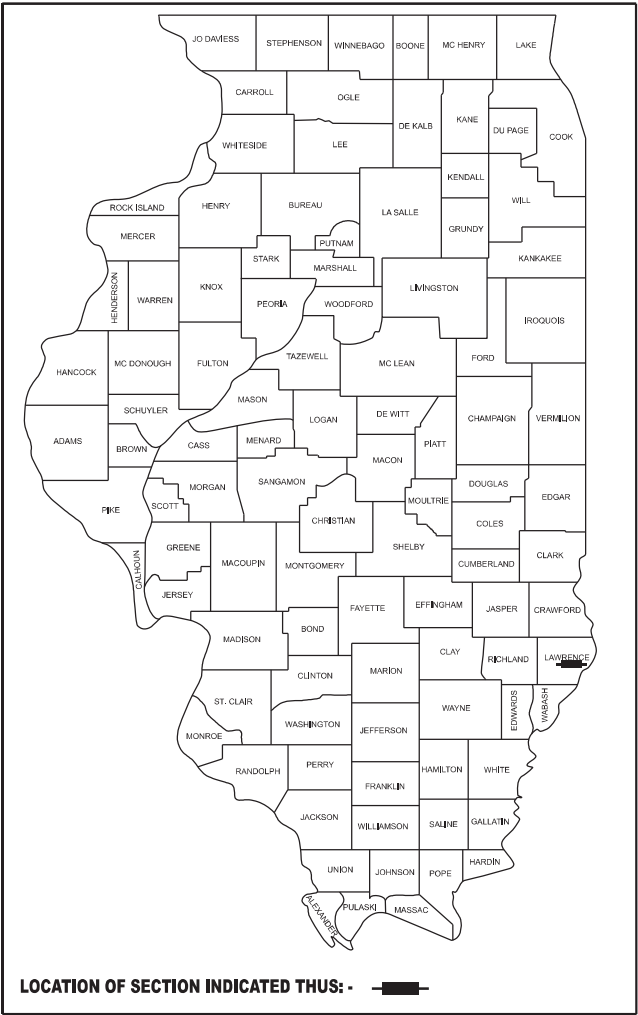


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	1
		ILLINOIS	CONTRACT NO. 74D71	

D-97-036-25



LOCATION OF SECTION INDICATED THUS: - ■ -

FOR INDEX OF SHEETS, SEE SHEET NO. 2
ADT = 2900 (2027)

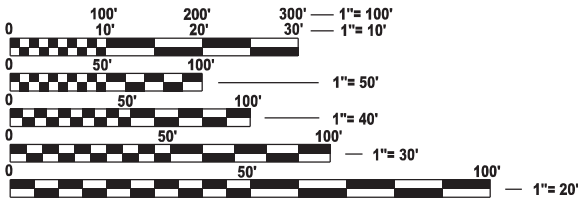
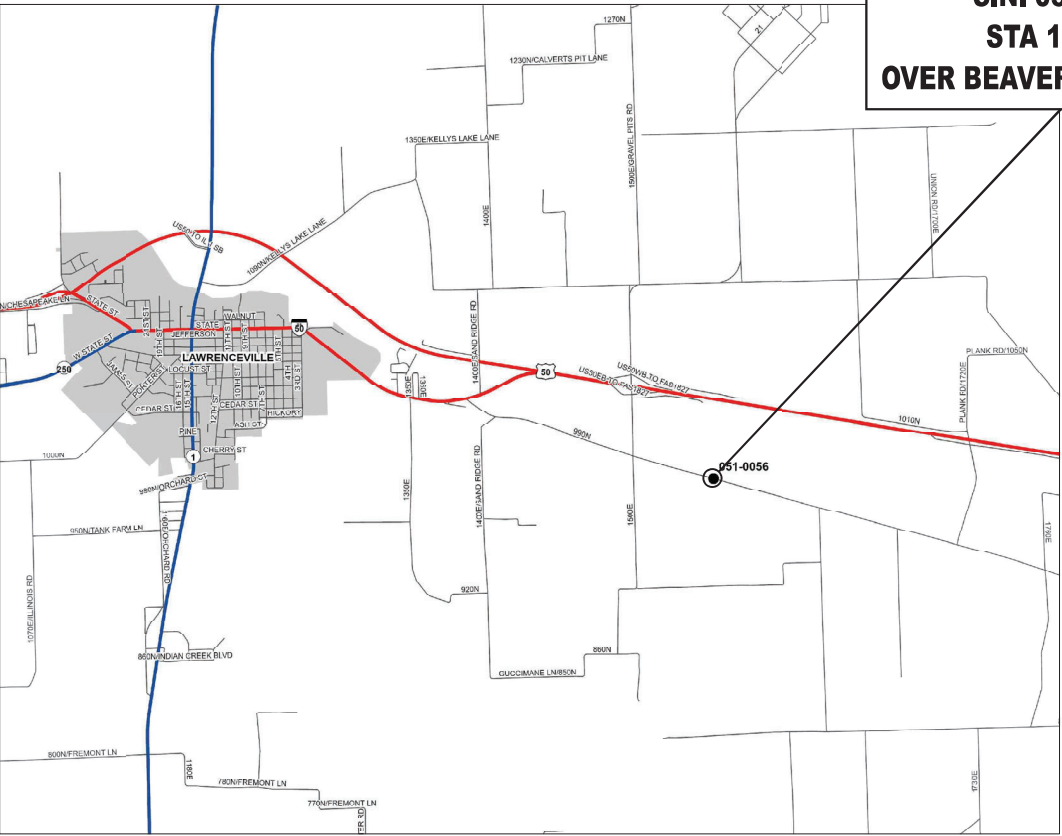
PROPOSED
HIGHWAY PLANS

FAS ROUTE 1808 (OLD US 50)
SECTION D7 BRIDGE REPAIRS 2027-2

PROJECT STP-V96Q(615)
BRIDGE REHABILITATION
LAWRENCE COUNTY

C-97-071-25

S.N. 051-0056
STA 164+40
OVER BEAVER POND DITCH



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: TRAVIS WALK (217-342-8316)
PROJECT MANAGER: ANDREW NIEMERG (217-342-8358)

CONTRACT NO. 74D71

GROSS LENGTH = 744 FT. = 0.141 MILE
NET LENGTH = 744 FT. = 0.141 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 24, 2026
Teresa C. Price
REGIONAL ENGINEER
August 14, 2026
See E.A. etc.
ENGINEER OF DESIGN AND ENVIRONMENT
August 14, 2026
5
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

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

HOT-MIX ASPHALT	112 LBS/SQ YD/INCH
AGGREGATE SHOULDERS	2.05 TONS/CU YD

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS & LIST OF STANDARDS
3-4	SUMMARY OF QUANTITIES
5	TYPICAL SECTIONS
6	SCHEDULES OF QUANTITIES
7	PRE-STAGE CONSTRUCTION DETAILS
8	PLAN SHEETS & PAVING DETAILS
9-10	STAGE CONSTRUCTION DETAILS
11-21	BRIDGE REPAIR PLANS
22-26	DETAIL SHEETS

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

STD. NO.	DESCRIPTION
000C01-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001C01-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701C01-02	OFF ROAD OPERATONIS 2L 2W MORE THAN 15 FT
701C06-05	OFF ROAD OPERATONIS 2L 2W 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
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
701901-11	TRAFFIC CONTROL DEVICES
780C01-05	TYPICAL PAVEMENT MARKINGS
782C06-01	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?)
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
10" BASE COURSE WIDENING	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
10" BASE COURSE WIDENING	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 CONNECTOR	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

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	USER NAME = andrew.niemerg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS, & HIGHWAY STANDARDS			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	2
		CHECKED -	REVISED -					CONTRACT NO. 74D71				
	PLOT DATE = 6/11/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

					CONSTR. CODE	
					80% FED 20% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY		BRIDGE	
					0059	RURAL
20200500	EARTH EXCAVATION (WIDENING)	CU YD	70		70	
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	252		252	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	2		2	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	77		77	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	234		234	
40600990	TEMPORARY RAMP	SQ YD	40		40	
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	23		23	
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	67		67	
44000100	PAVEMENT REMOVAL	SQ YD	54		54	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	44		44	
50102400	CONCRETE REMOVAL	CU YD	11.9		11.9	
50300225	CONCRETE STRUCTURES	CU YD	23.1		23.1	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	13.3		13.3	
50300300	PROTECTIVE COAT	SQ YD	344		344	

					CONSTR. CODE	
					80% FED 20% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY		BRIDGE	
					0059	RURAL
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	66.4		66.4	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	29020		29020	
50800515	BAR SPLICERS	EACH	256		256	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	71		71	
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10		10	
53016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5		5	
53101002	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	160		160	
53101209	BRIDGE DECK FLY ASH OR GGBF CONCRETE OVERLAY, 2 1/2"	SQ YD	160		160	
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	4		4	
67000400	ENGINEERS FIELD OFFICE, TYPE A	CAL MO	6		6	
67100100	MOBILIZATION	L SUM	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	

USER NAME = andrew.niemerg		DESIGNED -		REVISED -	
DRAWN -		CHECKED -		REVISED -	
PLOT DATE = 6/15/2026		DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

EAS RTE		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
1808		D7 BRIDGE REPAIRS 2027-2		LAWRENCE		26		3	
CONTRACT NO. 74D71									
ILLINOIS		FED. AID PROJECT							

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				CONSTR. CODE
				80% FED 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0059
				RURAL
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	800	800
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	105	105
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	368	368
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	884	884
70400100	TEMPORARY CONCRETE BARRIER	FOOT	367	367
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	30	30
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	292	292
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	884	884
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2	2
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2	2
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	240	240

* Specialty Items

				CONSTR. CODE
				80% FED 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0059
				RURAL
X7010202	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1
Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	44	44
Z0004552	APPROACH SLAB REMOVAL	SQ YD	106	106
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	292	292

	USER NAME = andrew.niemerg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	4
		CHECKED -	REVISED -					CONTRACT NO. 74D71				
	PLOT DATE = 6/15/2026	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 2	OF 2	SHEETS	STA.	TO STA.						

STA. 162+47.0 TO STA. 163+93.7
STA. 163+93.7 TO STA. 164+86.3 (STR 051-0056)
STA. 164+86.3 TO STA. 166+33.0



MAINLINE		SHOULDER ONLY	
STA. 163+48.7 TO	STA. 163+83.7 (BUTT JOINT)	RT. STA. 162+73.0 TO	STA. 163+83.7
STA. 163+83.7 TO	STA. 164+96.3 (STR 051-0056)	RT. STA. 164+96.3 TO	STA. 166+06.0
STA. 164+96.3 TO	STA. 165+31.3 (BUTT JOINT)	LT. STA. 162+47.0 TO	STA. 163+83.7
		LT. STA. 164+96.3 TO	STA. 166+33.0



EARTH EXCAVATION (WIDENING)

USER NAME = andrew.niemerg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	5
	CHECKED -	REVISED -		CONTRACT NO. 74D71								
PLOT DATE = 6/10/2026	DATE	REVISED -										
				SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.			

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TEMPORARY CONCRETE BARRIER				
LOCATION	STATION	TO	STATION	LENGTH (FOOT)
TAPER	162+57		163+58	101.0
TANGENT	163+58		165+22	164.0
TAPER	165+22		166+24	102.0
TOTAL =				367.0

BRIDGE APPROACH SHOULDER REMOVAL						
SIDE	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
RT	163+93.7		164+13.5	19.8	5	11.0
RT	164+66.5		164+86.3	19.8	5	11.0
LT	163+93.7		164+13.5	19.8	5	11.0
LT	164+66.5		164+86.3	19.8	5	11.0
TOTAL =						44

RELOCATE TEMPORARY CONCRETE BARRIER				
LOCATION	STATION	TO	STATION	LENGTH (FOOT)
TAPER	162+95		163+59	64.0
TANGENT	163+59		165+23	164.0
TANGENT	165+23		165+87	64.0
TOTAL =				292.0

SHORT TERM PAVEMENT MARKING					
LOCATION	STATION	TO	STATION	WHITE (FOOT)	YELLOW
LT & RT EL	160+82		168+26	29.8	
SD CL	160+82		168+26		74.4
TOTAL				105	

PAVEMENT MARKING BLACKOUT TAPE, 5"				
LOCATION	STATION	TO	STATION	LENGTH (FOOT)
STAGE 1				
SD CL	160+82		163+33	62.8
SD CL	165+48		168+26	69.5
RT EL	162+66		166+15	349.0
STAGE 2				
LT EL	162+81		165+99	318.0
TOTAL =				800.0

SD CL = SKIP DASH CENTERLINE
RT/LT EL = RIGHT/LEFT EDGELINE

SHOULDER WIDENING								
SIDE	STATION	TO	STATION	LENGTH	WIDTH	DEPTH	EARTH EXCAVATION	HMA BASE COURSE
				(FOOT)	(FOOT)	(INCH)	(WIDENING) (CU YD)	WIDENING 10" (SQ YD)
RT	162+73		164+02	129	4	10	15.9	57.3
RT	164+78		166+06	128	4	10	15.8	56.9
LT	162+47		164+02	155	4	10	19.1	68.9
LT	164+78		166+33	155	4	10	19.1	68.9
TOTAL =							70	252

APPROACH SLAB REMOVAL					
STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
163+93.7		164+13.5	20	24	52.8
164+66.5		164+86.3	20	24	52.8
TOTAL =					106

AGGREGATE WEDGE SHOULDER, TYPE B						
SIDE	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	(TON)
RT	162+73		164+02	129	2	9.8
RT	164+78		166+06	128	2	9.7
LT	162+47		164+02	155	2	11.8
LT	164+78		166+33	155	2	11.8
TOTAL =						44

TEMPORARY RAMP					
STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
163+78		163+84	6	30	20.0
164+96		165+02	6	30	20.0
TOTAL =					40

ENTRANCE			
STATION	TYPE	SIDE	AGGREGATE SURFACE
			COURSE TYPE B
			(TON)
165+31	FE	RT	2.0
TOTAL =			2

PAVEMENT MARKING								
LOCATION	STATION	TO	STATION	LENGTH (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT		PAINT PAVEMENT MARKING - LINE 4"	
					WHITE (FOOT)	YELLOW (FOOT)	WHITE (FOOT)	YELLOW (FOOT)
					SD CL	160+82		186.0
LT & RT EL	162+66		166+15	349.0		698.0		698.0
SUB TOTALS =					186.0	698.0	186.0	698.0
PROJECT TOTALS =					884		884	

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT					
STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
163+48.7		163+83.7	35	30	116.7
164+96.3		165+31.3	35	30	116.7
TOTAL =					234

PAVEMENT REMOVAL					
STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
163+83.7		163+93.7	10	24	26.7
164+86.3		164+96.3	10	24	26.7
TOTAL =					54

