06-14-2024 LETTING ITEM 227

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
155	D4 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	1
	ILLINOIS	CONTRACT NO. 68H71		

INDEX OF SHEETS

FOR HIGHWAY STANDARDS, SEE SHEET 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI 155 (I-155)
SECTION D4 BRIDGE JOINT REPAIR 2024
PROJECT NHPP-B33G(445)
BRIDGE PRESERVATION
TAZEWELL COUNTY

C-94-071-23

QUEENWOOD ROAD/I-155
S.N. 090-0130

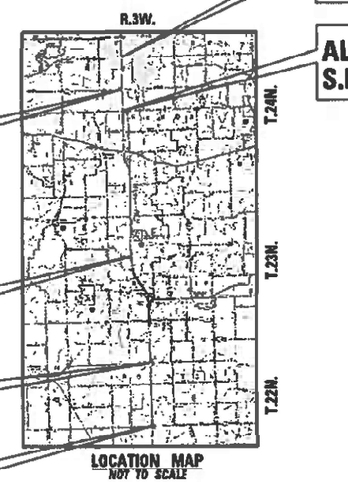
ALLENTOWN ROAD/I-155
S.N. 090-0133

BROADWAY ROAD/I-155
S.N. 090-0132

FEATHER RD/I-155
S.N. 090-0137

IL RTE 122/I-155
S.N. 090-0138

ARMINGTON ROAD/I-155
S.N. 090-0139



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 3525.40 FT. = 0.67 MILE
NET LENGTH = 3525.40 FT. = 0.67 MILE

N

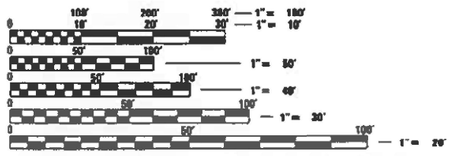
D-94-048-23

LOCATION OF SECTION INDICATED THUS: –■–

PROJECT DESCRIPTION:
WORK INCLUDES BRIDGE DECK AND APPROACH SCARIFICATION, MICROSILICA OVERLAY, JOINT REPLACEMENT, STRUCTURAL REPAIR OF CONCRETE, REPLACING APPROACH INLETS WITH AGG SWALES, AND PERMANENT PROTECTIVE SHIELDING.

DESIGN DESIGNATION

QUEENWOOD ROAD: AADT 2550(2018)–MAJOR COLLECTOR
BROADWAY ROAD: AADT 3850(2018)–MINOR ARTERIAL
ALLENTOWN ROAD: AADT 550(2018)–MINOR COLLECTOR
OLD RTE IL 121: AADT 100(2018)–LOCAL ROAD OR STREET
IL 122: AADT 1450(2018)–MINOR ARTERIAL
ARMINGTON ROAD: AADT 125(2018)–MAJOR COLLECTOR



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: KAREN DVORSKY (309) 671-3490
PROJECT MANAGER: ELIAS ELDERZI (309) 671-3482

CATALOG NO. 036428-00D

CONTRACT NO. 68H71

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 15 20 24
Russell Barnett
REGIONAL ENGINEER

March 22, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

SAMANTHA M. SOTO
062-066034
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
SEAL

Samantha Soto 2/9/24
SAMANTHA M. SOTO P.E. # 062-066034 DATE
LICENSE EXPIRES: NOVEMBER 30, 2025
HURST-ROSCHE, INC.
SHEET RANGE: 1-59, 61-66

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REV. 3/4/24

HIGHWAY STANDARDS

000001-08	AREAS OF REINFORCEMENT BARS
420001-10	PAVEMENT JOINTS
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
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
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
782001-01	CURB REFLECTORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

BRIDGE OVERLAY NOTIFICATION

AFTER PLACEMENT OF THE BRIDGE DECK OVERLAY, THE RESIDENT ENGINEER SHALL NOTIFY THE DISTRICT BRIDGE MAINTENANCE ENGINEER OF THE "AS CONSTRUCTED" MILLING DEPTH AND OVERLAY THICKNESS FOR UPDATING THE ILLINOIS HIGHWAY INFORMATION SYSTEM.

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE HMA SURFACE COURSE.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

1. BDE FORM 2289 (BORROW SITE REVIEW)
2. BDE FORM 2290 (WASTE/USE AREA REVIEW)
3. A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
4. COLOR PHOTOGRAPHS DEPICTING THE USE AREA
5. BORROW AREA ENTRY AGREEMENT FORM - D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

NO PASSING ZONE VERIFICATION

THE RESIDENT SHALL CONTACT OPERATIONS TO VERIFY THE LOCATION OF NO PASSING ZONES PRIOR TO PLACEMENT OF CENTERLINE STRIPING.

