

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	1
		ILLINOIS	CONTRACT NO. 74D73	

D-97-042-25



LOCATION OF SECTION INDICATED THUS: - ■ -

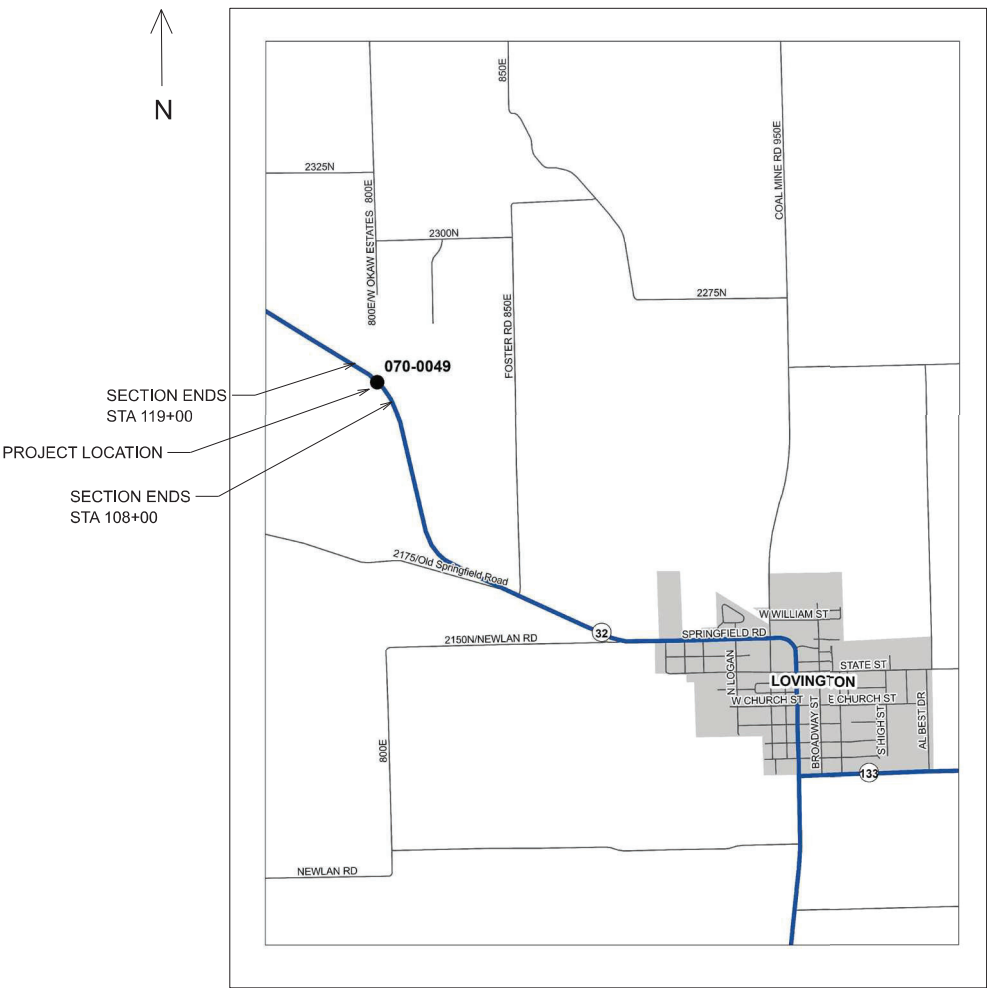
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT 1900 (2025)

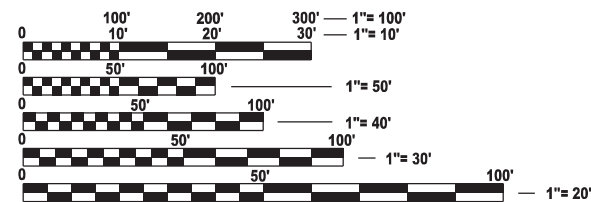
PROPOSED
HIGHWAY PLANS

FAP ROUTE 758 (IL 32)
SECTION D7 BRIDGE REPAIRS 2027-4
PROJECT STP-MHVA(512)
BRIDGE DECK OVERLAY
MOULTRIE COUNTY

C-97-073-25



GROSS LENGTH = 1100.00 FT. = 0.208 MILE
NET LENGTH = 1100.00 FT. = 0.208 MILE



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

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

PROJECT ENGINEER KALEB HIRTZEL
PROJECT MANAGER MARIA BLOEMER
PHONE: (217) 342-8243

CONTRACT NO. 74D73

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 1, 2026
Teresa C. Price
REGIONAL ENGINEER
August 14, 2026
See E. A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT
August 14, 2026
Quarry
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS
3-5	SUMMARY OF QUANTITIES
6-8	TYPICAL SECTIONS
9-11	SCHEDULES OF QUANTITIES
12	GUARDRAIL PLAN SHEET
13	STAGING PLANS - STAGE 1 CONSTRUCTION TRAFFIC CONTROL DETAILS
14	STAGING PLANS - STAGE 2 CONSTRUCTION TRAFFIC CONTROL DETAILS
15	HMA CONNECTOR DETAIL SHEET
16	PAVING TRANSITION DETAIL SHEET
17-20	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)
21-36	STRUCTURE SHEETS

GENERAL NOTES

PAVEMENT MARKING TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON HMA SURFACE COURSE. PAINT PAVEMENT MARKINGS SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON MILLED SURFACES.

THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING PLAN QUANTITIES AND HAVE BEEN INCLUDED FOR REFERENCE:

APPLICATION RATES

AGGREGATE WEDGE SHOULDER:	2.05 TON/CU YD
AGGREGATE SURFACE COURSE:	2.05 TON/CU YD
HOT-MIX ASPHALT SURFACE COURSE:	112 LB/SQ YD/INCH

THE FOLLOWING HIGHWAY STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET IN THE PLANS.

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2I, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS - DAY ONLY
701306-04	LANE CLSOURS, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
667101-02	PERMANENT SURVEY MARKERS

COMMITMENTS:

1. USGS STREAM GAUGE (NO. 05591700) ALONG WITH PIPING ATTACHED TO THE LEFT SIDE OF THE BRIDGE. APPROXIMATE LOCATION IS AT STA 110+73 25.0 FEET OFFSET TO THE LEFT. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO ENSURE THAT THE USGS STREAM GAUGE (NO. 05591700) ATTACHED TO THE STRUCTURE AND ASSOCIATED EQUIPMENT ~~SHALL NOT BE DISTURBED~~. NO WORK IS NEEDED TO BE COMPLETED THAT WILL NEED TO DISTURB THIS MONITORING SYSTEM.

CONTACT FOR USGS STREAM GAUGE: ROSS FARRELL
U.S. ARMY CORPS OF ENGINEERS
PHONE: (314)331-8339
EMAIL: Ross.M.Farrell@usace.army.mil

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	SBS PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA	3000	N/A
HMA SHOULDERS	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	SBS PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA	3000	N/A
HMA PAVEMENT CONNECTOR	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	SBS PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA	3000	N/A
HMA PAVEMENT CONNECTOR	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (BOTTOM LIFTS)	SBS PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QCQA	3000	N/A
HMA BASE COURSE, 10"	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	SBS PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QCQA	3000	N/A

REV - MS

MODEL: 74D73 [Sheet]
FILE NAME: c:\pwworking\illinois\1129767\74D73-sheets-GeneralNotes.dgn

	USER NAME = Maria.Bloemer	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	2
		CHECKED -	REVISED -					CONTRACT NO. 74D73				
	PLOT DATE = 4/30/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: 74D73 [Sheet]
FILE NAME: c:\p\work\lowdothille\ad1129767\ID74D73-sheets-S00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BRIDGE
				0059
				S.N. 070-0049
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	603	603
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	4	4
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1275	1275
40600370	LONGITUDINAL JOINT SEALANT	FOOT	728	728
40600990	TEMPORARY RAMP	SQ YD	103	103
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	204	204
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	159	159
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2433	2433
44004250	PAVED SHOULDER REMOVAL	SQ YD	603	603
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	32	32
48203100	HOT-MIX ASPHALT SHOULDERS	TON	70	70
50102400	CONCRETE REMOVAL	CU YD	16.7	16.7
50300225	CONCRETE STRUCTURES	CU YD	26.6	26.6
50300255	CONCRETE SUPERSTRUCTURE	CU YD	18.4	18.4

*SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BRIDGE
				0059
				S.N. 070-0049
50300300	PROTECTIVE COAT	SQ YD	1206	1206
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	100.3	100.3
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	41450	41450
50800515	BAR SPLICERS	EACH	369	369
52000110	PREFORMED JOINT STRIP SEAL	FOOT	79	79
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	18	18
53016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	12	12
53101002	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	917	917
53101209	BRIDGE DECK FLY ASH OR GGBF CONCRETE OVERLAY, 2 1/2"	SQ YD	917	917
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	887.5	887.5
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2

*SPECIALTY ITEM

REV - MS

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	3
		CHECKED -	REVISED -		CONTRACT NO. 74D73								
					ILLINOIS FED. AID PROJECT								
	PLOT DATE = 6/2/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF 3	SHEETS	STA.	TO STA.			

MODEL: 74D74 [Sheet]
FILE NAME: c:\p\work\lowdothille\ad1129767\ID74D73-sheets-SOO.dgn

				CONSTR. CODE
				80% FED 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0059
				S.N. 070-0049
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1
63200310	GUARDRAIL REMOVAL	FOOT	1230	1230
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	1880	1880
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	219	219
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1409	1409
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	4085	4085

*SPECIALTY ITEM

				CONSTR. CODE
				80% FED 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0059
				S.N. 070-0049
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	1656	1656
70400100	TEMPORARY CONCRETE BARRIER	FOOT	675	675
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	60	60
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	650	650
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4085	4085
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	20	20
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	18	18
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12	12
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1362	1362
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	401	401
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	875	875

*SPECIALTY ITEM

REV - MS

	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	= Maria.Bloemer	-	-					758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	4
		CHECKED	REVISED		CONTRACT NO. 74D73							
	PLOT DATE	DATE	REVISED		SCALE:	SHEET 2	OF 3	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

MODEL: 74D75 [Sheet]
FILE NAME: c:\p\work\owid\hillead1129767\74D73-sheets-SOO.dgn

				CONSTR. CODE
				80% FED 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0059
				S.N. 070-0049
X5230172	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	1	1
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	37.5	37.5
Z0004552	APPROACH SLAB REMOVAL	SQ YD	406	406
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1030	1030
Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	2	2

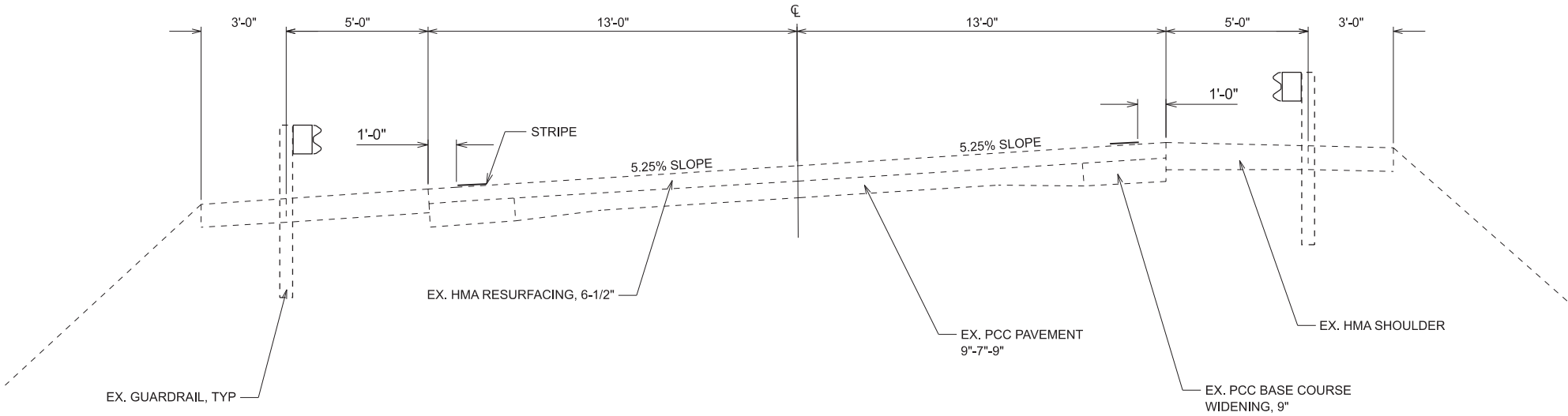
*SPECIALTY ITEM

REV - MS

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	5
		CHECKED -	REVISED -					CONTRACT NO. 74D73				
	PLOT DATE = 6/2/2026	DATE -	REVISED -		SCALE:	SHEET 3	OF 3	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

EXISTING TYPICAL CROSS SECTION

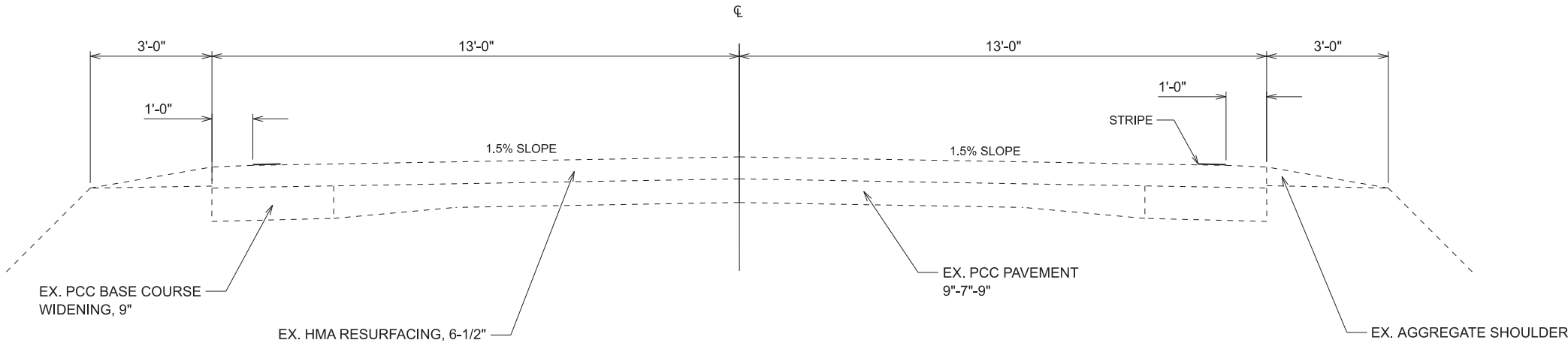
STATION 108+00 TO STATION 111+26
STATION 111+26 TO STATION 113+97 (BRIDGE OMISSION)
STATION 113+97 TO STATION 118+29



LOOKING WEST

EXISTING TYPICAL CROSS SECTION

STATION 118+29 TO STATION 119+00



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

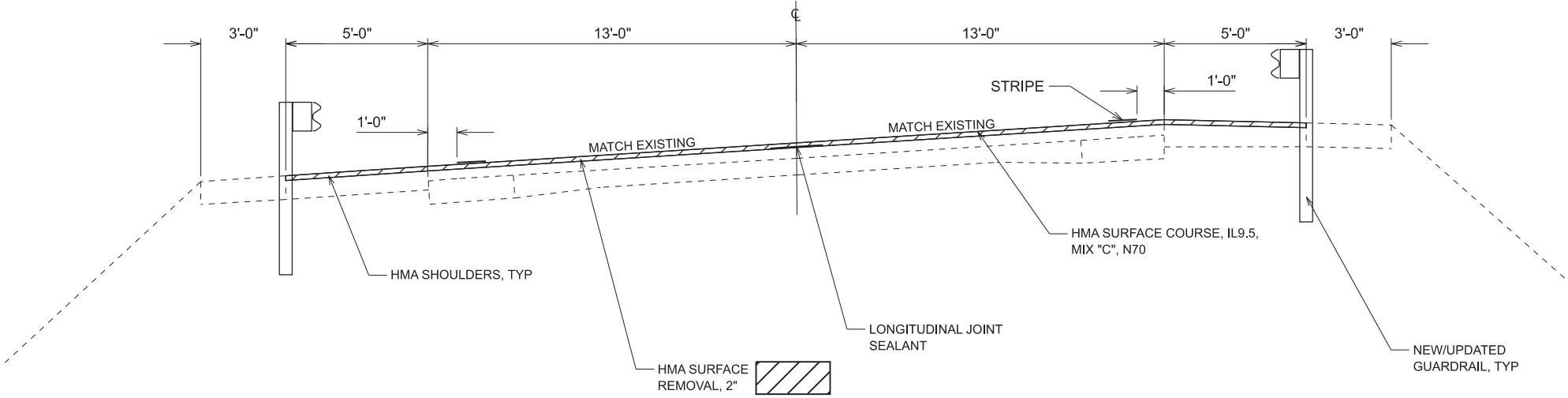
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	6
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

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

LT
STA 108+00 TO STA 108+60 ②
② STA 117+45 TO STA 118+29 ③

① PROPOSED TYPICAL CROSS SECTION
STATION 111+26 TO STATION 113+97 (BRIDGE OMISSION)

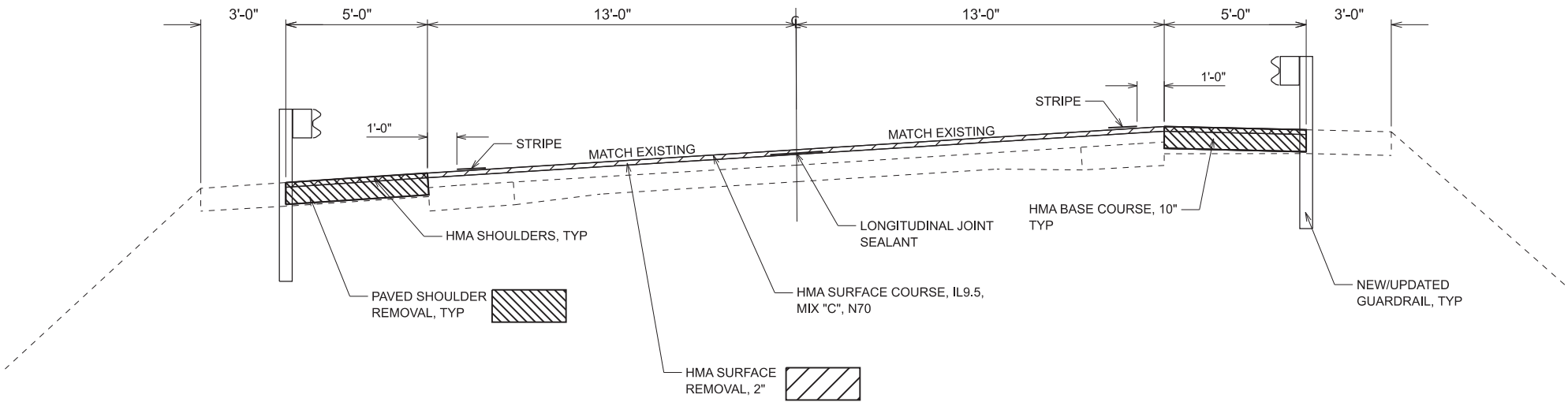
RT
STA 108+00 TO STA 109+15 ②
② STA 117+80 TO STA 118+29 ③



LT
① STA 108+60 TO STA 110+73.75
STA 114+45.50 TO STA 117+45 ①

② PROPOSED TYPICAL CROSS SECTION
STA 110+73.75 TO STA 114+45.50 (STRUCTURE)

RT
① STA 109+15 TO STA 110+73.75 *
* STA 114+45.50 TO STA 117+80 ①



* PAVED SHOULDER REMOVAL / HMA BASE COURSE, 10" CONSTRUCTED ON THE RT SIDE PRIOR TO IMPLEMENTING STAGE 1 TRAFFIC CONTROL EXTENDS FROM STA 110+73.75 TO STA 111+25 AND FROM STA 114+18 TO STA 114+45.50.

