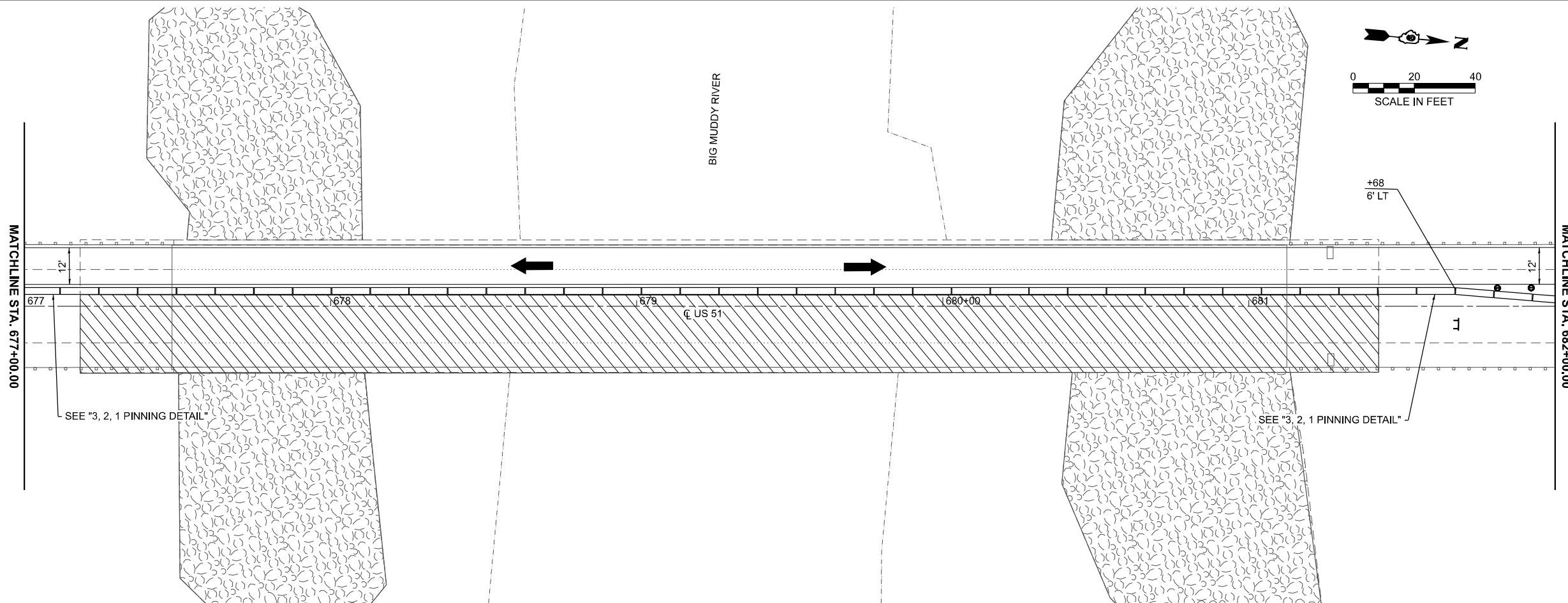
NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



LEGEND

- TEMPORARY SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- MOUNTED SIGNAL HEAD
- TYPE III BARRICADES WITH STEADY BURNING LIGHT
- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT



MODEL: EXC1_53 - Plan 3 (Sheet) FILE NAME: H:\P\224140 - D9 VAV PTB 213-50224140.D05 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\D978B38-HI-staging-stage -039-0065 - 20 Scale.dgn

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	CHECKED -	REVISED -
DATE -	DATE -	REVISED -
PLOT DATE = 12/5/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

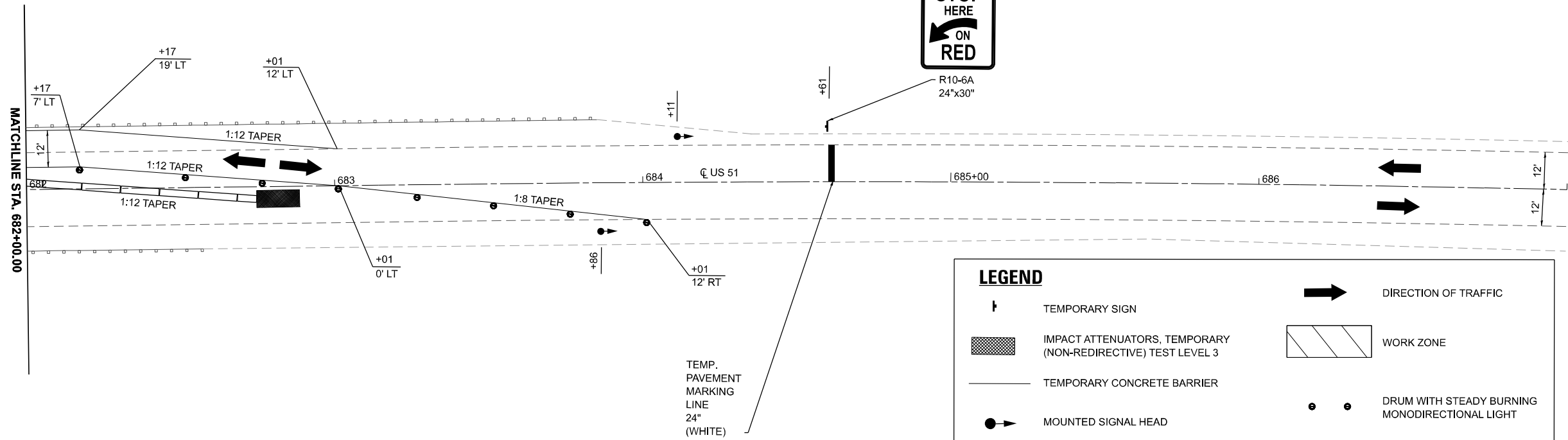
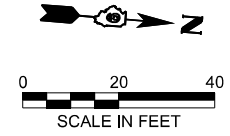
**SN 039-0065 STAGE 1 PLAN
TRAFFIC CONTROL PLAN**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	27
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



LEGEND

- TEMPORARY SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- MOUNTED SIGNAL HEAD
- TYPE III BARRICADES WITH STEADY BURNING LIGHT
- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT

MODEL: EXCL 53 - Plan 5 (Sheet)
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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	DRAWN -	REVISED -
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PLOT DATE = 11/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

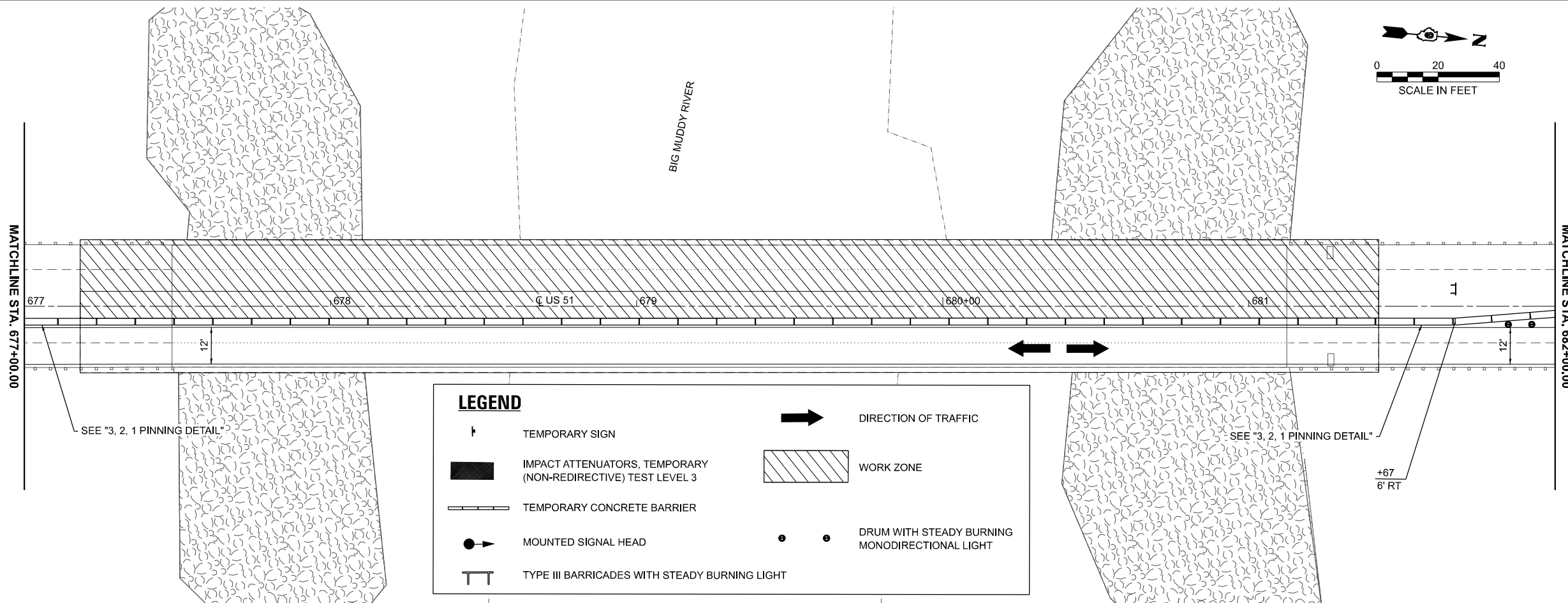
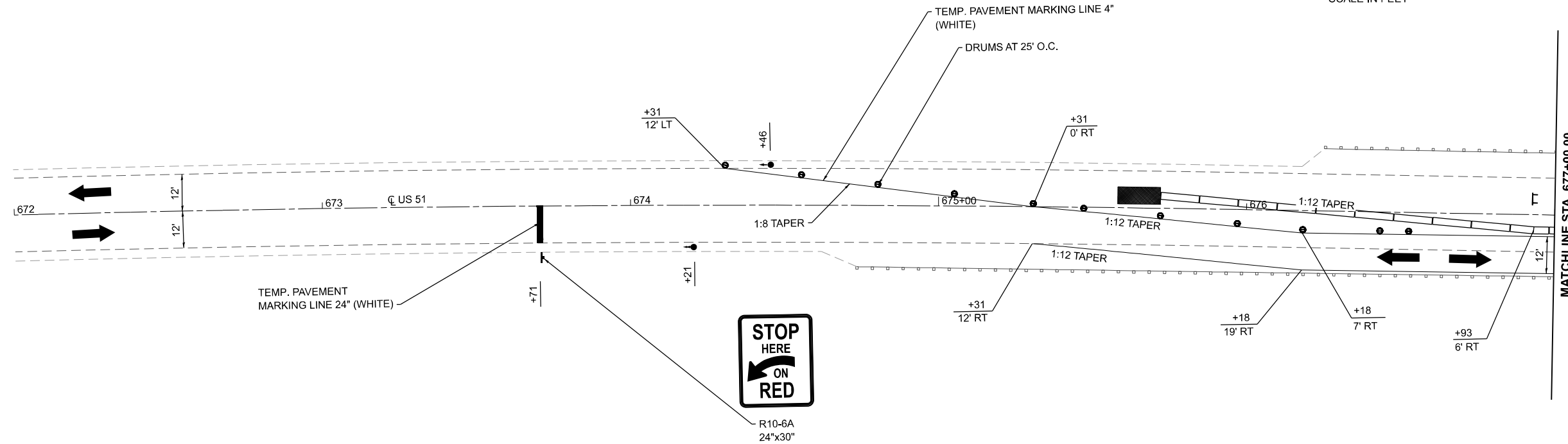
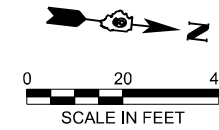
**SN 039-0065 STAGE 1 PLAN
 TRAFFIC CONTROL PLAN**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	28
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



LEGEND	
	TEMPORARY SIGN
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
	TEMPORARY CONCRETE BARRIER
	MOUNTED SIGNAL HEAD
	TYPE III BARRICADES WITH STEADY BURNING LIGHT
	DIRECTION OF TRAFFIC
	WORK ZONE
	DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT

MODEL: EXC1-54 - Plan 3 (Sheet) FILE NAME: H:\2224140 - D9 VAV PTB 213-50224140.005 - US51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978B38-hi-staging-stage 2-039-0065 - 20 Scale.dgn



USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 12/5/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

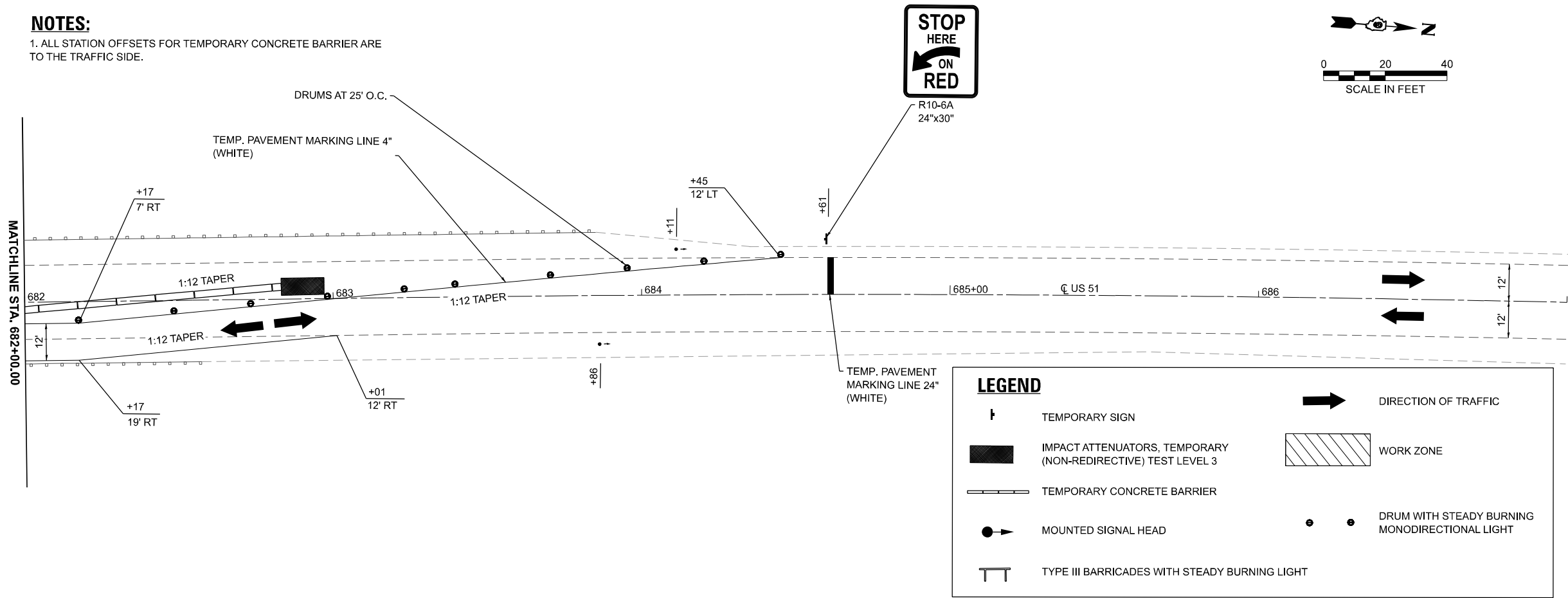
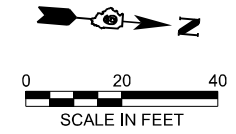
**SN 039-0065 STAGE 2 PLAN
TRAFFIC CONTROL PLAN**

F.A.P. RTE. 322	SECTION D9 BRIDGE OVERLAY 2026-4	COUNTY JACKSON	TOTAL SHEETS 57	SHEET NO. 29
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

NOTES:

1. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE TRAFFIC SIDE.



MODEL: EXC1_54 - Plan 5 (Sheet)
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USER NAME = ryme.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SN 039-0065 STAGE 2 PLAN
 TRAFFIC CONTROL PLAN**

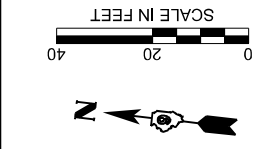
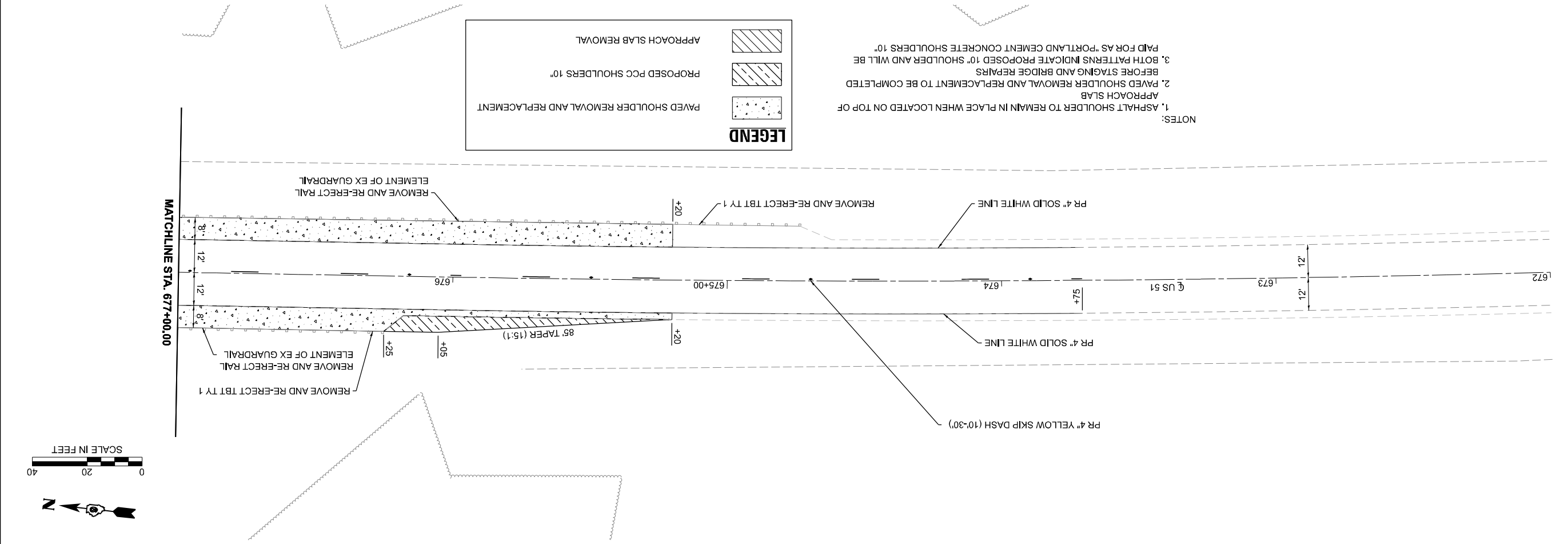
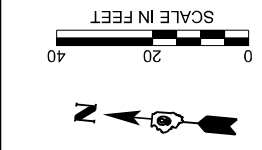
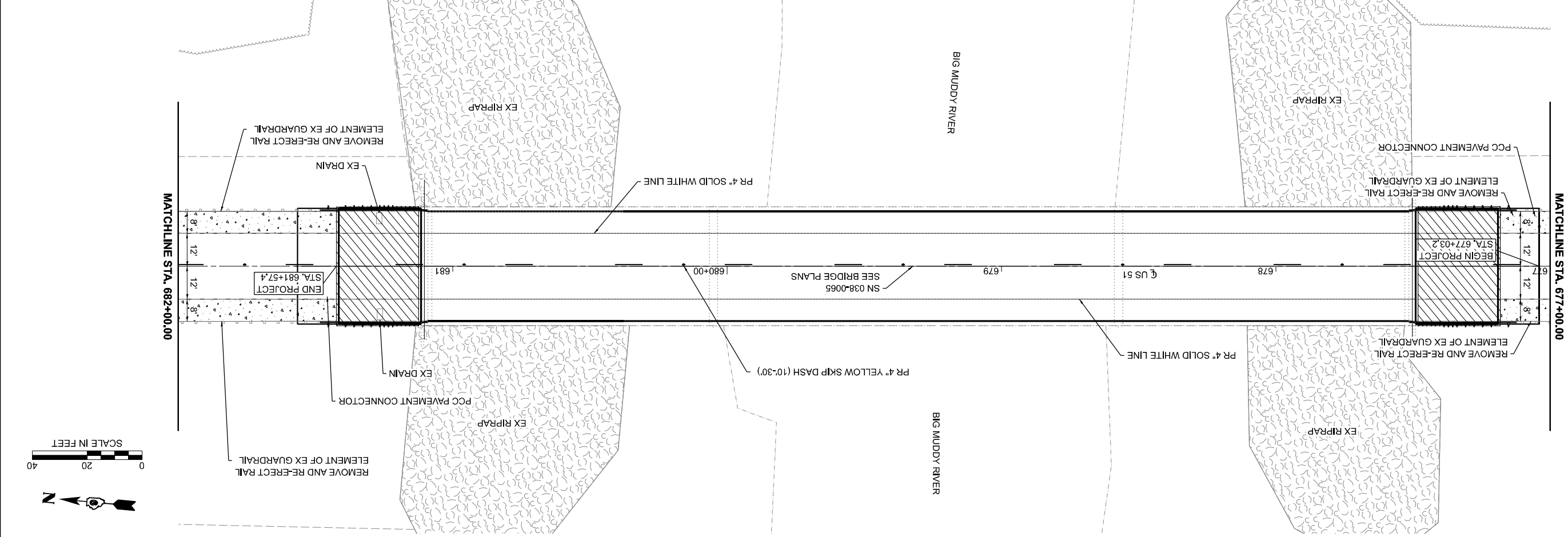
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	30
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