PAVING SURFACE COURSE

CONTINOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

SURFACE TYPE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.08 LB/SF
EXISTING PAVEMENT	0.08 LB/SF
FOG COAT (BETWEEN LIFTS)	0.08 LB/SF

SECURING DRAINAGE STRUCTURE GRATES

PRIOR TO ROUTING TRAFFIC ONTO THE SHOULDERS AS SHOWN IN THE STAGING PLANS, THE CONTRACTOR SHALL SECURE GRATINGS ON SHOULDER INLETS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED INTHE COST OF THE TRAFFIC CONTROL PAY ITEM.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	MAINLINE	MAINLINE	SHOULDERS	SHOULDERS	TEMP PAVEMENT	TEMP PAVEMENT
MIXTURE USE(S):	POLYMER SURFACE 1.5"	POLYMER LEVEL BINDER 1"	POLYMER SHOULDER SURFACE LIFT 1.25"	POLYMER SHOULDER BINDER LIFT 1.25"	TEMP PAVEMENT TOP-BINDER 2"	TEMP PAVEMENT 2ND LIFT 2.5" 1ST LIFT 3.5"
AC/PG:	SBS or SBR 76-28	SBS or SBR 76-28	SBS or SBR 70-28	SBS or SBR 70-28	PG 58-28	PG 58-28
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 4.75	IL 9.5	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIX D	MIX D	MIX D	N/A	N/A	N/A
QUALITY MANAGMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA
MTD:	NO	NO	NO	NO	NO	NO

NOTES:

1. INDIVIDUAL LIFT THICKNESSES OF EACH MIX WILL BE NO LESS THAN THREE (3) TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN FIVE (5)TIMES NOMINAL AGGREGATE MAXIMUM SIZE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

2. FOR DESIGN PURPOSES, MIXTURE WEIGHT FOR ALL MIXES IS DETERMINED TO BE 112.0 LB/SQ YD/IN, UNLESS OTHERWISE NOTED.

3. SUBLOT SIZES FOR PFP AND QCP WILL BE 1,000 TONS, UNLESS OTHERWISE AGREED TO BY THE ENGINEER AND THE PAVING CONTRACTOR.

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PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	2
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

REV. 3/4/24

SUMMARY OF QUANTITIES

90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				BRIDGE 0047 S.N. 090-0130	BRIDGE 0047 S.N. 090-0132	BRIDGE 0047 S.N. 090-0133	BRIDGE 0047 S.N. 090-0137	BRIDGE 0047 S.N. 090-0138	BRIDGE 0047 S.N. 090-0139
28100725	STONE DUMPED RIPRAP, CLASS B3	SQ YD	1374	300	300	96		352	326
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1711	427	466	224		462	132
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1568	353	391	236		384	204
40600990	TEMPORARY RAMP	SQ YD	269	61	68	40		66	34
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	75	15	20	10		20	10
40604160	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	152	34	38	22		36	22
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1'	SQ YD	1115	314	337	112		336	16
44000300	CURB REMOVAL	FOOT	143	30	28	29		28	28
44003100	MEDIAN REMOVAL	SQ FT	23995	10038	6949			7008	
48203007	HOT-MIX ASPHALT SHOULDERS, 2 1/2"	SQ YD	1115	314	337	112		336	16
50102400	CONCRETE REMOVAL	CU YD	79.2	18.4	17.2	9.8	8.4	16.6	8.8
50105220	PIPE CULVERT REMOVAL	FOOT	1325	170	255	300		300	300
50300225	CONCRETE STRUCTURES	CU YD	6.9		6.9				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	89.8	20.8	19.4	11.2	9.6	18.8	10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	3
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

REV. 3/4/24

SUMMARY OF QUANTITIES

90% FED
10% STATE

				CONSTRUCTION CODE					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0047 S.N. 090-0130	BRIDGE 0047 S.N. 090-0132	BRIDGE 0047 S.N. 090-0133	BRIDGE 0047 S.N. 090-0137	BRIDGE 0047 S.N. 090-0138	BRIDGE 0047 S.N. 090-0139
50300260	BRIDGE DECK GROOVING	SQ YD	8462	2070	2203	1005		2075	1109
50300300	PROTECTIVE COAT	SQ YD	9298	2283	2375	1111	36	2277	1216
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9425	1830	2645	1110	1020	1700	1120
50800515	BAR SPLICERS	EACH	54	18	18			18	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	605	139	131	75	65	128	67
59000200	EPOXY CRACK INJECTION	FOOT	294	95	10	41	51	76	21
60600605	CONCRETE CURB, TYPE B	FOOT	320	64	64	64		64	64
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	23995	10038	6949			7008	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1137.5	212.5	262.5			662.5	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	20	4	4	4		4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	2	2			2	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4	2	2				
63200310	GUARDRAIL REMOVAL	FOOT	2431	549	602	148		984	148
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7.00	1.17	1.17	1.16	1.16	1.17	1.17

*= SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	4
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