MODEL: Typical=1 [Sheet]
FILE NAME: c:\pw_work\pwt\it\ile\ad1129767\D74D73-sheets-Typicals.dgn

USER NAME = Maria.Bloemer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/30/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	7
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

MODEL: 74D73 [Sheet]
FILE NAME: c:\pw_work\pwwork\hille\ad1129767\D74D73-sheets-Schedules.dgn

STAGING TRAFFIC CONTROL		TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	PINNING TEMPORARY CONCRETE BARRIER
STATIONING		70400100	70400200	70600250	70600350	70400125
FROM	TO	FEET	FEET	EACH	EACH	EACH
STAGE 1						
109+38.	110+13.5	75	----	1	----	0
110+13.5	110+38.75	25	----	0	----	0
110+38.75	114+80.	437.5	----	0	----	30
114+80.	115+04.	25	----	0	----	0
115+04.	116+18.5	112.5	----	1	----	0
STAGE 1 TOTALS:		675	0	2	0	30
STAGE 2						
109+13.	110+14.	----	100	----	1	0
110+14.	110+39.	----	25	----	0	0
110+39.	114+82.	----	437.5	----	0	30
114+82.	115+07.	----	25	----	0	0
115+07.	115+70.	----	62.5	----	1	0
STAGE 2 TOTALS:		0	650	0	2	30
TOTALS		675	650	2	2	60

RUMBLE STRIP SCHEDULE	TEMPORARY RUMBLE STRIPS
	70106700
STATION	EACH
101+10.	1
96+10.	1
91+10.	1
126+00.	1
131+00.	1
136+00.	1
TOTAL	6

FRAMES AND GRATES SCHEDULE					FRAMES AND GRATES TO BE ADJUSTED
STATION	SIDE	OFFSET FEET	GRATE TYPE	SIZE FTXFT	60300105 EACH
114+32.	LT	16.5	DOUBLE	4 X 2	1
TOTAL					1

GUARDRAIL REMOVAL			GUARDRAIL REMOVAL
STATIONING		SIDE	63200310 FOOT
FROM	TO		
108+28.5	111+01.	SW - LT	267.5
114+02.	118+25.	NW - LT	416.0
108+66.5	111+24.	SE - RT	279.5
114+16.	116+83.	NE - RT	266.5
TOTAL			1230

GUARDRAIL SCHEDULE			STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
STATIONING		SIDE	63000001	63100085	63100045	63100167	63100169	X6330725	72501000	78200005
FROM	TO		FEET	EACH	EACH	EACH	EACH	FOOT	EACH	EACH
114+40.	117+86.	LT - NW	325	----	----	----	----	----	----	----
114+55.	116+55.	RT - NE	187.5	----	----	----	----	----	----	----
108+89.	110+64.	LT - SW	175	----	----	----	----	----	----	----
108+89.	110+88.	RT - SE	200	----	----	----	----	----	----	----
108+67.	108+85.	RT	----	----	----	----	----	37.5	----	----
NORTHEAST CORNER		RT	----	1	0	1	0	----	1	4
NORTHWEST CORNER		LT	----	1	0	0	1	----	1	6
SOUTHEAST CORNER		RT	----	1	1	0	0	----	0	4
SOUTHWEST CORNER		LT	----	1	0	1	0	----	1	4
		TOTALS	887.5	4	1	2	1	37.5	3	18

BLACKOUT TAPE SCHEDULE		PAVEMENT MARKING BLACKOUT TAPE, 5"		DESCRIPTION	LINE TYPE
STATIONING		LENGTH	70107005		
FROM	TO		PAY LENGTH		
108+10.	109+10.	100.00	200.00	STAGE 1 - CL	DNPZ
117+30.	119+00.	170.00	170.00	STAGE 1 - CL	NPZ + SKIPS (LEAVE SKIPS)
109+38.	111+35.	197.00	197.00	STAGE 1 - RT EL	EDGELINE
114+04.	117+56.	352.00	352.00	STAGE 1 - RT EL	EDGELINE
108+10.	109+10.	100.00	200.00	STAGE 2 - CL	DNPZ
108+88.	111+18.	230.00	230.00	STAGE 2 - LT EL	EDGELINE
113+92.	117+23.	331.00	331.00	STAGE 2 - LT EL	EDGELINE
117+00.	119+00.	200.00	200.00	STAGE 2 - CL	NPZ + SKIPS (LEAVE SKIPS)
TOTAL			1880		

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	9
		CHECKED -	REVISED -		CONTRACT NO. 74D73							
	PLOT DATE = 6/2/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: 74D75 [Sheet]
FILE NAME: c:\pwwork\pwwork\hille\ad1129767\D74D73-sheets-Schedules.dgn

PAVEMENT MARKING SCHEDULE			PAINT PAVEMENT MARKING - LINE 4"		TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT (WINTER SHUTDOWN)		PAVEMENT MARKING REMOVAL - WATER BLASTING
			78001110		70300221		78300202
STATIONING		LENGTH	WHITE EL	YELLOW CL	WHITE EL	YELLOW CL	SQ FT
FROM	TO	FEET	FEET	FEET	FEET	FEET	
108+00.	110+46.	246.0	492.0	492.0	492.0	492.0	328.0
110+46.	110+96.23	50.2	100.5	100.5	100.5	100.5	67.0
110+96.23	111+26.23	30.0	60.0	60.0	60.0	60.0	40.0
111+26.23	113+97.28	271.1	542.1	542.1	542.1	542.1	361.4
113+97.28	114+27.28	30.0	60.0	60.0	60.0	60.0	40.0
114+27.28	114+78.	50.7	101.4	101.4	101.4	101.4	67.6
114+78.	114+80.	2.0	4.0	4.0	4.0	4.0	2.7
114+80.	119+00.	420.0	840.0	525.0	840.0	525.0	455.0
		SUBTOTAL	2200.0	1885.0	2200.0	1885.0	1361.7
		TOTAL	4085		4085		1362

SHORT TERM PAVEMENT MARKING SCHEDULE			SHORT TERM PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	
			70300100				70307120	
			YELLOW - CL		WHITE - SHOULDER CHEV/ONS		WHITE	
STATIONING		LENGTH	PAVING - MILLING (PAINT)	PAVING - SC (TAPE)	PAVING - MILLING (PAINT)	PAVING - SC (TAPE)	STAGE 1 - EL	STAGE 2 - EL
FROM	TO	FEET	PAY FEET	PAY FEET	PAY FEET	PAY FEET	PAY FEET	PAY FEET
108+00.	110+24.	224.00	22.40	22.40	4.48	4.48	0.00	0.00
110+24.	110+73.75	49.75	4.98	4.98	1.00	1.00	0.00	0.00
110+73.75	111+26.	52.25	0.00	5.23	1.05	1.05	0.00	0.00
111+26.	113+97.	271.00	0.00	27.10	0.00	5.42	0.00	0.00
113+97.	114+45.5	48.50	0.00	4.85	0.97	0.97	0.00	0.00
114+45.5	114+96.	50.50	5.05	5.05	1.01	1.01	0.00	0.00
114+96.	118+29.	333.00	33.30	33.30	6.66	6.66	0.00	0.00
118+29.	119+00.	71.00	7.10	7.10	0.00	0.00	0.00	0.00
109+38.	109+62.	24.00	0.00	0.00	0.00	0.00	24.00	0.00
109+62.	117+33.	771.00	0.00	0.00	0.00	0.00	771.00	0.00
117+33.	117+56.	23.00	0.00	0.00	0.00	0.00	23.00	0.00
108+88.	109+08.	20.00	0.00	0.00	0.00	0.00	0.00	20.00
109+08.	116+95.5	787.50	0.00	0.00	0.00	0.00	0.00	790.00
116+95.5	117+23.	27.50	0.00	0.00	0.00	0.00	0.00	28.00
SUBTOTAL			72.83	110.00	15.16	20.58	818.00	838.00
TOTAL			219				1656	

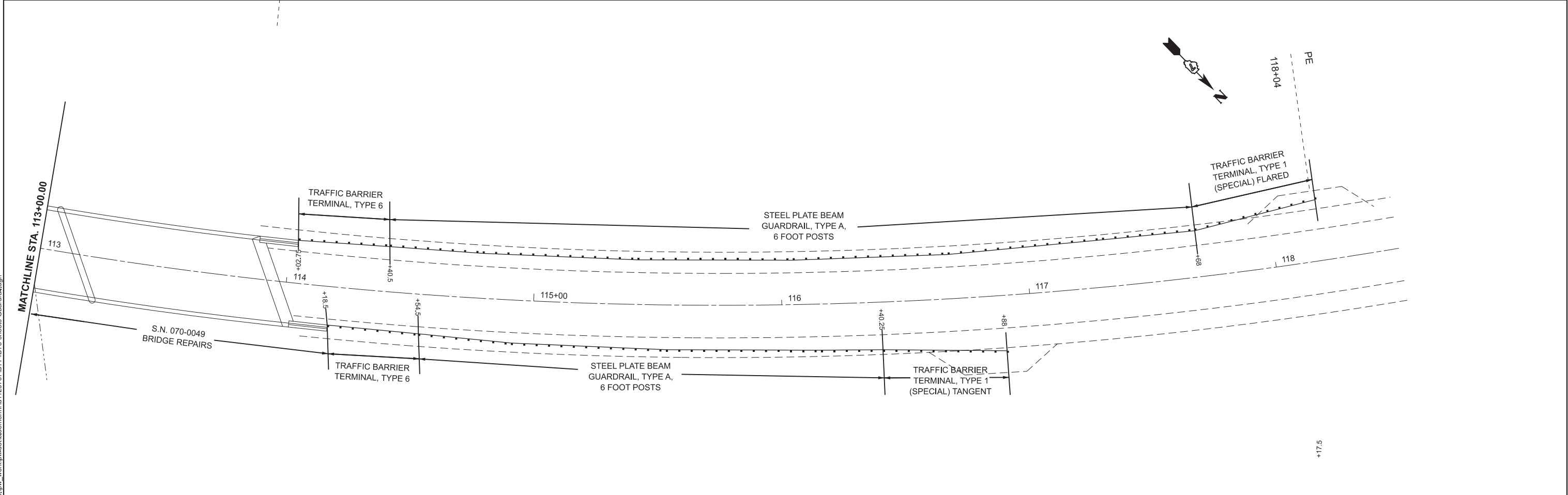
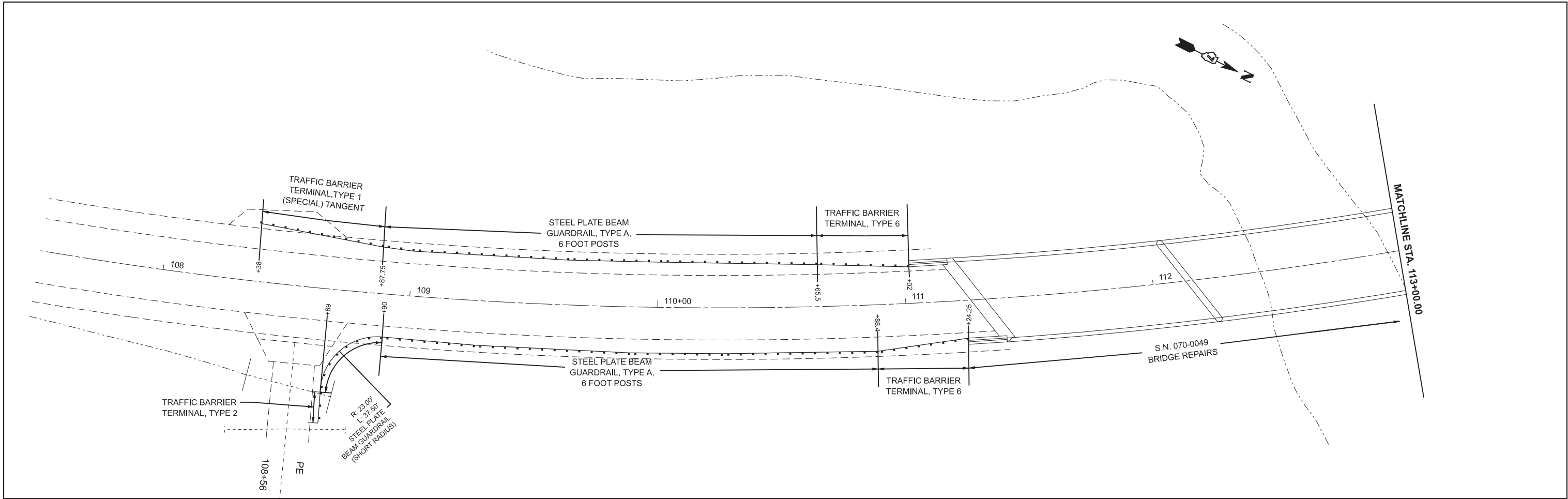
SURVEY SCHEDULE						PROTECTING OR RESETTNG SURVEY MARKERS
						Z0049799
PT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	EACH
400	1116528.332	891233.35	119+04.48	0	PT - FOUND IDOT DISK	1
401	1115497.706	891951.222	106+15.59	0	PT - FOUND IDOT DISK	1
TOTAL						2

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER (AMBER BI-DIRECTIONAL)
STATIONING		LENGTH	78300200	78100100
FROM	TO	FEET	EACH	EACH
108+00.	110+96.23	296.23	4	6
110+96.23	111+26.23	30.00	0	2
111+26.23	113+97.28	271.05	2	0
113+97.28	114+27.28	30.00	0	2
114+27.28	119+00.	472.72	6	10
		TOTAL	12	20

SHORT TERM MARKING REMOVAL SCHEDULE							
PAVEMENT MARKING BLACKOUT TAPE, 5"	SHORT TERM PAVEMENT MARKING		TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	SHORT TERM PAVEMENT MARKING REMOVAL			
70107005	70300100		70307120	70300150			
FEET	FEET	FEET	FEET	SQ FT			
BLACK	YELLOW	WHITE	WHITE	BLACK	YELLOW	WHITE	WHITE
1880	183	36	1656	783.33	61.00	12.00	552.00
			TOTAL	1409			

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES					F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							758	D7 BRIDGE REPAIRS 2027-4		MOULTRIE	36	11
		CHECKED -	REVISED -							CONTRACT NO. 74D73					
	PLOT DATE = 6/2/2026	DATE -	REVISED -		SCALE:	SHEET 3	OF 3	SHEETS	STA.	TO STA.					
											ILLINOIS		FED. AID PROJECT		

MODEL: CL IL 32 - 74D73 (Sheet)
FILE NAME: c:\pw_work\pilot\tabletermid1129767\74D73-sheets-Guardrail.dgn



	USER NAME = jessica.hille	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 6/2/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

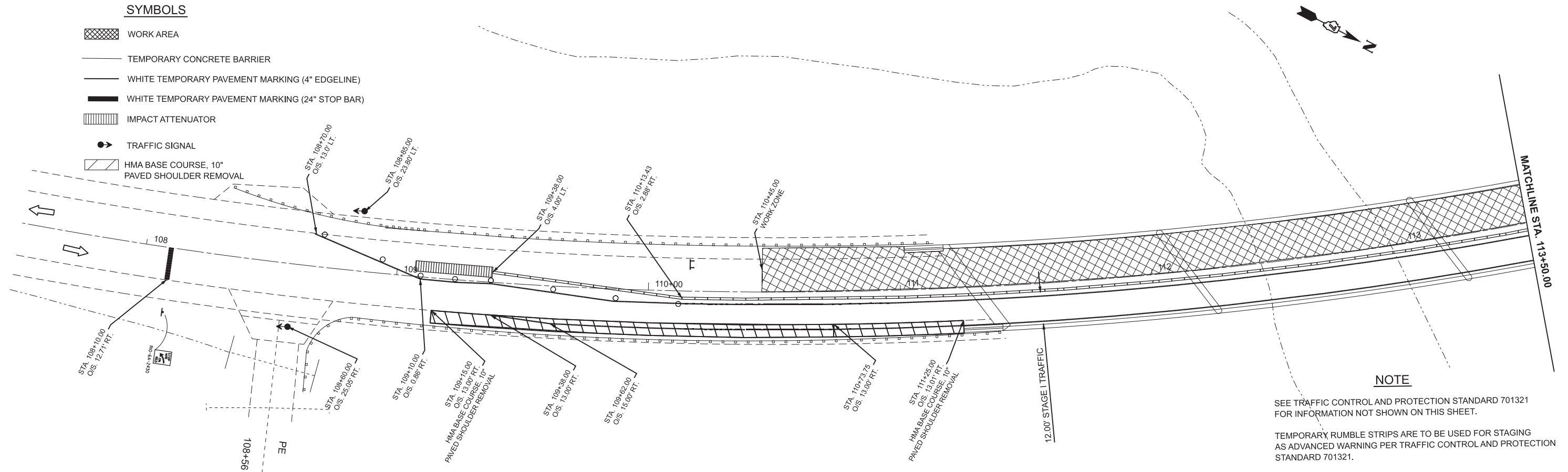
GUARDRAIL PLAN SHEET

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 107+50.00 TO STA. 118+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	12
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

 WORK AREA
 TEMPORARY CONCRETE BARRIER
 WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
 WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
 IMPACT ATTENUATOR
 TRAFFIC SIGNAL
 HMA BASE COURSE, 10" PAVED SHOULDER REMOVAL

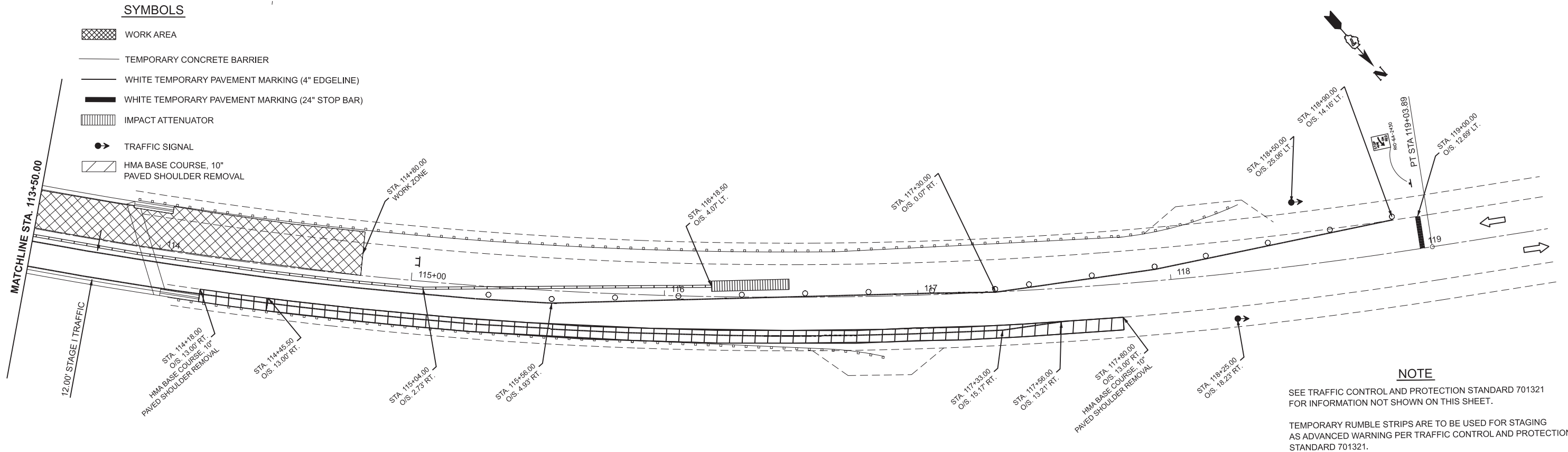
STA 108+70.00
 O/S 13' or Lf.



SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321
FOR INFORMATION NOT SHOWN ON THIS SHEET.

TEMPORARY RUMBLE STRIPS ARE TO BE USED FOR STAGING
AS ADVANCED WARNING PER TRAFFIC CONTROL AND PROTECTION
STANDARD 701321.

	WORK AREA
	TEMPORARY CONCRETE BARRIER
	WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
	WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
	IMPACT ATTENUATOR
	TRAFFIC SIGNAL
	HMA BASE COURSE, 10" PAVED SHOULDER REMOVAL



SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321
FOR INFORMATION NOT SHOWN ON THIS SHEET.

TEMPORARY RUMBLE STRIPS ARE TO BE USED FOR STAGING
AS ADVANCED WARNING PER TRAFFIC CONTROL AND PROTECTION
STANDARD 701321.

