

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	1
		ILLINOIS	CONTRACT NO. 76R96	

D-98-020-23

INDEX OF SHEETS
SEE SHEET 2

TRAFFIC DATA

AADT = 3650 (2024)
MU = 7.7% (2024)
SU = 3.7% (2024)
HCV = 57.0% (2024)

DESIGN SPEED

55 MPH

ROADWAY DESIGN DESIGNATION

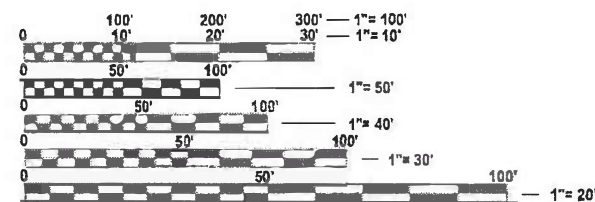
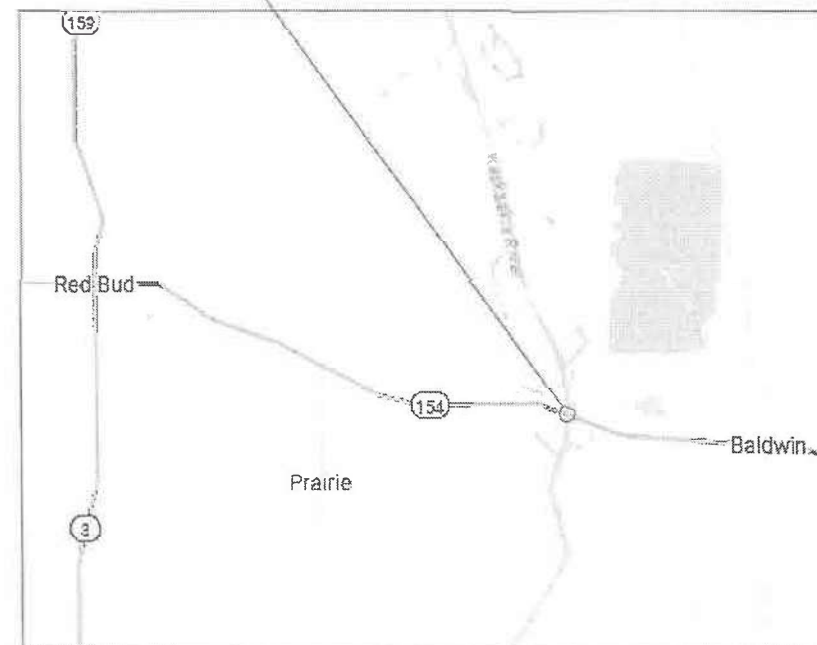
MINOR ARTERIAL

PROPOSED HIGHWAY PLANS

FAP ROUTE 329 (IL 154)
SECTION 125-1 BR-1
PROJECT BR-UML2(687)
BRIDGE REHABILITATION
RANDOLPH COUNTY

PROJECT LOCATION
ROUTE 154 OVER KASKASKIA RIVER
SN 079-0013
BEGIN STA. 317+68.50
END STA. 326+23.50
LATITUDE: 38.18838
LONGITUDE: -89.88872

C-98-063-23



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 MICHAEL BERG
PROJECT MANAGER BILLIE OWEN

CONTRACT NO. 76R96

GROSS LENGTH = 855 FT. = 0.1619 MILE
NET LENGTH = 855 FT. = 0.1619 MILE



Samantha M. Soto 6/4/26
Samantha M. Soto P.E. # 062-066034 DATE
LICENSE EXPIRES: NOVEMBER 30, 2027
HURST-ROSCHKE, INC.
SHEET RANGE: 1-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 6/17 20 24
Com. Mts. no
REGIONAL ENGINEER

August 14 2026
See Etc
ENGINEER OF DESIGN AND ENVIRONMENT

August 14 2026
Harry
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS
3-5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
7	SCHEDULE OF QUANTITIES
8	PLAN
9	STAGING TYPICAL SECTIONS
10-11	TRAFFIC STAGING PLANS
12-26	S.N. 079-0013

GENERAL NOTES

1. TWO CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED 2 WEEKS PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGABLE MESSAGE BOARDS WILL BE PLACED AT THE DIRECTION OF THE ENGINEER.
2. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
3. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
4. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING, INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES, AND/OR ELECTRICAL CABLES ASSOCIATED WITH TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS. IF ANY OF THESE EXIST WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
5. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTORS AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM IT'S FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN, AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOL USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PROPREARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
6. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
7. ALL DISTURBED EMBANKMENT AREAS SHALL BE SEEDED WITH CLASS 2A SEED, FERTILIZED AND MULCHED PER SECTION 250.04 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST FOR PERFORMING THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK INITIATING THE DISTURBANCE.
8. ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL."
9. AT LOCATIONS WHERE PERMANENT PAVEMENT MARKINGS ARE PROPOSED, THE CONTRACTOR SHALL SWEEP THE ENTIRE ROADWAY A MINIMUM OF TWO WEEKS, BUT NOT TO EXCEED THREE WEEKS, AFTER APPLICATION OF SEAL COAT AGGREGATE TO ALLOW PLACEMENT OF THE PAINT PAVEMENT MARKINGS. OF THIS TIME FRAME, THERE MUST BE SEVER CONSECUTIVE DAYS OF DRY WEATHER BEFORE THE FINAL PAVEMENT MARKINGS CAN BE APPLIED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE OF THE SURFACE TREATMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
10. ALL REMOVED GUARDRAIL COMPONENTS ARE THE PROPERTY OF THE CONTRACTOR AND THE SALVAGE VALUE OF SAID COMPONENTS SHALL BE REFLECTED IN THE CONTRACTOR'S BID.
11. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROEJCT AREA:

AMEREN ILLINOIS (ELECTRIC) 800 W. MAIN ST MARION IL 62959	EGYPTIAN ELECTRIC COOPERATIVE ASSOCIATION (ELECTRIC) 1005 WEST BROADWAY P.O. BOX 38 STEELEVILLE IL 62288-0158	CITY OF SPARTA (WATER AND SANITARY SEWER) 114 W. JACKSON ST SPARTA IL 62286
VILLAGE OF BALDWIN (WATER AND SANITARY SEWER) 212 WEST ELM ST P.O. BOX 5 BALDWIN IL 62217-0005	EGYPTIAN TELEPHONE COOP. ASSN. (COMMUNICATIONS) 1010 WEST BROADWAY P.O. BOX 158 STEELEVILLE IL 62288-0158	
CLEARWAVE FIBER LLC (COMMUNICATIONS) TWO NORTH VINE ST 2ND FLOOR P.O. BOX 808 HARRISBURG IL 62496	CITY OF RED BUD (WATER, SANITARY, GAS, & ELECTRIC) 200 E. MARKET ST RED BUD IL 62278-1597	

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701201-05	LANE CLOSURE, 2L 2W, DAY ONLY, 45 MPH OR MORE
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS≥45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS≥45 MPH
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

COMMITMENTS

NONE

MIXTURE TABLE

MIXTURE USE	SHOULDERS (LOW LIFT)	SHOULDER (HIGH LIFT)
PG	64-22	54-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIX)	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIXTURE "B"	MIXTURE "C"
MIXTURE WEIGHT	112 LBS / SQ YD / IN	112 LBS / SQ YD / IN
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA

MODEL: General Notes
FILE NAME: X:\Projects\Current\220-0845 IDOT WYO15 FAP Route 329 (IL 154)\DGN\0790013-0876R96-SHT-02-gennote.dgn

HR

Hurst-Rosche, Inc.
PROJECT ENGINEER, LICENSED PROFESSIONAL ENGINEER
5 BANK SQUARE
EAST ST. LOUIS, IL
PH: 618.398.0890

USER NAME = Crussell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/15/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS

SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	2
		CONTRACT NO. 76R96		
ILLINOIS		FED. AID PROJECT		

MODEL: SCQ-1
FILE NAME: X:\Projects\Current\220-0845 IDOT WD16 FAP Route 328 (IL 154)\DGN\0790013-D87696-SHT-3-5-SUMMARY-OF-QUANTITIES.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL
				20% STATE
				BRIDGE
				0047
				S.N. 079-0013
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	52	52
44004250	PAVED SHOULDER REMOVAL	SQ YD	256	256
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	256	256
50102400	CONCRETE REMOVAL	CU YD	32	32
50300100	FLOOR DRAINS	EACH	122	122
50300255	CONCRETE SUPERSTRUCTURE	CU YD	32.6	32.6
50300300	PROTECTIVE COAT	SQ YD	3108	3108
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	21171	21171
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6140	6140
50800515	BAR SPLICERS	EACH	80	80
50800530	MECHANICAL SPLICERS	EACH	128	128
52000110	PREFORMED JOINT STRIP SEAL	FOOT	115	115
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	30	30
53101008	BRIDGE DECK SCARIFICATION 2 1/4"	SQ YD	3002	3002

REV - MS

MODEL: SCQ-2
FILE NAME: X:\Projects\Current\220-0845 IDOT W015 FAP Route 329 (IL 154)\DGN\0790013-D876R96-SHT-3-5-SUMMARY-OF-QUANTITIES.dgn

				CONSTR. CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0047
				S.N. 079-0013
53101409	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2"	SQ YD	3002	3002
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	150	150
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	2934	2934
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	220	220
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1225	1225

* SPECIALTY ITEM

MODEL: SQ03
FILE NAME: X:\Projects\Current\220-0845 IDOT W015 FAP Route 329 (IL 154)\DGN\0790013-D876R96-SHT-3-5-SUMMARY-OF-QUANTITIES.dgn



Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM, INC.
5 BANK SQUARE
EAST ST. LOUIS, IL
PH: 618.398.0890

USER NAME	= Crussell
DESIGNED	- ####
DRAWN	- ####
CHECKED	- ####
PLOT DATE	= 6/4/2026

DESIGNED	- ####
DRAWN	- ####
CHECKED	- ####
DATE	- ####

REVISED	- ####
REVISED	- ####
REVISED	- ####
REVISED	- ####

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 3	OF 3 SHEETS	STA. TO STA.

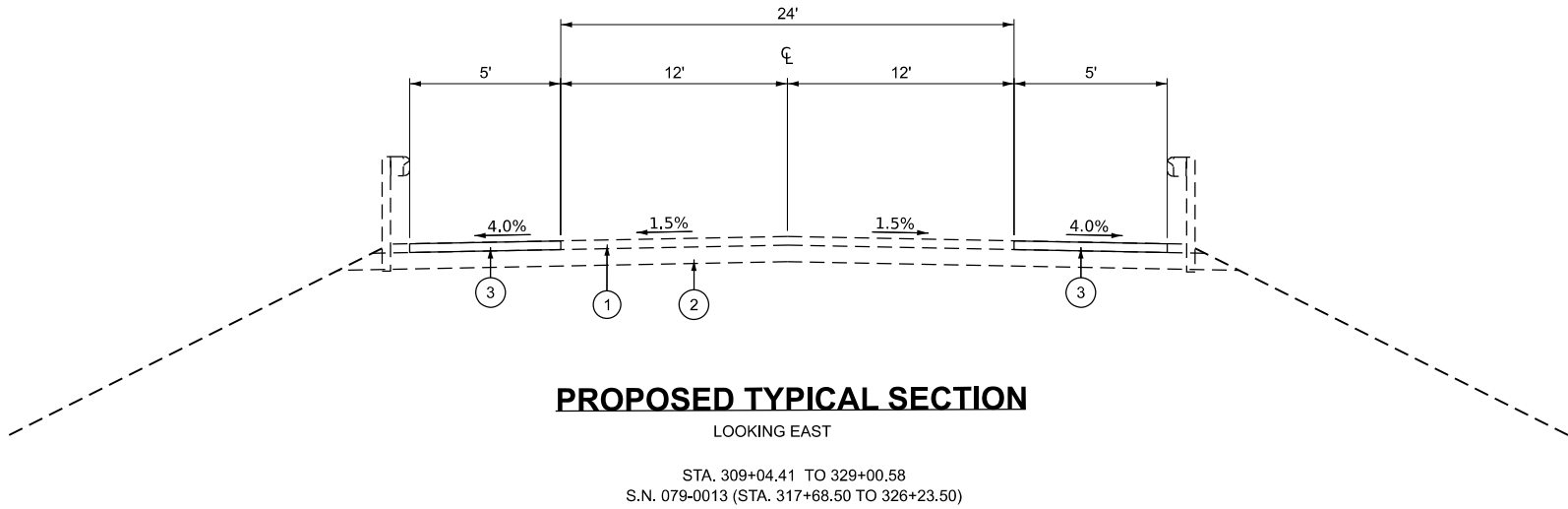
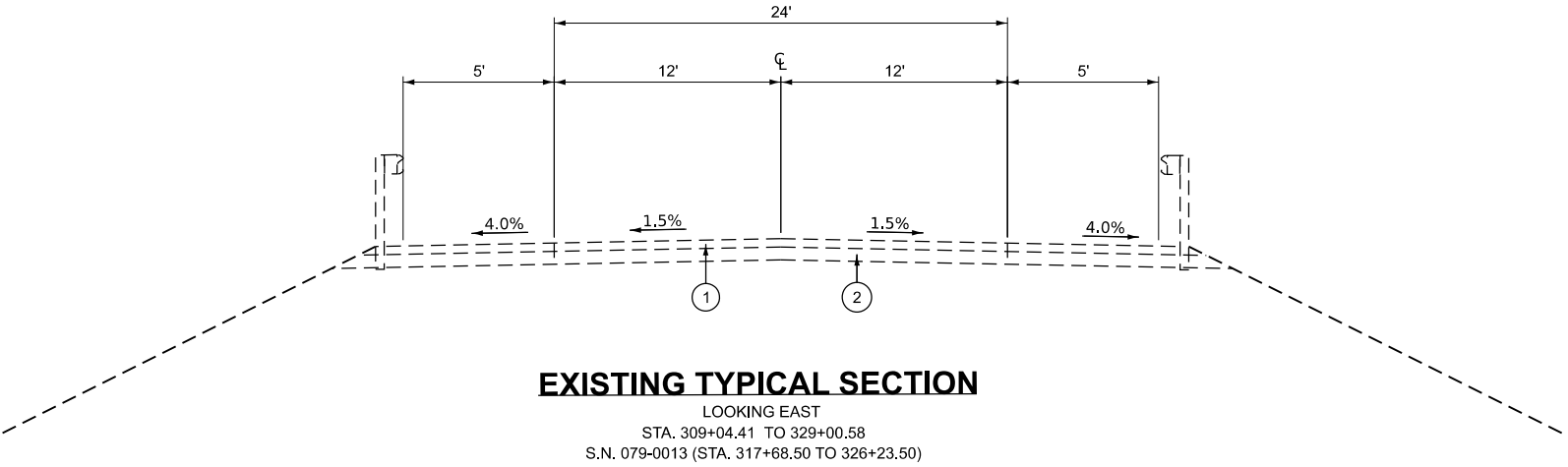
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	5
CONTRACT NO. 76R96				
ILLINOIS		FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL 20% STATE
				BRIDGE
				0047 S.N. 079-0013
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	3322	3322
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1122	1122
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1122	1122
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	3322	3322
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	13	13
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	13	13
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1662	1662
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	2388	2388
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Ø Z0076600	TRAINEES	HOURL	2000	2000
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	2836	2836
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	2000	2000
Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	38	38

* SPECIALTY ITEM Ø 0042

REV - MS

MODEL: Typical Sections
FILE NAME: X:\Projects\Current\220-0845 IDOT WO 15 FAP Route 329 (IL 154)\DCN\0790013-D876B96-SHT-06-typical.dgn



LEGEND

- ① EXISTING HMA SURFACE COURSE
- ② EXISTING AGGREGATE BASE COURSE
- ③ HOT-MIX ASPHALT SHOLDER 8"

	Hurst-Rosche, Inc. PROFESSIONAL DESIGN FIRM, INC. 5 BANK SQUARE EAST ST. LOUIS, IL PH: 618.398.0890	USER NAME = Crussell	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -					329	125-18R-1	RANDOLPH	26	6
			CHECKED -	REVISED -					CONTRACT NO. 76R96				
		PLOT DATE = 5/22/2026	DATE -	REVISED -		SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

MODEL: General Notes
FILE NAME: X:\Projects\Current\220-0845 IDOT W/O 15 F&P Route 329 (IL 154)\DGN\0730013-D876R96-SHT-07-SCHEDULE-OF-QUANTITIES.dgn

PAVEMENT MARKING SCHEDULE												
LOCATION			TYPE	EDGE/CL	LT/RT	PAVEMENT MARKING BLACKOUT TAPE, 5"	SHORT TERM PAVEMENT MARKING REMOVAL	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	PAVEMENT MARKING REMOVAL - WATER BLASTING	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
STAGE I						FOOT	SQ FT	FOOT	SQ FT	FOOT	EACH	EACH
STATION	to	STATION										
317+00.00	to	327+00.00	RRPM								13	
314+77.50	to	328+70.50	SOLID WHITE	EDGE	LT							
316+55.49	to	327+38.67	SOLID WHITE	EDGE	LT							
314+67.50	to	316+30.40	BLACKOUT TAPE	CL	CTR	163	68					
316+55.49	to	327+38.67	BLACKOUT TAPE	CL	CTR	1084	452					
327+70.50	to	329+30.50	BLACKOUT TAPE	CL	CTR	160	67					
STAGE II												
STATION	to	STATION										
315+57.50	to	328+78.50	SOLID WHITE	EDGE	RT							
316+56.99	to	327+42.52	SOLID WHITE	EDGE	RT							
314+97.50	to	317+11.86	BLACKOUT TAPE	CL	CTR	215	90					
316+56.99	to	327+42.52	BLACKOUT TAPE	CL	CTR	1086	453					
326+63.15	to	328+88.50	BLACKOUT TAPE	CL	CTR	226	95					
POST BRIDGE REPAIRS												
STATION	to	STATION										
317+00.00	to	327+00.00	RRPM									13
317+62.16	to	326+18.42	SOLID WHITE	EDGE	LT			857	429	857		
317+68.50	to	326+23.50	SOLID DBL YELLOW	CL	CTR			1710	855	1710		
318+73.13	to	326+27.96	SOLID WHITE	EDGE	RT			755	378	755		
TOTALS						2934	1225	3322	1662	3322	13	13

TEMPORARY CONCRETE BARRIERS						
LOCATION			TEMPORARY CONCRETE BARRIERS	RELOCATE TEMPORARY CONCRETE BARRIERS	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3
			FOOT	FOOT	EACH	EACH
STAGE I						
STATION	TO	STATION				
316+34.78	TO	327+57.20	1122		2	
STAGE II						
STATION	TO	STATION				
316+34.78	TO	327+57.20		1122		2
TOTAL			1122	1122	2	2

SHOULDER SCHEDULE						
LOCATION				PAVED SHOULDER REMOVAL	HMA SHOULDERS 8	BITUMINOUS MATERIALS (TACK COAT)
STATION		OFFSET		SQ YD	SQ YD	POUND
316+55.49	TO	317+68.50	LT	63	63	15
316+56.99	TO	317+68.50	RT	62	62	11
326+23.50	TO	327+38.67	LT	64	64	15
326+23.50	TO	327+42.52	RT	67	67	11
TOTALS				256	256	52



Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM, INC.
5 BANK SQUARE
EAST ST. LOUIS, IL
PH: 618.398.0890

USER NAME = Crussell

PLOT DATE = 6/5/2026

DESIGNED - _____
DRAWN - _____
CHECKED - _____
DATE - _____

REVISED - _____
REVISED - _____
REVISED - _____
REVISED - _____

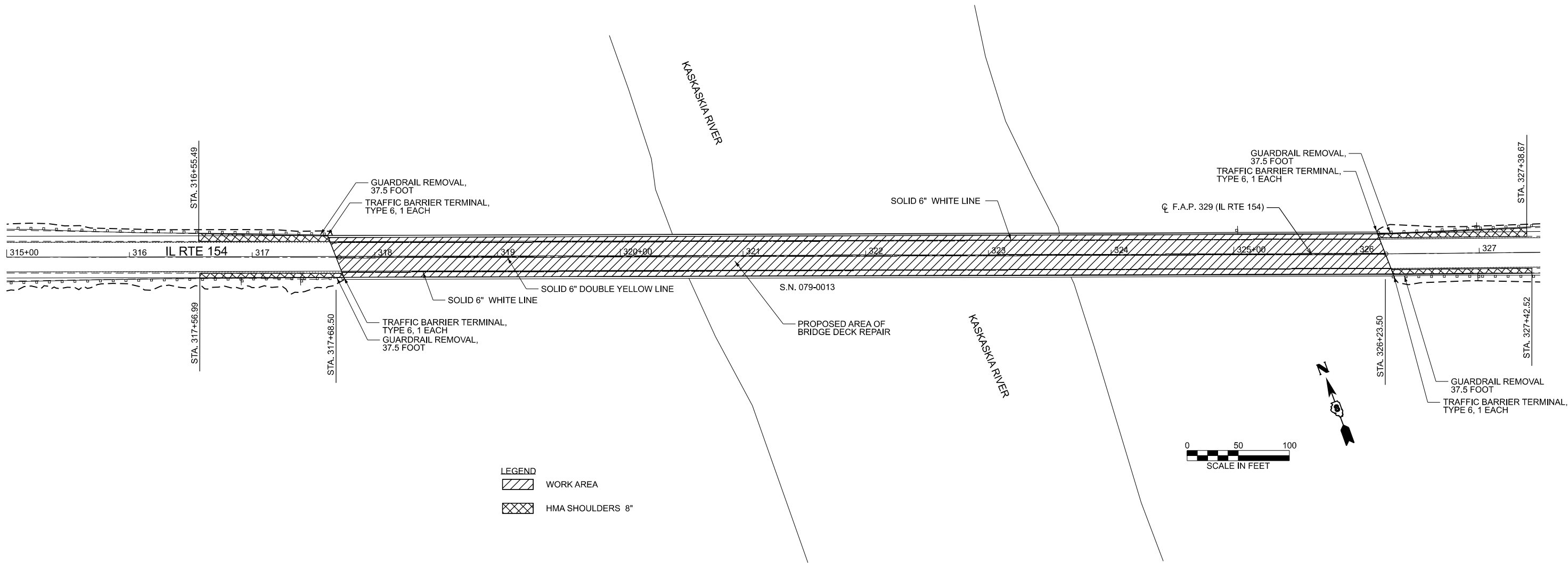
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	7
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				