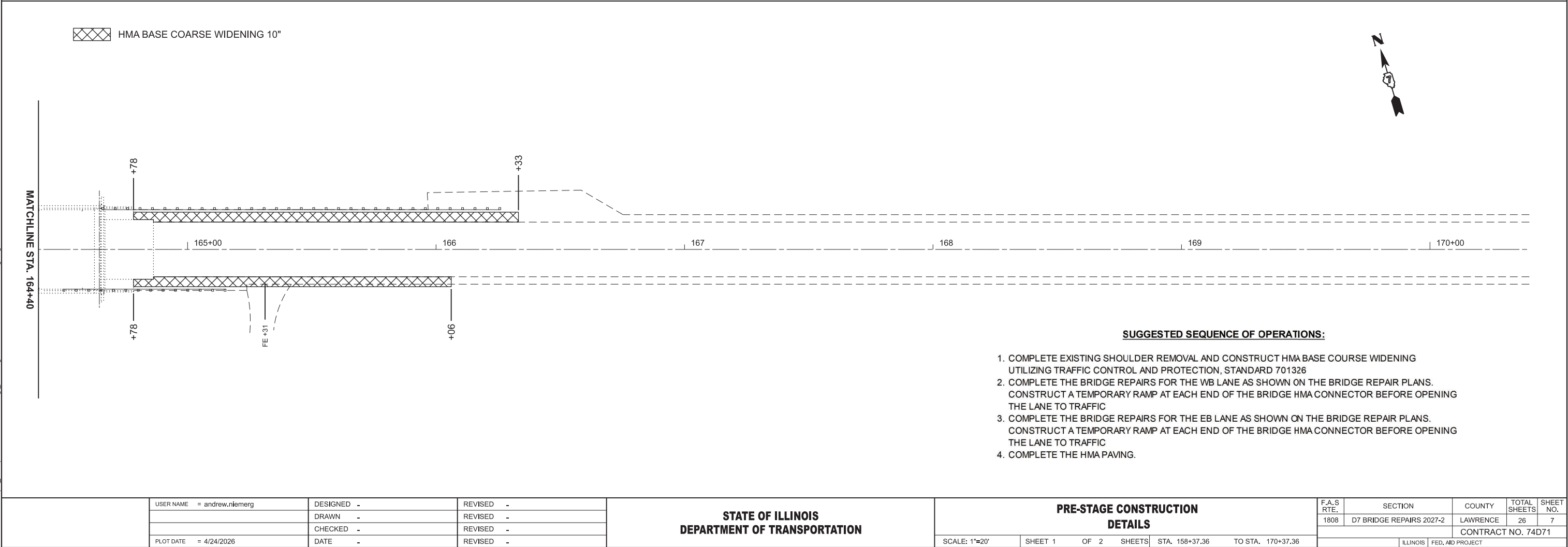
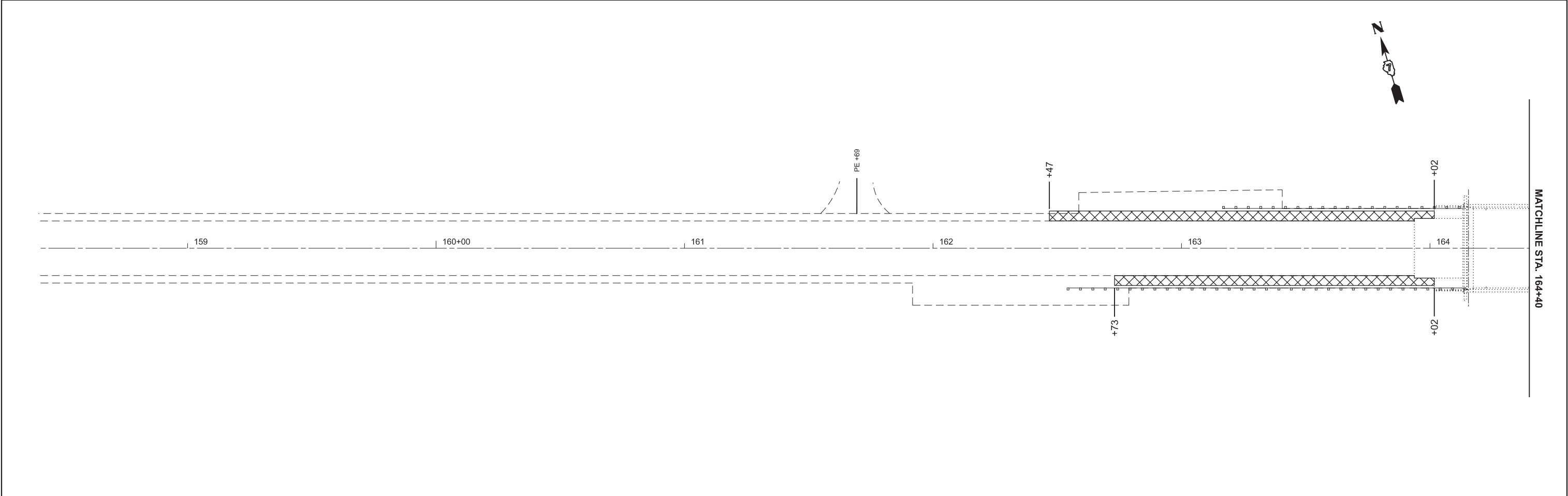
BITUMINOUS MATERIALS (TACK COAT)					
STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	POUND
163+48.7		163+83.7	35	22	38.5
164+96.3		165+31.3	35	22	38.5
TOTAL =					77

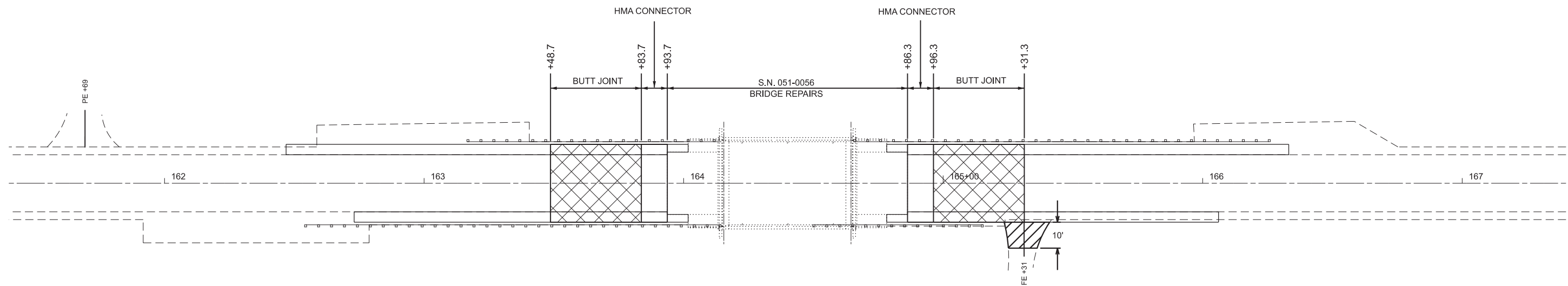
HOT-MIX ASPHALT SURFACE COURSE. IL-9.5, MIX "C", N70					
STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	(TON)
163+48.7		163+83.7	35	30.00	11.4
164+96.3		165+31.3	35	30.00	11.4
TOTAL =					23

SHORT TERM PAVEMENT MARKING REMOVAL						
LOCATION	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ FT)
SD CL	160+82		168+26	74.4	0.33	24.8
LT & RT EL	160+82		168+26	29.8	0.33	9.9
REMOVAL FOR BLACKOUT TAPE 5"						
STAGE 1						
SD CL	160+82		163+33	62.8	0.42	26.1
SD CL	165+48		168+26	69.5	0.42	29.0
RT EL	162+66		166+15	349.0	0.42	145.4
STAGE 2						
LT EL	162+81		165+99	318.0	0.42	132.5
TOTAL =						368.0

USER NAME	= andrew.niemerg	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES				F.A.S RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	-	REVISED	-						1808	D7 BRIDGE REPAIRS 2027-2		LAWRENCE	26	6
		CHECKED	-	REVISED	-						CONTRACT NO. 74D71					
PLOT DATE	= 6/11/2026	DATE	-	REVISED	-						ILLINOIS FED, AID PROJECT					
SCALE:		SHEET 1		OF	1	SHEETS	STA.	TO STA.								

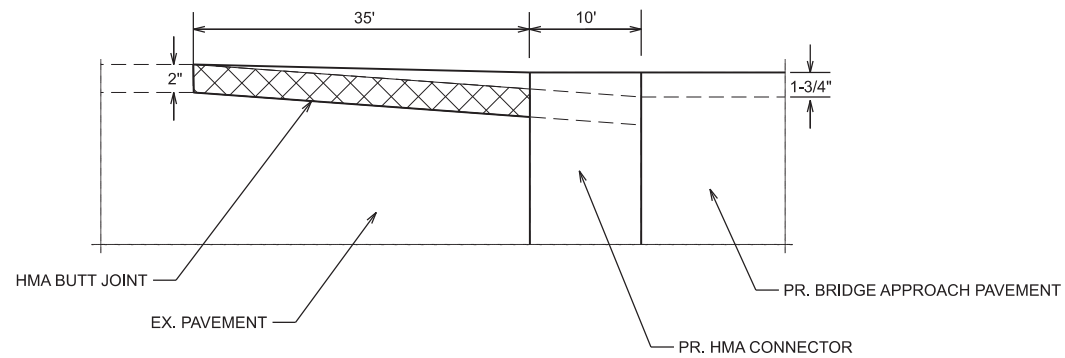
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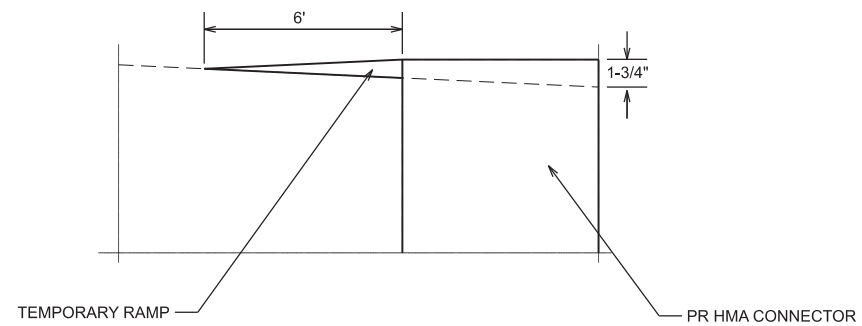
BUTT JOINT DETAIL

STA. 163+48.7 TO STA. 163+83.7
STA. 164+96.3 TO STA. 165+31.3



TEMPORARY RAMP DETAIL

STA. 163+77.7 TO STA. 163+83.7
STA. 164+96.3 TO STA. 165+02.3



-  HMA SURFACE REMOVAL - BUTT JOINT
-  AGGREGATE SURFACE COURSE TYPE B

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET & PAVING DETAILS
S.N. 051-0056

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 161+40.00 TO STA. 167+40.00

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	8
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

USER NAME = andrew.niemerg	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2026	DATE -	REVISED -

SYMBOLS

- TYPE III BARRICADE WITH FLASHING LIGHT
- STOP BAR
- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- DRUM
- BRIDGE CONSTRUCTION
- APPROACH SLAB REMOVAL
- BRIDGE APPROACH SHOULDER REMOVAL
- PAVEMENT REMOVAL

NO
TURN
ON RED

R10-11 24"X30"

TEMPORARY PAVEMENT MARKINGS

TEMPORARY CONCRETE
BARRIER PINNING

11'-7" CLEARANCE WIDTH

MATCHLINE STA. 164+40.00

TEMPORARY IMPACT ATTENUATOR
(NON-REDIRECTIVE TEST LEVEL 3)



MATCHLINE STA. 164+40.00

11'-7" CLEARANCE WIDTH

TEMPORARY CONCRETE
BARRIER PINNING

TEMPORARY PAVEMENT MARKINGS

TEMPORARY IMPACT ATTENUATOR
(NON-REDIRECTIVE) TEST LEVEL 3

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/12/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION
DETAILS

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 158+40.00 TO STA. 170+40.00

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	9
CONTRACT NO. 74D71				
ILLINOIS FED, AID PROJECT				

SYMBOLS

- 

TYPE III BARRICADE WITH FLASHING LIGHT
- 

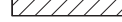
STOP BAR
- 

TEMPORARY BRIDGE TRAFFIC SIGNALS
- 

IMPACT ATTENUATOR
- 

TEMPORARY CONCRETE BARRIER
- 

DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- 

DRUM
- 

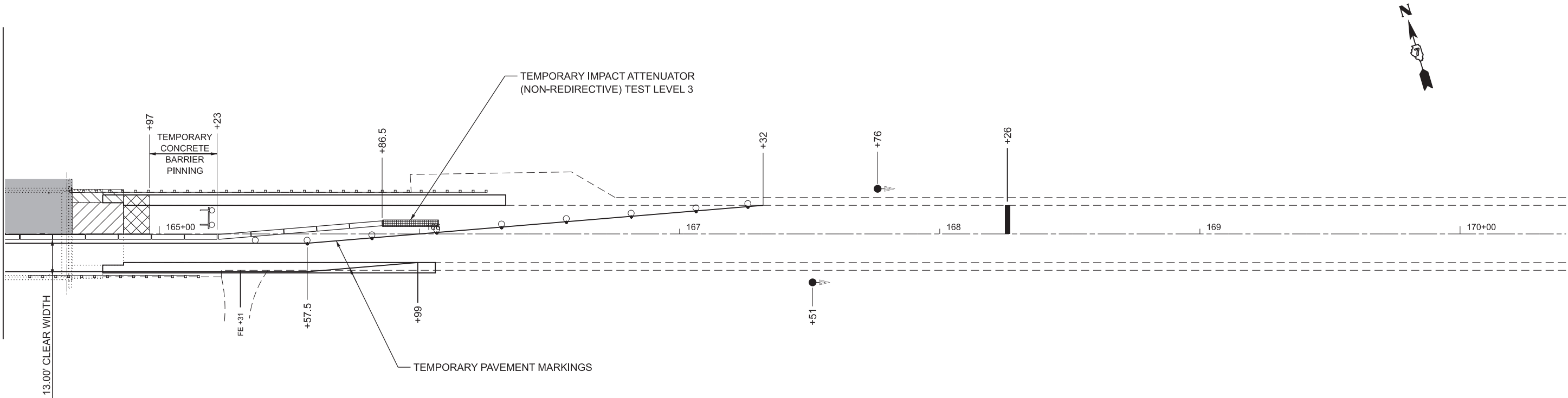
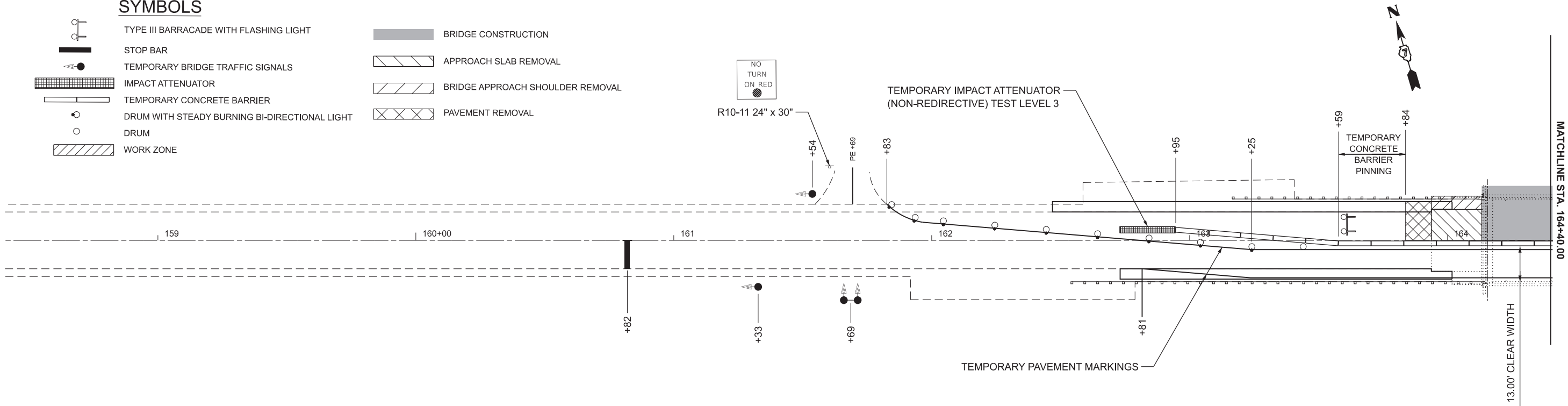
WORK ZONE
- 

BRIDGE CONSTRUCTION
- 

APPROACH SLAB REMOVAL
- 

BRIDGE APPROACH SHOULDER REMOVAL
- 

PAVEMENT REMOVAL



MODEL: EXCL - Stage 2 [Sheet]
FILE NAME: c:\pw_work\pwk\olandrew_niemerg@illinois.gov\1129543\D774D71 Stage 2.dgn

USER NAME	= andrew.niemerg	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/10/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION
DETAILS

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 158+40.00 TO STA. 170+40.00

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	10
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

STRUCTURE 051-0056 carries Old US 50 over Beaver Pond. The existing single span, steel multi-beam structure was built in 1985. The proposed project consists of replacement of the expansion joints with new strip seals, full depth deck patching, scarification, concrete overlay, and new approaches.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications
for Highway Bridges