USER NAME = Maria.Bloemer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/30/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS

STAGE 1 CONSTRUCTION TRAFFIC CONTROL DETAILS

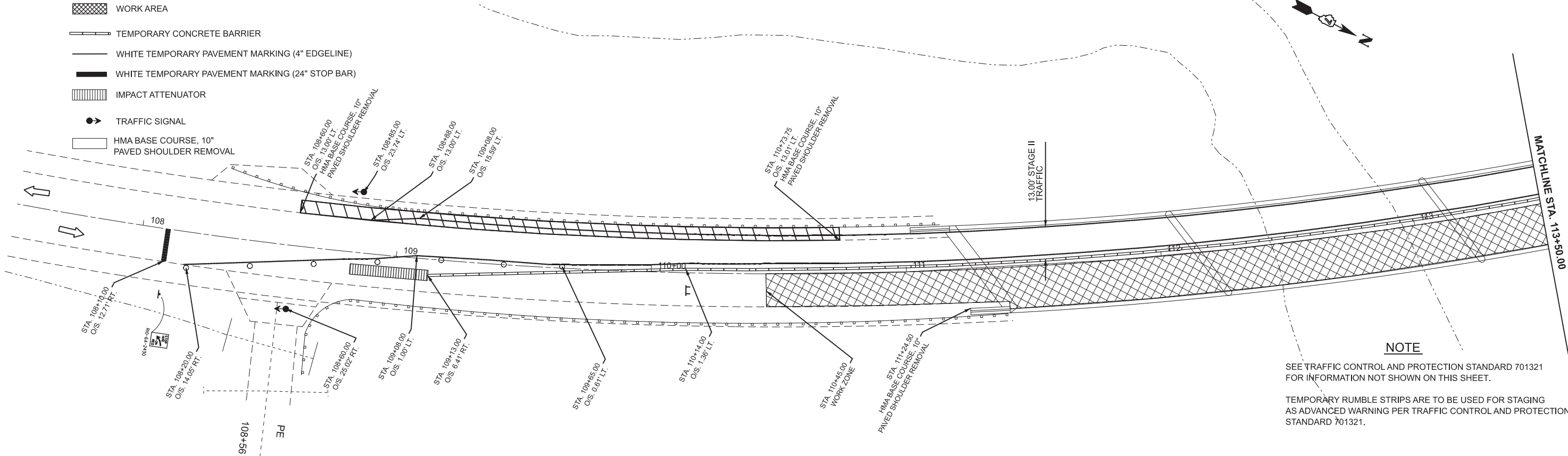
SCALE: 1"=20'	SHEET 1	OF 2	SHEETS	STA. 107+50.00	TO STA. 119+50.00
---------------	---------	------	--------	----------------	-------------------

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	13
CONTRACT NO. 74D73				
ILLINOIS		FED. AID PROJECT		

MODEL: CL IL 32 - TC Stage 1 Construction [Sheet]
FILE NAME: c:\pw_work\pwidth\hillejald1129767\D774D73-sheets-TCStage1.dgn

SYMBOLS

- WORK AREA
- TEMPORARY CONCRETE BARRIER
- WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
- WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL
- HMA BASE COURSE, 10"
PAVED SHOULDER REMOVAL



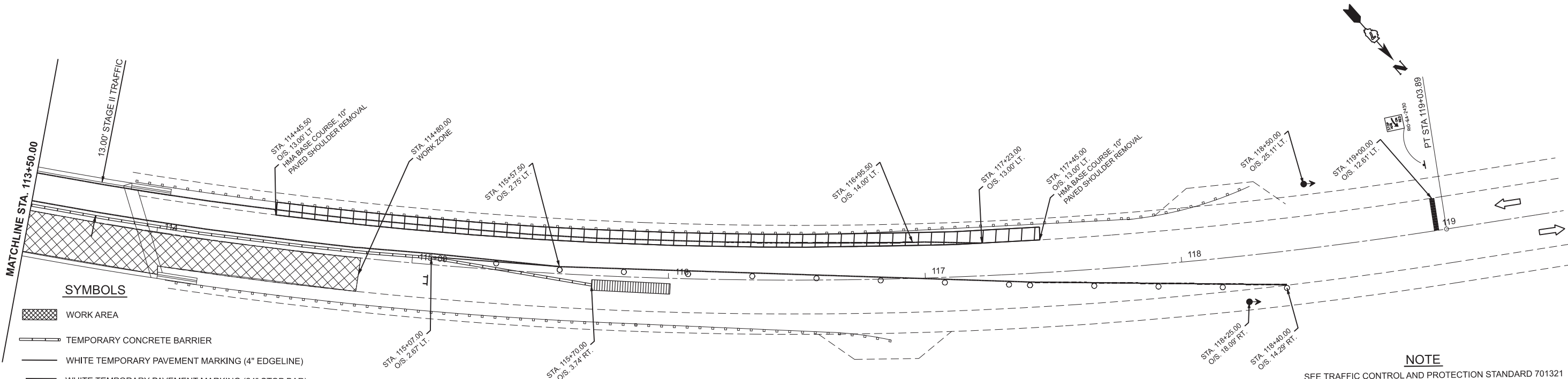
NOTE

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR INFORMATION NOT SHOWN ON THIS SHEET.

TEMPORARY RUMBLE STRIPS ARE TO BE USED FOR STAGING AS ADVANCED WARNING PER TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

SYMBOLS

- WORK AREA
- TEMPORARY CONCRETE BARRIER
- WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
- WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL
- HMA BASE COURSE, 10"
PAVED SHOULDER REMOVAL



NOTE

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR INFORMATION NOT SHOWN ON THIS SHEET.

TEMPORARY RUMBLE STRIPS ARE TO BE USED FOR STAGING AS ADVANCED WARNING PER TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
STAGE 2 CONSTRUCTION TRAFFIC CONTROL DETAILS

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 107+50.00 TO STA. 119+50.00

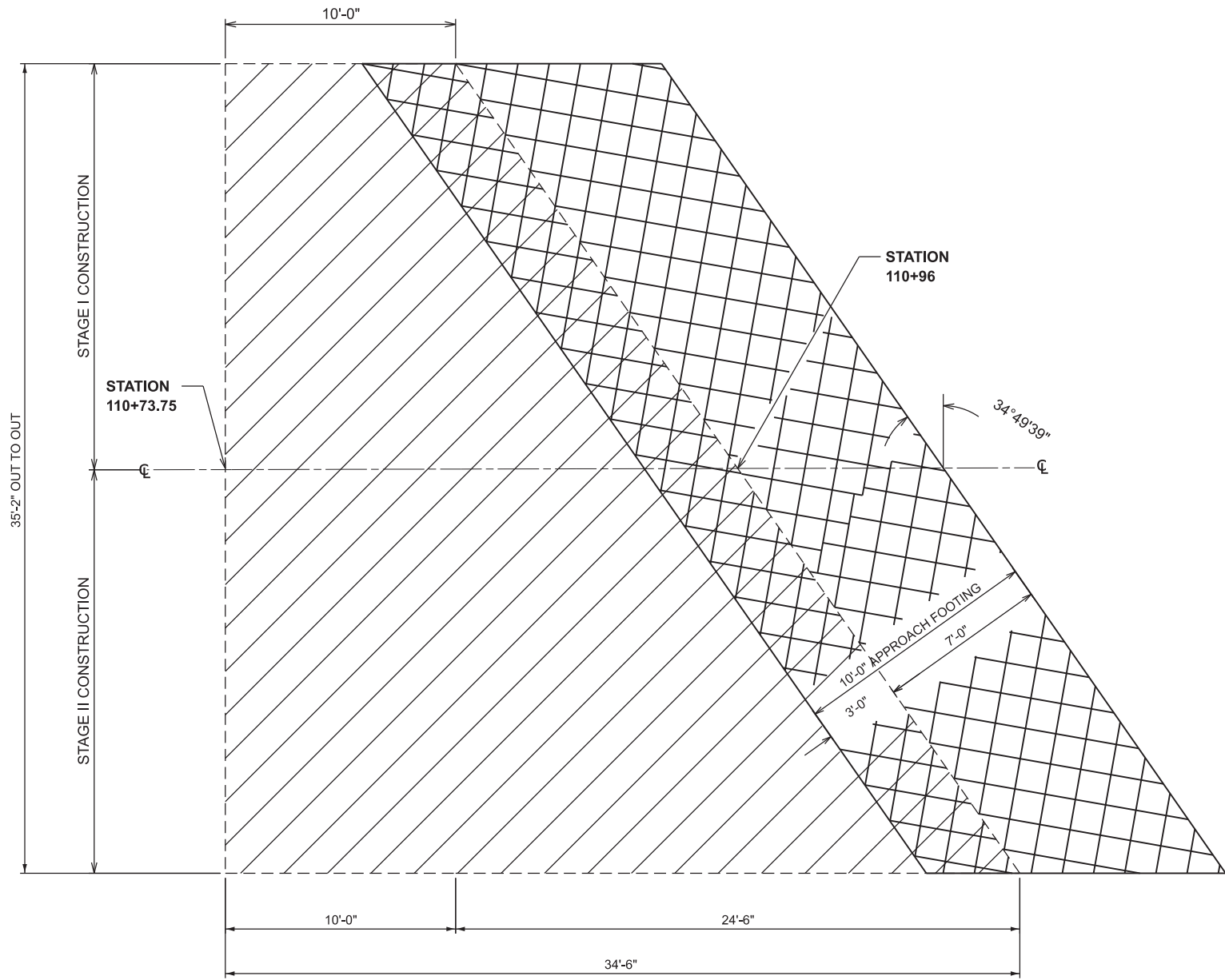
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	14
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

USER NAME = Maria.Bloemer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/30/2026	DATE -	REVISED -

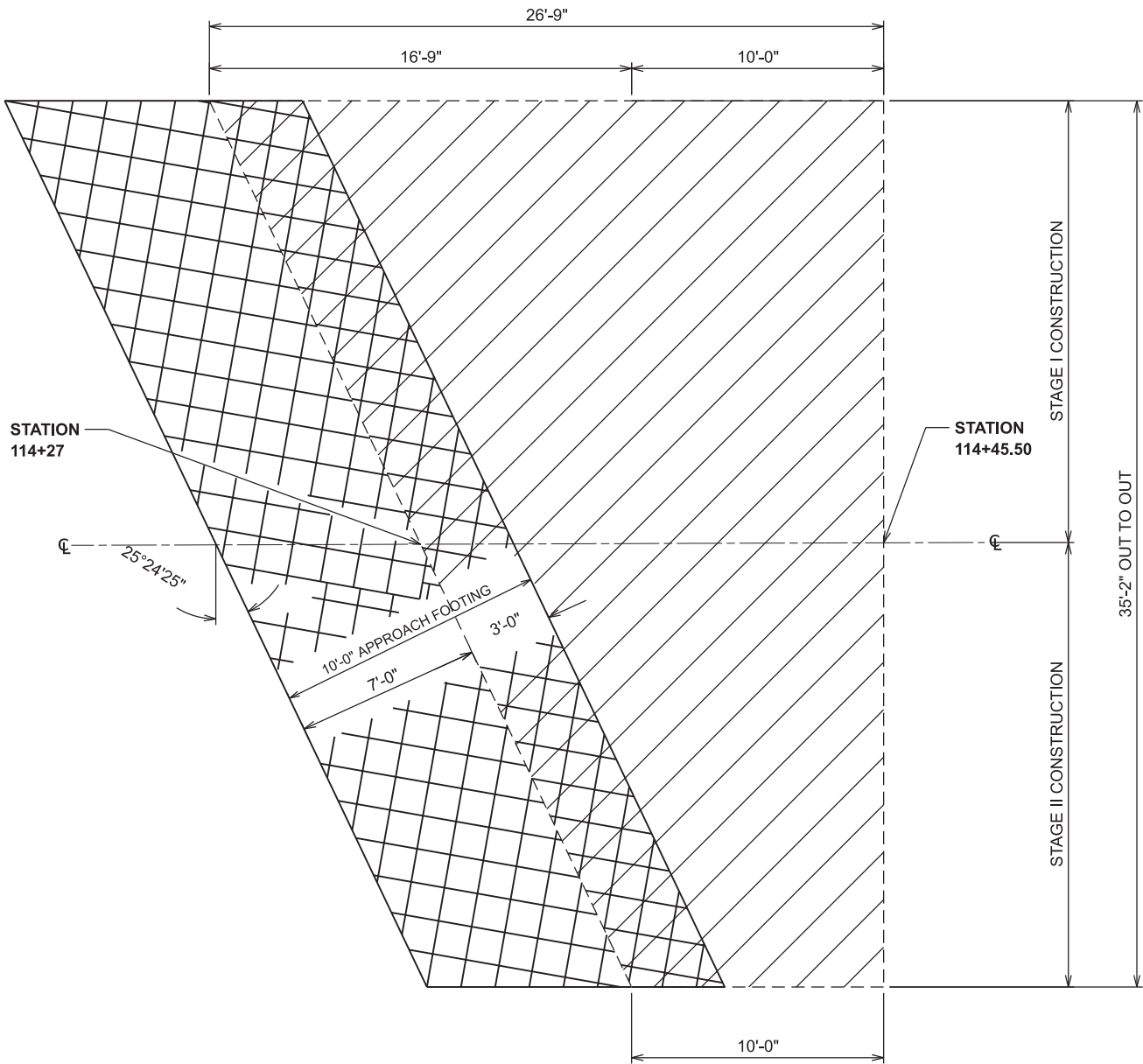
MODEL: C:\IL 32 - TC Stage 2 Construction-1 [Sheet]
FILE NAME: c:\pw_work\pilot\1129767\74D73-sheets-TCStage2.dgn

MODEL: 74D73 [Sheet]
FILE NAME: c:\pw_work\pwork\illjlad1129767\74D73-sheets-HMA Connector Detail.dgn

EAST APPROACH DETAIL



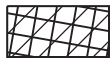
WEST APPROACH DETAIL



KEY



PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB



PAVEMENT CONNECTOR OVER APPROACH FOOTING



APPROACH FOOTING (CONCRETE STRUCTURES)

NOT TO SCALE

	USER NAME = Maria.Bloemer	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 4/30/2026	DATE -	REVISED -

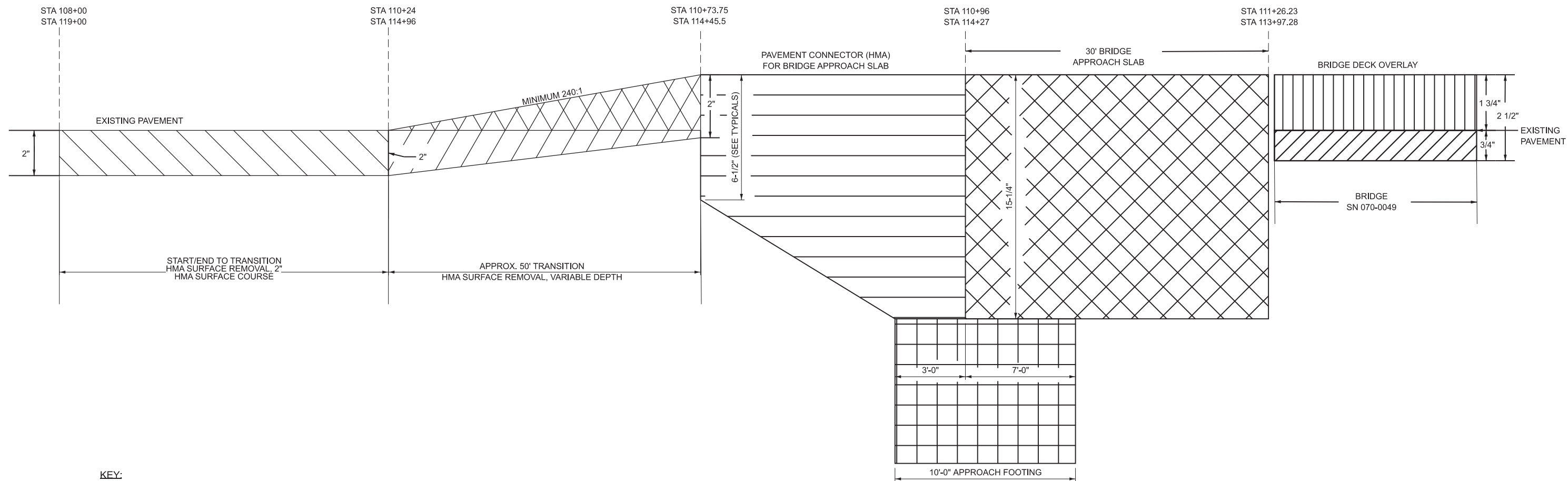
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA CONNECTOR DETAIL SHEET

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	15
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

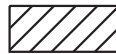
PAVING TRANSITIONS
STATION 110+24 TO STATION 110+96
STATION 114+96 TO STATION 114+27



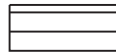
KEY:



OVERLAY



MILLING / DECK SCARIFICATION



PAVEMENT CONNECTOR (HMA)
FOR BRIDGE APPROACH SLAB
(SEE STANDARD 420406)



HMA SURFACE REMOVAL, VARIABLE DEPTH
(MILLING AND MATERIAL)



HMA SURFACE COURSE
HMA SURFACE REMOVAL, 2"



APPROACH SLAB
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)



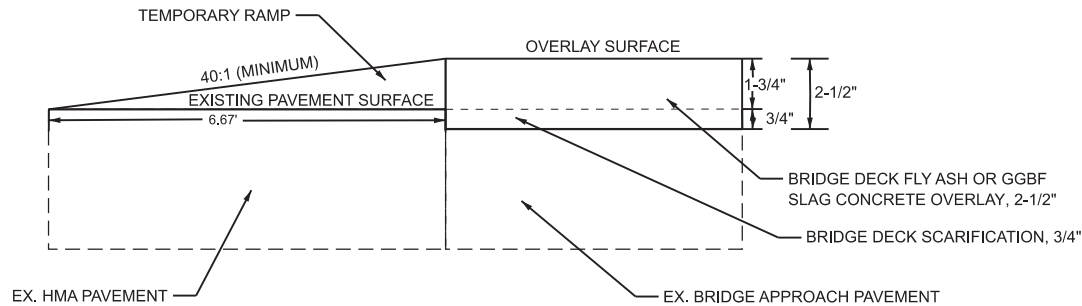
HMA SURFACE REMOVAL, VARIABLE DEPTH
(MATERIAL - HMA SURFACE COURSE)



APPROACH FOOTING
CONCRETE STRUCTURES

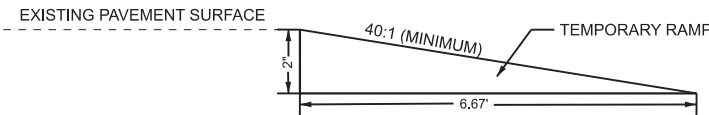
TEMPORARY RAMP DETAIL A (AT BRIDGE APPROACH)

STA 110+67 - STA 110+73.75
STA 114+45.5 - STA 114+53



TEMPORARY RAMP DETAIL B (AT START/END JOB)

STA 108+00 - STA 108+06.67
STA 119+00 - STA 118+93.33



NOT TO SCALE

MODEL: 74D73 [Sheet]
FILE NAME: c:\paw\work\hillsdale\1129767\74D73-sheets\paving Transition Detail.dgn

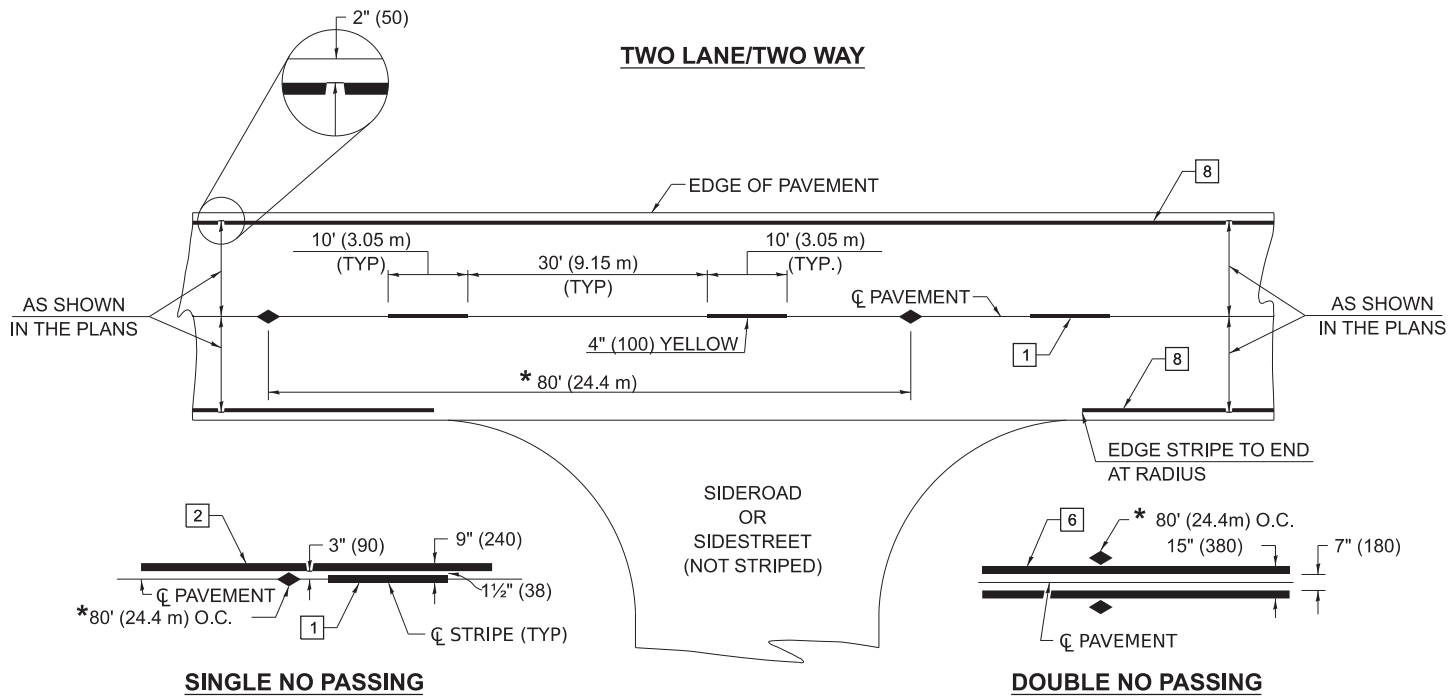
USER NAME = Maria.Bloemer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/30/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING TRANSITION DETAIL SHEET

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

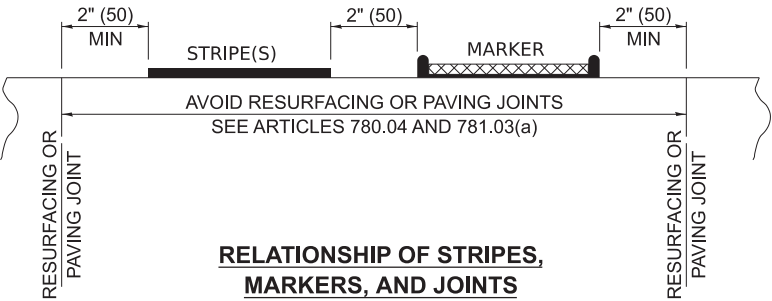
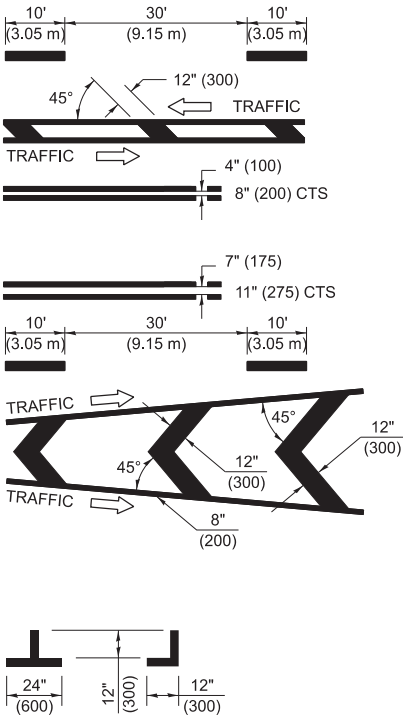
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	16
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 MPH (70 km/h) OR LESS.