MODEL: EXCL 1 - Plan 1 [Sheet]
FILE NAME: X:\Projects\Current\220-0845 IDOT WO 15 FAP Route 329 (IL 154)\DCN\0790013-0876696-SHT-08-Plan.dgn



LEGEND
WORK AREA
HMA SHOULDERS 8"



Hurst-Rosche, Inc.
5 BANK SQUARE
EAST ST. LOUIS, IL
PH: 618.398.0890

USER NAME = Crussell
PLOT DATE = 6/5/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

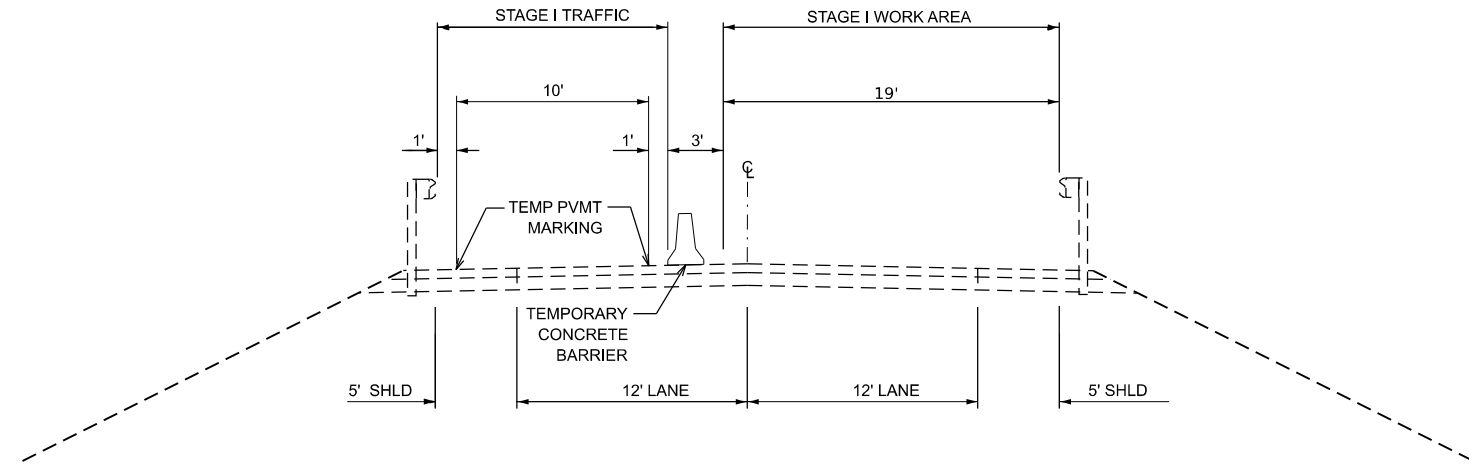
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 079-0013

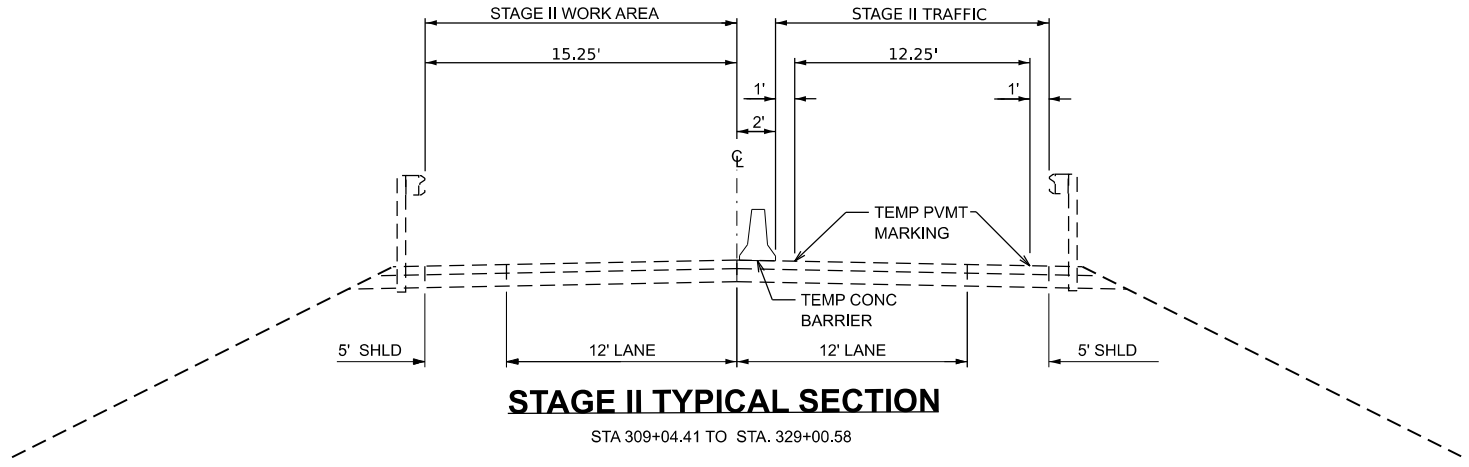
SCALE: 1:500 SHEET 1 OF 1 SHEETS STA. 315+00.00 TO STA. 327+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	8
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				



STAGE I TYPICAL SECTION

STA 309+04.41 TO STA. 329+00.58



STAGE II TYPICAL SECTION

STA 309+04.41 TO STA. 329+00.58

STAGE CONSTRUCTION NOTES

PRESTAGE TRAFFIC
USE HIGHWAY STANDARD 701326 FOR TRAFFIC CONTROL.

PRESTAGE CONSTRUCTION
REMOVE EXISTING SHOULDER AND REPLACE TO LIMITS SHOWN ON PLANS.
SEE HIGHWAY STANDARD AND MIX DESIGN.

STAGE I TRAFFIC
CLOSE EASTBOUND LANE TRANSITIONING EASTBOUND AND WESTBOUND TRAFFIC INTO THE WESTBOUND LANE AND SHOULDER USING HIGHWAY STANDARD 701321 AND AS DETAILED IN THE STAGING TYPICAL SECTIONS AND TRAFFIC STAGING PLANS.

STAGE I CONSTRUCTION
BRIDGE REPAIRS AS DETAILED IN THE BRIDGE PLANS.

STAGE II TRAFFIC
CLOSE WESTBOUND LANE TRANSITIONING EASTBOUND AND WESTBOUND TRAFFIC INTO THE EASTBOUND LANE AND SHOULDER USING HIGHWAY STANDARD 701321 AND AS DETAILED IN THE STAGING TYPICAL SECTIONS AND TRAFFIC STAGING PLANS.

STAGE II CONSTRUCTION
BRIDGE REPAIRS AS DETAILED IN THE BRIDGE PLANS.

POST-STAGE TRAFFIC
IN CASE THE PERMANENT FINAL PAVEMENT MARKING CANNOT BE PLACED, A QUANTITY OF TEMPORARY PAVEMENT MARKING IN THE QUANTITY OF THE PERMANENT MARKING HAS BEEN ADDED TO THE CONTRACT.

GENERAL STAGING NOTES
USE HIGHWAY STANDARD 701321 FOR SUPPLEMENTAL STAGING DETAILS SUCH AS SIGNING.

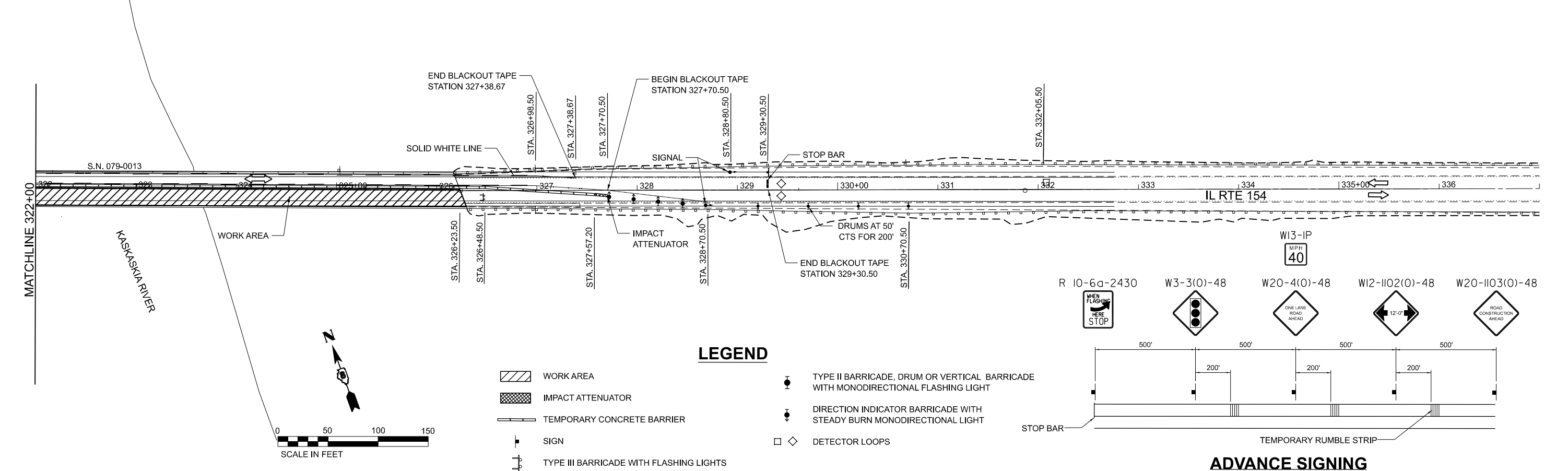
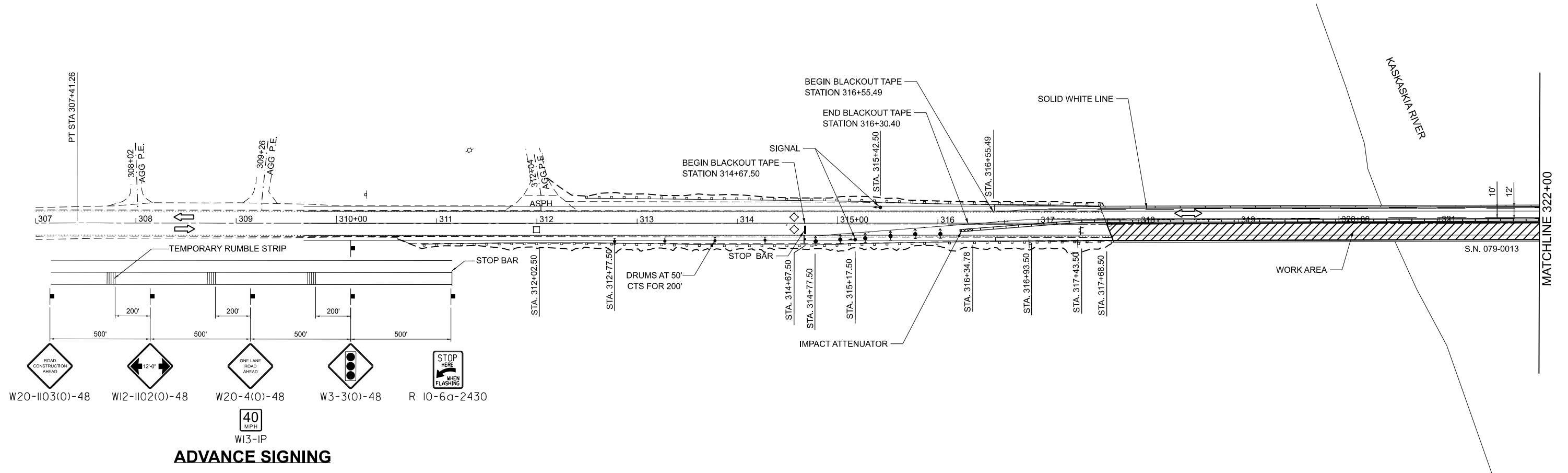
TEMPORARY RUMBLE STRIPS SHALL BE USED ON BOTH SIDES OF EACH STRUCTURE AND TRAFFIC TO ALTERNATE IN THE SAME LANE DIRECTED BY THE TRAFFIC SIGNALS PER STANDARD 701321.

STAGING DETAILS ARE SUBJECT TO CHANGE DUE TO EXISTING FIELD CONDITIONS

WIDTH RESTRICTION SIGNING SHALL BE PLACED AT THE INTERSECTIONS OF IL 159/3/154 IN REDBUD FOR THE SOUTHBOUND, EASTBOUND, AND NORTHBOUND LANES AND AT THE INTERSECTION OF IL 4 AND IL 154 IN SPARTA FOR THE WESTBOUND, SOUTHBOUND AND NORTHBOUND LANES WITH THE PROPER DIRECTIONAL ARROWS.

MODEL: Typical Sections
FILE NAME: X:\Projects\Current\220-0845 IDOT WO 15 FAP Route 329 (IL 154)\DCN\0790013-0876696-SHT-9-typical-staging.dgn

MODEL: EXCL 1 - Plan 1 [Sheet]
FILE NAME: X:\Projects\Current\220-0845 IDOT WO 15 FAP Route 329 (IL 154)\DGN\0790013-0876696-SHT-10-STAGING-1.dgn



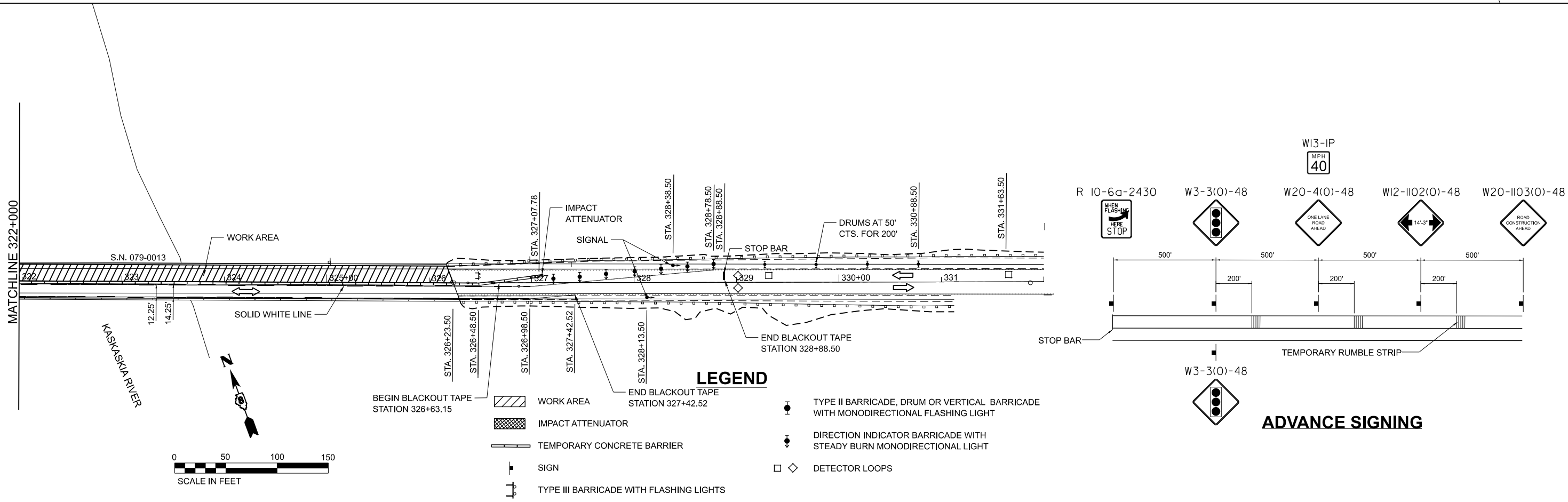
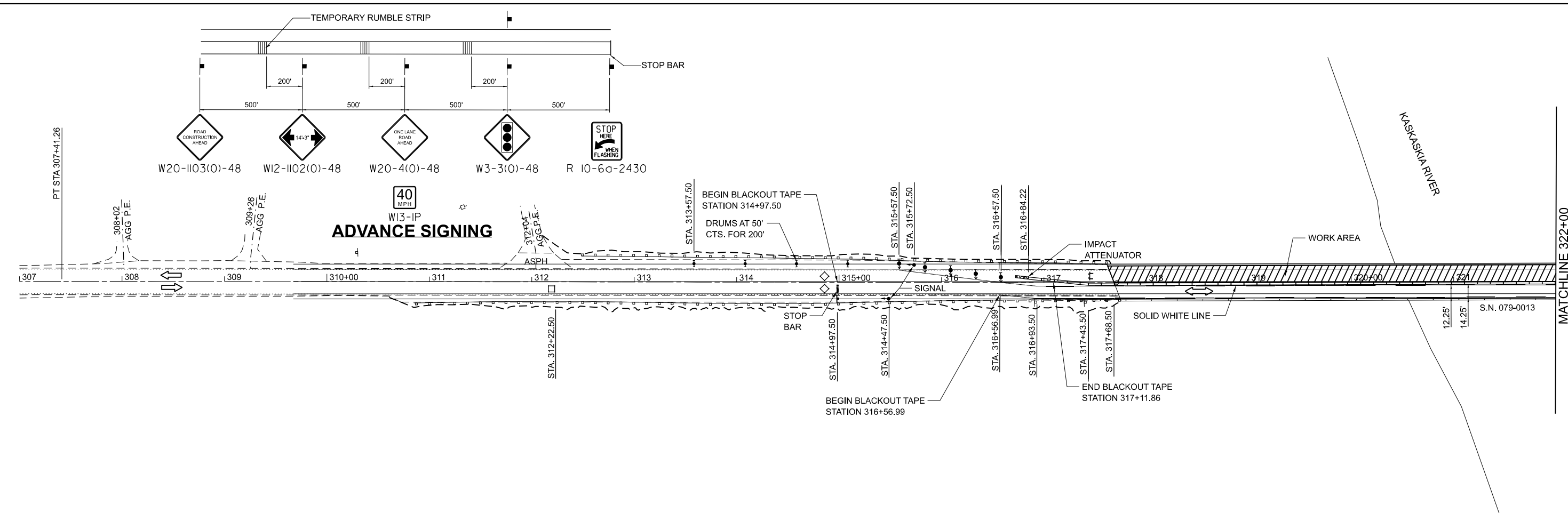
LEGEND

- WORK AREA
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DETECTOR LOOPS

ADVANCE SIGNING

HR	Hurst-Rosche, Inc. PROFESSIONAL DESIGN FIRM 5 BANK SQUARE EAST ST. LOUIS, IL PH: 618.398.0890	USER NAME = Crussell	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC STAGING PLAN STAGE I				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -						329	125-1BR-1	RANDOLPH	26	10
			CHECKED -	REVISED -		CONTRACT NO. 76R96								
		PLOT DATE = 6/15/2026	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
						SCALE: 1"=50'	SHEET 1 OF 2 SHEETS	STA. 307+00.00	TO STA. 337+00.00					

MODEL: EXCL 1 - Plan 1 [Sheet]
FILE NAME: X:\Projects\Current\220-0845 IDOT WO 15 FAP Route 328 (IL 154)\DGN\0790013-0876696-SHT-11-STAGING-2.dgn



"X" cut on S.W. corner of bridge curb. Overflow Bridge, 12' RT of Sta. 1011+80. Channel Transit line U.S.A.C.E. Elev. 396.12

The existing structure consists of two approach spans at 20'-5" over vaulted abutments. The existing structure is a five span bridge with a 9½" deck (7¼" deck + 2¼" microsilica overlay) supported by Wide-Flange beams. The end spans (spans 1 & 5) are single spans of 115'-5½" and the center 3 spans are continuous. Spans 2 and 4 are 189-1½" and span 3 is 244'-0". The existing structure is skewed at 19°30' right ahead. The superstructure is supported by spill-thru abutments and footing-supported solid wall piers. The superstructure was constructed in 1970 as 125B-1. It has an out-out deck width of 36'-0" and a back-back abutment length of 855'-0". Stage Construction will be utilized.