USER NAME = ryan.wijes	DESIGNED -	REVISD -
	DRAWN -	REVISD -
	CHECKED -	REVISD -
	DATE -	REVISD -

SCALE: 1" = 20'	SHEET 1	OF 2 SHEETS	STA. 672+00.00	TO STA. 682+00.00
US ROUTE 51 - S.N. 039-0065				
ROADWAY PLAN SHEETS				
F.A.P. RTE. 322	SECTION	D9 BRIDGE OVERLAY 2026-4	JACKSON	CONTRACT NO. 78B38
TOTAL SHEETS	COUNTY	SHEETS	NO.	31

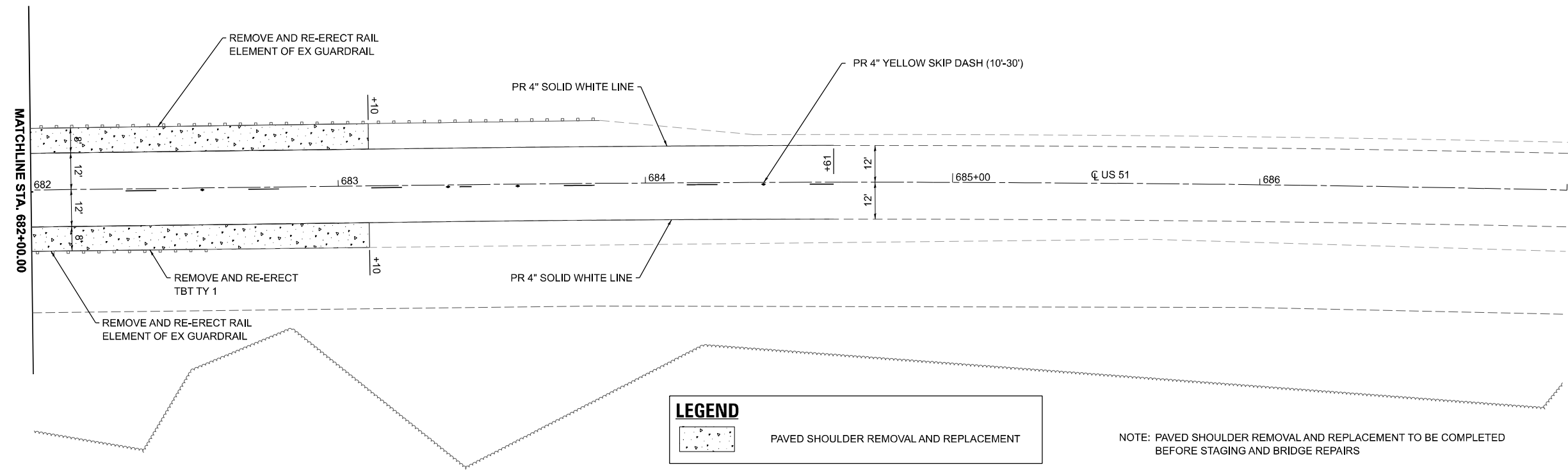
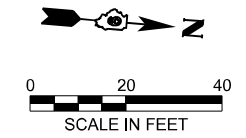
ILLINOIS	FED. AID PROJECT
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NOTES:
 1. ASPHALT SHOULDER TO REMAIN IN PLACE WHEN LOCATED ON TOP OF APPROACH SLAB
 2. PAVED SHOULDER REMOVAL AND REPLACEMENT TO BE COMPLETED BEFORE STAGING AND BRIDGE REPAIRS
 3. BOTH PATTERNS INDICATE PROPOSED 10" SHOULDER AND WILL BE PAID FOR AS "PORTLAND CEMENT CONCRETE SHOULDERS 10"

LEGEND

	PAVED SHOULDER REMOVAL AND REPLACEMENT
	PROPOSED PCC SHOULDERS 10"
	APPROACH SLAB REMOVAL



LEGEND

 PAVED SHOULDER REMOVAL AND REPLACEMENT

NOTE: PAVED SHOULDER REMOVAL AND REPLACEMENT TO BE COMPLETED BEFORE STAGING AND BRIDGE REPAIRS

MODEL: 039-0065 Plan-2 (Sheet)
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	DRAWN -	REVISED -
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PLOT DATE = 12/1/2025	DATE -	REVISED -

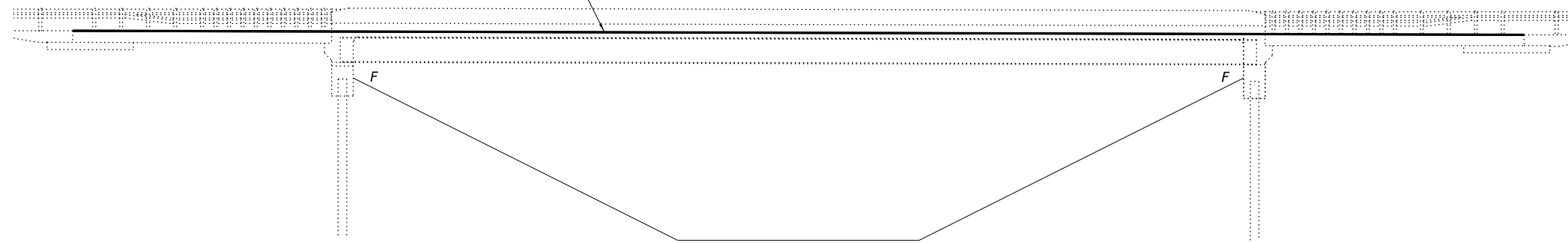
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 51 - S.N. 039-0065
 ROADWAY PLAN SHEETS**

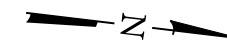
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 682+00.00 TO STA. 687+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	32
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

Concrete Bridge Deck Scarification $\frac{3}{8}$ " and
Bridge Deck Thin Polymer Overlay $\frac{3}{8}$ "

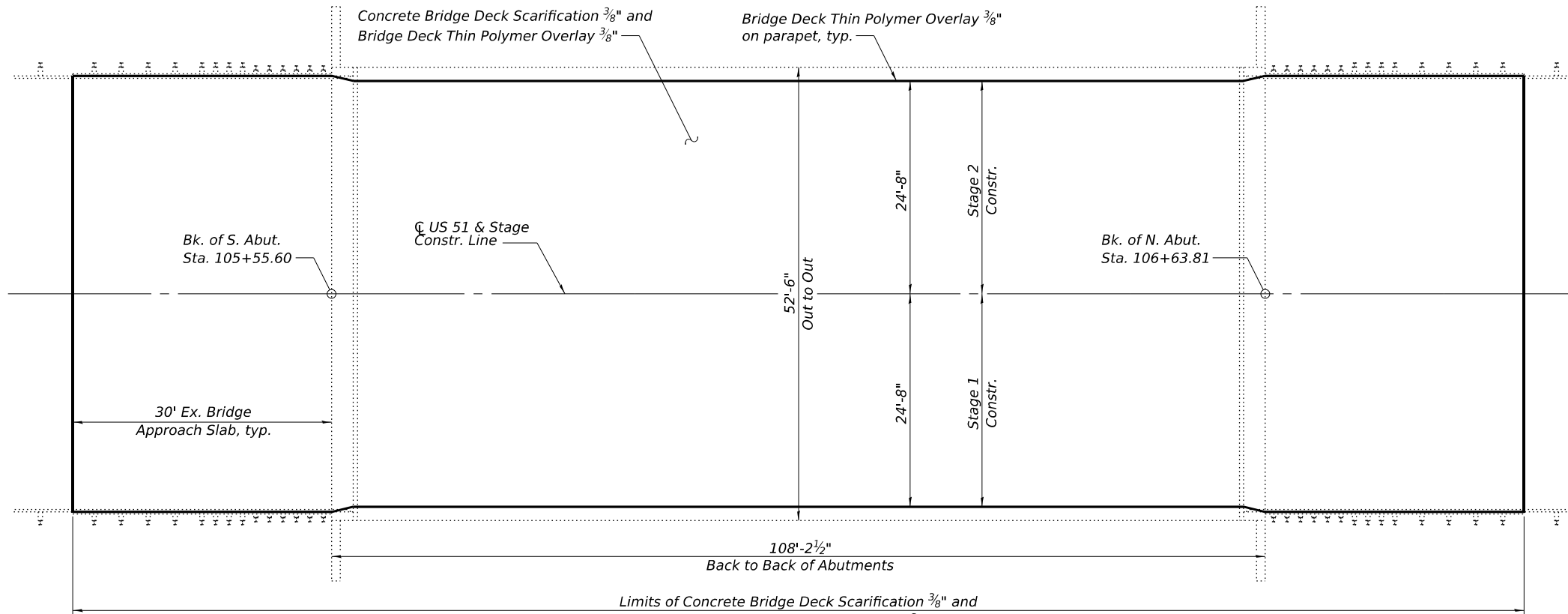


ELEVATION



Concrete Bridge Deck Scarification $\frac{3}{8}$ " and
Bridge Deck Thin Polymer Overlay $\frac{3}{8}$ "

Bridge Deck Thin Polymer Overlay $\frac{3}{8}$ "
on parapet, typ.



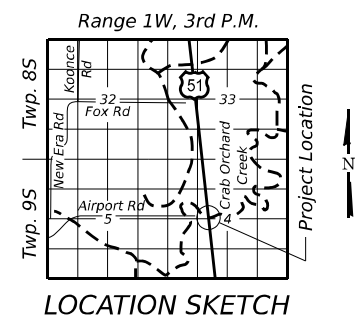
PLAN

SCOPE OF WORK

1. Bridge deck and approach slab scarification.
2. Bridge deck and approach slab repair as directed by the Engineer.
3. Thin polymer overlay on bridge deck and approach slabs.

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	General Data
3	Stage Construction Details
4	Temporary Concrete Barrier Deck Patching Plan
5	



LOCATION SKETCH

DANIEL GEORGE LUTZ
 081 006772
 STATE OF ILLINOIS
 LICENSED STRUCTURAL ENGINEER

DATE: 1/23/2026
 EXPIRATION: 11/30/2026

GENERAL PLAN & ELEVATION
US 51 OVER LITTLE CRAB ORCHARD CREEK
F.A.P. 322 - SEC D9 BRIDGE OVERLAY 2026-4
JACKSON COUNTY
STATION 105+55.60
STRUCTURE NO. 039-0063

FILE NAME: H:\P\224140-D9-14-FEB 21-5-2026\140.005-US51 IL 149 Bridge Repair Plans\BridgEPlan\0390063-General Plan and Elevation.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115
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USER NAME = ted.harms	DESIGNED - BAW	REVISED -
	CHECKED - ETH	REVISED -
PLOT SCALE = 0:2,0000 1"=1/4"	DRAWN - BAW	REVISED -
PLOT DATE = 1/23/2026	CHECKED - ETH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 039-0063
 SHEET 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	33
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

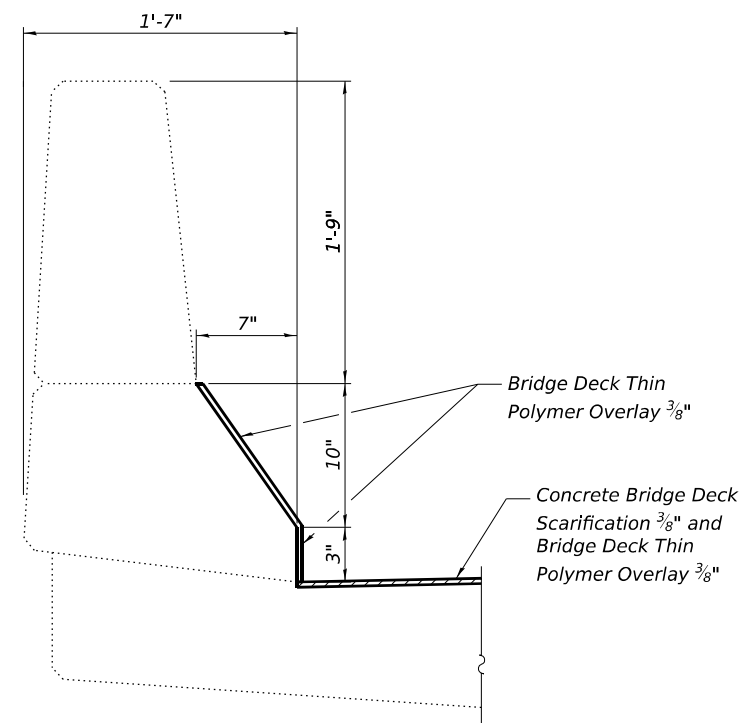
GENERAL NOTES

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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

No field welding is permitted except as specified in the contract documents.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Approach Slab Repair (Partial Depth)	Sq. Yd.	2
Concrete Bridge Deck Scarification 3/8"	Sq. Yd.	930
Bridge Deck Thin Polymer Overlay 3/8"	Sq. Yd.	960
Deck Slab Repair (Partial)	Sq. Yd.	2



SECTION THRU PARAPET

FILE NAME: H:\P224140-D9-LAY_PTB_215-50224140.D05 - US51 IL 149 Bridge Repair Plans\B49\Final Plans\039-0063\Microstation\0390063-00-General Data.dgn

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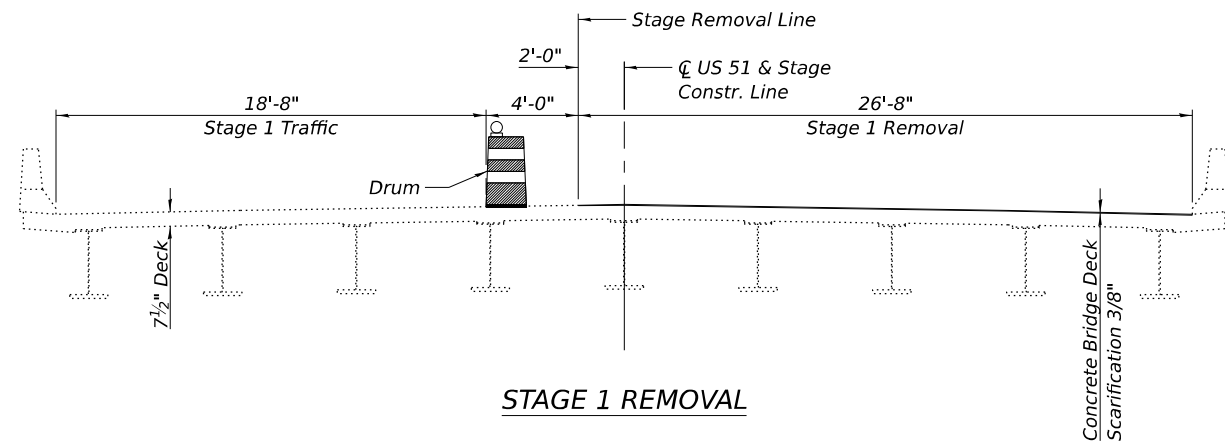
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

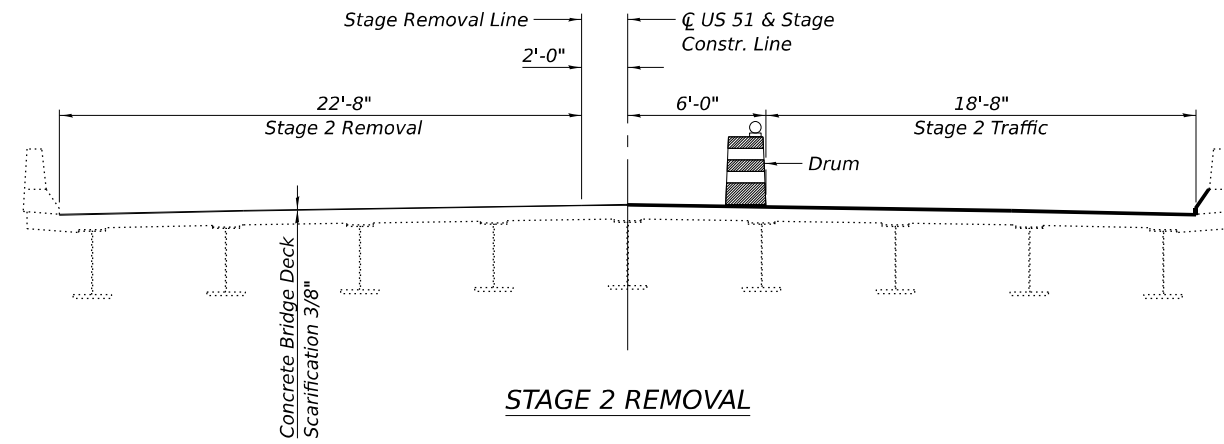
**GENERAL DATA
STRUCTURE NO. 039-0063**

SHEET 2 OF 4 SHEETS

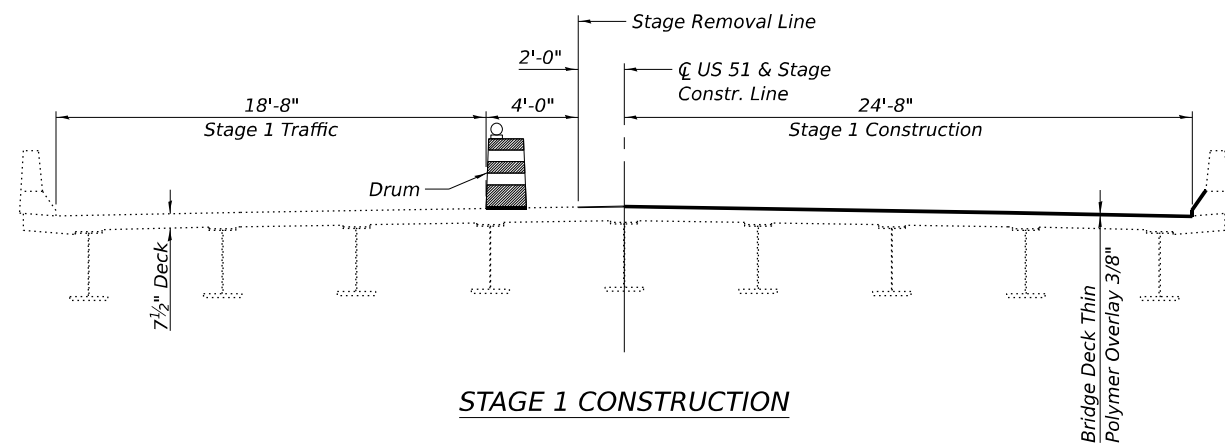
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	34
CONTRACT NO. 78B38				
		ILLINOIS	FED. AID PROJECT	



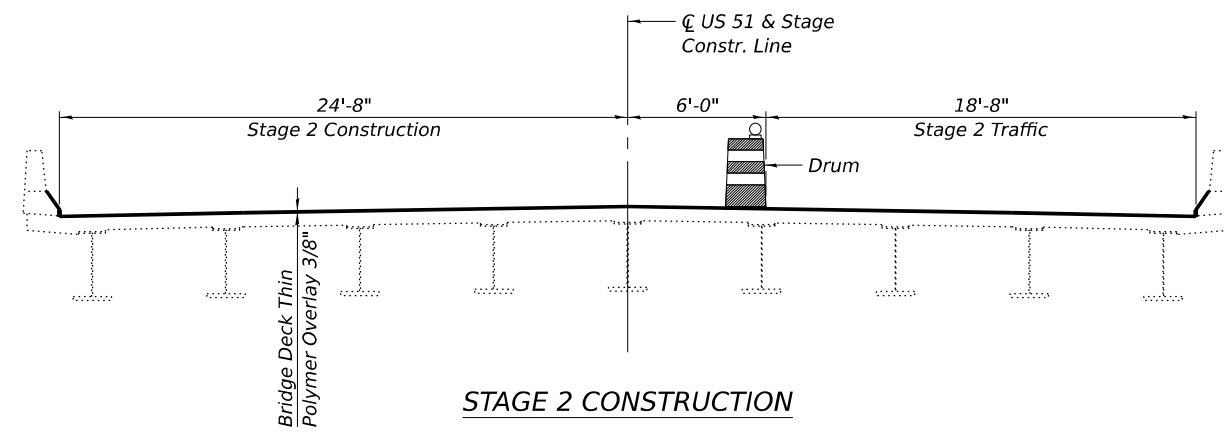
STAGE 1 REMOVAL



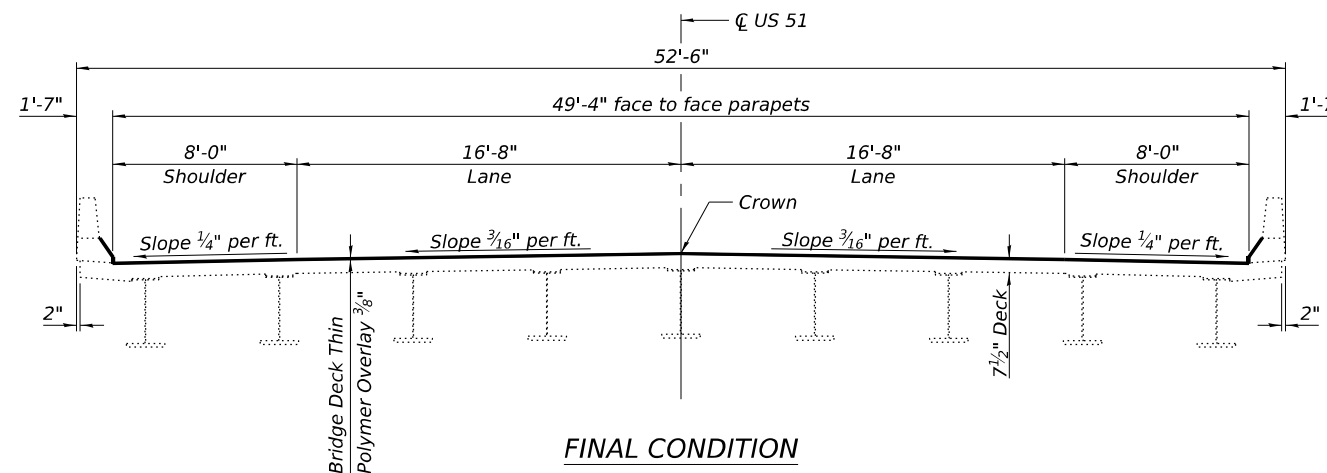
STAGE 2 REMOVAL



STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION



FINAL CONDITION

- Notes:
 ① For details of Temporary Concrete Barrier, see sheet 4 of 5.
 ② All views looking North.