PAVEMENT MARKERS LEGEND

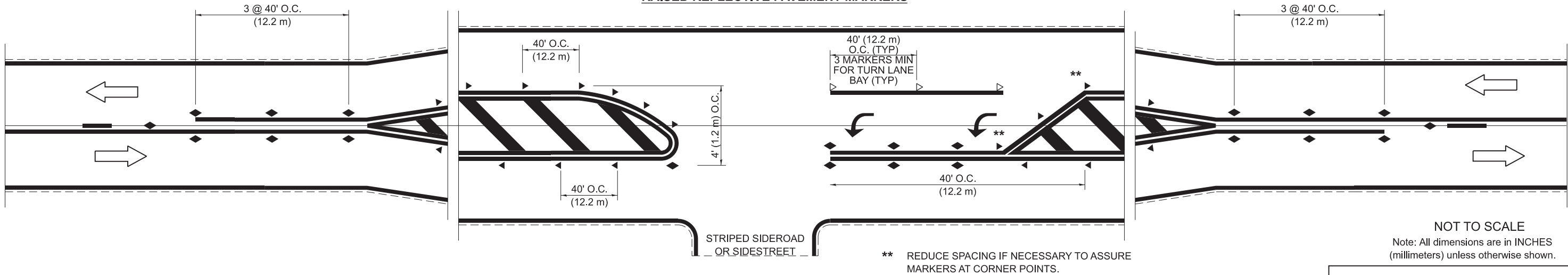
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID (WHITE)
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING (WHITE)



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS



NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/2/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)

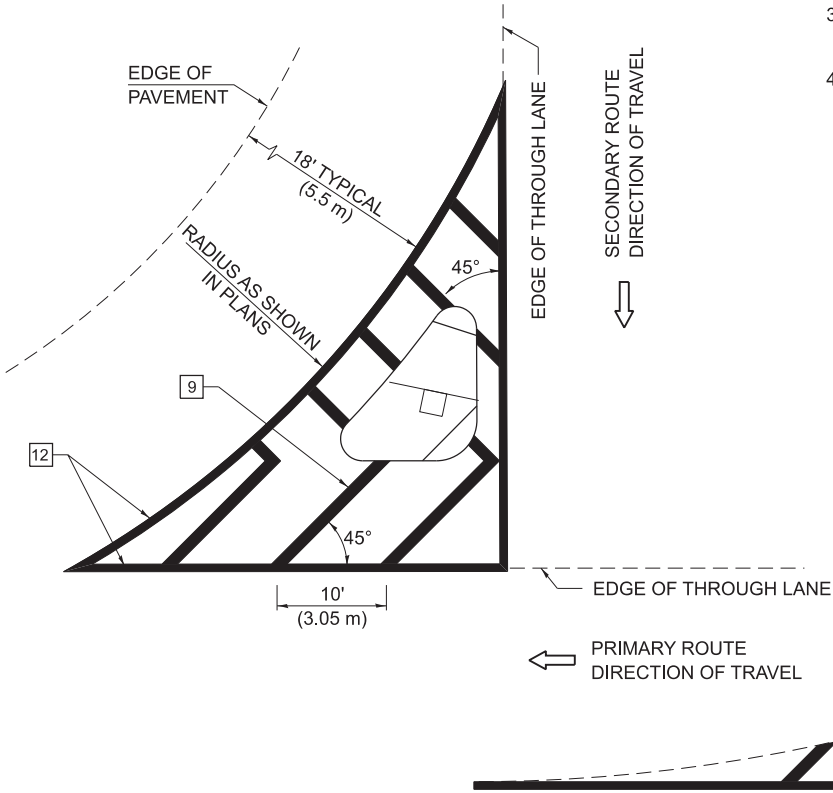
SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	17
		CONTRACT NO. 74D73		
		ILLINOIS FED. AID PROJECT		

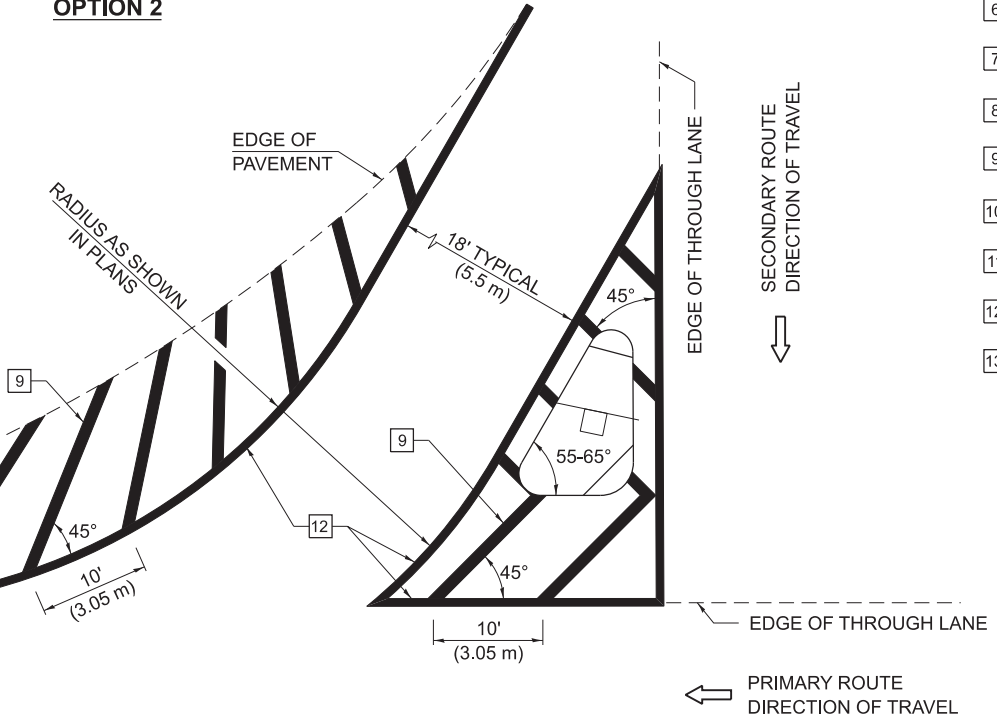
MODEL: 74D73 [Sheet]
FILE NAME: c:\paw_work\wkt\hille\ad1129767\74D73-sheets-D7Details.dgn

ISLANDS

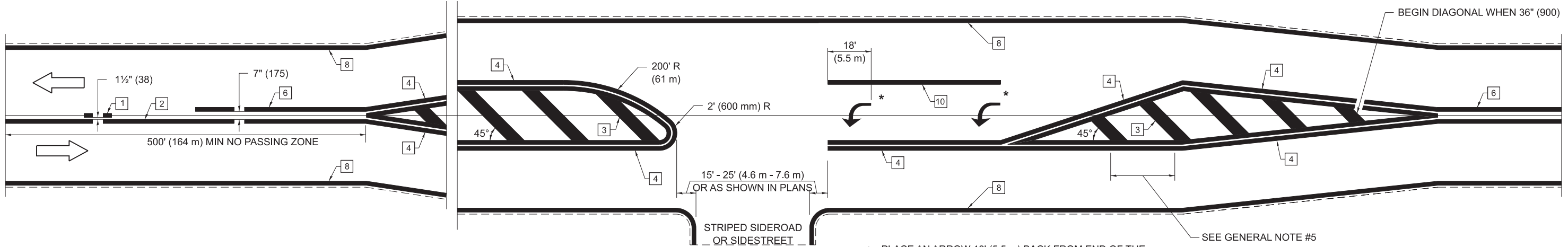
OPTION 1



OPTION 2



RURAL LEFT TURN STRIPING



GENERAL NOTES

1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2].
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

<30 MPH (<50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
>45 MPH (>75 km/h)	30' (9.0 m)
6. THE USE OF ISLAND STRIPING OPTION 1 OR OPTION 2 SHALL BE AS SHOWN ON THE PLANS.

PAVEMENT MARKING LEGEND

[1]	4" (100) SKIP-DASH (YELLOW)
[2]	4" (100) SOLID (YELLOW)
[3]	12" (300) DIAGONAL (YELLOW)
[4]	4" (100) DOUBLE YELLOW (NARROW)
[5]	12" (300) SOLID (WHITE)
[6]	4" (100) DOUBLE YELLOW (WIDE)
[7]	6" (150) SKIP-DASH (WHITE)
[8]	4" (100) SOLID (WHITE)
[9]	12" (300) DIAGONAL (WHITE)
[10]	6" (150) SOLID (WHITE)
[11]	24" (600) STOP BAR (WHITE)
[12]	8" (200) SOLID (WHITE)
[13]	4" (100) PARKING (WHITE)

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	19
CONTRACT NO. 74D73				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)

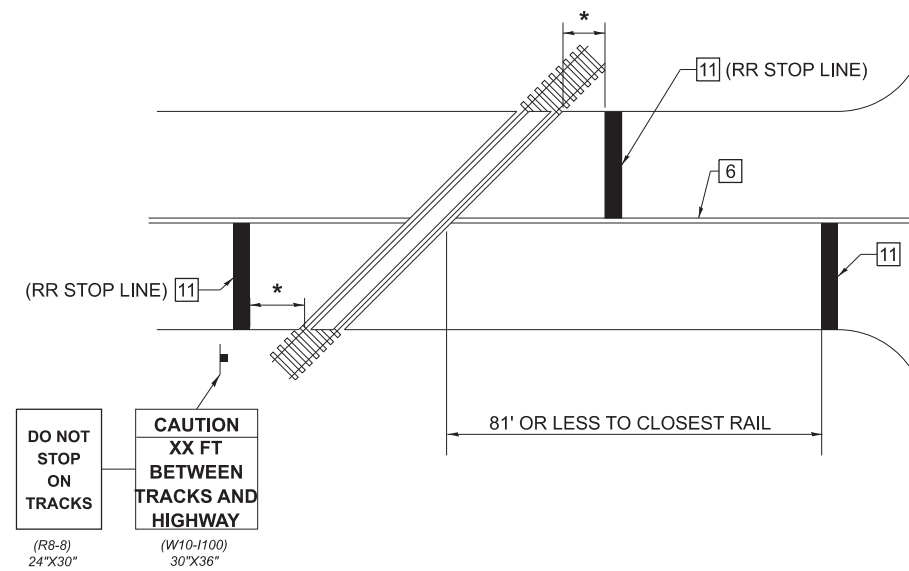
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/2/2026	DATE -	REVISED -

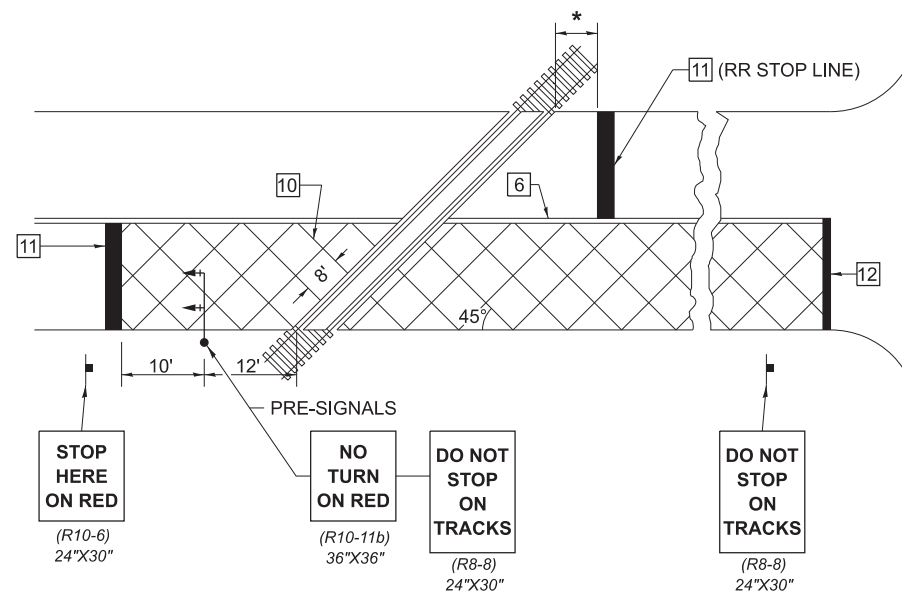
MODEL: 74D75 [Sheet]
FILE NAME: c:\pawork\jhill\ad1129767\74D73-sheets-D7Details.dgn

PAVEMENT MARKING LEGEND

RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



-

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
3. WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-I101 (18"x24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.

CAUTION

**WALK TIME
SHORTENED
WHEN TRAIN
APPROACHES**

*(W10-I101)
18"x24"*
4. PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION.

CAUTION

**WALK TIME
SHORTENED
WHEN TRAIN
APPROACHES**

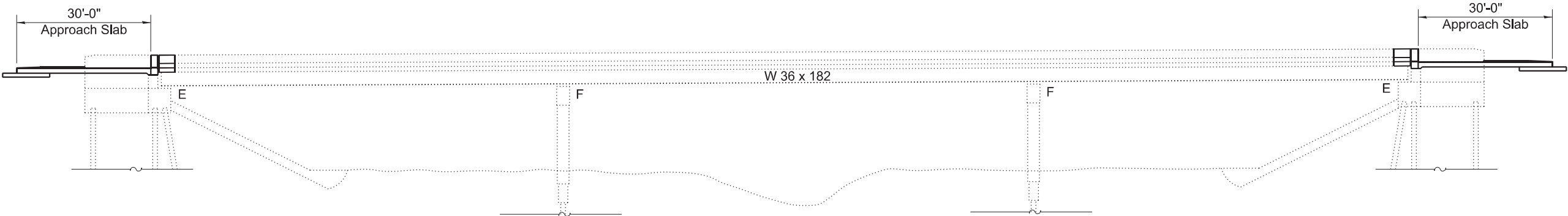
- * 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT
- ** WARNING SIGN W10-I100 SHALL BE USED AS AN INTERIM MEASURE AT INTERCONNECTED SIGNAL LOCATIONS WHERE PRE-SIGNALS ARE TO BE INSTALLED IN THE FUTURE. THIS SIGN SHALL BE REMOVED WHEN THE PRE-SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS ARE EXTENDED TO THE INTERSECTION.

NOT TO SCALE

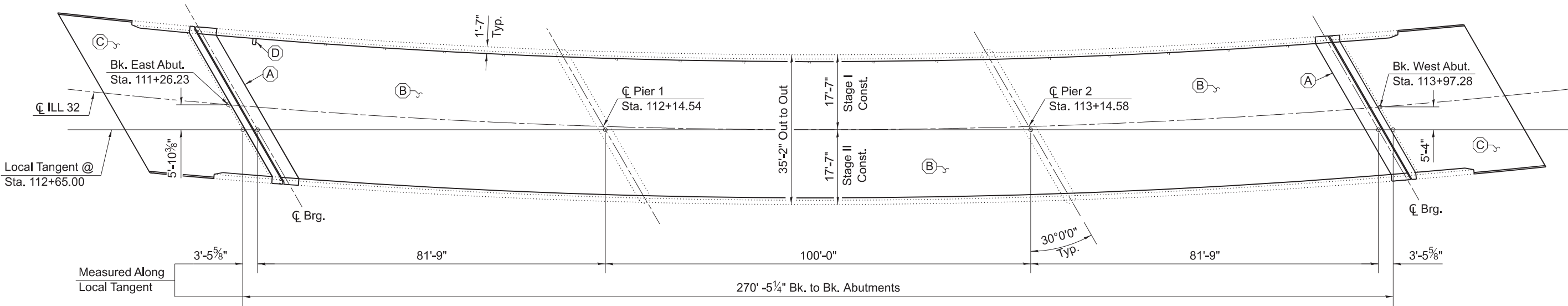
Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001				
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	20
CONTRACT NO. 74D73				
ILLINOIS FLOOD PROJECT				

STRUCTURE 070-0049 carries ILL 32 over West Okaw River. The existing three span, steel multi-beam structure was built in 2004. The proposed project consists of replacement of the expansion joints with new strip seals, full depth deck patching, scarification, concrete overlay, abutment corbels, and new approaches.



ELEVATION



PLAN

DESIGN STRESSES

New Construction

$f_c = 3,500$ psi (Structure Concrete)

$f_c = 4,000$ psi (Superstructure Concrete)

$f_y = 60,000$ psi (Reinforcement)

$f_y = 36,000$ psi

Existing Construction

$f_c = 3,500$ psi

$f_y = 60,000$ psi (Reinforcement)

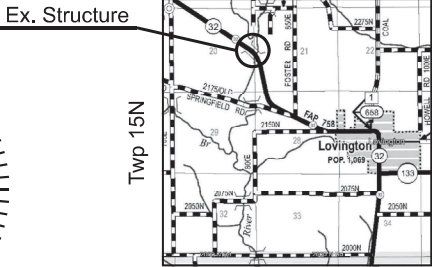
DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications
for Highway Bridges

- (A) - Remove Existing Joint & Construct Strip Seal Expansion Joint
- (B) - Bridge Deck Scarification $\frac{3}{4}$ ", Deck Patching, Bridge Deck Fly Ash or GGBF Slag Concrete Overlay $2\frac{1}{2}$ ", Diamond Grinding (Bridge Section), & Bridge Deck Grooving (Longitudinal)
- (C) - Remove Existing Approaches & Construct Abutment Corbels, New Bridge Approach Slabs, Diamond Grinding (Bridge Section), & Bridge Deck Grooving (Longitudinal)
- (D) - Adjust Scupper Drain



Range 5E, 3rd P. M.



LOCATION SKETCH

MODEL: 070-0049 Sheet 1 [Sheet]
FILE NAME: c:\paw_work\work\hille\jlad1129777\070-0049 Bridge Repair Sheets.dgn

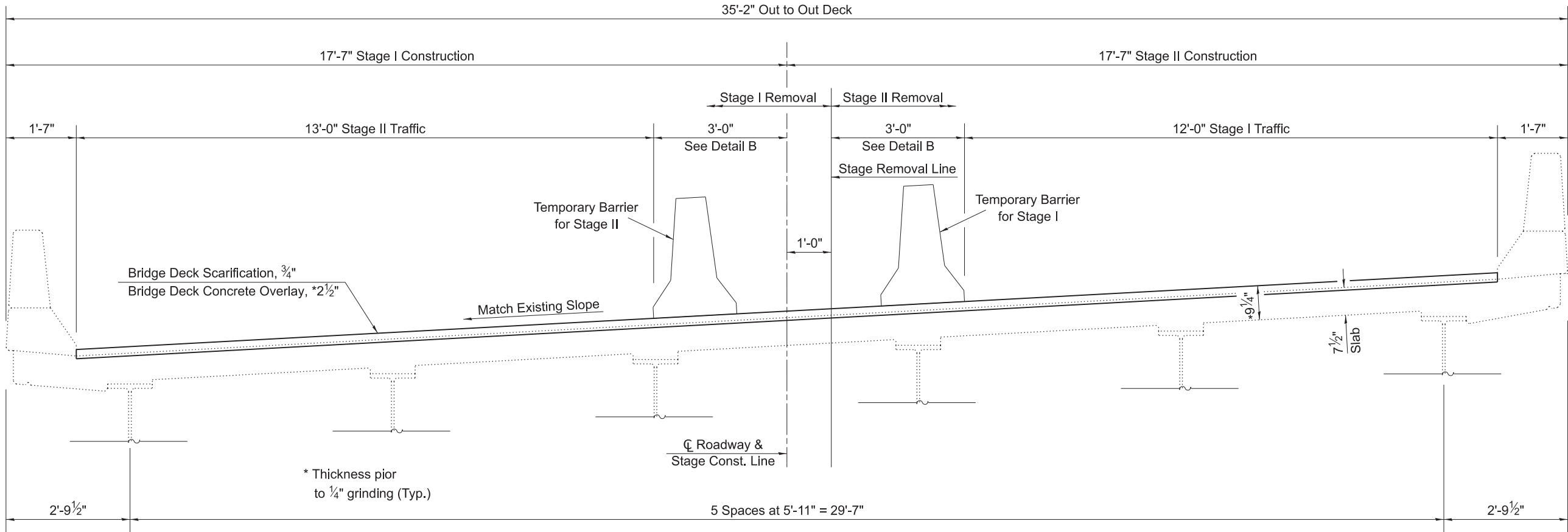
PLOT DATE = 4/20/2026	USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
		DRAWN - D. Lane	REVISED -
		CHECKED - L. Hille	REVISED -
		DATE - February 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
S.N. 070-0049

SCALE: SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	21
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

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

Reinforcement Bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced with an approved bar splicer or anchorage system. Cost included with CONCRETE REMOVAL.