REV. 5/16/24 REV. 3/4/24

SUMMARY OF QUANTITIES

				90% FED 10% STATE					
				CONSTRUCTION CODE					
				20% STATE	20% STATE	20% STATE	20% STATE	20% STATE	20% STATE
				BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
				0047	0047	0047	0047	0047	0047
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	S.N. 090-0130	S.N. 090-0132	S.N. 090-0133	S.N. 090-0137	S.N. 090-0138	S.N. 090-0139
67100100	MOBILIZATION	L SUM	1.00	0.17	0.17	0.16	0.16	0.17	0.17
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	5	1	1	1		1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	5	1	1	1		1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.00	0.33	0.33			0.34	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.00	0.33	0.33			0.34	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.2	0.2	0.2		0.2	0.2
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	196.00	32.67	32.67	32.66	32.66	32.67	32.67
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	1	1			1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	18	6	6			6	
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	3707	589	1606			1512	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84	14	14	14	14	14	14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	149	16	31	38		21	43
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	9640	2142	3385	513		3032	568
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	186	46	70			70	

SUMMARY OF QUANTITIES

90% FED
10% STATE

				CONSTRUCTION CODE					
				10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE
				BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0047 S.N. 090-0130	0047 S.N. 090-0132	0047 S.N. 090-0133	0047 S.N. 090-0137	0047 S.N. 090-0138	0047 S.N. 090-0139
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	12821	3248	3278	1499		3143	1653
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	1958	404	849			705	
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	1924	418	841			665	
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	170	36	65			69	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	4912.5	1300	1275	550		1237.5	550
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4712.5	1150	1250	550		1212.5	550
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	16	4	4	2		4	2
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE,NARROW), TEST LEVEL 3	EACH	16	4	4	2		4	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	4	4			4	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	186	46	70			70	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	12821	3248	3278	1499		3143	1653
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1958	404	849			705	
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1924	418	841			665	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	170	36	65			69	

*= SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	6
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

REV. 3/4/24

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE CONSTRUCTION CODE 20% STATE BRIDGE 0047 S.N. 090-0130	20% STATE BRIDGE 0047 S.N. 090-0132	20% STATE BRIDGE 0047 S.N. 090-0133	20% STATE BRIDGE 0047 S.N. 090-0137	20% STATE BRIDGE 0047 S.N. 090-0138	20% STATE BRIDGE 0047 S.N. 090-0139
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12			2		8	2
*	78200020	CURB REFLECTORS	EACH	194	81	57			56	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12			2		8	2
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3687	783	1584			1320	
	X0326444	SURFACE FILLER (SPECIAL)	GALLON	58	9	9	9	9	9	13
	X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	2675	1118	775			782	
	X5017305	PROTECTIVE SHIELD (PERMANENT)	SQ YD	2688	648	612	347		609	472
	X5030550	PROTECTIVE COAT (SPECIAL)	SQ YD	3720	574	583	556	593	555	859
	X6050500	REMOVE FRAME AND GRATES (SPECIAL)	EACH	20	4	4	4		4	4
*	X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	98					98	
	X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	48	16	16			16	
	X7010202	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	3	1	1			1	
	X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	3			1	1		1
	Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	349	107	89	24		109	20

*= SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	7
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

REV. 3/4/24

SUMMARY OF QUANTITIES

90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				BRIDGE 0047 S.N. 090-0130	BRIDGE 0047 S.N. 090-0132	BRIDGE 0047 S.N. 090-0133	BRIDGE 0047 S.N. 090-0137	BRIDGE 0047 S.N. 090-0138	BRIDGE 0047 S.N. 090-0139
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	9070	2233	2325	1077		2239	1196
Z0012162	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	9070	2233	2325	1077		2239	1196
Z0012750	CONCRETE MEDIAN REPAIR	SQ FT	1653	889	85			679	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	852	117	399	86	3	108	139
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	86	12	40	9		11	14
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.00	0.17	0.17	0.16	0.16	0.17	0.17
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	8					6	2
Ø Z0076600	TRAINEES	HOUR	3,000	3,000					
Z0062456	TEMPORARY PAVEMENT	SQ YD	2675	1118	775			782	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	3,000	3,000					
Z0065730	SLOPE WALL SLURRY PUMPING	CU YD	31.3	8.4	8.4	2	2	8.5	2

Ø 0042

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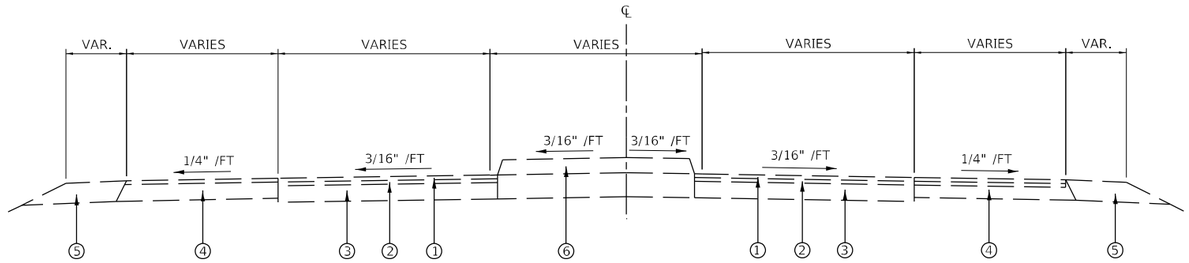
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