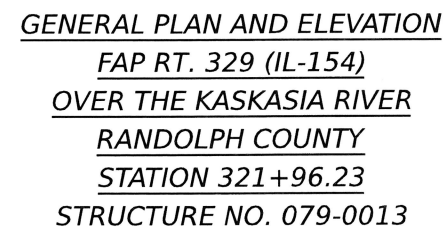
Salvage: None



- A** Bridge Deck Scarification 2¾" and 2½" Latex Concrete Overlay
- B** Expansion Joint Replacement
- C** Replace Diaphragms
- D** Beam End Painting
- E** Fascia Beam Painting
- F** Replace Floor Drains

1. General Plan & Elevation
2. General Data
3. Stage Construction
4. Temporary Concrete Barrier
5. Deck Repair Plan
6. Expansion Joint Replacement at Abutments
7. Expansion Joint Replacement at Pier 4
8. Expansion Joint Replacement at Pier 1
9. Joint Replacement Details
10. Drain Replacement Details
11. Cross Frame Replacement Details
12. Preformed Joint Strip Seal
13. Modular Joint Details
14. Sliding Plate Details
15. Bar Splicers and Mechanical Splicer Assemblies

- *Latex Concrete Overlay*
- *Expansion Joint Replacement*



HR	Hurst-Rosche, Inc. PROFESSIONAL DESIGN & CONSTRUCTION 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959	USER NAME = aervin	DESIGNED - JJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 079-0013	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			CHECKED - CJC	REVISED -			329	125-1BR-1	RANDOLPH	26	12
		PLOT SCALE = \$SCALE\$	DRAWN - AE	REVISED -			CONTRACT NO. 76R96				
		PLOT DATE = 8/6/2026	CHECKED - CJC	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET 1 OF 15 SHEETS											

BILL OF MATERIALS

ITEM	UNIT	SUPER	TOTAL
Floor Drains	Each	122	122
Concrete Removal	Cu Yd	32.0	32.0
Concrete Superstructure	Cu Yd	32.6	32.6
Protective Coat	Sq Yd	3,108	3,108
Furnishing and Erecting Structural Steel	Pound	21,171	21,171
* Reinforcement Bars, Epoxy Coated	Pound	6,140	6,140
Bar Splicers	Each	80	80
Mechanical Splicers	Each	128	128
Preformed Joint Strip Seal	Foot	115	115
* Deck Slab Repair (Full Depth, Type I)	Sq Yd	30	30
* Containment and Disposal of Lead Paint Cleaning Residues, No. 1	Lsum	1	1
* Cleaning and Painting Steel Bridge No. 1	Lsum	1	1
* Bridge Deck Scarification, 2¼"	Sq Yd	3,002	3,002
* Bridge Deck Latex Concrete Overlay, 2½"	Sq Yd	3,002	3,002
* Diamond Grinding (Bridge Section)	Sq Yd	2,836	2,836
* Modular Expansion Joint 6"	Foot	38	38
* Bridge Deck Grooving (Longitudinal)	Sq Yd	2,388	2,388

* Denotes Special Provision

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck for expansion joint reconstruction and deck slab repairs, all heavy or loose rust, loose mill scale, and other loose 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 paid for according to Article 109.04 of the Standard Specifications.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼ in. deep shall be identified and reported to the Bureau of Bridges & Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to the existing strucutre 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 variation shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Existing reinforcement shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to "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 degrees Fahrenheit.

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

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.

Cleaning and painting of the existing structural steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures". All beams, bearings, and other structural steel of either side of deck joints shall be cleaned per Near white Blast Cleaning – SSPC – SP10.

The designated areas cleaned per Near White Blast Cleaning (SSPC – SP10) shall be painted according to the requirements of Paint System 1 OZ/E/U. The color of the final finish coat for all steel surfaces shall be Gray, Munshell No. 5B 7/1.

All diaphragm replacement materials including structural steel, angles, bolts, nuts, and washers shall be galvanized per the special provision "Hot-Dip Galvanizing for Structural Steel." Costs included in "Furnishing and Erecting Structural Steel."

SSPC QP1 and QP2 Contractor Certification is required for this Contract.

The number, location, and orientation of support boxes shall be determined by the manufacturer. All boxes shall be located to miss the top flanges of the girders. Modular expansion joints shall be assembled in their final relative position with the ends in place for inspection and acceptance.

SCOPE OF WORK

1. Implement Traffic Control and shift traffic to the North side of the structure.
2. Perform Bridge Deck Scarification, 2¼".
3. Perform Expansion Joint reconstructions. (3 Preformed joint strip seals at the abutments and Pier 4, and 1 Modular Expansion Joint at Pier 1).
4. Perform Deck Slab Repairs and Replace Floor Drains.
5. Perform Latex Concrete Overlay, 2½".
6. Remove End Diaphragms.
7. Paint Beam Ends and Replace End Diaphragms.
8. Paint Remaining Structural Steel.
9. Shift Traffic to the South side of the structure and repeat items 2 through 8.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 079-0013

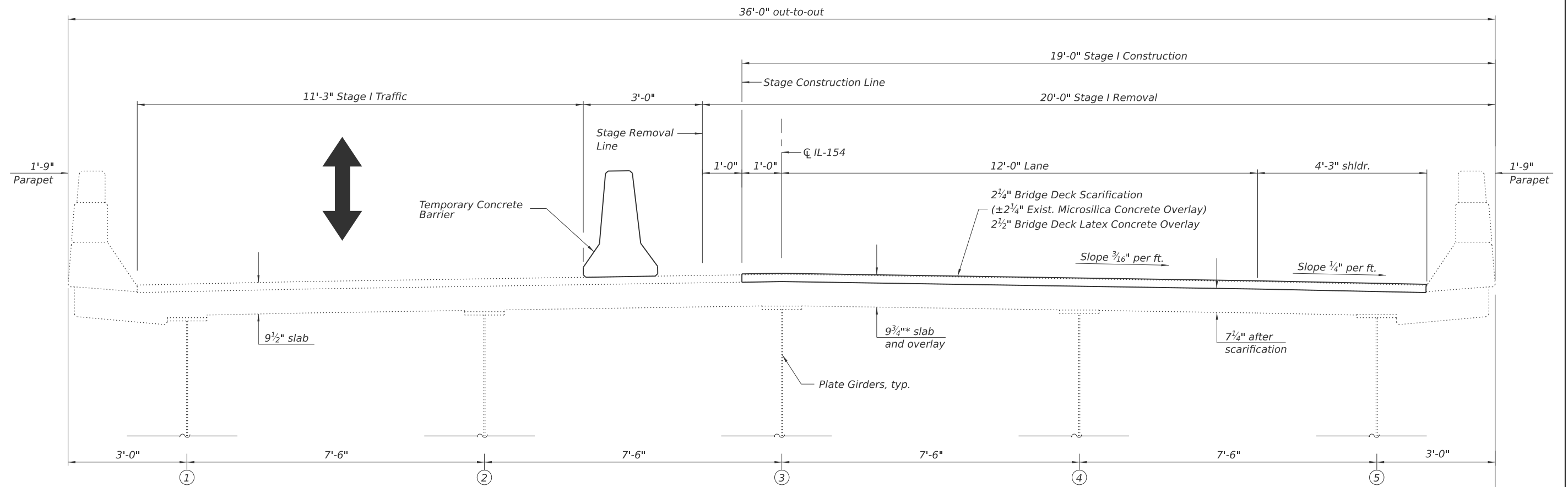
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	13
		CONTRACT NO. 76R96		
		ILLINOIS	FED. AID PROJECT	

SHEET 2 OF 15 SHEETS



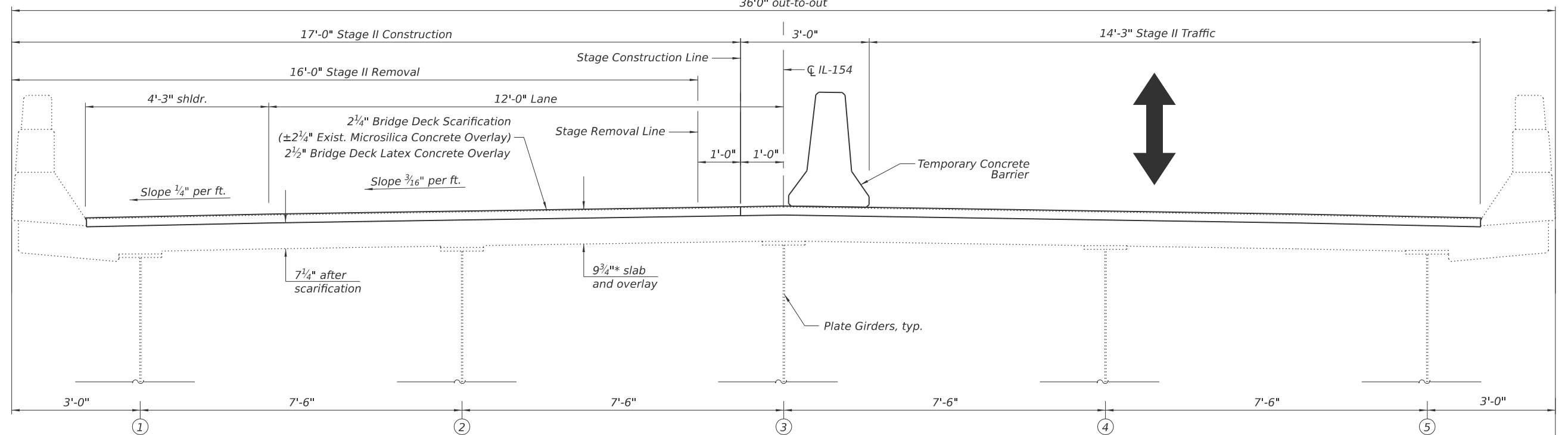
Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959

USER NAME = cconnor	DESIGNED - JJC	REVISED -
	CHECKED - CJC	REVISED -
PLOT SCALE = \$\$CALE\$	DRAWN - AE	REVISED -
PLOT DATE = 8/6/2026	CHECKED - CJC	REVISED -



STAGE I REMOVAL & CONSTRUCTION

(Looking East)
*Prior to Grinding
36'0" out-to-out



STAGE II REMOVAL & CONSTRUCTION

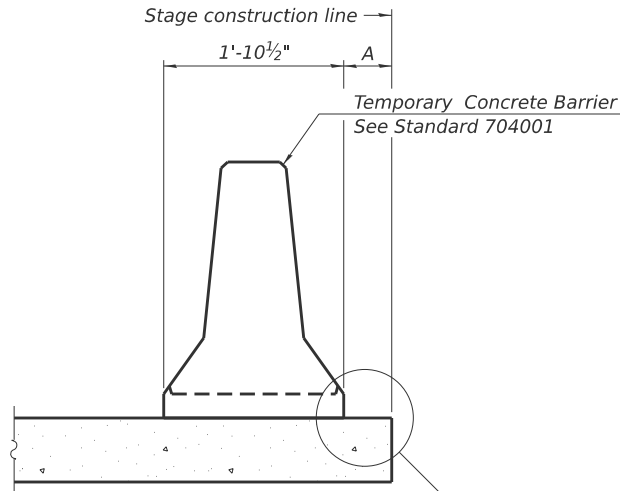
(Looking East)
*After Grinding

MODEL: 009-Stage Construction.dgn
FILE NAME: X:\Projects\Content\225-0845 IDOT IWO 15 FAP Route 325 IL 154\IDM0750013-0875696-Sheets.dgn

	Hurst-Rosche, Inc. PROFESSIONAL DESIGN NUMBER: 184-00208 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959	USER NAME = aenln	DESIGNED - JJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION STRUCTURE NO. 079-0013	F.A.P RTE. 329	SECTION 125-1BR-1	COUNTY RANDOLPH	TOTAL SHEETS 26	SHEET NO. 14
			CHECKED - CJC	REVISED -							
		PLOT SCALE = \$SCALE\$	DRAWN - AE	REVISED -							
		PLOT DATE = 8/6/2026	CHECKED - CJC	REVISED -							
SHEET 3 OF 15 SHEETS							CONTRACT NO. 76R96				
							ILLINOIS FED. AID PROJECT				

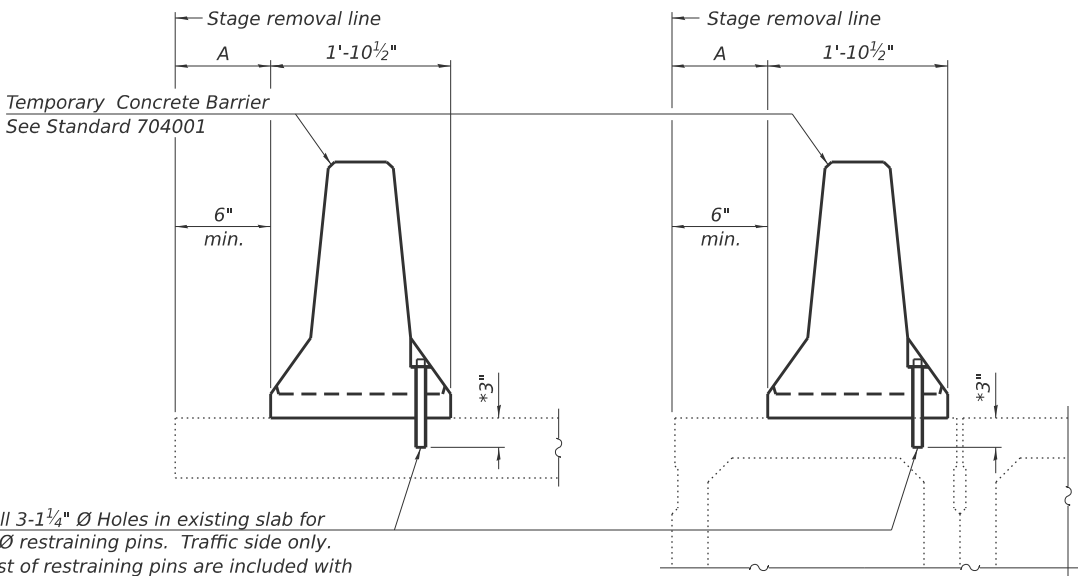
8/6/2026

8:52:44 AM



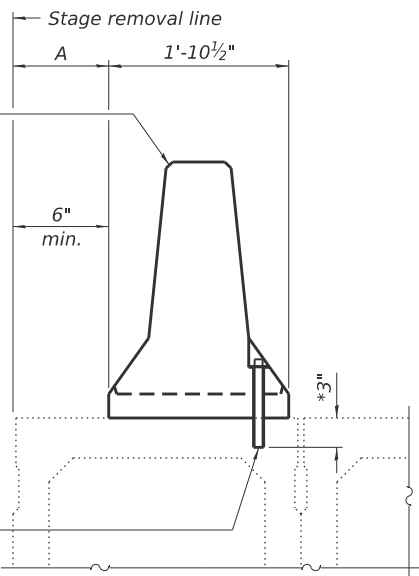
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



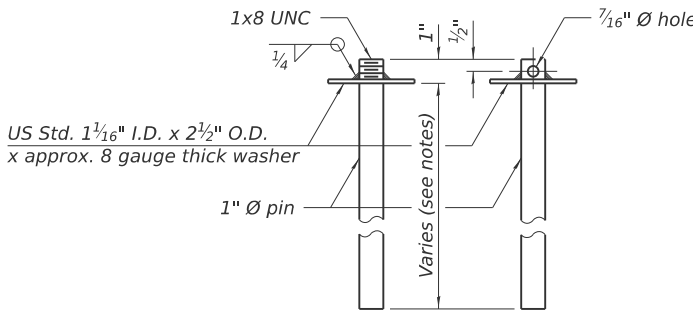
Drill 3-1 1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins is included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB



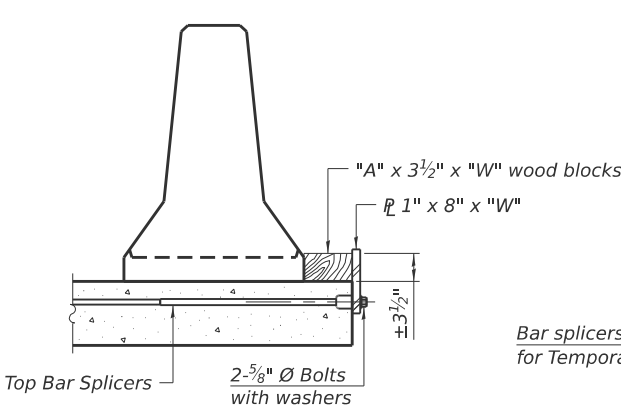
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

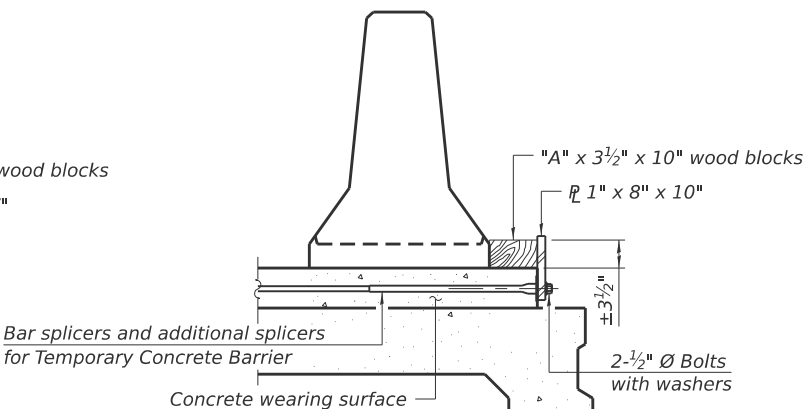


RESTRAINING PIN

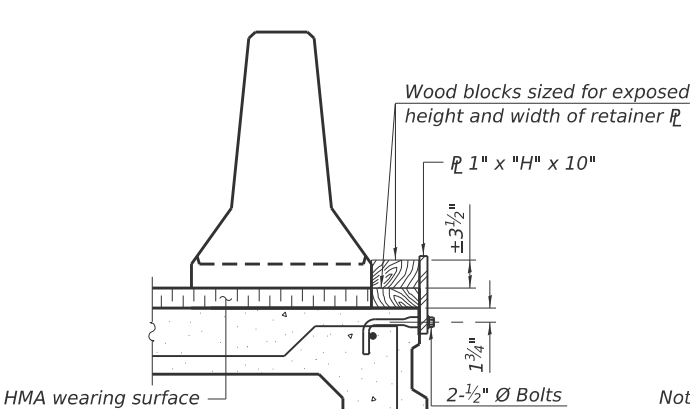
SECTIONS THRU SLAB OR DECK BEAM



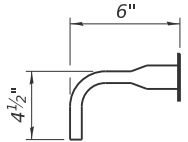
DETAIL I



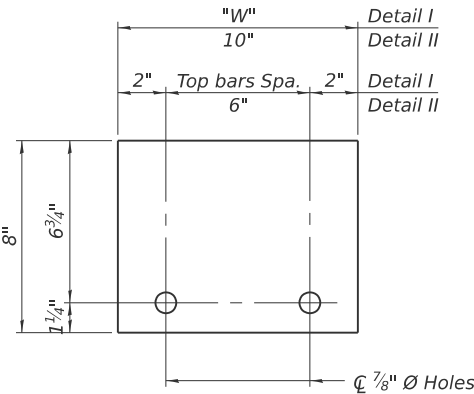
DETAIL II



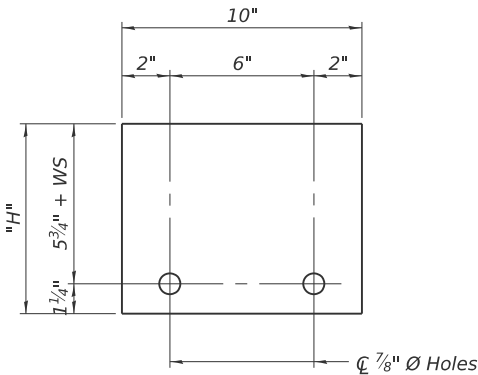
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

Notes:
Cost of retainer assembly is included with Temporary Concrete Barrier. A retainer assembly shall be located at the approximate C of each temporary concrete barrier.
The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

MODEL: 004 Temp conc barrier
FILE NAME: X:\Projects\Content\125-0645 BDOT W015 FAP Route 325 (IL 154)\DGN\0750013-087696-Sheets.dgn



Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959

USER NAME	= aernh
PLOT SCALE	= \$\$CALES
PLOT DATE	= 8/6/2026

DESIGNED	- JJC
CHECKED	- CJC
DRAWN	- AE
CHECKED	- CJC

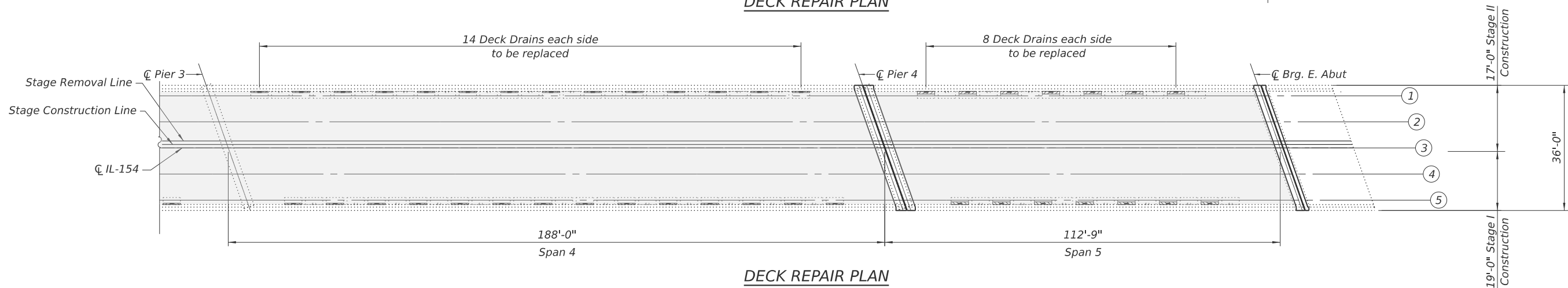
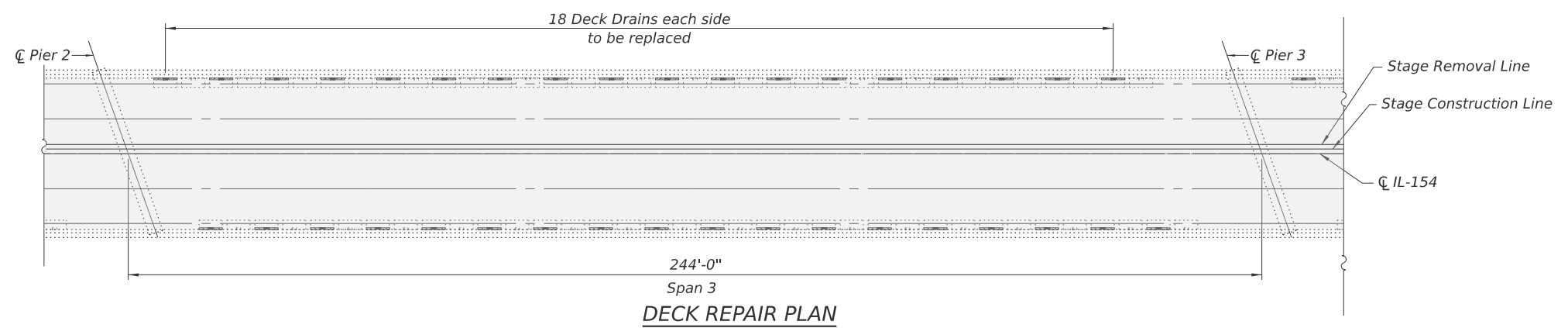
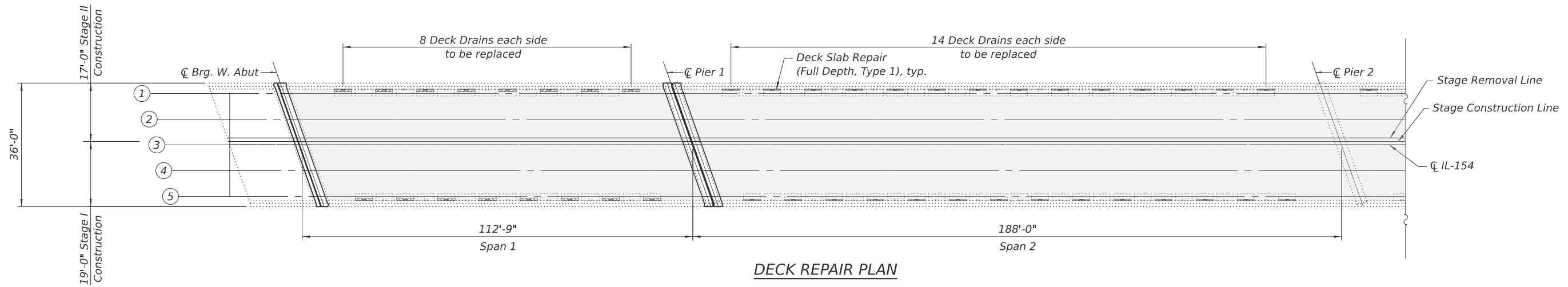
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 079-0013

SHEET 4 OF 15 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	15
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				



LEGEND

- Deck Drain to be Replaced
- Deck Slab Repair (Full Depth, Type 1)
- Bridge Deck Latex Concrete Overlay, 2 1/2"
- Expansion Joints Replacement

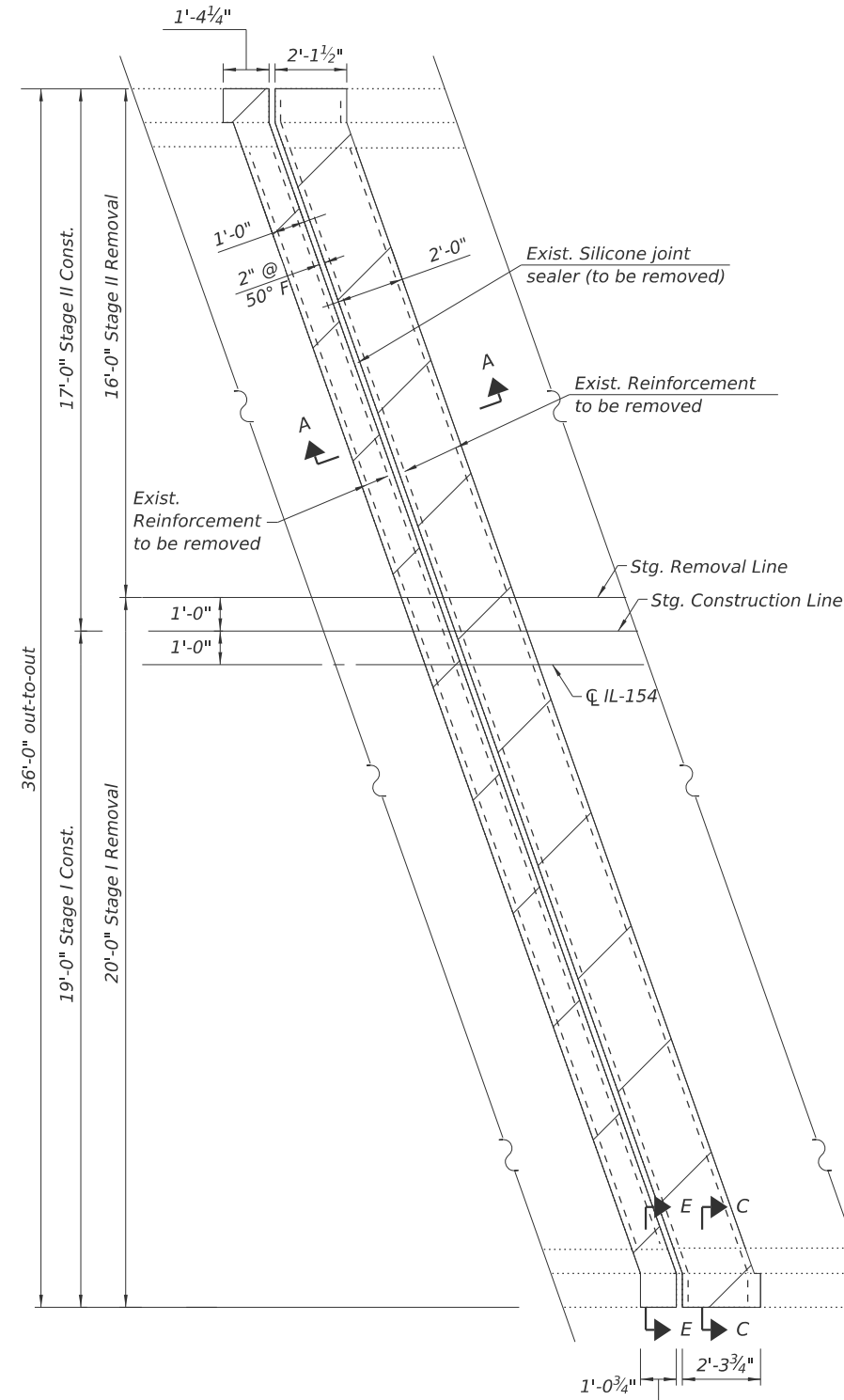
Notes:

1. Areas of deck repair shown are estimated. The Engineer shall show actual locations of deck repairs at the time of construction.
2. Engineer in field shall record any additional deck repairs performed prior to deck scarification in order ot document as-built conditiions for future reference.
3. See sheet 10 of 15 for Deck Drain Replacement Details.
4. See sheets 6 thru 9 of 15 for Expansion Joints Replacement Details.

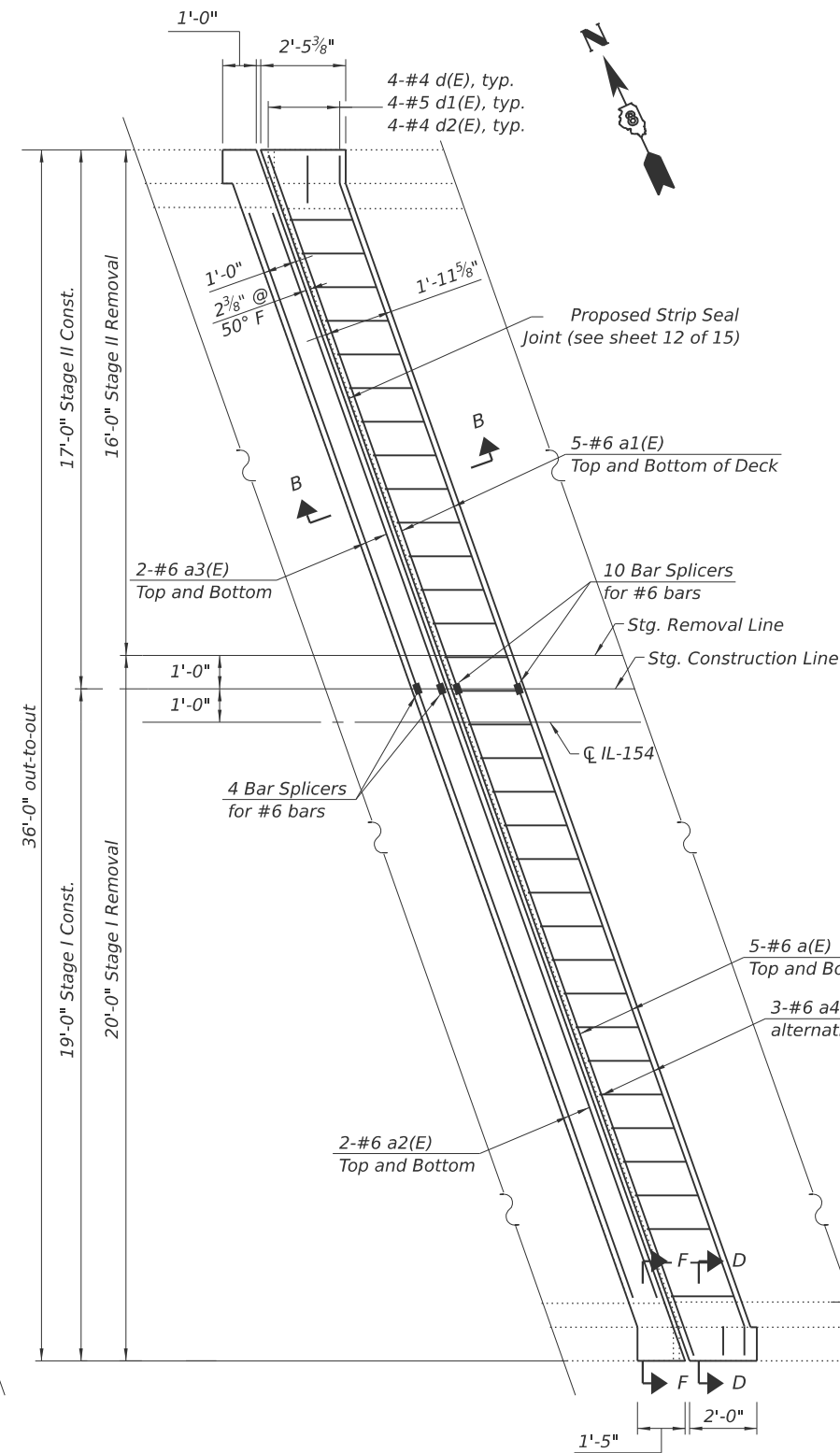
BILL OF MATERIALS

ITEM	UNIT	SUPER	TOTAL
Floor Drains	Each	122	122
Protective Coat	Sq Yd	3,014	3,014
Bridge Deck Scarification, 2 1/4"	Sq Yd	3,002	3,002
Deck Slab Repair (Full Depth, Type I)	Sq Yd	30	30
Bridge Deck Latex Concrete Overlay, 2 1/2"	Sq Yd	3,002	3,002
Diamond Grinding (Bridge Section)	Sq Yd	2,836	2,836
Bridge Deck Grooving (Longitudinal)	Sq Yd	2,388	2,388

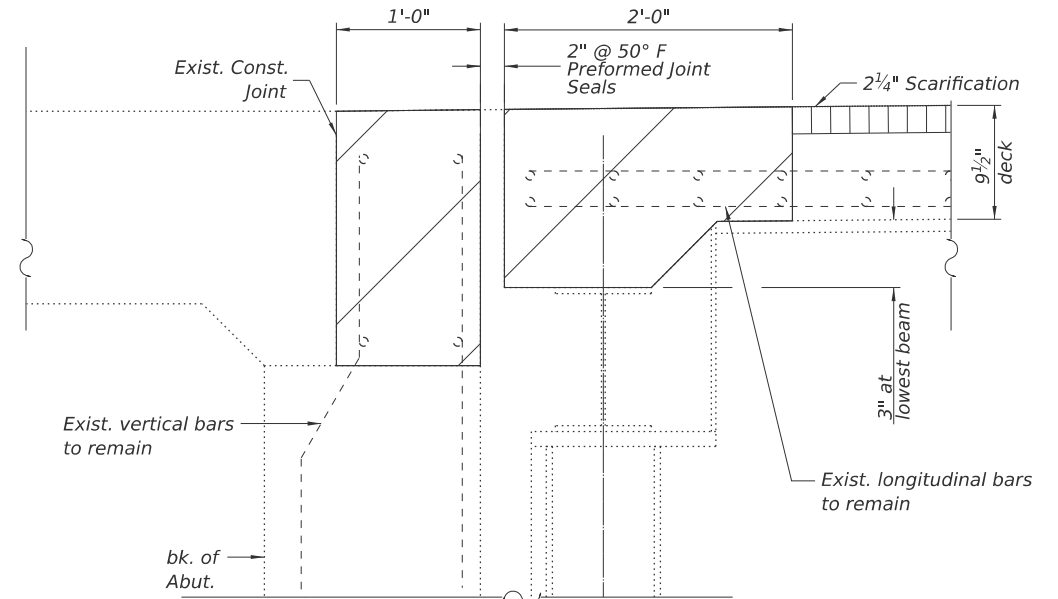
MODEL: 005-Deck Repair Plan
FILE NAME: X:\Projects\Content\123-0645 DOT IWO15 RAP Rehab 325 IL 15\JG040720013-087696-Sheets.dgn
8/6/2026 8:53:36 AM



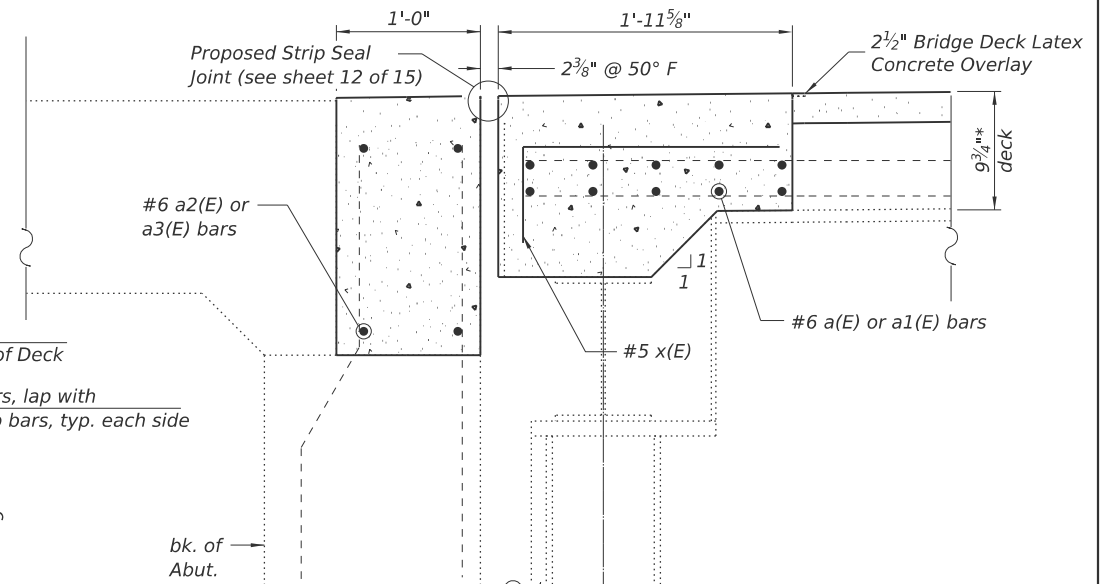
REMOVAL PLAN
West Abutment Shown,
East Abutment similar



REPLACEMENT PLAN
West Abutment Shown,
East Abutment similar



SECTION A-A
Dims. at Rt. $\angle$'s to Abutment



SECTION B-B
Dims. at Rt. $\angle$'s to Abutment
*Prior to Grinding

LEGEND

 Concrete Removal

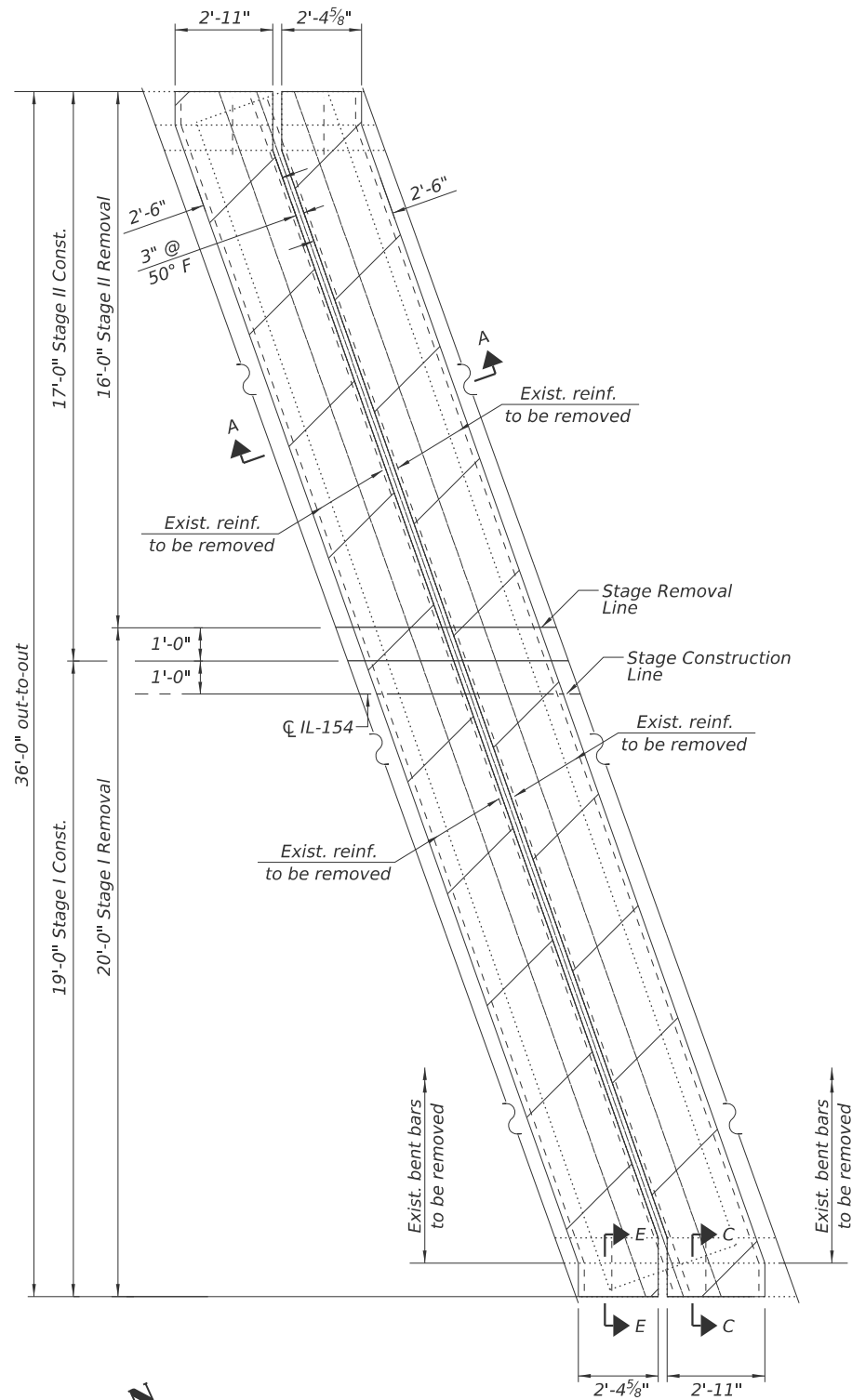
Bridge Deck Scarification, 2¼"