FILE NAME: H:\P\221140-D9-14-F1B 215-502024-10-005- US51 IL 149 Bridge Repair Plans\B49\Final Plans\039-0063\Microstation\0390063-005-Stage Construction Details.dgn
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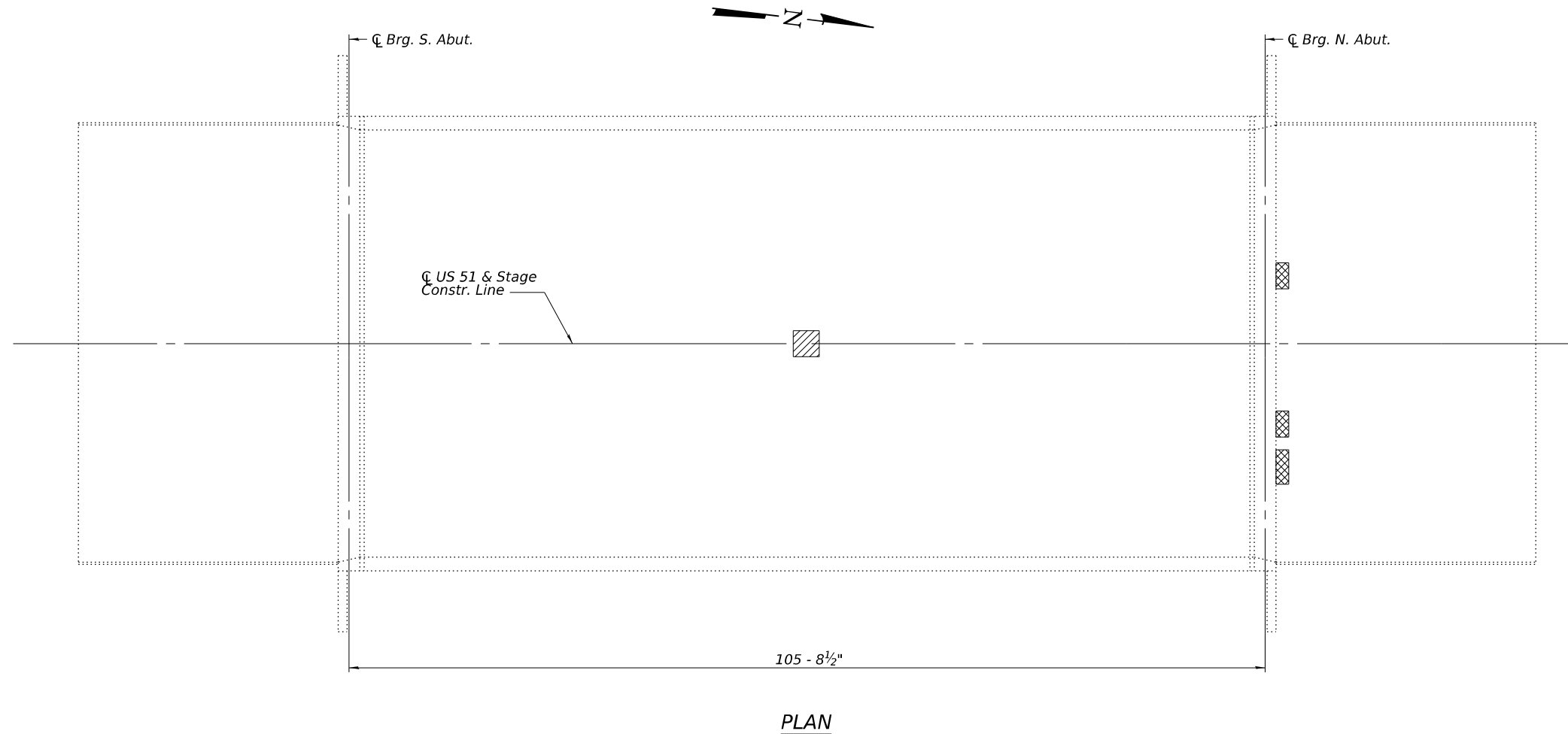
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 039-0063

SHEET 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78B38	



LEGEND

-  Deck Repair (Partial)
-  Approach Slab Repair (Partial)

BILL OF MATERIAL

Deck Slab Repair (Partial)	Sq. Yd.	2
Approach Slab Repair (Partial)	Sq. Yd.	2

- Notes:**
- ① The Resident Engineer will determine final repair locations and quantities in the field after bridge deck scarification is completed, before placement of wearing surface.
 - ② The engineer shall show actual location of deck repairs on As-built Plans.
 - ③ Deck Slab and Approach Slab Repair quantities shown include an additional 20% for repair areas not visually identified in the field.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK PATCHING PLAN
STRUCTURE NO. 039-0063**

SHEET 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78B38				
ILLINOIS		FED. AID PROJECT		

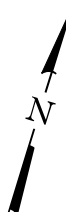
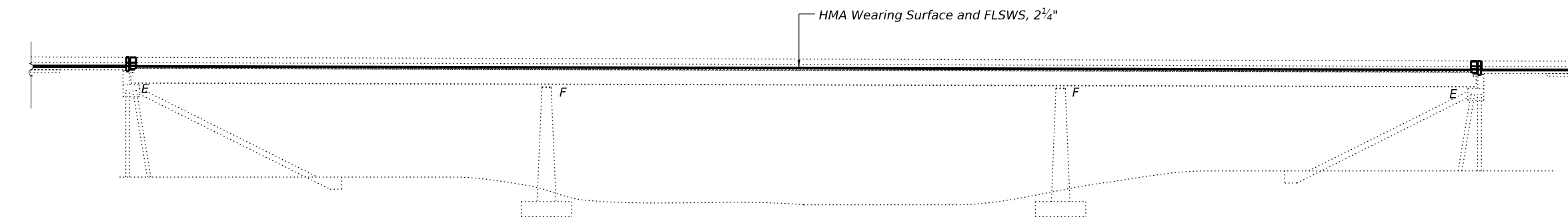
SCOPE OF WORK

1. Replace expansion joints.
2. Bridge deck and approach slab repair as directed by the Engineer.
3. HMA Overlay with Full Lane Sealant Waterproofing System (FLSWS) on bridge deck and approach slabs.

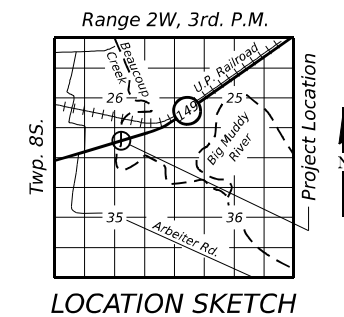
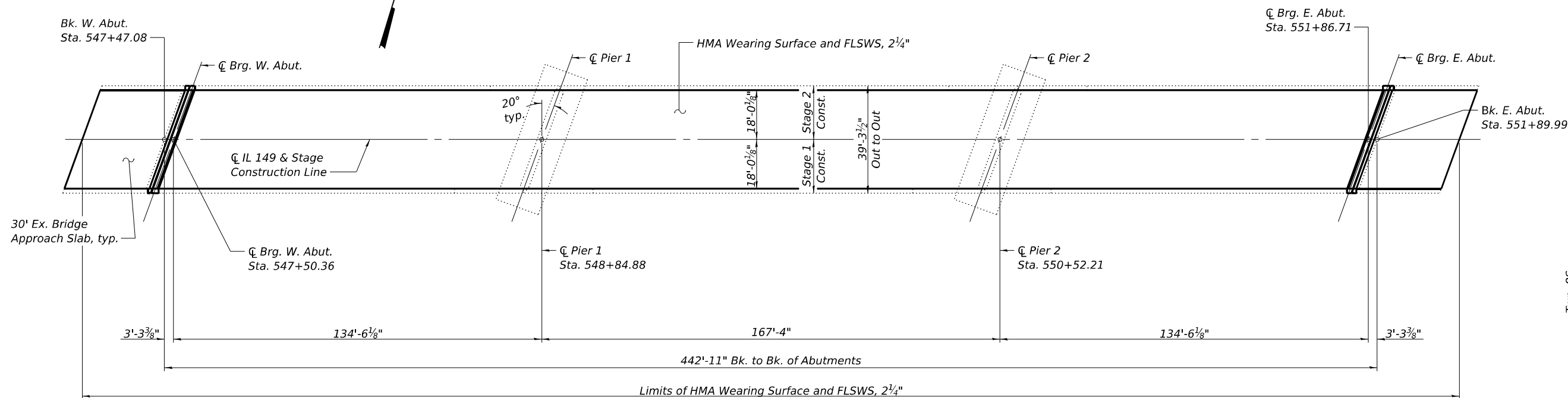
INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevations
2	General Data
3	Stage Construction Details
4	Temporary Concrete Barrier for Stage Construction
5	Deck Patching Plan
6	Joint Removal Details
7	Joint Replacement Details
8	Superstructure Details
9	Prefomed Joint Strip Seal
10	Bar Splicer Assembly Details

ELEVATION



PLAN



DANIEL GEORGE LUTZ
 081 006772
 STATE OF ILLINOIS
 LICENSED STRUCTURAL ENGINEER

DATE: 1/23/2026
 EXPIRATION: 11/30/2026

GENERAL PLAN & ELEVATION
IL 149 OVER BEAUCOUP CREEK
F.A.P RTE. 873 - SEC D9 BRIDGE OVERLAY 2026-4
JACKSON COUNTY
STATION 549+68.54
STRUCTURE NO. 039-0064

FILE NAME: H:\P224140-D9-L4-PTB 215-50294140.D05 - ISS1 IL 149 Bridge Repair Plans\Bldg\Final Plans\039-0064\Macrostation\0390064-78B38-01-General Plan and Elevation.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 039-0064
 SHEET 1 OF 10 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0873	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	37
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Polymerized Hot-Mix Asphalt Surface Course, Stone Matrix Asphalt, 9.5 Mix "D" N50	Ton	165
Protective Coat	Sq. Yd.	31
Concrete Removal	Cu. Yd.	14.7
Concrete Superstructures	Cu. Yd.	16.8
Reinforcement Bars, Epoxy Coated	Pound	1,780
Bar Splicers	Each	22
Preformed Joint Strip Seal	Foot	81
Full Lane Sealant Waterproofing System	Sq. Yd.	1,983
Approach Slab Repair (Partial Depth)	Sq. Yd.	6
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	12
Deck Slab Repair (Partial)	Sq. Yd.	1

GENERAL NOTES

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign materials shall be removed from the surfaces in contact with concrete (SSPC - SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld area shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges & Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Existing reinforcement extending into the removal area as shown 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 shall be included with Concrete Removal.

Slipforming of the parapets is not allowed.

Protective coat shall be applied to new concrete surfaces only.

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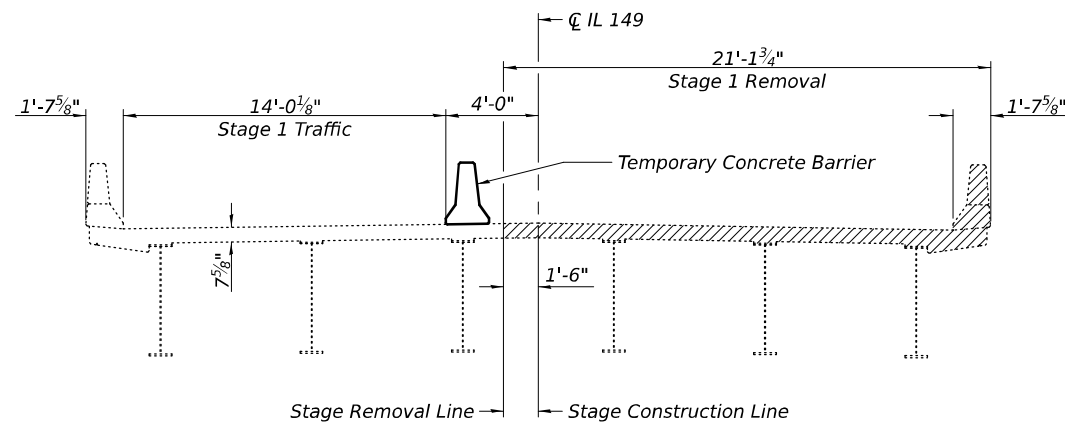
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

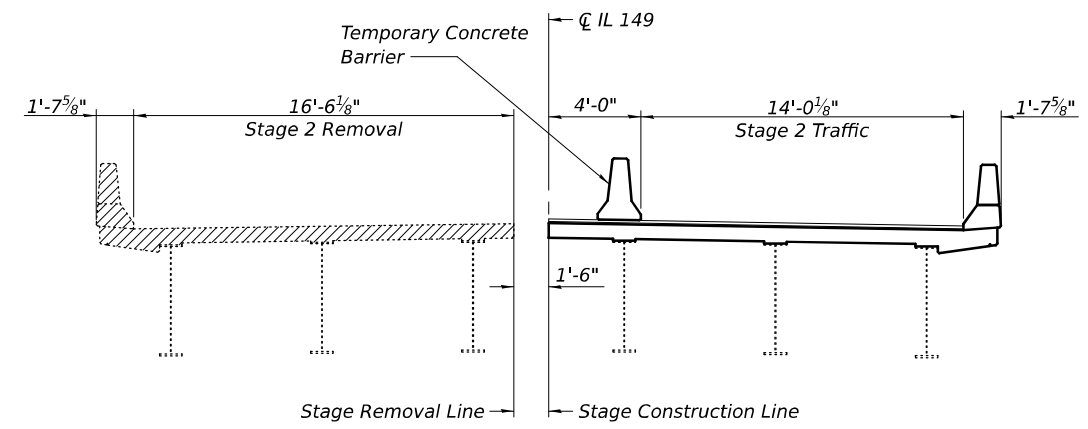
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STRUCTURE NO. 039-0064**

SHEET 2 OF 10 SHEETS

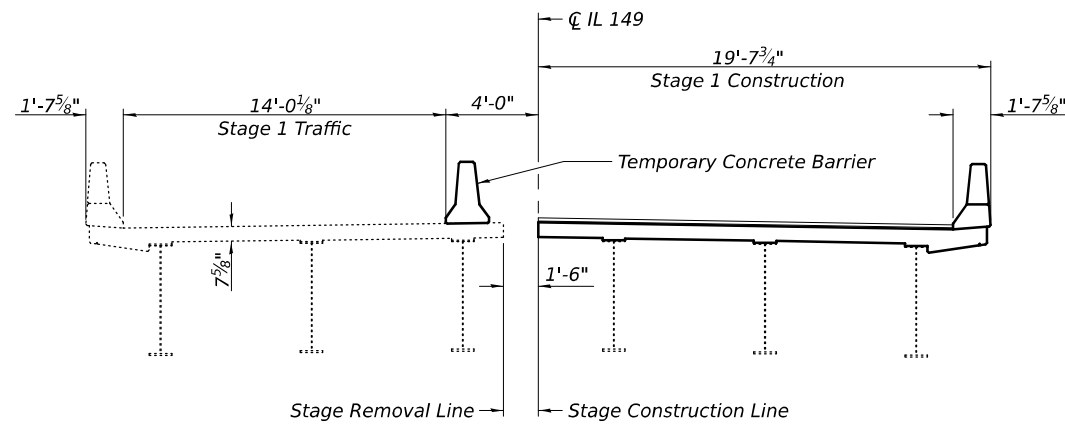
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
873	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	38
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



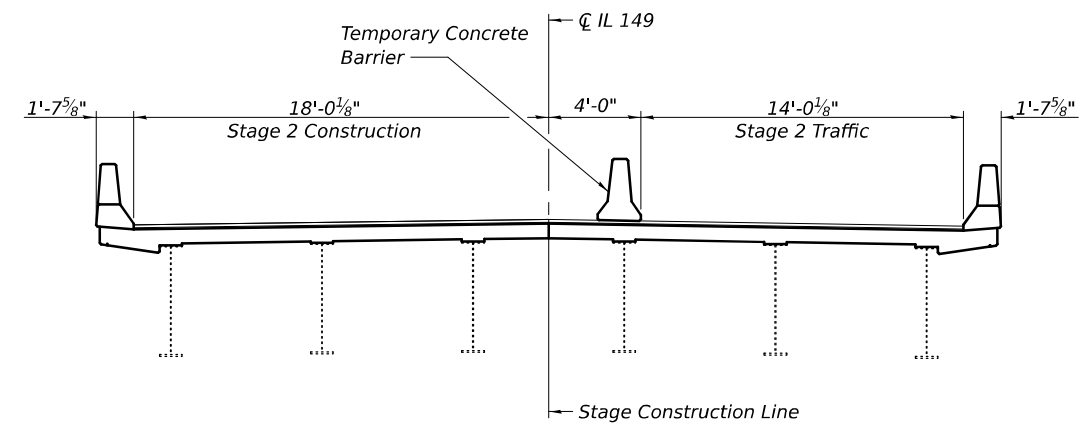
STAGE 1 REMOVAL



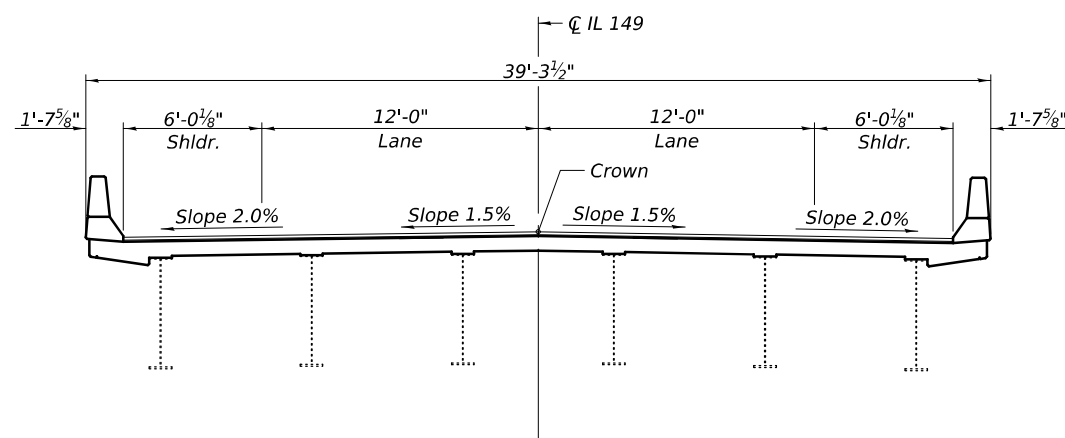
STAGE 2 REMOVAL



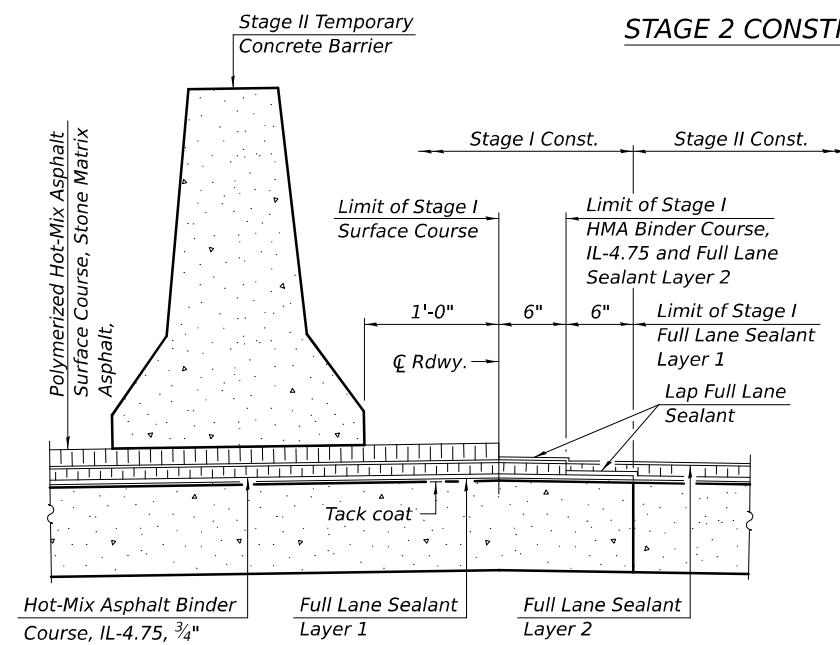
STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION



FINAL CONDITION



WATERPROOFING STAGING

- Notes:
- ① Hatched area represents concrete removal.
 - ② For details of Temporary Concrete Barrier, see sheet 4 of 10.
 - ③ All views looking East.
 - ④ Full Lane Sealant Waterproofing System consists of an initial tack coat to promote bonding, Layer 1 of Full Lane Sealant, a layer of Hot-Mix Asphalt Binder Course, IL-4.75, and Layer 2 of Full Lane Sealant.