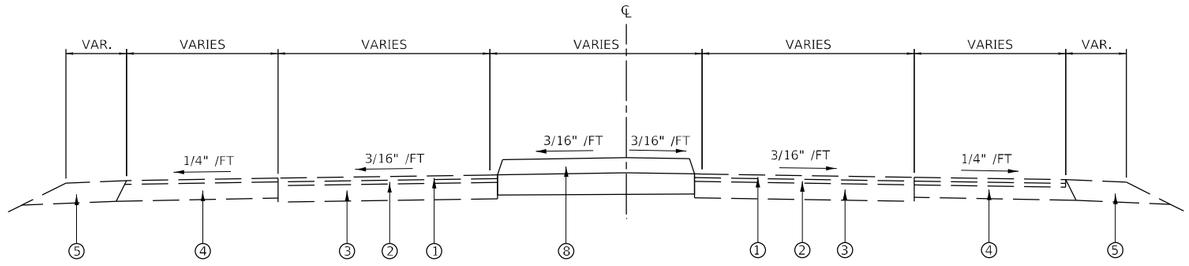
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	8
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

REV. 3/5/24 REV. 3/4/24



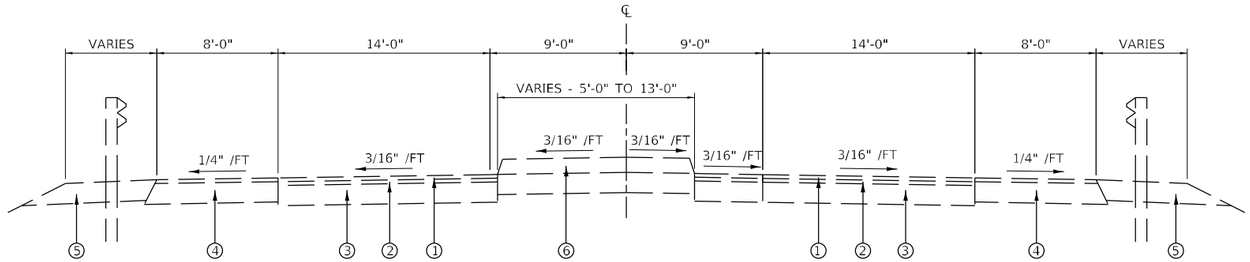
EXISTING TYPICAL SECTION

STA. 14+58.28 TO STA. 16+96.42
STA. 23+05.17 TO STA. 25+88.08



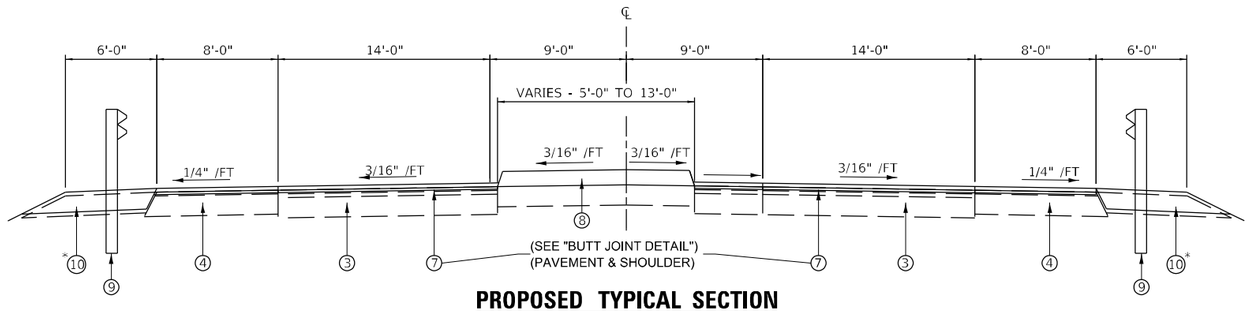
PROPOSED TYPICAL SECTION

STA. 14+58.28 TO STA. 16+96.42
STA. 23+05.17 TO STA. 25+88.08



EXISTING TYPICAL SECTION

STA. 17+59.42 TO STA. 17+89.42
STA. 22+10.58 TO STA. 22+40.58



PROPOSED TYPICAL SECTION

STA. 17+59.42 TO STA. 17+89.42
STA. 22+10.58 TO STA. 22+40.58
(FOR MEDIAN, SHOULDER, AND GUARDRAIL WORK STATION RANGES SEE PLAN SHEETS)

LEGEND

1. EXISTING BITUMINOUS SURFACE
2. EXISTING BITUMINOUS BINDER
3. EXISTING BASE COURSE
4. EXISTING SHOULDER BASE COURSE
5. EXISTING AGGREGATE SHOULDER
6. EXISTING CONCRETE MEDIAN
7. HOT-MIX ASPHALT SURFACE COURSE, IL-9.0, N50
   HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
   BITUMINOUS MATERIALS (TACK COAT)
8. CONCRETE MEDIAN, TYPE SB-6.06
9. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
10. GUARDRAIL AGGREGATE EROSION CONTROL*