Concrete Superstructure and Bridge Deck Latex Concrete Overlay, 2½"

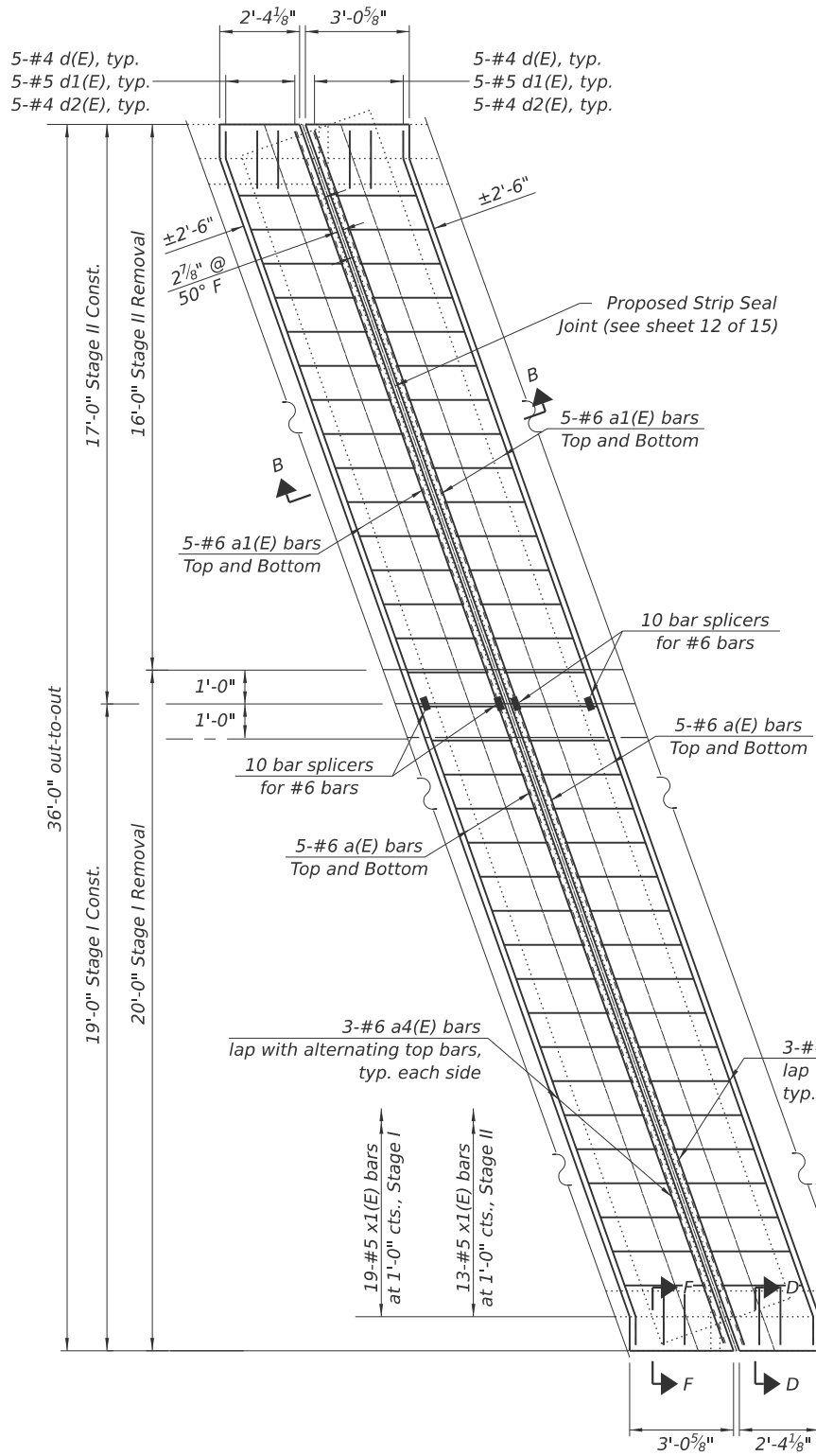
NOTES

See sheet 9 of 15 for sections C-C through F-F,
Bar Diagrams, and Bill of Materials

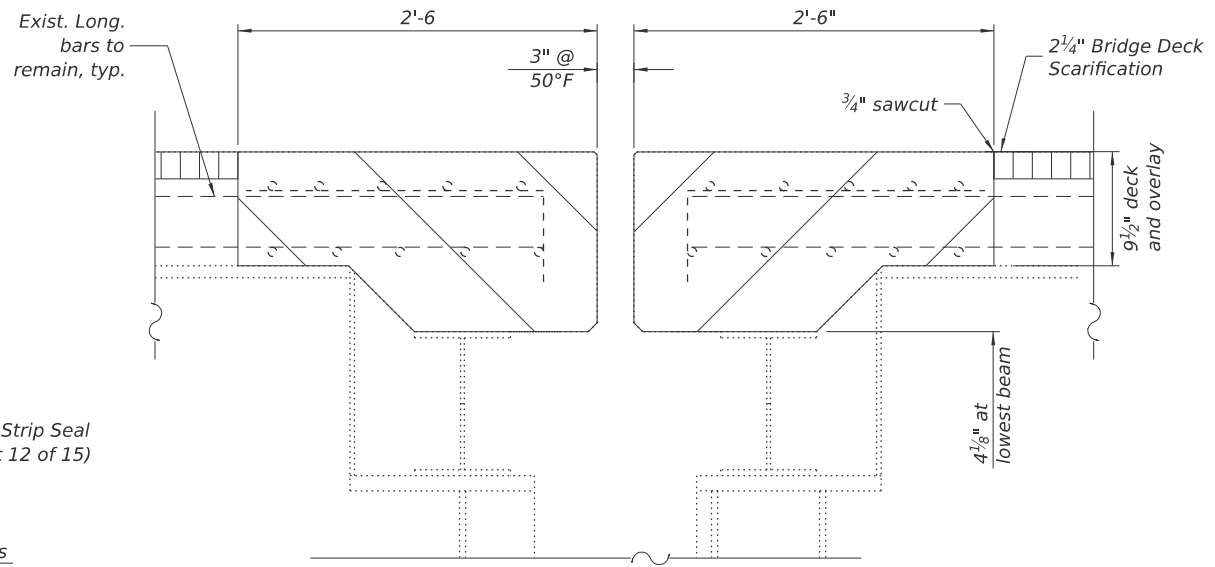
MODEL: 07 Expansion Joint Replacement - PK-4
FILE NAME: X:\0323\Content\25-0845\DOT\1015\15 FAP Route 325 (IL 154)\JG0709013-087696-Sheets.dgn
8/6/2026 8:57:46 AM



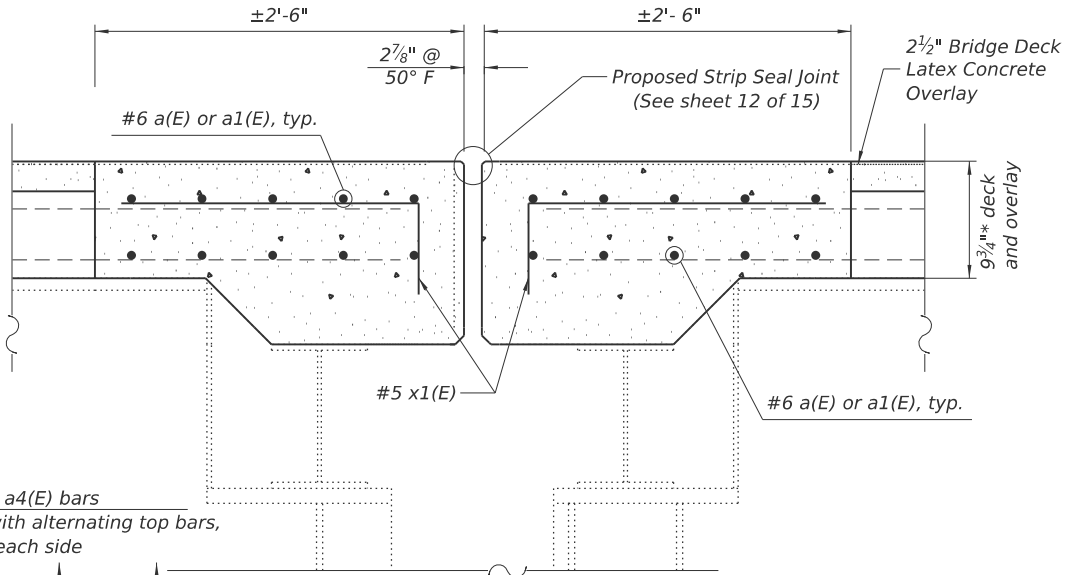
REMOVAL PLAN



REPLACEMENT PLAN



SECTION A-A
Dims. at Rt. L's to Abutment



SECTION B-B
Dims. at Rt. L's to Abutment
*Prior to Grinding

- LEGEND**
- Concrete Removal
 - Bridge Deck Scarification, 2 1/4"
 - Concrete Superstructure and Bridge Deck Latex Concrete Overlay, 2 1/2"

NOTES
See sheet 9 of 15 for sections C-C through F-F, Bar Diagrams, and Bill of Materials

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 4 EXPANSION JOINT REPLACEMENT
STRUCTURE NO. 079-0013

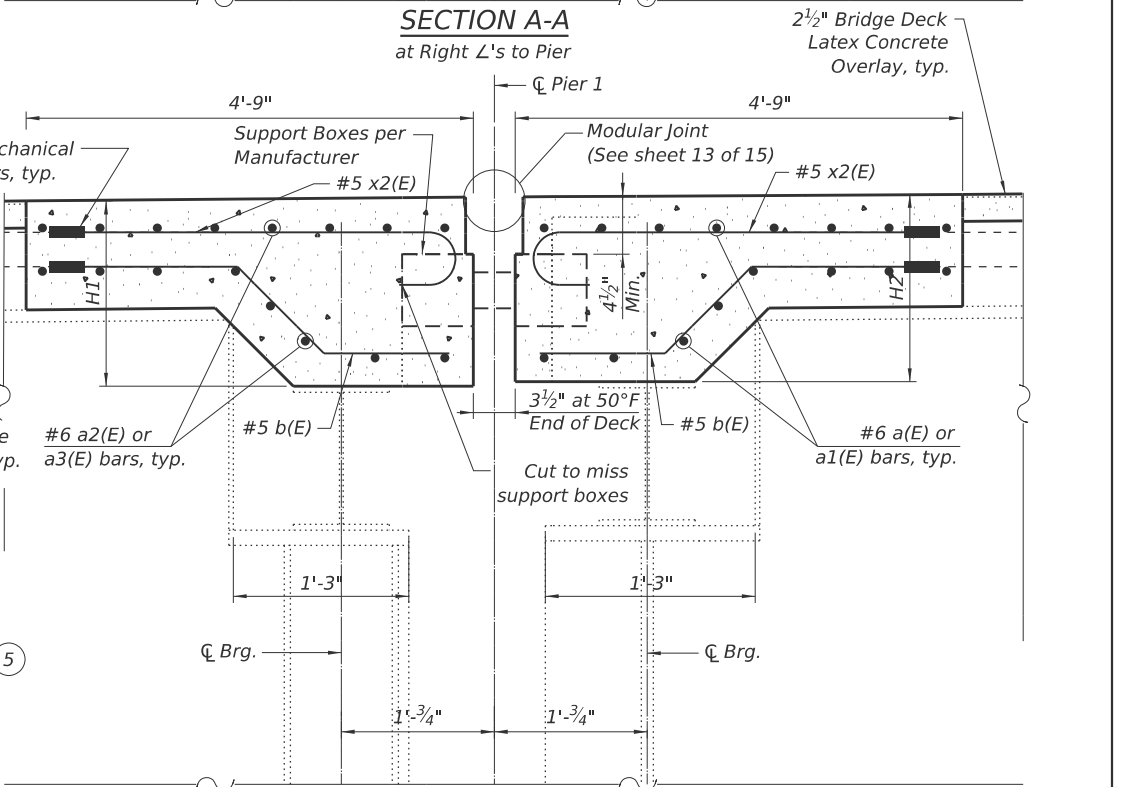
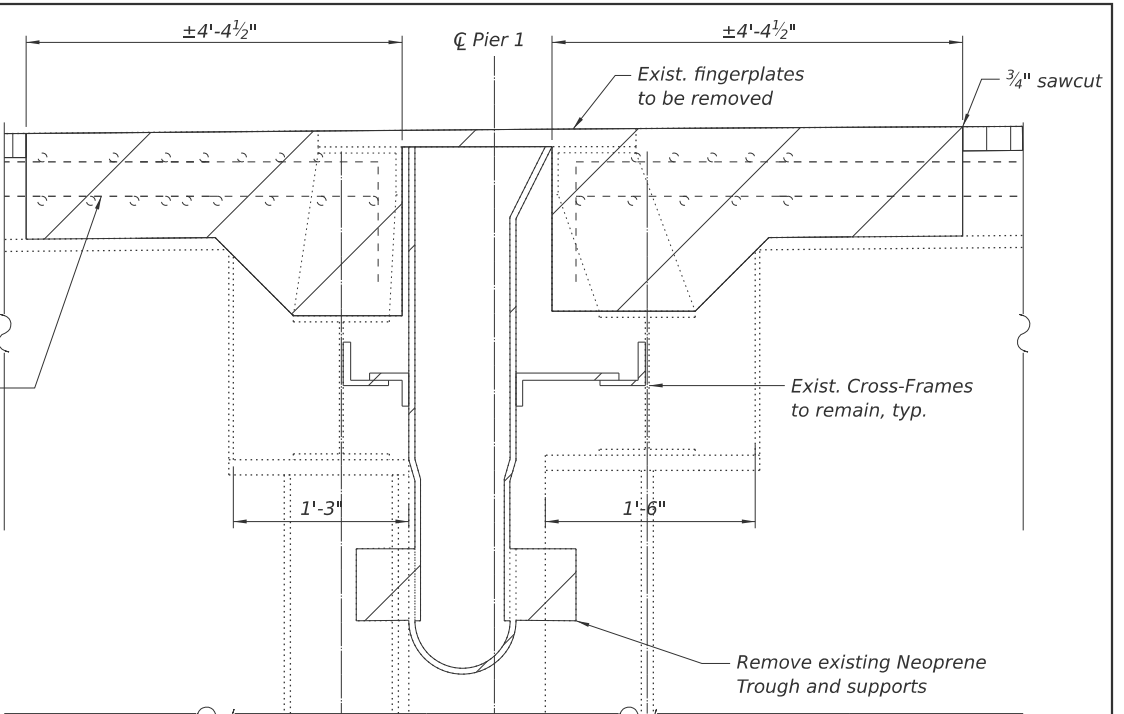
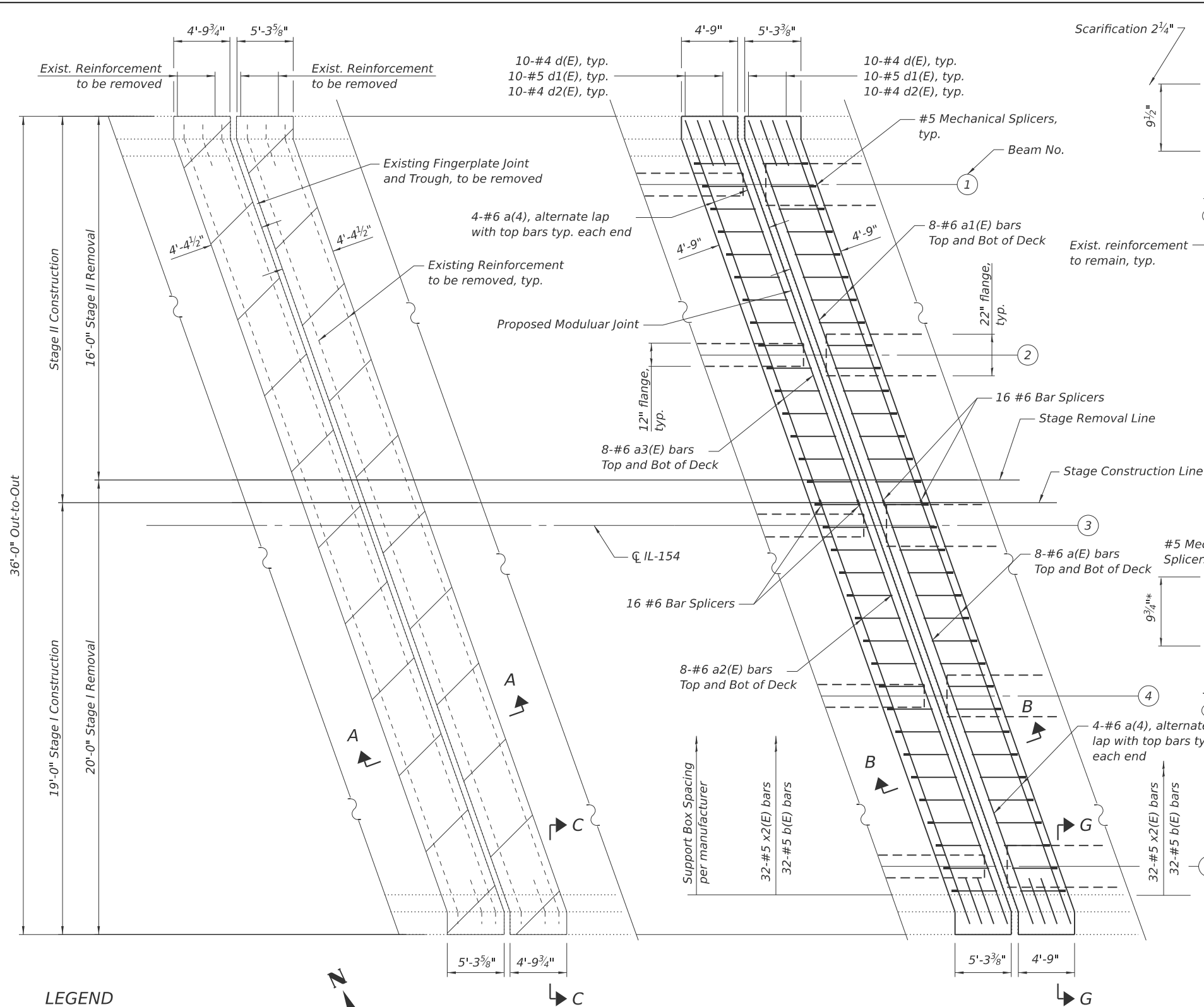
SHEET 7 OF 15 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	18
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				

HR
Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959

USER NAME = aenln	DESIGNED - JJC	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - CJC	REVISED -
PLOT DATE = 8/6/2026	DRAWN - AE	REVISED -
	CHECKED - CJC	REVISED -

MODEL: 008 Modular Joint Replacement - Pier 1
FILE NAME: X:\Projects\Contract\220-0845 DOT IVO15 PAP Route 325 IL 15A\JG070013-087696-Sheets.dgn
8/6/2026 8:58:17 AM



LEGEND

- Concrete Removal
- Bridge Deck Scarification 2"
- Concrete Superstructure and Bridge Deck Latex Concrete Overlay, 2 1/2"

