

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

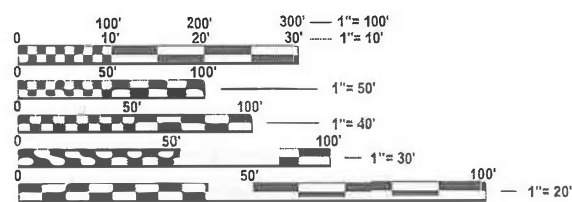
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	1
ILLINOIS CONTRACT NO. 74B78				

FOR INDEX OF SHEETS, SEE SHEET NO. 2
ADT = 2,750 (2023)

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 823 (ILL 15)
SECTION: D7 BRIDGE REPAIRS 2026-1
PROJECT: NHPP-5J54(306)
**BRIDGE DECK OVERLAY, BRIDGE JOINT REPLACE/REPAIR,
BRIDGE DECK REPAIRS**
WAYNE COUNTY

C-97-024-23

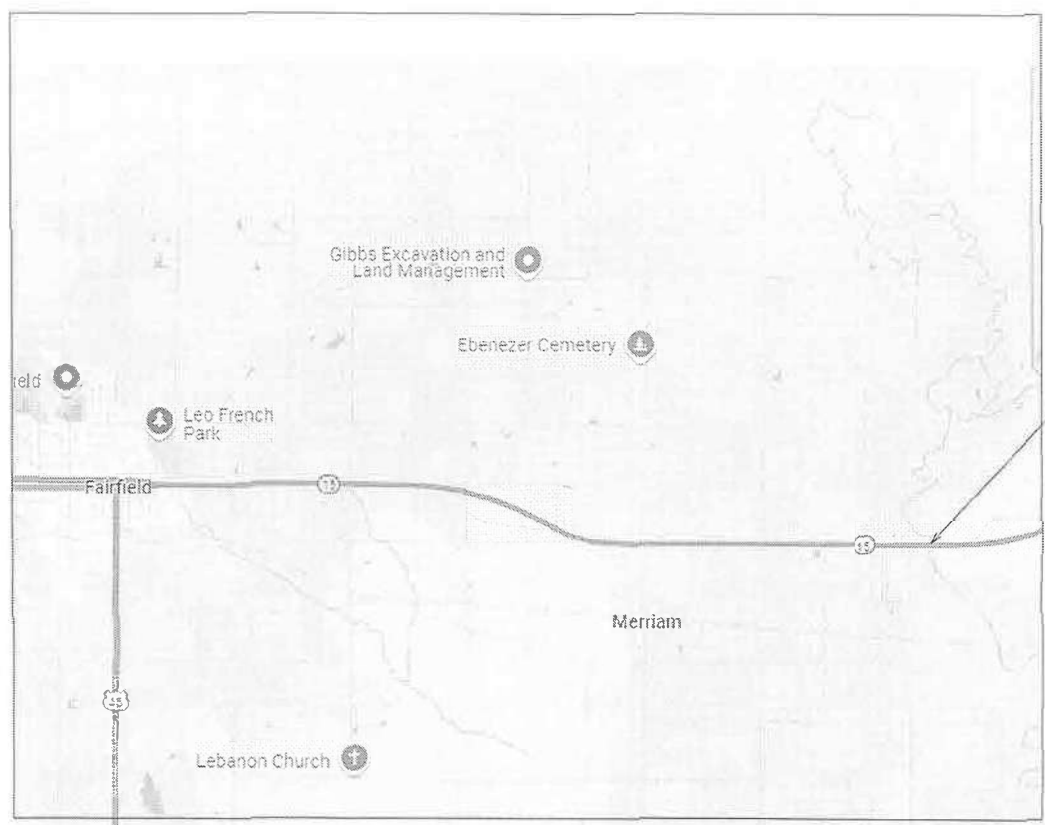


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BEN DETERS
PROJECT MANAGER: KYLE PRICE

CONTRACT NO. 74B78



PROJECT LOCATION
SN: 096-0010

LENGTH = 1,156.44 FT. = 0.21 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 15 2025
Teresa C. Puzella
REGIONAL ENGINEER

October 3 2025
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

October 3 2025
John J. Barry
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	PLAN SHEET
2	GENERAL NOTES, INDEX, STANDARDS
3-4	SUMMARY OF QUANTITIES
5	TYPICAL SECTION
6-7	SCHEDULE OF QUANTITIES
8-9	PCC BASE COURSE WIDENING
10-11	APPROACH PAVEMENT
12-19	STAGE PLAN VIEWS
20-53	BRIDGE REPAIR PLANS
54-57	PAVEMENT MARKING DETAILS (D7 DETAIL No. 78000001)

GENERAL NOTES

THIS PROJECT IS LOCATED ON FAP ROUTE 823 (ILL 15) IN WAYNE COUNTY, AT LITTLE WABASH RIVER 0.3 MILE EAST OF COUNTY ROAD 2500 EAST. THE WORK INCLUDED IN SECTION D7 BRIDGE REPAIRS 2026-1 CONSISTS OF BRIDGE DECK OVERLAY, BRIDGE DECK REPAIRS, APPROACH SLAB REPLACEMENT AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIAL. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH STAGE I & II OF STANDARD 701321 SHALL BE COVERED WITH PAVEMENT MARKING BLACKOUT TAPE, 5".

STD. NO. DESCRIPTION

000001 - 08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001 - 10	PAVEMENT JOINTS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
701001 - 02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006 - 05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011 - 04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201 - 05	LANE CLOSURE, 2L, 2W, 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
701326 - 04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901 - 10	TRAFFIC CONTROL DEVICES
704001 - 08	TEMPORARY CONCRETE BARRIER
780001 - 05	TYPICAL PAVEMENT MARKINGS
782006 - 01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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?)
PAVEMENT CONNECTOR	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA	3000	N/A

MODEL: Gen Notes [Sheet]
FILE NAME: c:\pawork\wv\wv\ill\illad\1035693\D774B78-shit-Gennotes.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS STANDARDS, & MIX DESIGN			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	2
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:		SHEET 1	OF 1	SHEETS	STA.	TO STA.		

MODEL: SOQ-1 [Sheet]
FILE NAME: c:\pwwork\hillejad\1035693\0774B78-shit-SOQ.dgn

				80% FED 20% STATE
				CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0047
				RURAL
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	186	186
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	180	180
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400	400
40600990	TEMPORARY RAMP	SQ YD	33.4	33.4
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	39.2	39.2
44004250	PAVED SHOULDER REMOVAL	SQ YD	186	186
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	8.5	8.5
50102400	CONCRETE REMOVAL	CU YD	41.2	41.2
50300225	CONCRETE STRUCTURES	CU YD	8.6	8.6
50300255	CONCRETE SUPERSTRUCTURE	CU YD	45.9	45.9
50300300	PROTECTIVE COAT	SQ YD	4132	4132
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7250	7250
50800515	BAR SPLICERS	EACH	134	134
52000110	PREFORMED JOINT STRIP SEAL	FOOT	241	241

				80% FED 20% STATE
				CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0047
				RURAL
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
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	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	3138	3138
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	668	668
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1530	1530
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1800	1800
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1800	1800
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2

	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 -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	3
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:		SHEET 1	OF 2	SHEETS	STA.	TO STA.		

MODEL: SOQ - 2 (Sheet)
FILE NAME: c:\paw\work\willillejad\1035693\0774B78-shit-SOQ.dgn

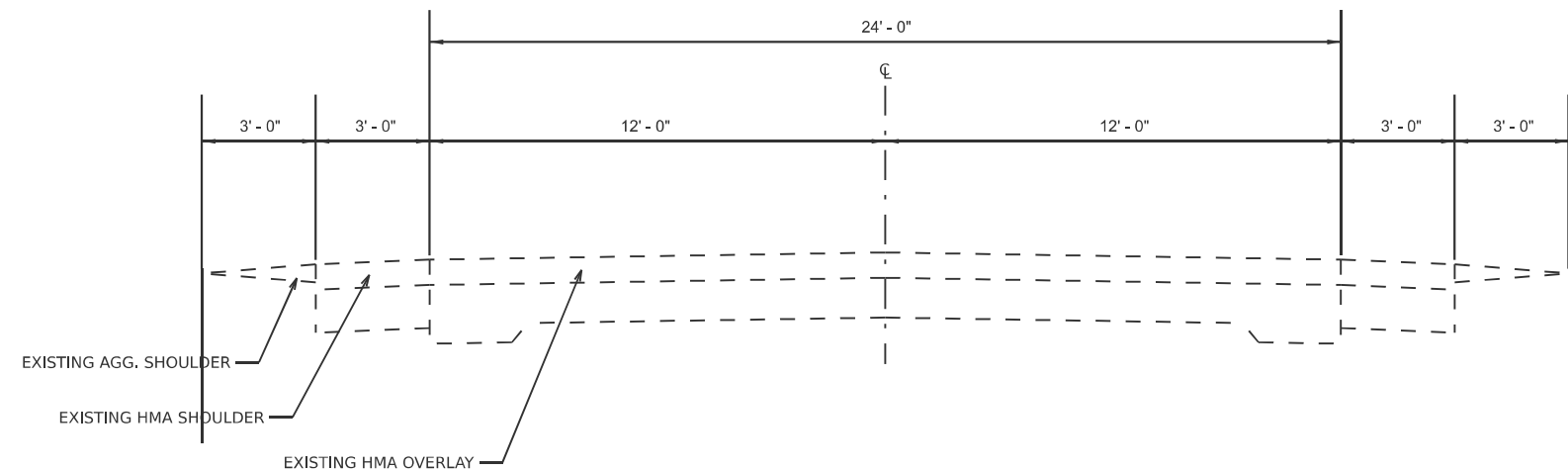
80% FED
20% STATE

				CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0047
				RURAL
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2877	2877
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3058	3058
X5230172	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	56	56
Z0012111	BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/2"	SQ YD	3986	3986
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3986	3986
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	84	84
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	38	38
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	20	20
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	3598	3598

* SPECIALTY ITEM

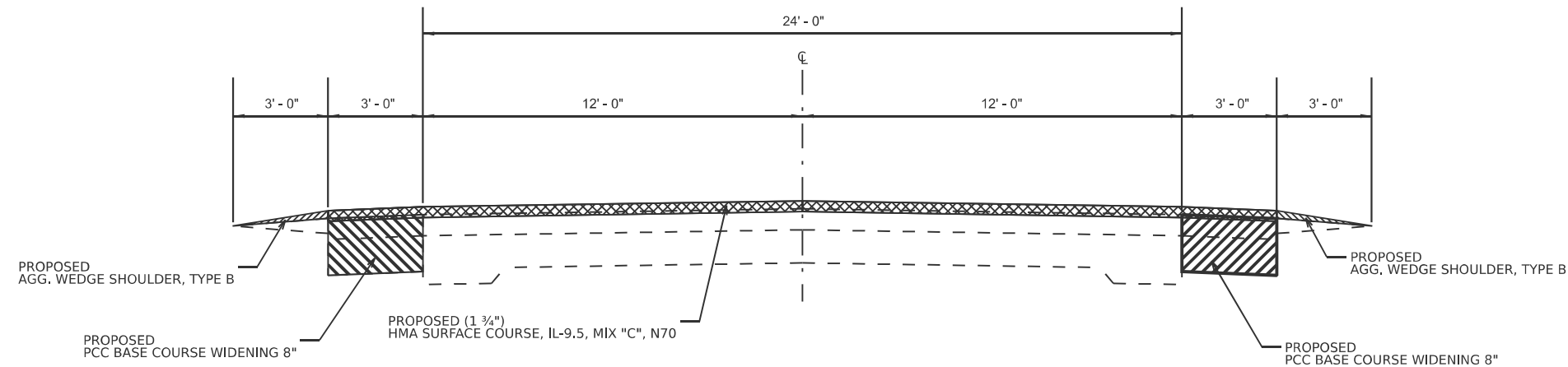
	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						823	D7 BRIDGE REPAIRS 2026-1		WAYNE	57	4	
		CHECKED -	REVISED -						CONTRACT NO. 74B78						
	PLOT DATE = 8/18/2025	DATE -	REVISED -						SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	
									ILLINOIS		FED. AID PROJECT				

EXISTING CROSS-SECTION



STATION 484+39.88 TO 484+99.88
BRIDGE OMMITTED
STATION 496+56.24 TO 497+22.76

PROPOSED CROSS-SECTION



STATION 484+39.88 TO 484+99.88
BRIDGE OMMITTED
STATION 496+56.24 TO 497+22.76

MODEL: X-Section - 1 [Sheet]
FILE NAME: c:\p\work\widothillead\1035693\0774B78-shit-X-Section.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	X-SECTION			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	5
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

TEMP. CONCRETE BARRIER

STATION	TO	STATION	LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	NOTES
				70400100	70400200	70600250	70600350	
				FT	FT	EACH	EACH	
482+52		496+56	CL	1562.5	1562.5	1	1	STAGE 1 & 2 (110 PCS)
STA EQ. 496+56.48 BK = 496+63.00 AH								
496+63		499+01	CL	237.5	237.5	1	1	STAGE 1 & 2 (19 PCS)
TOTALS				1800.0	1800.0	2	2	

PAVEMENT MARKINGS

STATION	TO	STATION	LOCATION	PAVEMENT MARKING BLACKOUT TAPE, 5"	SHORT TERM PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING	PAINT PAVEMENT MARKING - LINE 4"	TEMPORARY RUMBLE STRIPS	TEMPORARY BRIDGE TRAFFIC SIGNALS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	NOTES
				70107005	70300150	70300100	78001110	70106700	70106500	78300200	
				FT	SQ FT	FT	FT	EACH	EACH	EACH	
481+31		483+58	CENTERLINE	60	25						SKIPS
498+05		500+38	CENTERLINE	60	25						SKIPS
483+27		498+36	EOP LT	1509	629						STAGE 1
483+27		498+36	EOP RT	1509	629						STAGE 2
484+39.88		496+56.48	CENTERLINE		81	243	304			2	SKIPS
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		497+22.76	CENTERLINE		5	16	20			2	SKIPS
484+39.88		496+56.48	EOP RT		65	195	1217				EDGE
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		497+22.76	EOP RT		3	10	60				EDGE
484+39.88		496+56.48	EOP LT		65	195	1217				EDGE
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		497+22.76	EOP LT		3	10	60				EDGE
			EAST END					3			
			WEST END					3			
									1		
TOTALS				3138	1530	668	2877	6	1	4	

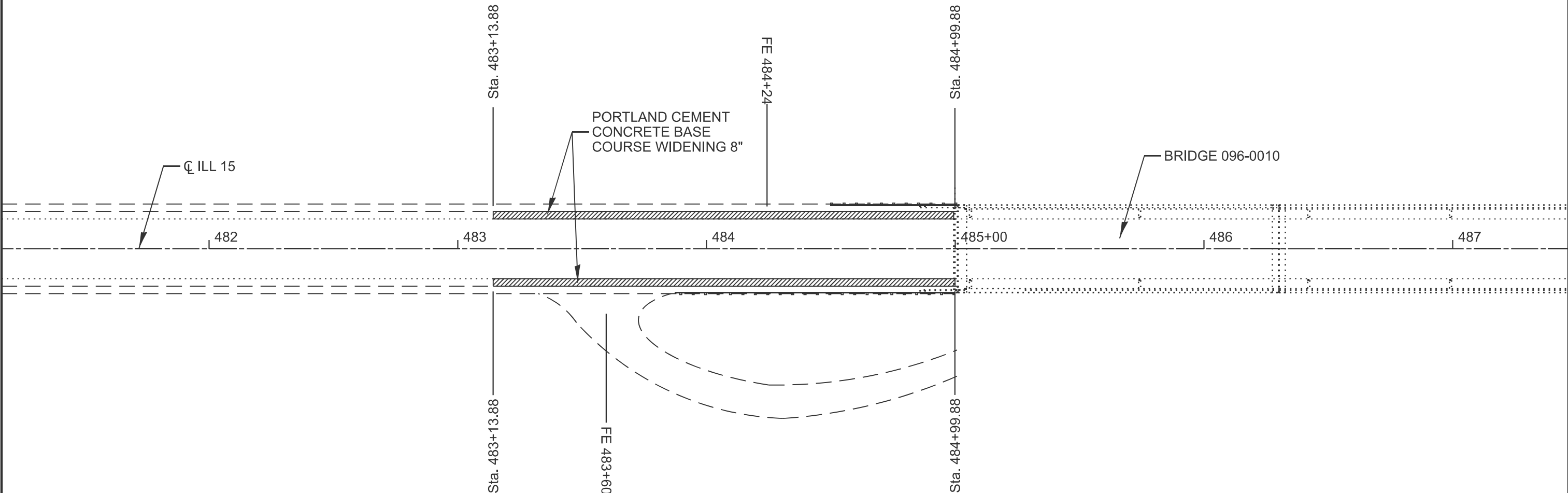
MODEL: Schedule Qty - 1 [Sheet]
FILE NAME: c:\paw_work\work\hillejad\1035693\0774B78-shit-Schedule.dgn

BASE COURSE WIDENING / BUTT JOINT

STATION	TO	STATION	LOCATION	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	PAVED SHOULDER REMOVAL	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C" N70 (1.75" LIFT)	TEMPORARY RAMP	AGGREGATE WEDGE SHOULDER, TYPE B	NOTES
				35400300	44004250	40600290	40600982	40604052	40600990	48102100	
				SQ YD	SQ YD	POUND	SQ YD	TON	SQ YD	TON	
483+13.88		484+99.88	LT SHOULDER	62.0	62.0						
483+13.88		484+99.88	RT SHOULDER	62.0	62.0						
496+56.25		496+56.48	LT SHOULDER	0.1	0.1						
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		498+48.77	LT SHOULDER	61.9	61.9						
496+56.25		496+56.48	RT SHOULDER	0.1	0.1						
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		498+48.77	RT SHOULDER	61.9	61.9						
484+39.88		484+99.88	BOTH LANES			90.0	200.0	19.6			PAVEMENT WIDTH 30 FT
496+56.24		496+56.48	BOTH LANES			0.4	0.8	0.1			
STA EQ. 496+56.48 BK = 496+63.00 AH											PAVEMENT WIDTH 30 FT
496+63.00		497+22.76	BOTH LANES			89.6	199.2	19.5			PAVEMENT WIDTH 30 FT
484+39.88		484+99.88	LT SHOULDER							2.1	
496+56.24		496+56.48	LT SHOULDER							0.0	
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		497+22.76	LT SHOULDER							2.1	
484+39.88		484+99.88	RT SHOULDER							2.1	
496+56.24		496+56.48	RT SHOULDER							0.0	
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		497+22.76	RT SHOULDER							2.1	
484+94.88		484+99.88	BOTH LANES						16.7		
496+56.24		496+56.48	BOTH LANES						0.8		
STA EQ. 496+56.48 BK = 496+63.00 AH											
496+63.00		496+67.76	BOTH LANES						15.9		
TOTALS				248.0	248.0	180.0	400.0	39.2	33.4	8.5	

MODEL: Schedule Qty - 2 [Sheet]
FILE NAME: c:\paw_work\widothille\jald1035693\JD774B78-shit-Schedule.dgn

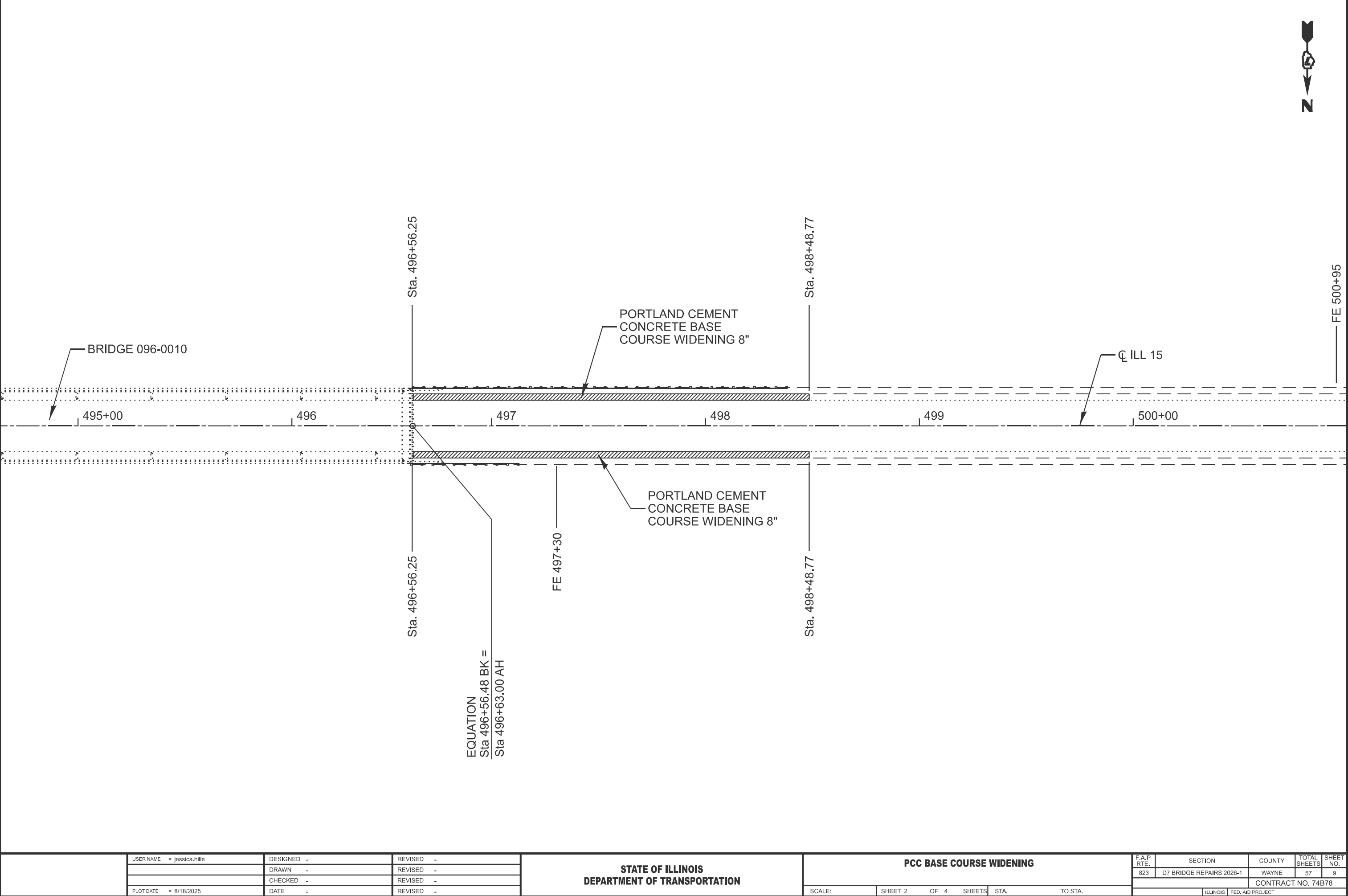
	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	7
		CHECKED -	REVISED -						CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



MODEL: Base Course Widening - 1 [Sheet]
FILE NAME: c:\p\work\wtd\hillej\ad1035693\0774B78-sh1-PCC-BOW.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PCC BASE COURSE WIDENING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	8
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 3	OF 4	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

MODEL: Base Course Widening - 2 [Sheet]
FILE NAME: c:\pw\work\road\hills\ad1035683\0774B78-shit\PCC.BOW.dgn



USER NAME	= jessica.hille	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/18/2025	DATE	-	REVISED	-

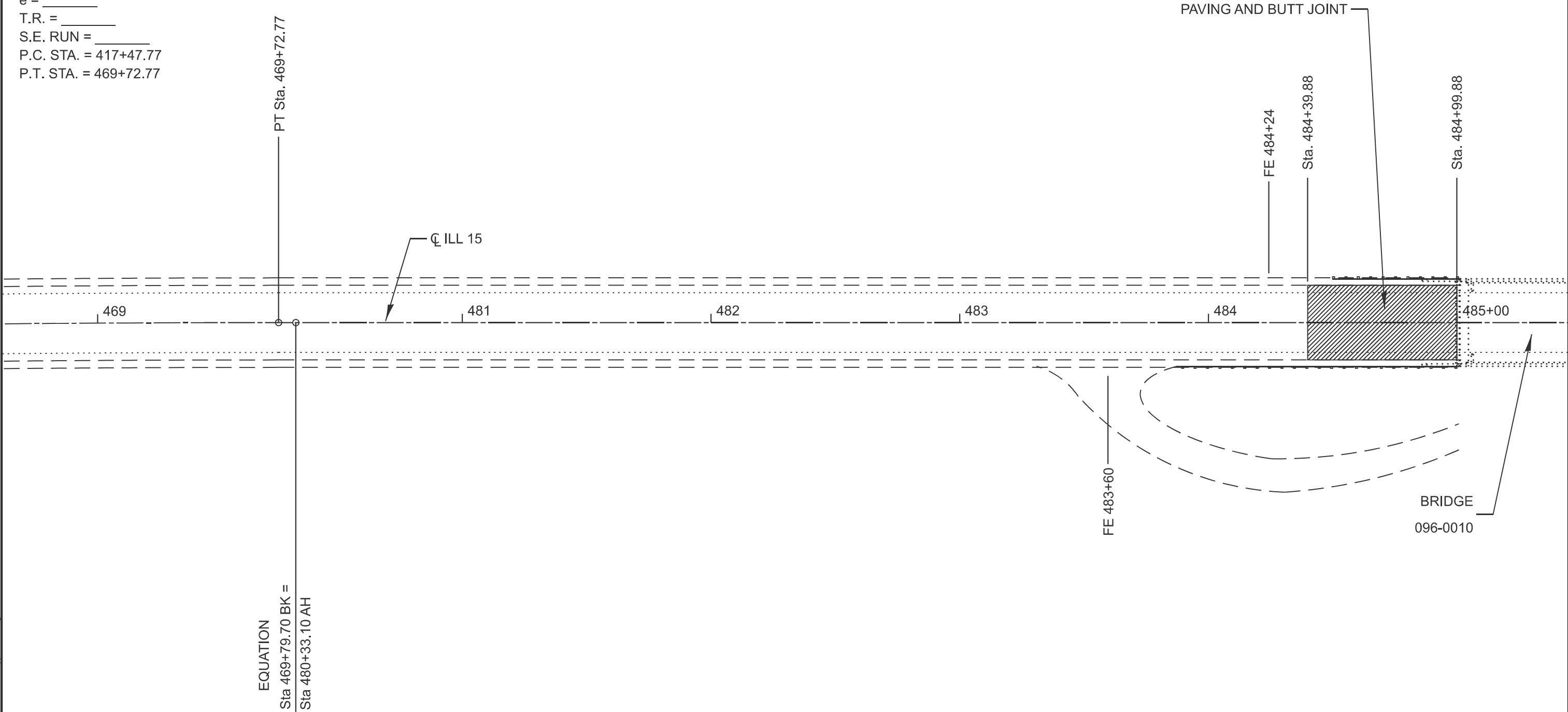
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PCC BASE COURSE WIDENING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	9
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

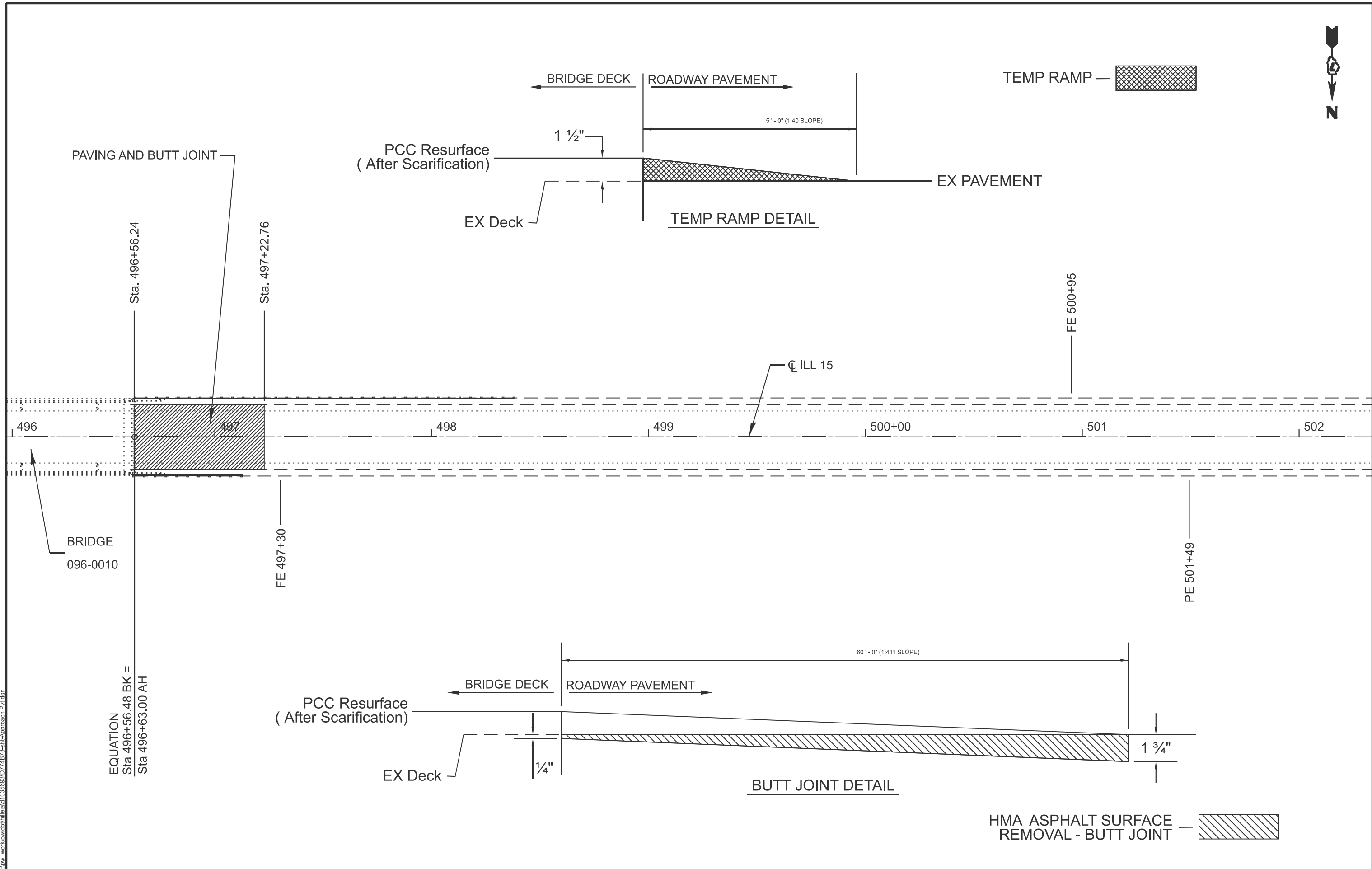
EXISTING CURVE 03
PI STA = 444+00.43
 $\Delta = 24^{\circ} 23' 00''$ (RT)
D = 0° 28' 00"
R = 12,277.67'
T = 2,652.66'
L = 5225.00'
E = 283.29'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 417+47.77
P.T. STA. = 469+72.77