*SEE DISTRICT 4 STANDARD DRAWING - 630101-D4

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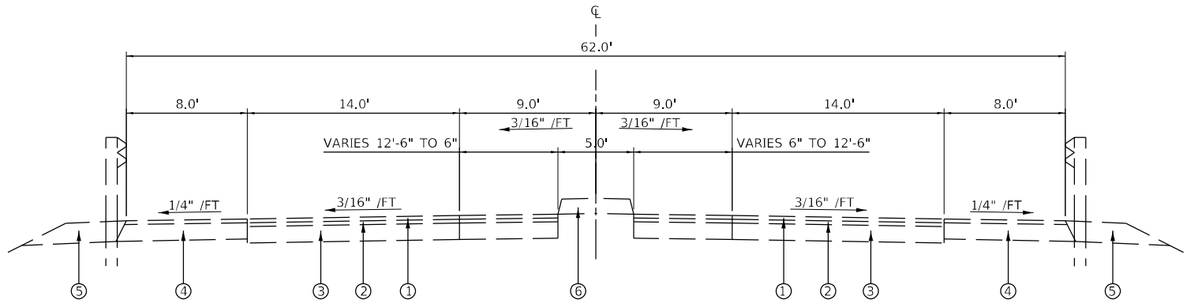
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
S.N. 090-0130

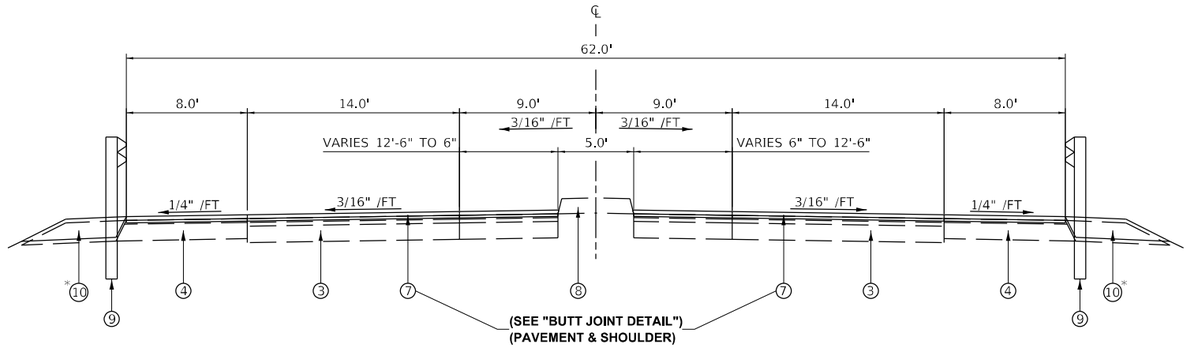
SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	9
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION

STA. 97+57.83 TO STA. 97+87.83
STA. 102+12.17 TO STA. 102+42.17



PROPOSED TYPICAL SECTION

STA. 97+57.83 TO STA. 97+87.83
STA. 102+12.17 TO STA. 102+42.17
(FOR MEDIAN, SHOULDER, AND GUARDRAIL WORK STATION RANGES SEE PLAN SHEETS)

LEGEND

1. EXISTING BITUMINOUS SURFACE
2. EXISTING BITUMINOUS BINDER
3. EXISTING BASE COURSE
4. EXISTING SHOULDER BASE COURSE
5. EXISTING AGGREGATE SHOULDER
6. EXISTING CONCRETE MEDIAN
7. HOT-MIX ASPHALT SURFACE COURSE, IL-9.0, N50
   HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
   BITUMINOUS MATERIALS (TACK COAT)
8. CONCRETE MEDIAN, SB-6.06
9. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
10. GUARDRAIL AGGREGATE EROSION CONTROL*

*SEE DISTRICT 4 STANDARD DRAWING - 630101-D4

MODEL: Default
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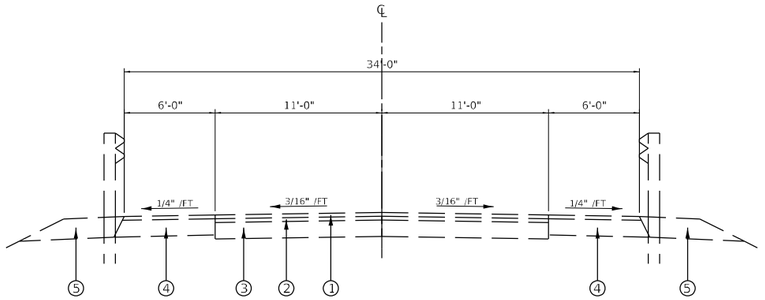
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
S.N. 090-0132