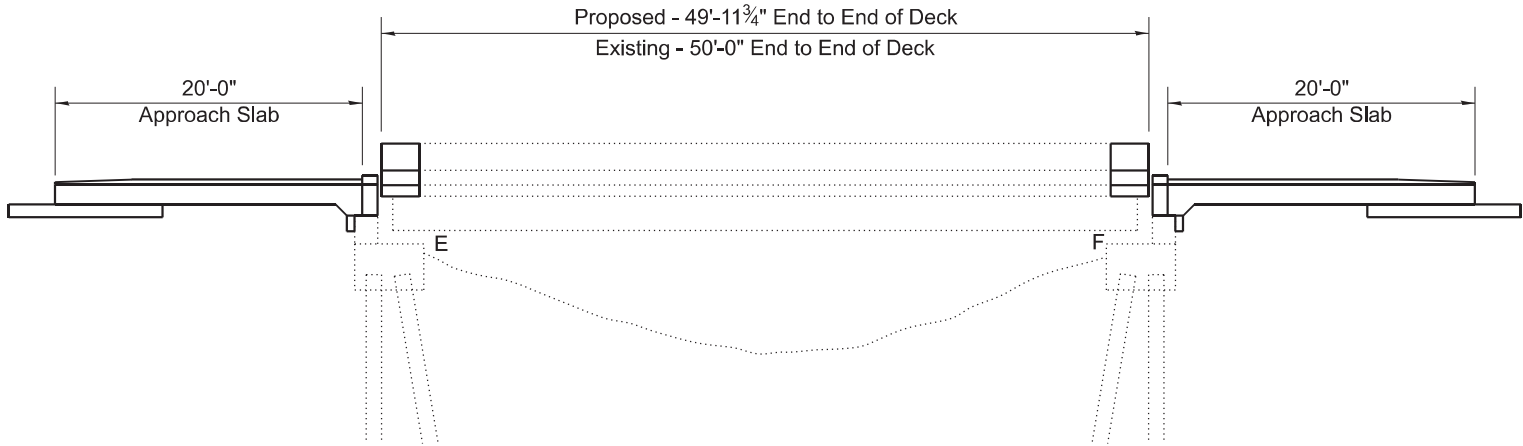
DESIGN STRESSES

New Construction

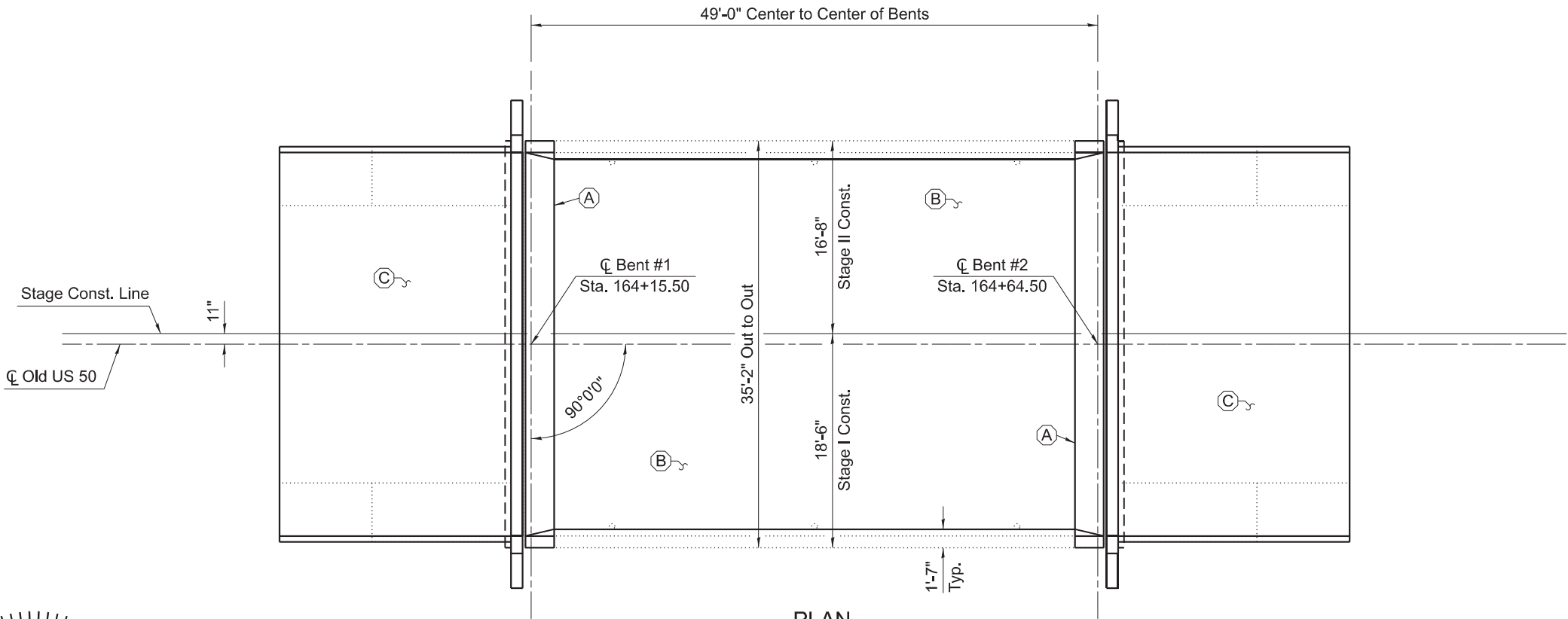
f_c = 3,500 psi (Structure Concrete)
f_c = 4,000 psi (Superstructure Concrete)
f_y = 60,000 psi (Reinforcement)

Existing Construction

f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)

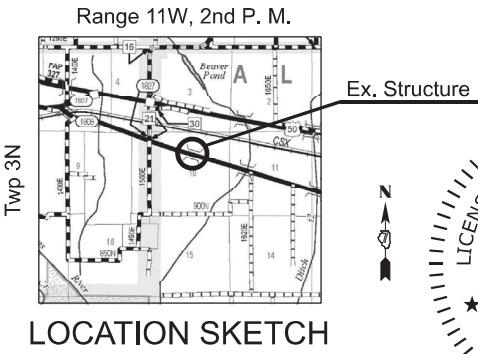


ELEVATION

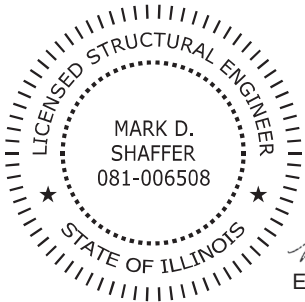


PLAN

- (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) - Remove Existing Approaches & Construct Corbel, New Bridge Approach Slabs, Diamond Grinding (Bridge Section), & Bridge Deck Grooving (Longitudinal)



LOCATION SKETCH



Mark Shaffer
Expires Nov. 30, 2026

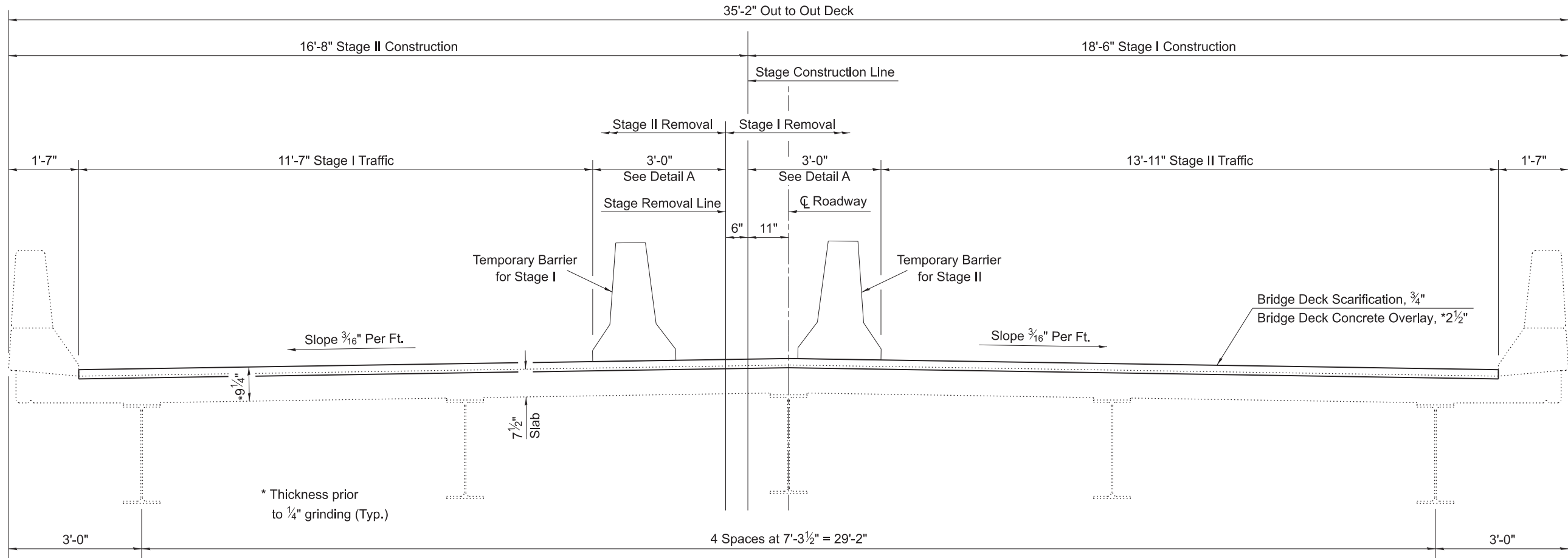
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
S.N. 051-0056

SCALE: SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	11
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

MODEL: 051-0056 Sheet 1 [Sheet]
FILE NAME: c:\paw_work\wkd\hille\jlad1129553\0774d71_051-0056 Sheets.dgn



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.

All structural steel shall conform to AASHTO Classification M-270 Gr. 36 unless otherwise noted.

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 at the Contractor's expense.

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 (SSPC - SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.

Synthetic filbers 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 East

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	11.9
Concrete Superstructure	Cu. Yd.	13.3
Concrete Structures	Cu. Yd.	23.1
Concrete Superstructure (Approach Slab)	Cu. Yd.	66.4
Reinforcement Bars, Epoxy Coated	Pound	29,020
Bar Splicers	Each	256
Preformed Joint Strip Seal	Foot	71
Bridge Deck Scarification, 3/4"	Sq. Yd.	160
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq. Yd.	160
** Diamond Grinding (Bridge Section)	Sq. Yd.	292
** Bridge Deck Grooving (Longitudinal)	Sq. Yd.	240
Protective Coat	Sq. Yd.	344
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	10
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	5

** Area includes bridge deck and both approaches.

MODEL: 051-0056 Sheet 2 [Sheet]
FILE NAME: c:\paw_work\paw\dlanerd\1129553\0774D71_051-0056 Sheets.dgn

USER NAME = dalton,jane	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 7/30/2026	DATE - January 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

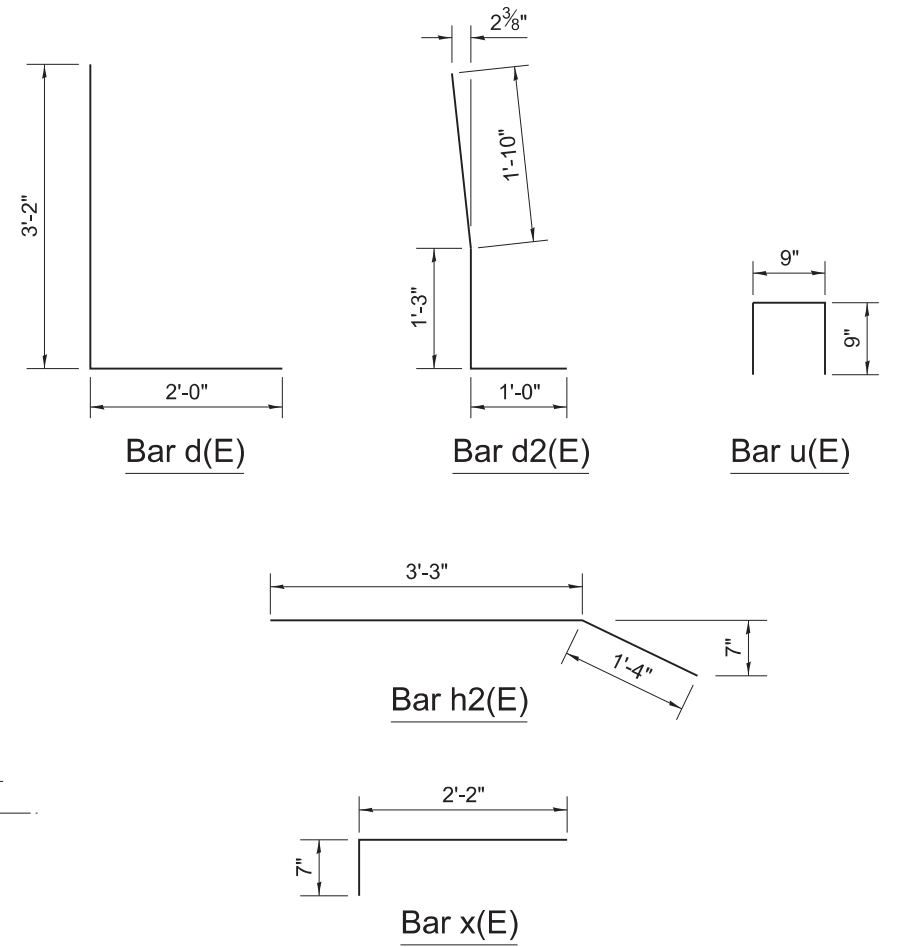
STAGE CONSTRUCTION, GENERAL NOTES, & BILL OF MATERIALS
S.N. 051-0056

SCALE: SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	12
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

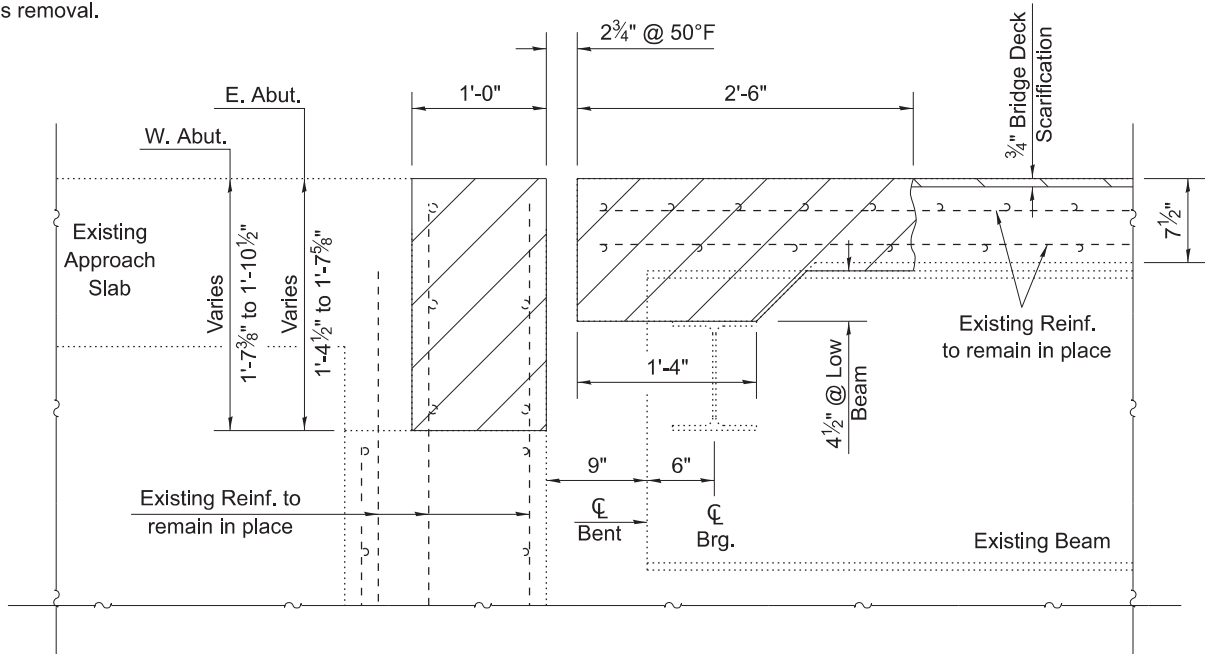
Technical drawing of a bridge bent showing Stage I and Stage II removal areas. The drawing includes dimensions for the bent width (2'-6"), bent depth (1'-0"), and removal stages (16'-2" and 19'-0"). It also shows a 90-degree angle, a 1'-5" offset, and a 1'-7" typical dimension. A "Stage Removal Line" and "Bent" are labeled.