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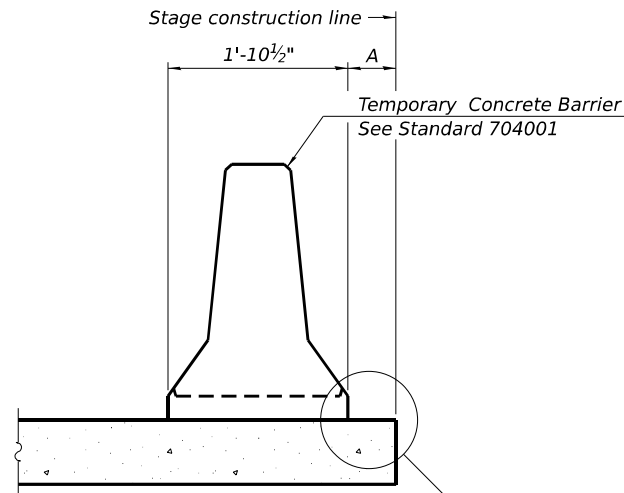
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 039-0064**

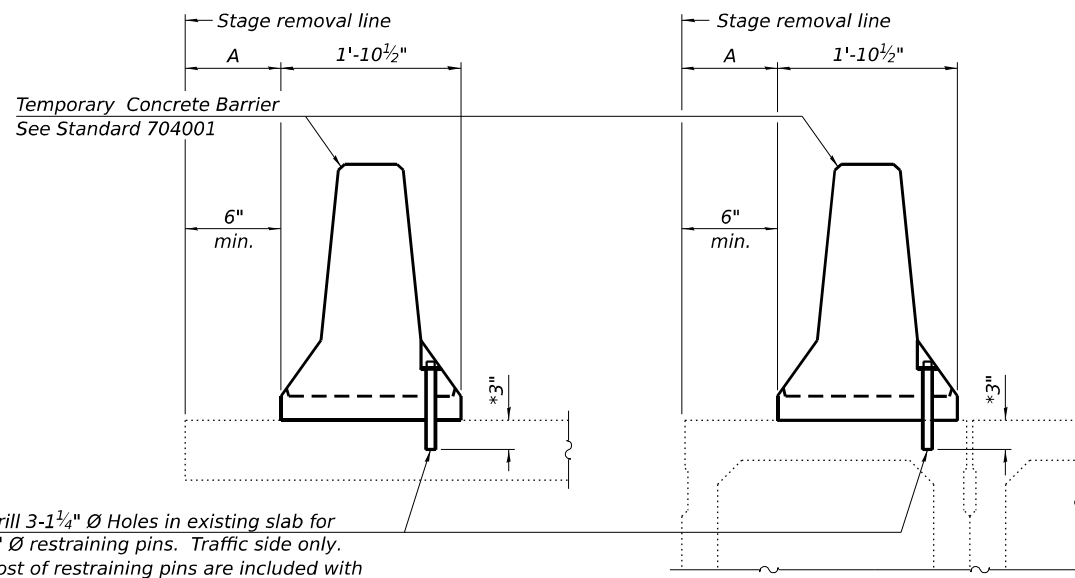
SHEET 3 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
873	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	39
CONTRACT NO. 78B38				
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



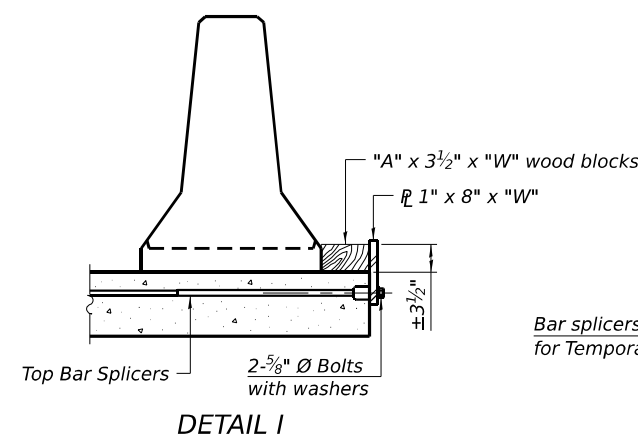
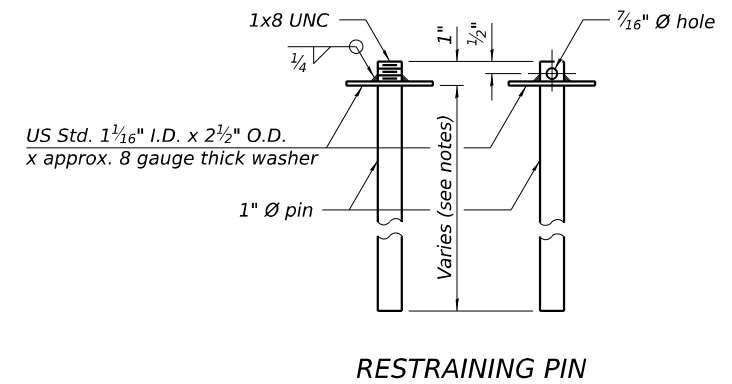
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

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

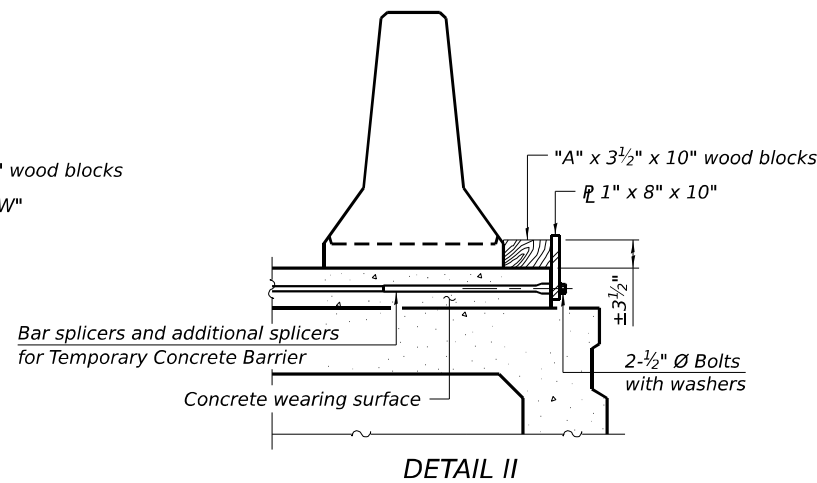
EXISTING SLAB

EXISTING DECK BEAM

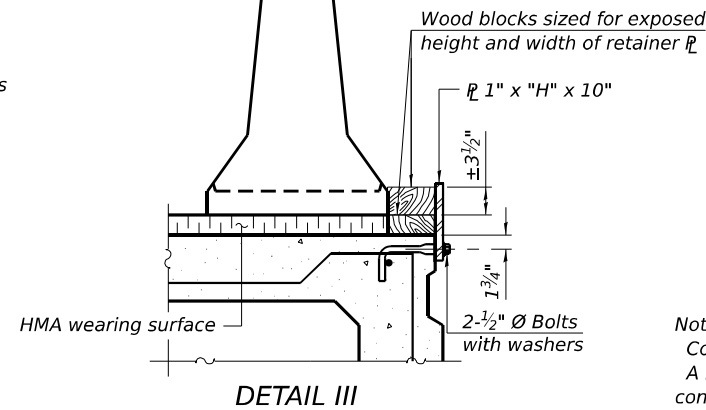
SECTIONS THRU SLAB OR DECK BEAM



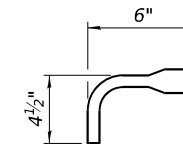
DETAIL I



DETAIL II



DETAIL III



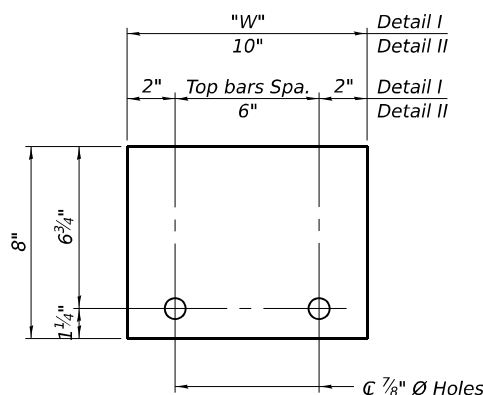
BAR SPLICER FOR #4 BAR - DETAIL III

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.

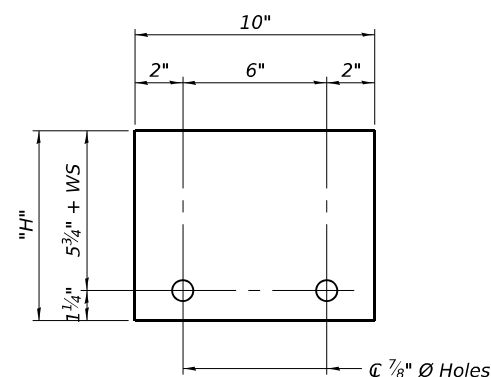
Detail I - Installation for a new bridge deck or bridge slab.

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.



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



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

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023



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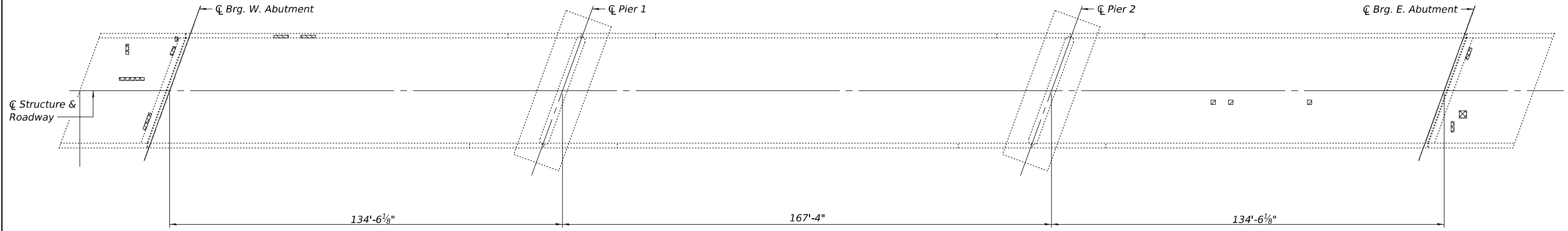
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 039-0064

SHEET 4 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
873	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	40
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P\224140-D9-4\4_PTB_215-502024\40_005-US51-IL-149-Bridge-Repairs-Plans\Bridges\Final-Plans\039-0064\Microstation\0390064-78B38-40-4-Temporary Concrete Barrier for Stage Construction.dgn



LEGEND

- Deck Repair (Partial)
- Approach Slab Repair (Partial)
- Structural Repair of Concrete (Depth ≤ 5")

BILL OF MATERIAL

Approach Slab Repair (Partial)	Sq. Yd.	6
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.	12
Deck Slab Repair (Partial)	Sq. Yd.	1

Notes:

- ① The Resident Engineer will determine final repair locations and quantities in the field before placement of wearing surface.
- ② The engineer shall show actual location of deck repairs on As-built Plans.
- ③ Deck Slab, Approach Slab Repair, and Structural repair of concrete quantities shown include an additional 20% for repair areas not visually identified in the field.

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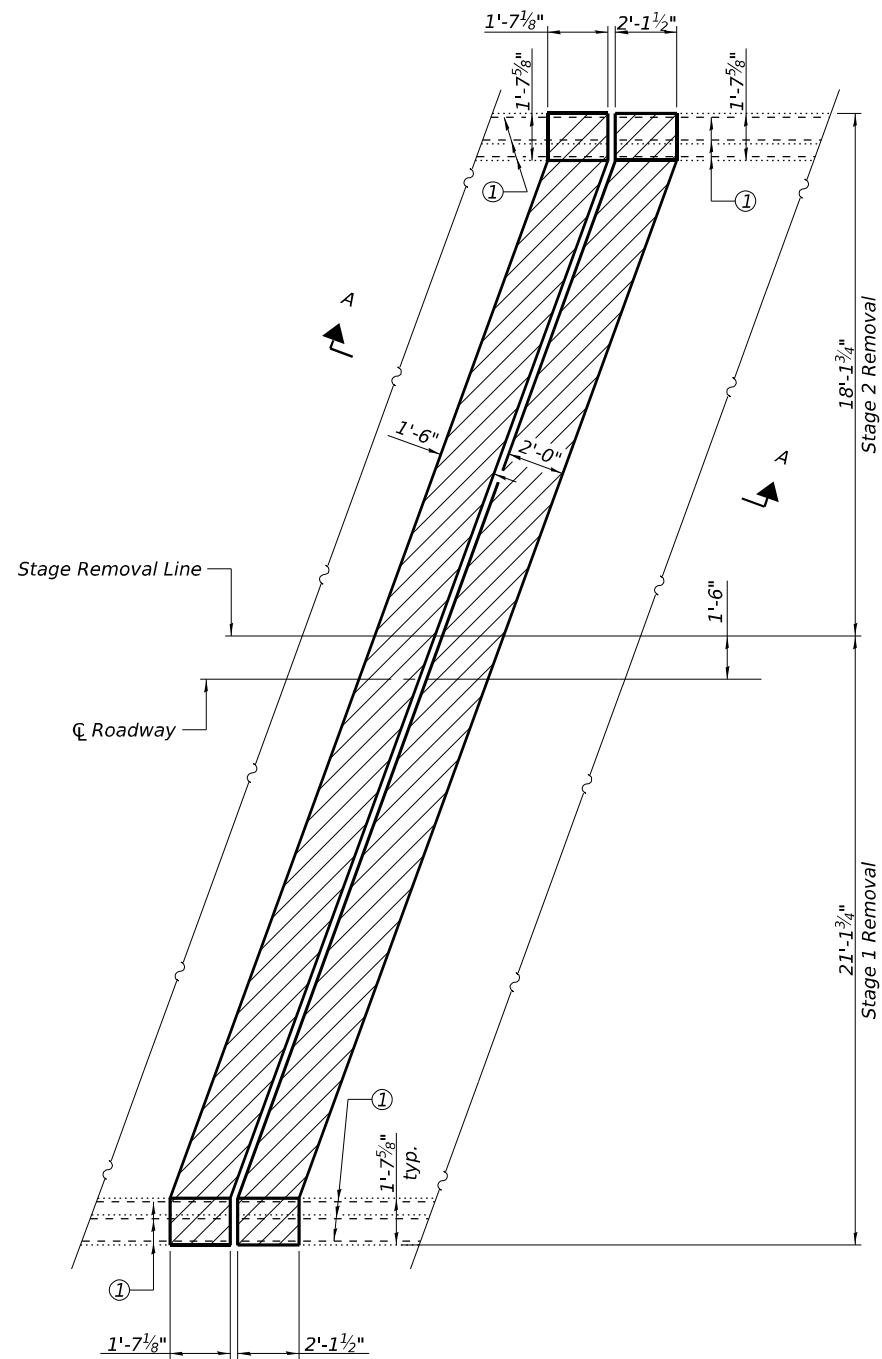
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DEPARTMENT OF TRANSPORTATION**

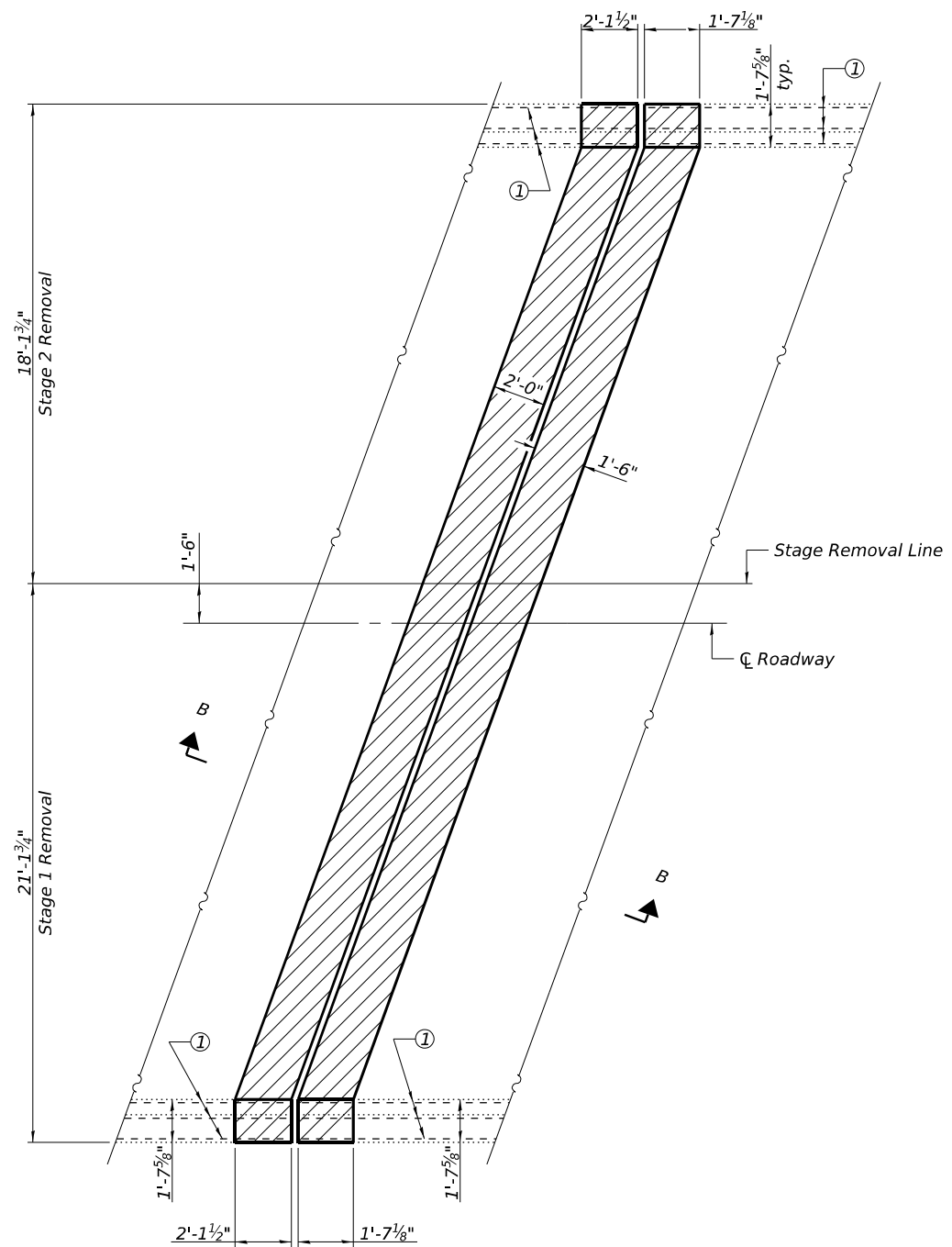
**DECK PATCHING PLAN
STRUCTURE NO. 039-0064**

SHEET 5 OF 10 SHEETS

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ILLINOIS FED. AID PROJECT			CONTRACT NO. 78B38	

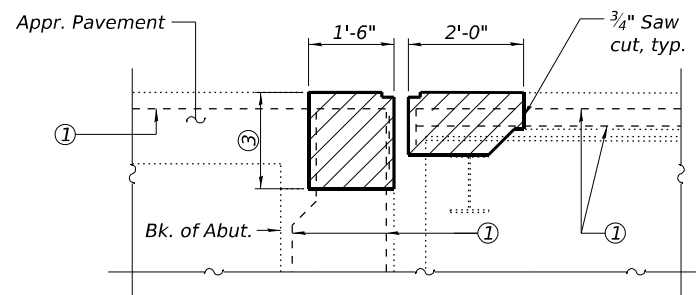


WEST ABUTMENT

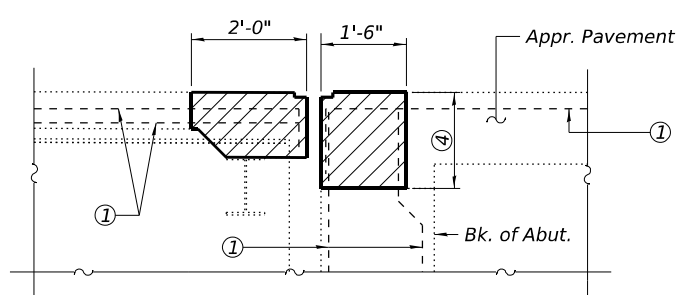


EAST ABUTMENT

PLAN



SECTION A-A



SECTION B-B

- Notes:
- ① Existing reinforcement shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 - ② Hatched area represents Concrete Removal.
 - ③ Dimension varies 1'-4 1/8" to 1'-8 3/4".
 - ④ Dimension varies 1'-4 1/8" to 1'-7 7/8".