SEE SHEET 11 FOR TEMP RAMP DETAIL
SEE SHEET 11 FOR BUTT JOINT DETAIL

MODEL: APPROACH PVT - 1 [Sheet]
FILE NAME: c:\pwworking\hillead\1035693\074B78-site-Approach Pvd.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	APPROACH PAVEMENT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	10
		CHECKED -	REVISED -				CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 3 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



MODEL: APPROACH PVT - 2 [Sheet]
FILE NAME: c:\p\work\wtk\hille\ad1035693\0774B78-site-Approach Pvd.dgn

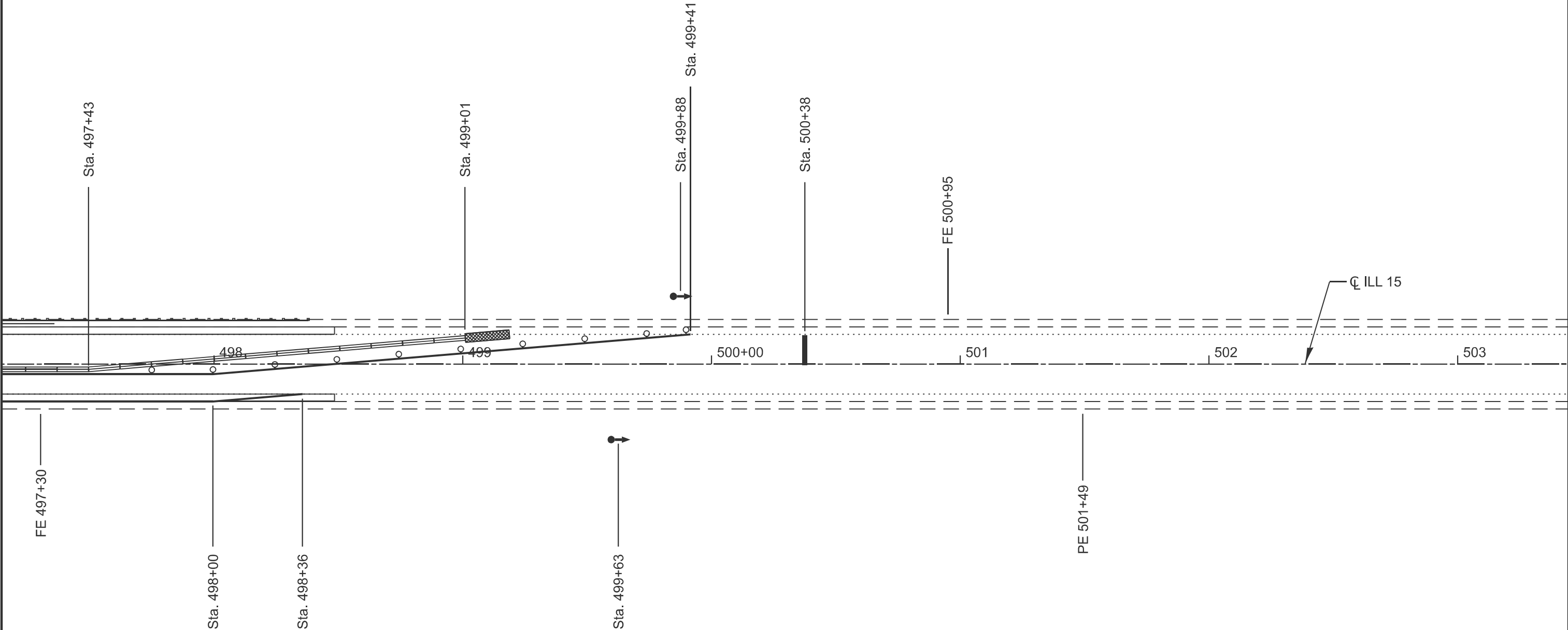
USER NAME	= jessica.hille	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/18/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	11
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

STAGE 2 TRAFFIC CONTROL



- STOP BAR
- DRUM
- DRUM W/ LIGHT
- TEMP. CONC. BARRIER
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR

TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

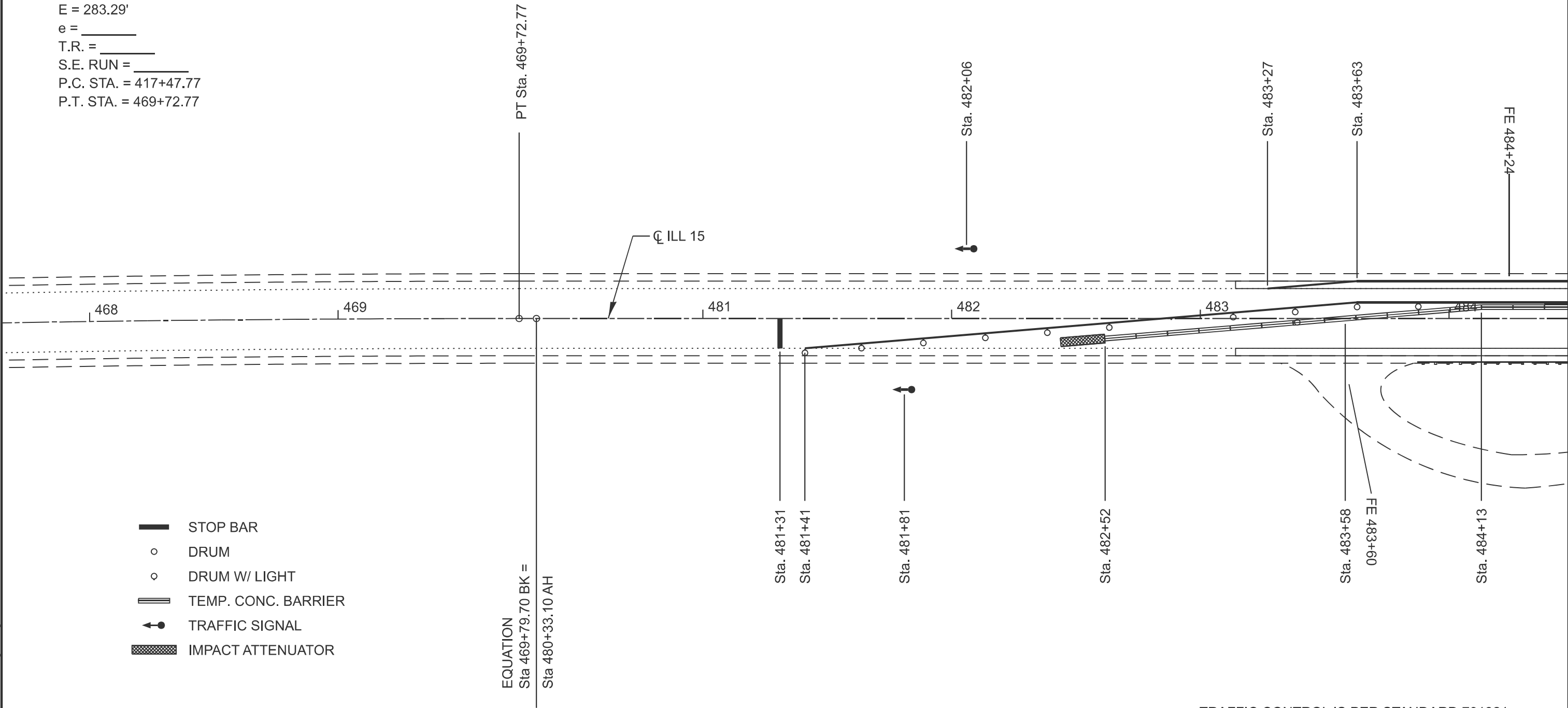
MODEL: Stage 2 TC - 4 [Sheet]
FILE NAME: c:\p\work\hillej\ad1035693\0774B78-sh2-Stage Plan.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE PLAN VIEWS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	19
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

STAGE 1 TRAFFIC CONTROL



EXISTING CURVE 03
PI STA = 444+00.43
 $\Delta = 24^{\circ} 23' 00''$ (RT)
D = 0° 28' 00"
R = 12,277.67'
T = 2,652.66'
L = 5225.00'
E = 283.29'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 417+47.77
P.T. STA. = 469+72.77



TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

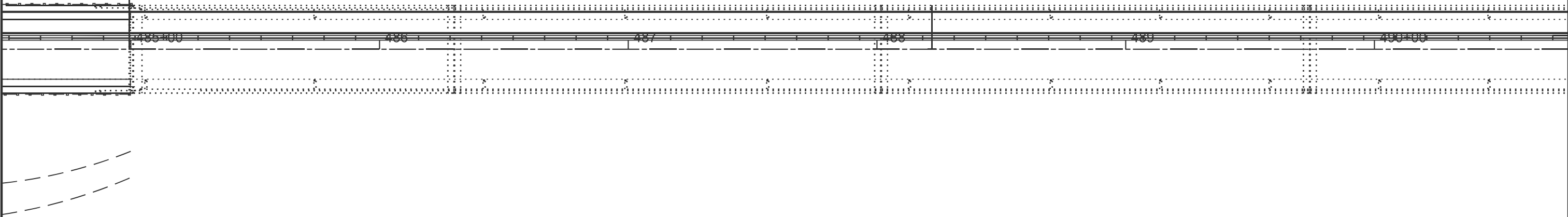
MODEL: Stage 1 TC - 1 [Sheet]
FILE NAME: c:\pwworking\hillejald1035693\0774B78-sh1-Stage Plan.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE PLAN VIEWS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	12
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

STAGE 1 TRAFFIC CONTROL



Back East Abut.
Sta. 484+99.38



- STOP BAR
- DRUM
- DRUM W/ LIGHT
- TEMP. CONC. BARRIER
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR

TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

MODEL: Stage 1 TC - 2 [Sheet]
FILE NAME: c:\pwworking\hillejad\1035693\0774B78-sh1-Stage Plan.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE PLAN VIEWS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	13
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 3	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

STAGE 1 TRAFFIC CONTROL



LITTLE
WABASH
RIVER

LITTLE
WABASH
RIVER

- STOP BAR
- DRUM
- DRUM W/ LIGHT
- TEMP. CONC. BARRIER
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR

Back West Abut.
Sta. 496+56.76

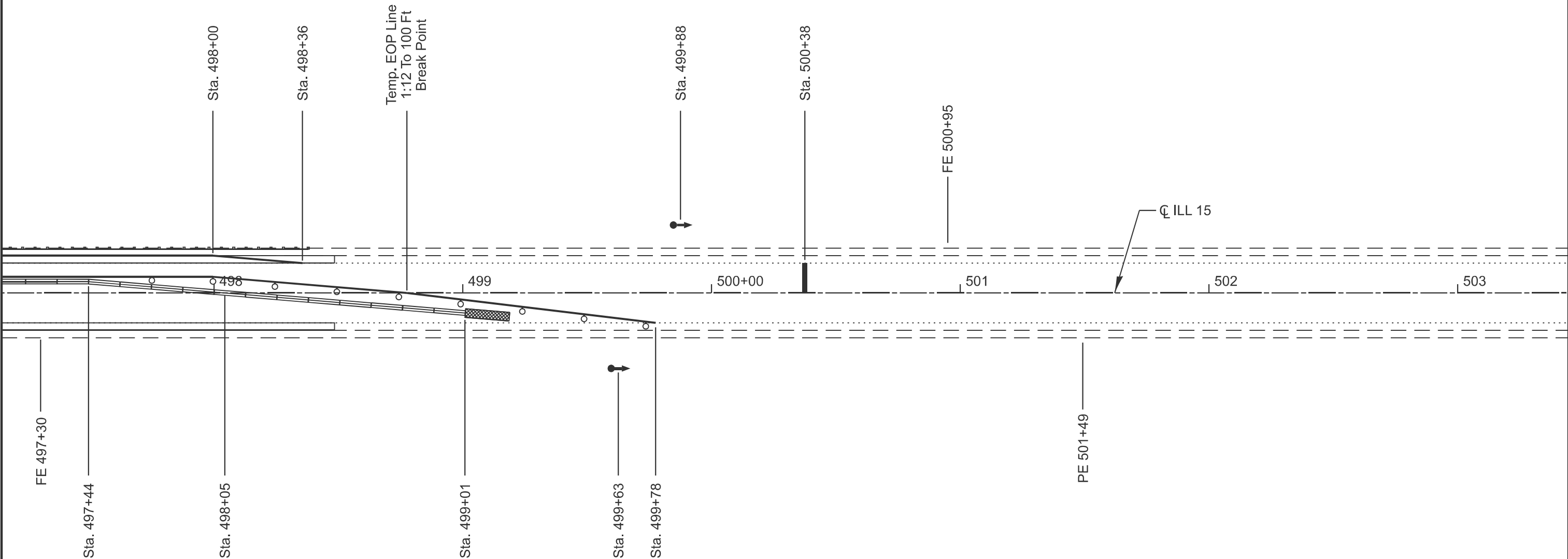
EQUATION
Sta 496+56.48 BK =
Sta 496+63.00 AH

TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

MODEL: Stage 1 TC - 3 (Sheet)
FILE NAME: c:\pwworking\hillejad\1035693\0774B78-sh1-Stage Plan.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE PLAN VIEWS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	14
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 4	OF 8 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

STAGE 1 TRAFFIC CONTROL



- STOP BAR
- DRUM
- DRUM W/ LIGHT
- TEMP. CONC. BARRIER
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR

TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

MODEL: Stage 1 TC - 4 [Sheet]
FILE NAME: c:\p\work\wtd\hillej\ad1035693\0774B78-sh1-Stage Plan.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE PLAN VIEWS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	15
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 5	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

	STOP BAR
	DRUM
	DRUM W/ LIGHT
	TEMP. CONC. BARRIER
	TRAFFIC SIGNAL
	IMPACT ATTENUATOR

— 9 ILL 15

Diagram illustrating a road layout with stationing. The horizontal road has stationing markers: Sta. 481+31, Sta. 481+81, 482, Sta. 482+06, and Sta. 482+15. A vertical road crosses the horizontal road at Sta. 481+81. A dashed line indicates a boundary or centerline. A north arrow points towards the top right.

Temp. EOP Line
1:12 To 100 Ft
Break Point

TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE PLAN VIEWS

SCALE:	SHEET 6	OF 8	SHEETS	STA.	TO STA.
--------	---------	------	--------	------	---------

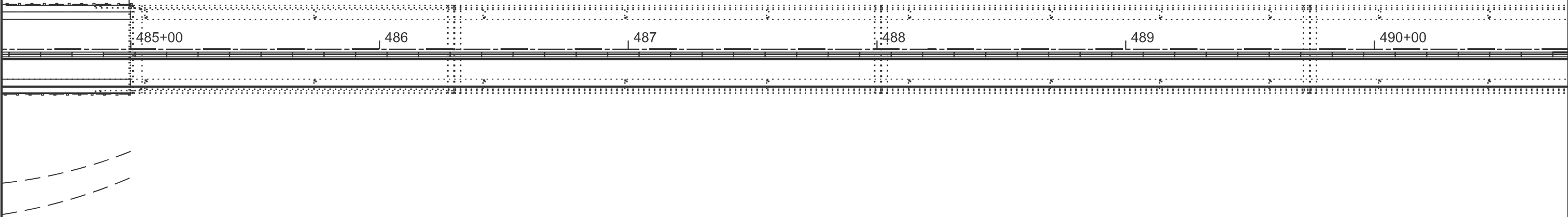
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	16
		CONTRACT NO. 74B78		
ILLINOIS		FED. AID PROJECT		

MODEL: Stage 2 TC - 1 [Sheet]
FILE NAME: c:\pw\work\pwidth\hille\ajd1035693\D774B78-sht-Stage Plan.dgn

STAGE 2 TRAFFIC CONTROL



Back East Abut.
Sta. 484+99.38



- STOP BAR
- DRUM
- DRUM W/ LIGHT
- TEMP. CONC. BARRIER
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR

TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

MODEL: Stage 2 TC - 2 [Sheet]
FILE NAME: c:\p\work\wtd\hillead\1035693\0774B78-sh2-Stage Plan.dgn

	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE PLAN VIEWS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	17
		CHECKED -	REVISED -					CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE -	REVISED -		SCALE:	SHEET 7	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

STAGE 2 TRAFFIC CONTROL



LITTLE
WABASH
RIVER

LITTLE
WABASH
RIVER

Back West Abut.
Sta. 496+56.76

EQUATION
Sta 496+56.48 BK =
Sta 496+63.00 AH

491

492

493

494

495+00

496

497

- STOP BAR
- DRUM
- DRUM W/ LIGHT
- TEMP. CONC. BARRIER
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR

TRAFFIC CONTROL IS PER STANDARD 701321.
PLEASE REFER TO THE STANDARD FOR ANY
DETAILS OR LOCATIONS NOT SHOWN IN THESE
DRAWINGS.
FOR EXAMPLE THE TEMPORARY RUMBLE STRIPS.

MODEL: Stage 2 TC - 3 (Sheet)
FILE NAME: c:\pwworking\hillejad\1055693\0774B78-shit-Stage Plan.dgn

USER NAME	= jessica.hille	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/18/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE PLAN VIEWS			
SCALE:	SHEET 8	OF 8 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	18
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

Structure 096-0010 carries ILL 15 over Little Wabash River. The twenty-one span was originally built in 1924 and reconstructed in 1955. In 1980, the structure was reconstructed again into its current configuration of a twenty-one span, steel multi-beam structure. The proposed project consists of replacement of the expansion joints with new strip seals, full depth deck patching, scarification, concrete overlay, pier repair, and pile encasement.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications
for Highway Bridges

DESIGN STRESSES

New Construction

f_c = 3,500 psi (Substructure Concrete)

f_c = 4,000 psi (Superstructure Concrete)

f_y = 60,000 psi (Reinforcement)

f_y = 36,000 psi

Existing Construction

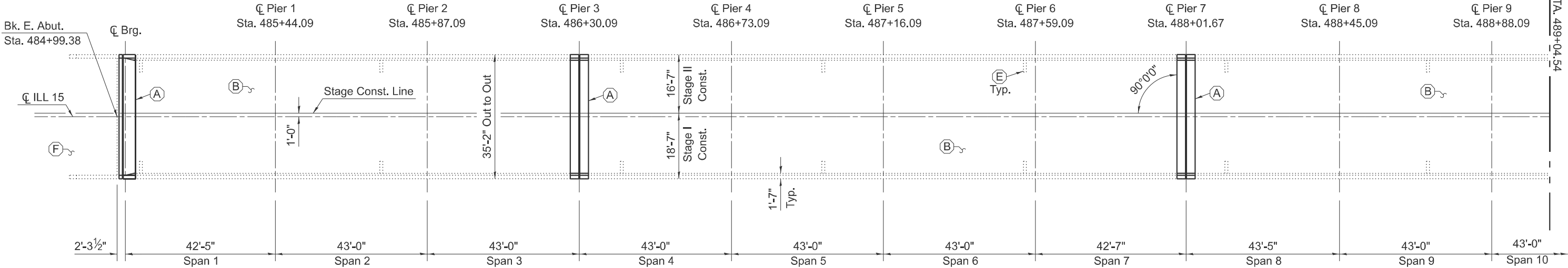
f_c = 3,500 psi

f_y = 60,000 psi (Reinforcement)

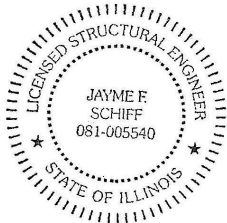
f_y = 36,000 psi



ELEVATION



Note:
Bk. to Bk. Abutments = 1157'-4 3/8"

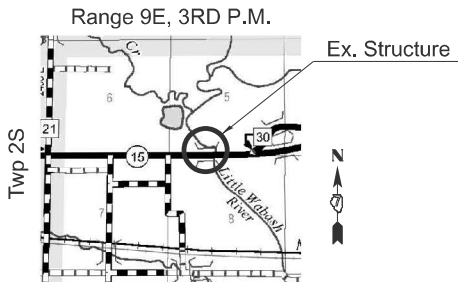


EXPIRES 11-30-2026

Jayne F. Schiff

PLAN

- (A) - Remove Existing Joint & Construct Strip Seal Expansion Joint
- (B) - Bridge Deck Scarification 3/4", Deck Patching, Bridge Deck Fly Ash or GGBF Slag Concrete Overlay 2 1/2", Diamond Grinding (Bridge Section), & Bridge Deck Grooving (Longitudinal)
- (C) - Pier Repair
- (D) - Pile Encasement
- (E) - Adjust Scupper Drains
- (F) - Proposed HMA Overlay (See Roadway Plans)



LOCATION SKETCH

MODEL: 096-0010 Sheet 1 [Sheet]
FILE NAME: c:\p\work\p\hille\ad1035705\096-0010 Repair Sheets.dgn

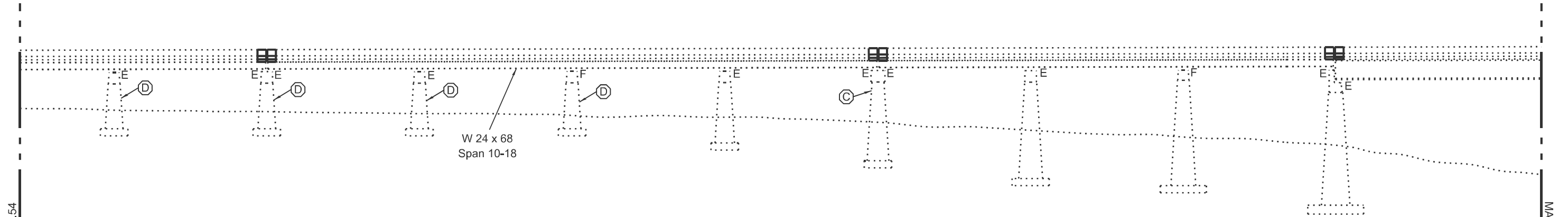
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

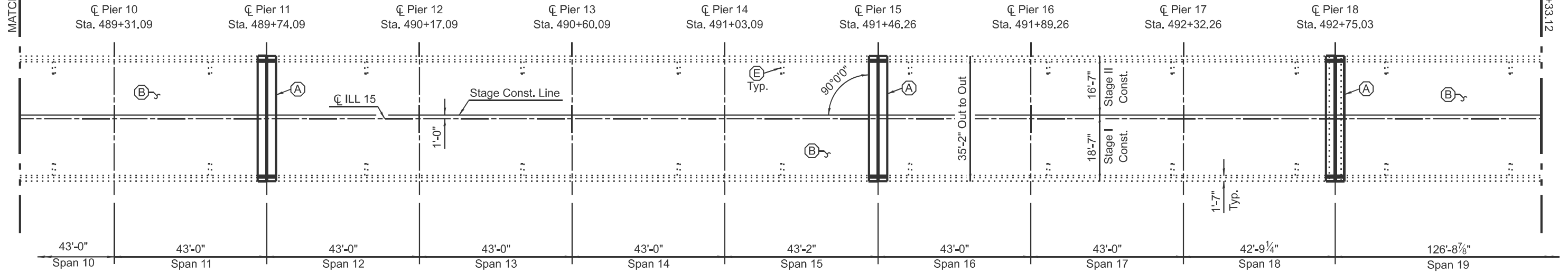
GENERAL PLAN & ELEVATION
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 1 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	20
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



ELEVATION

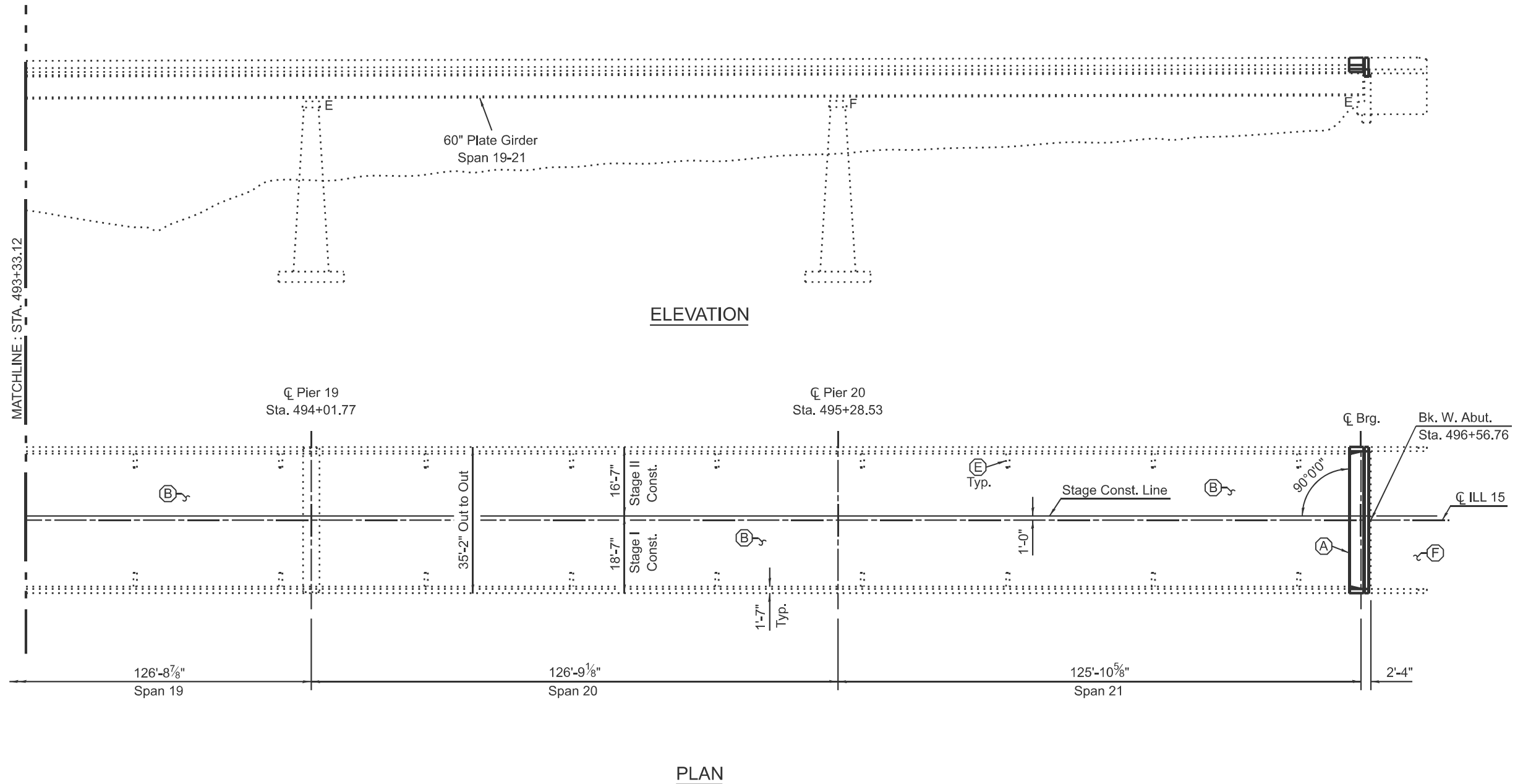


PLAN

- (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) - Pier Repair
- (D) - Pile Encasement
- (E) - Adjust Scupper Drains
- (F) - Proposed HMA Overlay (See Roadway Plans)

MODEL: 096-0010 Sheet 2 [Sheet]
FILE NAME: c:\pwworking\hillejad\1035705\074B78_096-0010 Repair Sheets.dgn

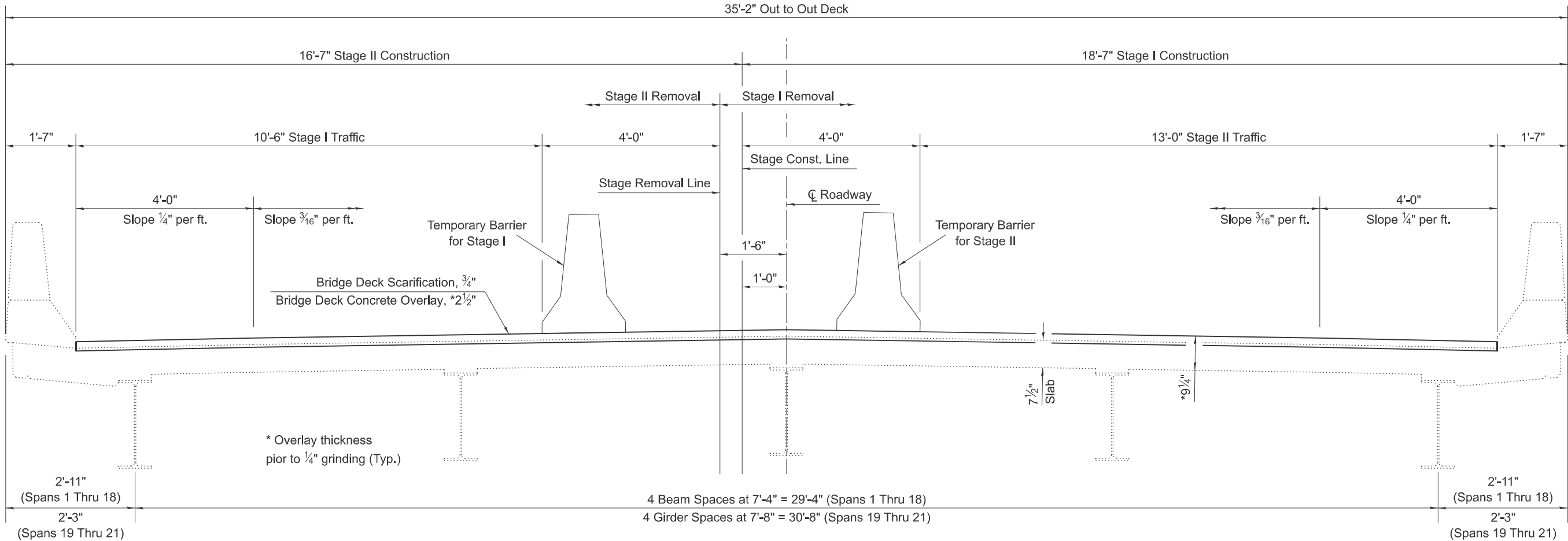
	USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION S.N. 096-0010				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - D. LANE	REVISED -						823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	21
		CHECKED - L. HILLE	REVISED -		CONTRACT NO. 74B78								
	PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -		SCALE: NOT TO SCALE	SHEET 2	OF 34	SHEETS	STA.	TO STA.			
									ILLINOIS		FED. AID PROJECT		



- (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) - Pier Repair
- (D) - Pile Encasement
- (E) - Adjust Scupper Drains
- (F) - Proposed HMA Overlay (See Roadway Plans)

MODEL: 096-0010 Sheet 3 [Sheet]
FILE NAME: c:\pw\work\hille\jald1035705\074B78_096-0010 Repair Sheets.dgn

	USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION S.N. 096-0010		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - D. LANE	REVISED -				823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	22
		CHECKED - L. HILLE	REVISED -		CONTRACT NO. 74B78						
	PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -		SCALE: NOT TO SCALE	SHEET 3	OF 34	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



CROSS SECTION

Looking West (Sta. Ahead)

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.