West Abutment Shown
East Abutment Similar

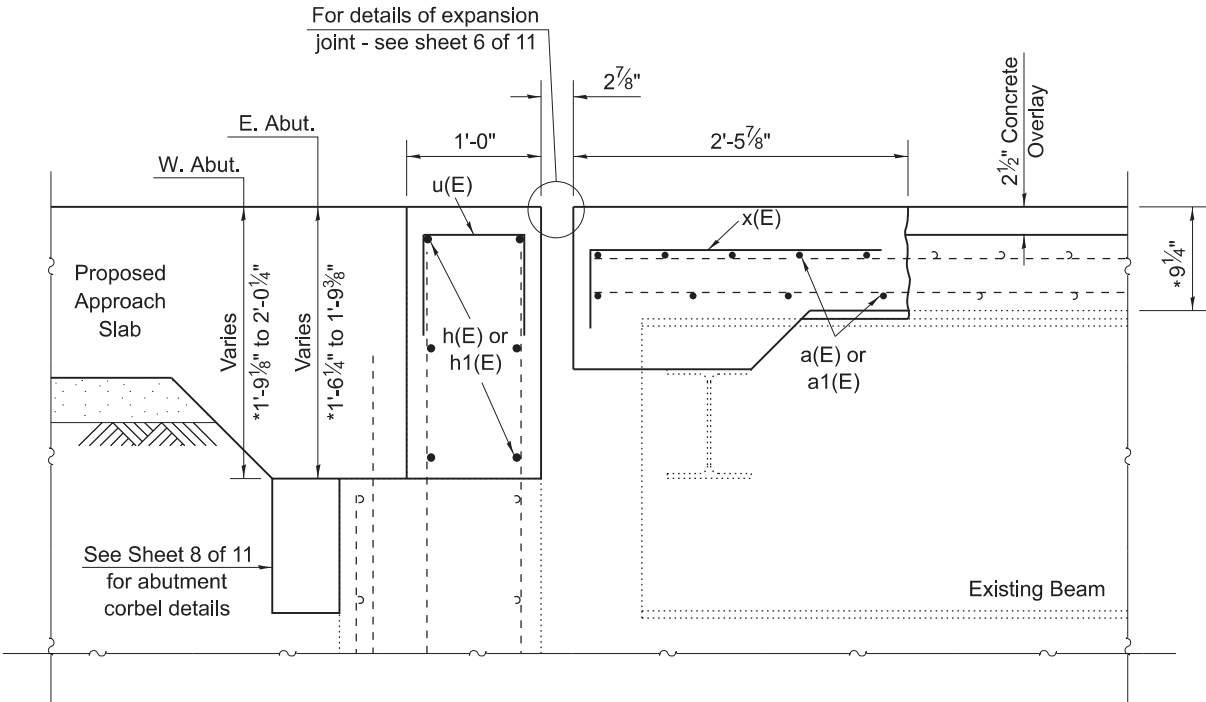


Bar	No.	Size	Length	Shape
a(E)	18	#5	17'-4"	
a1(E)	18	#5	15'-6"	
a2(E)	12	#6	6'-0"	
d(E)	12	#4	5'-2"	
d2(E)	12	#5	4'-1"	
h(E)	12	#6	17'-11"	
h1(E)	12	#6	16'-1"	
h2(E)	8	#5	4'-7"	
h3(E)	8	#5	5'-3"	
u(E)	68	#6	2'-3"	
v(E)	24	#4	1'-2"	
x(E)	66	#5	2'-9"	
ITEM			UNIT	QUANTITY
Concrete Removal			Cu. Yd.	11.9
Concrete Superstructure			Cu. Yd.	13.3
Reinforcement Bars, Epoxy Coated			Pound	1,950
Bar Splicers			Each	30

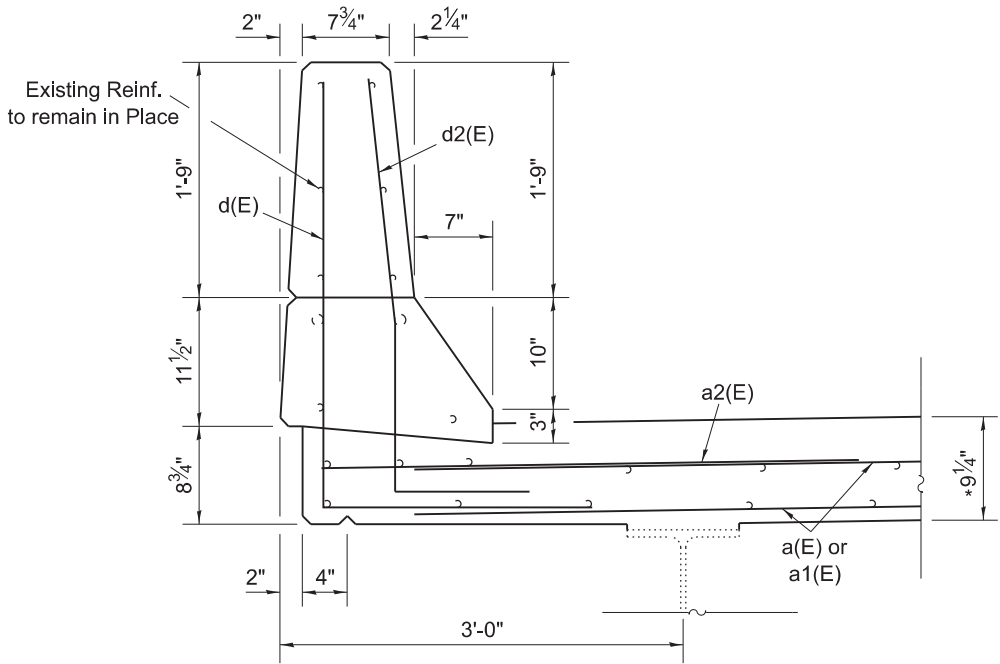
Note: Hatched area indicates removal.



SECTION A-A

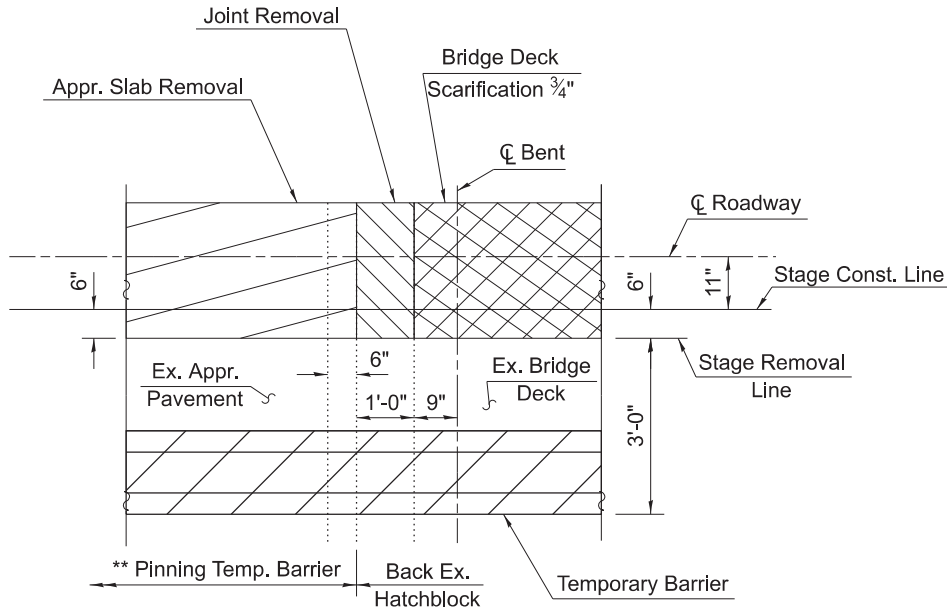


SECTION B-B



SECTION THRU DECK PARAPET

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



Detail A - Stage Removal Limits Near Abutments

Looking West, Stage I & West Abutment Shown, East Abutment Similar

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

MODEL: 051-0056 Sheet 4 [Sheet]
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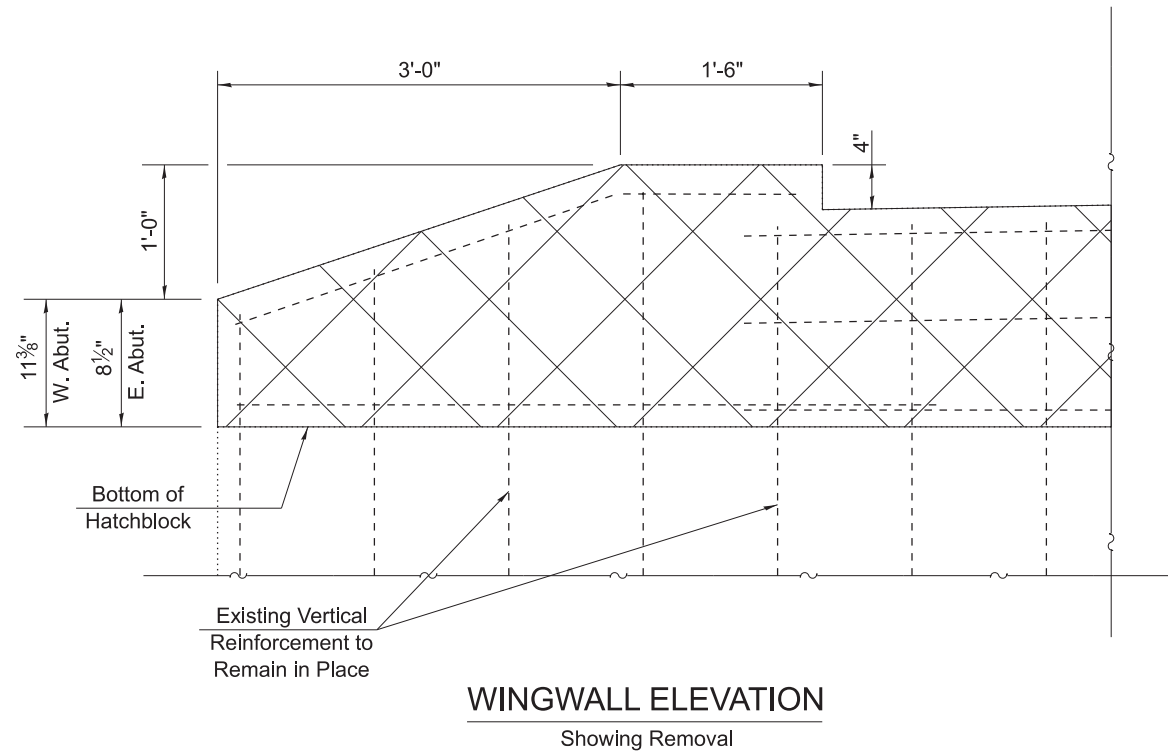
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		DRAWN	- D. Lane	REVISED	-
		CHECKED	- L. Hille	REVISED	-
PLOT DATE	= 7/30/2026	DATE	- January 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
S.N. 051-0056

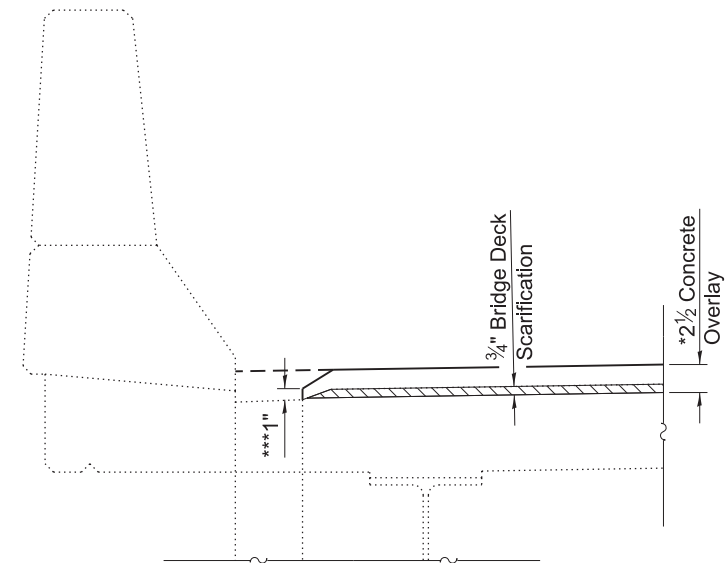
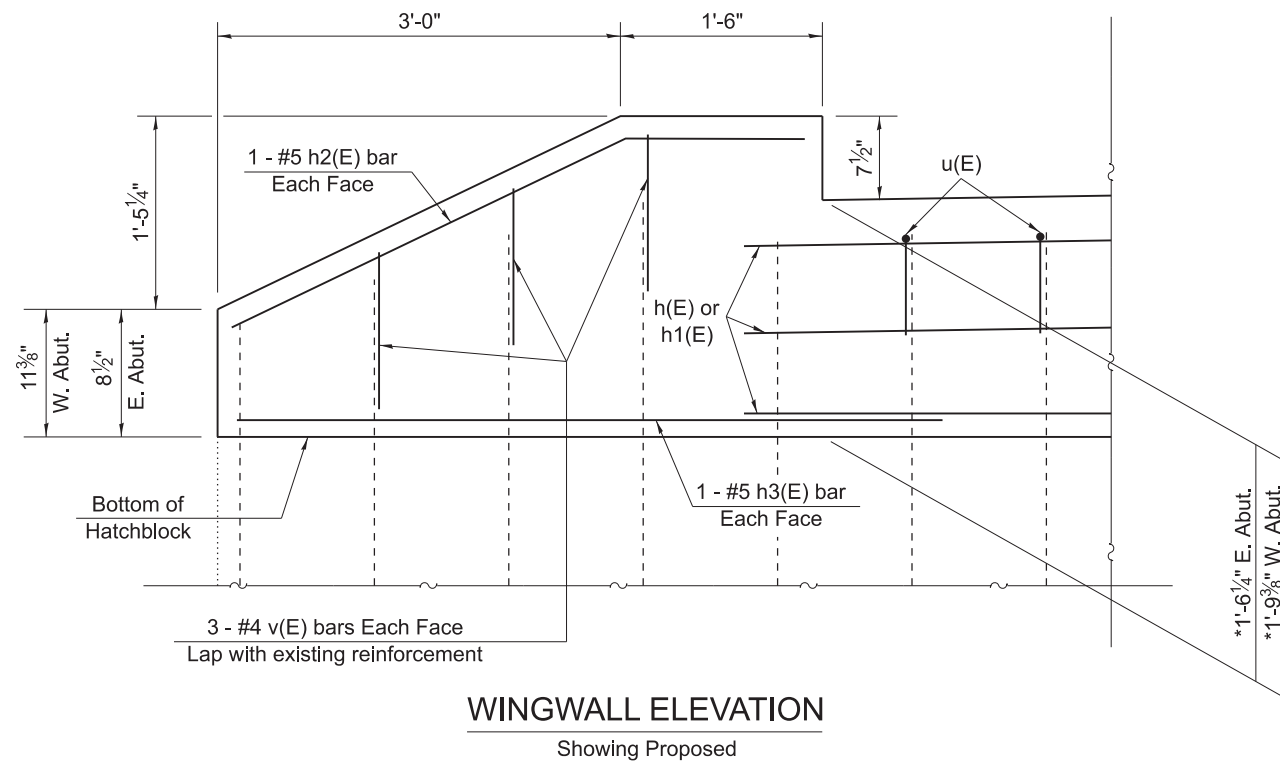
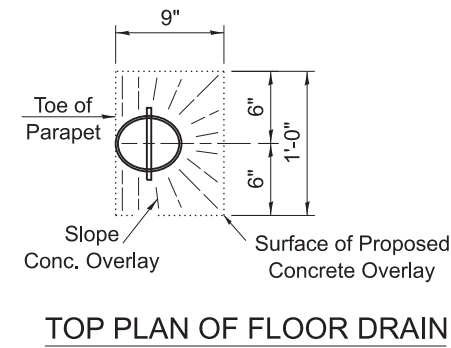
SCALE: SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	14
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				



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

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



FLOOR DRAIN PRESERVATION
*** Minimum thickness of overlay at edge of drain = 1"

MODEL: 051-0056 Sheet 5 [Sheet]
FILE NAME: c:\paw_work\paw\hille\ad1129553\074071_051-0056 Sheets.dgn

USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 4/21/2026	DATE - January 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
S.N. 051-0056

SCALE: SHEET 5 OF 11 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	25	15
CONTRACT NO. 74D71				
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.