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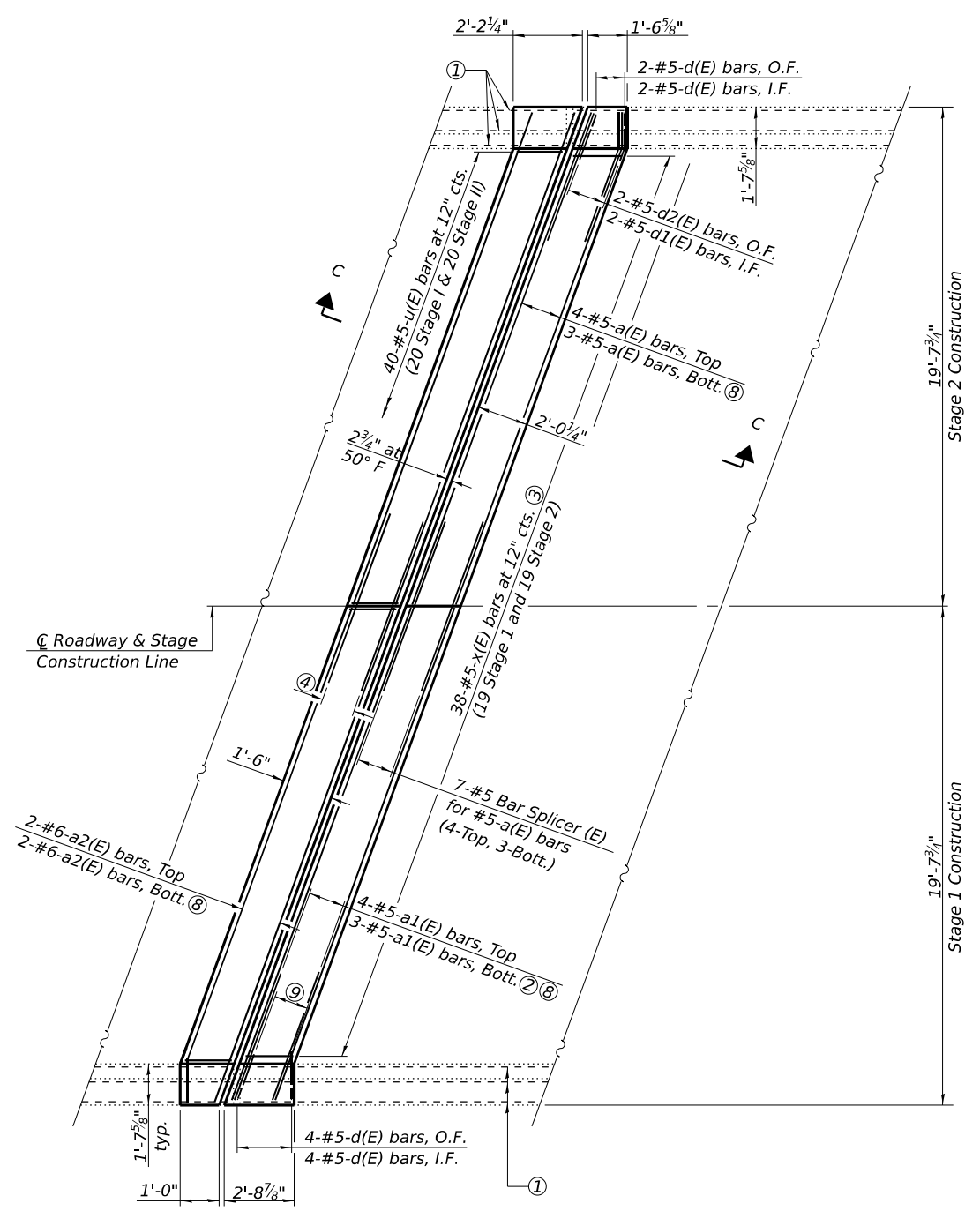
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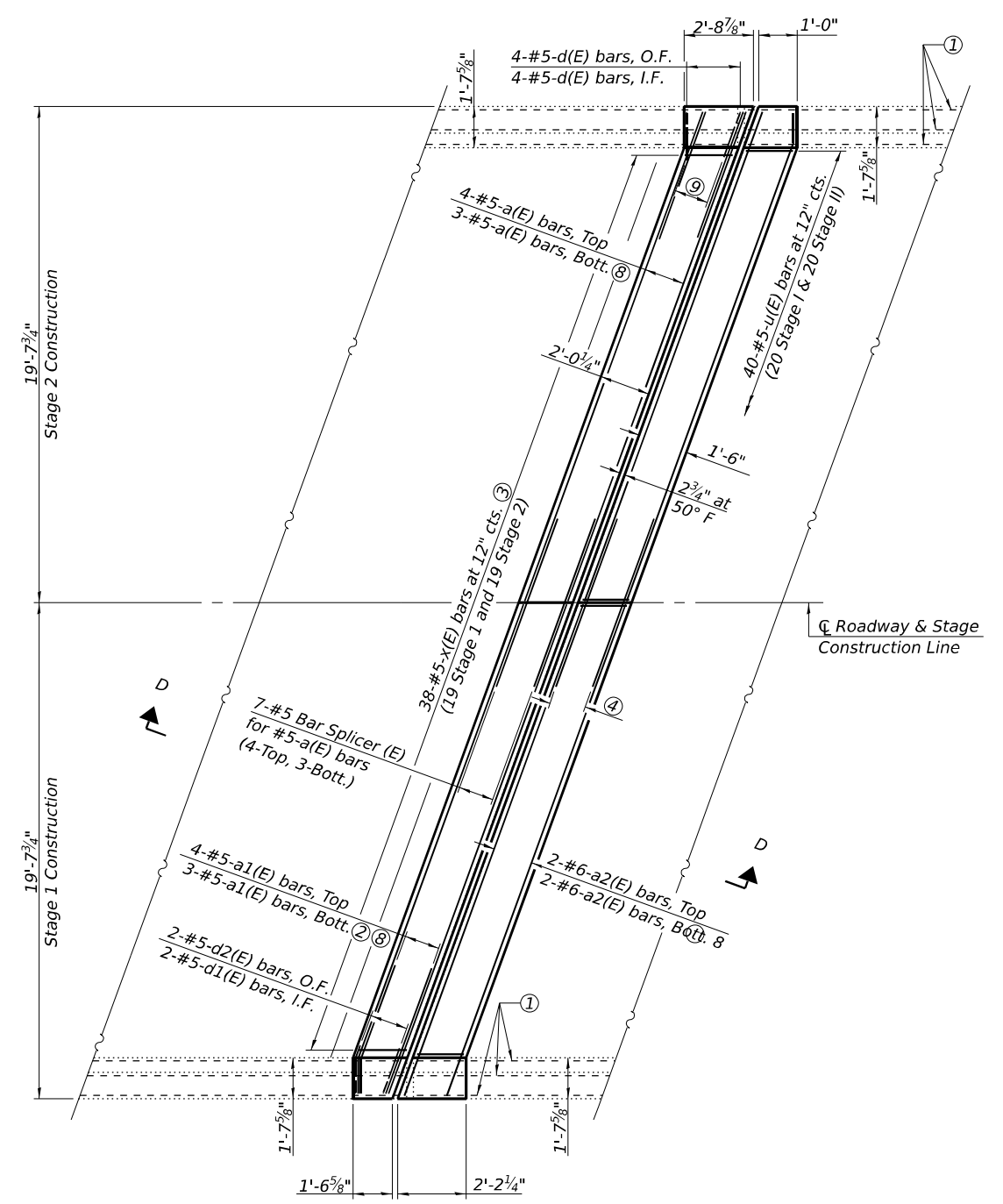
JOINT REMOVAL DETAILS
 STRUCTURE NO. 039-0064

SHEET 6 OF 10 SHEETS

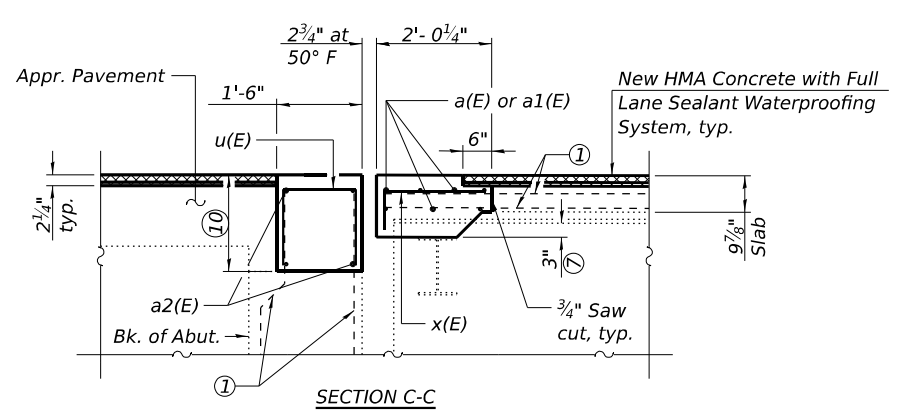
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873	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78B38	



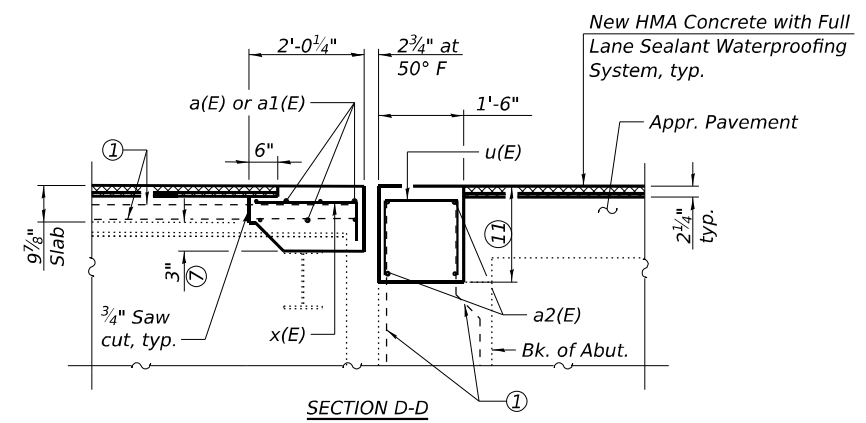
WEST ABUTMENT



EAST ABUTMENT



SECTION C-C



SECTION D-D

- Notes:
- ① Existing reinforcement shall be cleaned, straightened, and incorporated into the new construction. Cost shall be included with Concrete Removal.
 - ② Lap with alternate a(E) bars.
 - ③ Lap with existing longitudinal b(E) bars, top of slab.
 - ④ 4-#6 Bar Splicer (E) for a2(E) (2-Top, 2-Bott.).
 - ⑤ For bar details, Bill of Material and additional details, see sheet 8 of 10.
 - ⑥ For bar splicer details, see sheet 10 of 10.
 - ⑦ At low beam.
 - ⑧ Each Stage.
 - ⑨ 4-#5-d2(E) bars, O.F., 4-#5-d1(E) bars, I.F.
 - ⑩ Dimension varies 1'-6 3/8" to 1'-10 1/2".
 - ⑪ Dimension varies 1'-6 3/8" to 1'-10 1/8".

FILE NAME: H:\P\224140-D9-144-FTB 21-5-2024\140.005-1585-1149 Bridge Repair Plans\BridgEPlan\Plan\039-0064\Microstation\0390064-78B38-007-Subit Replacement Details.dgn
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OATES ASSOCIATES
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

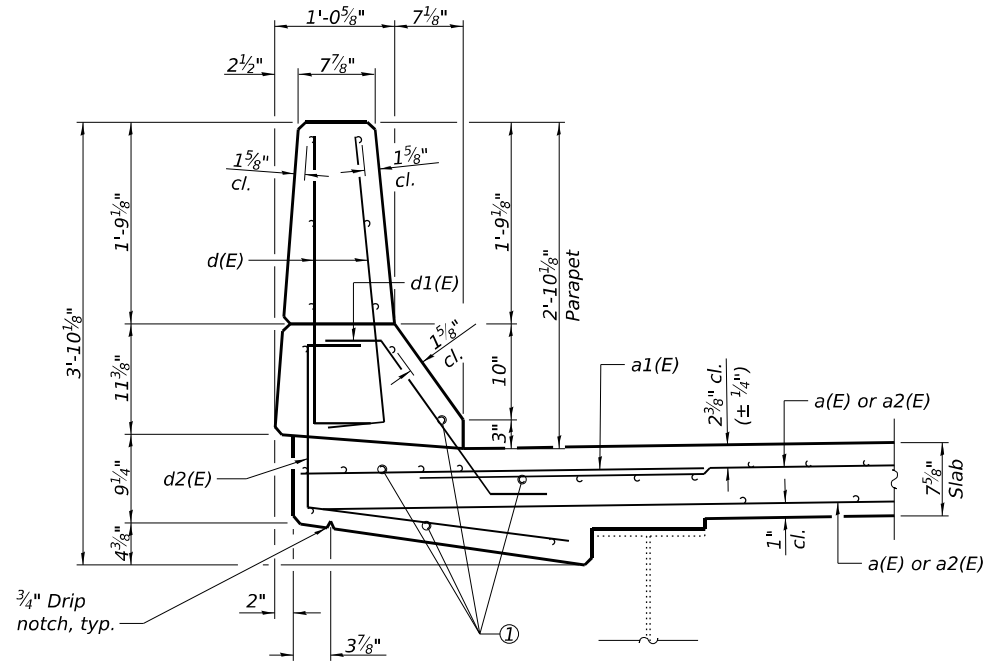
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

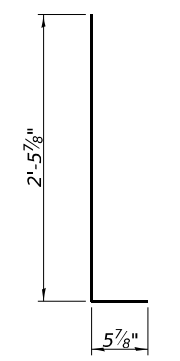
JOINT REPLACEMENT DETAILS
 STRUCTURE NO. 039-0064

SHEET 7 OF 10 SHEETS

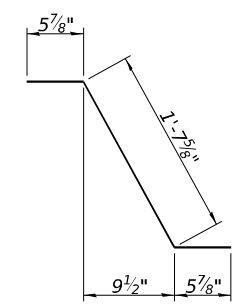
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873	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	43
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



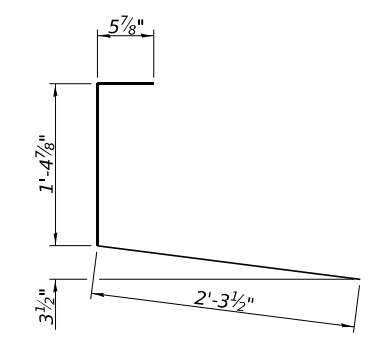
SECTION THRU PARAPET AT JOINT REPLACEMENT
(Showing Bridge Deck)



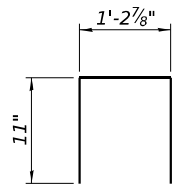
BAR d(E)



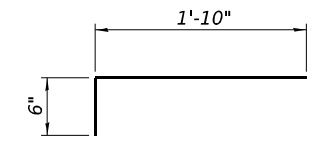
BAR d1(E)



BAR d2(E)



BAR u(E)



BAR x(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	28	#5	20'-7"	—
a1(E)	16	#5	5'-4"	—
a2(E)	16	#6	20'-7"	—
d(E)	24	#5	3'-0"	└
d1(E)	12	#5	2'-7"	└
d2(E)	12	#5	4'-2"	└
u(E)	80	#5	3'-1"	U
x(E)	74	#5	2'-4"	—
Concrete Removal			Cu. Yd.	14.7
Concrete Superstructure			Cu. Yd.	16.8
Reinforcement Bars, Epoxy Coated			Pound	1,780

Notes:

- ① Existing reinforcement shall be cleaned, straightened, and incorporated into the new construction. Cost shall be included with Concrete Removal.

FILE NAME: H:\P\224140-D9-14-FTE 21-502024140.D05 - US51 IL 149 Bridge Repair Plans\B49g\Final Plans\039-0064\Microstation\0380064-78834-0048-Superstructure_Details.dgn

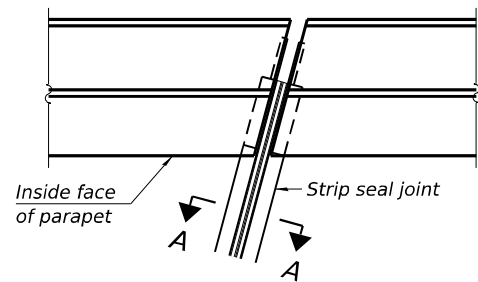


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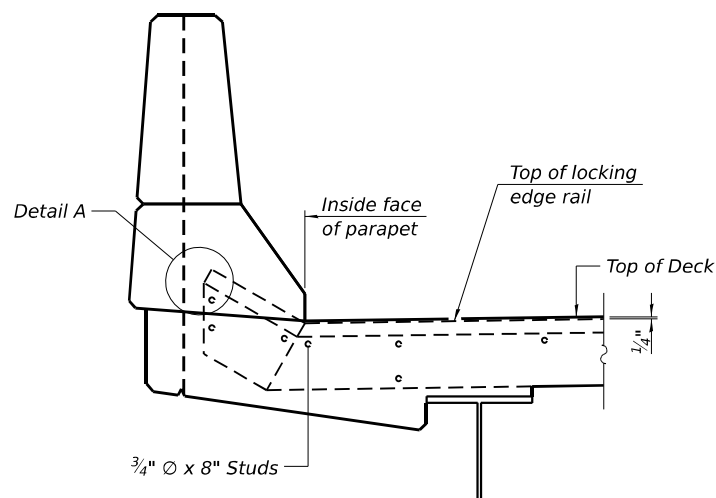
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 039-0064**

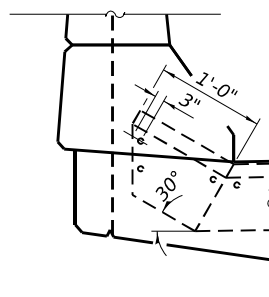
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CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



PLAN AT PARAPET

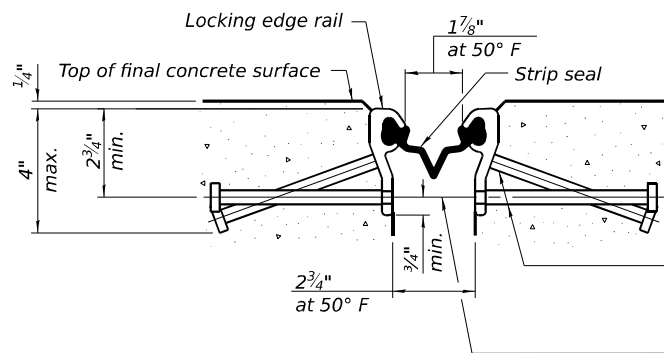


ELEVATION AT PARAPET



DETAIL A

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.
 The manufacturer's recommended installation methods shall be followed.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal. 34" F-shape barrier shown.
 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.