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.

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	41.2
Concrete Superstructure	Cu. Yd.	45.9
Concrete Structures	Cu. Yd.	8.6
Reinforcement Bars, Epoxy Coated	Pound	7,250
Bar Splicers	Each	134
Preformed Joint Strip Seal	Foot	241
Bridge Deck Scarification 3/4"	Sq. Yd.	3,986
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq. Yd.	3,986
Diamond Grinding (Bridge Section)	Sq. Yd.	3,598
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	3,058
Protective Coat	Sq. Yd.	4,132
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	38
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	20
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.	84
Drainage Scuppers to be Adjusted	Each	56

MODEL: 096-0010 Sheet 4 [Sheet]
FILE NAME: c:\pwworking\hillejlad\1035705\05D774B78_096-0010 Repair Sheets.dgn

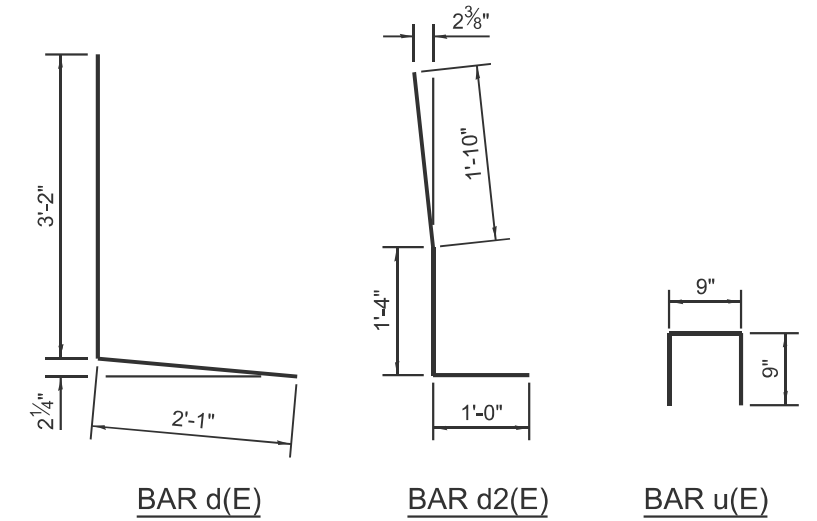
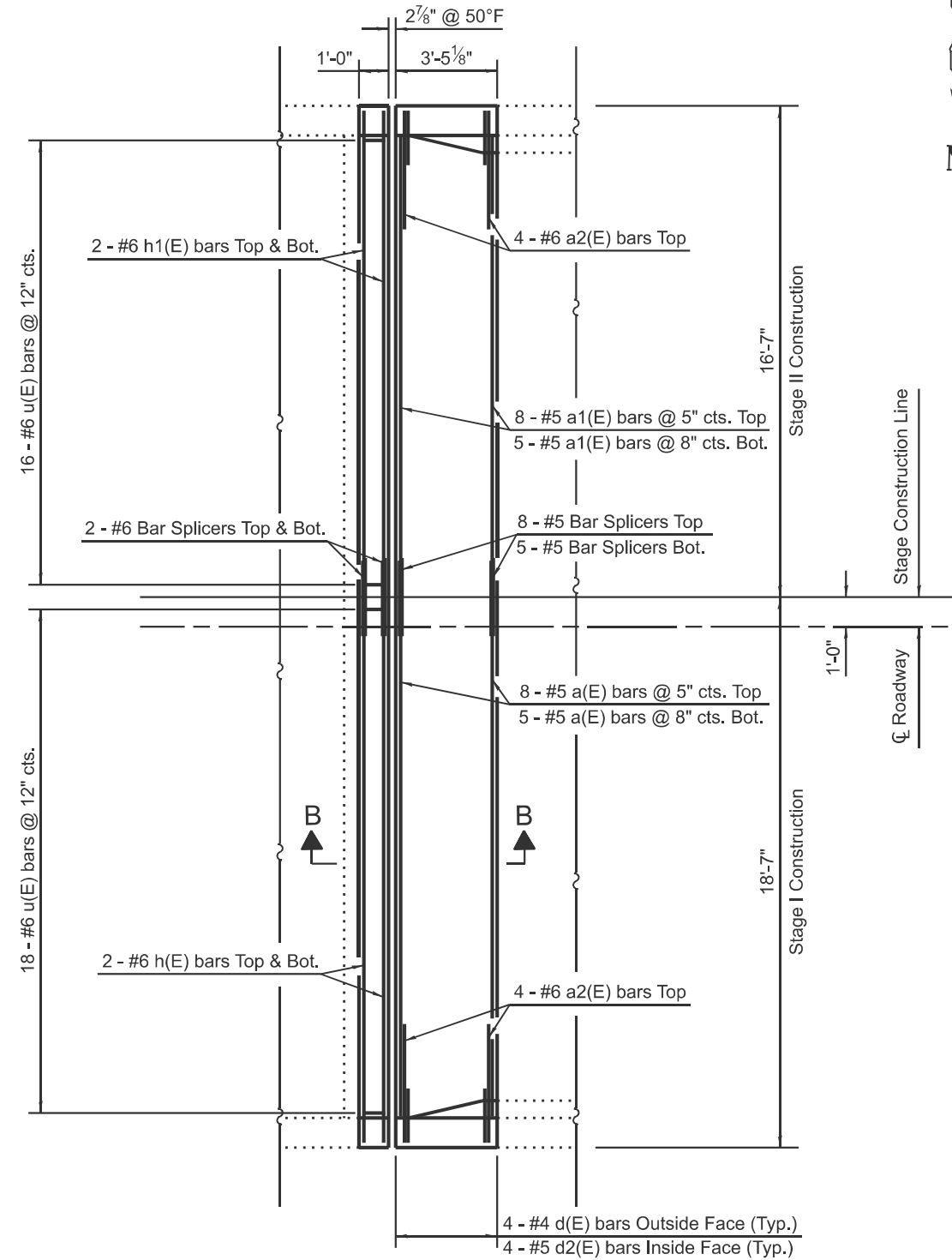
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION & BILL OF MATERIALS
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 4 OF 34 SHEETS STA. TO STA.









F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	23
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

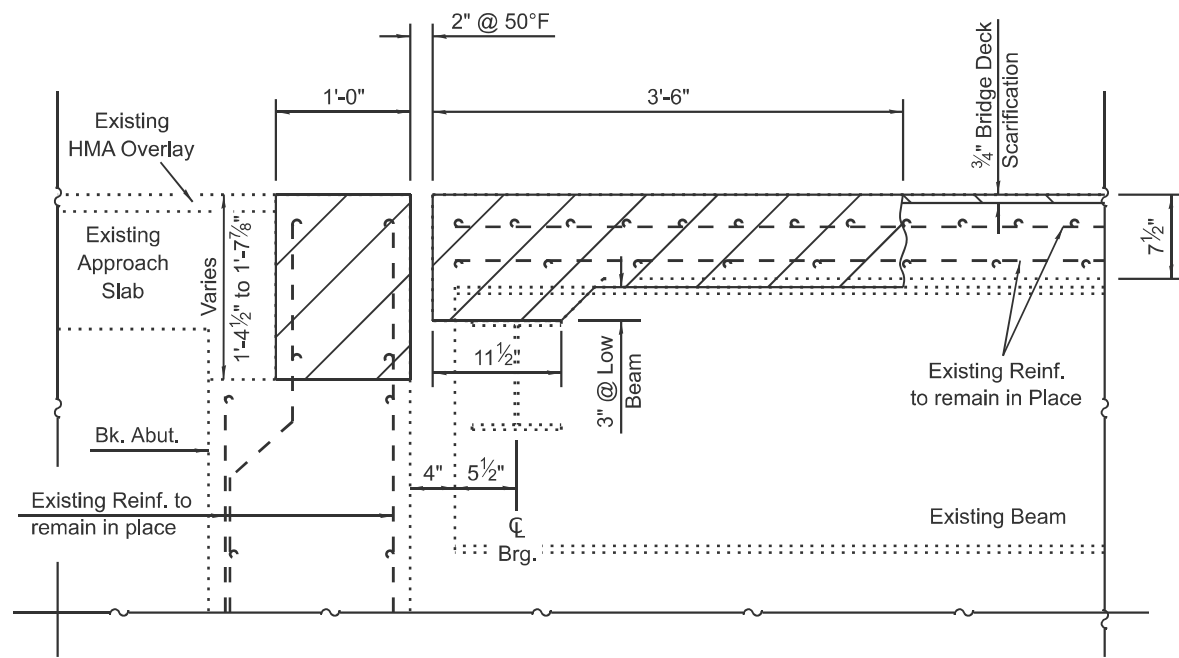


REINFORCEMENT PLAN

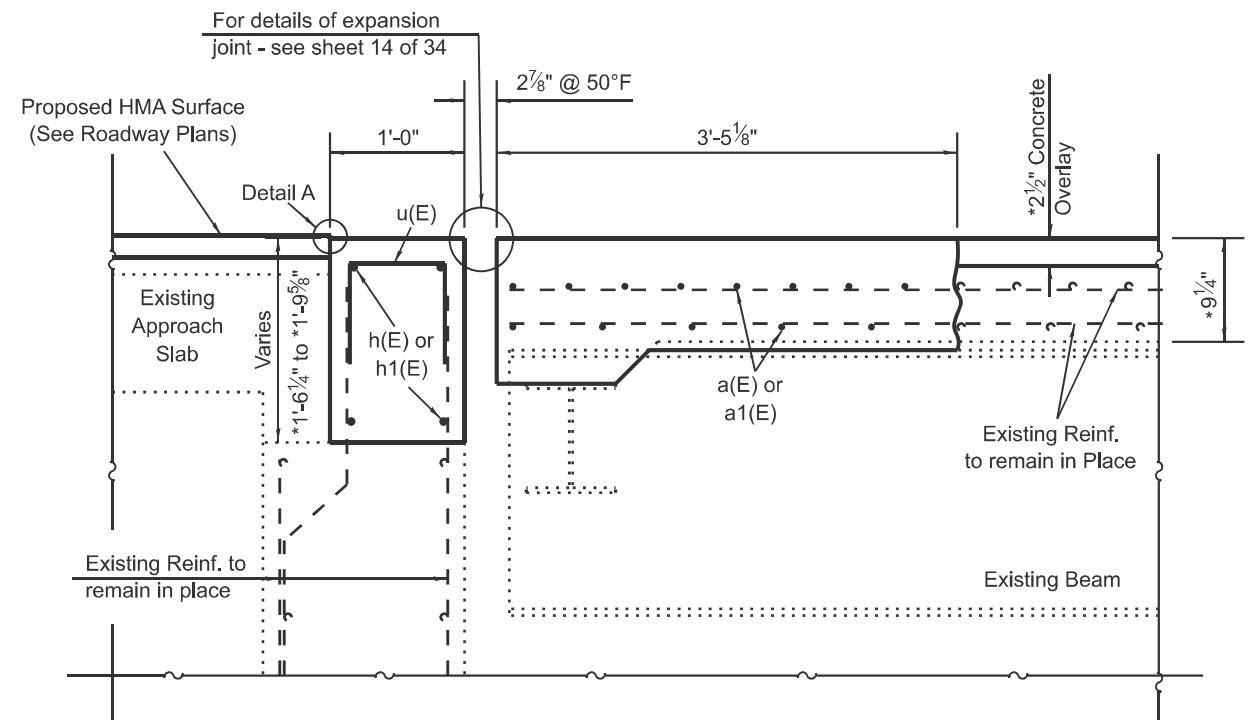
East Abutment

BILL OF MATERIALS - EAST ABUT.

Bar	No.	Size	Length	Shape
a(E)	13	#5	17'-5"	
a1(E)	13	#5	15'-5"	
a2(E)	8	#6	4'-0"	
d(E)	8	#4	5'-3"	
d2(E)	8	#5	4'-2"	
h(E)	4	#6	18'-3"	
h1(E)	4	#6	16'-3"	
u(E)	34	#6	2'-3"	
ITEM			UNIT	QUANTITY
Concrete Removal			Cu. Yd.	6.1
Concrete Superstructure			Cu. Yd.	6.7
Reinforcement Bars, Epoxy Coated			Pound	880
Bar Splicers			Each	17

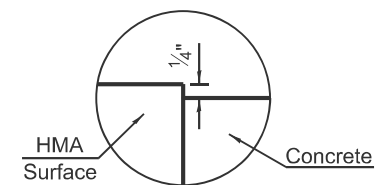


SECTION A-A



SECTION B-B

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



DETAIL A

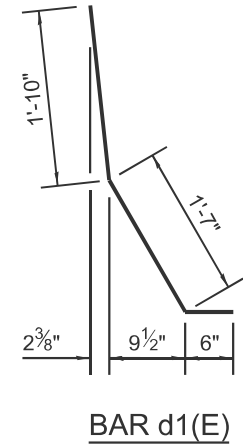
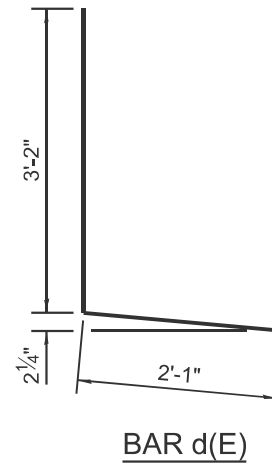
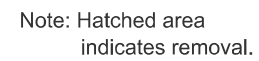
Note: Hatched area indicates removal.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS - EAST ABUT.
S.N. 096-0010






SCALE: NOT TO SCALE SHEET 6 OF 34 SHEETS STA. TO STA.

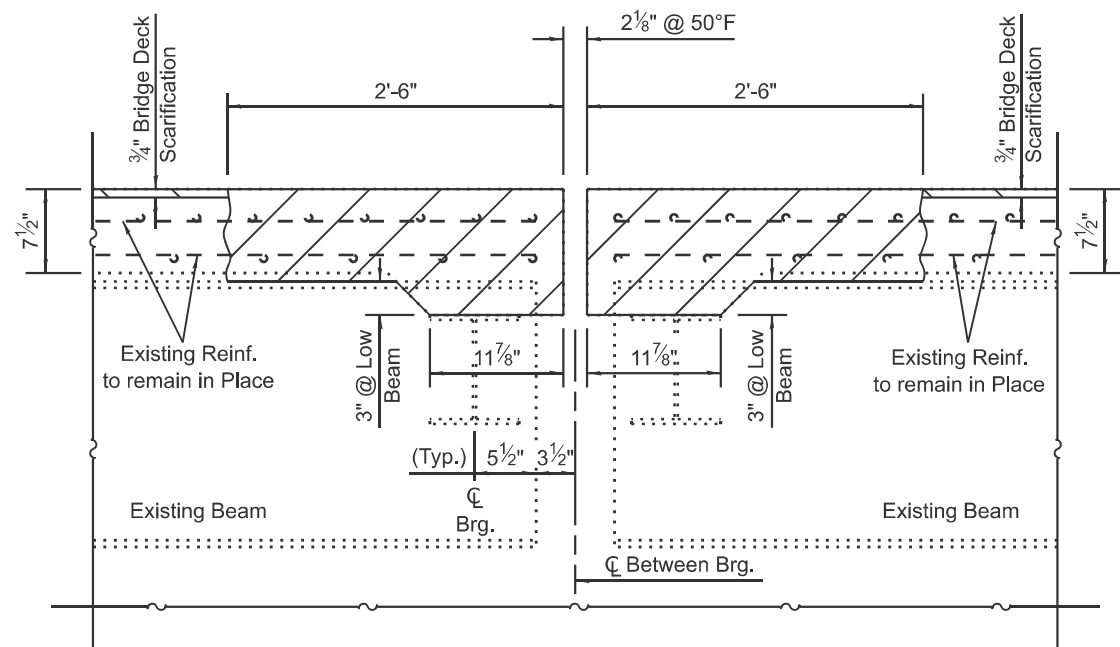
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	25
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



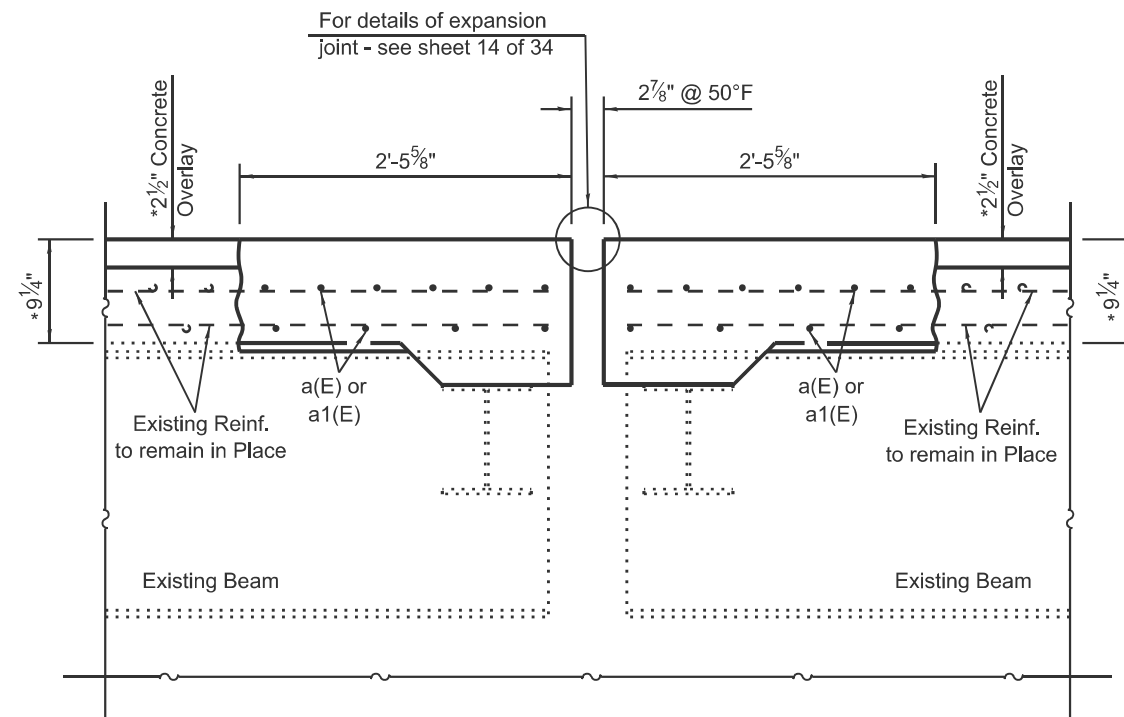
BILL OF MATERIALS - (PER PIER)

Pier 3, 7, 11 & 15

Bar	No.	Size	Length	Shape
a(E)	20	#5	17'-5"	
a1(E)	20	#5	15'-5"	
a2(E)	12	#6	4'-0"	
d(E)	12	#4	5'-3"	
d1(E)	12	#5	3'-11"	
ITEM			UNIT	QUANTITY
Concrete Removal			Cu. Yd.	5.8
Concrete Superstructure			Cu. Yd.	6.6
Reinforcement Bars, Epoxy Coated			Pound	850
Bar Splicers			Each	20



SECTION C-C



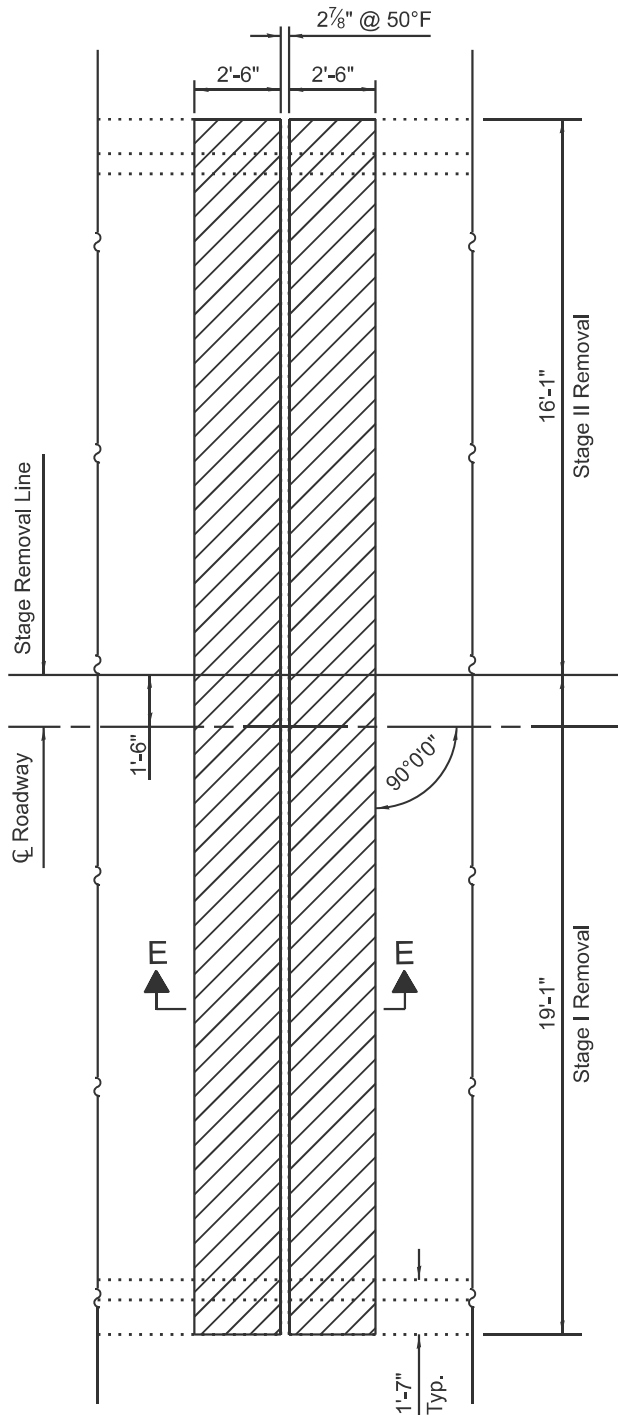
SECTION D-D

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

Note: Hatched area indicates removal.

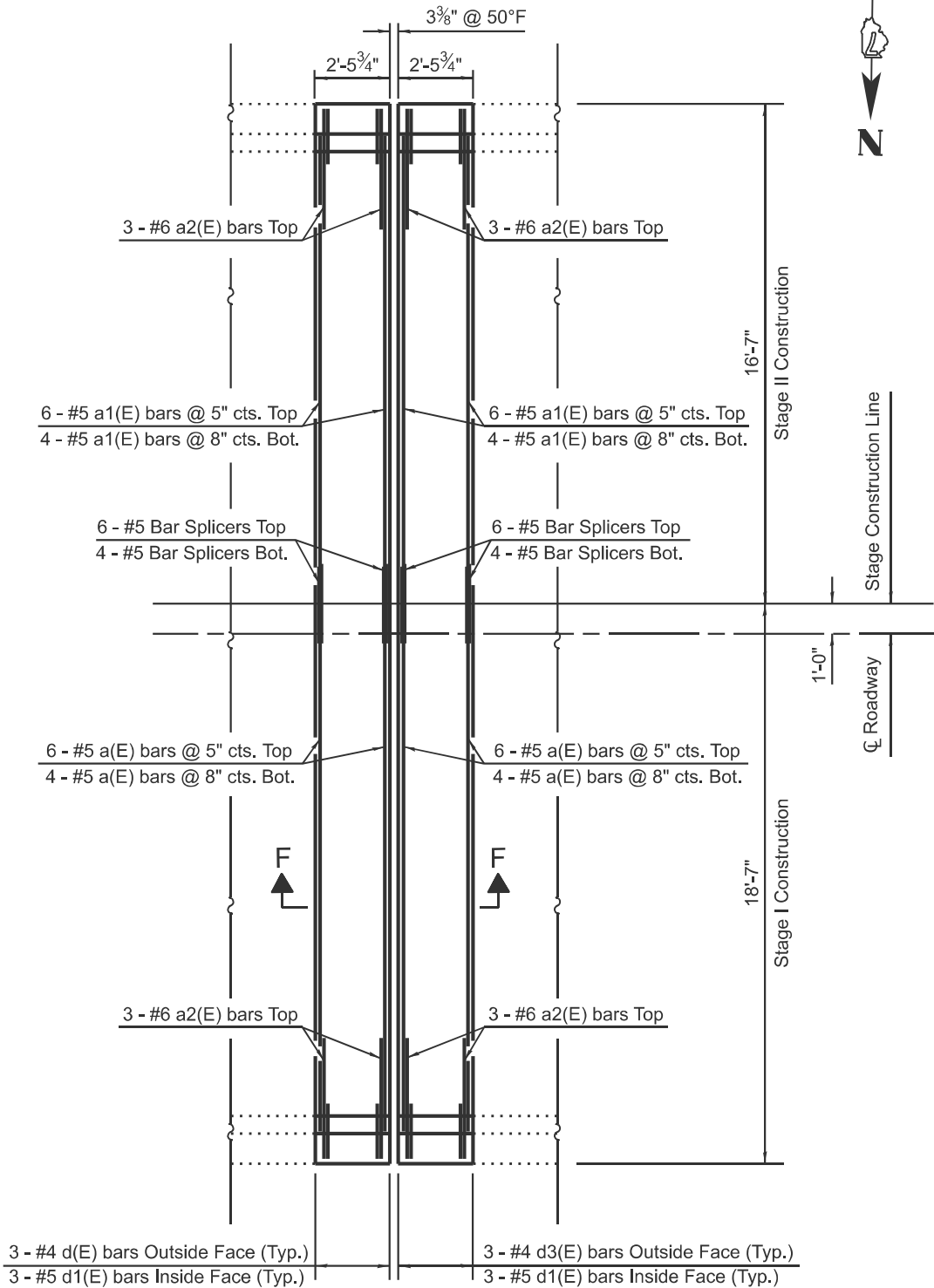
MODEL: 096-0010 Sheet 8 [Sheet]
FILE NAME: c:\pwworking\hillej\ad1035705\074B78_096-0010 Repair Sheets.dgn

	USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT REPLACEMENT DETAILS - PIERS 3, 7, 11 & 15 S.N. 096-0010	SCALE: NOT TO SCALE	SHEET 8	OF 34	SHEETS	STA.	TO STA.	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - D. LANE	REVISED -									823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	27
		CHECKED - L. HILLE	REVISED -									CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -									ILLINOIS FED. AID PROJECT				



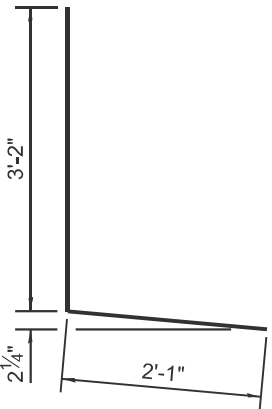
REMOVAL PLAN

Pier 18

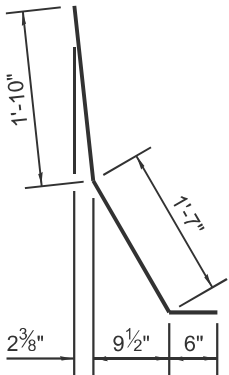


REINFORCEMENT PLAN

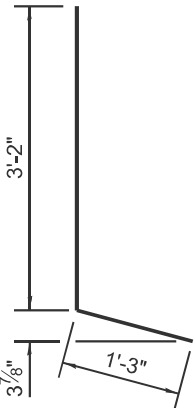
Pier 18



BAR d(E)



BAR d1(E)



BAR d3(E)

BILL OF MATERIALS - PIER 18

Bar	No.	Size	Length	Shape
a(E)	20	#5	17'-5"	
a1(E)	20	#5	15'-5"	
a2(E)	12	#6	4'-0"	
d(E)	6	#4	5'-3"	
d1(E)	12	#5	3'-11"	
d3(E)	6	#4	4'-5"	
ITEM			UNIT	QUANTITY
Concrete Removal			Cu. Yd.	5.8
Concrete Superstructure			Cu. Yd.	6.6
Reinforcement Bars, Epoxy Coated			Pound	850
Bar Splicers			Each	20

Note: Hatched area indicates removal.