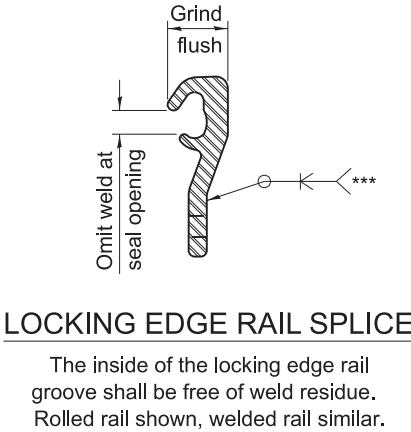
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails,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

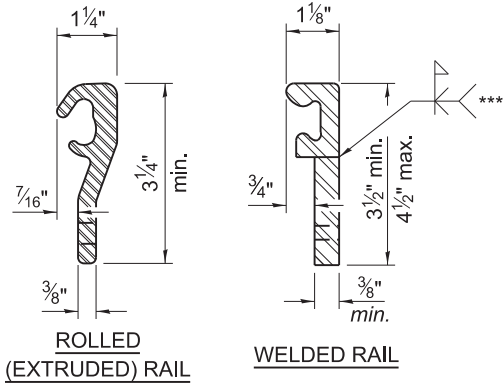
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

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.



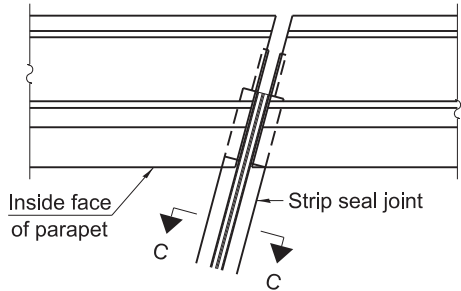
LOCKING EDGE RAIL SPLICE



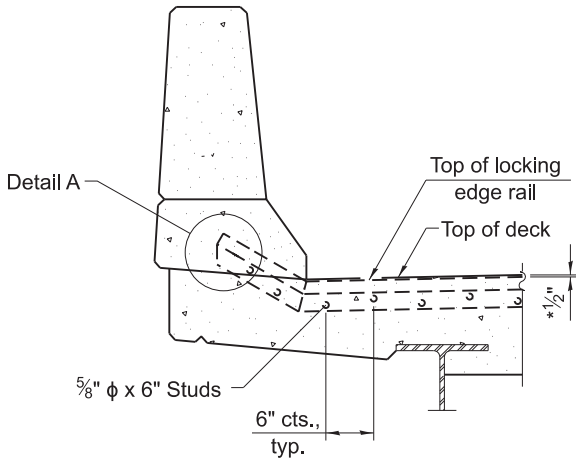
LOCKING EDGE RAILS

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

PLAN AT PARAPET

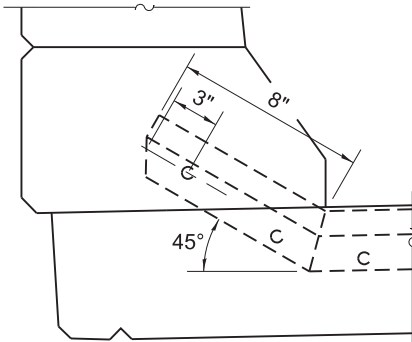


ELEVATION AT PARAPET

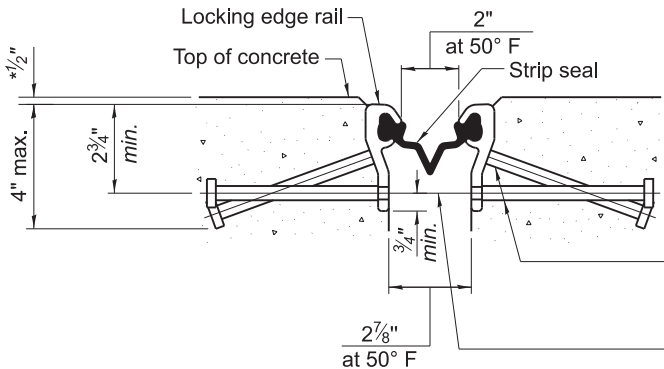


DETAIL A

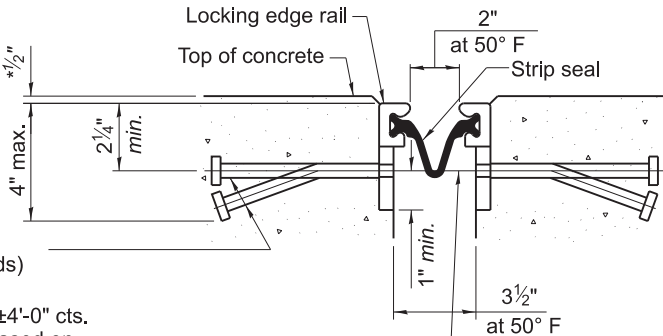
(Kick-up at parapet locations shown.)



SHOWING ROLLED RAIL JOINT



SHOWING WELDED RAIL JOINT



SECTION C-C

** 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	71

MODEL: 051-0056 Sheet 6 [Sheet]
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EJ-SS 10-3-2025

USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/25/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERFORMED JOINT STRIP SEAL DETAILS
S.N. 051-0056

SCALE: SHEET 6 OF 11 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	16
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

West Bent

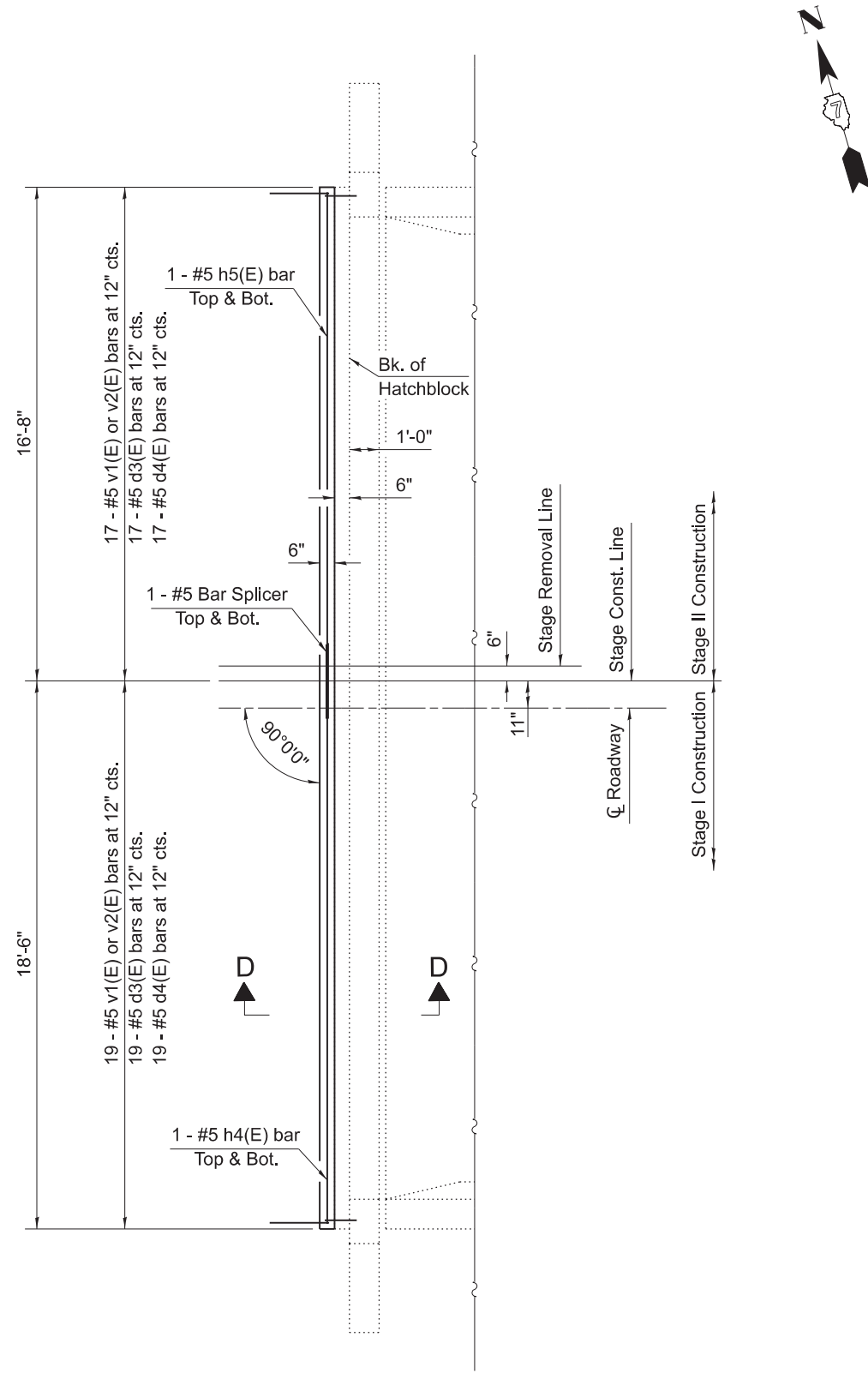
East Bent

DECK REPAIR
FULL DEPTH
TY 1 & TY 2

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

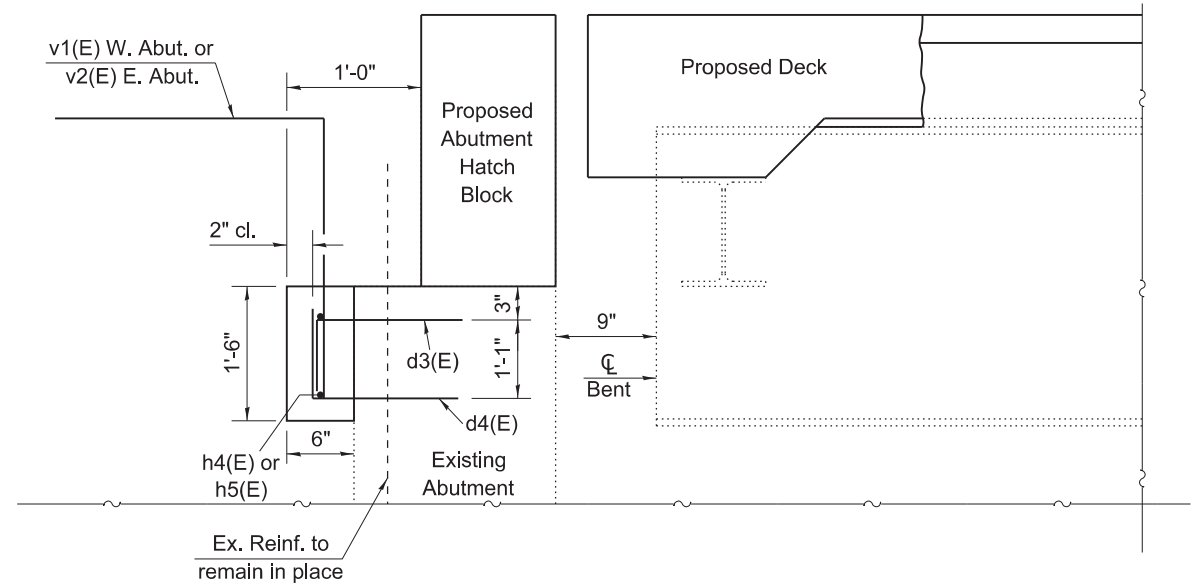
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	25	17
		CONTRACT NO. 74D71		
		ILLINOIS	FED. AID PROJECT	

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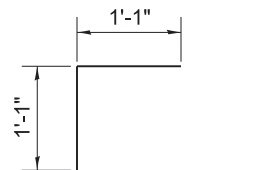
PROPOSED CORBEL PLAN

West Abutment Shown
East Abutment Similar

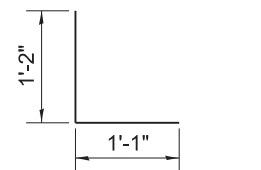


SECTION D-D

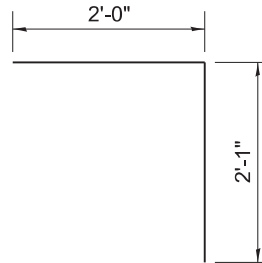
- Notes:
- Epoxy grout d3(E) & d4(E) bars in 9" min. holes according to Article 584 of the Standard Specifications
 - Abutment corbel concrete shall be paid for as Concrete Structures.
 - Cost of excavation for abutment corbel included with Concrete Structures.
 - v1(E) and v2(E) placed in the corbel a minimum of 10".



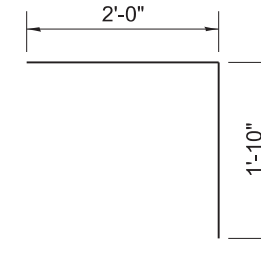
BAR d3(E)



BAR d4(E)



BAR v1(E)



BAR v2(E)

BILL OF MATERIALS - TWO ABUTMENTS

Bar	No.	Size	Length	Shape
d3(E)	72	#5	2'-2"	
d4(E)	72	#5	2'-3"	
h4(E)	4	#5	18'-2"	
h5(E)	4	#5	16'-4"	
v1(E)	36	#5	4'-1"	
v2(E)	36	#5	3'-10"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	2.0
Reinforcement Bars, Epoxy Coated			Pound	780
Bar Splicers			Each	4

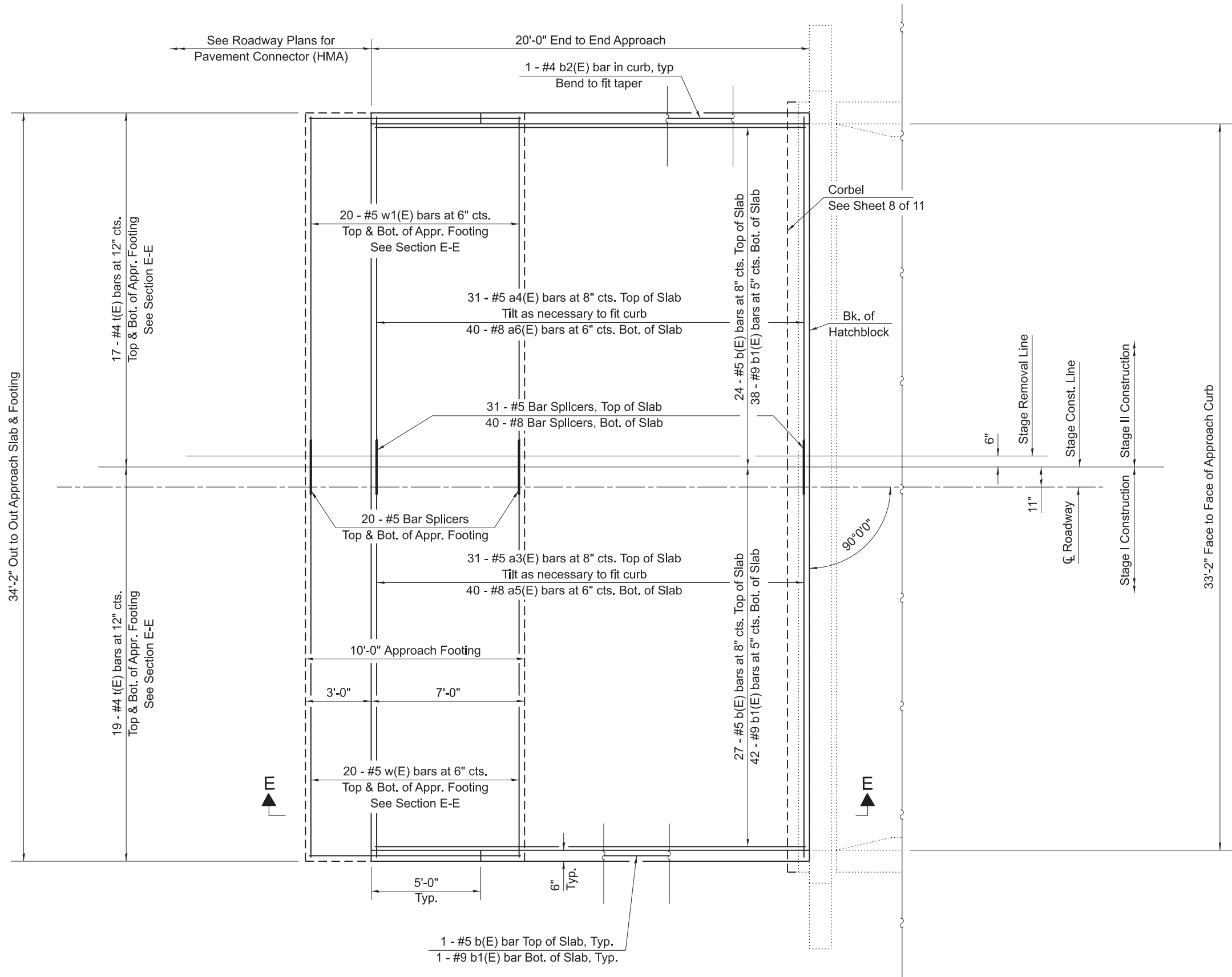
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	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 7/30/2026	DATE - January 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT MODIFICATION			
S.N. 051-0056			
SCALE:	SHEET 8	OF 11 SHEETS	STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	18
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