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	10
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

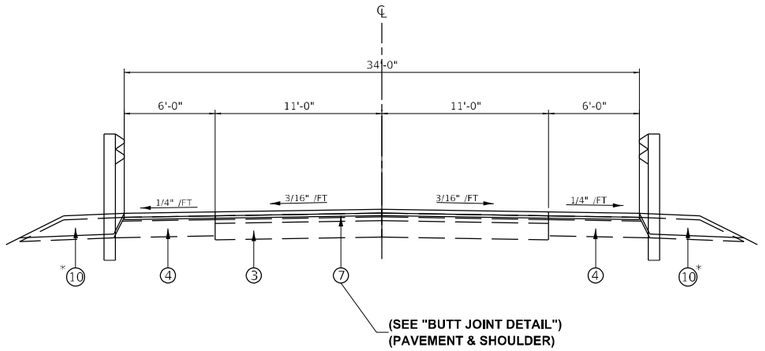


EXISTING TYPICAL SECTION

STA. 98+12.88 TO STA. 98+42.88
STA. 101+57.12 TO STA. 101+87.12

LEGEND

1. EXISTING BITUMINOUS SURFACE
2. EXISTING BITUMINOUS BINDER
3. EXISTING BASE COURSE
4. EXISTING SHOULDER BASE COURSE
5. EXISTING AGGREGATE SHOULDER
6. EXISTING CONCRETE MEDIAN
7. HOT-MIX ASPHALT SURFACE COURSE, IL-9.0, N50
   HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
   BITUMINOUS MATERIALS (TACK COAT)
8. CONCRETE MEDIAN, TYPE SB-6.06
9. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
10. GUARDRAIL AGGREGATE EROSION CONTROL*



PROPOSED TYPICAL SECTION

STA. 98+12.88 TO STA. 98+42.88
STA. 101+57.12 TO STA. 101+87.12
(FOR MEDIAN, SHOULDER, AND GUARDRAIL WORK STATION RANGES SEE PLAN SHEETS)

*SEE DISTRICT 4 STANDARD DRAWING - 630101-D4

MODEL: Default
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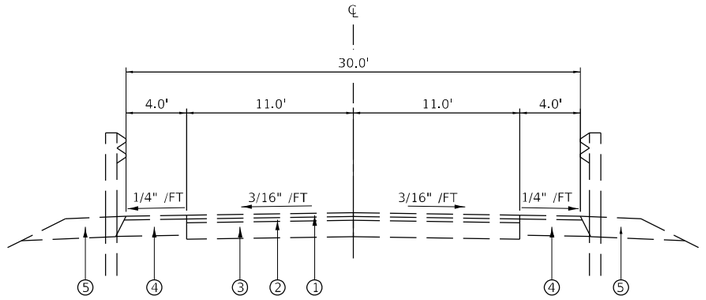
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
S.N. 090-0133

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	11
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION

STA. 98+36.52 TO STA. 98+66.52
STA. 101+31.98 TO STA. 101+61.98

LEGEND

1. EXISTING BITUMINOUS SURFACE
2. EXISTING BITUMINOUS BINDER
3. EXISTING BASE COURSE
4. EXISTING SHOULDER BASE COURSE
5. EXISTING AGGREGATE SHOULDER
6. EXISTING CONCRETE MEDIAN
7. HOT-MIX ASPHALT SURFACE COURSE, IL-9.0, N50
   HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
   BITUMINOUS MATERIALS (TACK COAT)
8. CONCRETE MEDIAN, SB-6.06
9. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
10. GUARDRAIL AGGREGATE EROSION CONTROL*

*SEE DISTRICT 4 STANDARD DRAWING - 630101-D4

NOTE: NO ROADWORK IS REQUIRED FOR THE BRIDGE.

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\3468H71-sht-typical1.dgn

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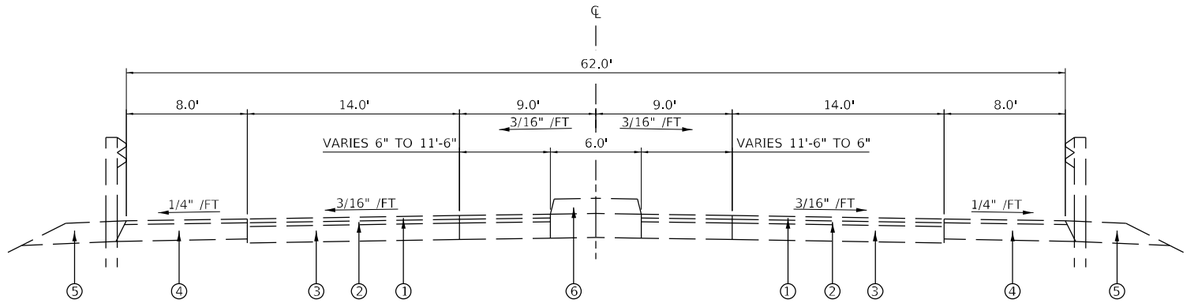
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
S.N. 090-0137