USER NAME	= jessica.hille
DESIGNED	- D. LANE
DRAWN	- D. LANE
CHECKED	- L. HILLE
PLOT DATE	= 8/18/2025

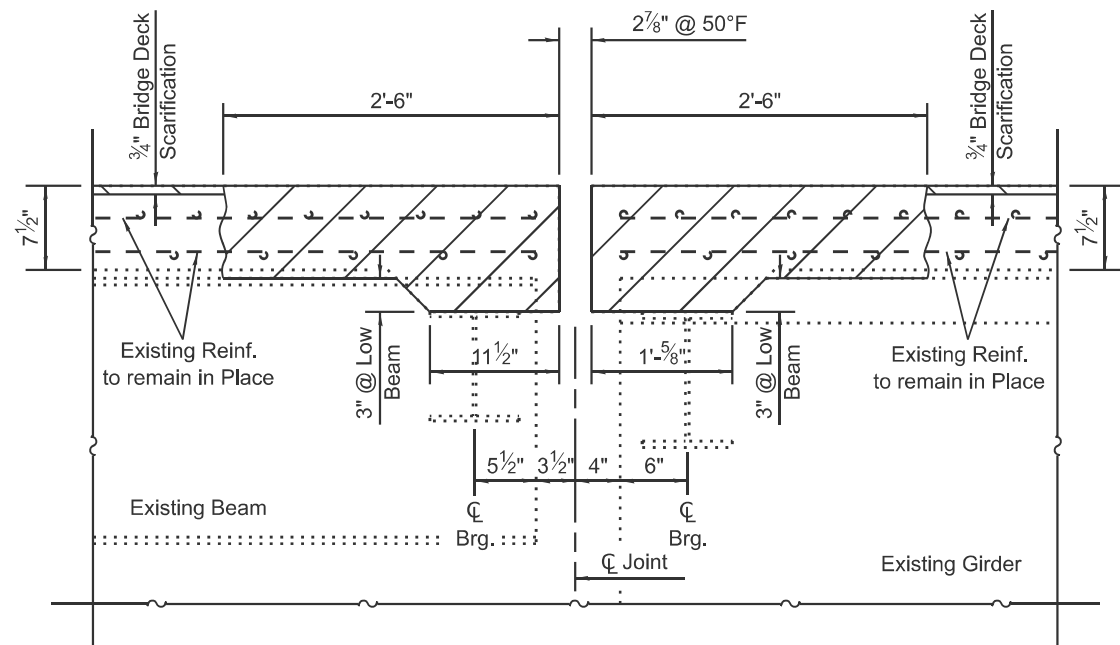
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

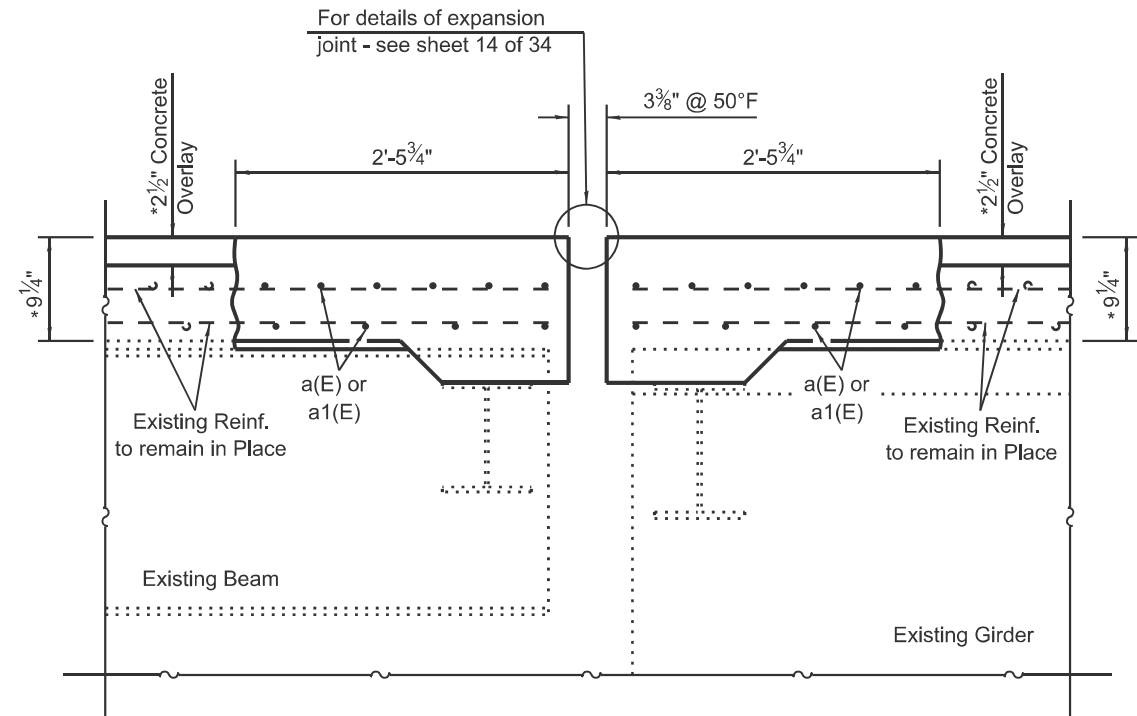
EXPANSION JOINT REPLACEMENT DETAILS - PIER 18
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 9 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	28
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



SECTION E-E



SECTION F-F

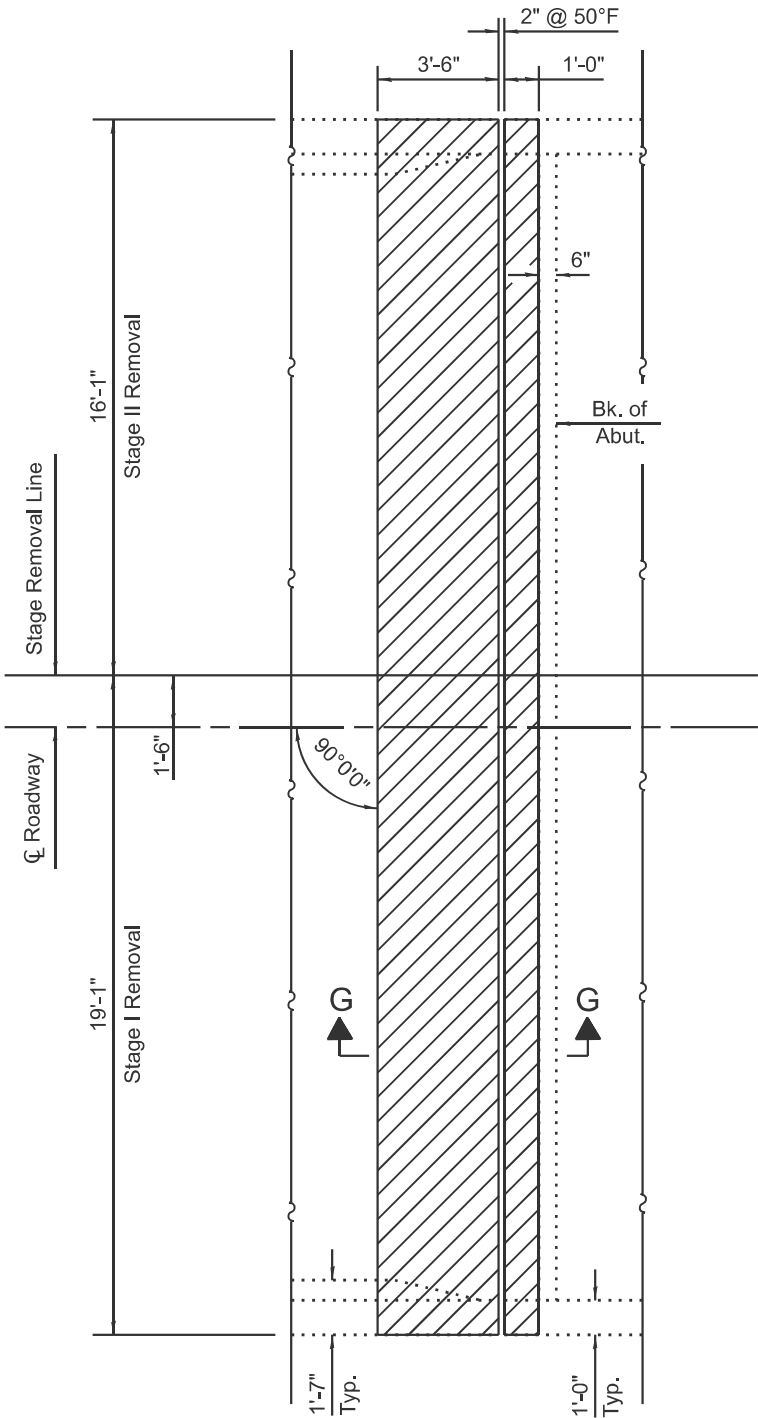
* Thickness prior to 1/4" grinding (Typ.)

Note: Hatched area indicates removal.

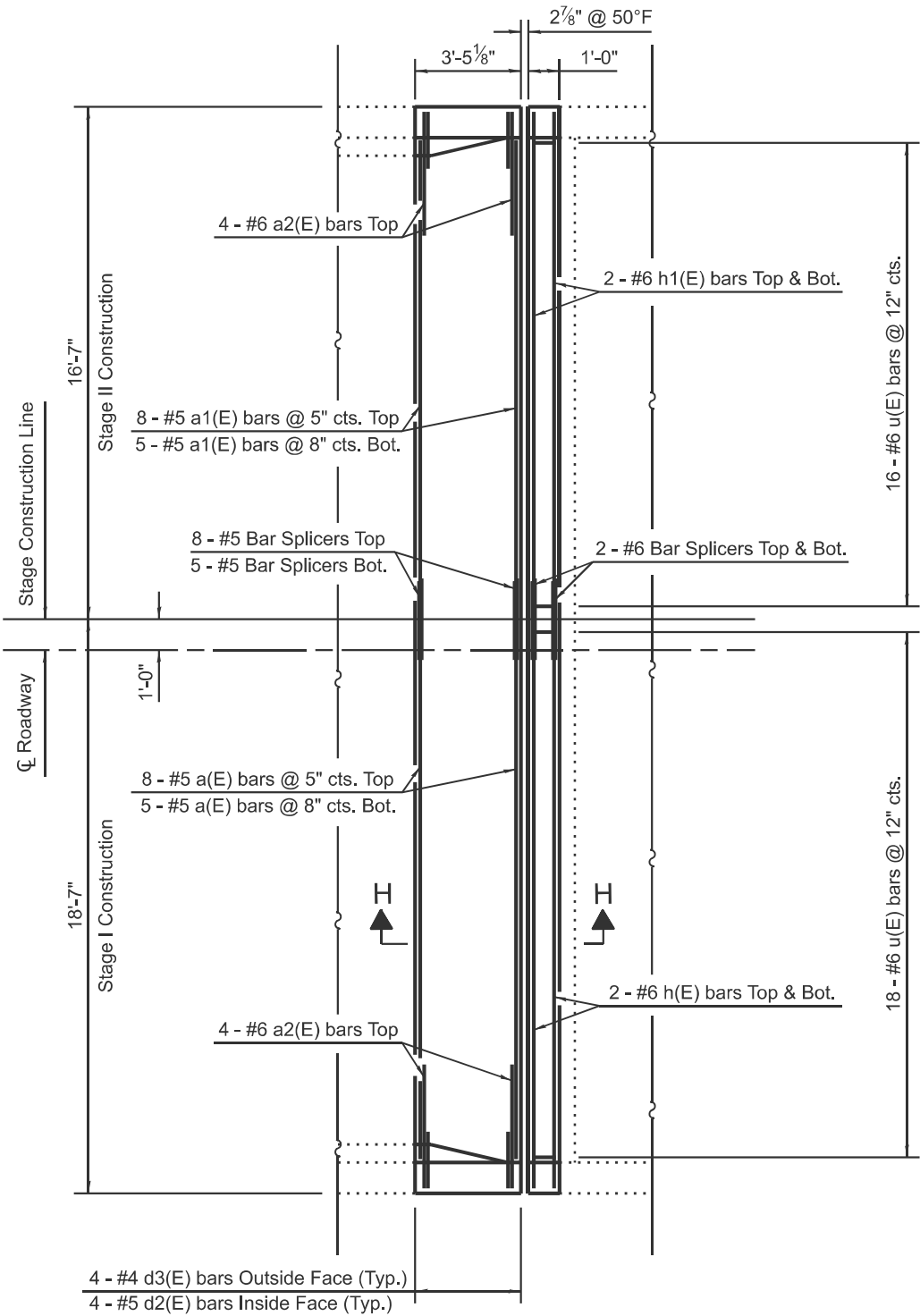
MODEL: 096-0010 Sheet 10 (Sheet)
FILE NAME: c:\pwworking\hillead\1035705\096-0010 Repair Sheets.dgn

FILE NAME:

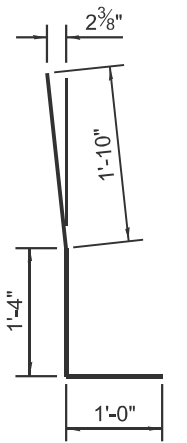
	USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT REPLACEMENT DETAILS - PIER 18 S.N. 096-0010	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - D. LANE	REVISED -			823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	29
		CHECKED - L. HILLE	REVISED -			CONTRACT NO. 74B78				
	PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE: NOT TO SCALE					SHEET 10	OF 34	SHEETS	STA.	TO STA.



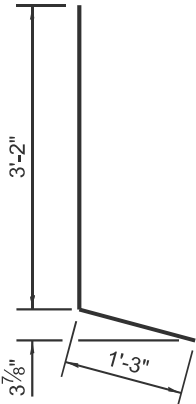
REMOVAL PLAN
West Abutment



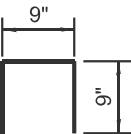
REINFORCEMENT PLAN
West Abutment



BAR d2(E)



BAR d3(E)



BAR u(E)

BILL OF MATERIALS - WEST ABUT.

Bar	No.	Size	Length	Shape
a(E)	13	#5	17'-5"	
a1(E)	13	#5	15'-5"	
a2(E)	8	#6	4'-0"	
d2(E)	8	#5	4'-2"	
d3(E)	8	#4	4'-5"	
h(E)	4	#6	18'-3"	
h1(E)	4	#6	16'-3"	
u(E)	34	#6	2'-3"	
ITEM			UNIT	QUANTITY
Concrete Removal			Cu. Yd.	6.1
Concrete Superstructure			Cu. Yd.	6.2
Reinforcement Bars, Epoxy Coated			Pound	880
Bar Splicers			Each	17

Note: Hatched area indicates removal.

MODEL: 096-0010 Sheet 11 (Sheet)
FILE NAME: c:\paw_work\wkt\hille\ad1035705\074B78_096-0010 Repair Sheets.dgn

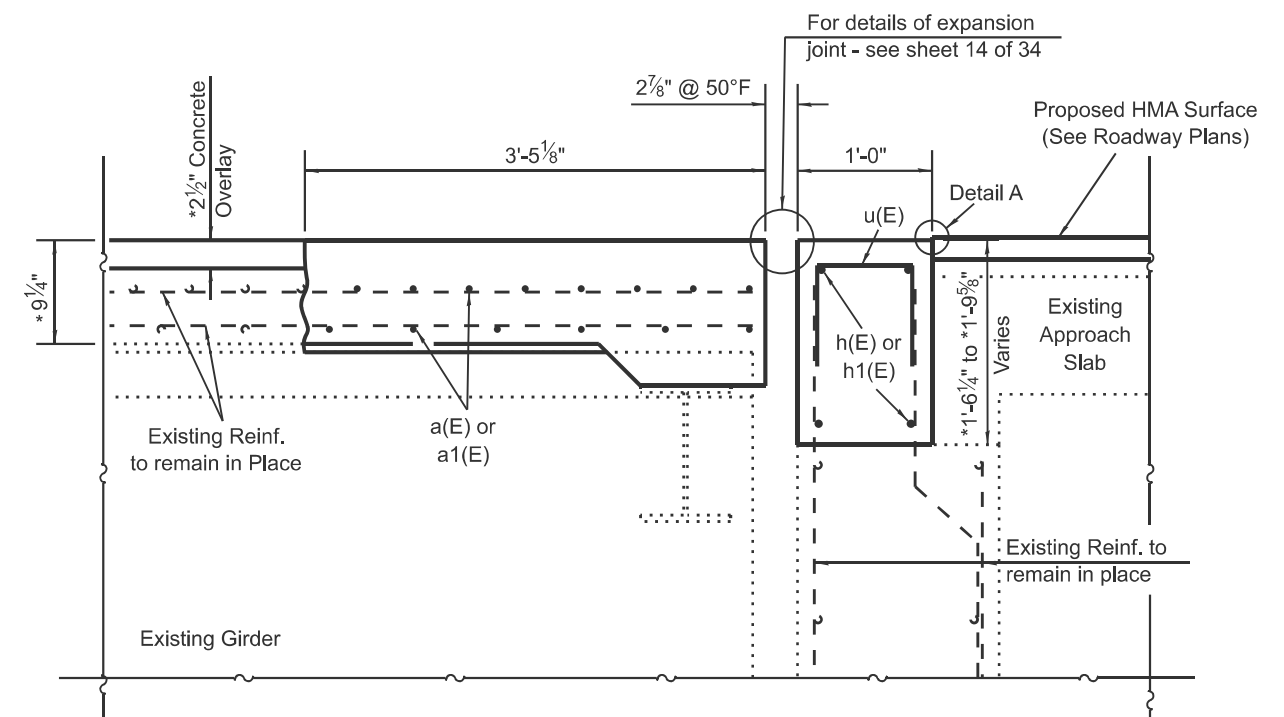
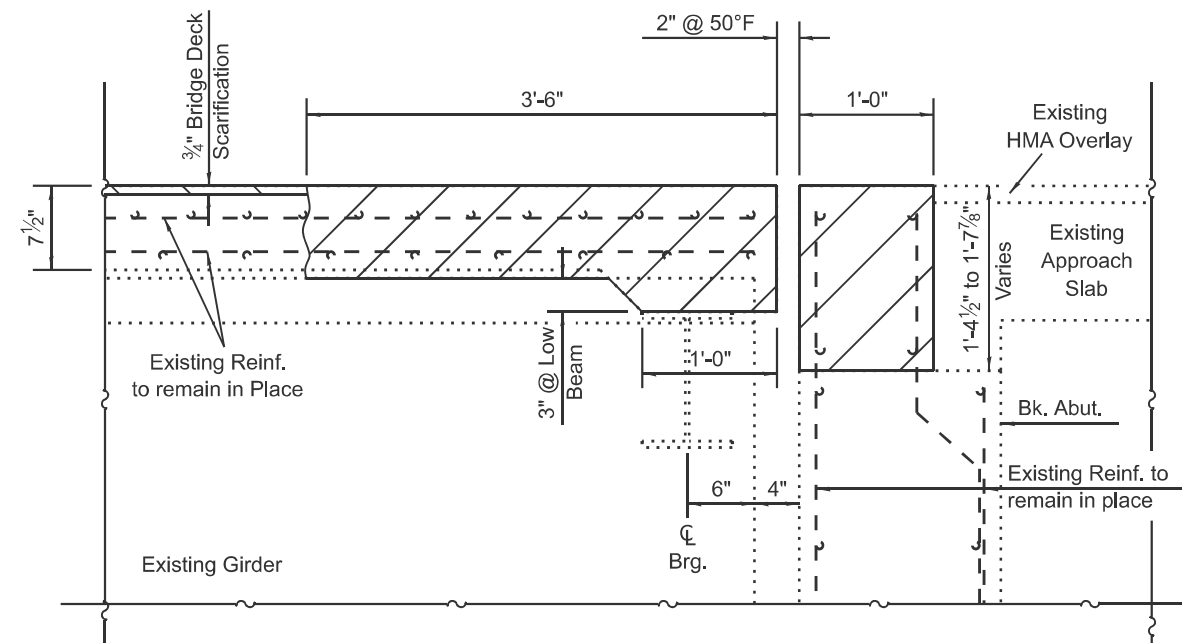
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

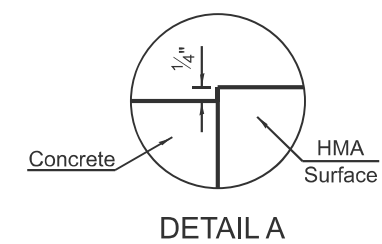
EXPANSION JOINT REPLACEMENT DETAILS - WEST ABUT.
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 11 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	30
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



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



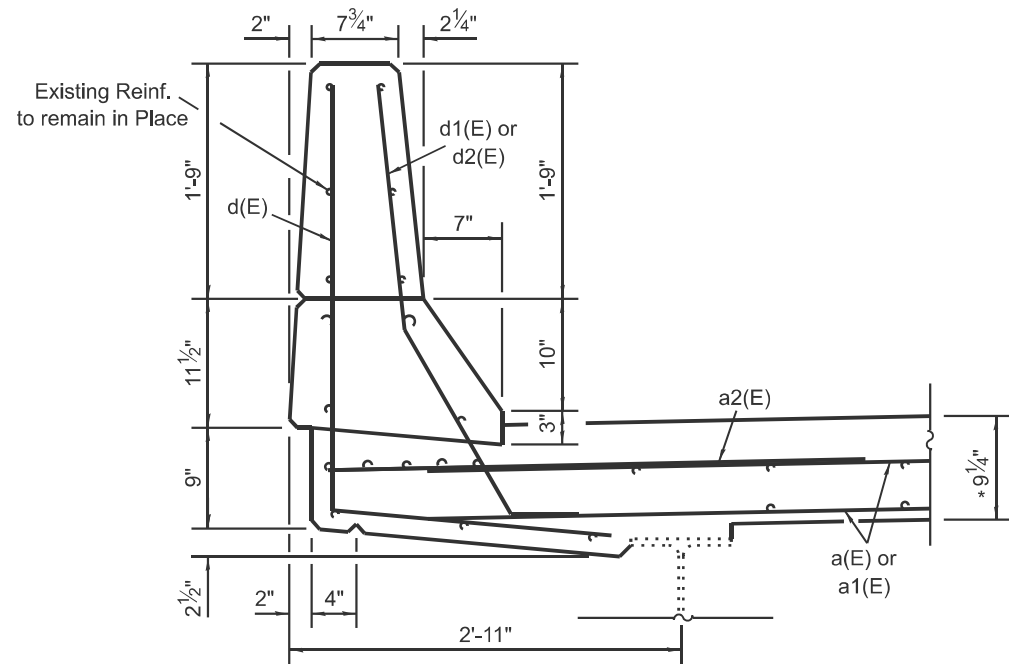
USER NAME = jessica.hille	DESIGNED = D. LANE	REVISED =
	DRAWN = D. LANE	REVISED =
	CHECKED = L. HILLE	REVISED =
PLOT DATE = 8/18/2025	DATE = MAY 2025	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

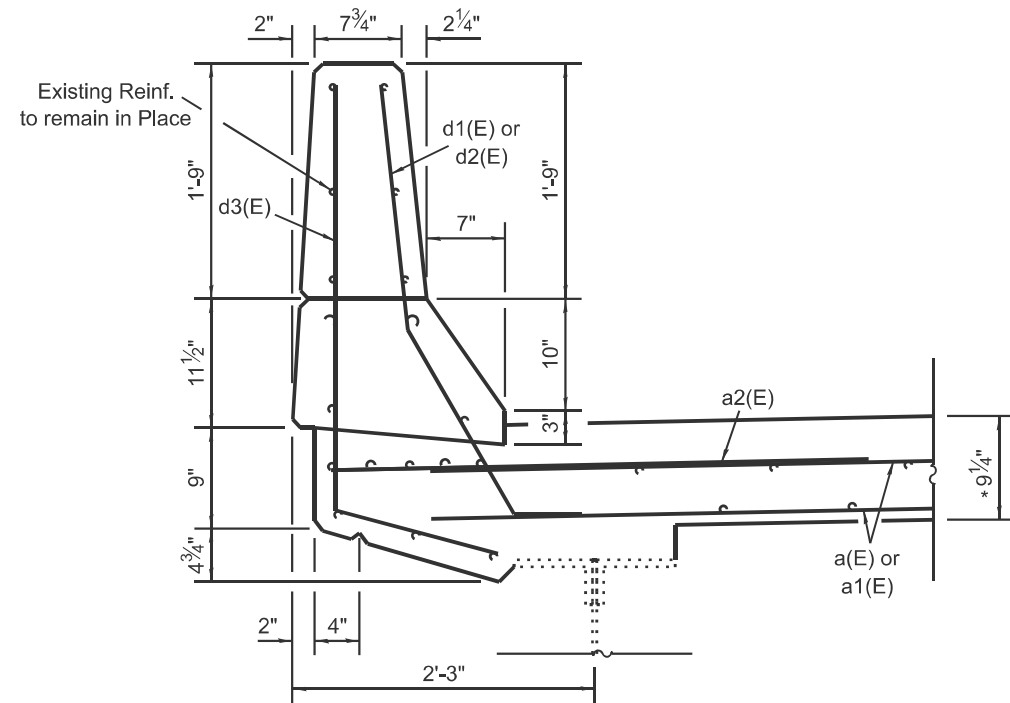
EXPANSION JOINT REPLACEMENT DETAILS - WEST ABUT.
S.N. 096-0010

SCALE: NOT TO SCALE	SHEET 12	OF 34	SHEETS	STA.	TO STA.
---------------------	----------	-------	--------	------	---------

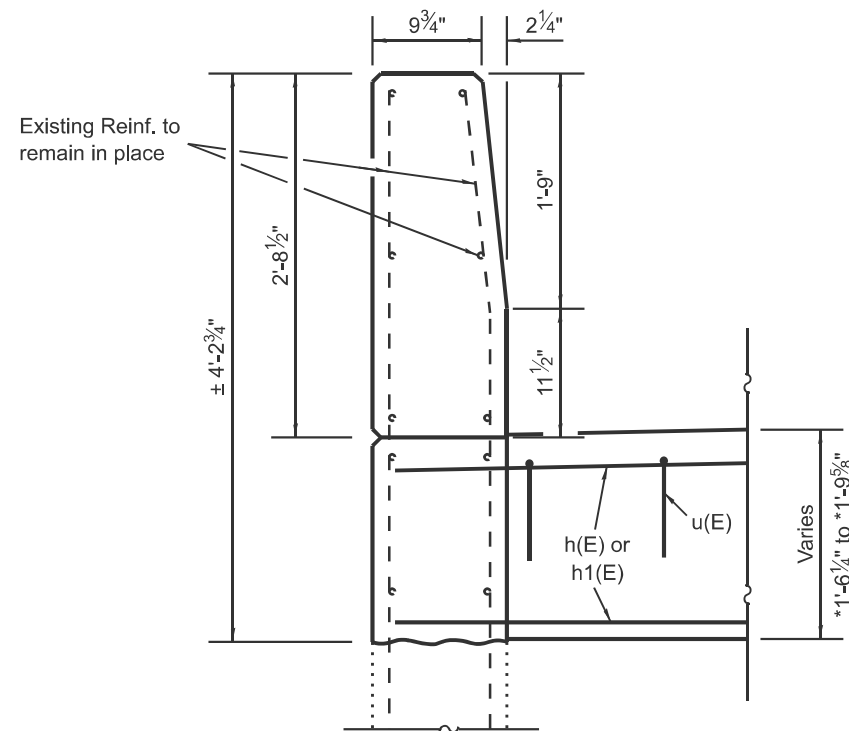
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	31
		CONTRACT NO. 74B78		
ILLINOIS		FED. AID PROJECT		



SECTION THRU DECK PARAPET
Spans 1 Thru 18

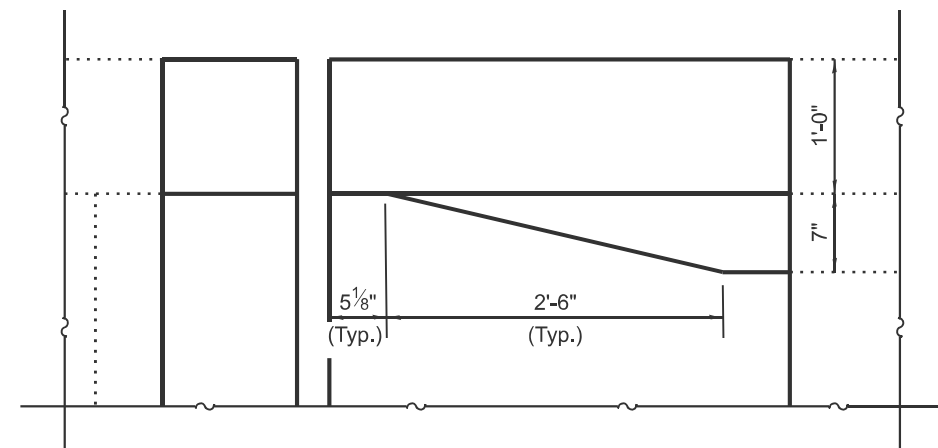


SECTION THRU DECK PARAPET
Spans 19 Thru 21



SECTION THRU APPROACH PARAPET
East & West Abut.

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



DECK PARAPET NOSE DETAIL
East & West Abut.

MODEL: 096-0010 Sheet 13 [Sheet]
FILE NAME: c:\pwworking\hillead\1035705D774B78_096-0010 Repair Sheets.dgn

USER NAME	= jessica.hille	DESIGNED	- D. LANE	REVISED	-
		DRAWN	- D. LANE	REVISED	-
		CHECKED	- L. HILLE	REVISED	-
PLOT DATE	= 8/18/2025	DATE	- MAY 2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS - PARAPETS
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 13 OF 34 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	32
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

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.

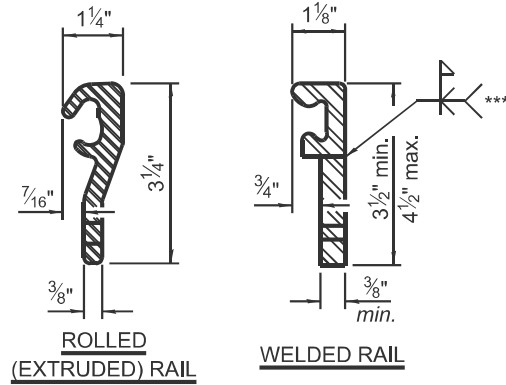
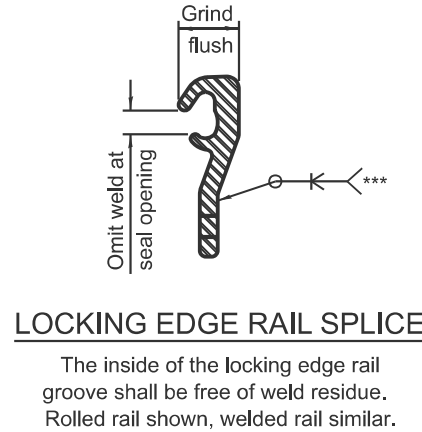
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, 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.

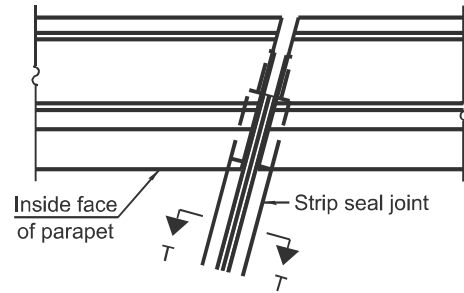
The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

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.

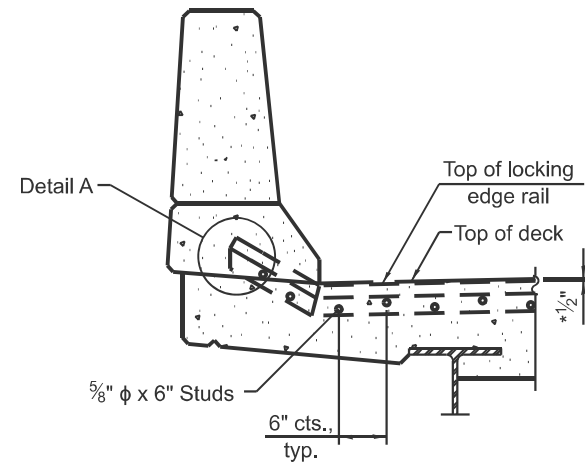


LOCKING EDGE RAILS

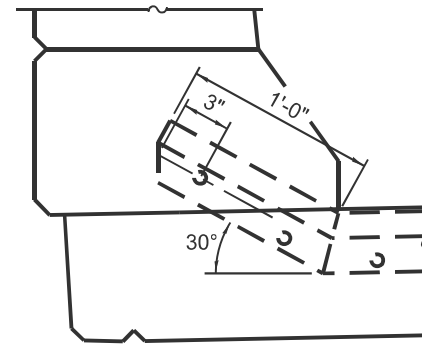
*** Back gouge not required if complete joint penetration is verified by mock-up.