MODEL: 051-0056 Sheet 9 [Sheet]
FILE NAME: c:\paw_work\pawdollar\drd1129553\D774D71_051-0056 Sheets.dgn



APPROACH PLAN

West Abutment Shown
East Abutment Similar

USER NAME	= dalton.jane	DESIGNED	- D. Lane	REVISED	-
		DRAWN	- D. Lane	REVISED	-
		CHECKED	- L. Hille	REVISED	-
PLOT DATE	= 7/30/2026	DATE	- January 2026	REVISED	-

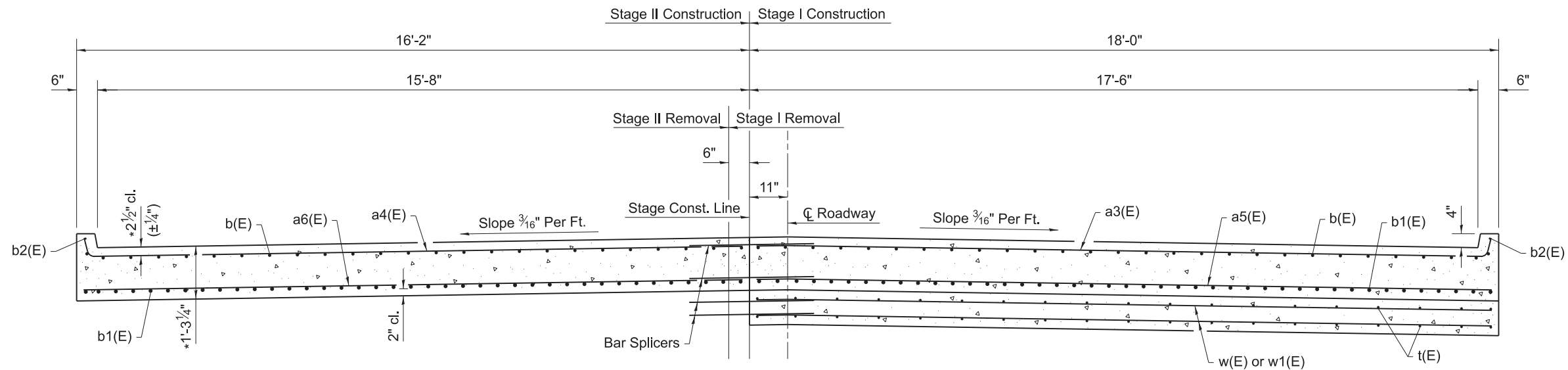
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS - SHEET 1 OF 2
S.N. 051-0056

SCALE: SHEET 9 OF 11 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	19
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

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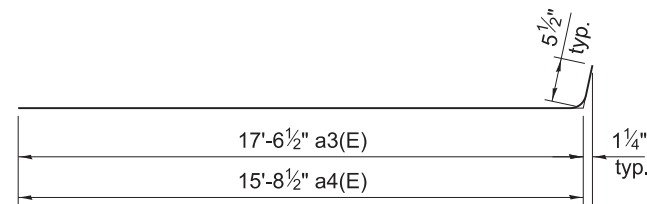


NEAR ABUTMENT

CROSS SECTION

Looking East

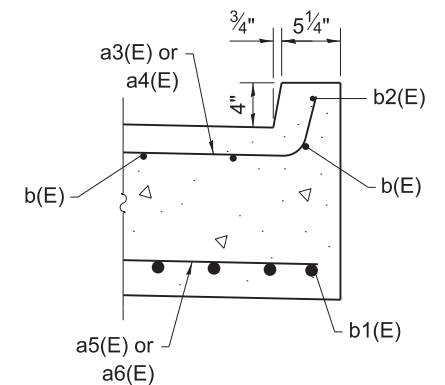
AT APPROACH FOOTING



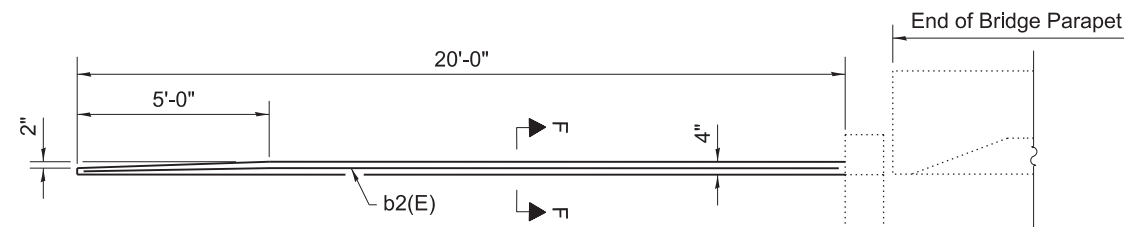
BAR a3(E) & a4(E)

Notes:

Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.



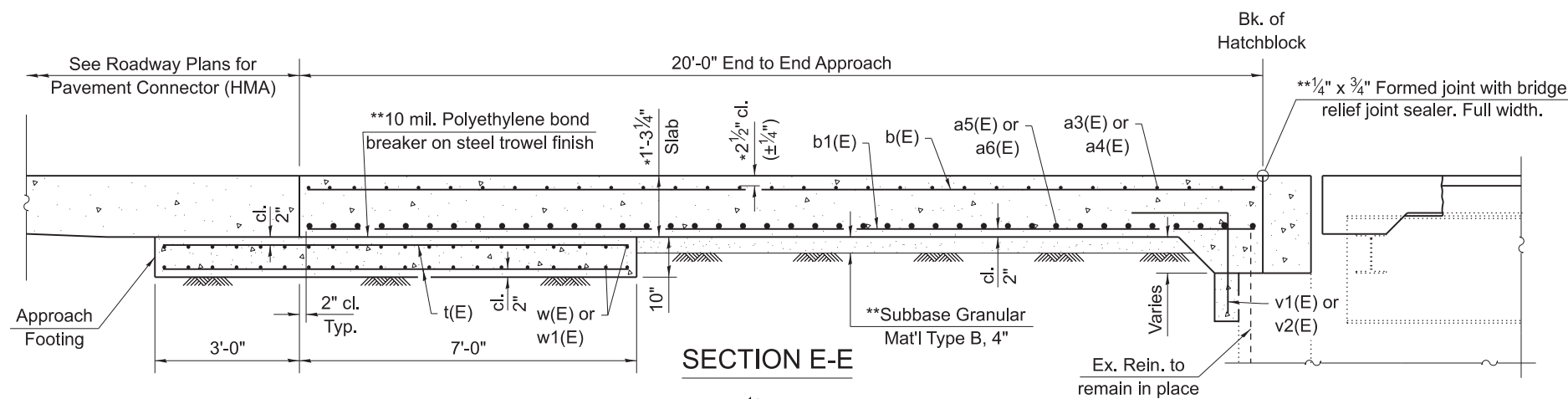
SECTION F-F



INSIDE ELEVATION OF CURB

BILL OF MATERIALS - TWO APPROACHES

Bar	No.	Size	Length	Shape
a3(E)	62	#5	18'-0"	
a4(E)	62	#5	16'-2"	
a5(E)	80	#8	17'-8"	
a6(E)	80	#8	15'-10"	
b(E)	106	#5	19'-8"	
b1(E)	164	#9	19'-8"	
b2(E)	4	#4	19'-8"	
t(E)	144	#4	9'-8"	
w(E)	80	#5	17'-8"	
w1(E)	80	#5	15'-10"	
ITEM			UNIT	QUANTITY
Concrete Structures			Cu. Yd.	21.1
Concrete Superstructure (Approach Slab)			Cu. Yd.	66.4
Reinforcement Bars, Epoxy Coated			Pound	26,290
Bar Splicers			Each	222



SECTION E-E

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

** Cost included with Concrete Superstructure (Approach Slab).

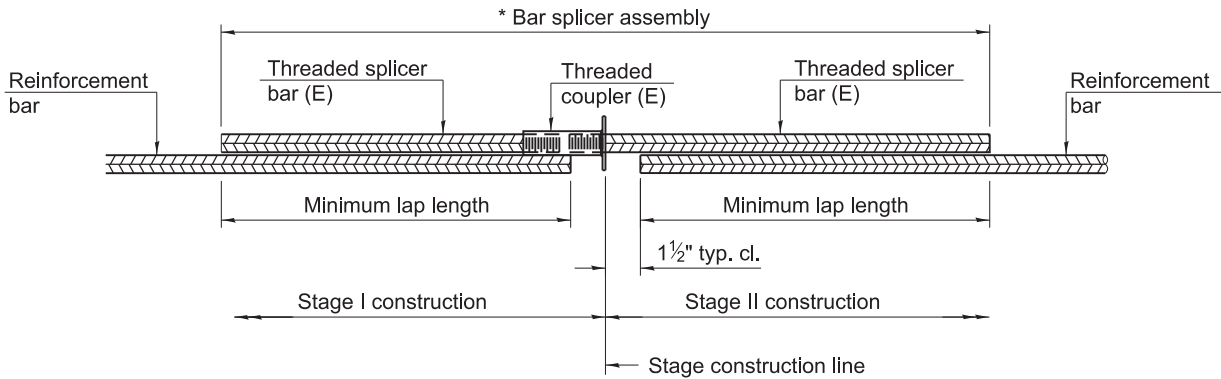
USER NAME = jessica.hille	DESIGNED - D. Lane	REVISED -
	DRAWN - D. Lane	REVISED -
	CHECKED - L. Hille	REVISED -
PLOT DATE = 4/21/2026	DATE - January 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS - SHEET 2 OF 2
S.N. 051-0056

SCALE: SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	25	20
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				



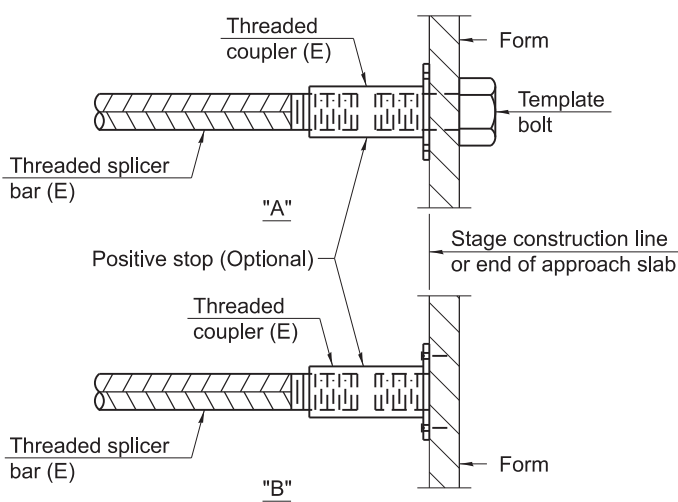
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 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	18	3'-10"
Hatch Block	#6	12	4'-5"
Corbel	#5	4	3'-0"
Approach	#5	62	2'-0"
Approach	#8	80	5'-2"
Approach Footing	#5	80	2'-1"

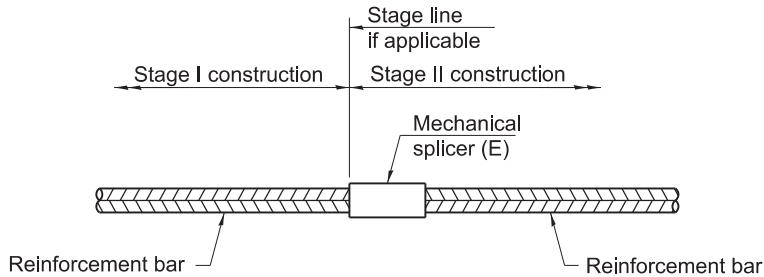


INSTALLATION AND SETTING METHODS

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

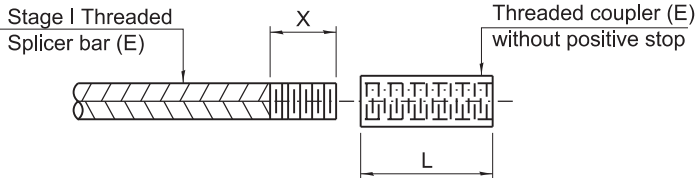
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar Size	No. assemblies required



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

MODEL: 051-0056 Sheet 11 (Sheet)
FILE NAME: c:\paw_work\paw\cpl\1129653\0774D71_051-0056 Sheets.dgn

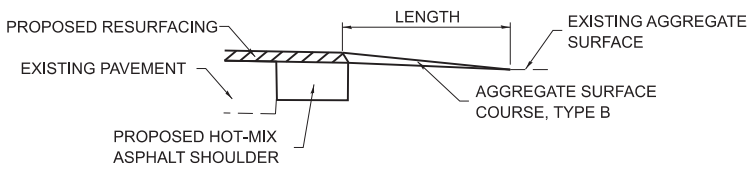
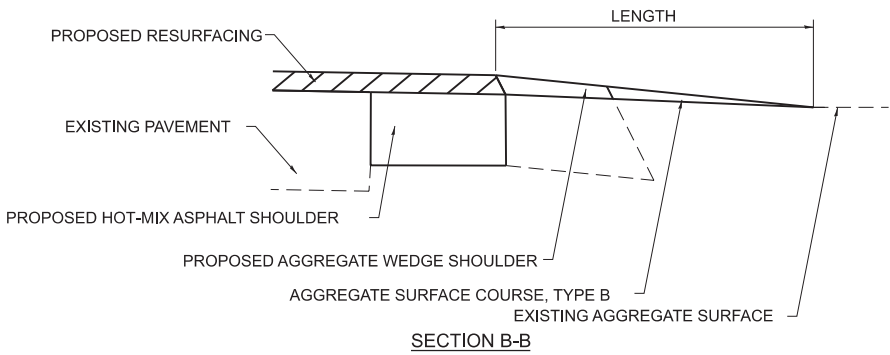
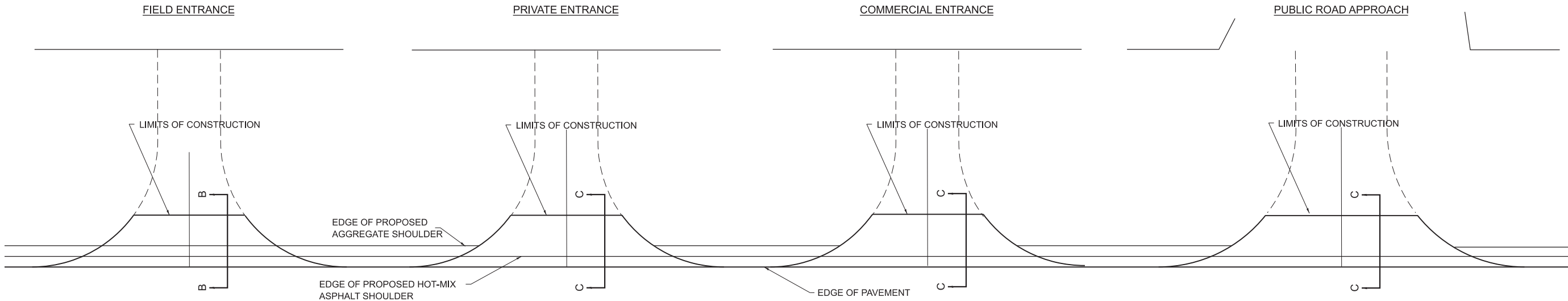
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PLOT DATE = 4/21/2026	DATE - -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