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

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Synthetic fibers to be included in the concrete overlay. Cost included with BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY.

Protective Coat to be applied to areas of new concrete only, including bridge deck concrete overlay.

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

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

CROSS SECTION

Looking West

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	16.7
Concrete Superstructure	Cu. Yd.	18.4
Concrete Structures	Cu. Yd.	26.6
Concrete Superstructure (Approach Slab)	Cu. Yd.	100.3
Reinforcement Bars, Epoxy Coated	Pound	41,450
Bar Splicers	Each	369
Preformed Joint Strip Seal	Foot	79
Bridge Deck Scarification, 3/4"	Sq. Yd.	917
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq. Yd.	917
** Diamond Grinding (Bridge Section)	Sq. Yd.	1,030
** Bridge Deck Grooving (Longitudinal)	Sq. Yd.	875
Protective Coat	Sq. Yd.	1,206
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	18
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	12
Drainage Scuppers to be Adjusted	Each	1

** Area includes bridge deck and both approaches.

MODEL: 070-0049 Sheet 2 [Sheet]
FILE NAME: c:\paw_work\work\hille\ad1129777\070-0049 Bridge Repair Sheets.dgn

USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 6/2/2026	DATE - February 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION, GENERAL NOTES, & BILL OF MATERIALS
S.N. 070-0049

SCALE: SHEET 2 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	22
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

Technical drawing of a bridge deck cross-section, showing construction stages and materials. The drawing includes dimensions for various components and labels for construction stages.

Dimensions and Labels:

- Top Dimensions:** $\pm 2\frac{1}{2}"$, $\pm 1'-10"$, $\pm 4'-3"$, $1'-7"$ Typ.
- Bottom Dimensions:** $\pm 1'-9\frac{7}{8}"$, $\pm 4'-2\frac{7}{8}"$, $\pm 2\frac{3}{8}"$
- Internal Dimensions:** $2" @ 50^\circ F$, $3'-6"$, $1'-6"$, $1'-0"$, $6"$
- Angles:** $\pm 34^\circ 49' 39"$
- Construction Stages:**
 - 17'-7" Radial Stage I Construction
 - 17'-7" Radial Stage II Construction
 - Stage I Construction
 - Stage II Construction
 - Stage Removal Line
 - Back of Abut. (Bk. of Abut.)
- Other Labels:** $\pm 19'-5\frac{7}{8}"$ Along Skew, $\pm 19'-4\frac{3}{4}"$ Along Skew

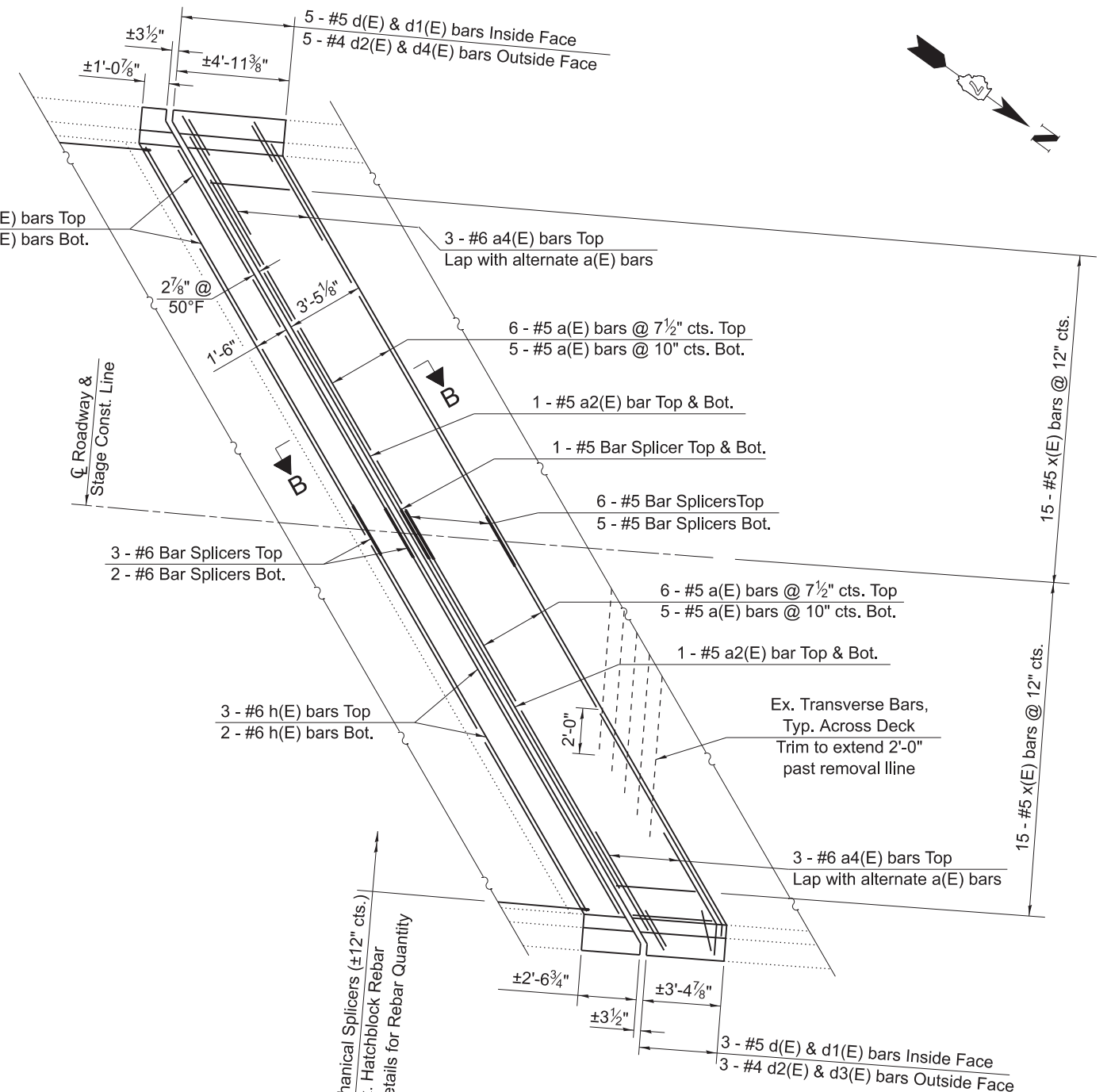
MATERIALS - EAST JOINT

No.	Size	Length	Shape
22	#5	20'-0"	
4	#5	17'-0"	

Bar	No.	Size	Length	Shape
a(E)	22	#5	20'-0"	
a2(E)	4	#5	17'-9"	
a4(E)	6	#6	6'-0"	
d(E)	8	#5	3'-0"	
d1(E)	8	#5	2'-7"	
d2(E)	8	#4	3'-0"	
d3(E)	3	#4	3'-9"	
d4(E)	5	#4	3'-9"	
h(E)	10	#6	19'-1"	
x(E)	30	#5	4'-1"	
ITEM			UNIT	QUANTITY
Concrete Removal			Cu. Yd.	8.7
Concrete Superstructure			Cu. Yd.	9.6
Reinforcement Bars, Epoxy Coated			Pound	1,090
Bar Splicers			Each	51

Technical drawing of a bent pipe. The left view shows a vertical section with a height of 2'-6" and a horizontal section with a width of 6". The right view shows a bent pipe with a horizontal section of 6", a vertical section of 1'-7" (labeled 1'-7" with a slope indicator), and a horizontal section of 9 1/2" and 6".

BAR d1(E)



33 - #5 Mechanical Splicers ($\pm 12"$ cts.)
Fasten to Ex. Hatchblock Rebar
See Appr. Details for Rebar Quantity

BAR $x(E)$

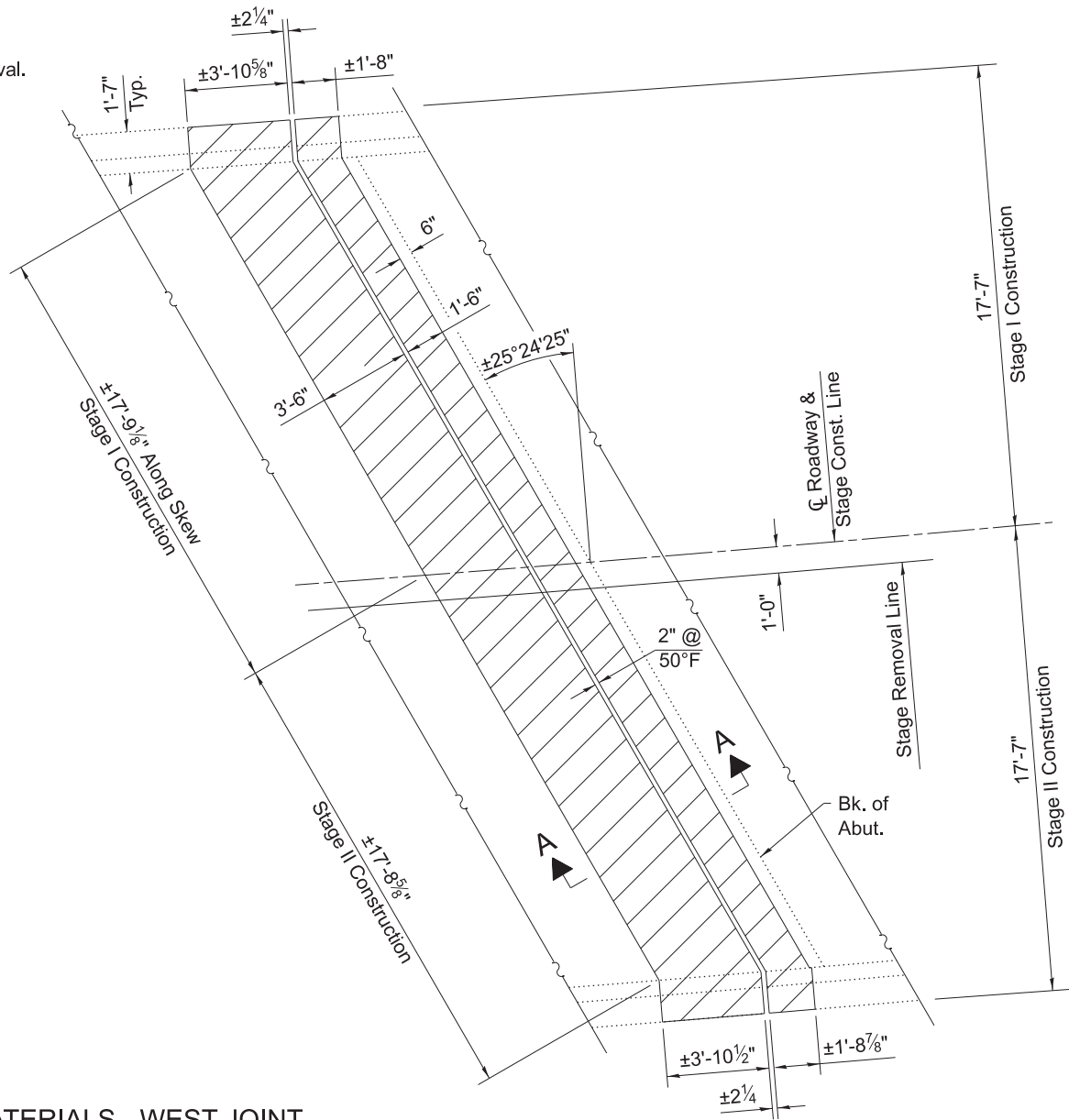
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 3	OF 16 SHEETS	STA.	TO STA.
--------	---------	--------------	------	---------

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

MODEL: 070-0049 Sheet 3 [Sheet]
FILE NAME: c:\pw_work\pwldot\hillej

Note: Hatched area
Indicates removal.

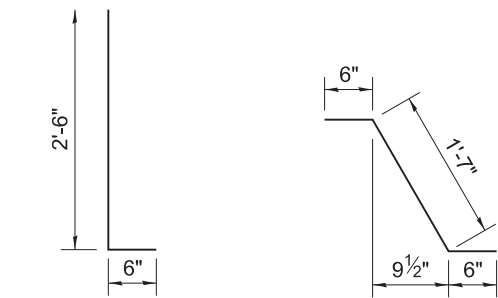


BILL OF MATERIALS - WEST JOINT

Bar	No.	Size	Length	Shape
a1(E)	22	#5	18'-2"	
a3(E)	4	#5	16'-4"	
a4(E)	6	#6	6'-0"	
d(E)	8	#5	3'-0"	
d1(E)	8	#5	2'-7"	
d2(E)	8	#4	3'-0"	
d3(E)	5	#4	3'-9"	
d4(E)	3	#4	3'-9"	
h1(E)	10	#6	17'-4"	
x(E)	30	#5	4'-1"	
ITEM		UNIT	QUANTITY	
Concrete Removal		Cu. Yd.	8.0	
Concrete Superstructure		Cu. Yd.	8.8	
Reinforcement Bars, Epoxy Coated		Pound	1,010	
Bar Splicers		Each	51	

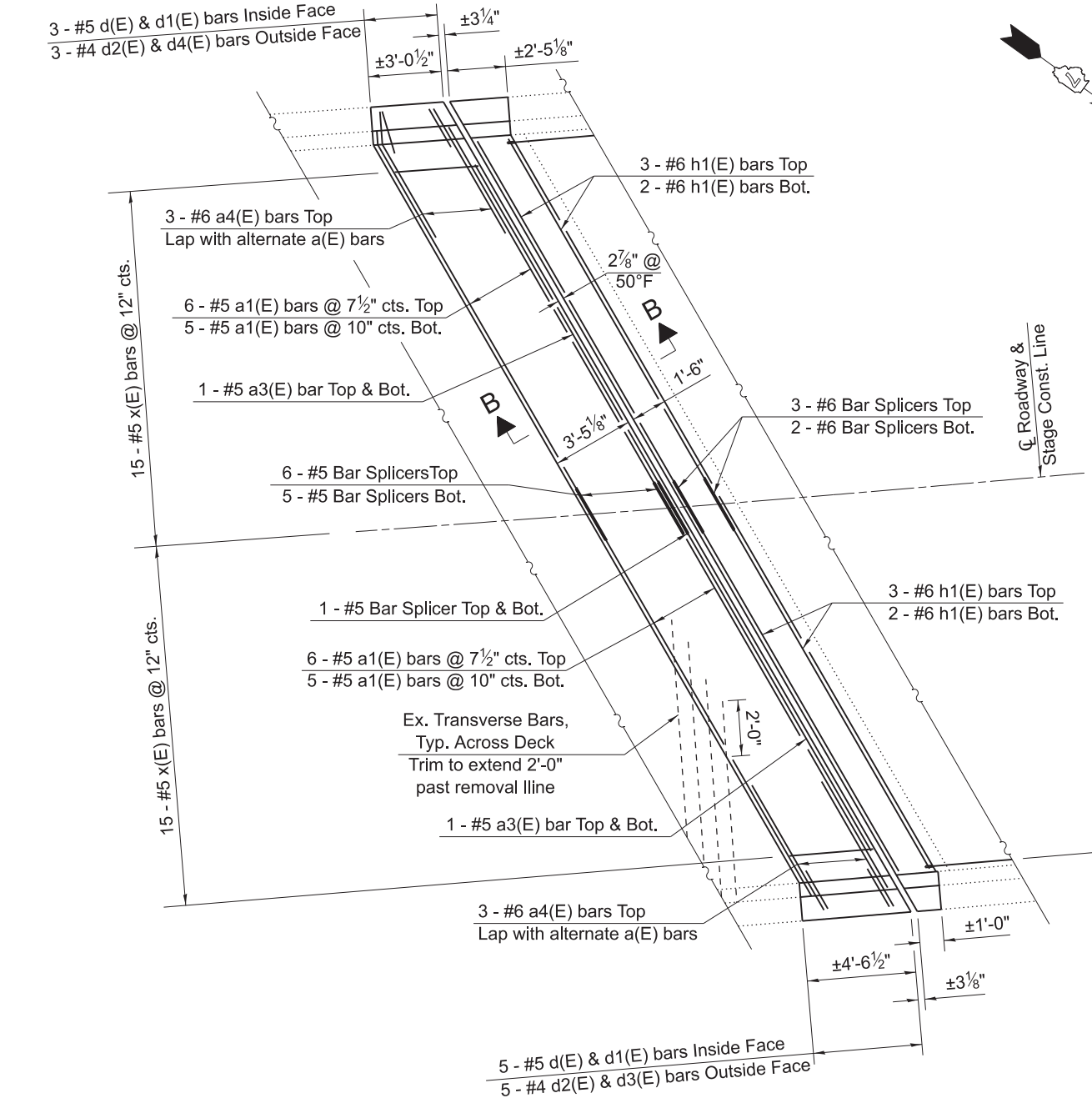
REMOVAL PLAN

West Joint



BAR d(E) & d2(E)

BAR d1(E)



REINFORCEMENT PLAN

West Joint

33 - #5 Mechanical Splicers (±12" cts.)
Fasten to Ex. Hatchblock Rebar
See Appr. Details for Rebar Quantity

MODEL: 070-0049 Sheet 4 [Sheet]
FILE NAME: c:\paw_work\work\hille\jald1129777\070-0049 Bridge Repair Sheets.dgn

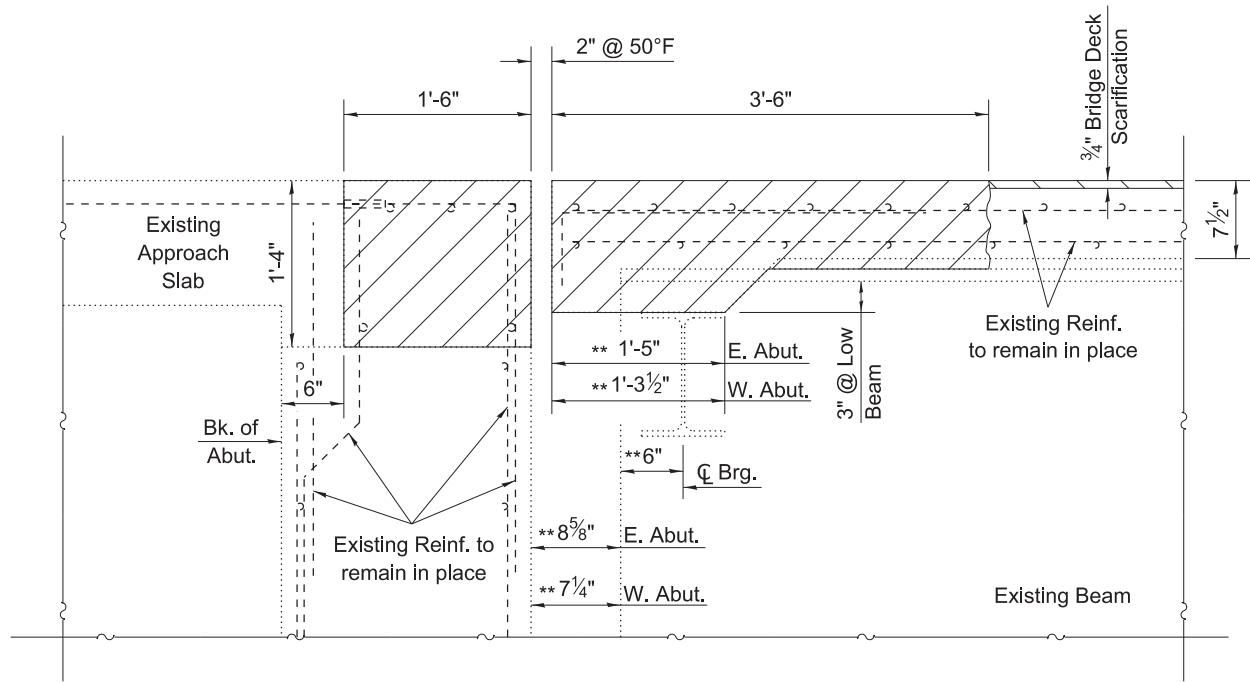
USER NAME	= jessica.hille	DESIGNED	- D. Lane	REVISED	-
		DRAWN	- D. Lane	REVISED	-
		CHECKED	- L. Hille	REVISED	-
PLOT DATE	= 6/2/2026	DATE	- February 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