PLAN AT PARAPET

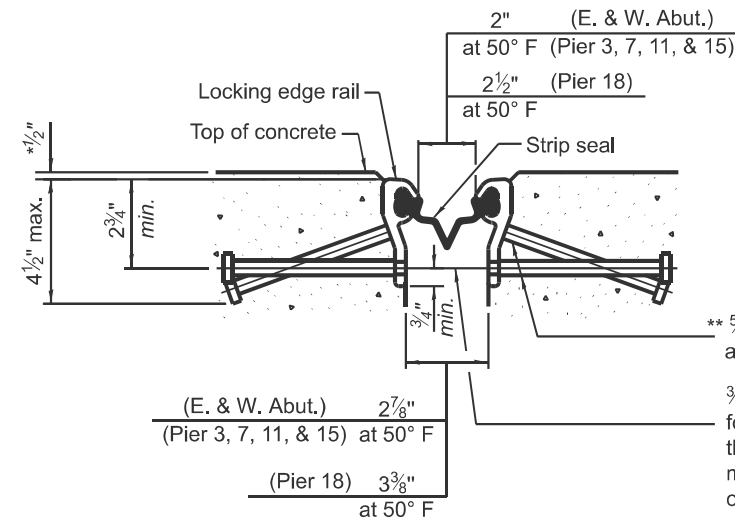


ELEVATION AT PARAPET

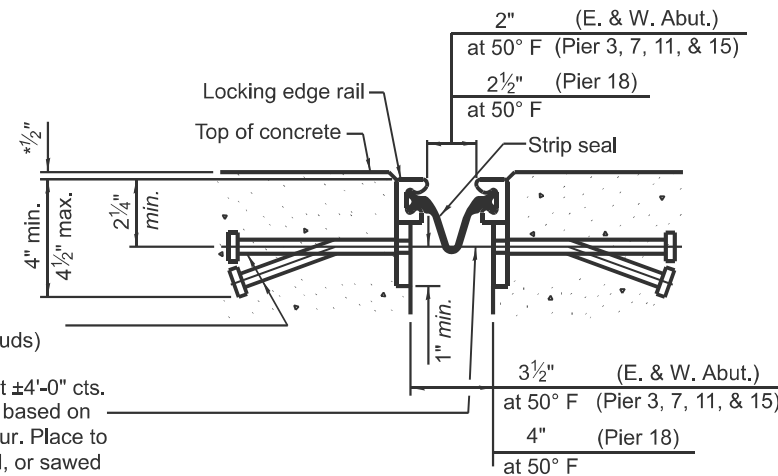


DETAIL A

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



SHOWING ROLLED RAIL JOINT



SHOWING WELDED RAIL JOINT

SECTION T-T

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	241

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

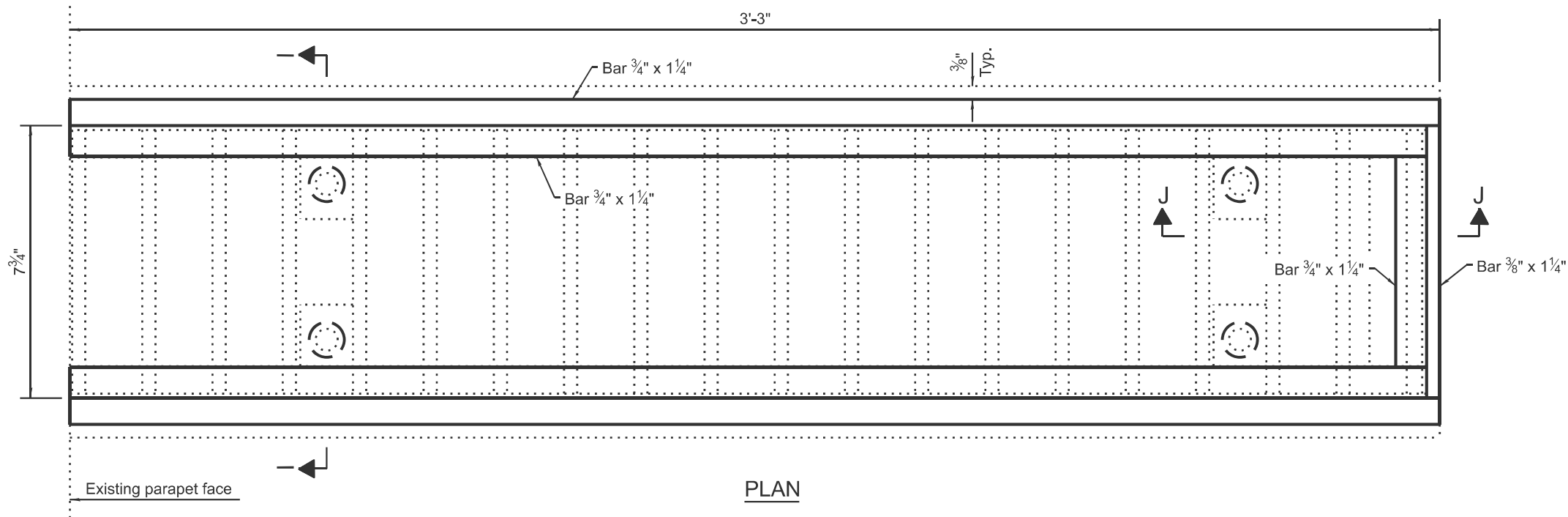
PREFORMED JOINT STRIP SEAL DETAILS
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 14 OF 34 SHEETS STA. TO STA.

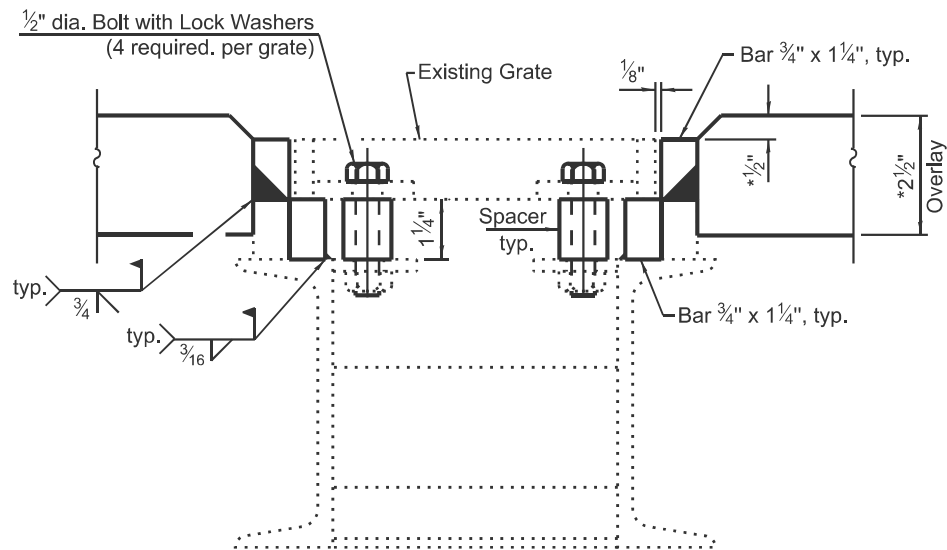
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	33
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

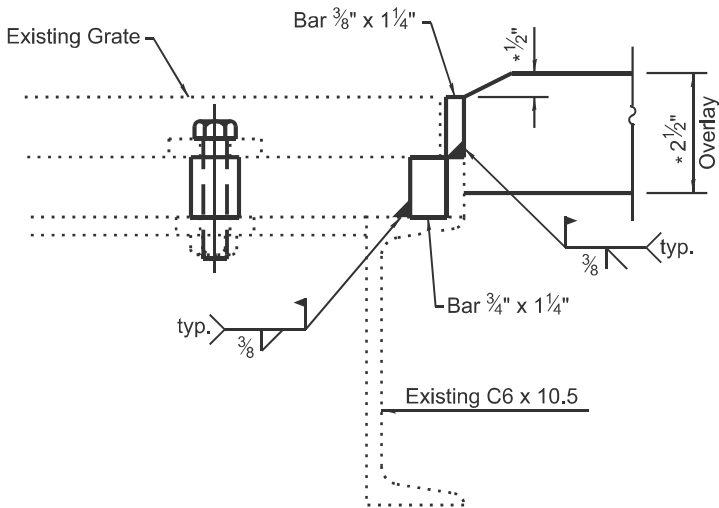
All structural steel shall conform to AASHTO Classification M-270 Gr. 36.
The adjusting ring shall be galvanized according to AASHTO M111.
The contractor shall ensure no damage is done to existing grates to be reused.
Shop plans for proposed adjusting ring shall be submitted for approval prior to fabrication.
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.



PLAN



SECTION I-I



SECTION J-J

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

BILL OF MATERIAL

Item	Unit	Total
Drainage Scuppers To Be Adjusted	Each	56

MODEL: 096-0010 Sheet 15 [Sheet]
FILE NAME: c:\p\work\wilhille\ad1035705\074B78_096-0010 Repair Sheets.dgn

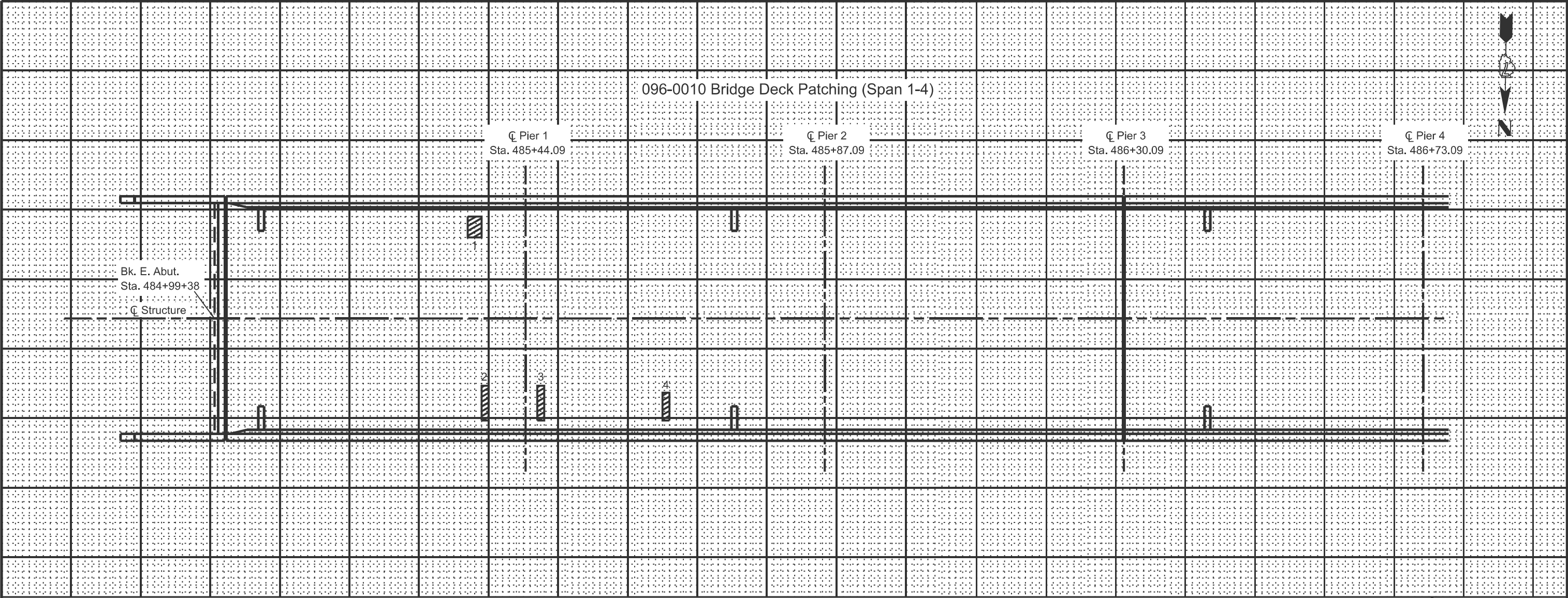
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADJUSTING EXISTING SCUPPER DRAIN
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 15 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	34
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
			SQ YD	SQ YD
1	2.0	3.0		0.7
2	1.0	5.0	0.6	
3	1.0	5.0	0.6	
4	1.0	4.0	0.4	
TOTAL ROUNDS TO			2.0	1.0

Note:
An additional quantity of 25 SQ YD of Deck Slab Repair (Full Depth, Type I) and 15 SQ YD of Deck Slab Repair (Full Depth, Type II) has been included for any unpredicted repair locations through out 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: 10-23-24
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

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

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

MODEL: 096-0010 Sheet 16 [Sheet]
FILE NAME: c:\pw\work\hille\jlad1035705\074B78_096-0010 Repair Sheets.dgn

USER NAME	= jessica.hille	DESIGNED -	D. LANE	REVISED -	
		DRAWN -	D. LANE	REVISED -	
		CHECKED -	L. HILLE	REVISED -	
PLOT DATE	= 8/18/2025	DATE -	MAY 2025	REVISED -	

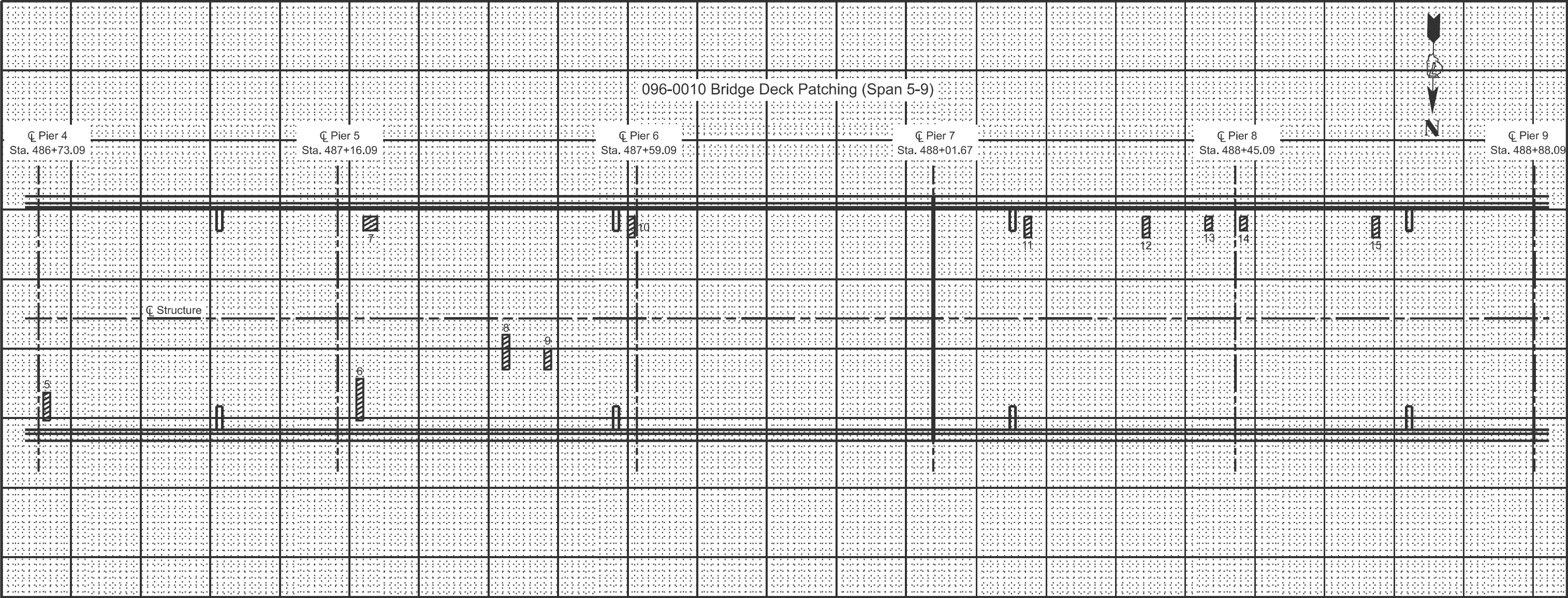
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 16 OF 34 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	35
CONTRACT NO. 74B78				
		ILLINOIS	FED. AID PROJECT	

MODEL: 096-0010 Sheet 17 (Sheet)
FILE NAME: c:\pw\work\hille\lad1035705\074B78_096-0010 Repair Sheets.dgn



PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
5	1.0	4.0	0.4	
6	1.0	6.0		0.7
7	2.0	2.0	0.4	
8	1.0	5.0	0.6	
9	1.0	3.0	0.3	
10	1.0	3.0	0.3	
11	1.0	3.0	0.3	
12	1.0	3.0	0.3	
13	1.0	2.0	0.2	
14	1.0	2.0	0.2	
15	1.0	3.0	0.3	
TOTAL ROUNDS TO			4.0	1.0

Note:
An additional quantity of 25 SQ YD of Deck Slab Repair (Full Depth, Type I) and 15 SQ YD of Deck Slab Repair (Full Depth, Type II) has been included for any unpredicted repair locations through out 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: 10-23-24
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

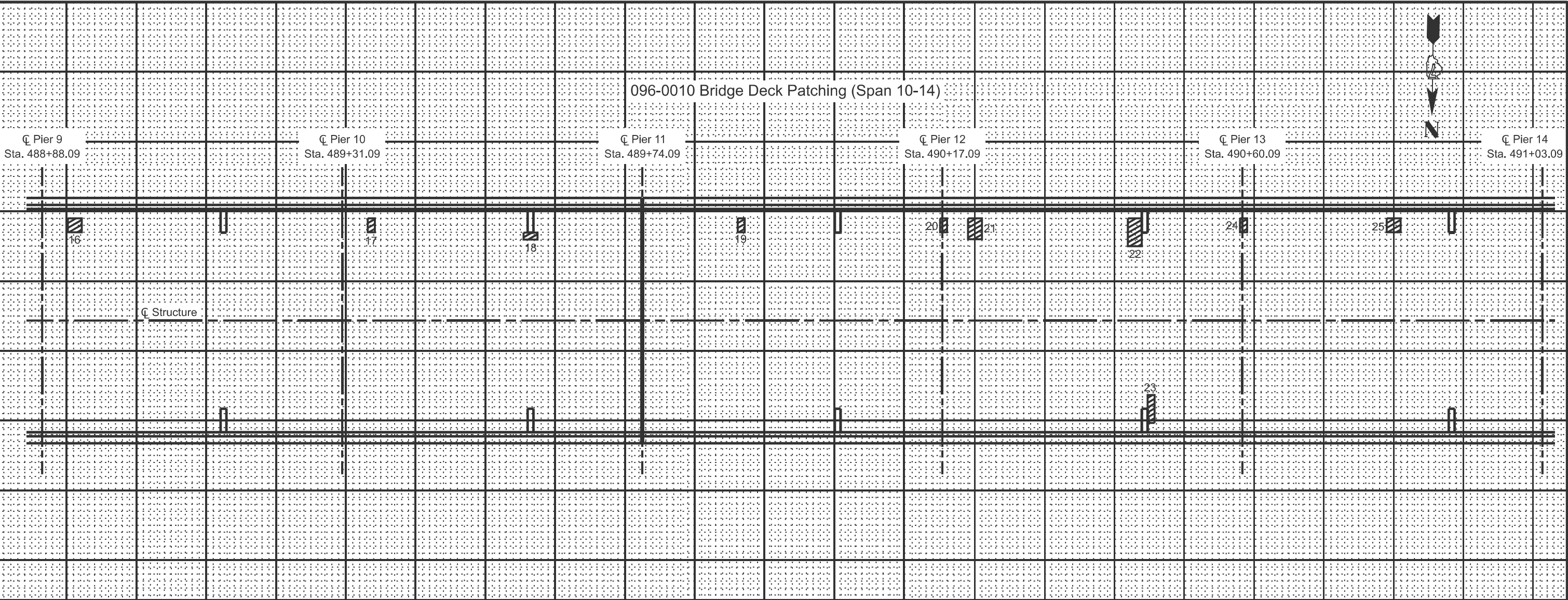
ESTIMATED
PAY QUANTITIES:

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

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

	USER NAME = jessica.hille		DESIGNED - D. LANE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE DECK PATCHING S.N. 096-0010				F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - D. LANE	REVISED -						823	D7 BRIDGE REPAIRS 2026-1		WAYNE	53	36
			CHECKED - L. HILLE	REVISED -						CONTRACT NO. 74B78					
	PLOT DATE = 8/18/2025		DATE - MAY 2025	REVISED -		SCALE: NOT TO SCALE		SHEET 17 OF 34 SHEETS		STA. TO STA.					
							ILLINOIS FED. AID PROJECT								

096-0010 Bridge Deck Patching (Span 10-14)



PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
16	2.0	2.0	0.4	
17	1.0	2.0	0.2	
18	2.0	1.0	0.2	
19	1.0	2.0	0.2	
20	1.0	2.0	0.2	
21	2.0	3.0		0.7
22	2.0	4.0		0.9
23	1.0	4.0	0.4	
24	1.0	2.0	0.2	
25	2.0	2.0	0.4	
TOTAL ROUNDS TO			3.0	2.0

Note:
An additional quantity of 25 SQ YD of Deck Slab Repair (Full Depth, Type I) and 15 SQ YD of Deck Slab Repair (Full Depth, Type II) has been included for any unpredicted repair locations through out 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: 10-23-24
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

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

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

MODEL: 096-0010 Sheet 18 [Sheet]
FILE NAME: c:\pwworking\hillead\1035705\096-0010 Repair Sheets.dgn

USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

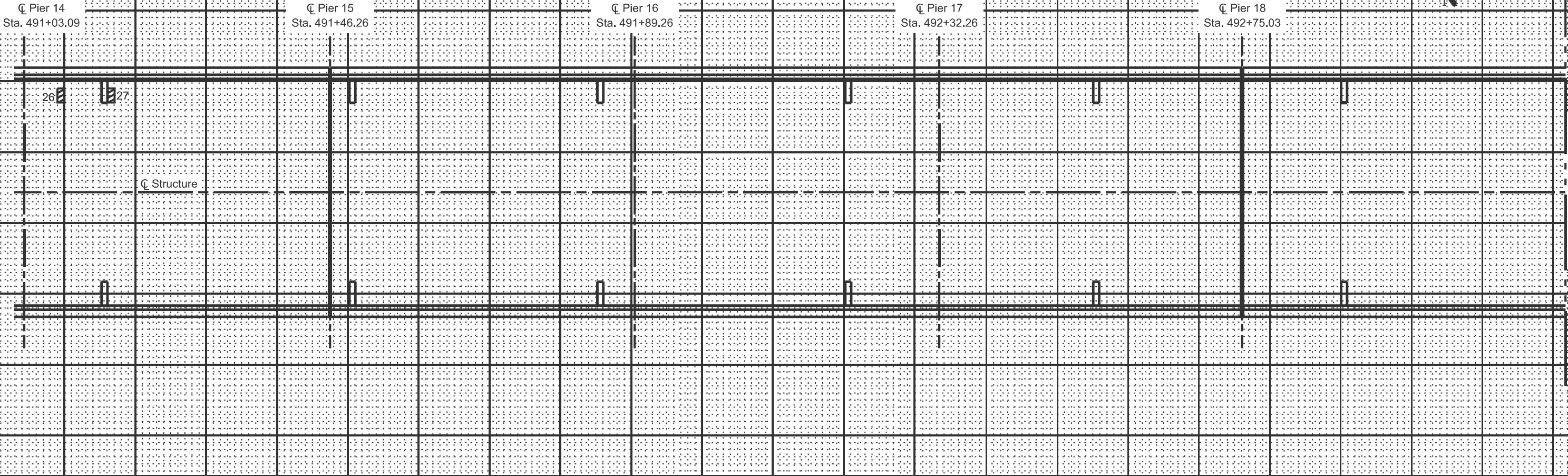
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 18 OF 34 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	37
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

096-0010 Bridge Deck Patching (Span 15-19)



PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
26	1.0	2.0	0.2	
27	1.0	2.0	0.2	
TOTAL ROUNDS TO			1.0	0.0

Note:
An additional quantity of 25 SQ YD of Deck Slab Repair (Full Depth, Type I) and 15 SQ YD of Deck Slab Repair (Full Depth, Type II) has been included for any unpredicted repair locations through out 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: 10-23-24
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

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

MODEL: 096-0010 Sheet 19 [Sheet]
FILE NAME: c:\pw\work\hille\035705\0774B78_096-0010 Repair Sheets.dgn

USER NAME	= jessica.hille	DESIGNED -	D. LANE	REVISED -	
		DRAWN -	D. LANE	REVISED -	
		CHECKED -	L. HILLE	REVISED -	
PLOT DATE	= 8/18/2025	DATE -	MAY 2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 096-0010

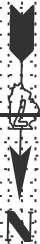
SCALE: NOT TO SCALE | SHEET 19 OF 34 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	38
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

096-0010 Bridge Deck Patching (Span 19-21)

Centerline Pier 19
Sta. 494+01.77

Centerline Pier 20
Sta. 495+28.53



MATCHLINE STA. 493+20.67

Centerline Structure

MATCHLINE STA. 495+39.69

PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
28	1.0	3.0	0.3	
29	1.0	3.0	0.3	
30	4.0	1.0	0.4	
31	2.0	3.0		0.7
32	2.0	1.0	0.2	
TOTAL ROUNDS TO			2.0	1.0

Note:
An additional quantity of 25 SQ YD of Deck Slab Repair (Full Depth, Type I) and 15 SQ YD of Deck Slab Repair (Full Depth, Type II) has been included for any unpredicted repair locations through out 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: 10-23-24
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

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

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

MODEL: 096-0010 Sheet 20 [Sheet]
FILE NAME: c:\pwworking\hillejlad1035705\0774B78_096-0010 Repair Sheets.dgn

USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

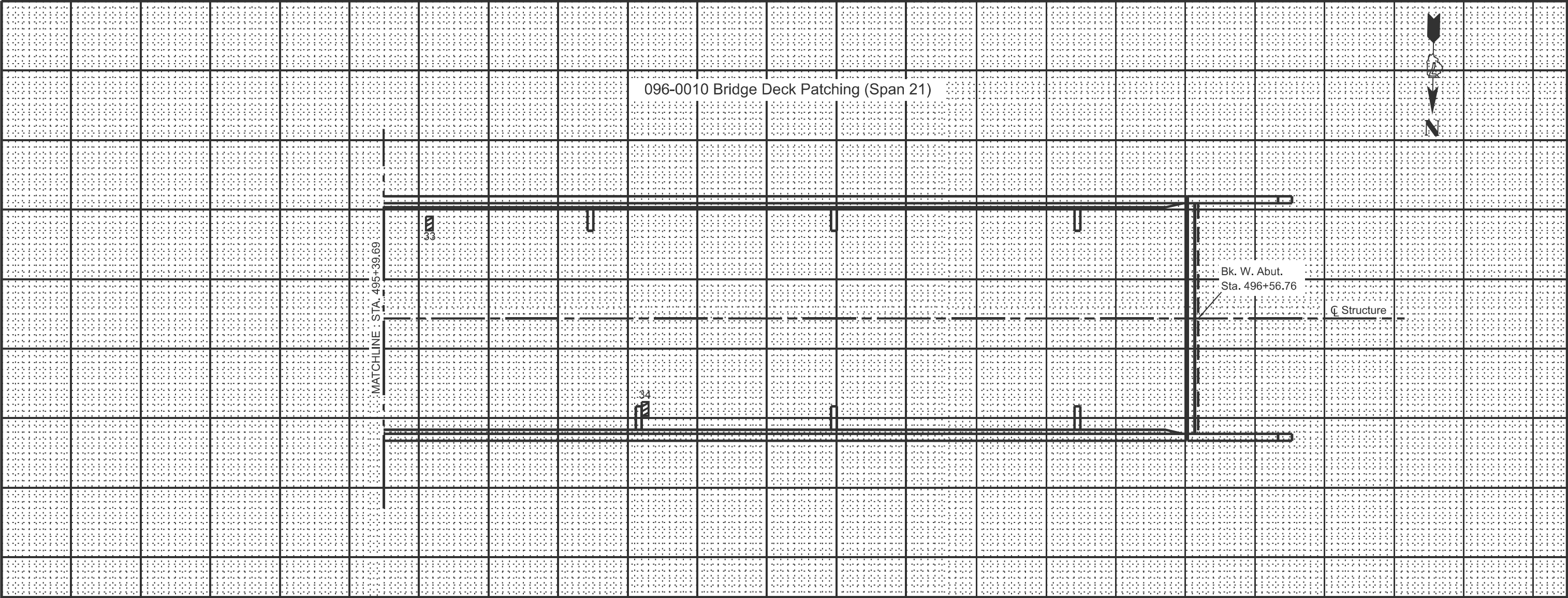
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 20 OF 34 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	39
CONTRACT NO. 74B78				
		ILLINOIS	FED. AID PROJECT	

MODEL: 096-0010 Sheet 21 [Sheet]
FILE NAME: c:\pw\work\hille\jlad1035705\074B78_096-0010 Repair Sheets.dgn



PATCH	SIZE		DECK SLAB REPAIR (FD TYPE I)	DECK SLAB REPAIR (FD TYPE II)
33	1.0	2.0	0.2	
34	1.0	2.0	0.2	
TOTAL ROUNDS TO			1.0	0.0

Note:
An additional quantity of 25 SQ YD of Deck Slab Repair (Full Depth, Type I) and 15 SQ YD of Deck Slab Repair (Full Depth, Type II) has been included for any unpredicted repair locations through out 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: 10-23-24
SURVEY BY: DRL
METHOD OF SURVEY: VISUAL

ESTIMATED
PAY QUANTITIES:

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

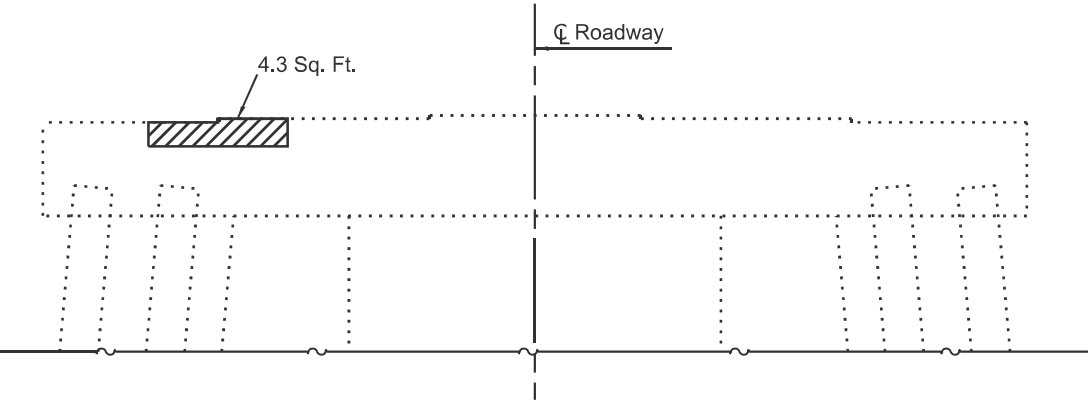
PLOT DATE	USER NAME = jessica.hille		DESIGNED - D. LANE	REVISED -
			DRAWN - D. LANE	REVISED -
			CHECKED - L. HILLE	REVISED -
	DATE = 8/18/2025		DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

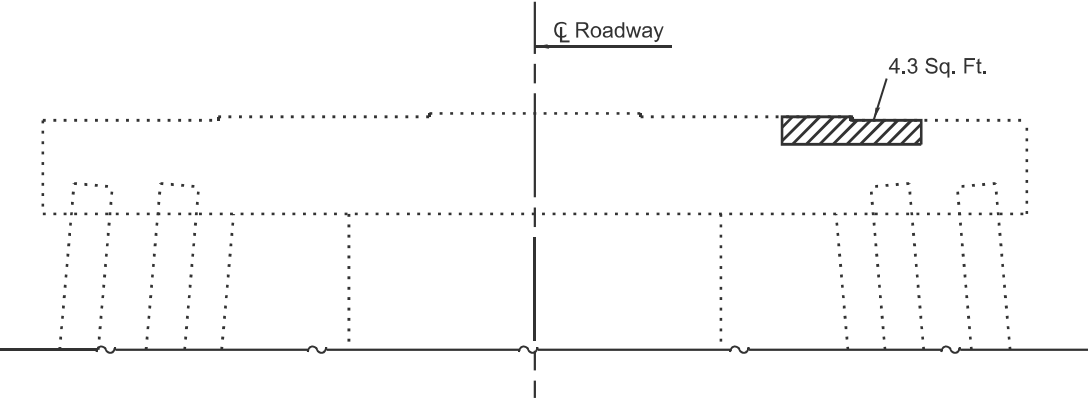
BRIDGE DECK PATCHING
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 21 OF 34 SHEETS STA. TO STA.