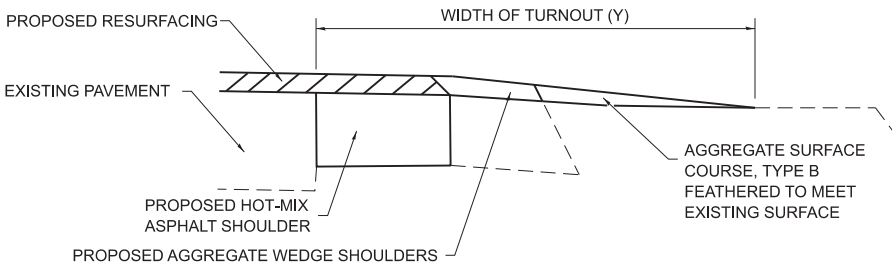
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
S.N. 051-0056

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	25	21
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

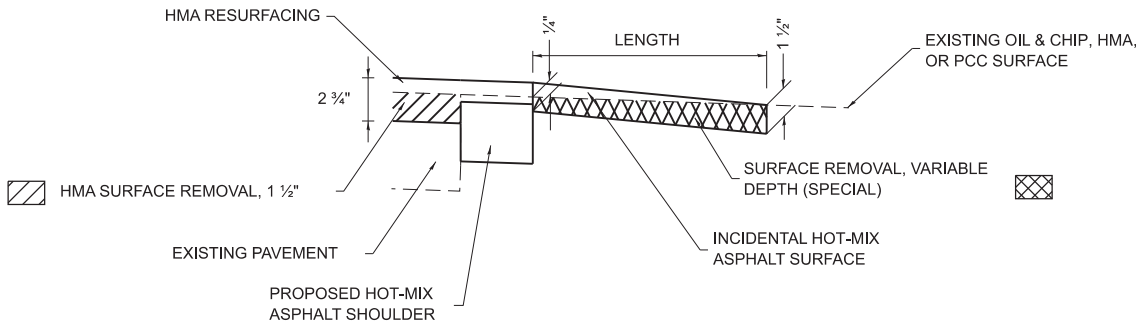


SECTION C-C



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS



SECTION C-C

NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

THE THICKNESS OF THE HOT-MIX ASPHALT SHOULDERS THROUGH AGGREGATE COMMERCIAL ENTRANCES AND PUBLIC ROADS SHALL BE 10". THE COSTS OF THE EXTRA THICKNESS SHALL BE INCLUDED WITH THE HOT-MIX ASPHALT SHOULDERS PAY ITEM.

MODEL: Entrances-1 [Sheet]
FILE NAME: c:\pw_work\pilotandrew.niemerg@illinois.gov\1129543\D774D71 Details.dgn

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/10/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

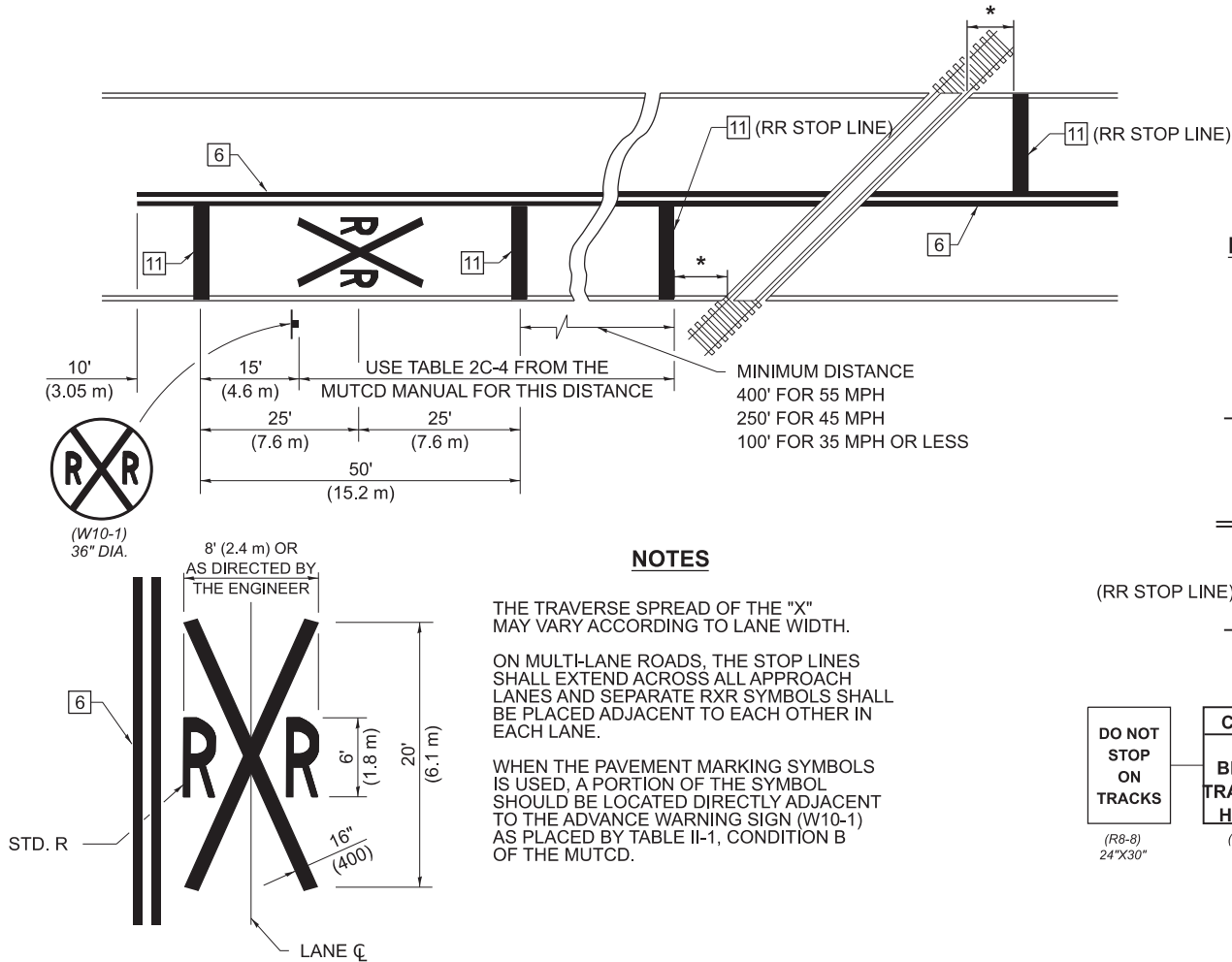
RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS
SHOULDER (PROPOSED)

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	22
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



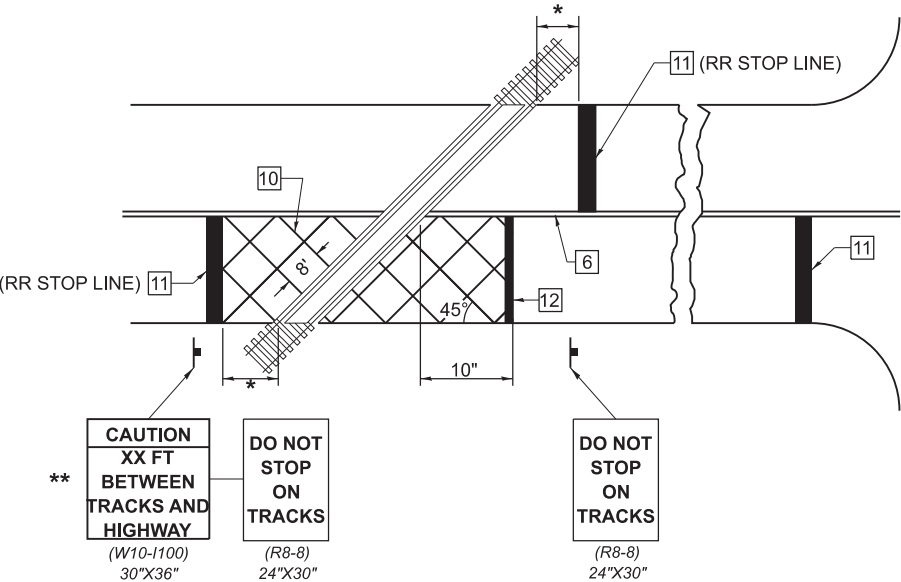
NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

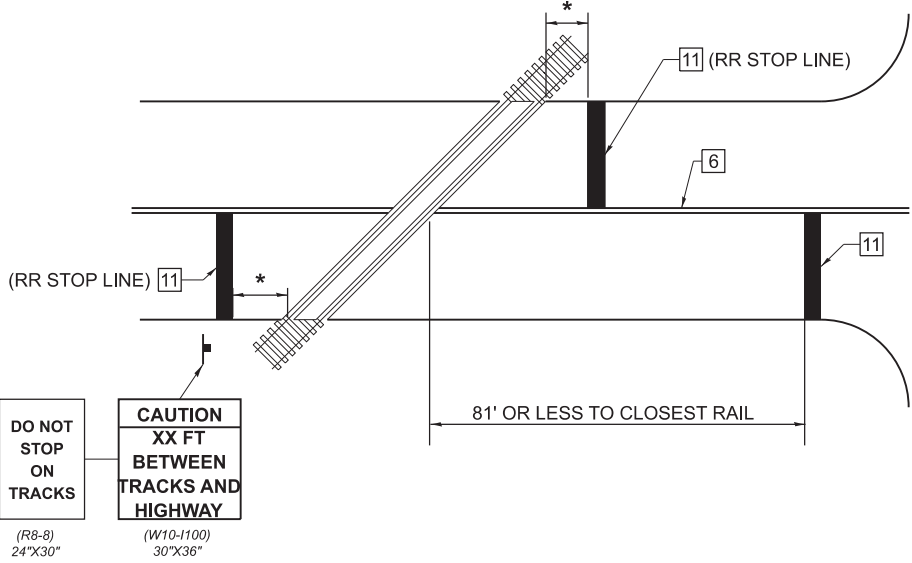
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOLS IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

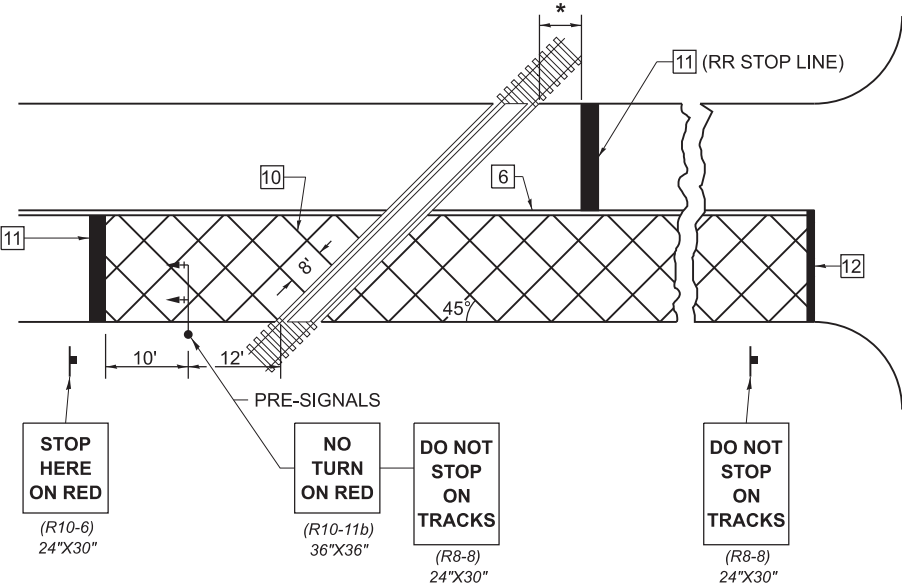
RAILROAD CROSSING WITH INTERCONNECT ONLY



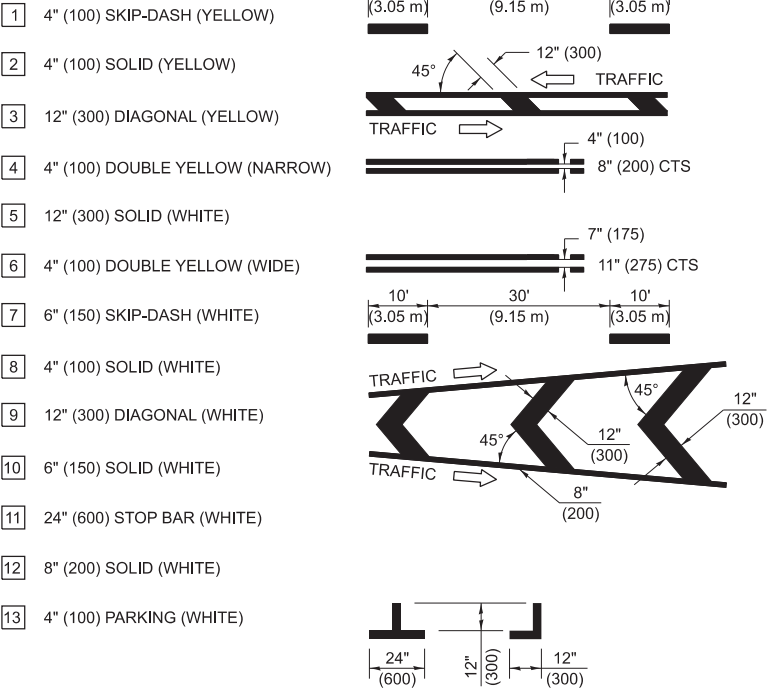
RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKING LEGEND



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
- WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-101 (18"x24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.
- PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION.



(W10-101)
18"x24"

- 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT
- WARNING SIGN W10-100 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.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	23
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

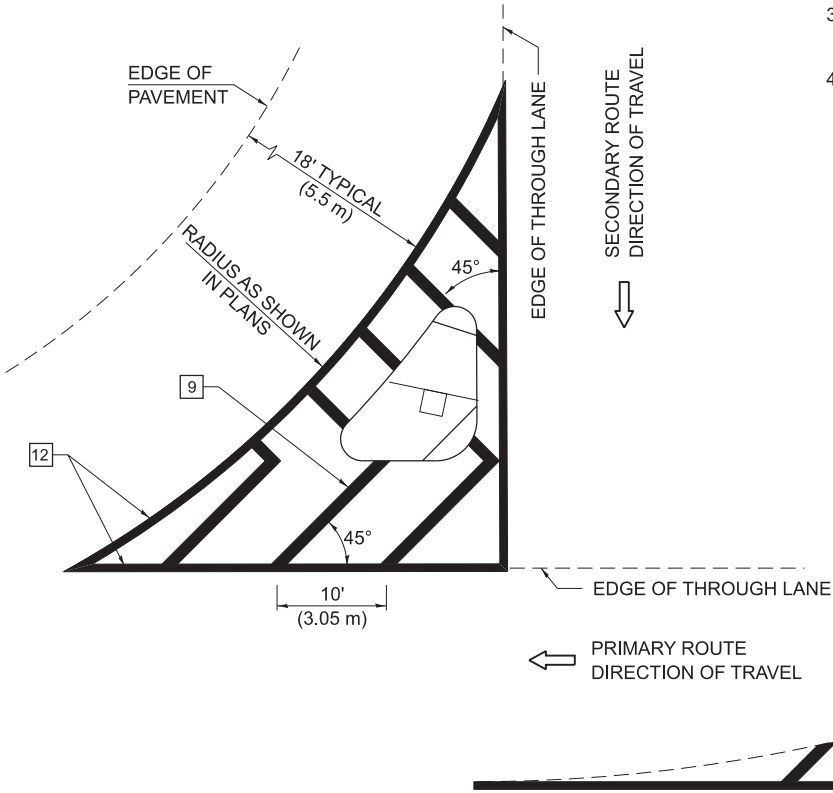
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	DRAWN -	REVISED -
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PLOT DATE = 6/8/2026	DATE -	REVISED -