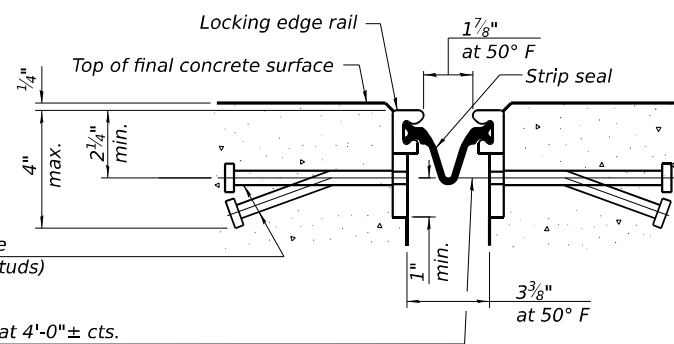
SHOWING ROLLED RAIL JOINT

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

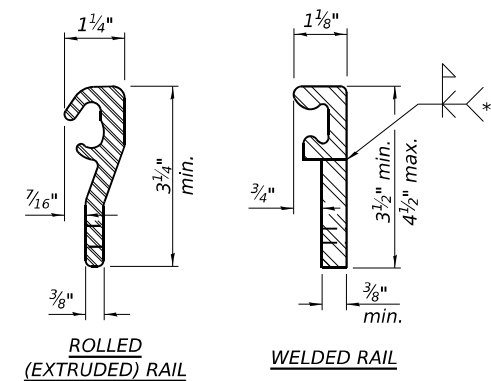
3/8" Ø threaded rods in 7/16" Ø holes at 4'-0" ± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

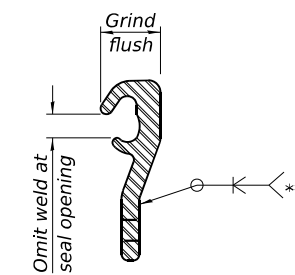


SHOWING WELDED RAIL JOINT



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	81

FILE NAME: H:\P224140-D9-A4-PTB 215-502024140.D05 - ISS51 IL 149 Bridge Repair Plans\BridgFinal Plans\039-0064\Microstation\0390064-78B38-004-Preformed Joint Strip Seal.dgn 12/9/2025 9:39:48 AM



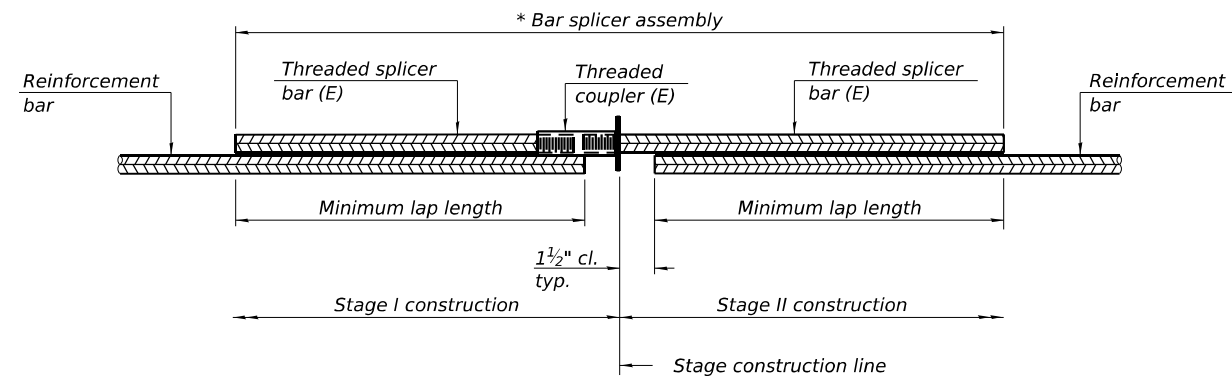
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 039-0064

SHEET 9 OF 10 SHEETS

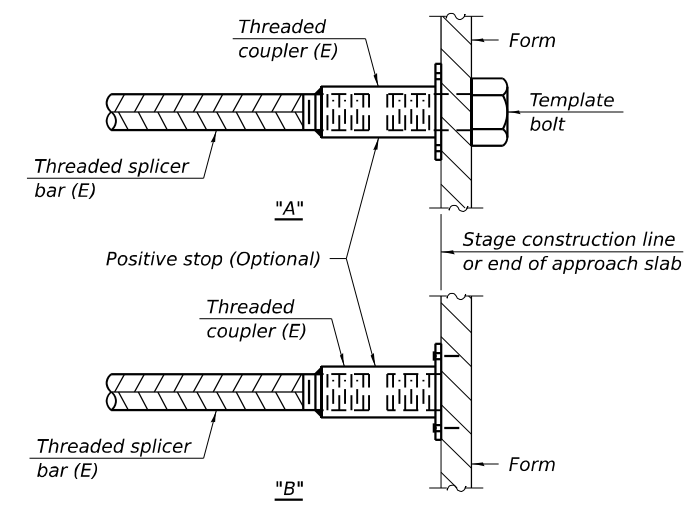
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ILLINOIS			CONTRACT NO. 78B38	
FED. AID PROJECT				



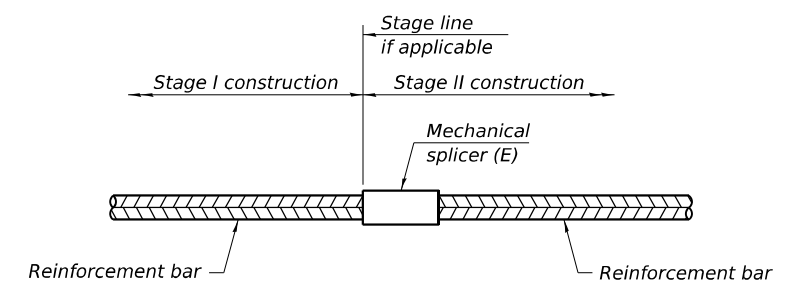
STANDARD BAR SPLICER ASSEMBLY PLAN
 Only bar splicer assemblies as presented on the approved QPL list may be used.

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
Deck	#5	14	3'-6"
Approach Slab	#6	8	4'-10"

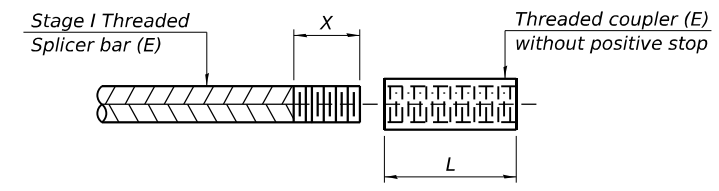


INSTALLATION AND SETTING METHODS
 "A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



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

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME: H:\P22140-D9-14-PTB 21-5-2024\140,005 - US51 IL 149 Bridge Repair Plans\B49g\Final Plans\039-0064\Microstation\0390064-78B38-410-4Bar Splicer Assembly Details.dgn

BSD-1

4-4-2025

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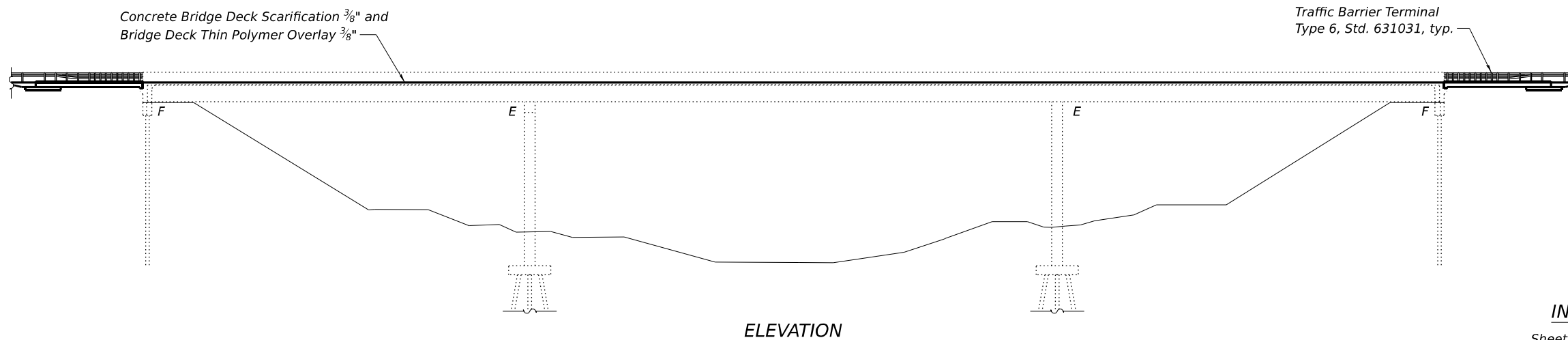
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 039-0064
 SHEET 10 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
873	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	46
CONTRACT NO. 78B38			ILLINOIS FED. AID PROJECT	

SCOPE OF WORK

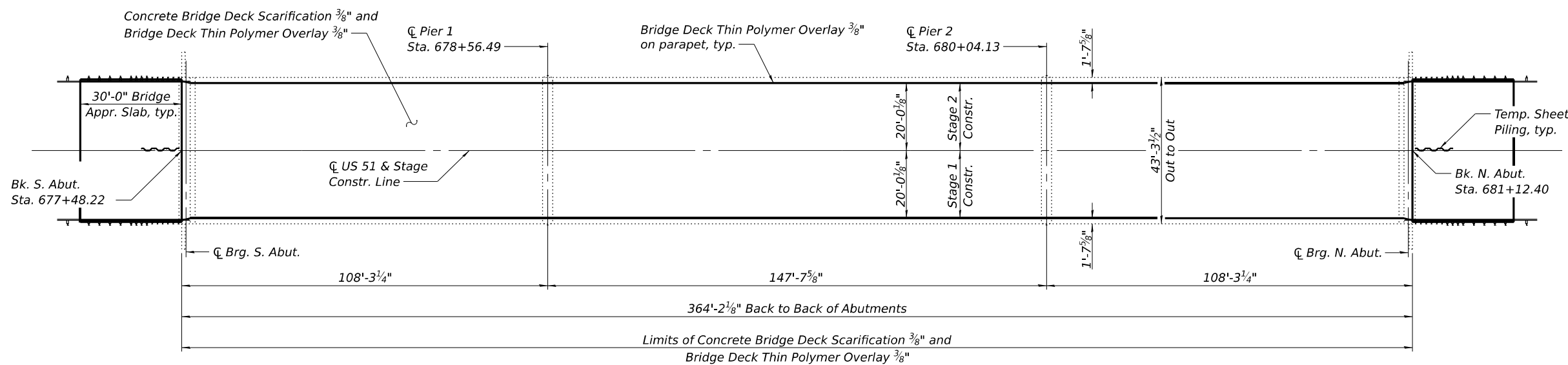
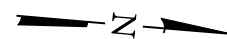
1. Approach slab removal.
2. Abutment repairs as directed by the Engineer.
3. Replace approach slabs.
4. Bridge deck scarification.
5. Thin polymer overlay on bridge deck.



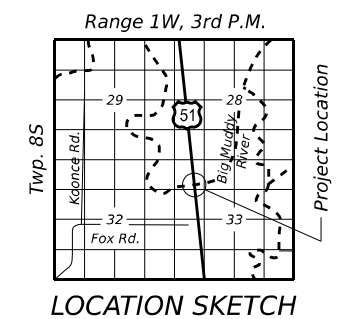
ELEVATION

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	General Data
3	Stage Construction Details
4	Temporary Concrete Barrier for Stage Construction
5-7	Bridge Approach Slab Details
8	Abutment Repairs
9	Bar Splicer Assembly Details



PLAN



LOCATION SKETCH

DANIEL GEORGE LUTZ
 081006772
 STATE OF ILLINOIS
 LICENSED STRUCTURAL ENGINEER

DATE: 1/23/2026
 EXPIRATION: 11/30/2026

GENERAL PLAN & ELEVATION
US 51 OVER BIG MUDDY RIVER
F.A.P. 322 - SEC D9 BRIDGE OVERLAY 2026-4
JACKSON COUNTY
STATION 709+35.77
STRUCTURE NO. 039-0065

FILE NAME: H:\P\222140-D9-44-PTB 215-202024140.DWG - US51 IL 149 Bridge Repair Plans\B49\Final Plans\039-0065-78B38-40-General Plan and Elevation.dgn
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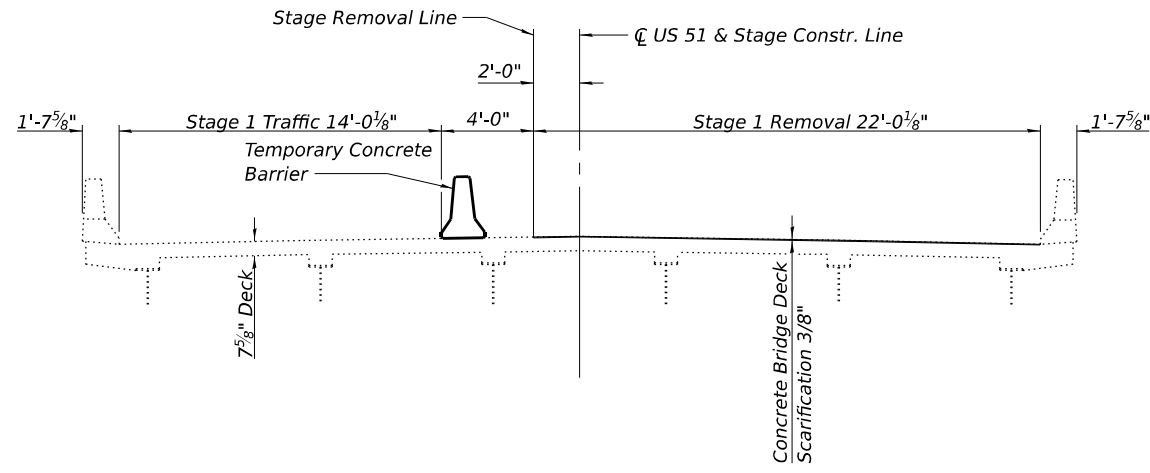
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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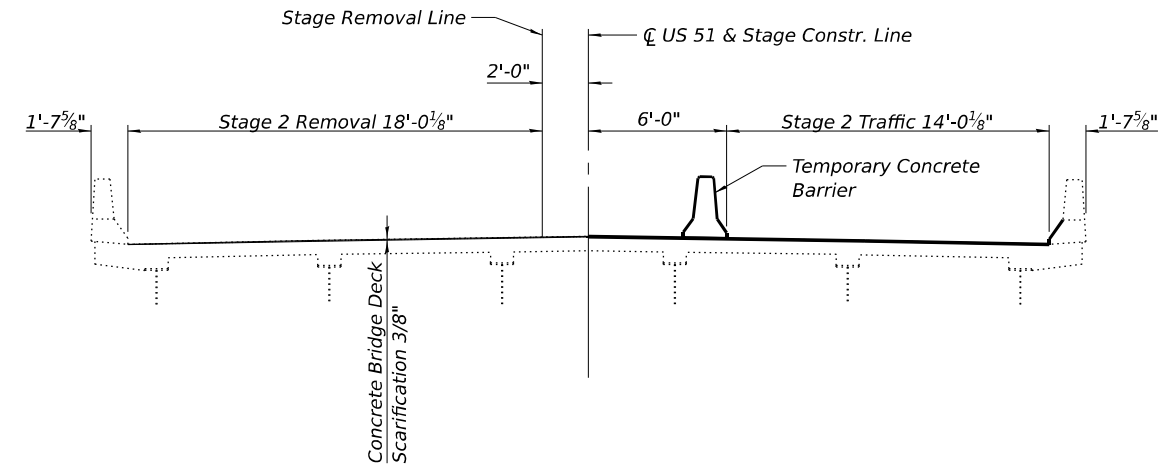
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 039-0065
 SHEET 1 OF 9 SHEETS

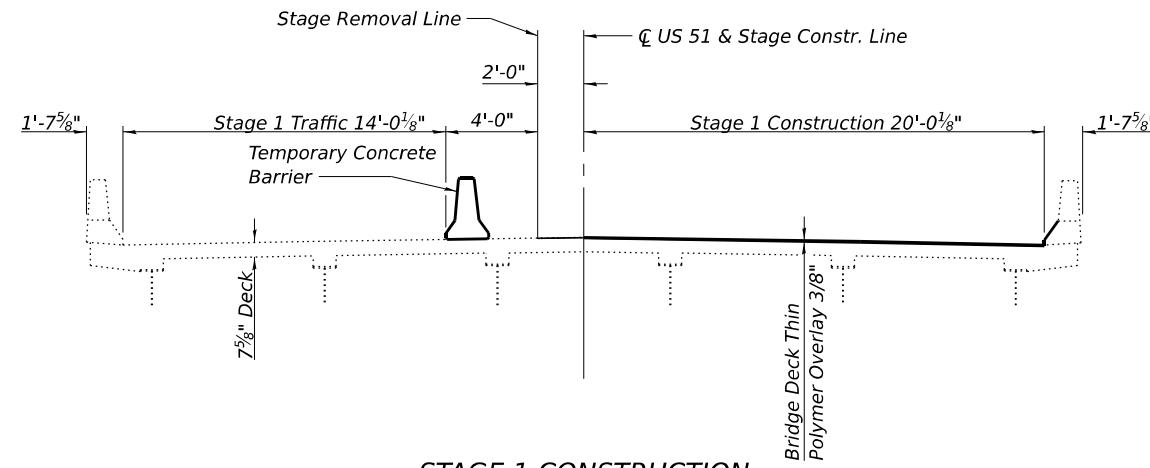
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CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



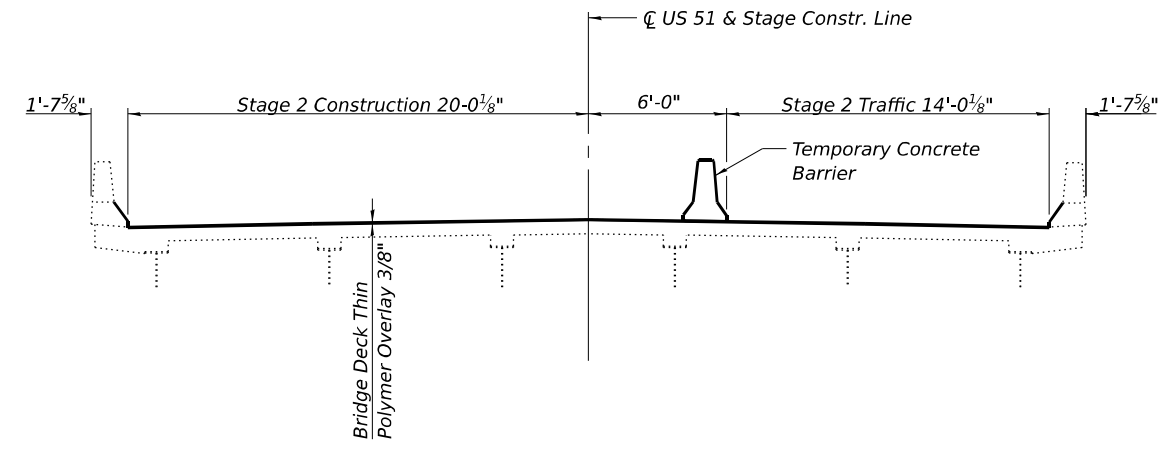
STAGE 1 REMOVAL



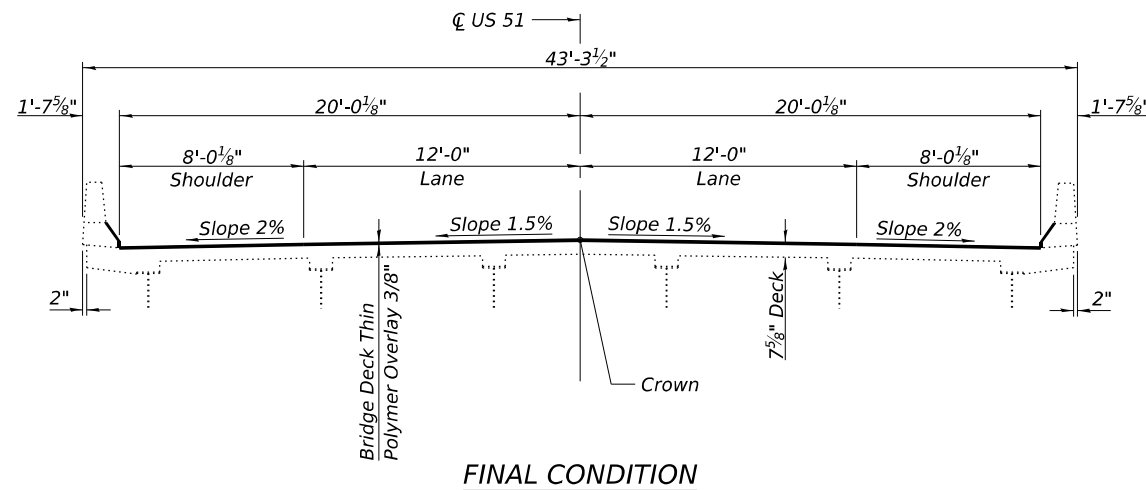
STAGE 2 REMOVAL



STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION



FINAL CONDITION

- Notes:
 ① For details of Temporary Concrete Barrier, see sheet 4 of 9.
 ② All views looking North.