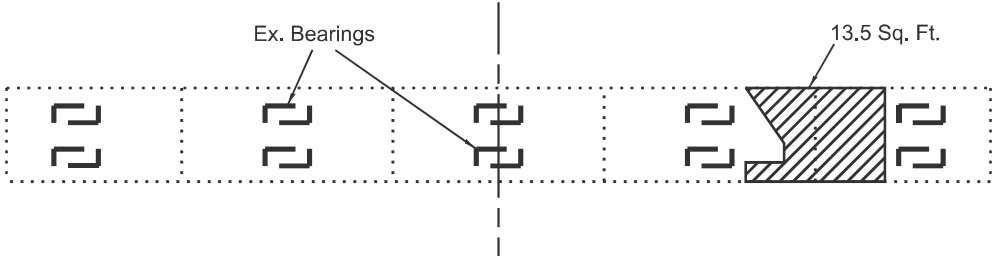
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	40
CONTRACT NO. 74B78				
		ILLINOIS	FED. AID PROJECT	



PIER 3
Looking East



PIER 3
Looking West



PIER 3 - PLAN VIEW

 Structural Repair of Concrete (Depth \leq 5")

NOTES

Quantities and locations are approximated.
Actual quantities and locations to be determined
in the field by the Engineer.

This work is intended to repair only areas of
severe deterioration. Some minor deteriorated
areas may be left unrepaired.

Do not disturb existing bearings.

BILL OF MATERIAL - PIER 3

Item	Unit	Total
Structural Repair of Concrete \leq 5 inches	Sq. Ft.	23

MODEL: 096-0010 Sheet 22 [Sheet]
FILE NAME: c:\p\work\wilco\hille\ad1035705\074B78_096-0010 Repair Sheets.dgn

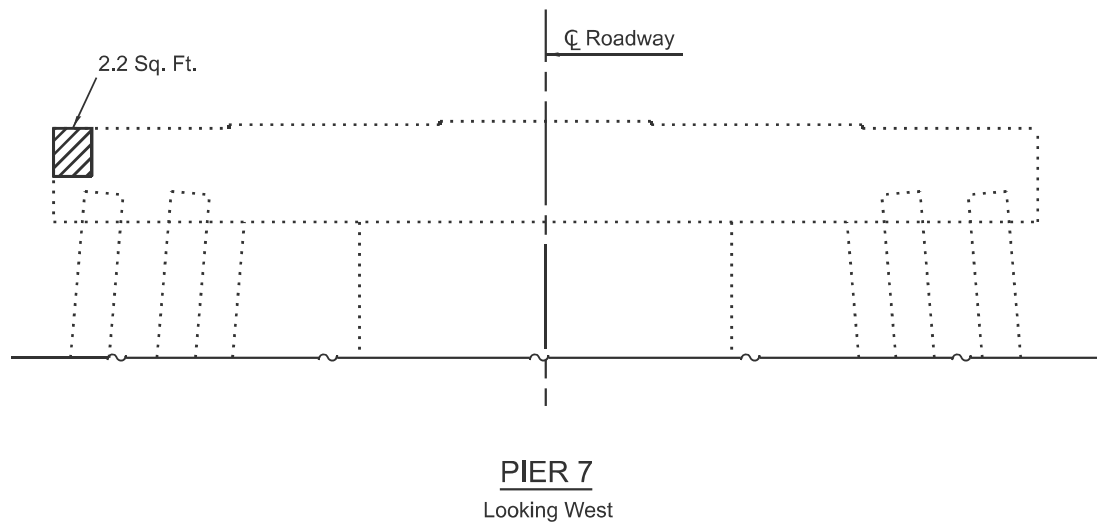
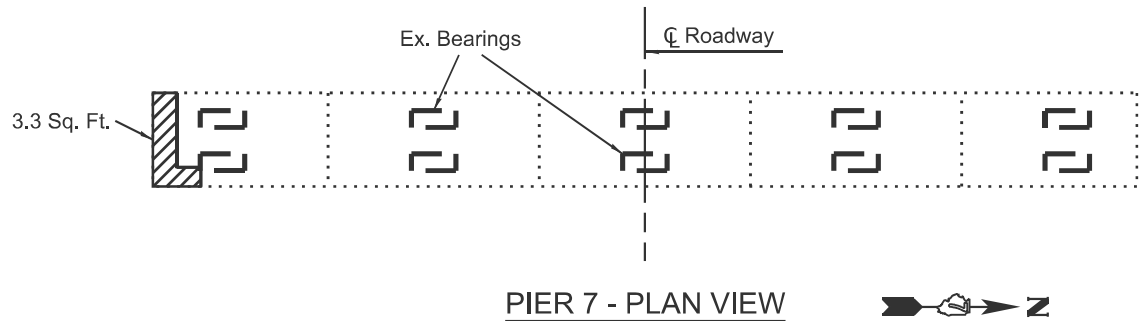
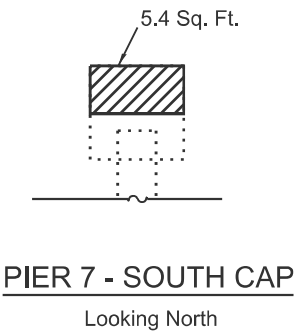
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 22 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	41
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



 Structural Repair of Concrete (Depth ≤ 5")

NOTES

Quantities and locations are approximated.
Actual quantities and locations to be determined
in the field by the Engineer.

This work is intended to repair only areas of
severe deterioration. Some minor deteriorated
areas may be left unrepaired.

Do not disturb existing bearings.

BILL OF MATERIAL - PIER 7

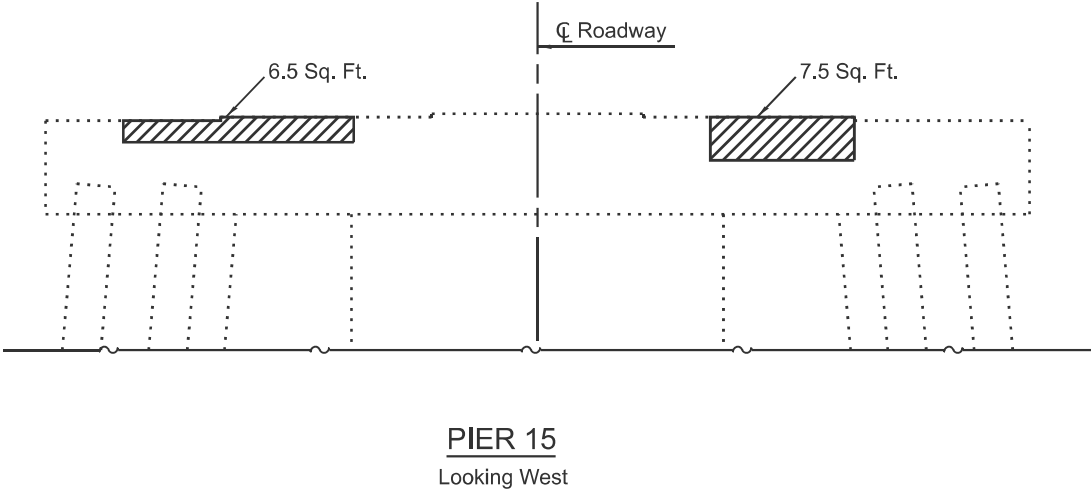
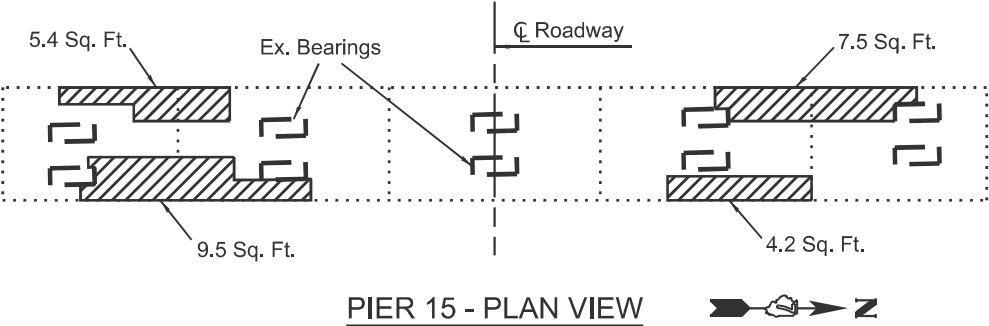
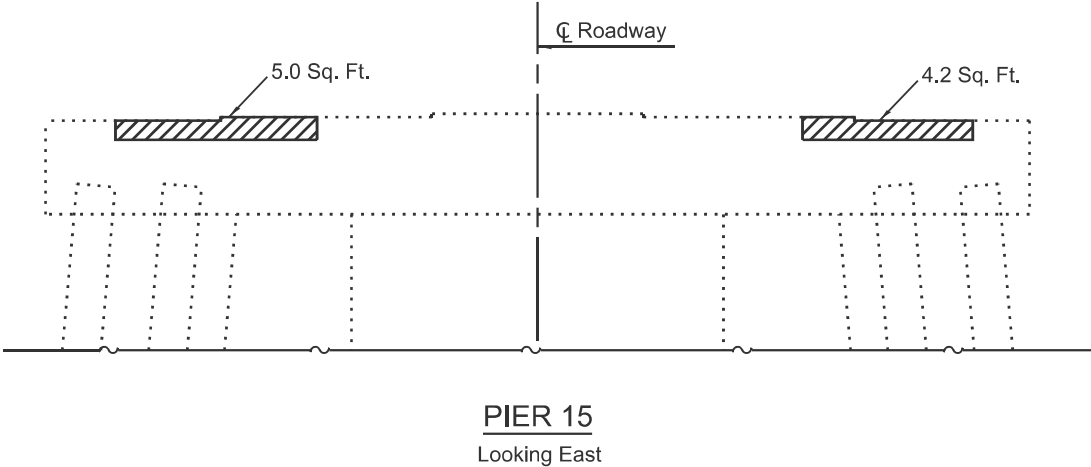
Item	Unit	Total
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 23 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	42
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



 Structural Repair of Concrete (Depth ≤ 5")

NOTES

Quantities and locations are approximated.
Actual quantities and locations to be determined
in the field by the Engineer.

This work is intended to repair only areas of
severe deterioration. Some minor deteriorated
areas may be left unrepaired.

Do not disturb existing bearings.

BILL OF MATERIAL - PIER 15

Item	Unit	Total
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	50

MODEL: 096-0010 Sheet 24 (Sheet)
FILE NAME: c:\p\work\wilshille\ad1035705\096-0010 Repair Sheets.dgn

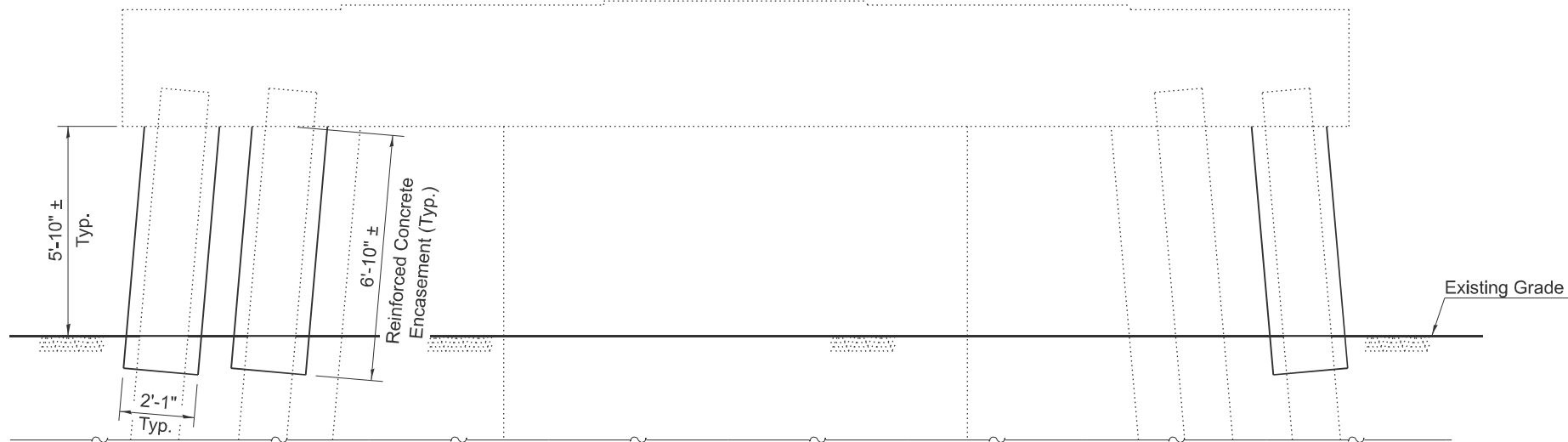
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 24 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	43
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

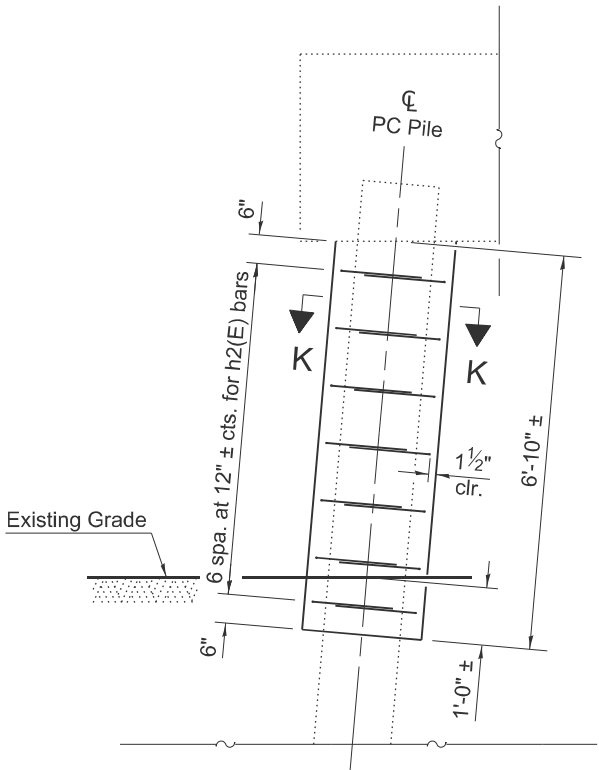


PIER 2 - ELEVATION

East Face

Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

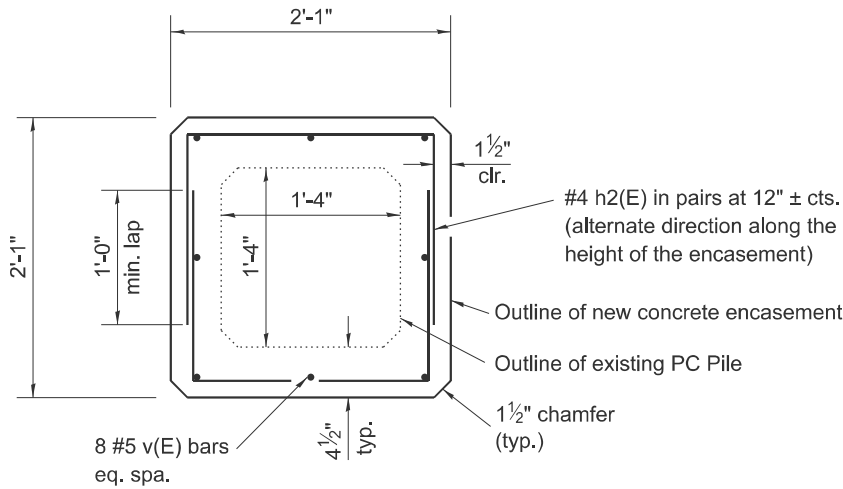
Any excavation required to perform the work shall be included in the cost of Concrete Structures.



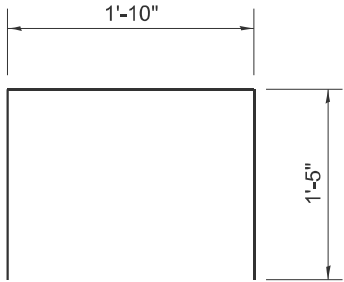
PILE ENCASEMENT DETAIL

(T yp. at 3 Piles)

Note: See Section K-K for location of v(E) bars.



SECTION K-K



BAR h2(E)

BILL OF MATERIAL - PIER 2

3 Encasements

Bar	No.	Size	Length	Shape
h2(E)	42	#4	4'-8"	
v(E)	24	#5	5'-10"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	2.0
Reinforcement Bars, Epoxy Coated			Pound	280

MODEL: 096-0010 Sheet 25 (Sheet)
FILE NAME: c:\pwworking\hillejad\1035705\074B78_096-0010 Repair Sheets.dgn

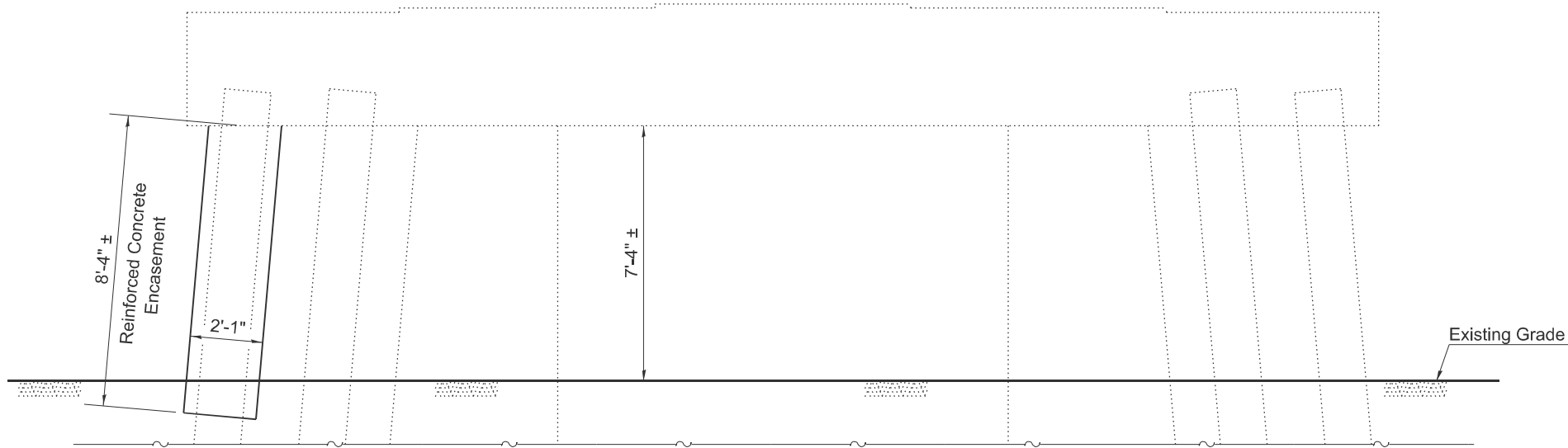
USER NAME = jessica.hille	DESIGNED -	D. LANE	REVISED -	
	DRAWN -	D. LANE	REVISED -	
	CHECKED -	L. HILLE	REVISED -	
	PLOT DATE =	8/18/2025	DATE -	MAY 2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 25 OF 34 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	44
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

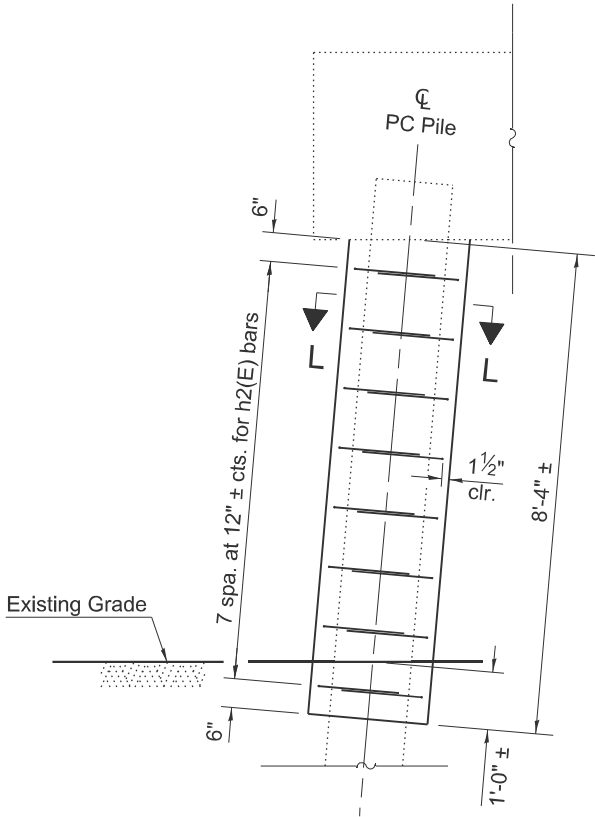


PIER 3 - ELEVATION

East Face

Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

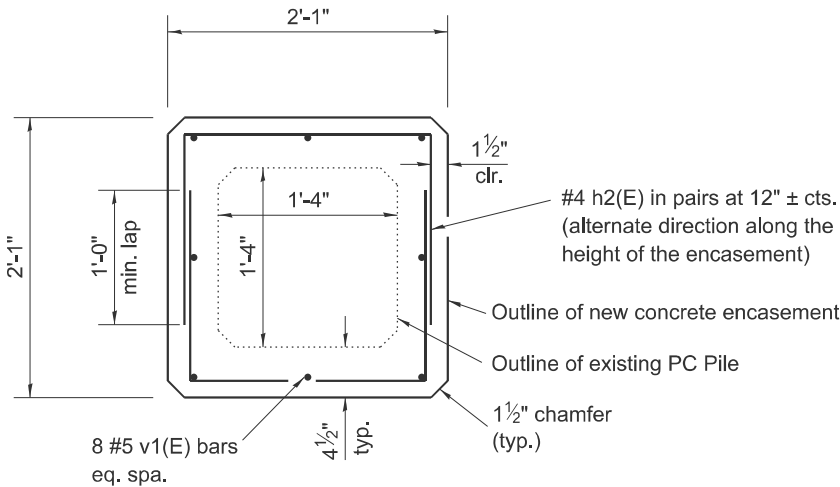
Any excavation required to perform the work shall be included in the cost of Concrete Structures.



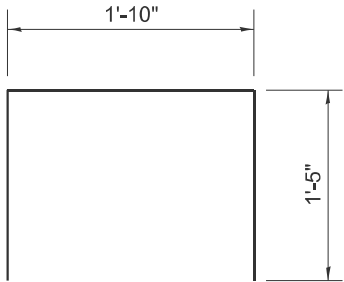
PILE ENCASEMENT DETAIL

(T yp. at 1 Pile)

Note: See Section L-L for location of v1(E) bars.



SECTION L-L



BAR h2(E)

BILL OF MATERIAL - PIER 3

1 Encasement

Bar	No.	Size	Length	Shape
h2(E)	16	#4	4'-8"	
v1(E)	8	#5	7'-4"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	0.8
Reinforcement Bars, Epoxy Coated			Pound	120

MODEL: 096-0010 Sheet 26 [Sheet]
FILE NAME: c:\pwworking\hillejad\1035705\074B78_096-0010 Repair Sheets.dgn

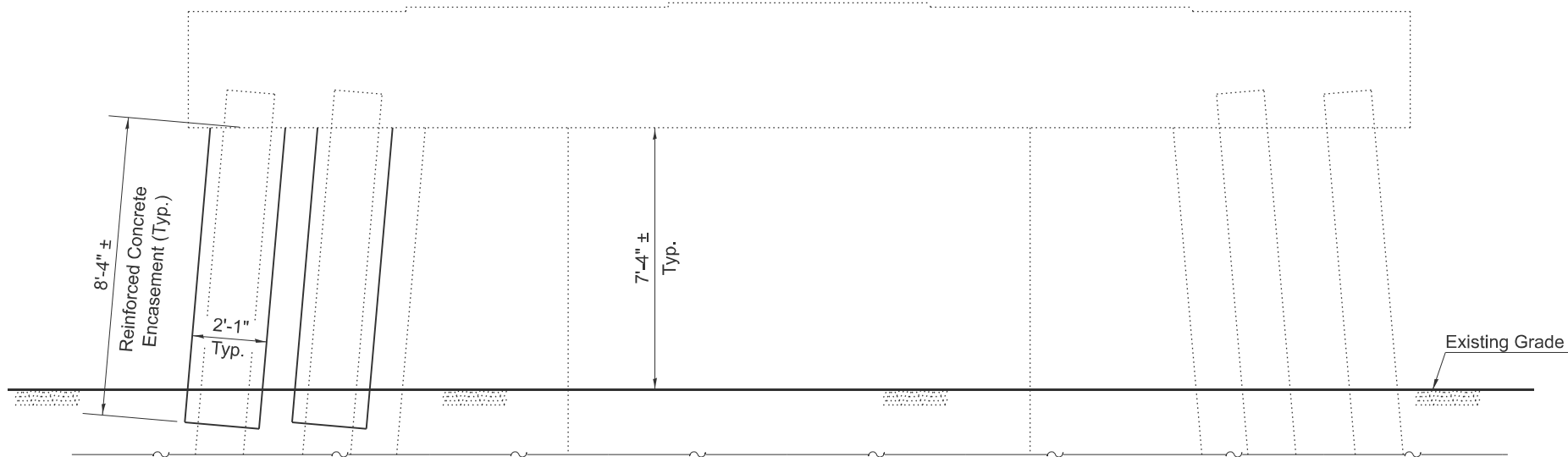
PLOT DATE = 8/18/2025	USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
		DRAWN - D. LANE	REVISED -
		CHECKED - L. HILLE	REVISED -
		DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 26 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	45
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

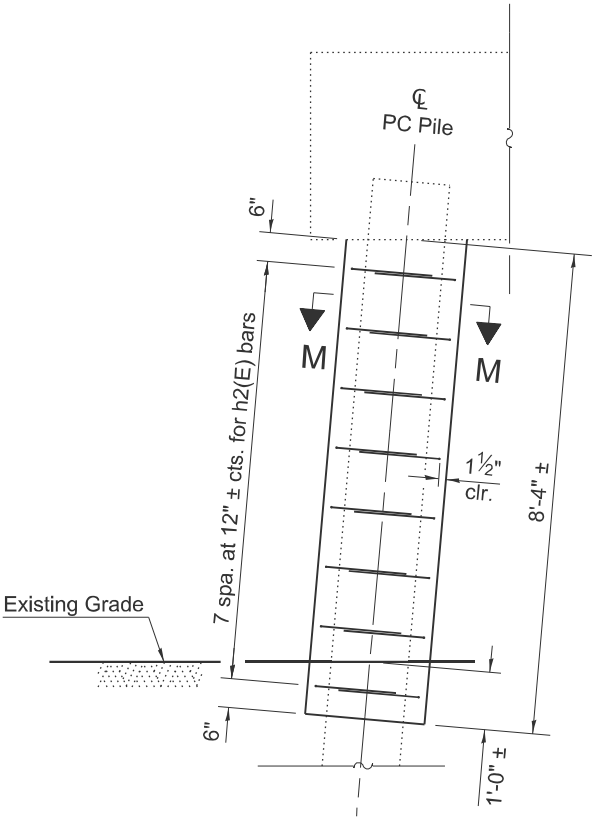


PIER 4 - ELEVATION

East Face

Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

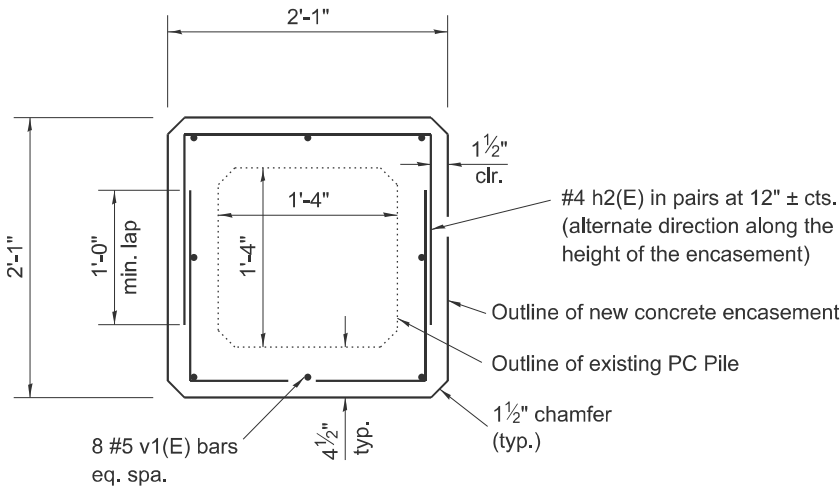
Any excavation required to perform the work shall be included in the cost of Concrete Structures.