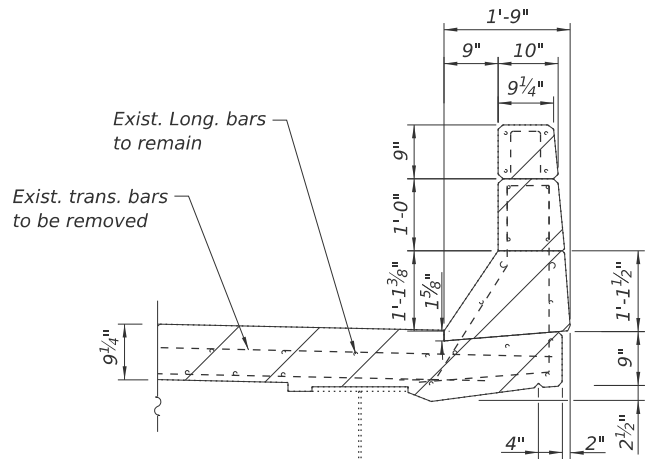
REMOVAL PLAN

REPLACEMENT PLAN

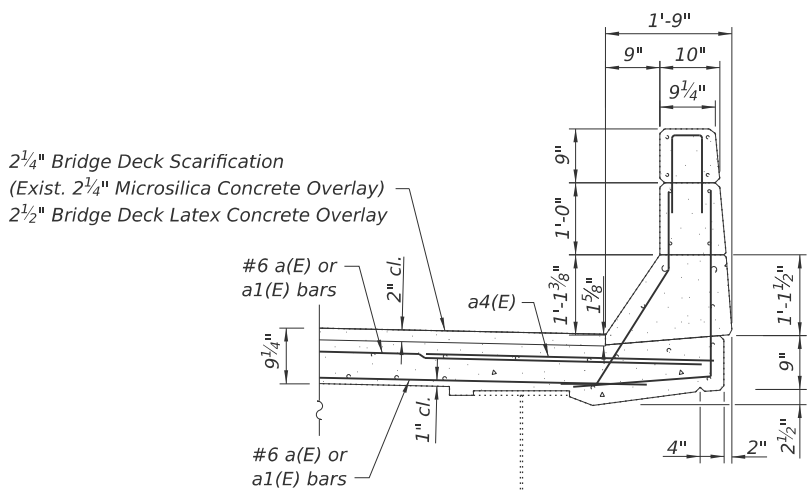
NOTES

See sheet 9 of 15 for sections C-C through F-F, Bar Diagrams, and Bill of Materials.
Cost for removal of existing neoprene trough and supports shall be included in "Concrete Removal".
See sheet 14 of 15 for Sliding Plate Details at parapet

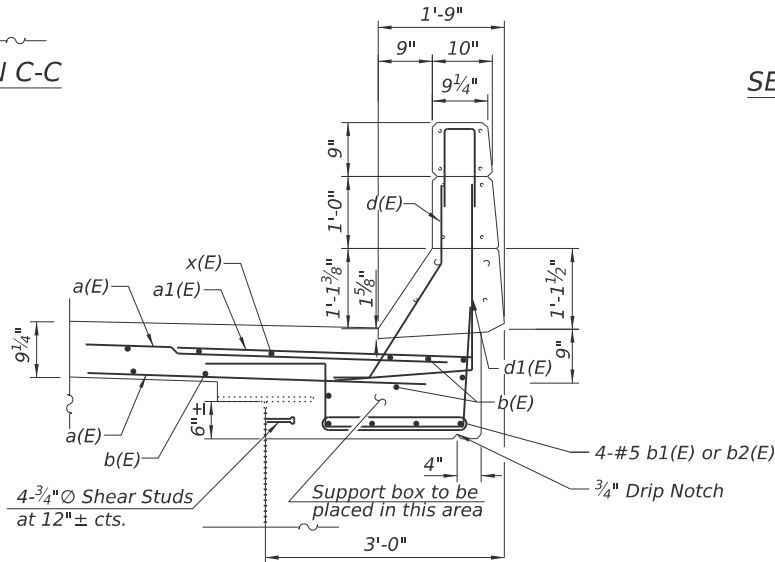
	H1	H2
Beam 1	1'-2 1/4"	1'-1 5/8"
Beam 2	1'-3 3/4"	1'-3 1/4"
Beam 3	1'-5 1/4"	1'-4 5/8"
Beam 4	1'-3 3/4"	1'-3 1/4"
Beam 5	1'-2 1/4"	1'-1 5/8"



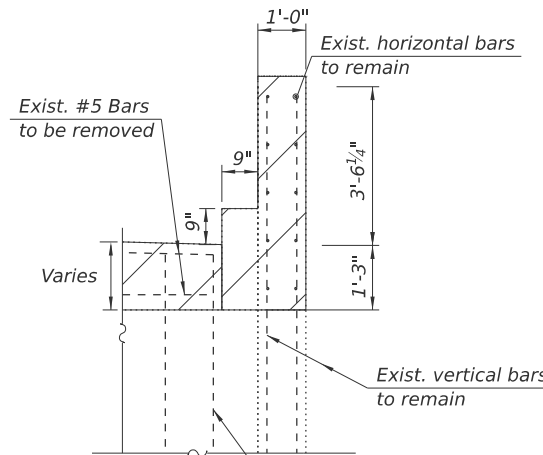
SECTION C-C



SECTION D-D



SECTION G-G



SECTION E-E
LEGEND

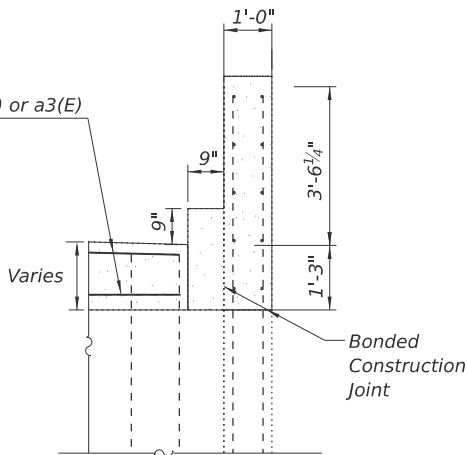


Concrete Removal

NOTES

1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The Contractor shall use extreme care during concrete removal so as to not damage the wide flange beams.
4. Cut reinforcing bars in field to fit as required.

SECTION F-F



WEST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	10	#6	19'-9"	—
a1(E)	10	#6	17'-8"	—
a2(E)	4	#6	18'-0"	—
a3(E)	4	#6	15'-10"	—
a4(E)	6	#6	4'-0"	—
d(E)	8	#4	4'-6"	┘
d1(E)	8	#5	3'-6"	┘
d2(E)	8	#4	2'-7"	┘
x(E)	32	#5	2'-4"	┘
Reinforcement Bars, Epoxy Coated			Lbs.	950
Concrete Removal			Cu. Yds.	5.2
Concrete Superstructure			Cu. Yds.	5.3
Protective Coat			Sq. Yds.	16
Bar Splicers			Each	14

PIER 1
BILL OF MATERIAL

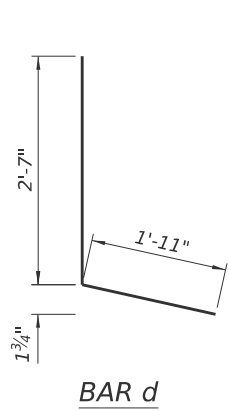
Bar	No.	Size	Length	Shape
a(E)	32	#6	19'-9"	—
a1(E)	32	#6	17'-8"	—
a4(E)	16	#6	4'-0"	—
d(E)	10	#4	4'-6"	┘
d1(E)	10	#5	3'-6"	┘
d2(E)	10	#4	2'-7"	┘
x2(E)	64	#5	5'-5"	┘
b(E)	64	#5	4'-8"	┘
b1(E)	8	#5	4'-11"	┘
b2(E)	8	#5	4'-3"	┘
z(E)	10	#5	6'-2"	┘
Reinforcement Bars, Epoxy Coated			Lbs.	2,795
Concrete Removal			Cu. Yds.	13.3
Concrete Superstructure			Cu. Yds.	13.4
Protective Coat			Sq. Yds.	36
Bar Splicers			Each	32
Mechanical Splicers			Each	128
Shear Studs			Each	

PIER 4
BILL OF MATERIAL

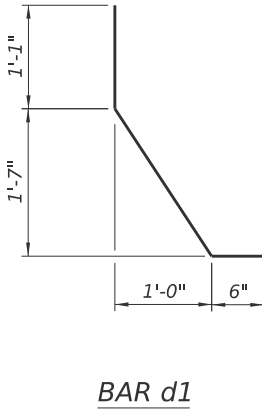
Bar	No.	Size	Length	Shape
a(E)	20	#6	19'-9"	—
a1(E)	20	#6	17'-8"	—
a4(E)	12	#6	4'-0"	—
d(E)	8	#4	4'-6"	┘
d1(E)	8	#5	3'-6"	┘
d2(E)	8	#4	2'-7"	┘
x1(E)	64	#5	2'-8"	┘
Reinforcement Bars, Epoxy Coated			Lbs.	1445
Concrete Removal			Cu. Yds.	8.3
Concrete Superstructure			Cu. Yds.	8.6
Protective Coat			Sq. Yds.	26
Bar Splicers			Each	20

EAST ABUTMENT
BILL OF MATERIAL

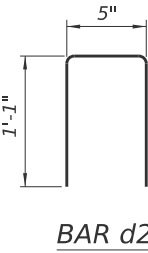
Bar	No.	Size	Length	Shape
a(E)	10	#6	19'-9"	—
a1(E)	10	#6	17'-8"	—
a2(E)	4	#6	18'-0"	—
a3(E)	4	#6	15'-10"	—
a4(E)	6	#6	7'-4"	—
d(E)	8	#4	4'-6"	┘
d1(E)	8	#5	3'-6"	┘
d2(E)	8	#4	2'-7"	┘
x(E)	32	#5	2'-4"	┘
Reinforcement Bars, Epoxy Coated			Lbs.	950
Concrete Removal			Cu. Yds.	5.2
Concrete Superstructure			Cu. Yds.	5.3
Protective Coat			Sq. Yds.	16
Bar Splicers			Each	14



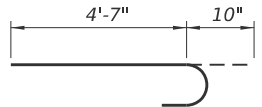
BAR d



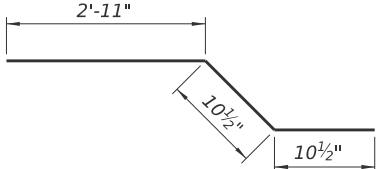
BAR d1



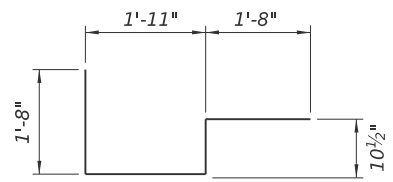
BAR d2



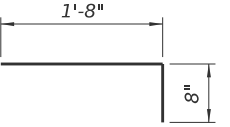
BAR x2



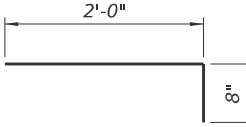
BAR b



BAR z

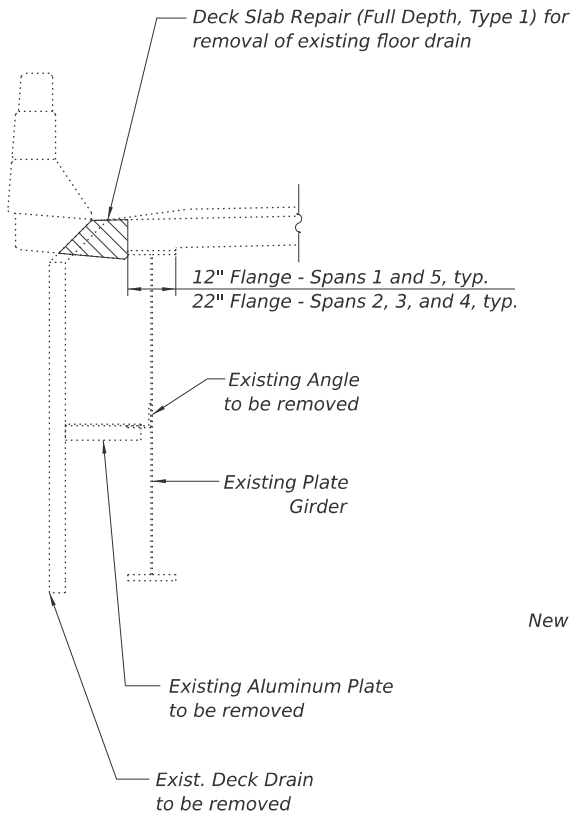


BAR x

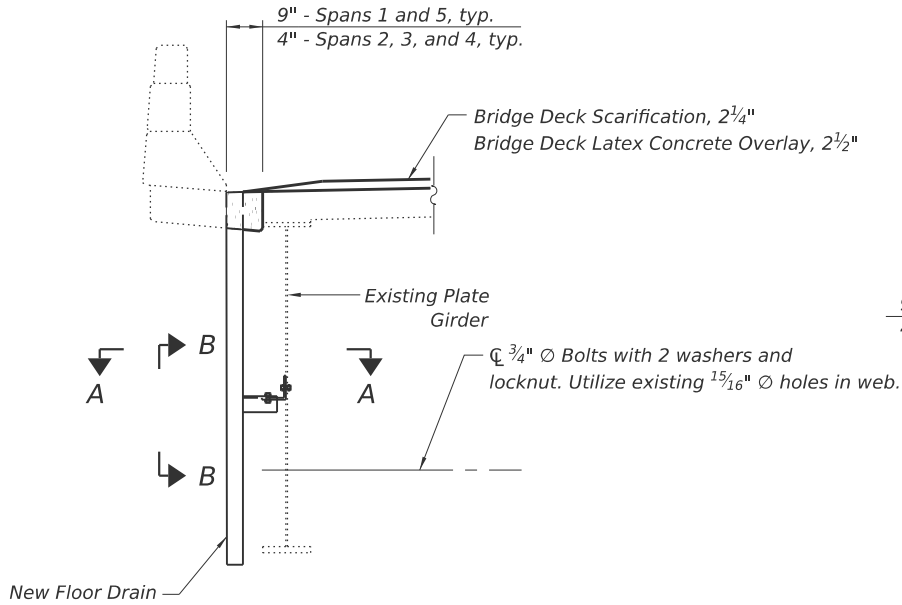


BAR x1

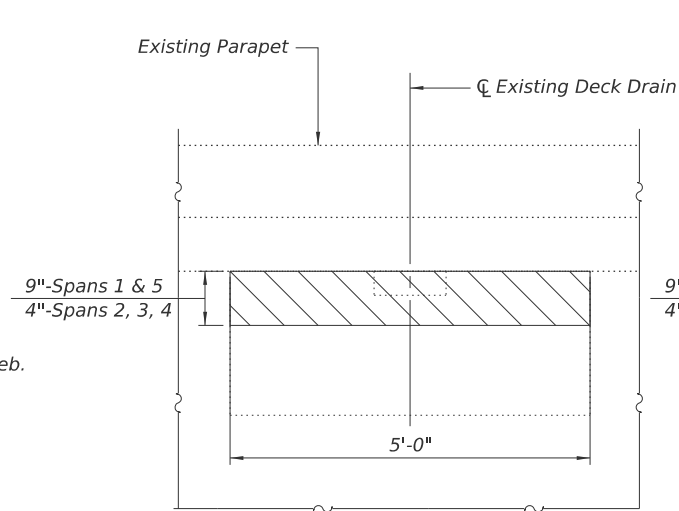
MODEL: 008-Joint Replacement Details
FILE NAME: X:\03233\Content\226\0645 BDOT W015 FAP Rebars 325 (IL 154)\JDM0729013-087696-Sheets.dgn
8/6/2026 9:54:31 AM



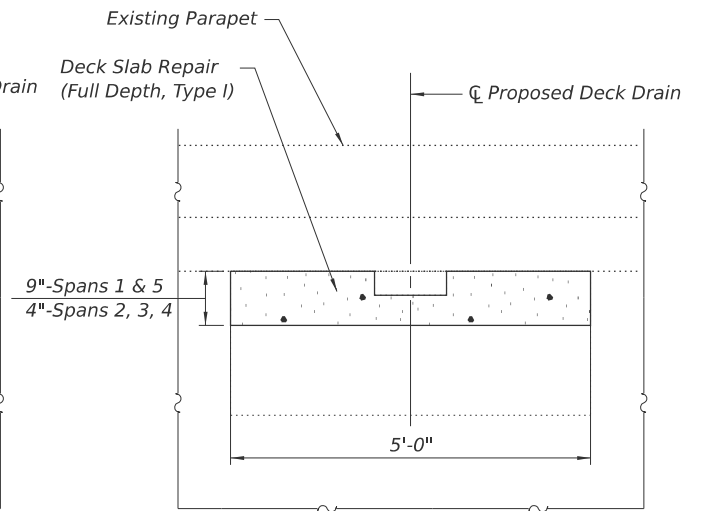
FLOOR DRAIN REMOVAL



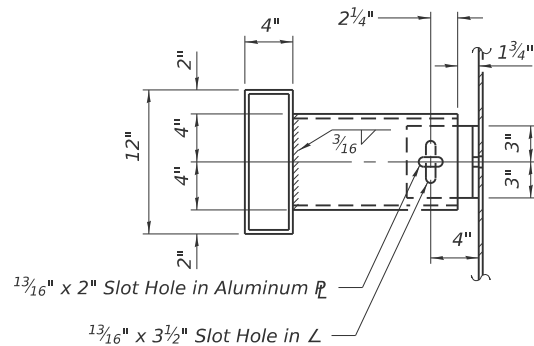
FLOOR DRAIN REPLACEMENT



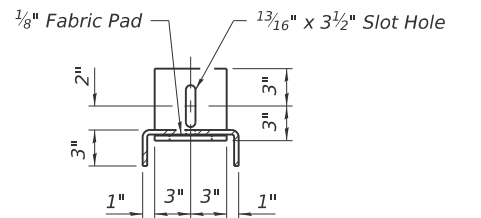
EXISTING FLOOR DRAIN
REMOVAL PLAN



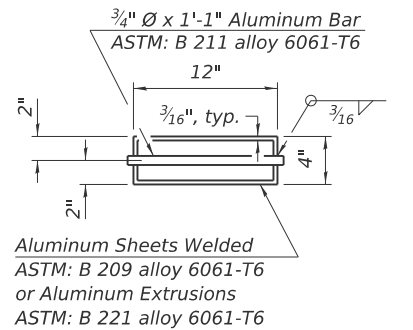
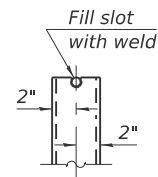
PROPOSED FLOOR DRAIN
REPLACEMENT AND DECK SLAB REPAIR



SECTION A-A



SECTION B-B



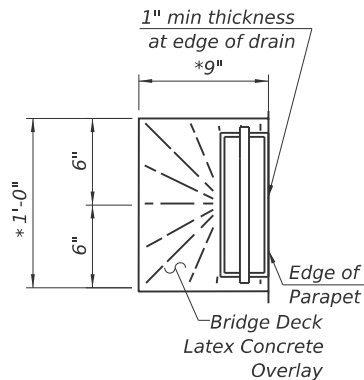
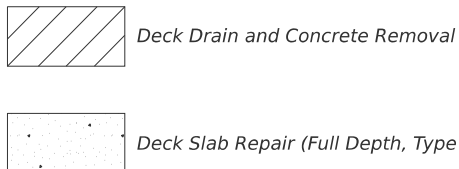
TOP PLAN

Notes:

The exterior surfaces of the floor drains shall be painted with the finish coat as specified in Section 506 of the Standard Specification. The exterior surfaces of the drain shall be cleaned and given a washcoat pretreatment in accordance with Society of Protective Coatings Spec. SSPC-SP1 prior to painting.

Cost of new concrete around the removal area shall be included in Deck Slab Repair (Full Depth, Type I).