FILE NAME: H:\P\221140-D9-14-FEB 21-5-2024\140.005-US51 IL 149 Bridge Repair Plans\B49\Final Plans\039-0065\Microstation\0390065-78B38-00-Stage Construction Details.dgn



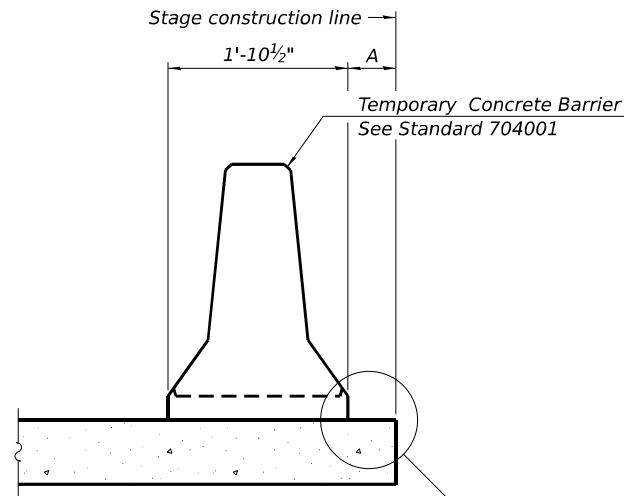
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURAL NO. 039-0065

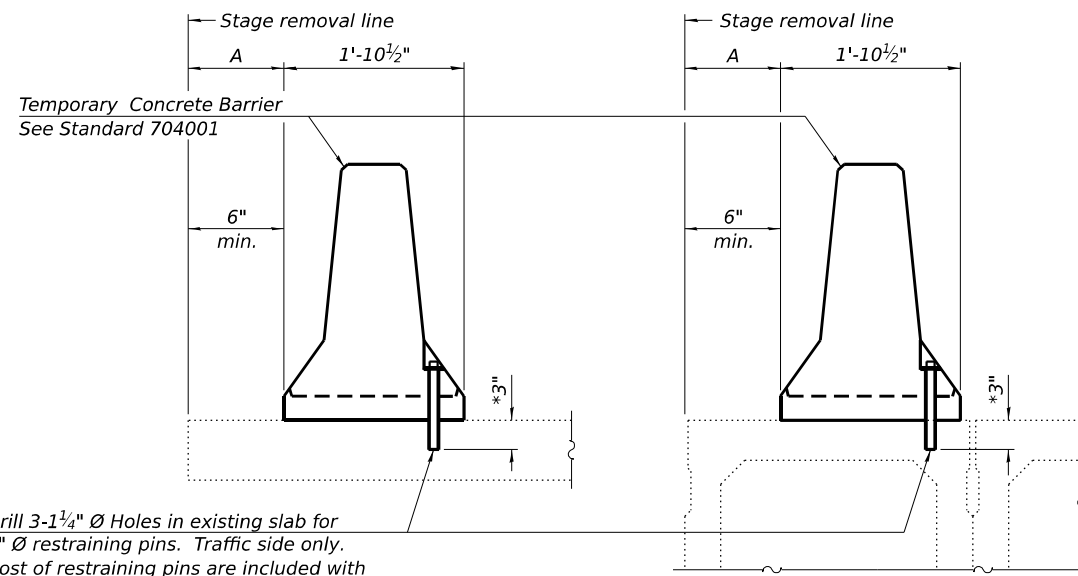
SHEET 3 OF 9 SHEETS

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CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



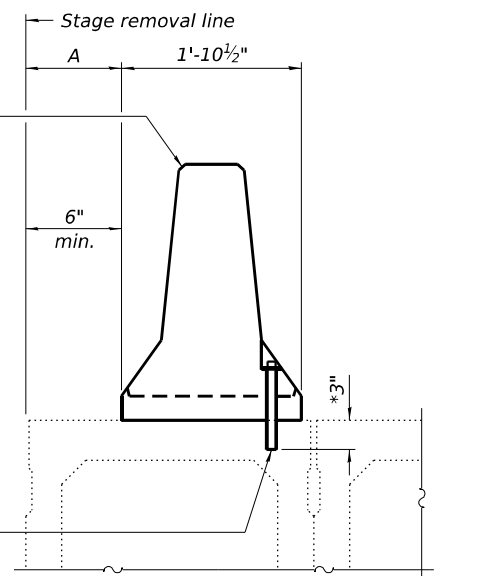
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



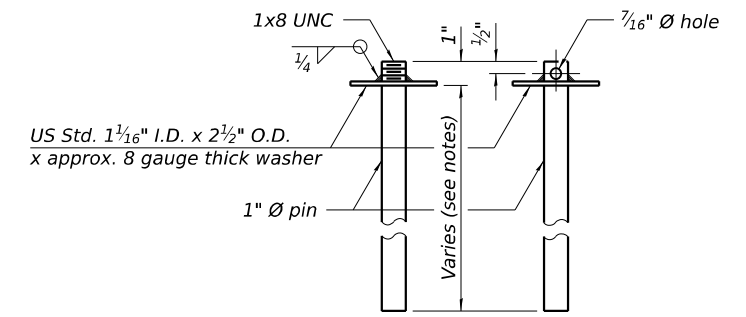
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB



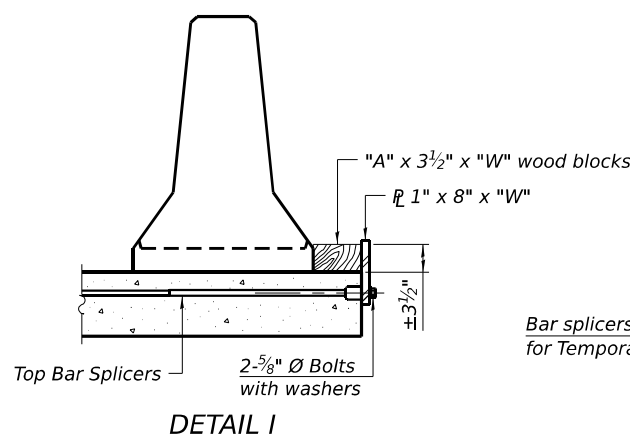
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

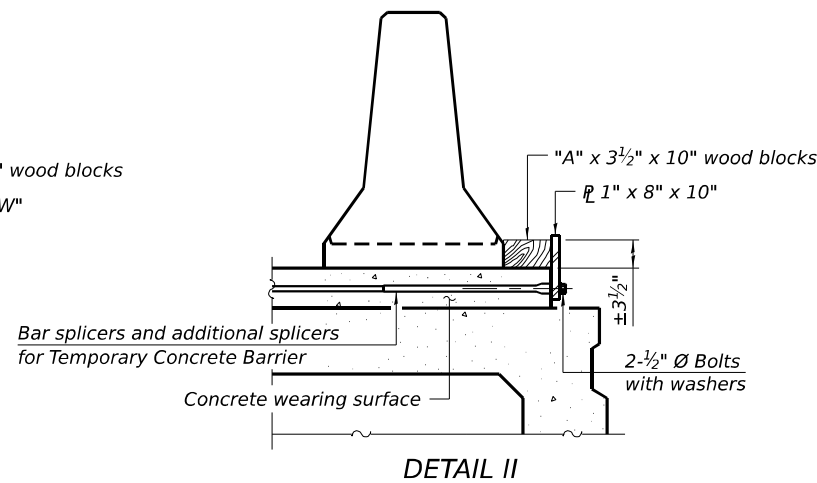


RESTRAINING PIN

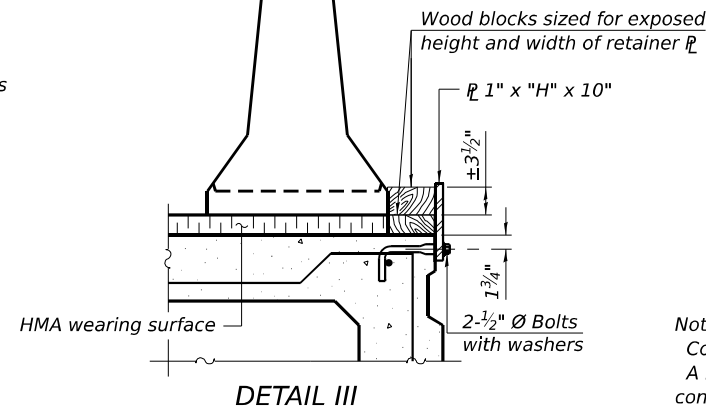
SECTIONS THRU SLAB OR DECK BEAM



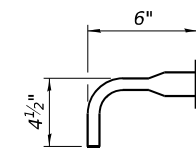
DETAIL I



DETAIL II



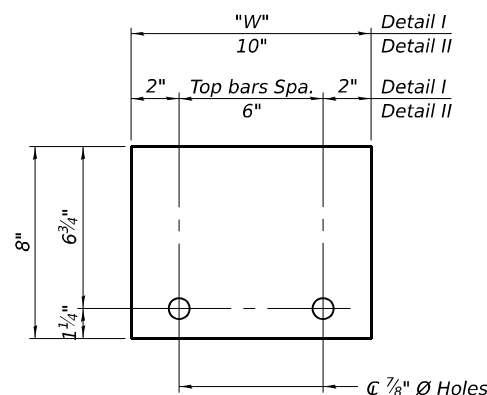
DETAIL III



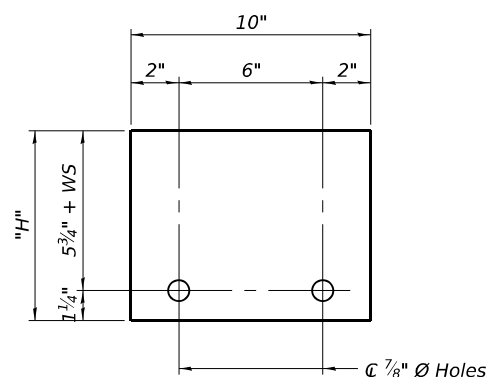
BAR SPLICER FOR #4 BAR - DETAIL III

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.



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



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

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

FILE NAME: H:\P\22140-D9-14\PTL 215-502024\0205 - US51 IL 149 Bridge Repair Plans\B49\Final Plans\039-0065\Microstation\0390065-78B38-01-Temporary Concrete Barrier.dgn 12/9/2025 9:41:08 AM



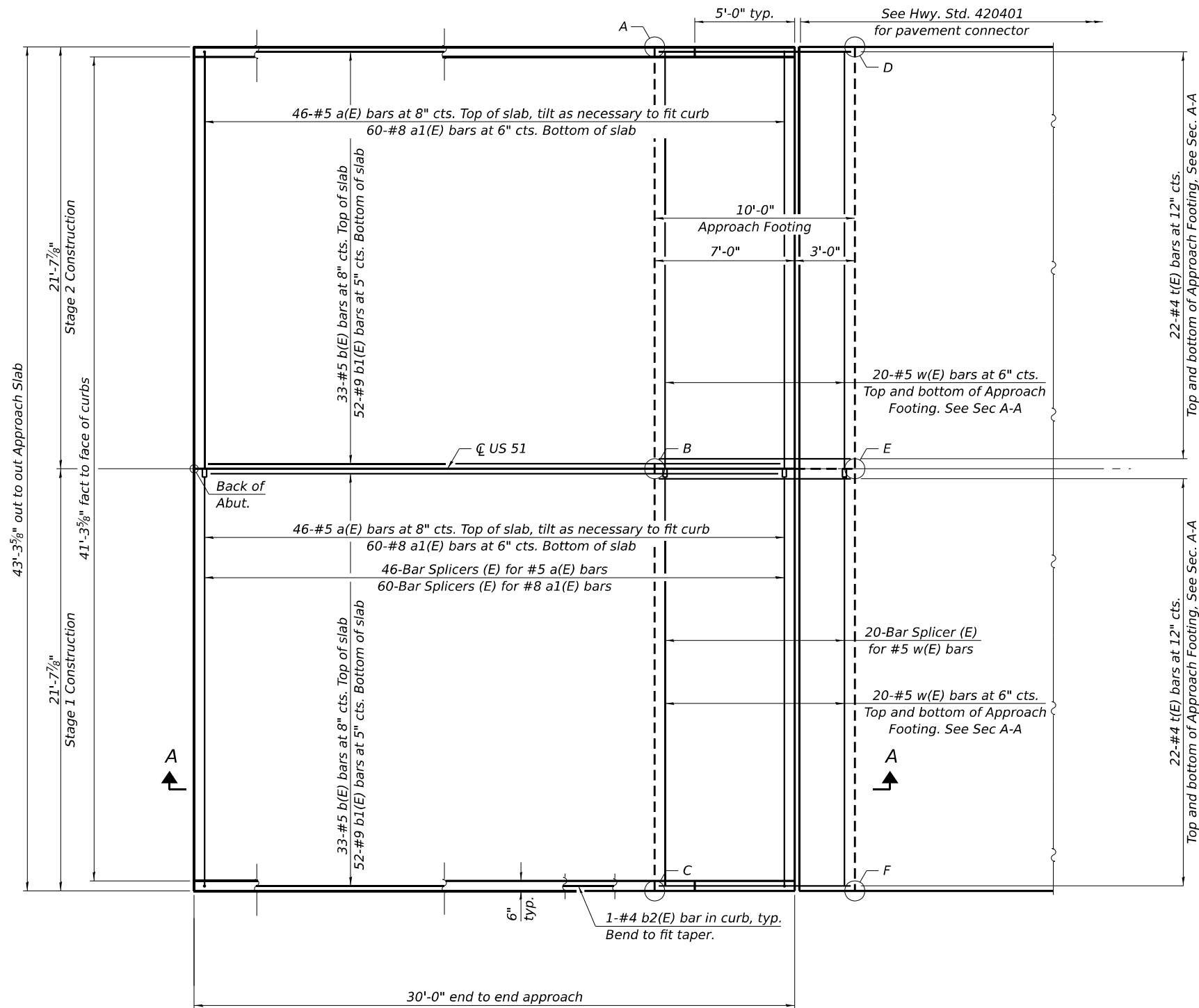
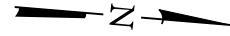
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 039-0065**

SHEET 4 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	50
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				



**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING ②**

Point/ Location	Approach		Point/ Location	Approach	
	Top	Bottom		Top	Bottom
A -			A -		
B -			B -		
C -			C -		
D -			D -		
E -			E -		
F -			F -		

PLAN

(North approach slab shown; South approach slab similar by 180° rotation)

- Notes:
 ① For Section A-A, see sheet 7 of 9.
 ② Contractor to record Approach Footing elevations in field.

BAIA-CIP-39CS-0

4-4-2025

(Sheet 1 of 3)



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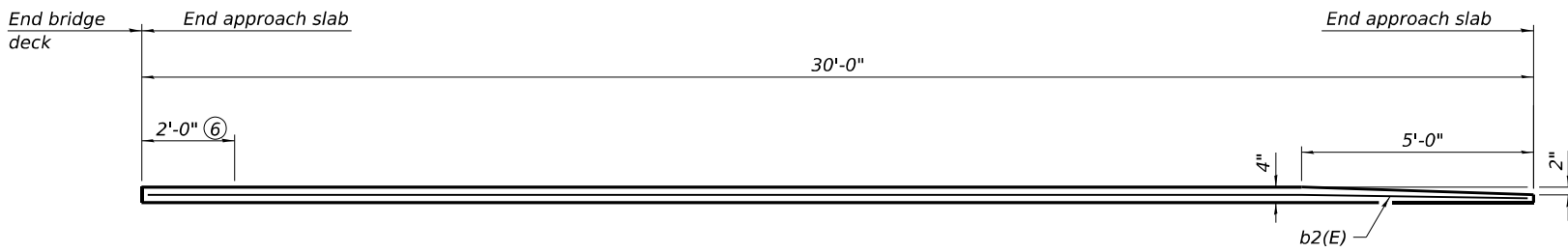
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 039-0065**

SHEET 5 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	51
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

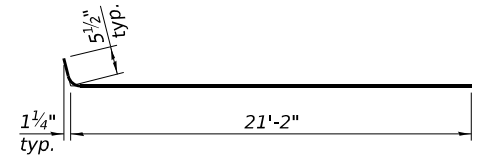
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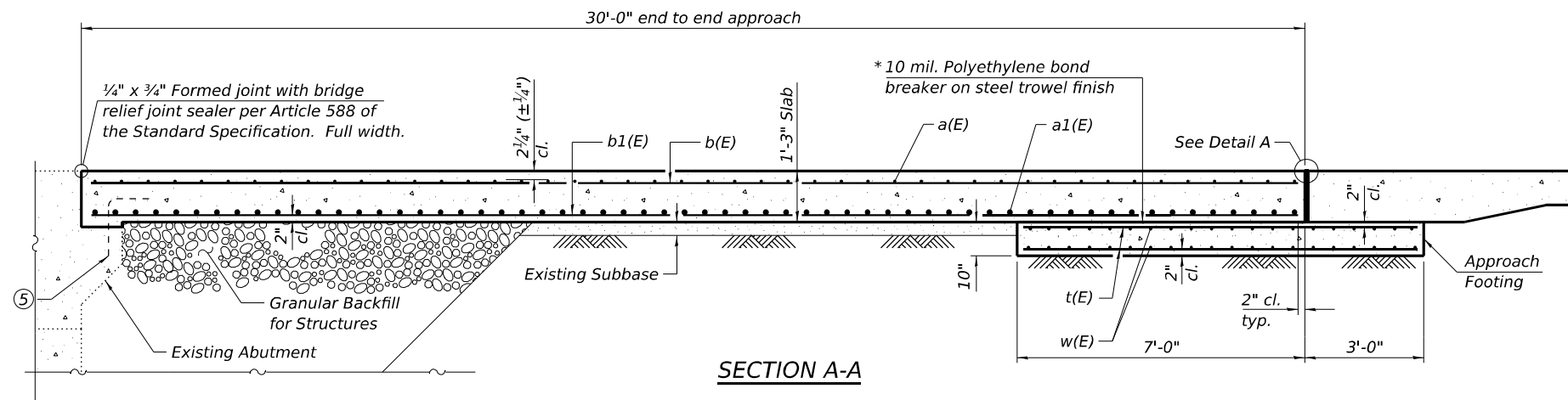
INSIDE ELEVATION OF CURB

Notes:

- ① The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
- ② Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
- ③ Approach footing concrete shall be paid for as Concrete Structures.
- ④ The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
- ⑤ Existing reinforcement shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Superstructure (Approach Slab).
- ⑥ Slope of curb on inside face to be adjusted to match slope of existing barrier at end of bridge deck.
- ⑦ Cost included with Concrete Superstructure (Approach Slab).
- ⑧ Per manufacturer recommendations



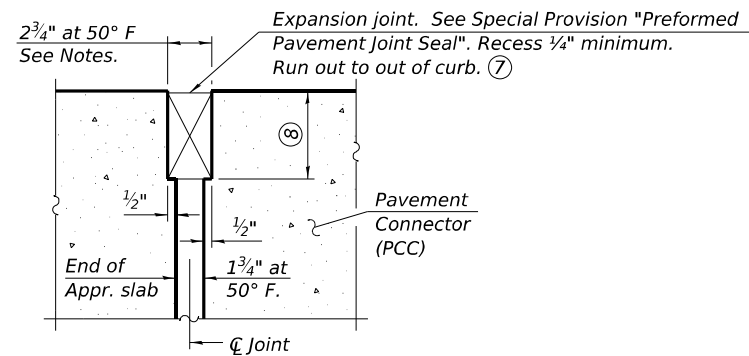
BAR a(E)