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	12
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

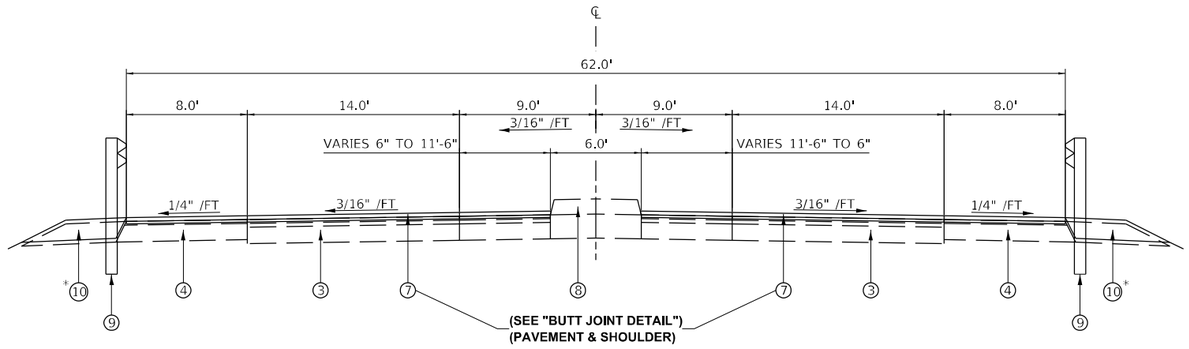


EXISTING TYPICAL SECTION

STA. 522+70.25 TO STA. 523+00.25
STA. 527+13.75 TO STA. 527+43.75

LEGEND

1. EXISTING BITUMINOUS SURFACE
2. EXISTING BITUMINOUS BINDER
3. EXISTING BASE COURSE
4. EXISTING SHOULDER BASE COURSE
5. EXISTING AGGREGATE SHOULDER
6. EXISTING CONCRETE MEDIAN
7. HOT-MIX ASPHALT SURFACE COURSE, IL-9.0, N50
   HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
   BITUMINOUS MATERIALS (TACK COAT)
8. CONCRETE MEDIAN, SB-6.06
9. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
10. GUARDRAIL AGGREGATE EROSION CONTROL*



PROPOSED TYPICAL SECTION

STA. 522+70.25 TO STA. 523+00.25
STA. 527+13.75 TO STA. 527+43.75
(FOR MEDIAN, SHOULDER, AND GUARDRAIL WORK STATION RANGES SEE PLAN SHEETS)

*SEE DISTRICT 4 STANDARD DRAWING - 630101-D4

MODEL: Default
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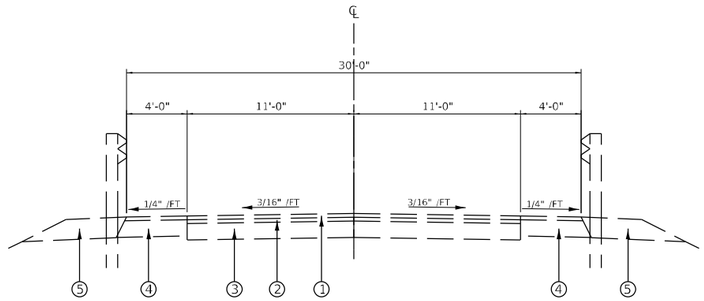
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
S.N. 090-0138

SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	13
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



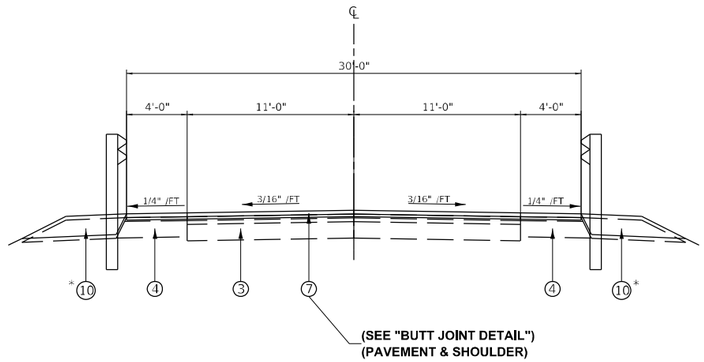
EXISTING TYPICAL SECTION

STA. 698+44.25 TO STA. 698+74.25
STA. 702+39.25 TO STA. 702+69.25

LEGEND

1. EXISTING BITUMINOUS SURFACE
2. EXISTING BITUMINOUS BINDER
3. EXISTING BASE COURSE
4. EXISTING SHOULDER BASE COURSE
5. EXISTING AGGREGATE SHOULDER
6. EXISTING CONCRETE MEDIAN
7. HOT-MIX ASPHALT SURFACE COURSE, IL-9.0, N50
   HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
   BITUMINOUS MATERIALS (TACK COAT)
8. CONCRETE MEDIAN, SB-6.06
9. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
10. GUARDRAIL AGGREGATE EROSION CONTROL*