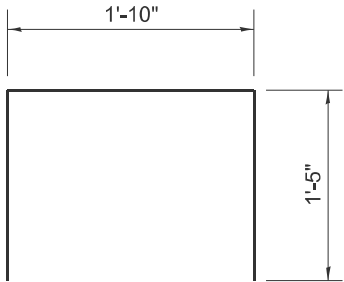
PILE ENCASEMENT DETAIL

(T yp. at 2 Piles)

Note: See Section M-M for location of v1(E) bars.



SECTION M-M



BAR h2(E)

BILL OF MATERIAL - PIER 4

2 Encasement

Bar	No.	Size	Length	Shape
h2(E)	32	#4	4'-8"	
v1(E)	16	#5	7'-4"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	1.6
Reinforcement Bars, Epoxy Coated			Pound	230

MODEL: 096-0010 Sheet 27 (Sheet)
FILE NAME: c:\p\work\hille\ad1035705\D774B78_096-0010 Repair Sheets.dgn

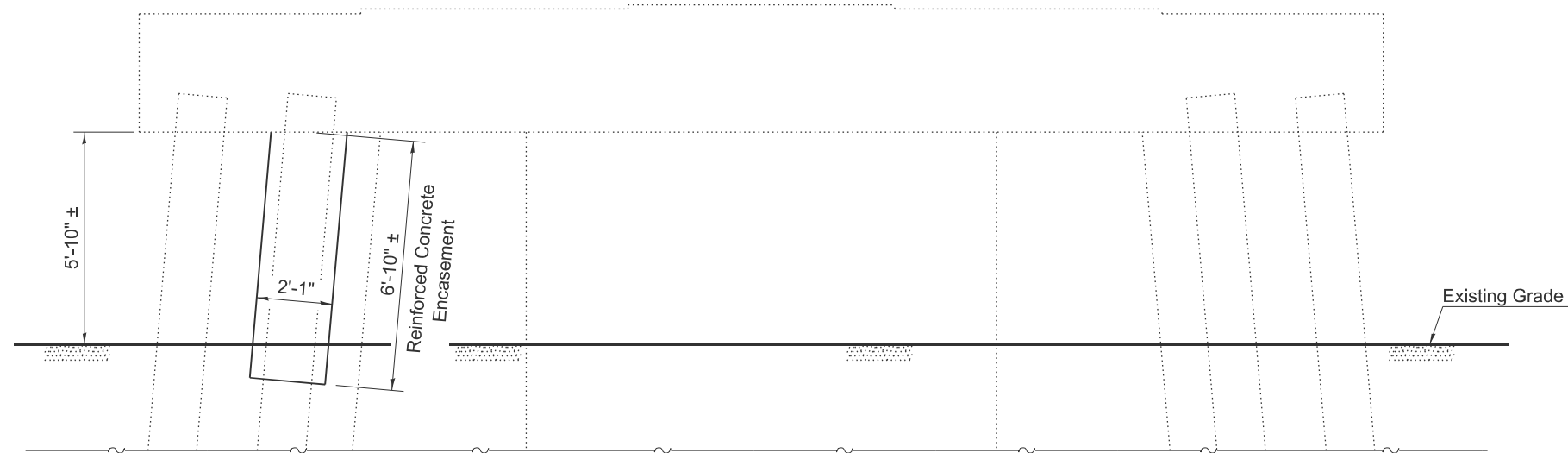
PLOT DATE = 8/18/2025	USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
		DRAWN - D. LANE	REVISED -
		CHECKED - L. HILLE	REVISED -
		DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 27 OF 34 SHEETS STA. TO STA.

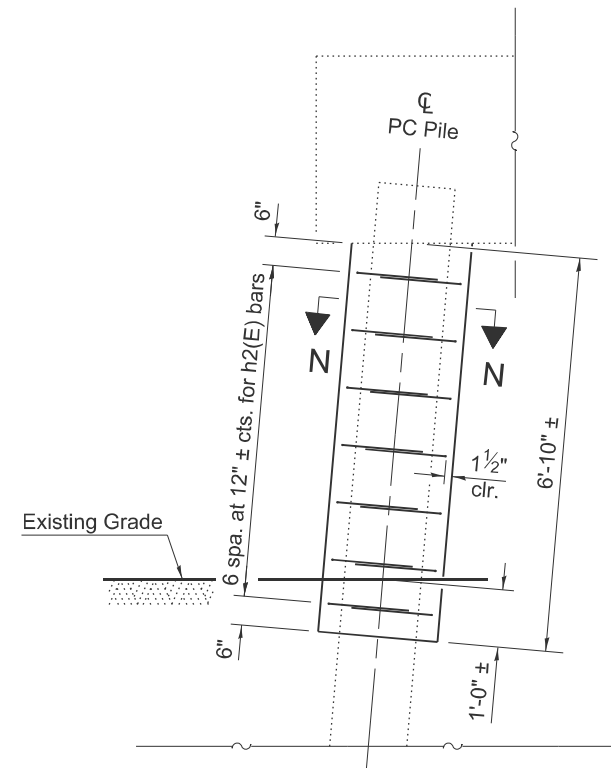
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	46
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



PIER 5 - ELEVATION
East Face

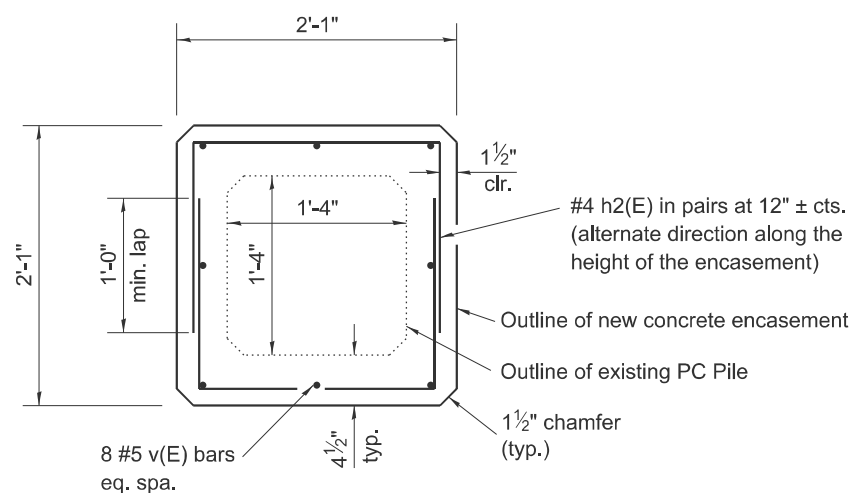
Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

Any excavation required to perform the work shall be included in the cost of Concrete Structures.

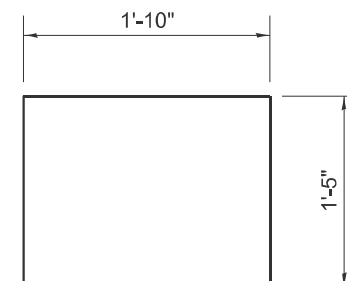


PILE ENCASEMENT DETAIL
(T yp. at 1 Pile)

Note: See Section N-N for location of v(E) bars.





SECTION N-N



BAR h2(E)

BILL OF MATERIAL - PIER 5
1 Encasement

Bar	No.	Size	Length	Shape
h2(E)	14	#4	4'-8"	
v(E)	8	#5	5'-10"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	0.7
Reinforcement Bars, Epoxy Coated			Pound	100

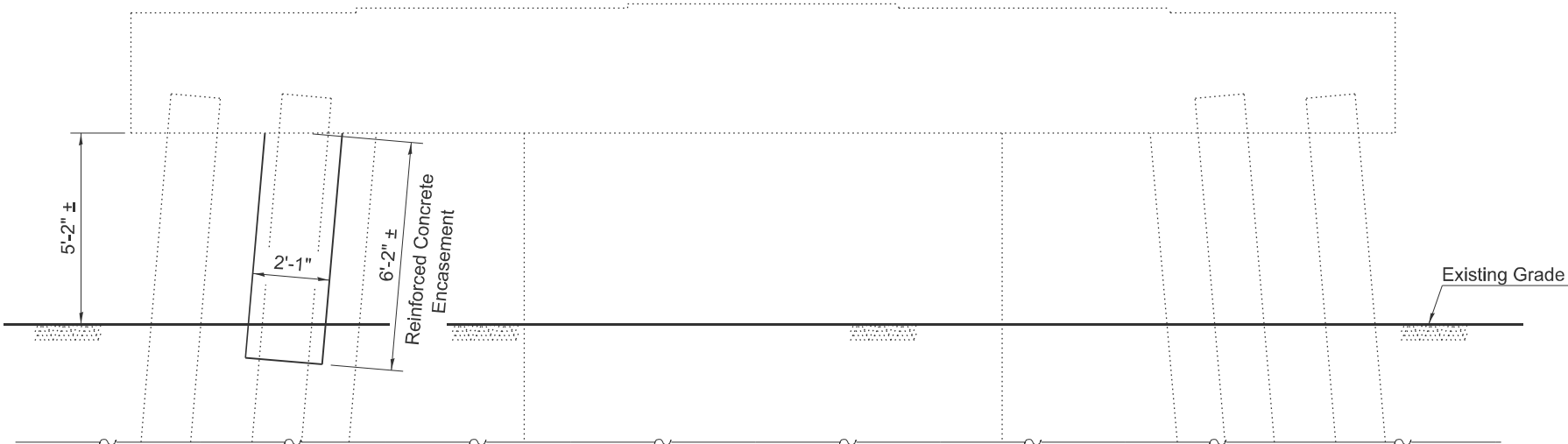
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 28 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	47
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

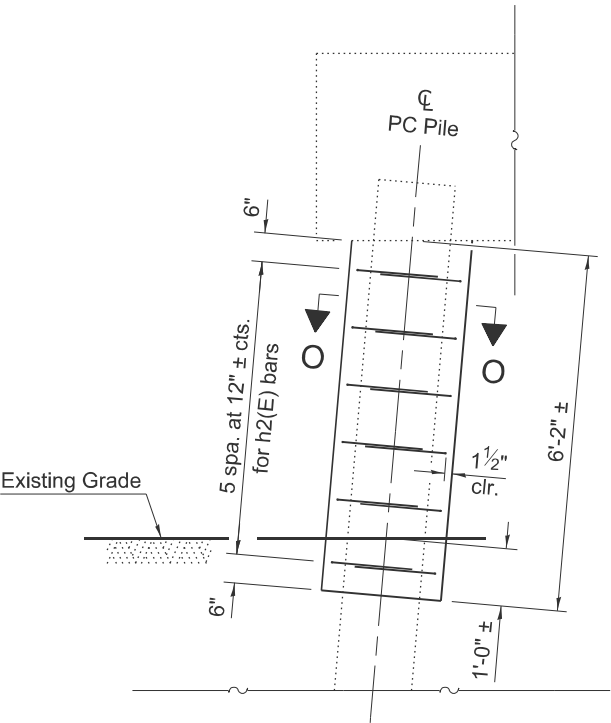


PIER 8 - ELEVATION

East Face

Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Strucutres.

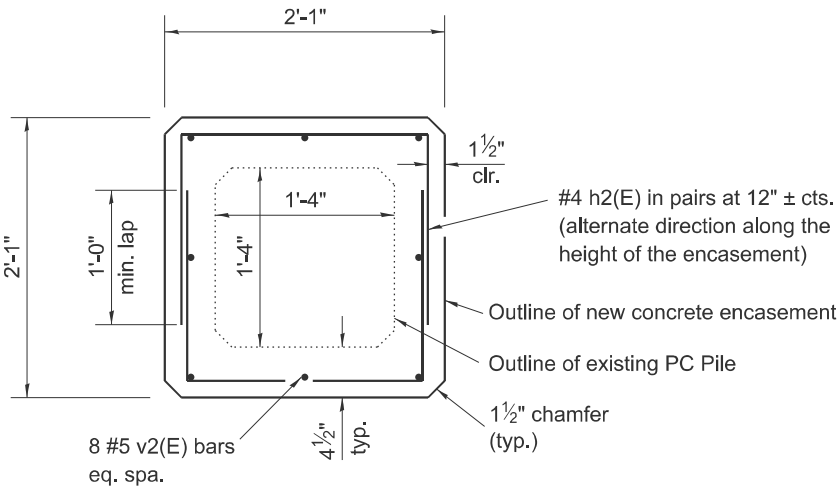
Any excavation required to perform the work shall be included in the cost of Concrete Structures.



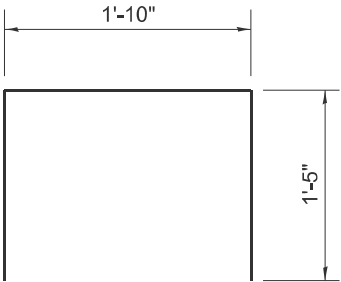
PILE ENCASEMENT DETAIL

(T yp. at 1 Pile)

Note: See Section O-O for location of v2(E) bars.



SECTION O-O



BAR h2(E)

BILL OF MATERIAL - PIER 8

1 Encasement

Bar	No.	Size	Length	Shape
h2(E)	12	#4	4'-8"	
v2(E)	8	#5	5'-2"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	0.6
Reinforcement Bars, Epoxy Coated			Pound	90

MODEL: 096-0010 Sheet 29 [Sheet]
FILE NAME: c:\pwwork\jhill\jlad1035705\074B78_096-0010 Repair Sheets.dgn

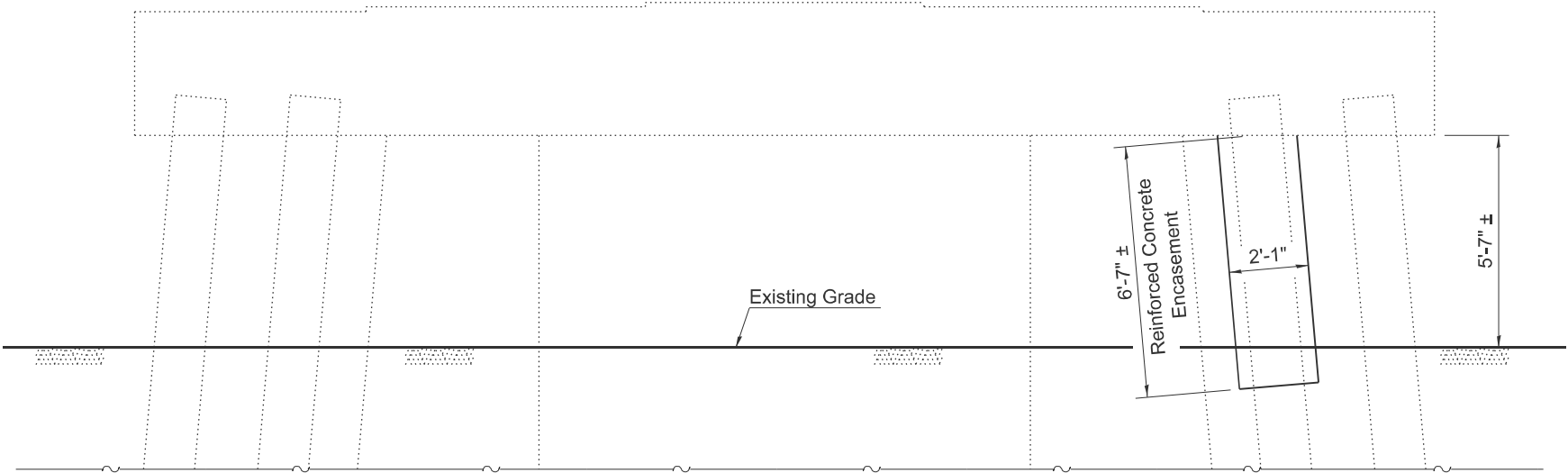
USER NAME = jessica.hille	DESIGNED -	D. LANE	REVISED -	
	DRAWN -	D. LANE	REVISED -	
	CHECKED -	L. HILLE	REVISED -	
	PLOT DATE =	8/18/2025	DATE -	MAY 2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 29 OF 34 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	48
ILLINOIS FED. AID PROJECT				

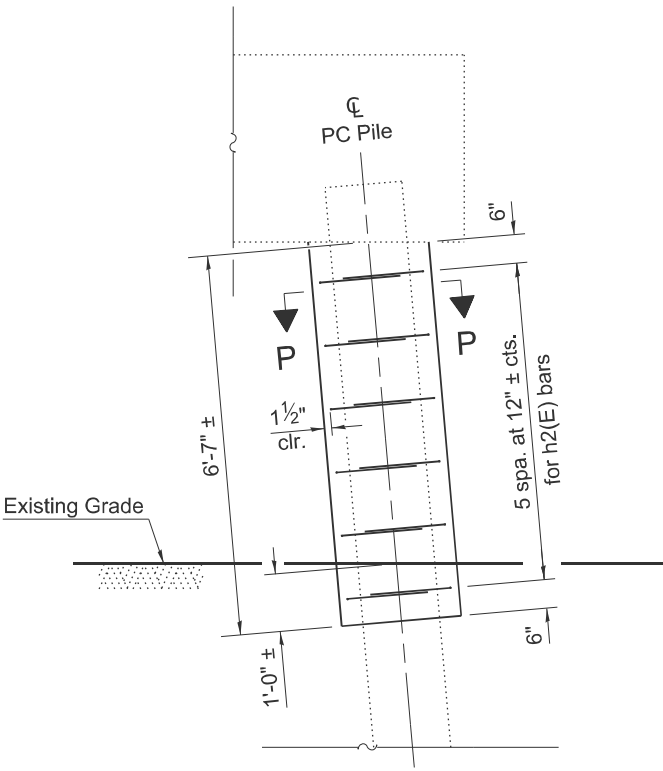


PIER 10 - ELEVATION

East Face

Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

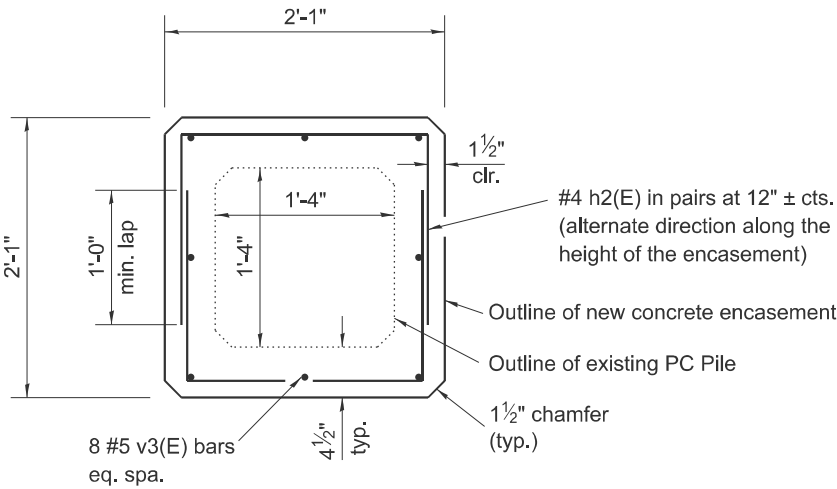
Any excavation required to perform the work shall be included in the cost of Concrete Structures.



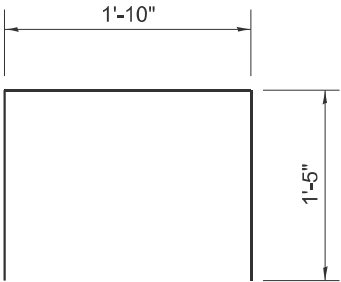
PILE ENCASEMENT DETAIL

(T yp. at 1 Pile)

Note: See Section P-P for location of v3(E) bars.



SECTION P-P



BAR h2(E)

BILL OF MATERIAL - PIER 10

1 Encasement

Bar	No.	Size	Length	Shape
h2(E)	12	#4	4'-8"	
v3(E)	8	#5	5'-7"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	0.6
Reinforcement Bars, Epoxy Coated			Pound	90

MODEL: 096-0010 Sheet 30 (Sheet)
FILE NAME: c:\pwwork\hillej\ad1035705\D774B78_096-0010 Repair Sheets.dgn

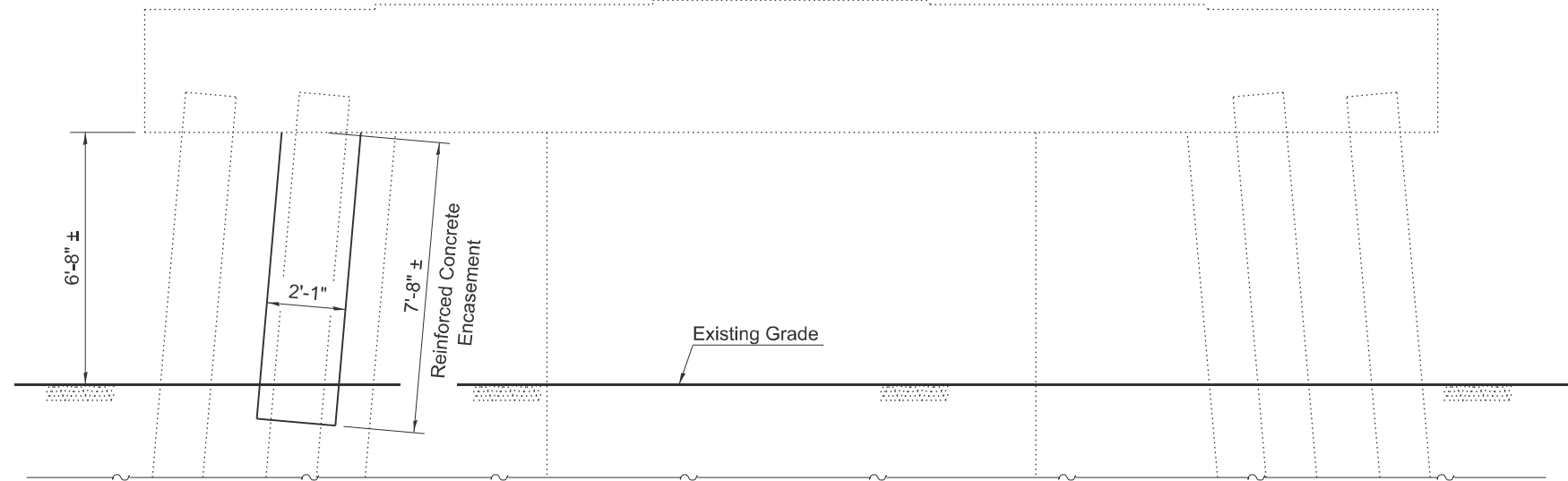
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 30 OF 34 SHEETS STA. TO STA.

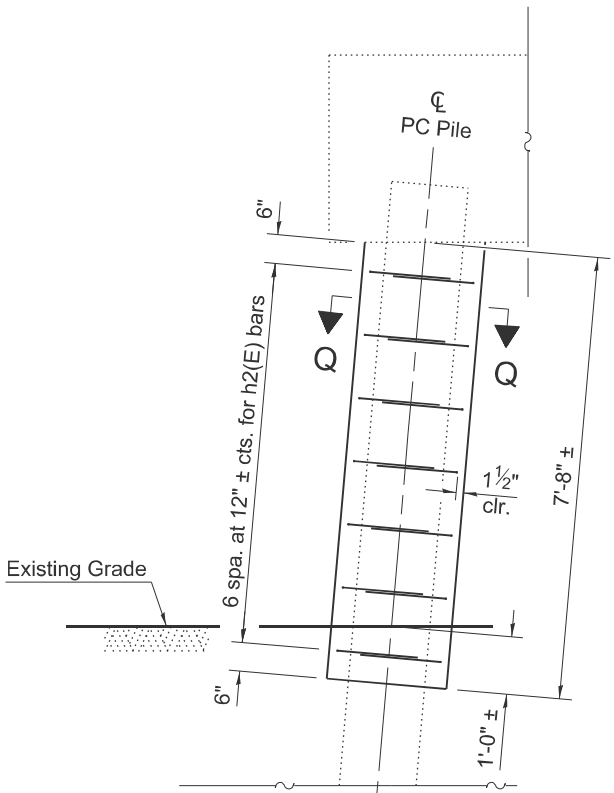
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	49
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



PIER 11 - ELEVATION
East Face

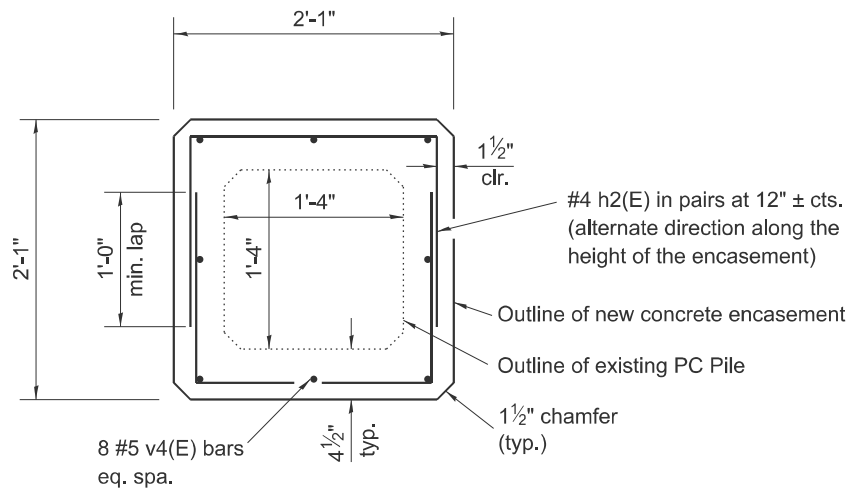
Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

Any excavation required to perform the work shall be included in the cost of Concrete Structures.

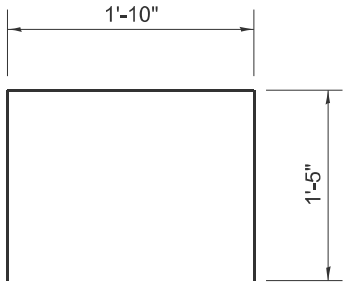


PILE ENCASEMENT DETAIL
(T yp. at 1 Pile)

Note: See Section Q-Q for location of v4(E) bars.



SECTION Q-Q



BAR h2(E)

BILL OF MATERIAL - PIER 11
1 Encasement

Bar	No.	Size	Length	Shape
h2(E)	14	#4	4'-8"	
v4(E)	8	#5	6'-8"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	0.7
Reinforcement Bars, Epoxy Coated			Pound	100

MODEL: 096-0010 Sheet 31 (Sheet)
FILE NAME: c:\p\work\p\hille\ad1035705\D774B78_096-0010 Repair Sheets.dgn

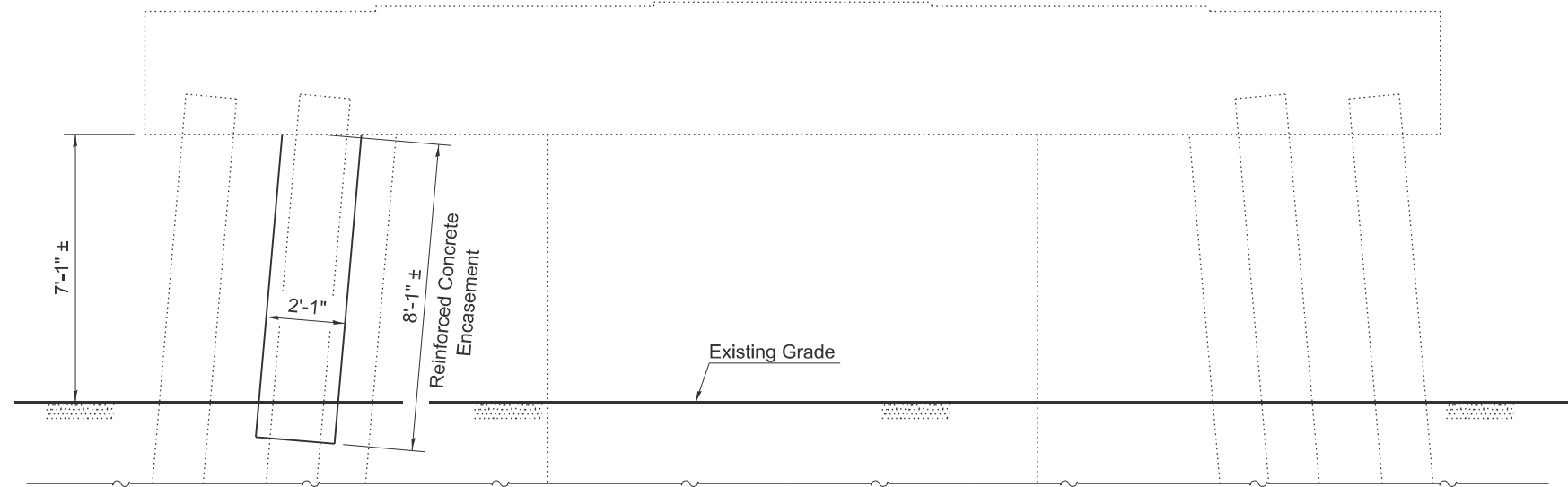
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 31 OF 34 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	50
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

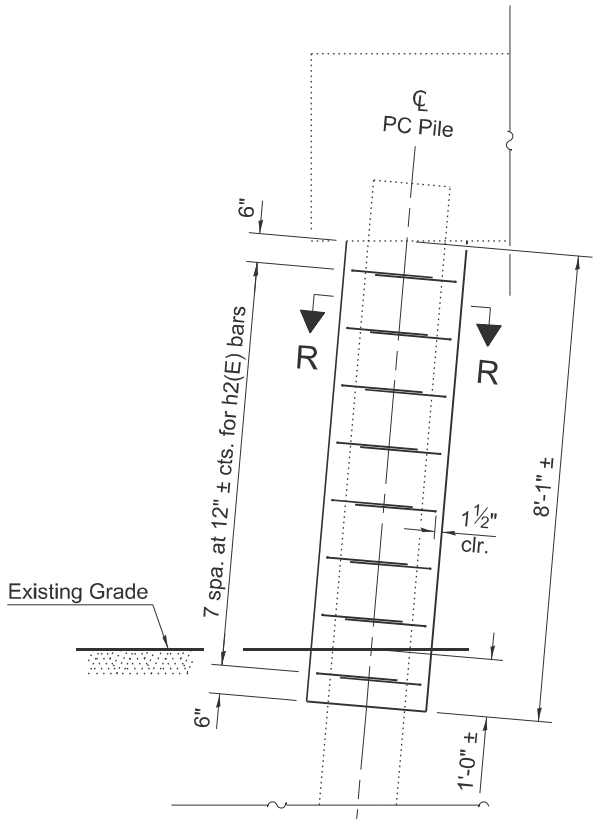


PIER 12 - ELEVATION

East Face

Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

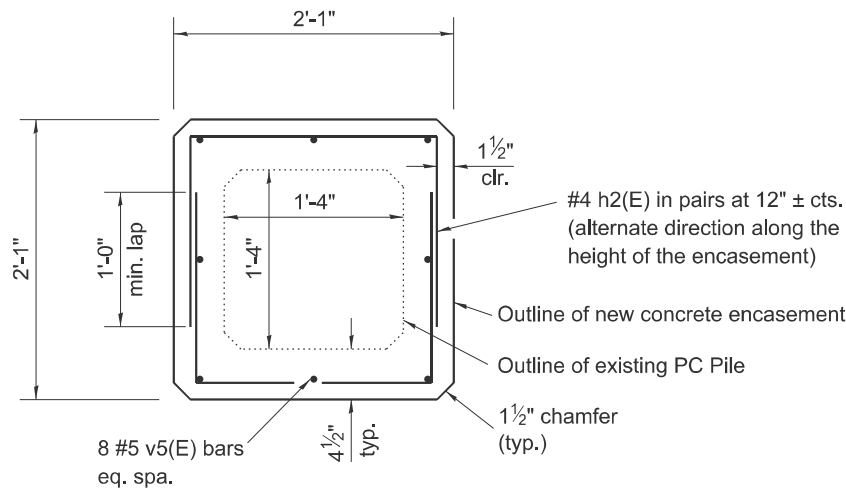
Any excavation required to perform the work shall be included in the cost of Concrete Structures.