LEGEND



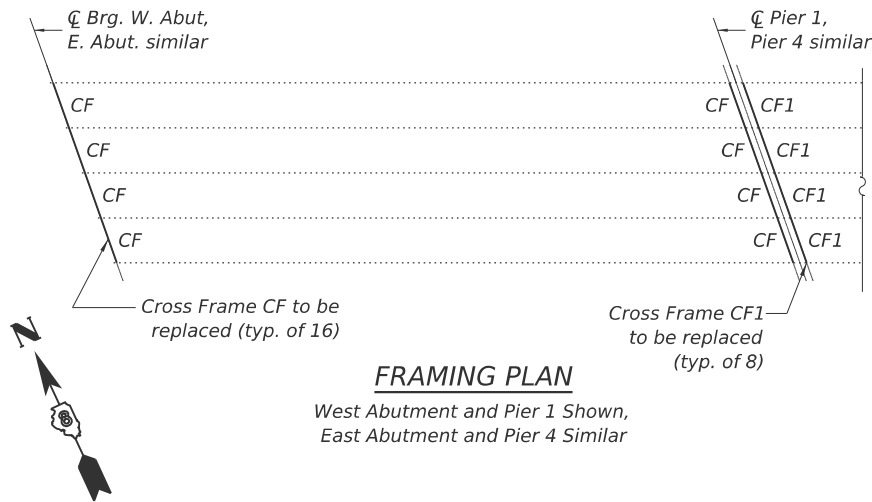
DRAIN DETAIL
* Slope to Drain

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

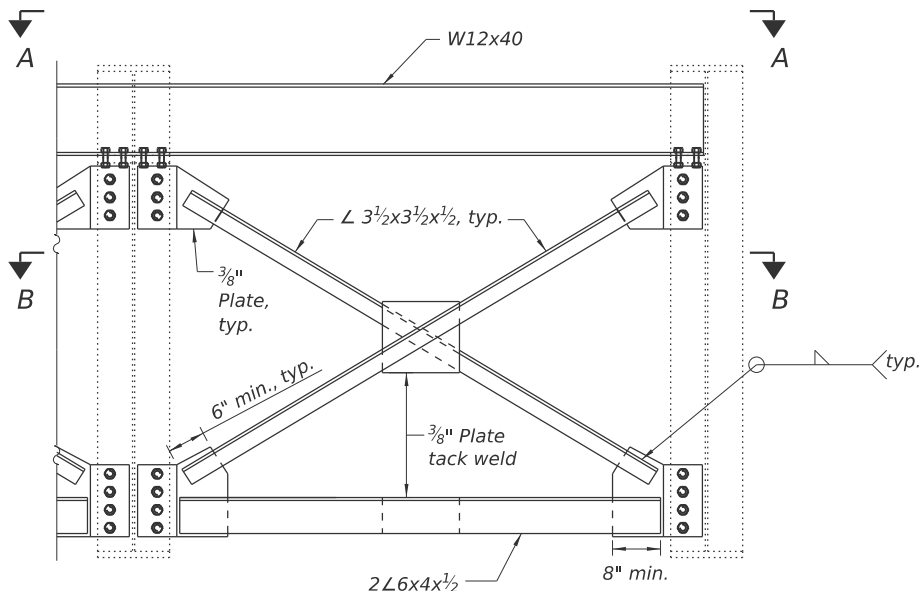
DRAIN REPLACEMENT DETAILS
STRUCTURE NO. 079-0013

SHEET 10 OF 15 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	21
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				



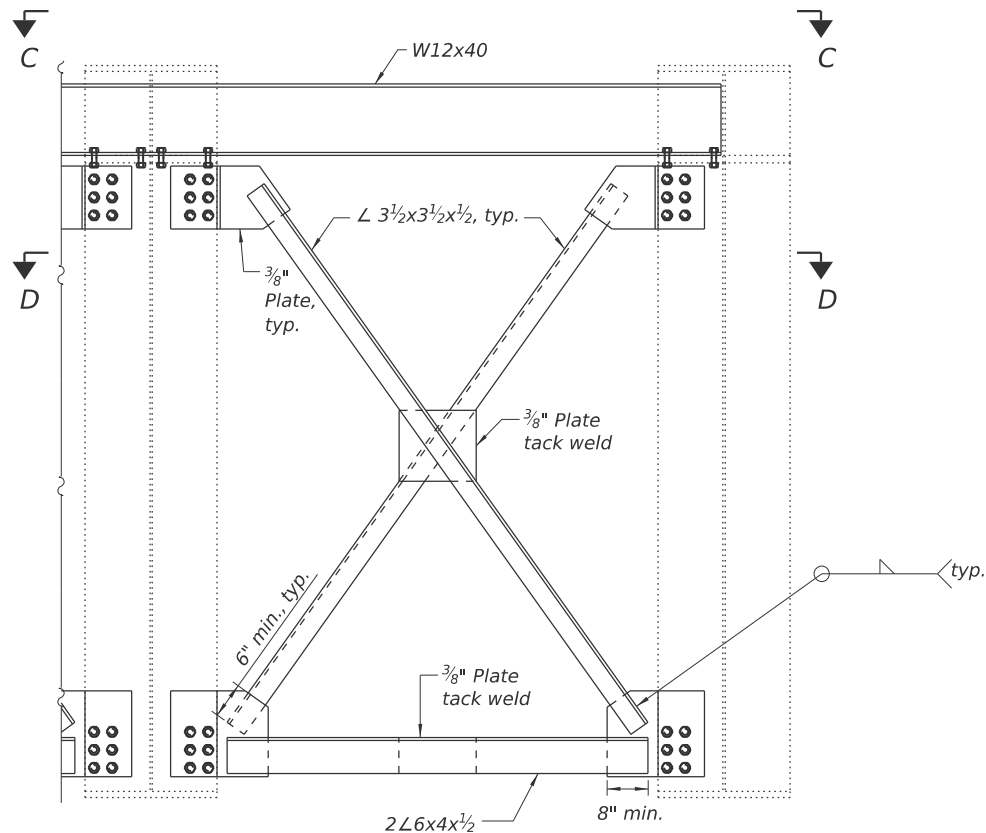
- Notes:
1. Detail $1\frac{5}{16}$ " $\varnothing$ holes for all $\frac{3}{4}$ " $\varnothing$ bolts into existing plates and stiffeners. Two hardened washers required for each set of oversized holes.
 2. Use holes in existing lateral bracing as a template for drilling holes on new connection plates.
 3. Cleaning and Painting of Structural Steel per the special revisions to occur prior to reinstallation of galvanized cross-frames.
 4. All new structural steel shall be hot dip galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel".
 5. Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts shall be $\frac{3}{4}$ " diameter, unless otherwise specified.



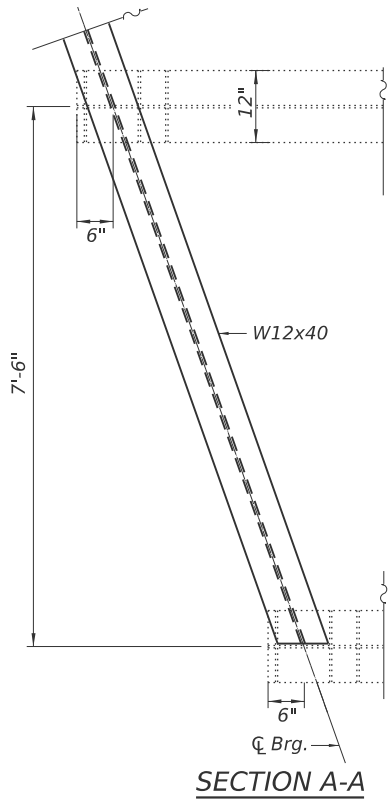
CROSS FRAME CF, TYP.

BILL OF MATERIAL

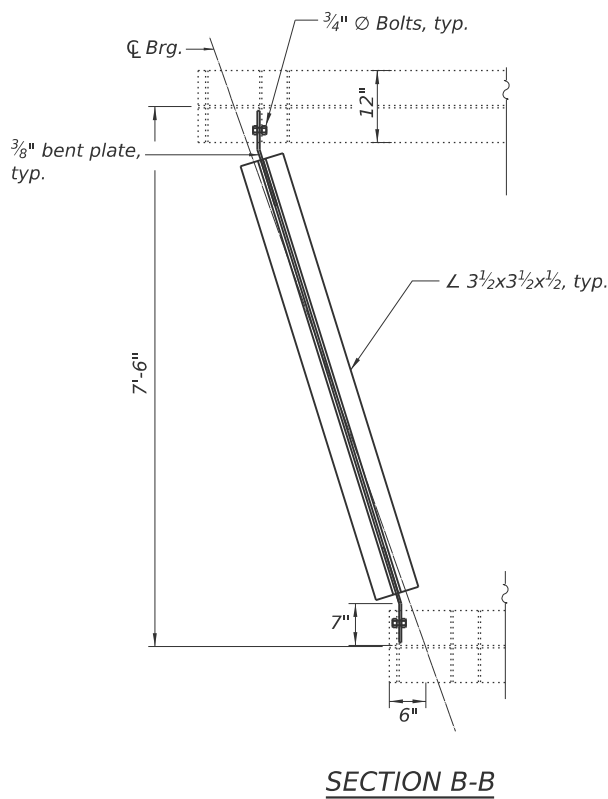
Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	21,171
Cleaning and Painting Steel Bridge No. 1	L Sum	1



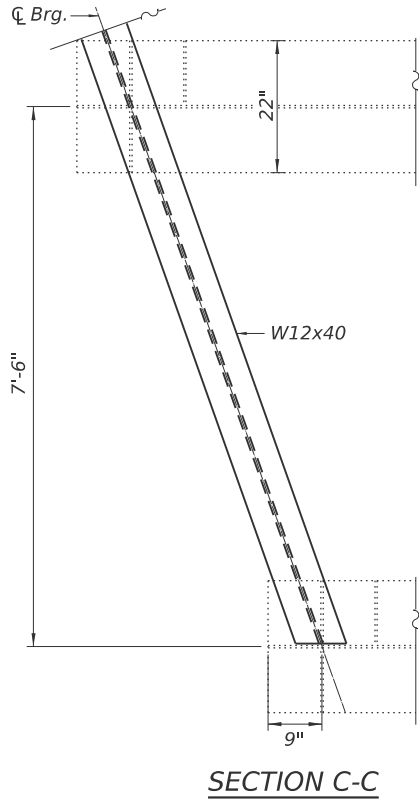
CROSS FRAME CF1, TYP.



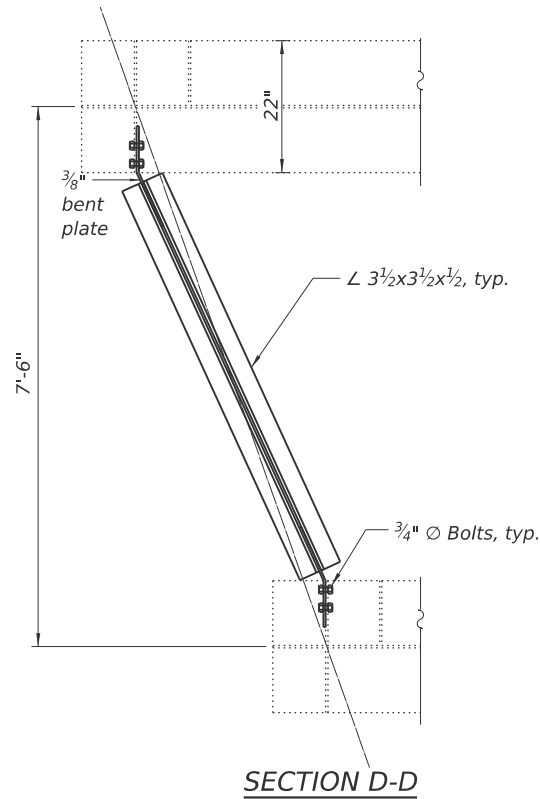
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

MODEL: 014 Cross Frame Replacement
FILE NAME: X:\0333\Content\20-0645 DOT W015 PAP Route 325 (IL 154)\DGN\0790013-087696-Steel.dgn



Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959

USER NAME = aenln
PLOT SCALE = \$SCALES\$
PLOT DATE = 8/6/2026

DESIGNED - JJC
CHECKED - CJC
DRAWN - AE
CHECKED - CJC

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

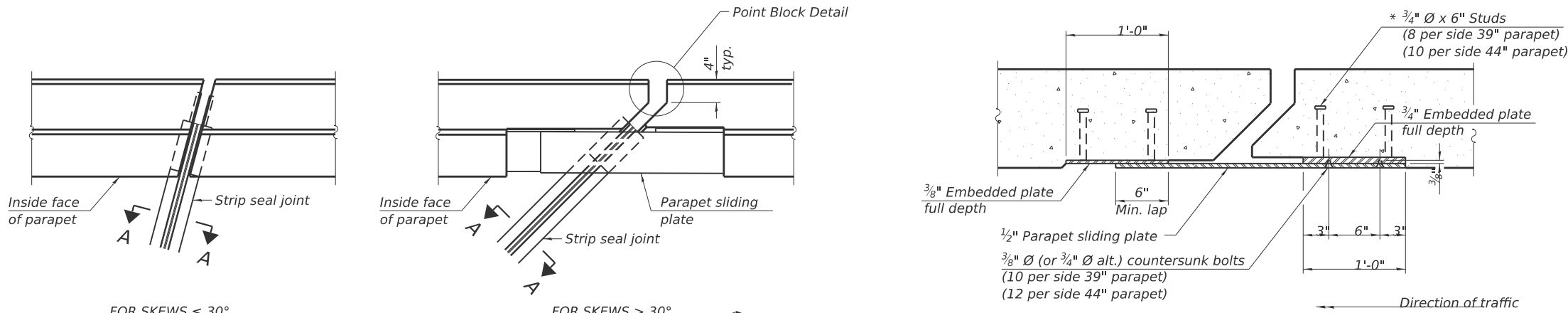
CROSS FRAME REPLACEMENT
STRUCTURE NO. 079-0013

SHEET 11 OF 15 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	22
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				

8/6/2026

9:02:00 AM



Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". 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 $4\frac{1}{2}$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

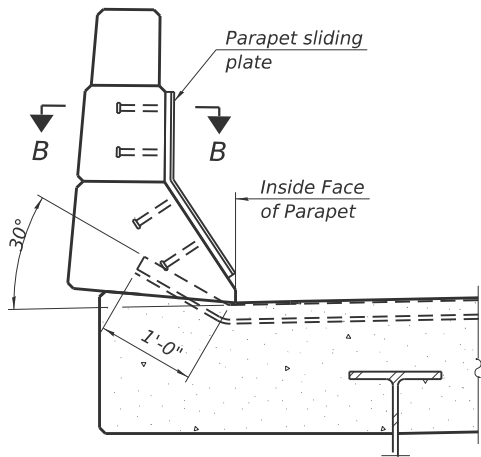
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

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

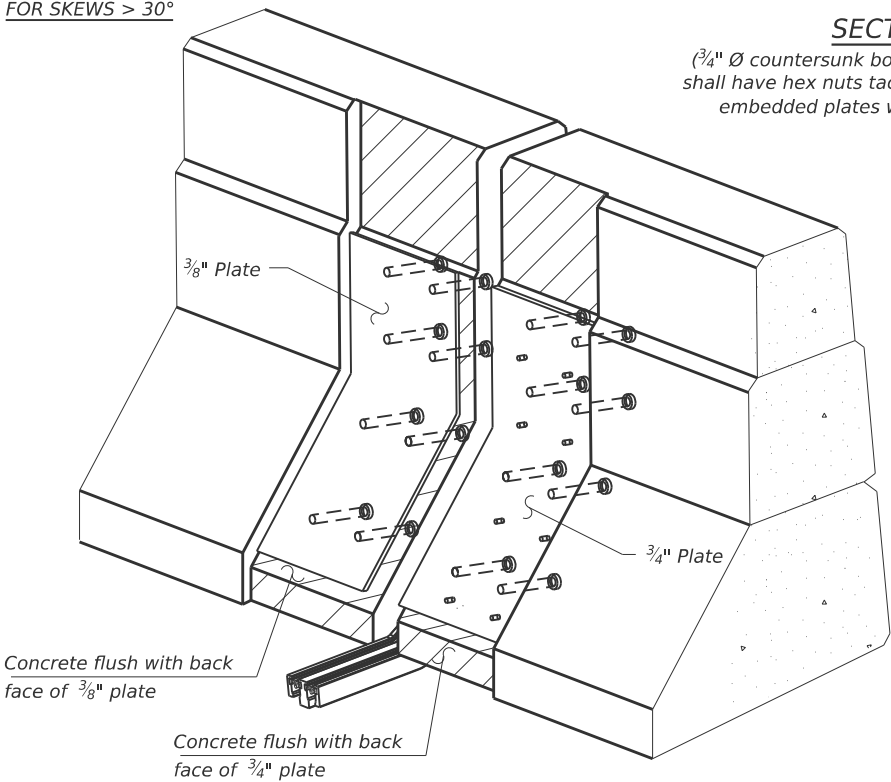
Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

39" constant slope barrier shown, 44" constant slope barrier similar as noted.

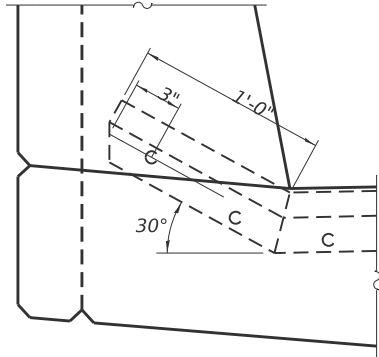
The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to 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.



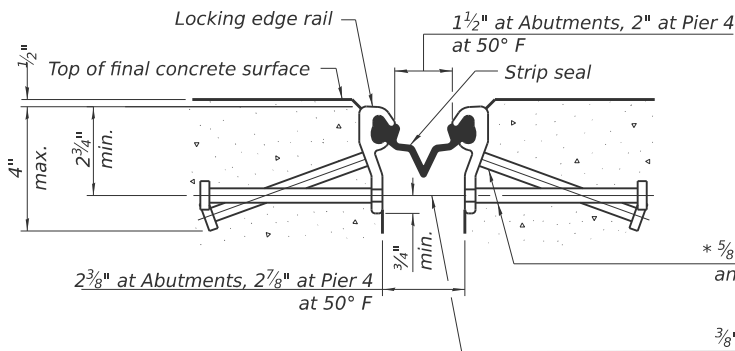
SECTION AT PARAPET



TRIMETRIC VIEW
(Showing embedded plates only)



DETAIL A
(Kick-up at parapet locations shown. See sheet of for kick-up at curb locations.)



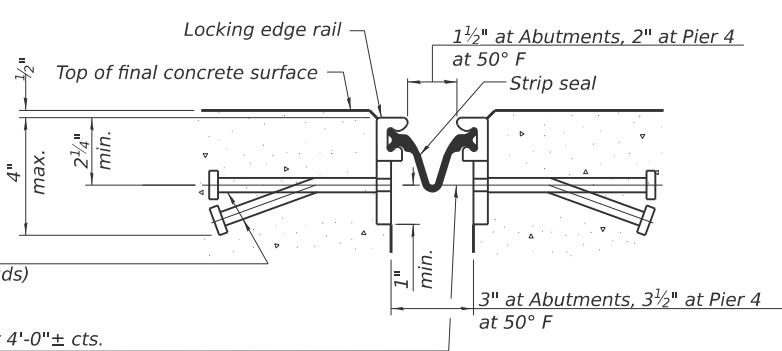
SHOWING ROLLED RAIL JOINT

* $\frac{5}{8}$ " $\varnothing$ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

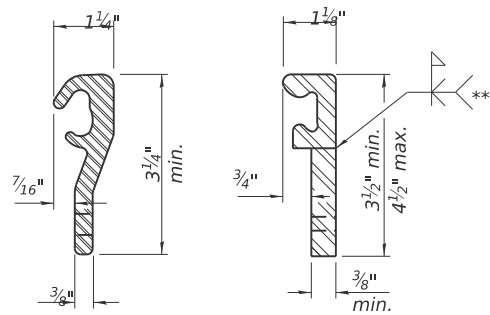
$\frac{3}{8}$ " $\varnothing$ threaded rods in $\frac{7}{16}$ " $\varnothing$ holes at 4'-0" $\pm$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

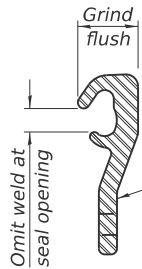


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

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



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	115

MODEL: 012-performed joint
FILE NAME: 20250323Content125-0845 DOT TWO15 PAP Route 325 IL 154\JG\0709013-D87696-Sheets.dgn



Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959

USER NAME = aenln
DESIGNED - JJC
CHECKED - CJC
PLOT SCALE = \$SCALES\$
DRAWN - AE
PLOT DATE = 8/6/2026
CHECKED - CJC
REVISED -

DESIGNED - JJC
CHECKED - CJC
DRAWN - AE
PLOT DATE = 8/6/2026
CHECKED - CJC
REVISED -

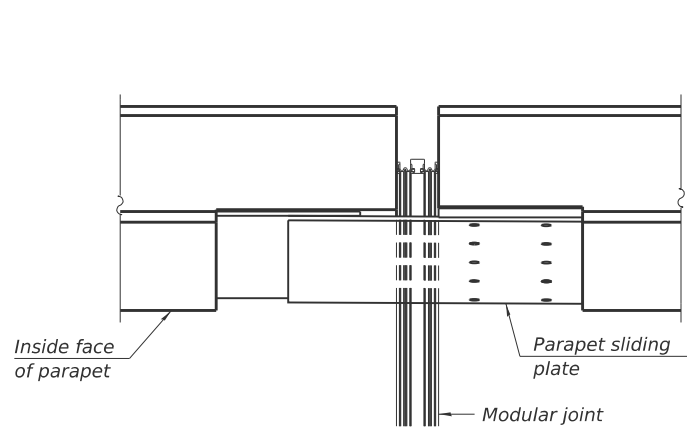
DESIGNED - JJC
CHECKED - CJC
DRAWN - AE
PLOT DATE = 8/6/2026
CHECKED - CJC
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

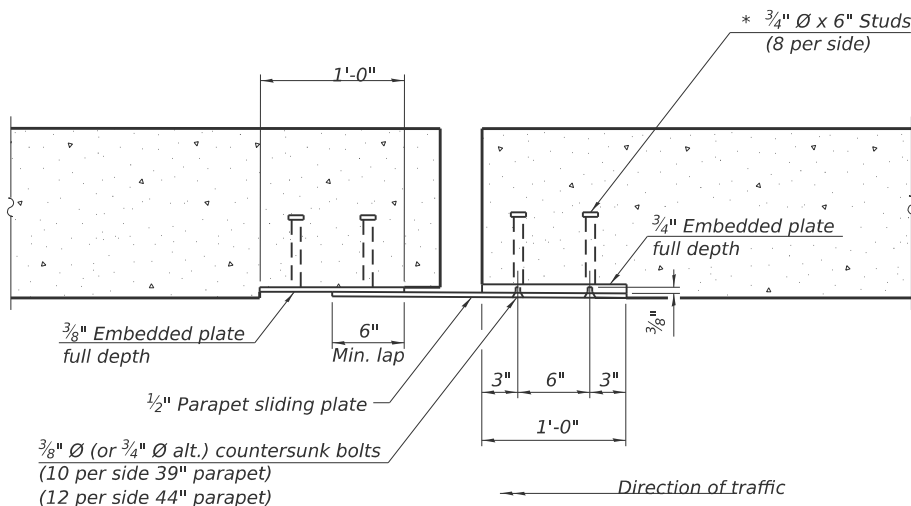
PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 079-0013