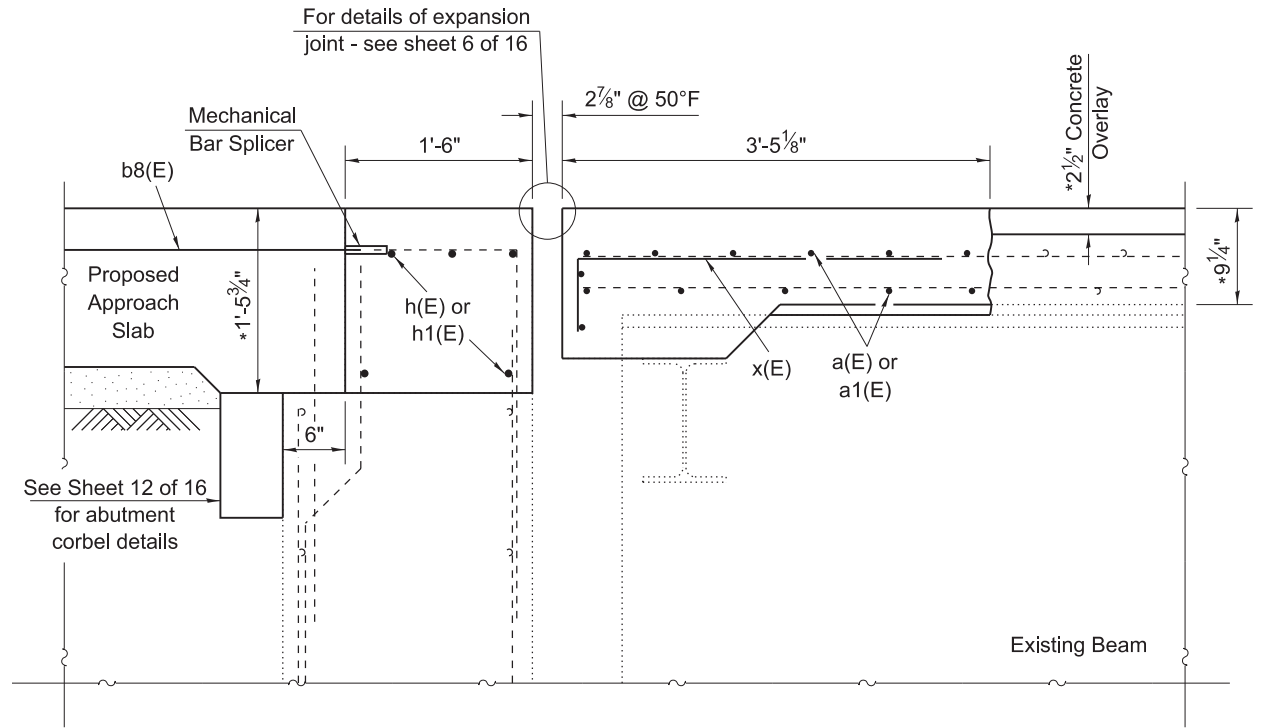
EXPANSION JOINT REPLACEMENT DETAILS
WEST JOINT - S.N. 070-0049

SCALE: SHEET 4 OF 16 SHEETS STA. TO STA.

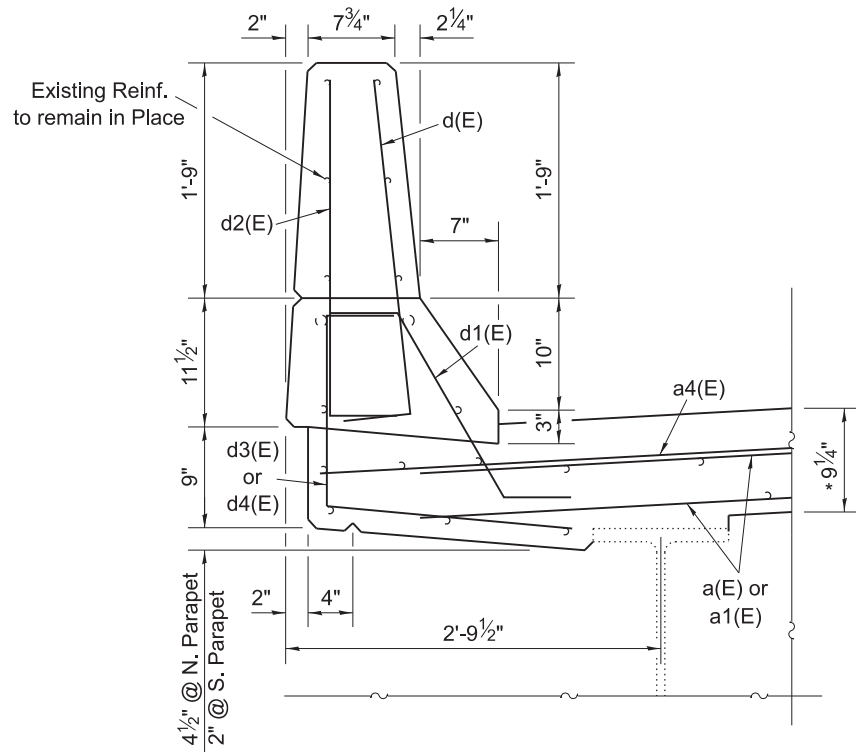
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	24
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				



SECTION A-A
Dimensions are at Rt. Angles
except as noted.



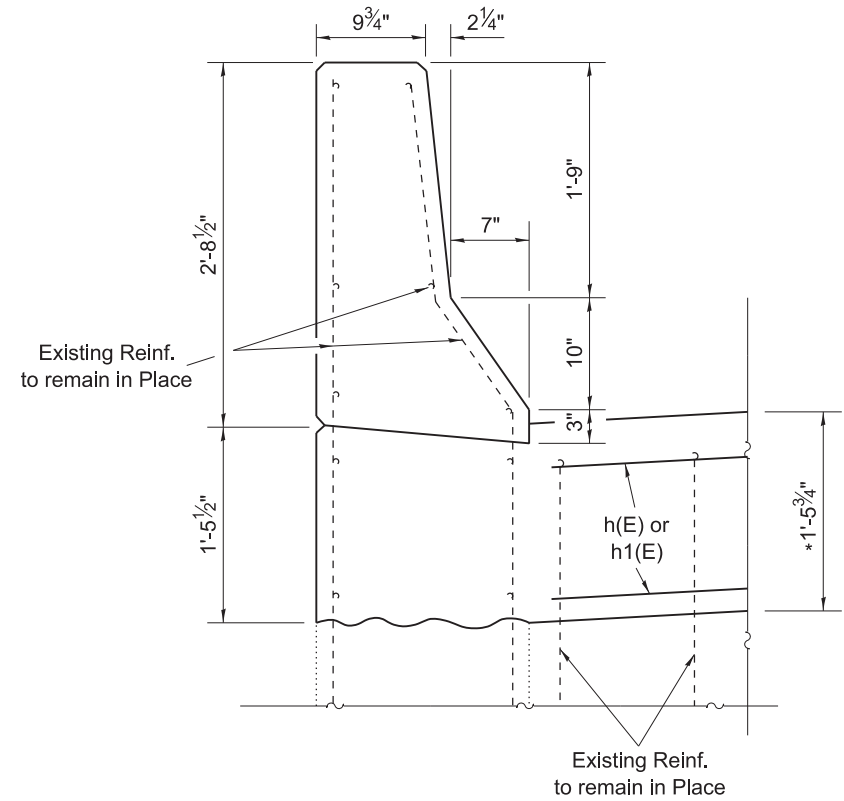
SECTION B-B



SECTION THRU DECK PARAPET

* Thickness prior
to 1/4" grinding (Typ.)

** Measured Along
C Beam



SECTION THRU APPROACH PARAPET

MODEL: 070-0049 Sheet 5 [Sheet]
FILE NAME: c:\paw_work\work\illjlad1129777\070-0049 Bridge Repair Sheets.dgn

USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 6/2/2026	DATE - February 2026	REVISED -

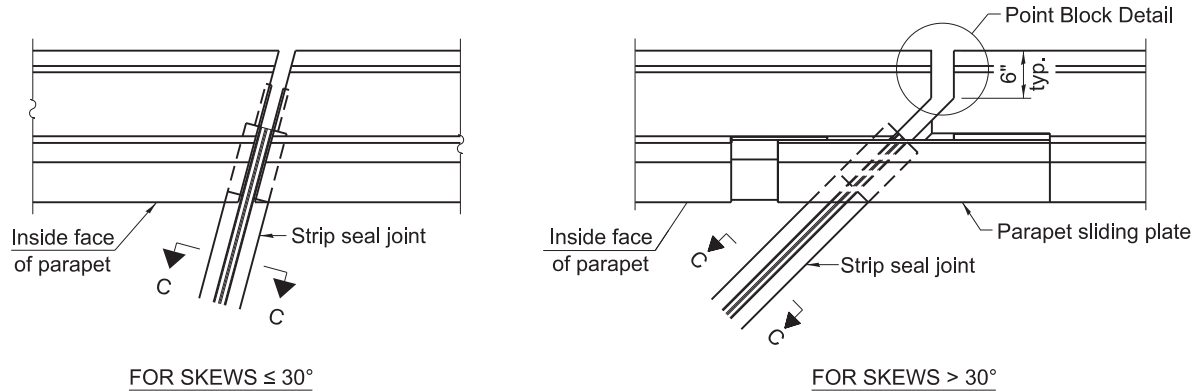
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
S.N. 070-0049

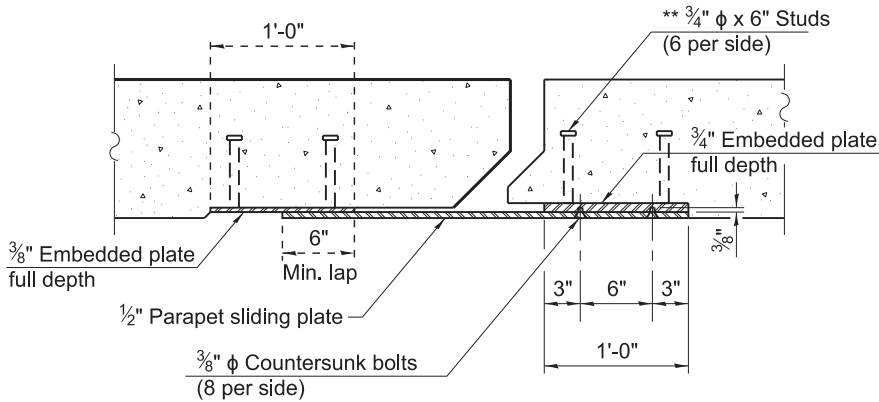
SCALE: SHEET 5 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	25
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

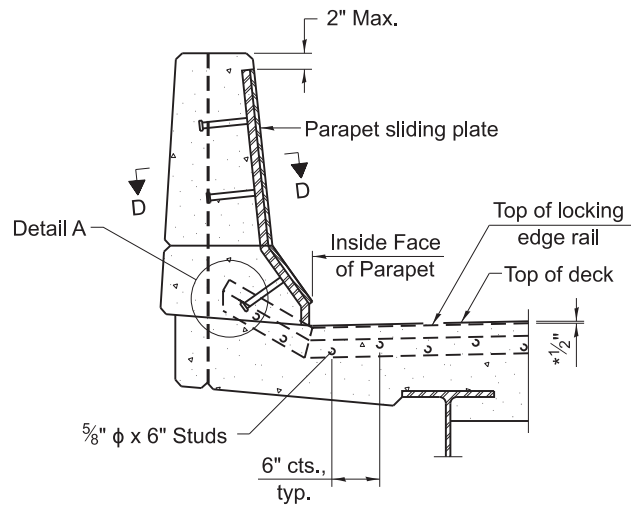
MODEL: 070-0049 Sheet 6 (Steel)
FILE NAME: c:\paw_work\work\hille\ad1129777\070-0049 Bridge Repair Sheets.dgn



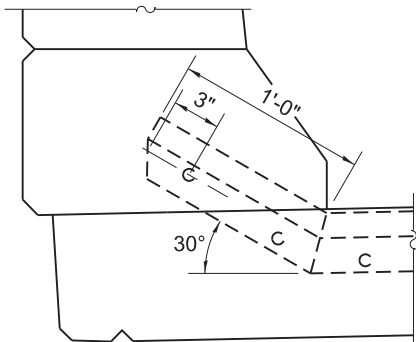
PLAN AT PARAPET



SECTION D-D

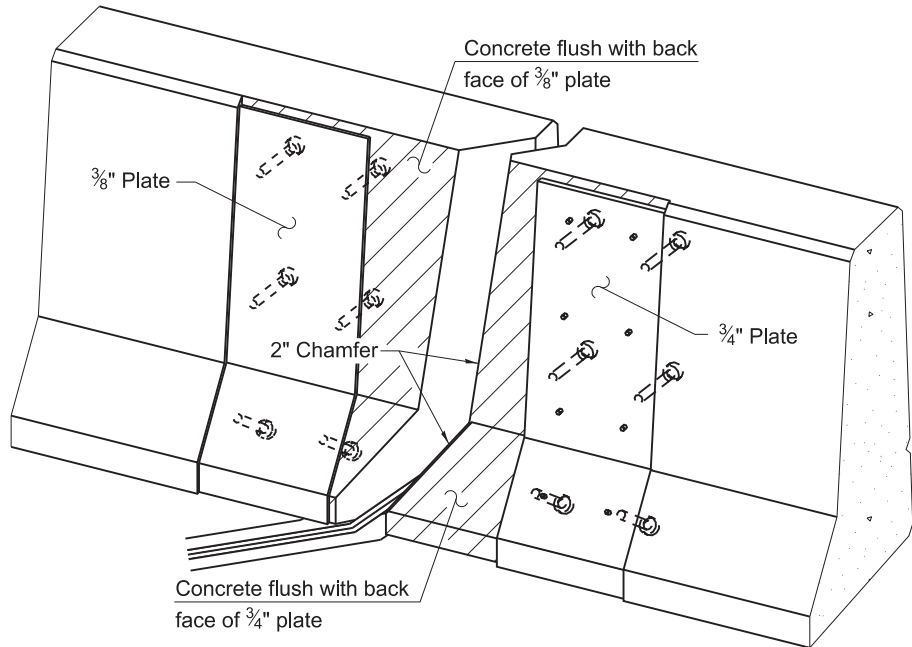


ELEVATION AT PARAPET

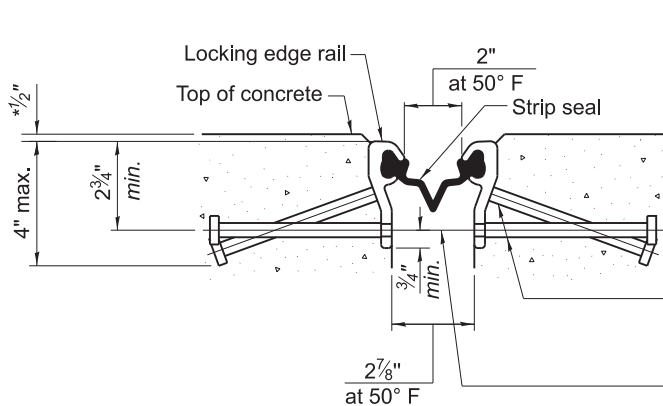


DETAIL A

(Kick-up at parapet locations shown.)



TRIMETRIC VIEW
(Showing embedded plates only)



SHOWING ROLLED RAIL JOINT

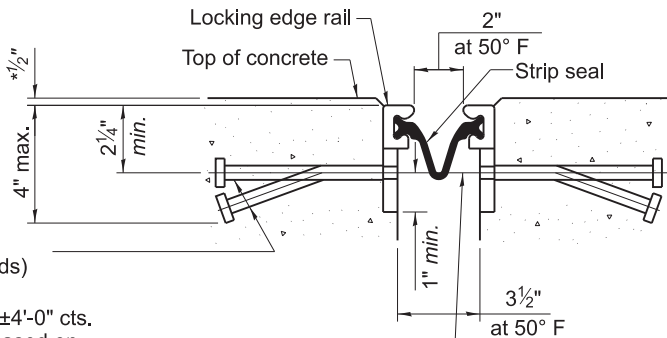
* Thickness prior to 1/4" grinding (Typ.)

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

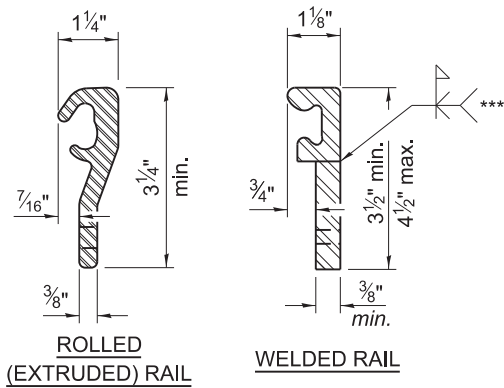
3/8" ϕ threaded rods in 7/16" ϕ holes at ± 4 '-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates within 90 minutes after concrete is set.

SECTION C-C

** 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.

GENERAL NOTES

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

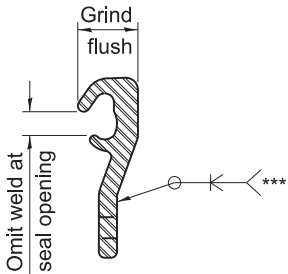
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails,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

The manufacturer's recommended installation methods shall be followed.

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

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

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



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	79

EJ-SS

10-3-2025

USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/3/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL DETAIL
S.N. 070-0049

SCALE: SHEET 6 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	26
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				



* Thickness prior
to 1/4" grinding (Typ.)