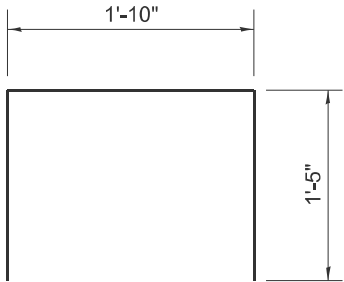
PILE ENCASEMENT DETAIL

(T yp. at 1 Pile)

Note: See Section R-R for location of v5(E) bars.



SECTION R-R



BAR h2(E)

BILL OF MATERIAL - PIER 12

1 Encasement

Bar	No.	Size	Length	Shape
h2(E)	16	#4	4'-8"	
v5(E)	8	#5	7'-1"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	0.8
Reinforcement Bars, Epoxy Coated			Pound	110

MODEL: 096-0010 Sheet 32 (Sheet)
FILE NAME: c:\pwworking\hillejlad\1035705\074B78_096-0010 Repair Sheets.dgn

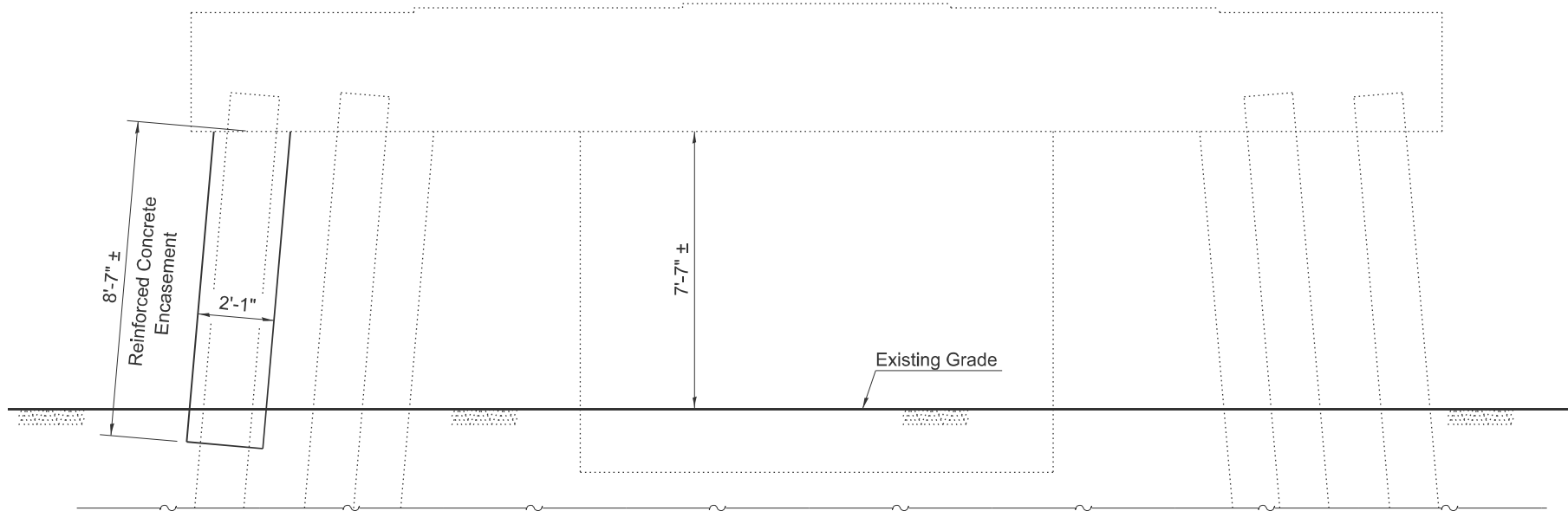
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 32 OF 34 SHEETS STA. TO STA.

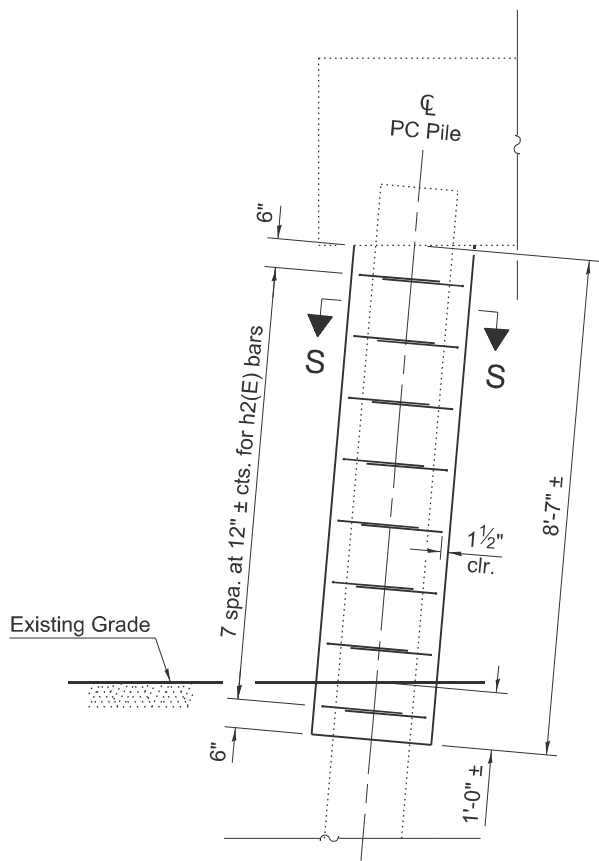
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	51
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



PIER 13 - ELEVATION
East Face

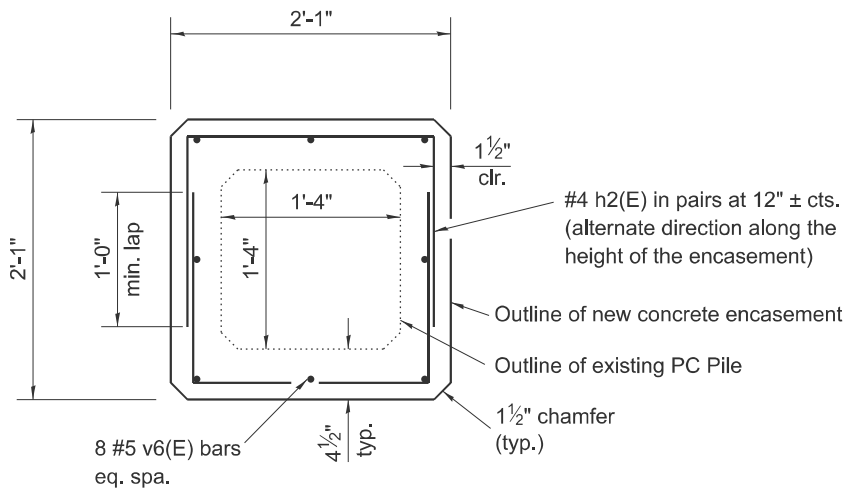
Note: All unsound concrete on piles to be encased shall be removed prior to pile encasement. Cost included in Concrete Structures.

Any excavation required to perform the work shall be included in the cost of Concrete Structures.

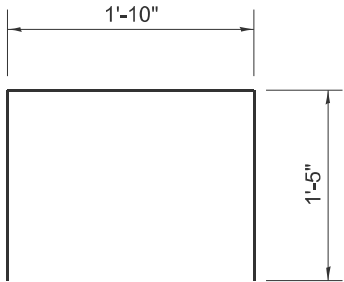


PILE ENCASEMENT DETAIL
(T yp. at 1 Pile)

Note: See Section S-S for location of v6(E) bars.



SECTION S-S



BAR h2(E)

BILL OF MATERIAL - PIER 13
1 Encasement

Bar	No.	Size	Length	Shape
h2(E)	16	#4	4'-8"	
v6(E)	8	#5	7'-7"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	0.8
Reinforcement Bars, Epoxy Coated			Pound	120

MODEL: 096-0010 Sheet 33 (Sheet)
FILE NAME: c:\p\work\p\hille\ad1035705\D774B78_096-0010 Repair Sheets.dgn

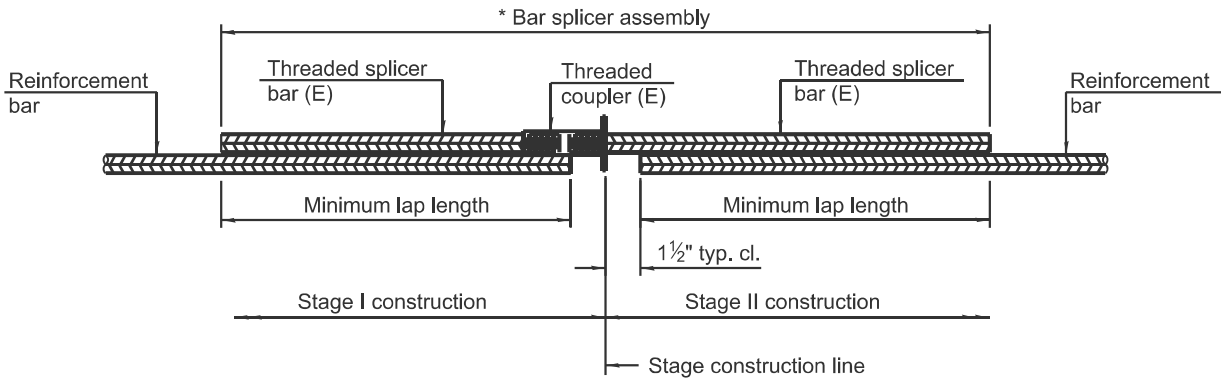
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PC PILE ENCASEMENT
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 33 OF 34 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	52
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



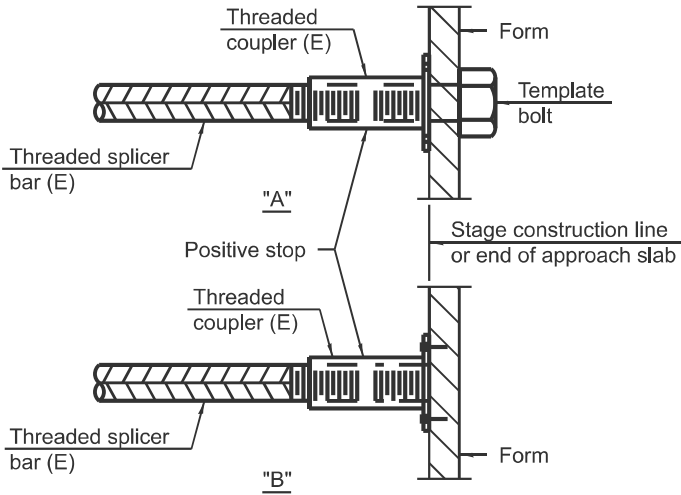
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 1½" + 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
E. Abut. Hatch Block	#6	4	4'-5"
E. Abut. Deck	#5	13	3'-10"
Pier 3	#5	20	3'-10"
Pier 7	#5	20	3'-10"
Pier 11	#5	20	3'-10"
Pier 15	#5	20	3'-10"
Pier 18	#5	20	3'-10"
W. Abut. Deck	#5	13	3'-10"
W. Abut. Hatch Block	#6	4	4'-5"

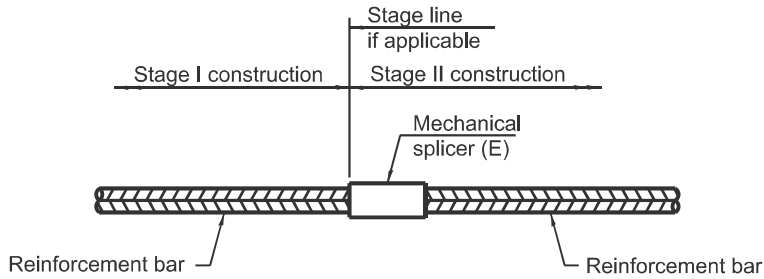


INSTALLATION AND SETTING METHODS

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

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

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar Size	No. assemblies required
		.

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

BSD-1

5-15-2023

MODEL: 096-0010 Sheet 34 (Sheet)
FILE NAME: c:\pwworking\hillead\1035705\074B78_096-0010 Repair Sheets.dgn

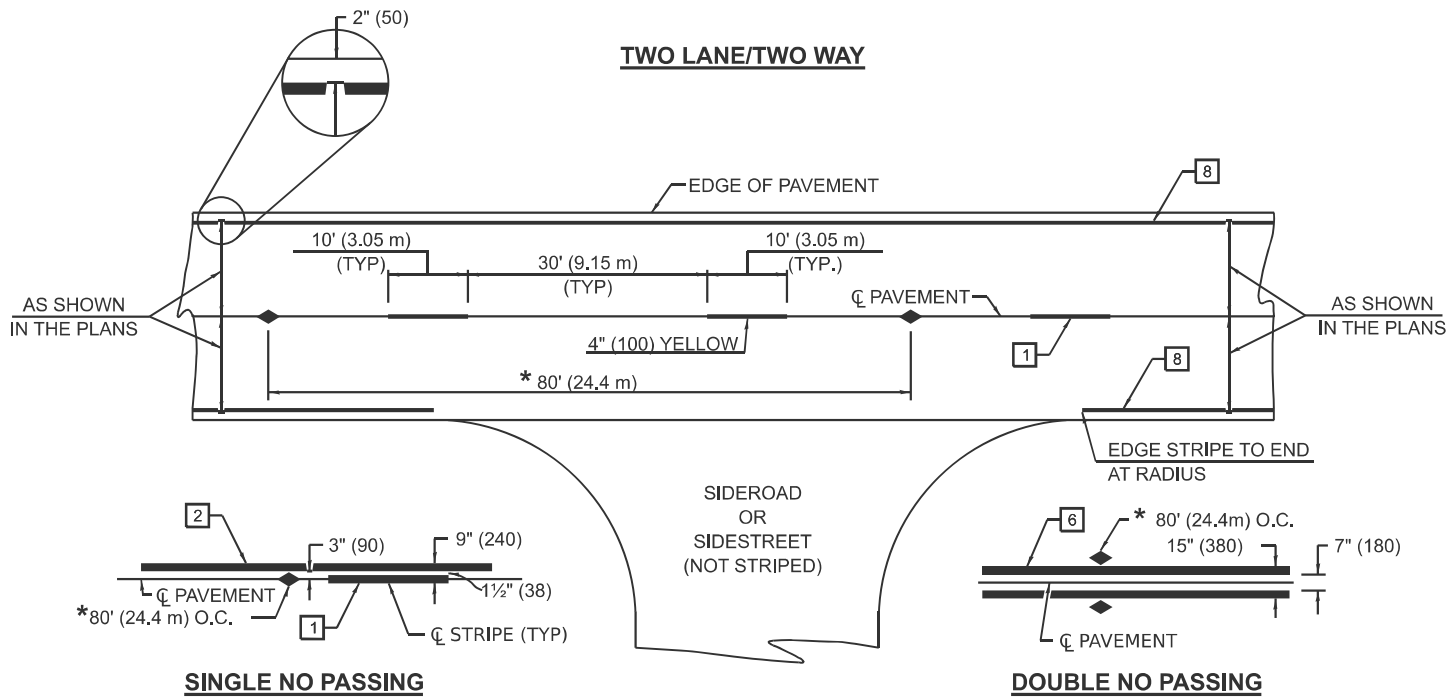
USER NAME = jessica.hille	DESIGNED - D. LANE	REVISED -
	DRAWN - D. LANE	REVISED -
	CHECKED - L. HILLE	REVISED -
PLOT DATE = 8/18/2025	DATE - MAY 2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
S.N. 096-0010

SCALE: NOT TO SCALE SHEET 34 OF 34 SHEETS STA. TO STA.

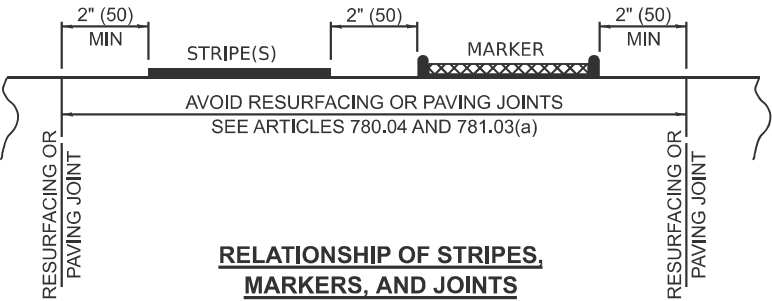
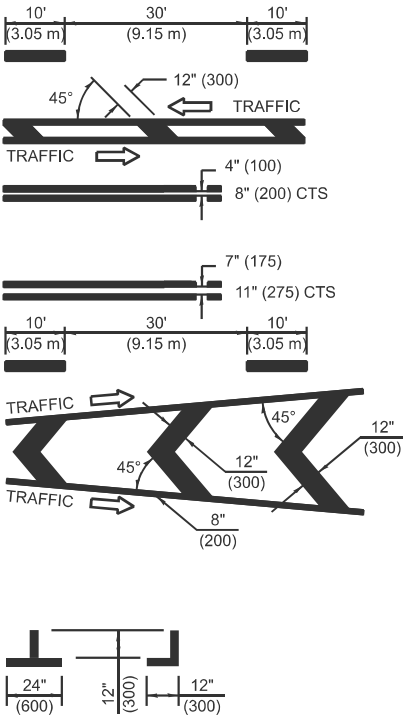
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	53	53
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				



* 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

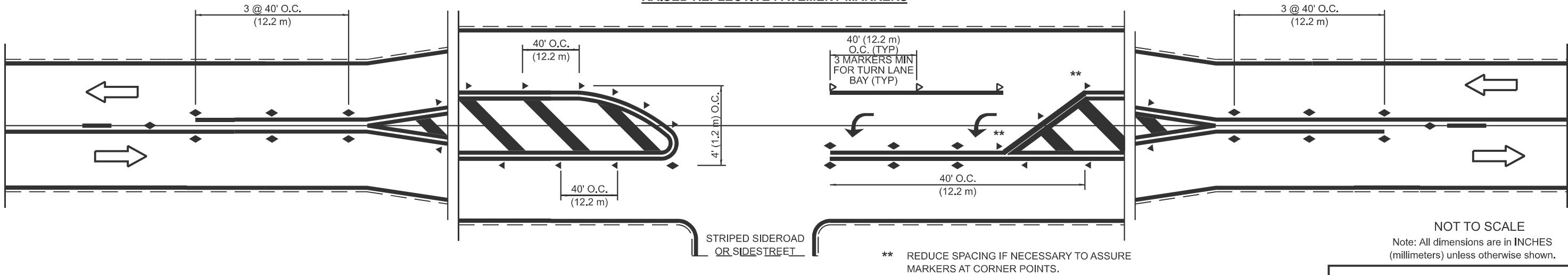
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID (WHITE)
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 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	= 8/18/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

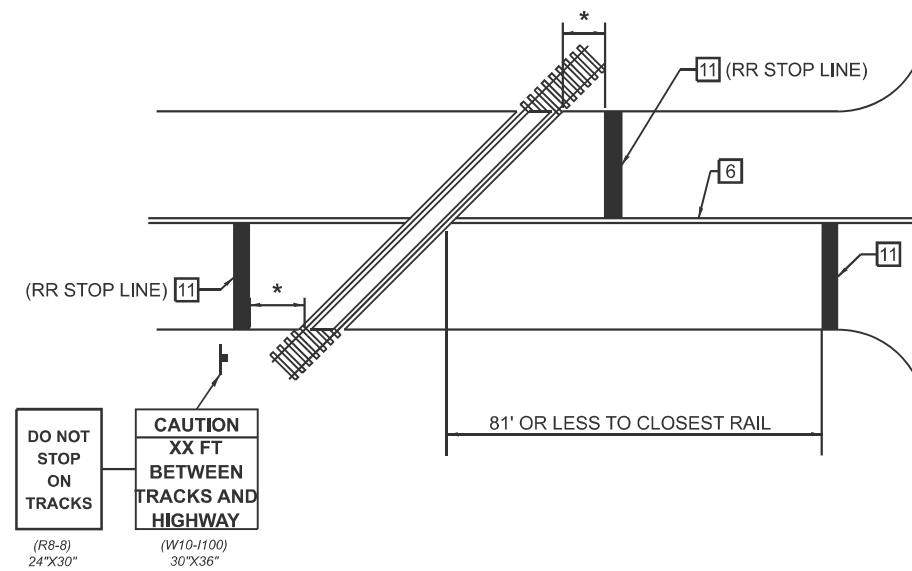
SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	54
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

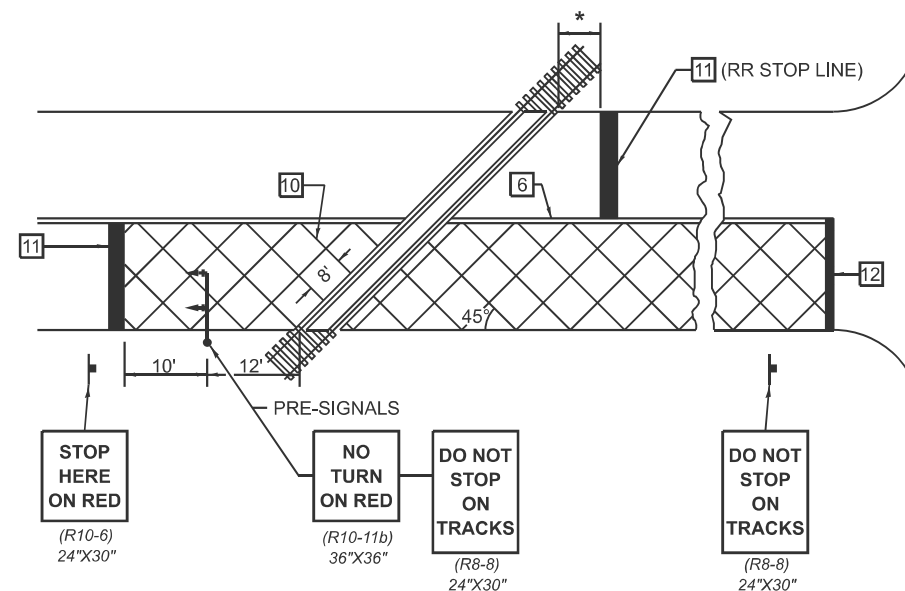
MODEL: D7 Detail 78000001 - 1 [Sheet]
FILE NAME: c:\paw_work\wvdot\hillejald\0355693\0774B78-shld-D7 Pav Marking Detail.dgn

PAVEMENT MARKING LEGEND

RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



-

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY 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.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	57
		CONTRACT NO. 74B78		
		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

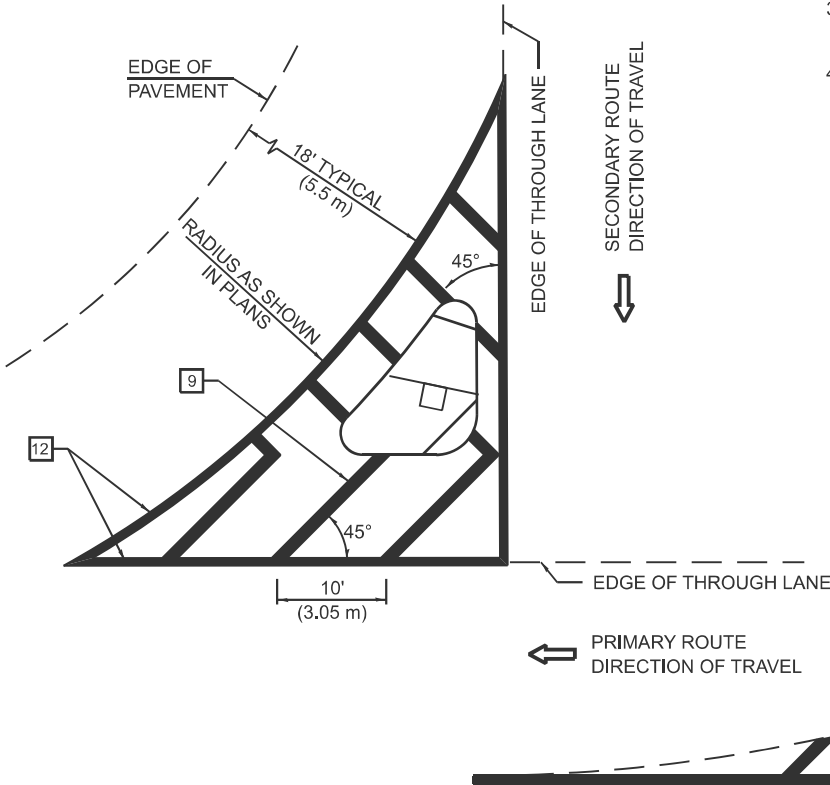
PAVEMENT MARKING DETAILS

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

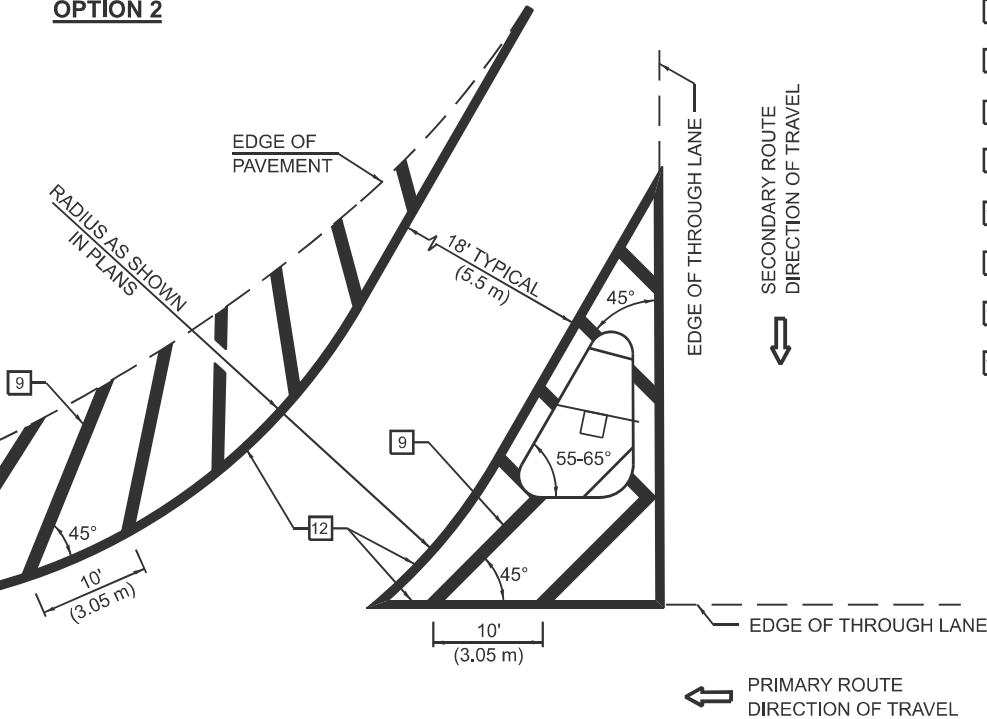
MODEL: D7 Detail 78000001 - 4 [Sheet]
FILE NAME: c:\pwwork\pwwid\hilleja\d10355693\D774B78-sht-D7 Pvt Marking Detail.dgn

ISLANDS

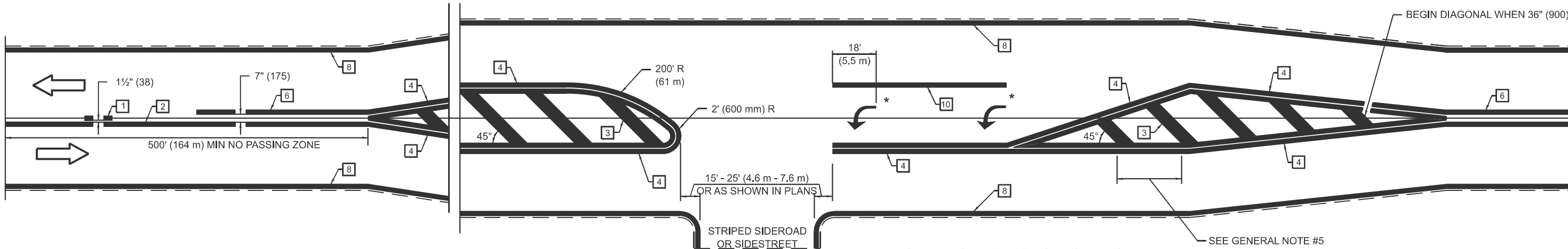
OPTION 1



OPTION 2



RURAL LEFT TURN STRIPING



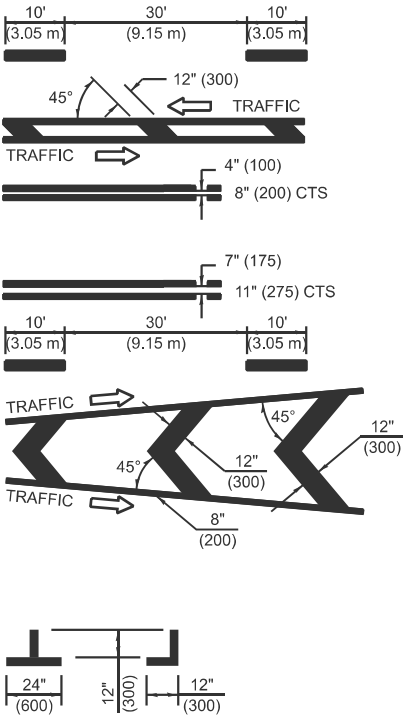
GENERAL NOTES

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) |



* PLACE AN ARROW 18' (5.5 m) BACK FROM END OF THE SOLID WHITE LINE. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

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.
823	D7 BRIDGE REPAIRS 2026-1	WAYNE	57	56
CONTRACT NO. 74B78				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

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