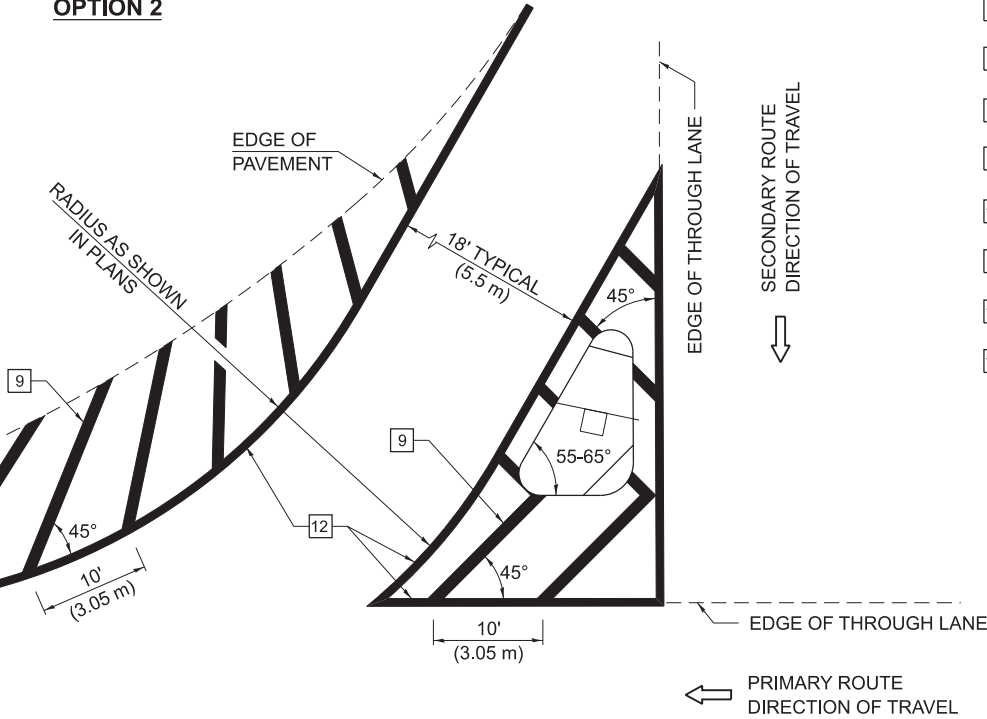
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ISLANDS

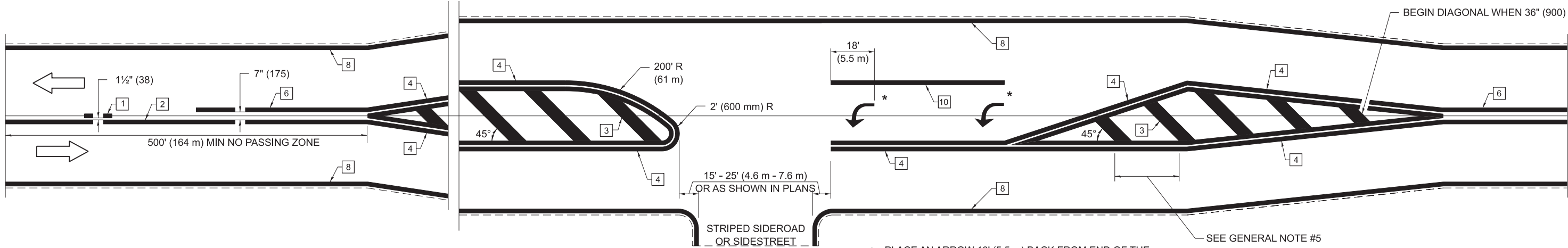
OPTION 1



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

USER NAME	= andrew.niemerg	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/8/2026	DATE	-	REVISED	-

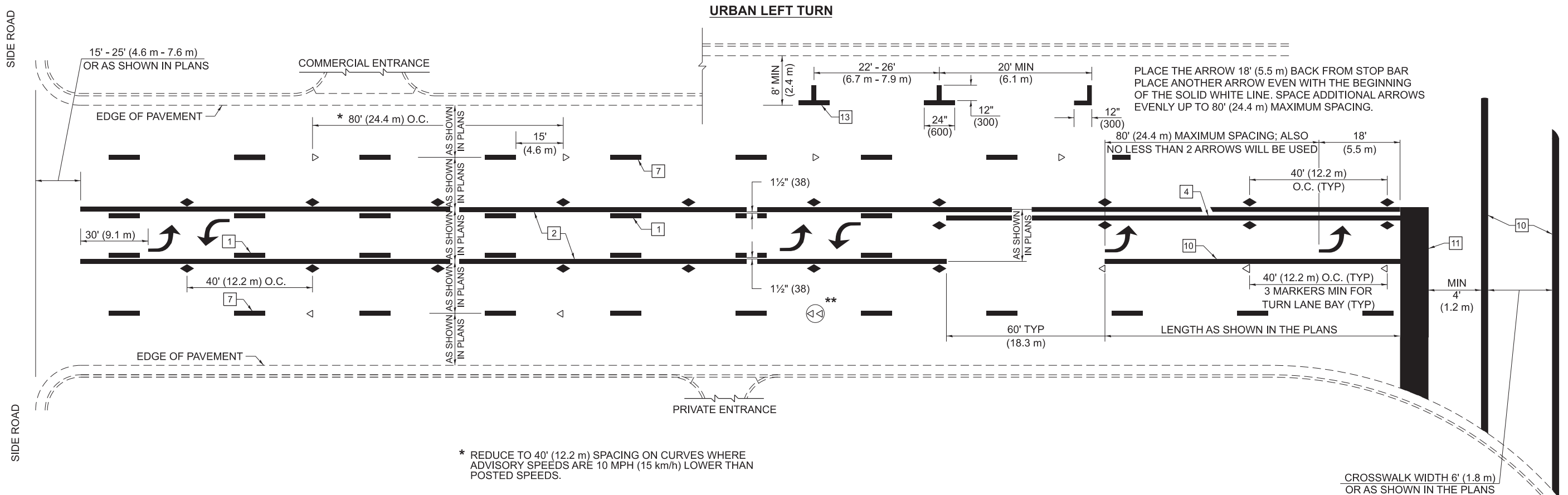
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	24
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

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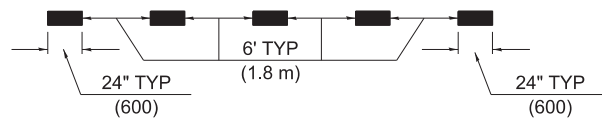
- * REDUCE TO 40' (12.2 m) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- ** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

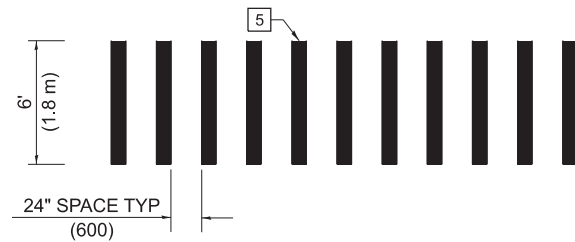
- | | | |
|----|---------------------------------|--|
| 1 | 4" (100) SKIP-DASH (YELLOW) | |
| 2 | 4" (100) SOLID (YELLOW) | |
| 3 | 12" (300) DIAGONAL (YELLOW) | |
| 4 | 4" (100) DOUBLE YELLOW (NARROW) | |
| 5 | 12" (300) SOLID (WHITE) | |
| 6 | 4" (100) DOUBLE YELLOW (WIDE) | |
| 7 | 6" (150) SKIP-DASH (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) | |

GENERAL NOTES

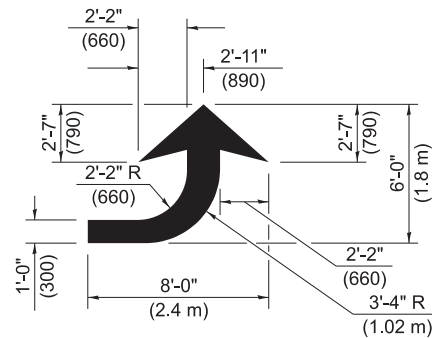
- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKING [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- THE SKIP-DASH PAVEMENT MARKING [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
- USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE SECTION 780 FOR SYMBOLS TABLE)
- LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.
- ALL WHITE SKIP-DASH LINES SHALL BE 6" IN WIDTH.



LANE LINE EXTENSIONS

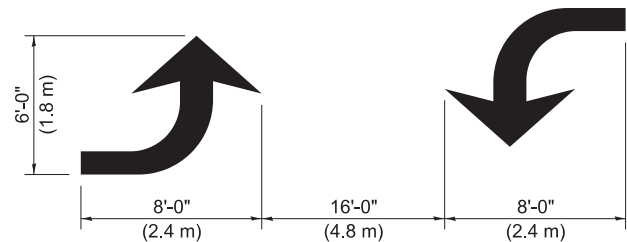


CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ.FT. (1.47 m²)
(WHITE)



TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

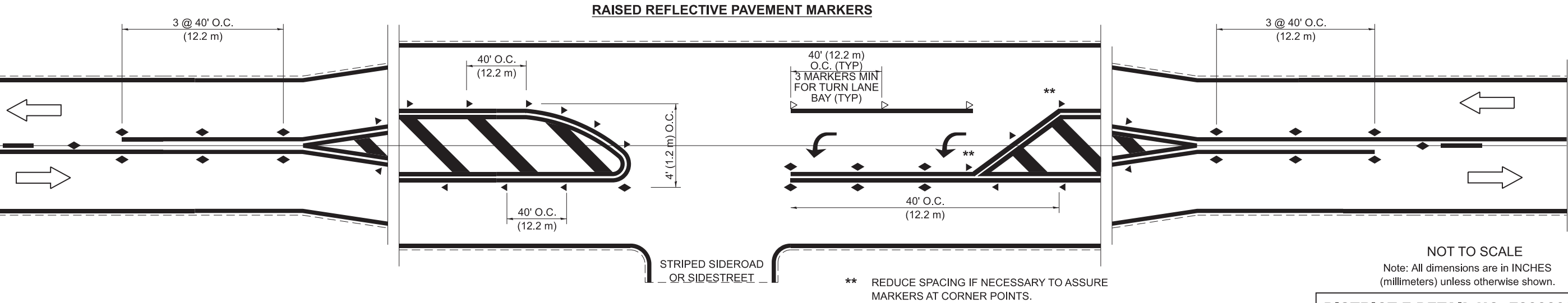
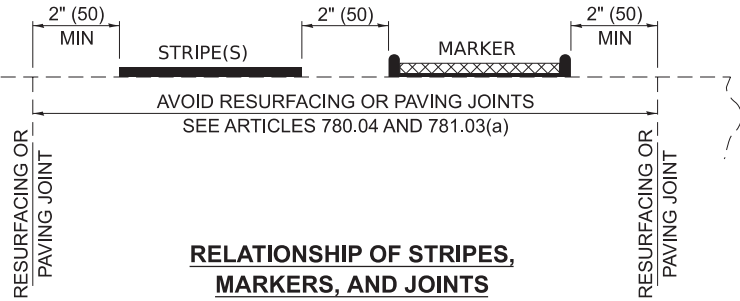
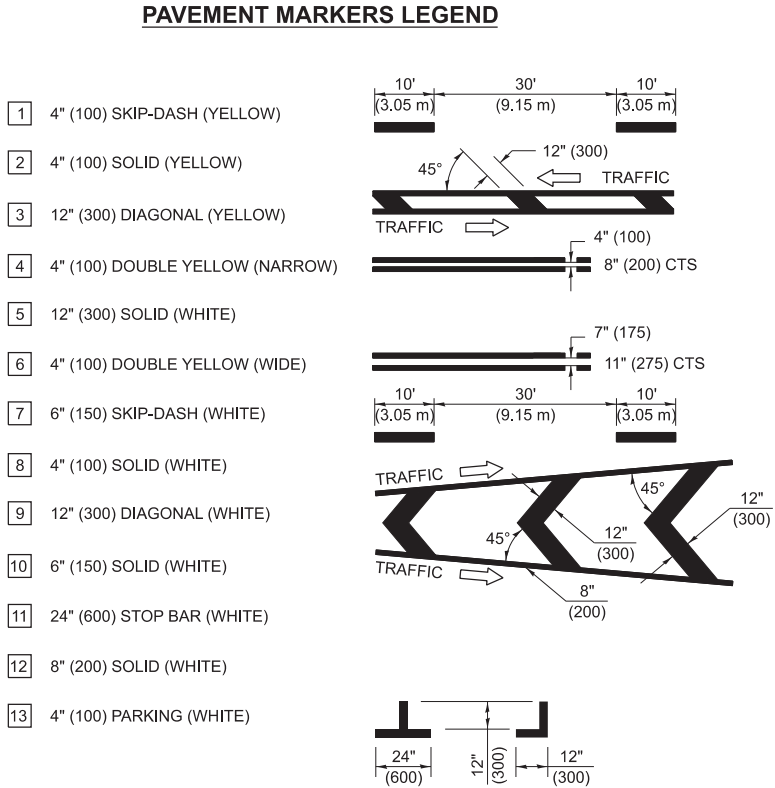
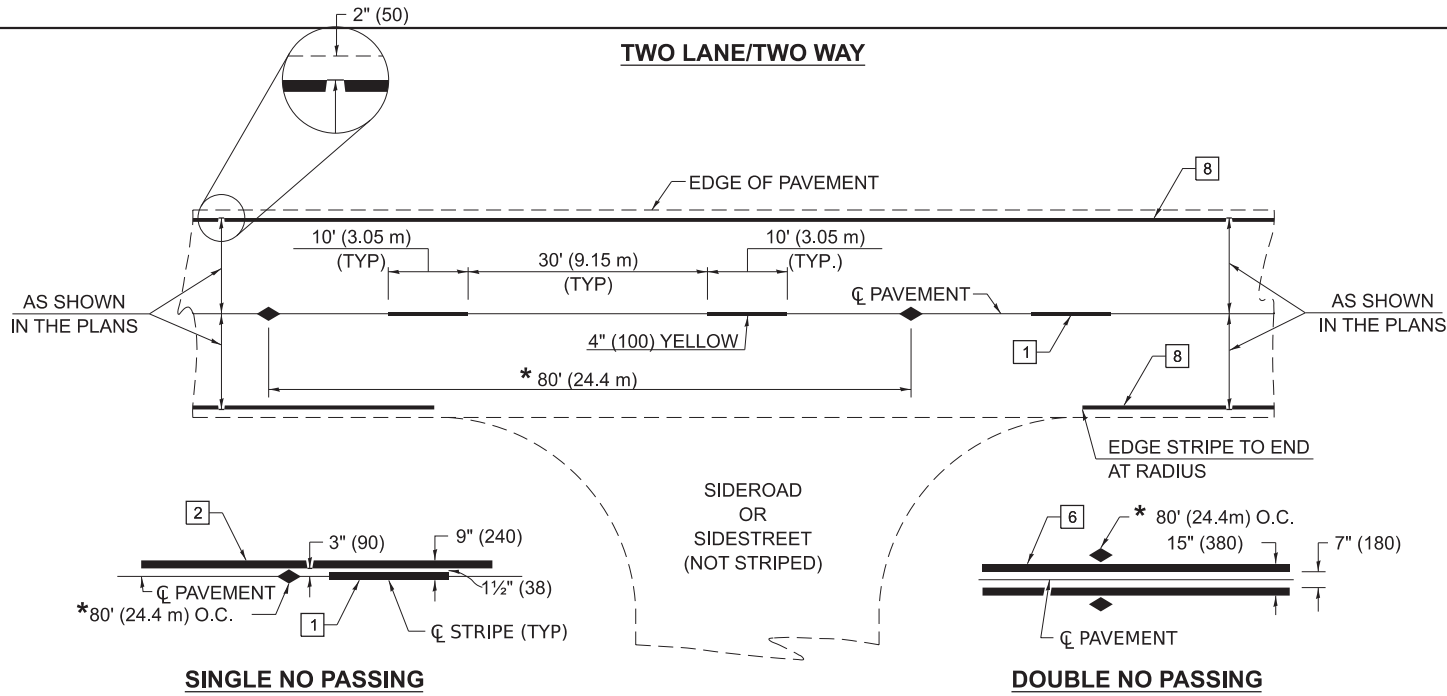
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	25
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

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

USER NAME = andrew.niemerg	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/8/2026	DATE -	REVISED -



DISTRICT 7 DETAIL NO. 78000001

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PLOT DATE	= 6/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1808	D7 BRIDGE REPAIRS 2027-2	LAWRENCE	26	26
CONTRACT NO. 74D71				
ILLINOIS FED. AID PROJECT				