SHEET 12 OF 15 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	23
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				



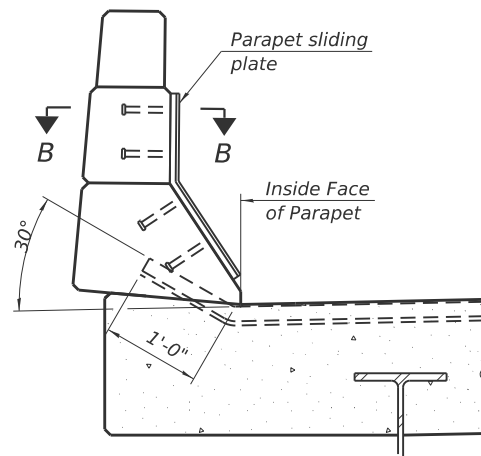
PLAN AT PARAPET



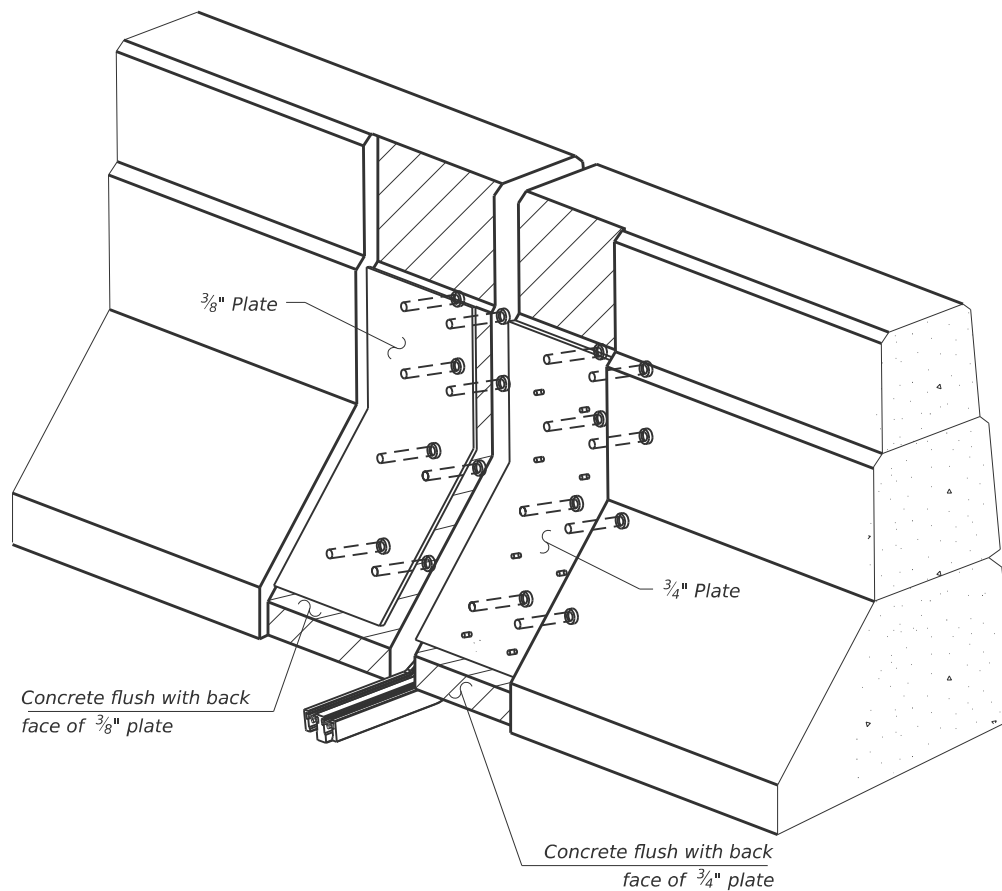
SECTION B-B

(3/4" Ø countersunk bolts extending into concrete shall have hex nuts tack welded to the back of the embedded plates with end caps provided.)

Notes:
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Cost of parapet sliding plates, embedded plates, and anchorage studs, is included with Modular Expansion Joint _".
Actual dimension of joint opening may vary based on modular joint manufacturer's design.



SECTION AT PARAPET



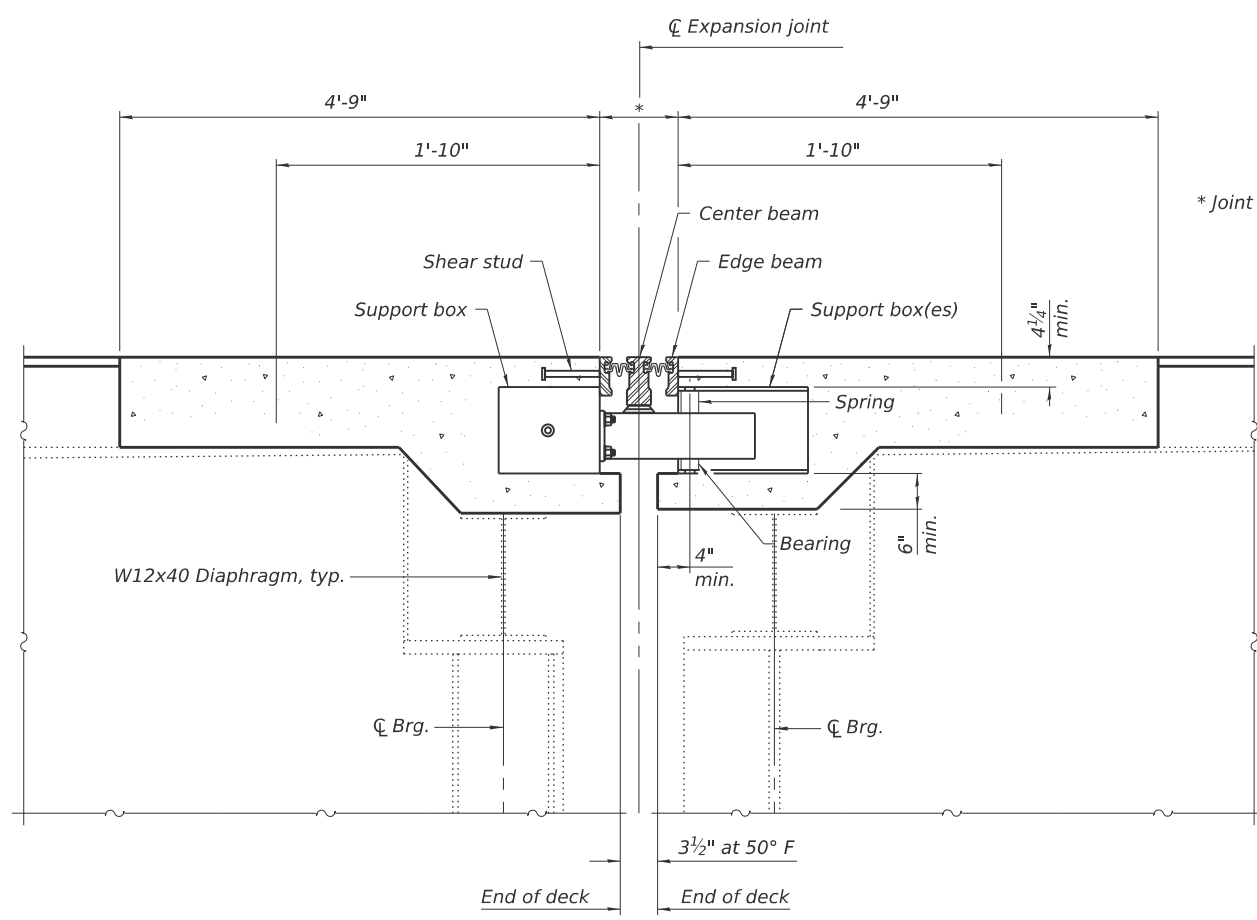
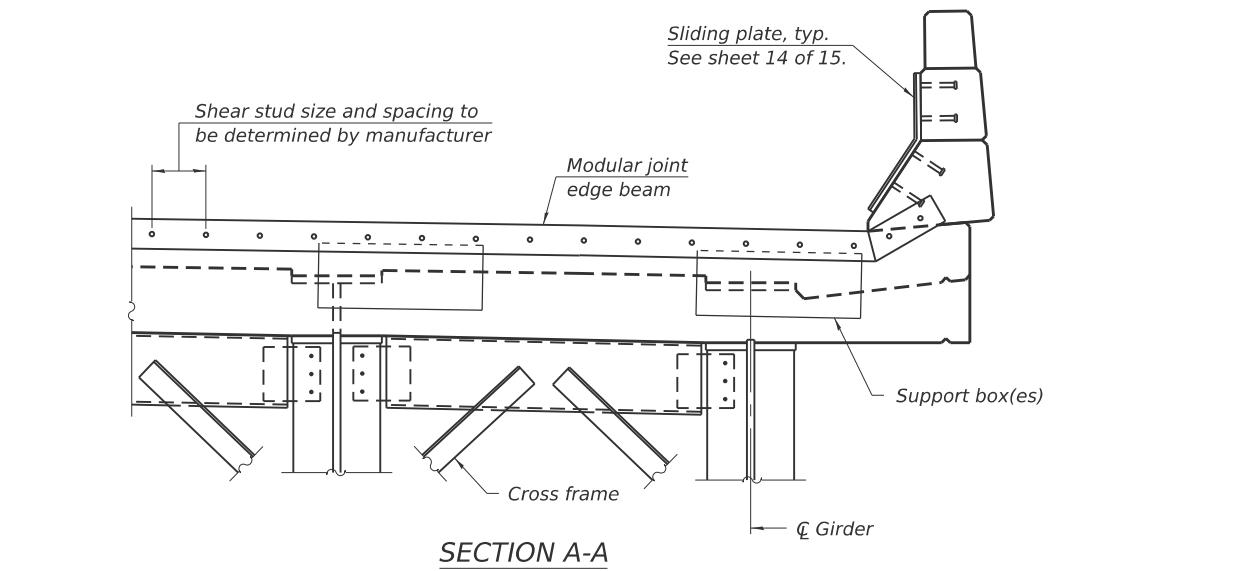
TRIMETRIC VIEW

(Showing embedded plates only)

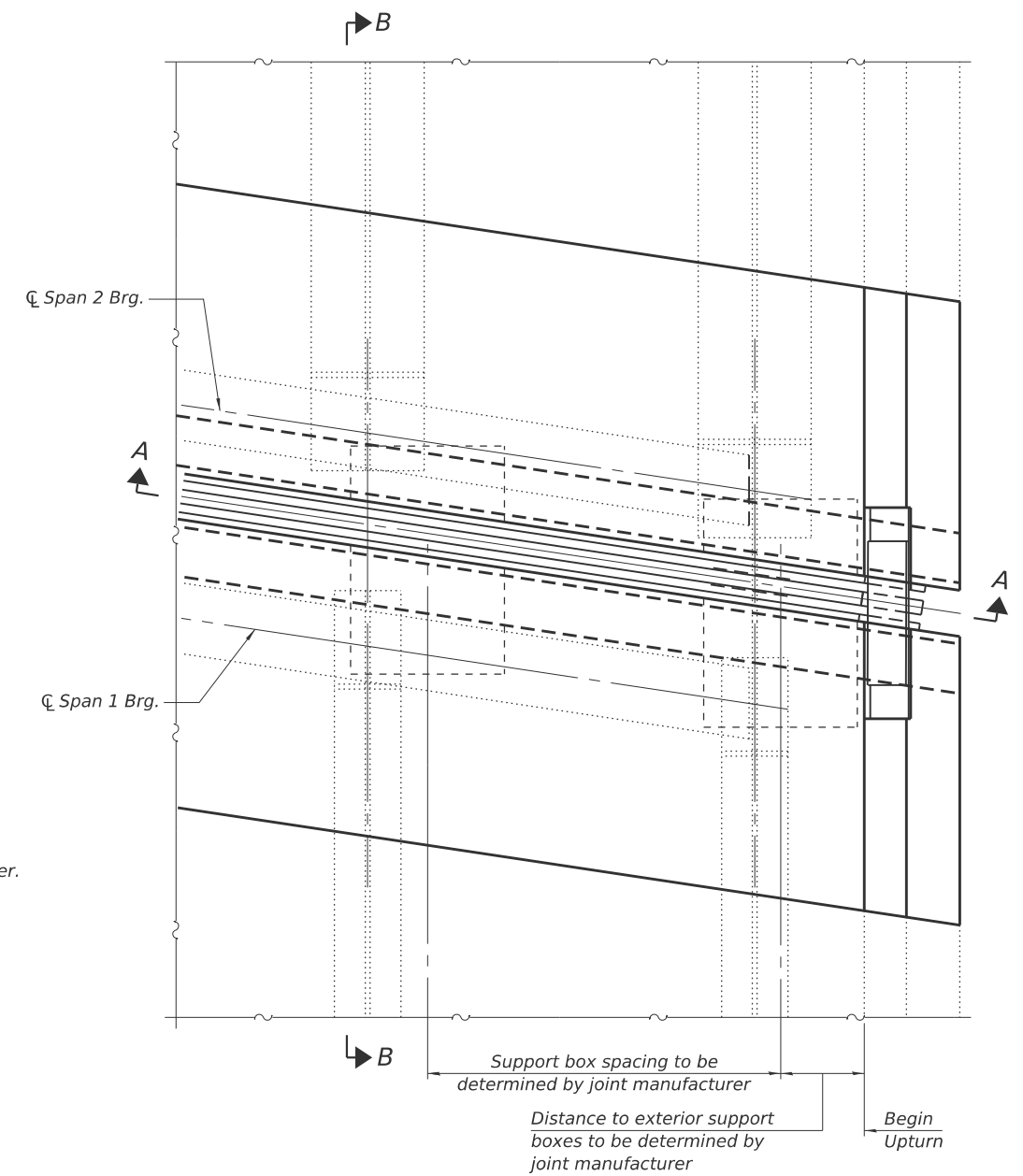
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Standard Specifications, automatically end welded.

MODEL: 013-Modular-Joint-at-Parapet
FILE NAME: X:\Projects\Contract\25-0645 DOT W015 FAP Route 325 IL 15\JG010720013-087696-Sheets.dgn
8/6/2026 9:03:09 AM

	Hurst-Rosche, Inc. 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959	USER NAME = aevln	DESIGNED - JJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLIDING PLATE DETAILS STRUCTURE NO. 079-0013	SHEET 13 OF 15 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT SCALE = \$SCALE\$	CHECKED - CJC	REVISED -				329	125-1BR-1	RANDOLPH	26	24
		PLOT DATE = 8/6/2026	DRAWN - AE	REVISED -				CONTRACT NO. 76R96				
			CHECKED - CJC	REVISED -				ILLINOIS FED. AID PROJECT				



SECTION B-B
(Dimensions shown at right Δ's to the joint)



PARTIAL PLAN

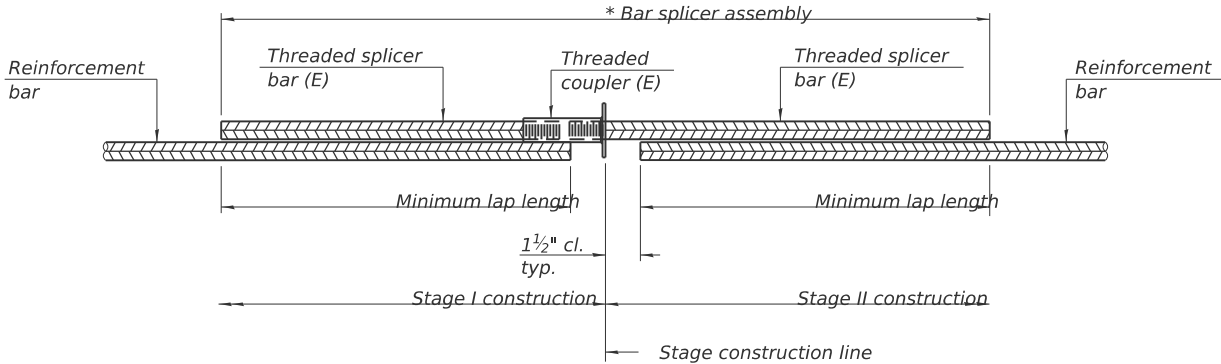
Notes:
 Actual dimensions may vary depending on modular joint manufacturer's design.
 Modular expansion joints shall be installed with forming and reinforcement bars in place prior to pouring the adjoining concrete deck span.
 Modular joint assemblies shall be temporarily supported off the beam ends until the concrete is placed. Additional supports, if required by design, shall be detailed on the shop drawings to connect to the top chord of the cross frames.
 Modular expansion joints shall be adjusted for temperature prior to pouring the blockout area.
 Modular expansion joints shall be assembled in their final relative position with ends in place for shop inspection and acceptance.
 Bars in the blockout may be adjusted in the field if necessary to miss joint support boxes, as approved by the Engineer.

Total Long. Movement (in.)	Total Lateral Movement (in.)	Joint Size (in.)
5 7/8	1 1/8	6

BILL OF MATERIAL

Item	Unit	Quantity
Modular Expansion Joint, 6"	Foot	38

MODEL 014 - Modular Joint Base Sheet
 FILE NAME: X:\Projects\Content\2020\0415 DOT W015 FAP Route 325 (IL 154)\JG0170013-087696-Sheets.dgn
 8/6/2026 9:08:15 AM



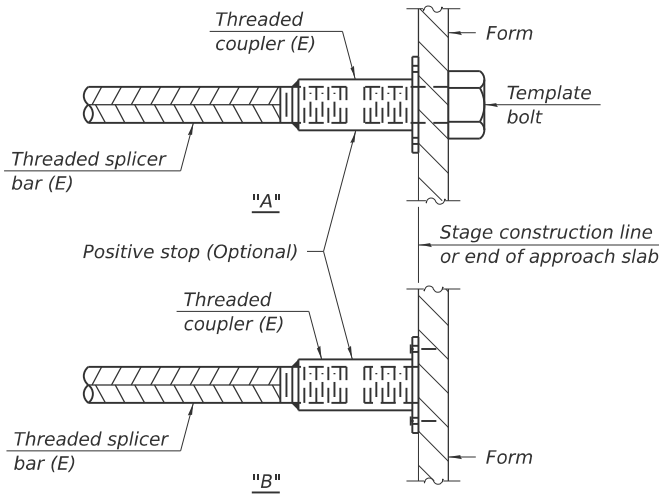
STANDARD BAR SPLICER ASSEMBLY PLAN

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
West Abutment	#6	14	5'-3"
East Abutment	#6	14	5'-3"
Pier 1	#6	32	5'-3"
Pier 4	#6	20	5'-3"

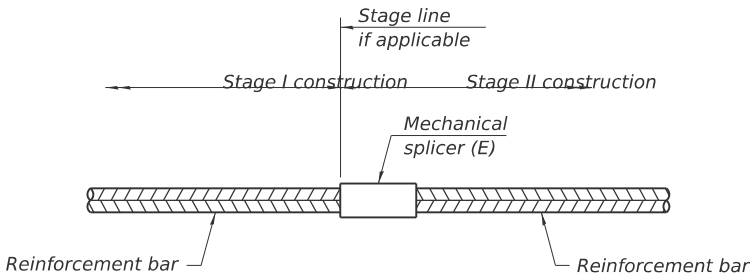


INSTALLATION AND SETTING METHODS

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

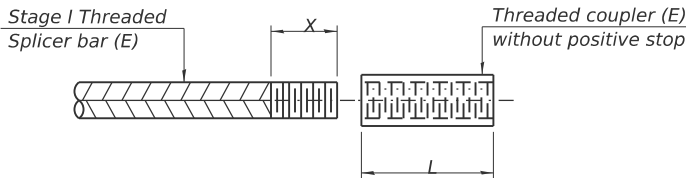
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Pier 1	#5	128



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.

MODEL: 015-bar splicers
FILE NAME: X:\Projects\Current\220-0645 DOT IWO15 FAP Route 325 IL 15A\JGNI0720013-087696-Sheets.dgn
8/6/2026 9:08:44 AM

BSD-1

4-4-2025



Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959

USER NAME = aenln	DESIGNED - JJC	REVISED -
	CHECKED - CJC	REVISED -
PLOT SCALE = \$\$CALES	DRAWN - AE	REVISED -
PLOT DATE = 8/6/2026	CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MECHANICAL SPLICERS AND BAR SPLICER ASSEMBLIES
STRUCTURE NO. 079-0013

SHEET 15 OF 15 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
329	125-1BR-1	RANDOLPH	26	26
CONTRACT NO. 76R96				
ILLINOIS FED. AID PROJECT				