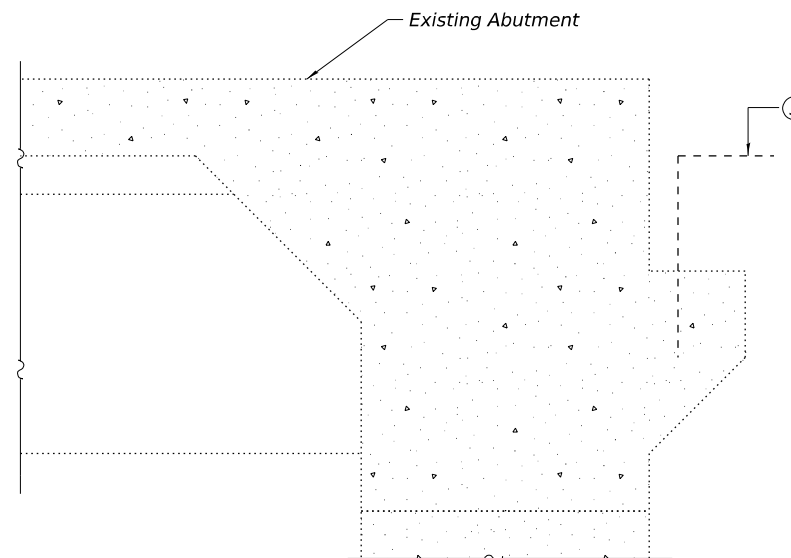
SECTION A-A

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	184	#5	21'-8"	—
a1(E)	240	#8	21'-4"	—
b(E)	132	#5	29'-8"	—
b1(E)	208	#9	29'-8"	—
b2(E)	4	#4	29'-8"	—
t(E)	176	#4	9'-8"	—
w(E)	160	#5	21'-4"	—
Concrete Superstructure (Approach Slab)			Cu. Yd.	121.6
Concrete Structures			Cu. Yd.	26.0
Reinforcement Bars, Epoxy Coated			Pound	47,670



DETAIL A



SECTION THRU ABUTMENT

(Sheet 3 of 3)



A ←

A ←

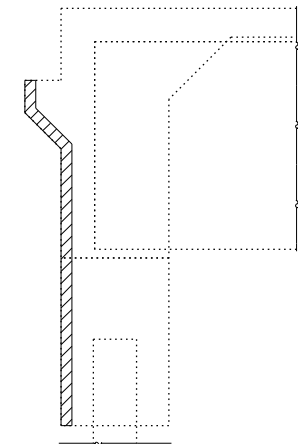
ELEVATION AT BACK OF SOUTH ABUTMENT ① ②

B ←

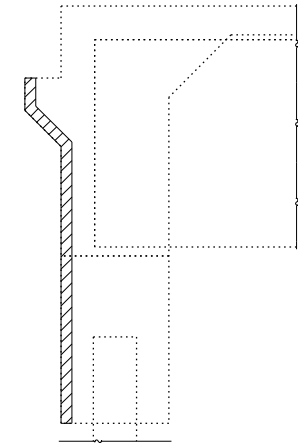


B ←

ELEVATION AT BACK OF NORTH ABUTMENT ① ②



SECTION A-A ① ③



SECTION B-B ① ③

LEGEND



Structural Repair of Concrete (Equal To or Less Than 5 Inches)

BILL OF MATERIAL

Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	742	③
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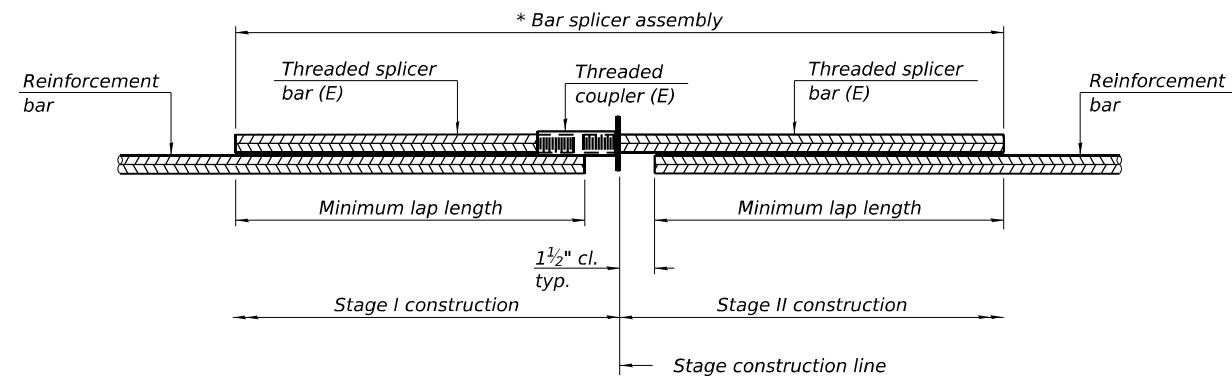
Notes:

- ① The Resident Engineer will determine the final repair locations and quantities in the field after Approach Slab Removal and Structure Excavation are completed.
- ② The engineer shall show actual location of abutment repairs on As-built plans.
- ③ The quantity of Structural Repair of Concrete provided assumes that each abutment will require full-height, full-width repair on the back face of the existing diaphragm and cap.

FILE NAME: H:\P\224140-D9-A4-PTB 215-2024140.D05 - US51 IL 149 Bridge Repair Plans\B49\Final Plans\039-0065\Microstation\0390065-78B38-00-Abutment Repair Details.dgn

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	CHECKED - BB	REVISED -
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PLOT DATE = 12/9/2025	CHECKED - BB	REVISED -

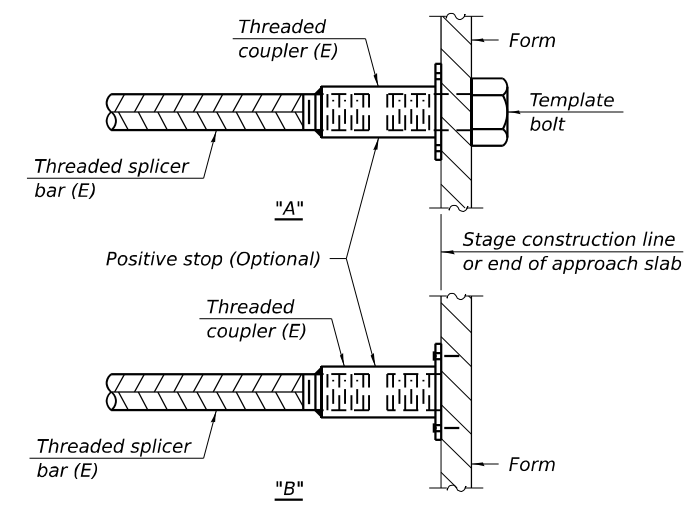
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	54
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78B38	



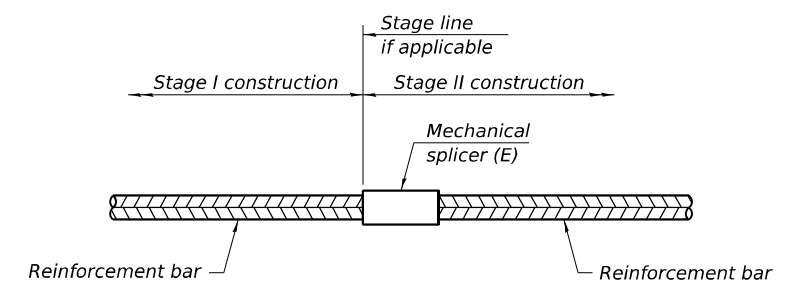
STANDARD BAR SPLICER ASSEMBLY PLAN
 Only bar splicer assemblies as presented on the approved QPL list may be used.

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
Top & Bottom Approach Slab Footing	#5	80	3'-0"
Bottom Approach Slab	#8	120	4'-9"
Top Approach Slab	#5	92	3'-0"

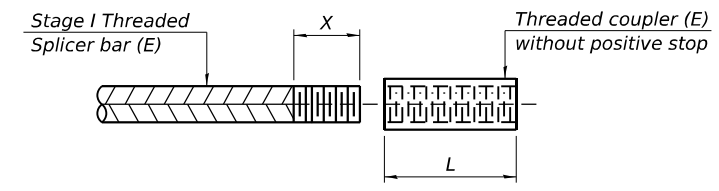


INSTALLATION AND SETTING METHODS
 "A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



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

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME: H:\P\22140-D9-14-PTB 215-50224140.DWG - ISS1 IL 149 Bridge Repair Plans\B49\Final Plans\039-0065\Microstation\0390065-78B38-0045Bar Splicer Details.dgn
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BSD-1

4-4-2025



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	CHECKED - BB	REVISED -
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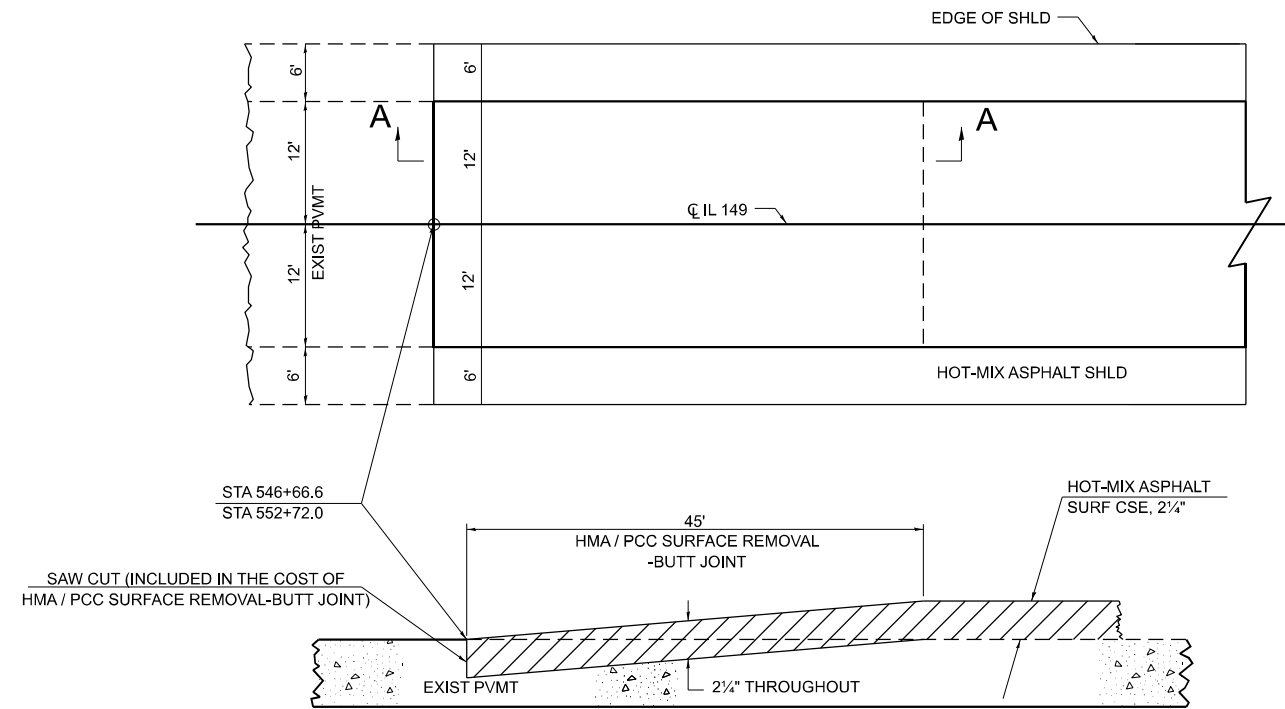
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 039-0065**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	55
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

SHEET 9 OF 9 SHEETS

BUTT JOINT



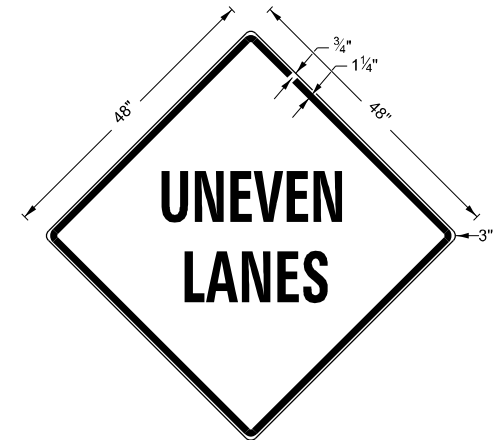
SECTION A-A

DRAWN	03-09-17
REVISED	02-18-20
REVISED	10-21-21
REVISED	05-26-22

STD. 9-14

UNEVEN LANES SIGN

W8-11 (48" X 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

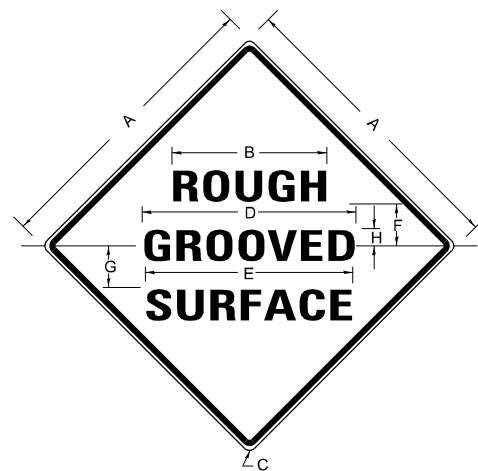
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

DRAWN	02-15-89
REVISED	05-08-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-24

ILLINOIS STANDARD ROUGH GROOVED SURFACE SIGN



COLORS

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

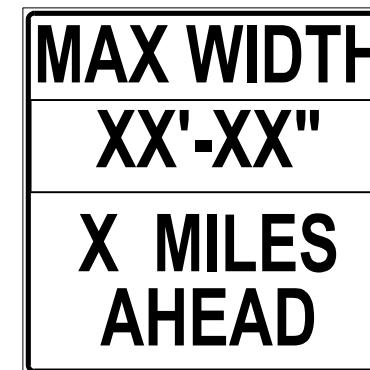
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-23

WIDE LOAD SIGN



W12-I103 (48 X 48)

SERIES D ALPHABET, NO BORDER, BLACK ON WHITE

W12-I103 (48 X 48)

THE CONTRACTOR SHALL FURNISH THE POST AND ERECT THE SIGN AT THE NECESSARY LOCATION AS DIRECTED BY THE ENGINEER. THE SIGN SHALL BE POST MOUNTED.

THE ABOVE NOTED WORK, INCLUDING SIGNS, POSTS, HARDWARE, AND LABOR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE, EACH, FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 AND 701321, AND NO OTHER COMPENSATION WILL BE ALLOWED.

FOR WORK ON ALL STRUCTURES, THE WIDTH SHOWN ON THE W12-I103 SIGN IS LISTED BELOW. THE "X" MILES AHEAD WILL BE DETERMINED BY THE ENGINEER.

MAX WIDTH CHART

- S.N. 039-0063:
STAGE 1: 12'-6" MAX WIDTH
STAGE 2: 12'-6" MAX WIDTH
- S.N. 039-0064:
STAGE 1: 12'-6" MAX WIDTH
STAGE 2: 12'-6" MAX WIDTH
- S.N. 039-0065:
STAGE 1: 12'-6" MAX WIDTH
STAGE 2: 12'-6" MAX WIDTH

MODEL: SHI-DETAIL-1 (Sheet)
FILE NAME: H:\P\224140 - D9 V4\PTB 213-50\224140.005 - JUS51 IL 149 Bridge Repair Plans\CADD\Microstation\CADD Drawings\0978638-shi-details.dgn



USER NAME = rylene.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 12/5/2025		

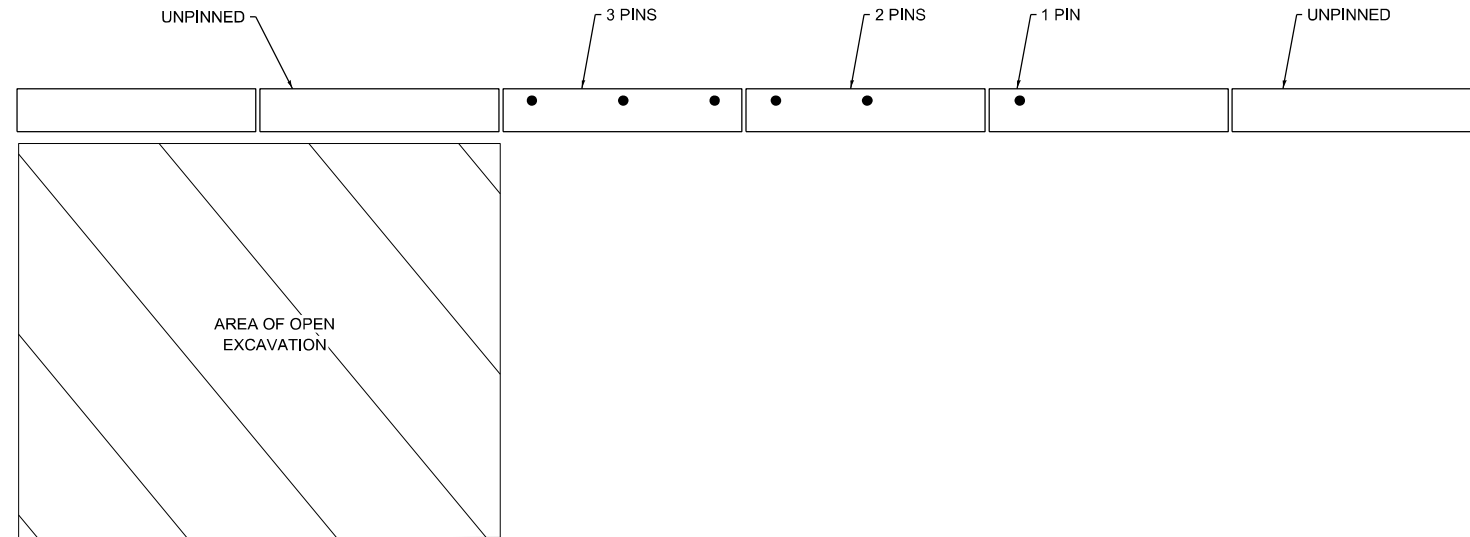
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

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

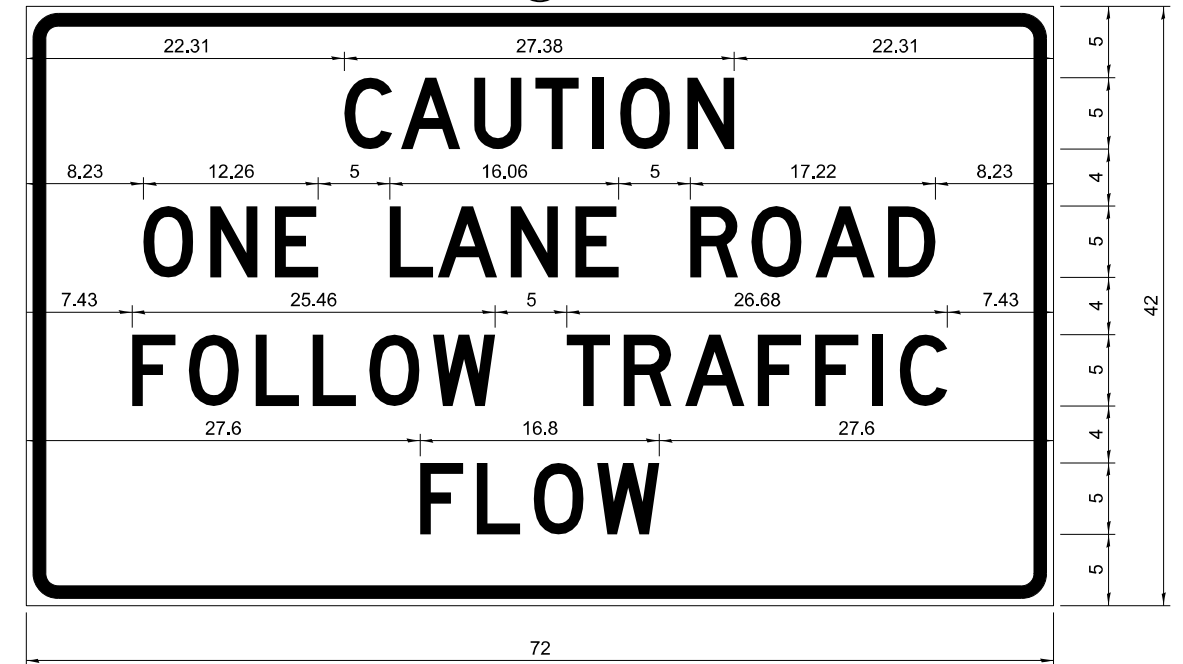
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	56
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				

3, 2, 1 PINNING DETAIL



ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS

2



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
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GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

Sign not to scale

STD, 9-34

DRAWN	3-2-16 D2
REVISED	03-12-24
REVISED	
REVISED	

MODEL: SH-Detail-2 (Sheet)
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	D9 BRIDGE OVERLAY 2026-4	JACKSON	57	57
CONTRACT NO. 78B38				
ILLINOIS FED. AID PROJECT				