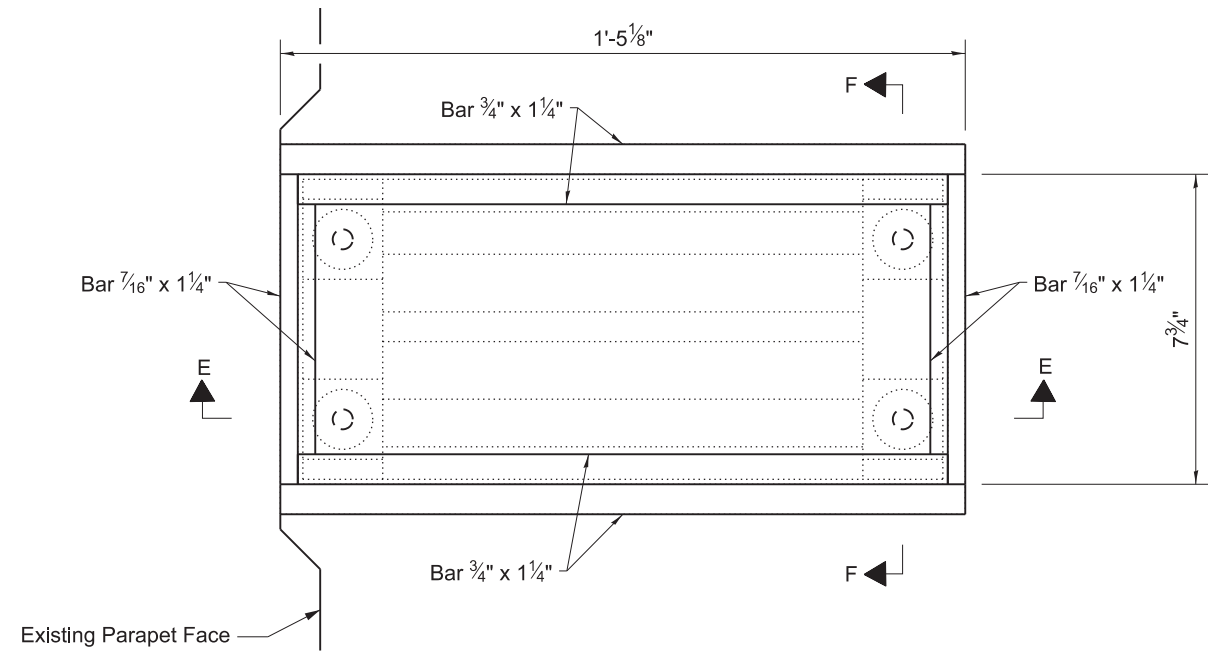


*** Temporary Concrete Barriers to be Pinned or Anchored on Approaches. Pinning Not Permitted on the Bridge Deck.

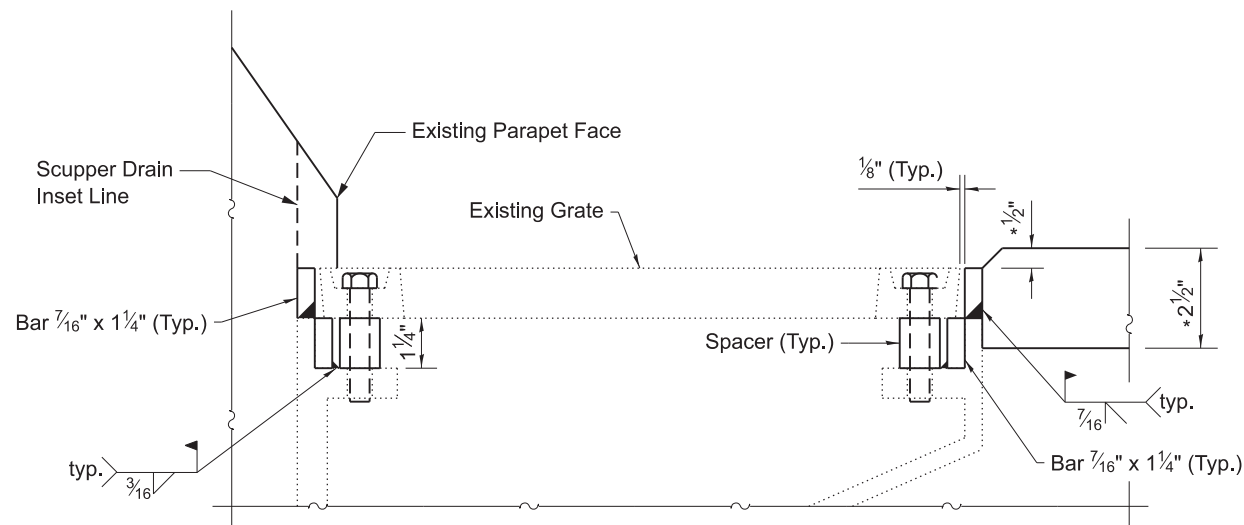
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAIN & STAGE LINE DETAILS
S.N. 070-0049

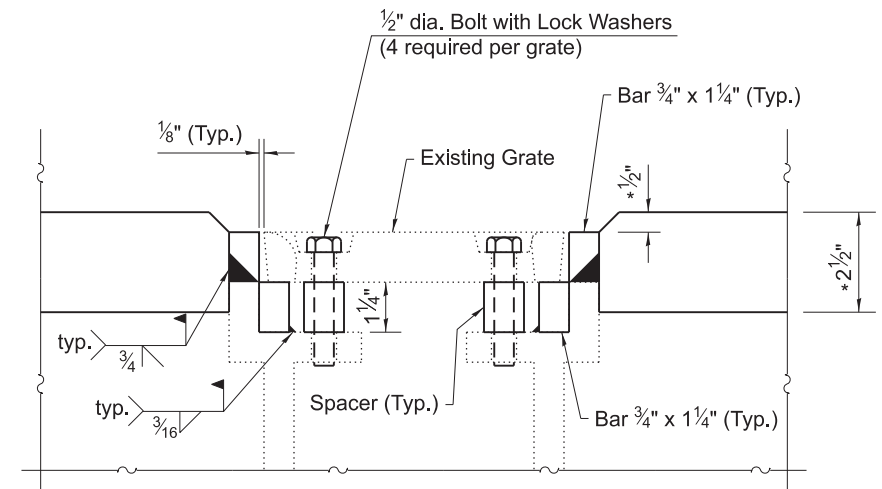
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	27
		CONTRACT NO. 74D73		
		ILLINOIS	FED. AID PROJECT	



PLAN



SECTION E-E



SECTION F-F

GENERAL NOTES

- All structural steel shall conform to AASHTO Classification M-270 Gr. 36.
- The adjusting ring shall be galvanized according to AASHTO M111.
- The contractor shall ensure no damage is done to existing grates to be reused.
- Shop plans for proposed adjusting ring shall be submitted for approval prior to fabrication.
- Cost of all labor and materials necessary to remove existing grates, clean existing scuppers, install adjusting scupper rings, and reinstalling grates is included in the cost per unit each for Drainage Scupper To Be Adjusted.

* Thickness prior to
1/4" grinding (Typ.)

BILL OF MATERIAL

Item	Unit	Total
Drainage Scuppers To Be Adjusted	Each	1

MODEL: 070-0049 Sheet 8 [Sheet]
FILE NAME: c:\pw_work\pwork\hille\ad1129777\070-0049 Bridge Repair Sheets.dgn

USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 6/2/2026	DATE - February 2026	REVISED -

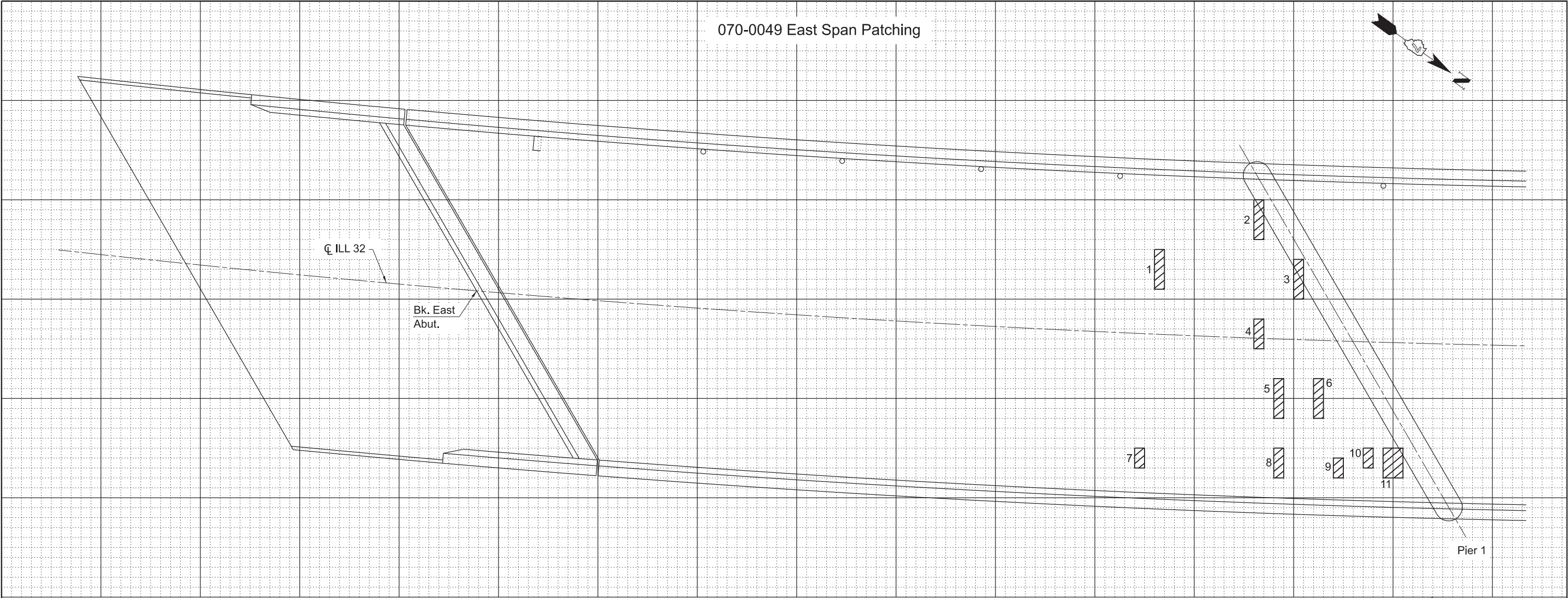
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADJUSTING EXISTING SCUPPER
S.N. 070-0049

SCALE: SHEET 8 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	28
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

MODEL: 070-0049 Sheet 9 [Sheet]
FILE NAME: c:\pw_work\pwork\hille\ad1129777\070-0049 Bridge Repair Sheets.dgn



Note: A quantity of 8 SQ YD of Deck Slab Repair (Full Depth, Type II) has been added for any unpredicted repair locations throughout the bridge deck. Exact locations shall be determined by the Engineer.

PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
NO.	LENGTH	WIDTH	SQ YD	SQ YD
1	1.0	4.0	0.4	
2	1.0	4.0	0.4	
3	1.0	4.0	0.4	
4	1.0	3.0	0.3	
5	1.0	4.0	0.4	
6	1.0	4.0	0.4	
7	1.0	2.0	0.2	
8	1.0	3.0	0.3	
9	1.0	2.0	0.2	
10	1.0	2.0	0.2	
11	2.0	3.0		0.7
TOTAL ROUNDS TO			4.0	1.0

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



DATE OF SURVEY: 02-20-26
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

DECK SLAB REPAIR
(FULL DEPTH TYPE I)
4 SQ YD

DECK SLAB REPAIR
(FULL DEPTH TYPE II)
1 SQ YD

PLOT DATE	USER NAME = jessica.hille		DESIGNED - D. Lane	REVISED -
			DRAWN - D. Lane	REVISED -
			CHECKED - L. Hille	REVISED -
	DATE = 6/2/2026		DATE - February 2026	REVISED -

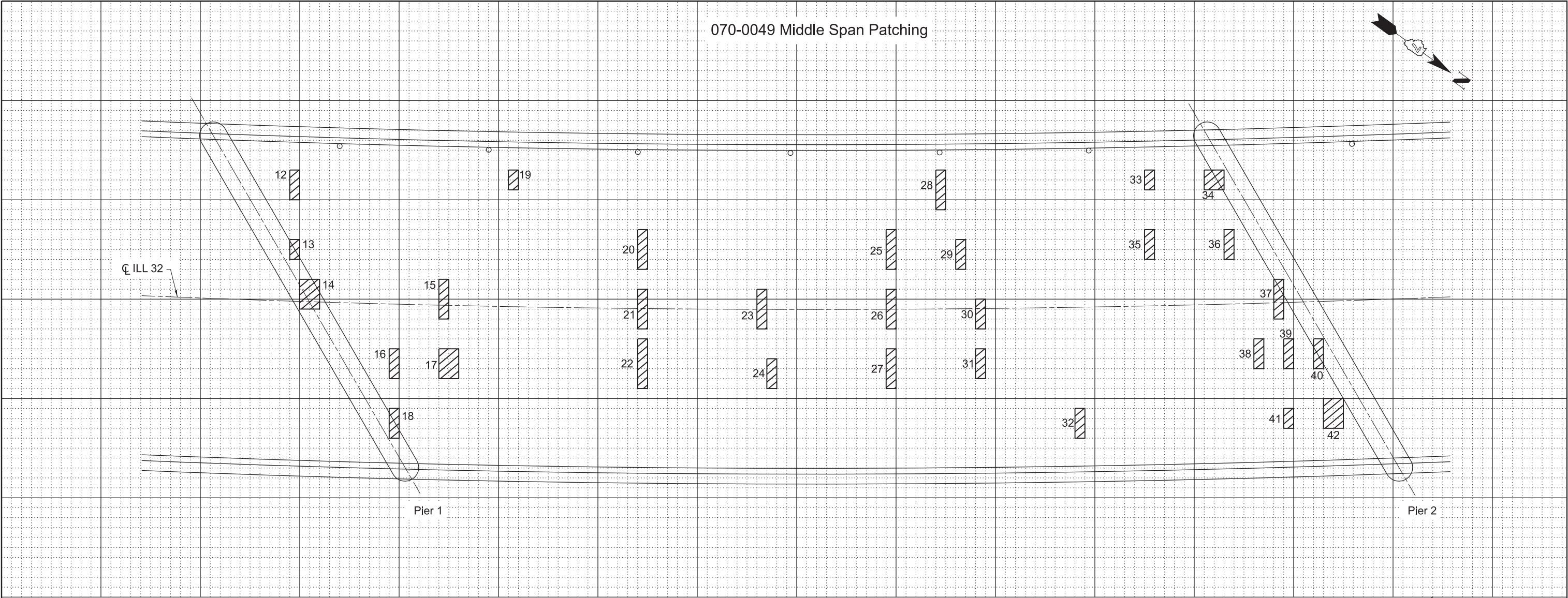
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 070-0049

SCALE: SHEET 9 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	29
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

MODEL: 070-0049 Sheet 10 (Sheet)
FILE NAME: c:\pw_work\work\070-0049 Bridge Repair Sheets.dgn



PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
NO.	LENGTH	WIDTH	SQ YD	SQ YD
12	1.0	3.0	0.3	
13	1.0	2.0	0.2	
14	2.0	3.0		0.7
15	1.0	4.0	0.4	
16	1.0	3.0	0.3	
17	2.0	3.0		0.7
18	1.0	3.0	0.3	
19	1.0	2.0	0.2	
20	1.0	4.0	0.4	
21	1.0	4.0	0.4	
22	1.0	5.0	0.6	
23	1.0	4.0	0.4	
24	1.0	3.0	0.3	
25	1.0	4.0	0.4	
26	1.0	4.0	0.4	
27	1.0	4.0	0.4	
28	1.0	4.0	0.4	
29	1.0	3.0	0.3	

PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
NO.	LENGTH	WIDTH	SQ YD	SQ YD
30	1.0	3.0	0.3	
31	1.0	3.0	0.3	
32	1.0	3.0	0.3	
33	1.0	2.0	0.2	
34	2.0	2.0	0.4	
35	1.0	3.0	0.3	
36	1.0	3.0	0.3	
37	1.0	4.0	0.4	
38	1.0	3.0	0.3	
39	1.0	3.0	0.3	
40	1.0	3.0	0.3	
41	1.0	2.0	0.2	
42	2.0	3.0		0.7
TOTAL ROUNDS TO			10.0	2.0

Note: A quantity of 8 SQ YD of Deck Slab Repair (Full Depth, Type II) has been added for any unpredicted repair locations throughout the bridge deck. Exact locations shall be determined by the Engineer.

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



DATE OF SURVEY: 02-20-26
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

DECK SLAB REPAIR
(FULL DEPTH TYPE I)
10 SQ YD

DECK SLAB REPAIR
(FULL DEPTH TYPE II)
2 SQ YD

PLOT DATE = 6/2/2026	USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
		DRAWN - D. Lane	REVISED -
		CHECKED - L. Hille	REVISED -
		DATE - February 2026	REVISED -

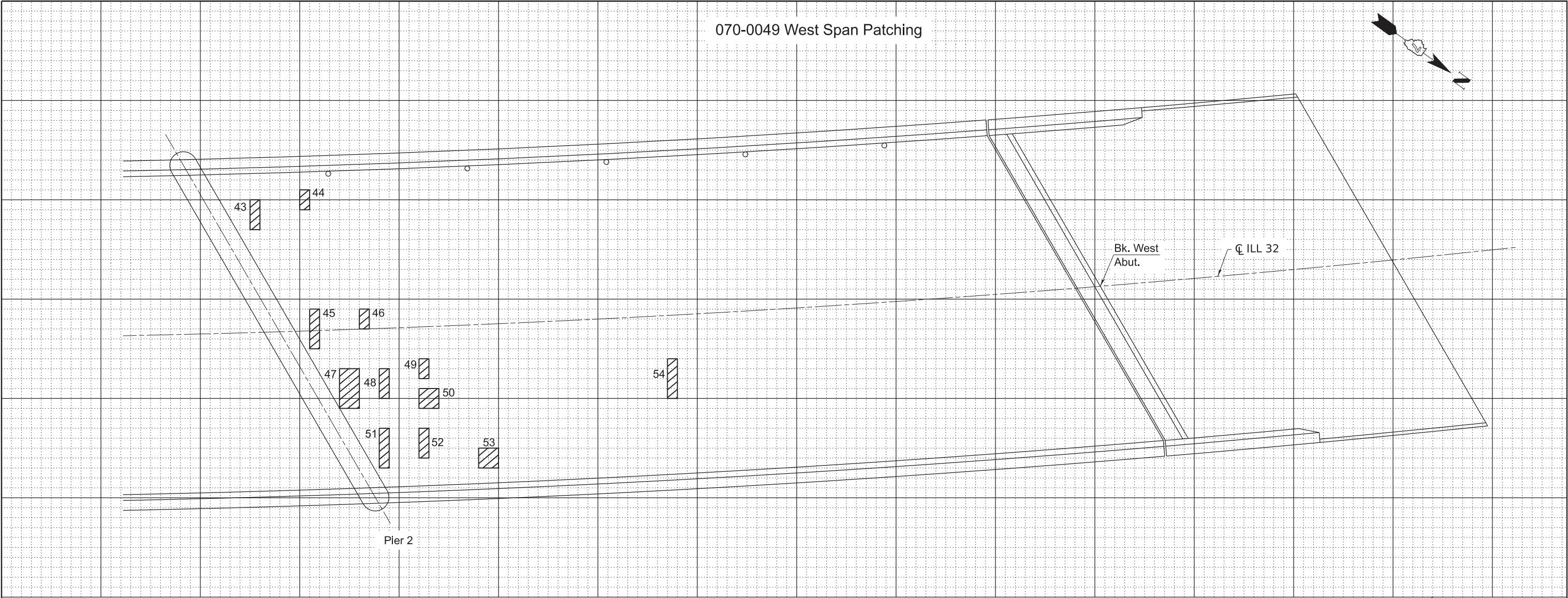
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 070-0049

SCALE: SHEET 10 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	30
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

MODEL: 070-0049 Sheet 11 [Sheet]
FILE NAME: c:\pw_work\work\070-0049 Bridge Repair Sheets.dgn



PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
	NO.	LENGTH	WIDTH	SQ YD
	43	1.0	3.0	0.3
	44	1.0	2.0	0.2
	45	1.0	4.0	0.4
	46	1.0	2.0	0.2
	47	2.0	4.0	0.9
	48	1.0	3.0	0.3
	49	1.0	2.0	0.2
	50	2.0	2.0	0.4
	51	1.0	4.0	0.4
	52	1.0	3.0	0.3
	53	2.0	2.0	0.4
	54	1.0	4.0	0.4
TOTAL ROUNDS TO			4.0	1.0

Note: A quantity of 8 SQ YD of Deck Slab Repair (Full Depth, Type II) has been added for any unpredicted repair locations throughout the bridge deck. Exact locations shall be determined by the Engineer.

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



DATE OF SURVEY: 02-20-26
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

DECK SLAB REPAIR
(FULL DEPTH TYPE I)
4 SQ YD

DECK SLAB REPAIR
(FULL DEPTH TYPE II)
1 SQ YD

USER NAME	= jessica.hille	DESIGNED	- D. Lane	REVISED	-
		DRAWN	- D. Lane	REVISED	-
		CHECKED	- L. Hille	REVISED	-
PLOT DATE	= 6/2/2026	DATE	- February 2026	REVISED	-

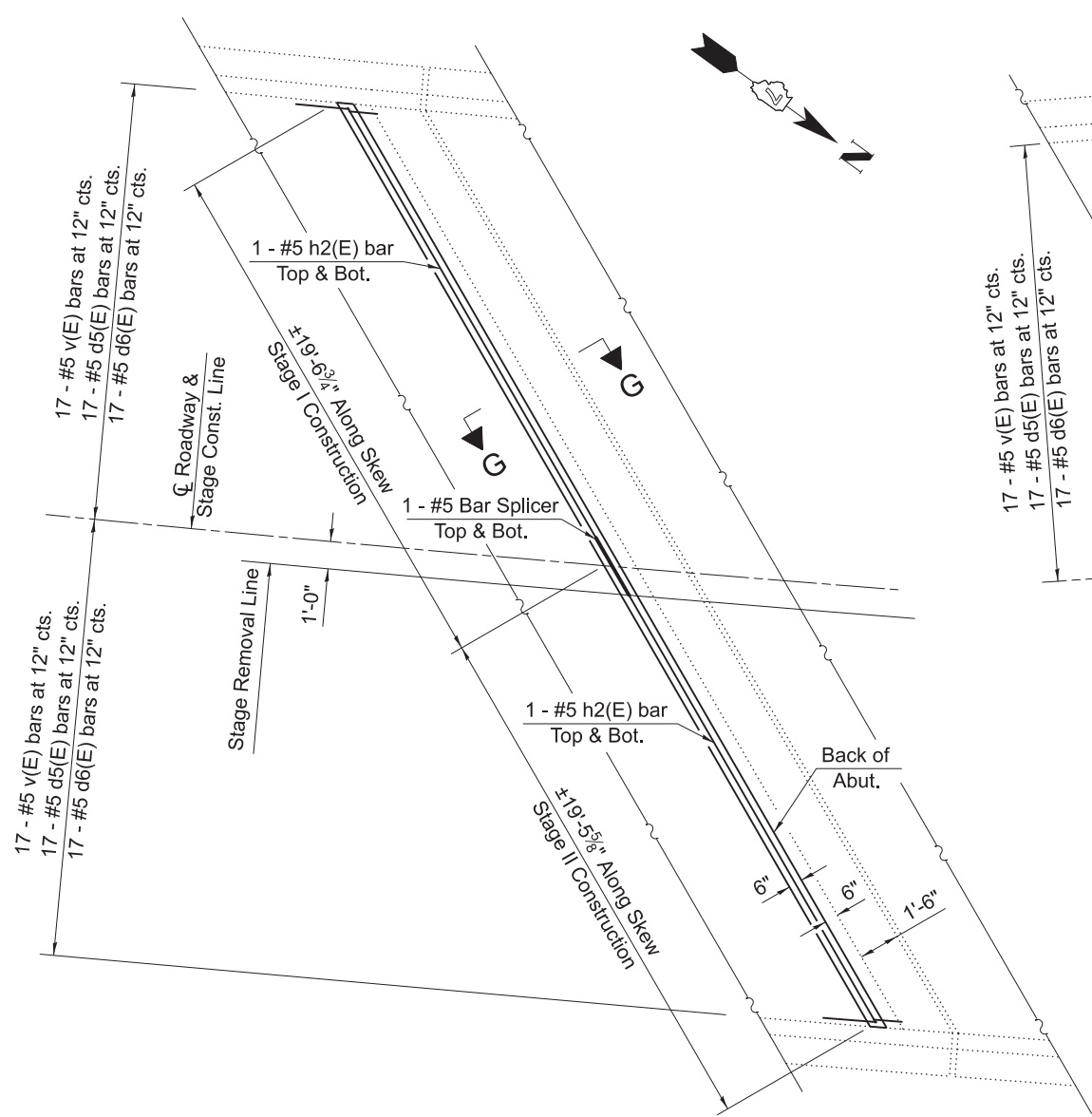
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 070-0049

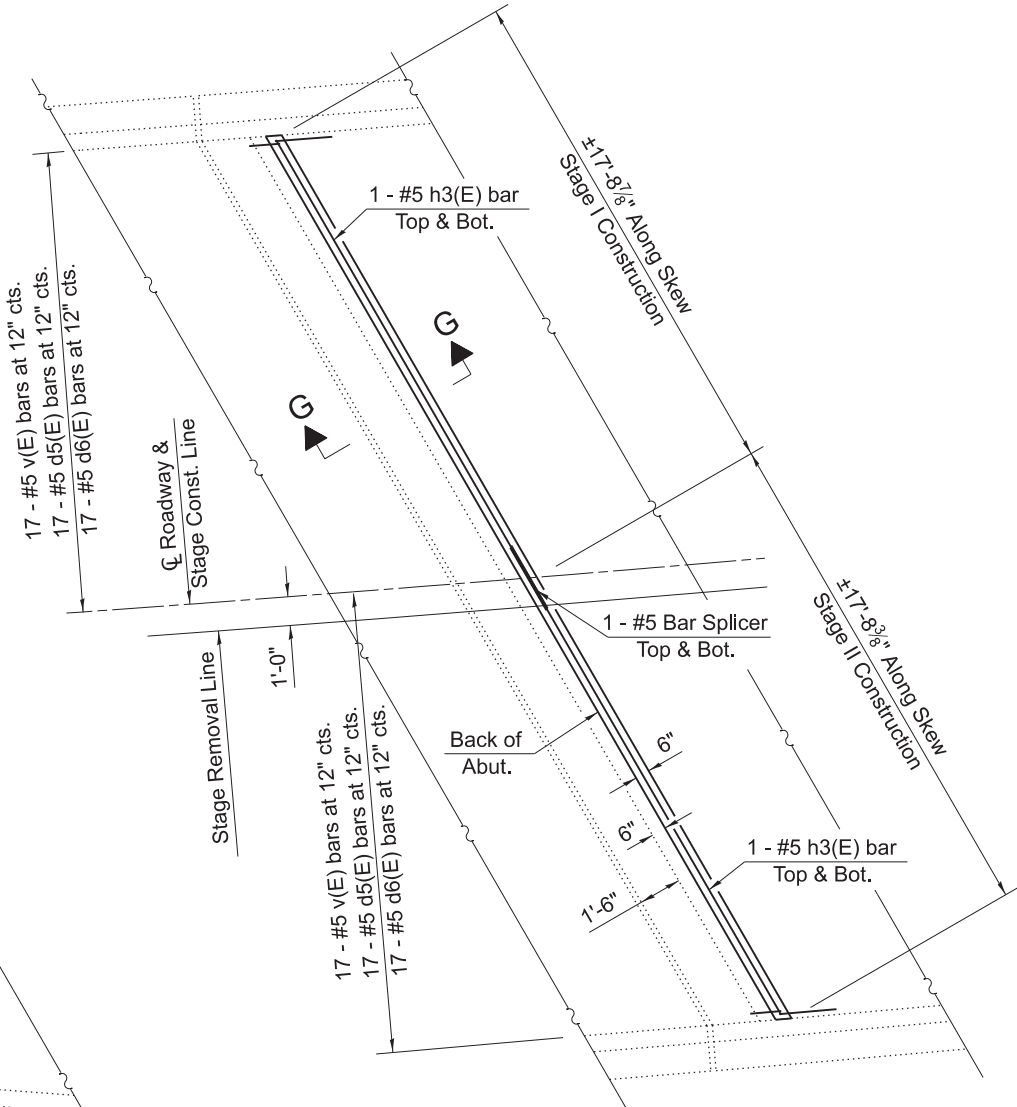
SCALE: SHEET 11 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	31
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

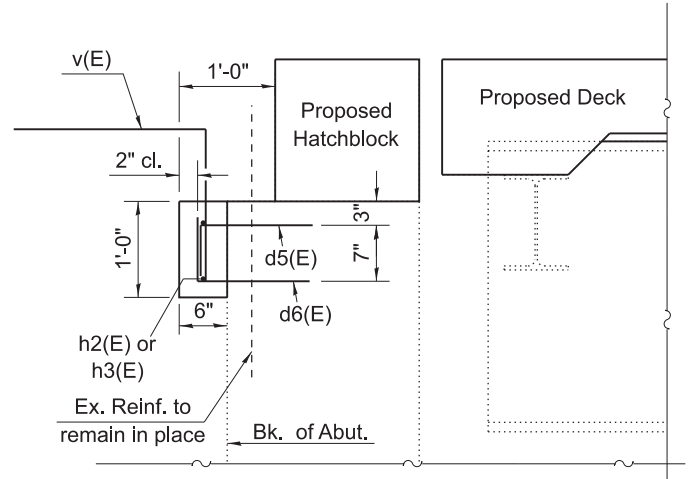
MODEL: 070-0049 Sheet 12 (Sheet)
FILE NAME: c:\pw_work\project\illjlad1129777\070-0049 Bridge Repair Sheets.dgn



PROPOSED CORBEL PLAN
East Joint



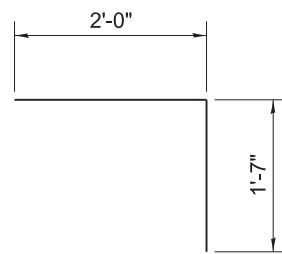
PROPOSED CORBEL PLAN
West Joint



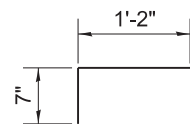
SECTION G-G

Notes:

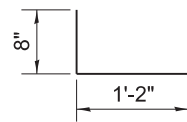
- Epoxy grout d5(E) & d6(E) bars in 9" min. holes according to Article 584 of the Standard Specifications
- Abutment corbel concrete shall be paid for as Concrete Structures.
- Cost of excavation for abutment corbel included with Concrete Structures.



BAR v(E)



BAR d5(E)



BAR d6(E)

BILL OF MATERIALS

Bar	No.	Size	Length	Shape
d5(E)	68	#5	1'-9"	
d6(E)	68	#5	1'-10"	
h2(E)	4	#5	19'-1"	
h3(E)	4	#5	17'-4"	
v(E)	68	#5	3'-7"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	1.4
Reinforcement Bars, Epoxy Coated			Pound	670
Bar Splicers			Each	4

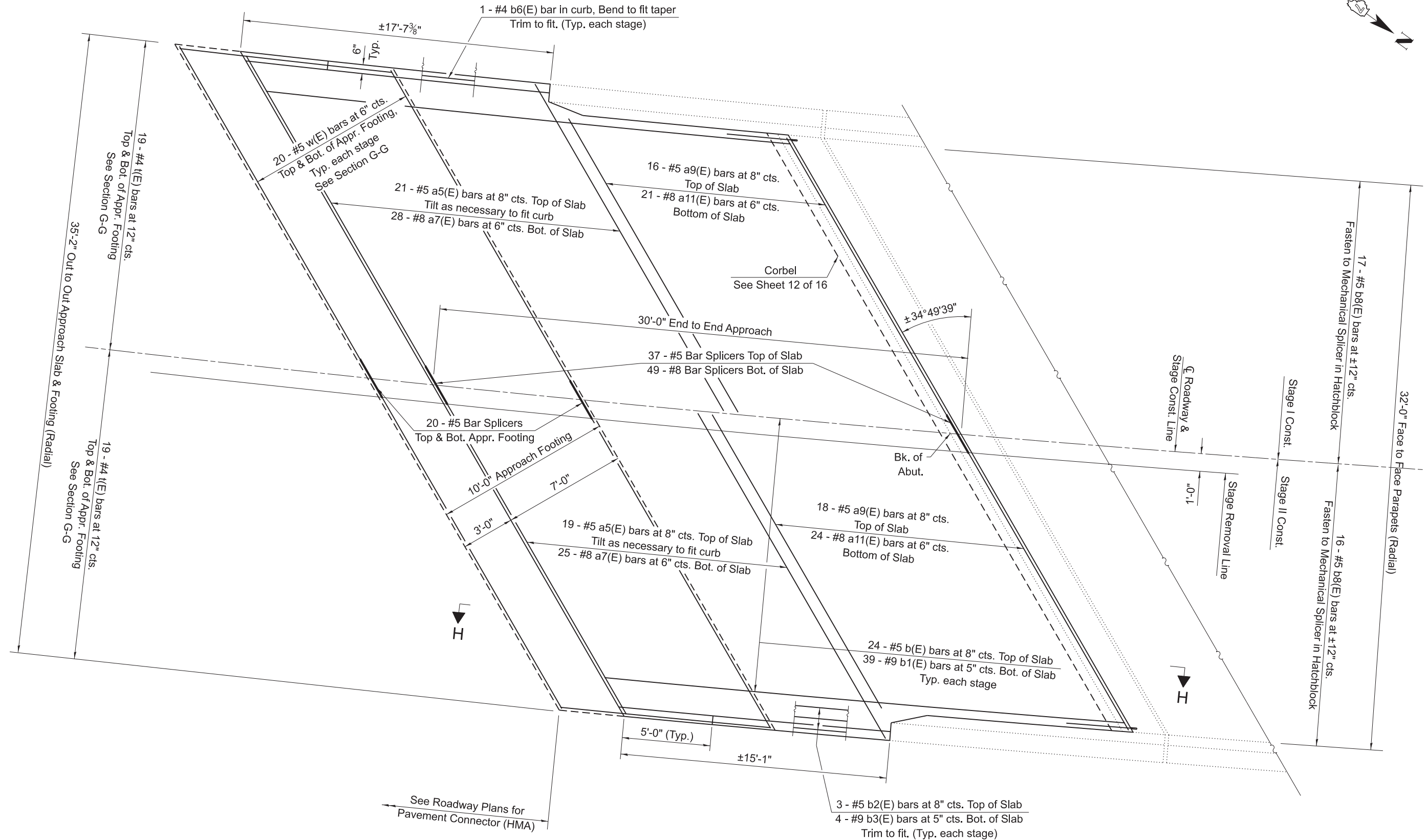
USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 6/2/2026	DATE - February 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT MODIFICATIONS
S.N. 070-0049

SCALE: SHEET 12 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	32
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				



EAST APPROACH PLAN

MODEL: 070-0049 Sheet 13 (Sheet)
FILE NAME: c:\paw_work\project\illjlad1129777\070-0049 Bridge Repair Sheets.dgn

USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 6/2/2026	DATE - February 2026	REVISED -

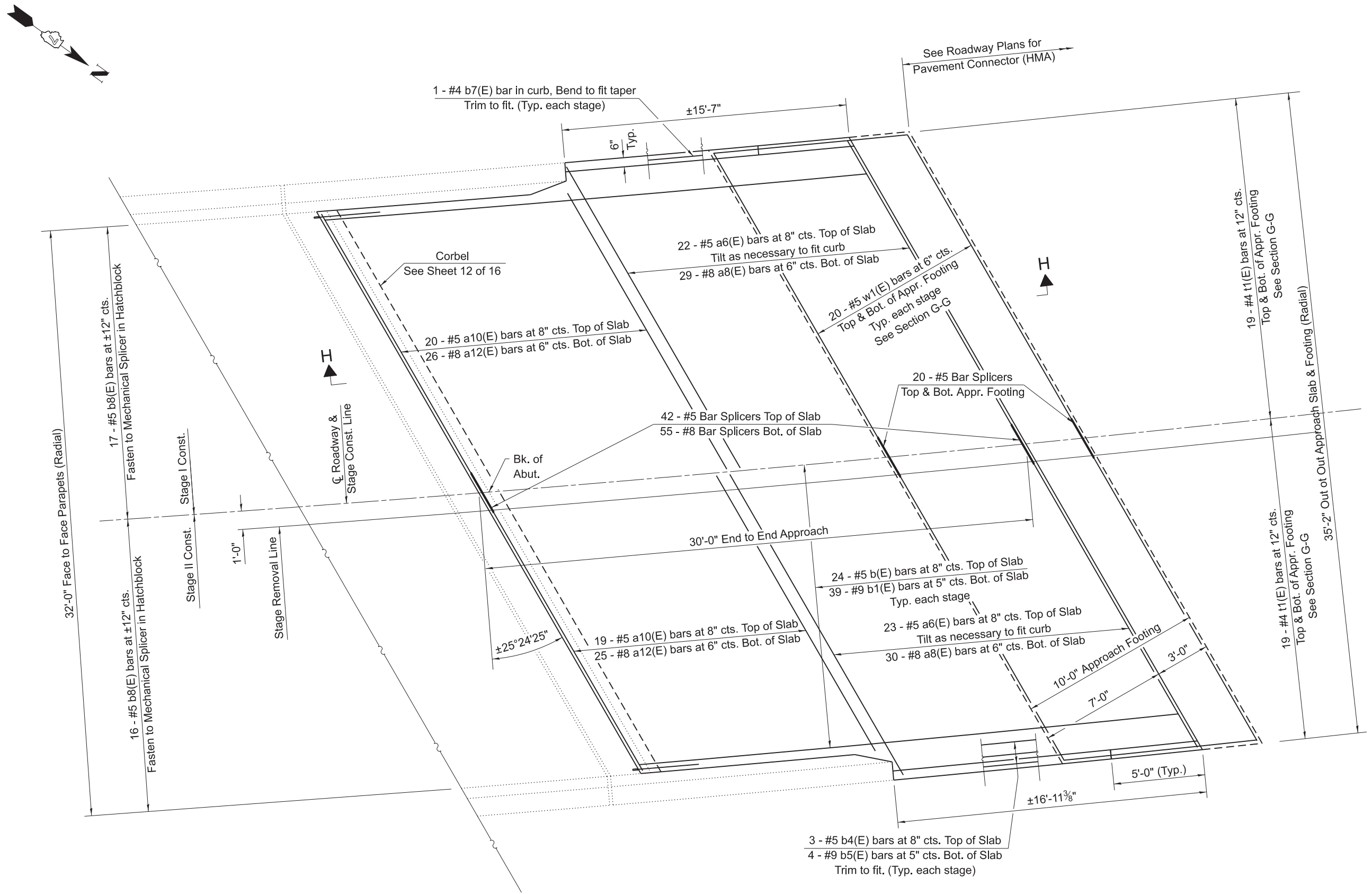
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS - SHEET 1 OF 3
S.N. 070-0049

SCALE: SHEET 13 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	33
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

MODEL: 070-0049 Sheet 14 (Sheet)
FILE NAME: c:\pw_work\project\illjlad1129777\070-0049 Bridge Repair Sheets.dgn



WEST APPROACH PLAN

USER NAME	= jessica.hille	DESIGNED	- D. Lane	REVISED	-
		DRAWN	- D. Lane	REVISED	-
		CHECKED	- L. Hille	REVISED	-
PLOT DATE	= 6/2/2026	DATE	- February 2026	REVISED	-

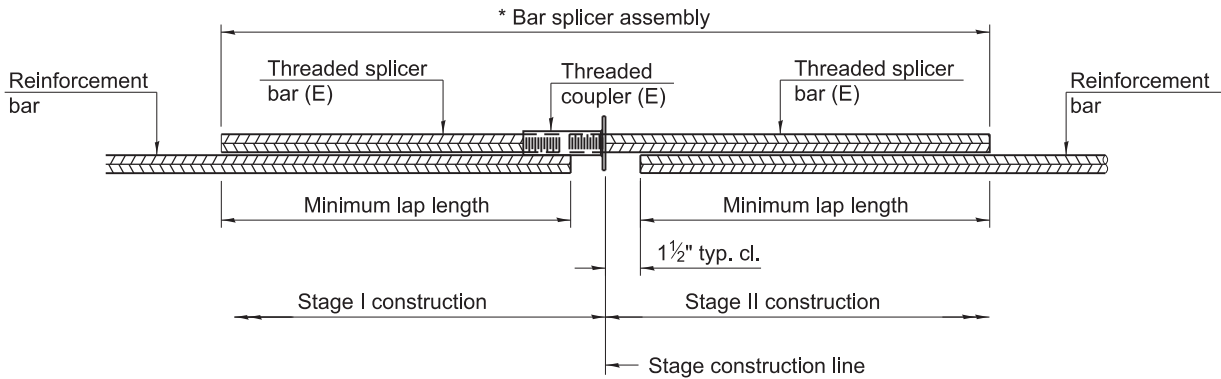
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS - SHEET 2 OF 3

SCALE: SHEET 14 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	34
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				

MODEL: 070-0049 Sheet 16 (Sheet)
FILE NAME: c:\pw_work\project\illjlad1129777\070-0049 Bridge Repair Sheets.dgn



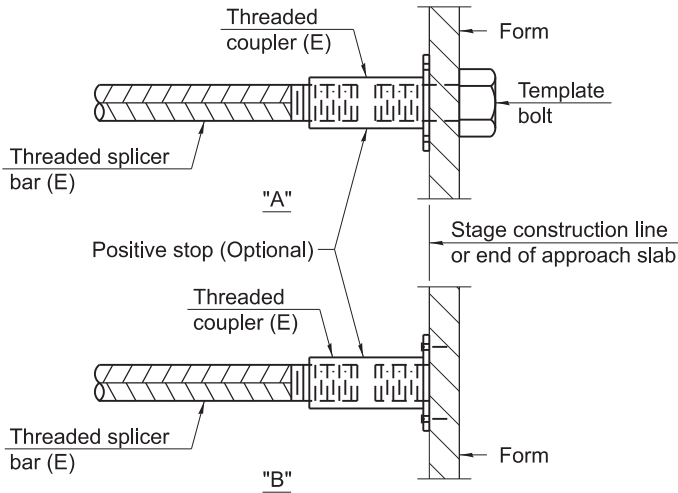
STANDARD BAR SPLICER ASSEMBLY PLAN

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	26	3'-10"
Hatch Block	#6	10	4'-5"
Corbel	#5	4	3'-0"
Approach	#5	79	2'-0"
Approach	#8	104	5'-2"
Approach Footing	#5	80	2'-1"

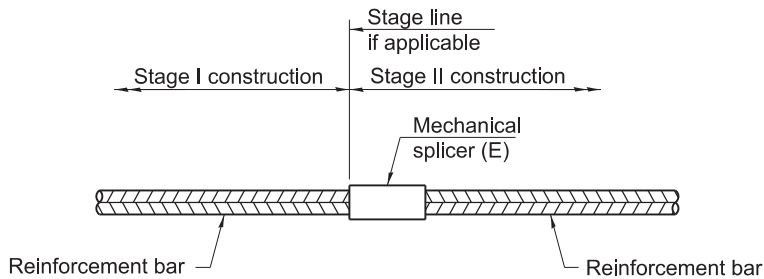


INSTALLATION AND SETTING METHODS

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

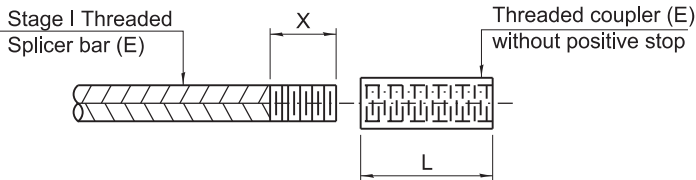
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar Size	No. assemblies required
Hatch Block	#5	66



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.

BSD-1

4-4-2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
S.N. 070-0049

SCALE: SHEET 16 OF 16 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	D7 BRIDGE REPAIRS 2027-4	MOULTRIE	36	36
CONTRACT NO. 74D73				
ILLINOIS FED. AID PROJECT				