*SEE DISTRICT 4 STANDARD DRAWING - 630101-D4



PROPOSED TYPICAL SECTION

STA. 698+44.25 TO STA. 698+74.25
STA. 702+39.25 TO STA. 702+69.25

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
S.N. 090-0139

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	14
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

PAVING SCHEDULE

LOCATION				40600295 P BIT MATLS TACK CT	40600982 HMA SURF REM BUTT JT	40600990 TEMPORARY RAMP	40603200 P HMA BC IL-4.75 N50	40604160 P HMA SC IL-9.5 D N50	44000153 HMA SURF REM 1	48203007 HMA SHOULDERS 2 1/2	Z0001002 GDRL AGG EROS CONT
STATION			OFFSET	POUND	SQ YD	SQ YD	TON	TON	SQ YD	SQ YD	TON
S.N. 090-0130 MAINLINE											
17+59.42	TO	17+89.42	LT	21	47	13		4			
17+59.42	TO	17+89.42	RT	28	61	15		6			
22+10.48	TO	22+40.48	LT	21	47	13		4			
22+10.48	TO	22+40.48	RT	41	90	20		8			
17+69.42	TO	17+89.42	LT	7			2				
17+69.42	TO	17+89.42	RT	10			3				
22+20.48	TO	22+40.48	LT	7			2				
22+20.48	TO	22+40.48	RT	14			4				
S.N. 090-0130 SHOULDER											
17+59.42	TO	17+89.42	LT	12	27			3			
17+59.42	TO	17+89.42	RT	12	27			3			
22+10.48	TO	22+40.48	LT	12	27			3			
22+10.48	TO	22+40.48	RT	12	27			3			
17+69.42	TO	17+89.42	LT	4			1				
17+69.42	TO	17+89.42	RT	4			1				
22+20.48	TO	22+40.48	LT	4			1				
22+20.48	TO	22+40.48	RT	4			1				
17+89.42	TO	18+74.98	LT	53					77	77	
17+89.42	TO	18+79.08	RT	54					80	80	
21+20.92	TO	22+10.48	LT	54					80	80	
21+25.02	TO	22+10.48	RT	53					77	77	
17+12.79	TO	18+86.24	LT								23
17+09.81	TO	18+91.60	RT								34
21+08.40	TO	22+84.43	LT								25
21+13.76	TO	22+96.22	RT								25
S.N. 090-0132 MAINLINE											
97+57.83	TO	97+87.83	LT	39	86	20		8			
97+57.83	TO	97+87.83	RT	23	51	14		5			
102+12.17	TO	102+42.17	LT	23	51	14		5			
102+12.17	TO	102+42.17	RT	39	87	20		8			
97+67.83	TO	97+87.83	LT	13			4				
97+67.83	TO	97+87.83	RT	8			2				
102+22.17	TO	102+42.17	LT	8			2				
102+22.17	TO	102+42.17	RT	13			4				
S.N. 090-0132 SHOULDER											
97+57.83	TO	97+87.83	LT	13	29			3			
97+57.83	TO	97+87.83	RT	13	29			3			
102+12.17	TO	102+42.17	LT	13	29			3			
102+12.17	TO	102+42.17	RT	13	29			3			
97+67.83	TO	97+87.83	LT	5			2				
97+67.83	TO	97+87.83	RT	5			2				
102+22.17	TO	102+42.17	LT	5			2				
102+22.17	TO	102+42.17	RT	5			2				
97+87.83	TO	98+76.25	LT	57					84	84	
97+87.83	TO	98+75.41	RT	57					84	84	
101+24.58	TO	102+12.17	LT	57					84	84	
101+23.74	TO	102+12.17	RT	57					85	85	
97+31.34	TO	98+87.98	LT								15
96+61.64	TO	98+86.68	RT								30
101+13.31	TO	103+38.34	LT								30
101+12.01	TO	102+61.27	RT								14
S.N. 090-0133 MAINLINE											
98+12.88	TO	98+42.88	RT/LT	33	74	20		7			
101+57.12	TO	101+87.12	RT/LT	33	74	20		7			
98+22.88	TO	98+42.88	RT/LT	11			3				
101+57.12	TO	101+77.12	RT/LT	11			3				
S.N. 090-0133 SHOULDER											
98+12.88	TO	98+42.88	LT	10	22			2			
98+12.88	TO	98+42.88	RT	10	22			2			
101+57.12	TO	101+87.12	LT	10	22			2			
101+57.12	TO	101+87.12	RT	10	22			2			
98+22.88	TO	98+42.88	LT	4			1				
98+22.88	TO	98+42.88	RT	4			1				

PAVING SCHEDULE

LOCATION				40600295 P BIT MATLS TACK CT	40600982 HMA SURF REM BUTT JT	40600990 TEMPORARY RAMP	40603200 P HMA BC IL-4.75 N50	40604160 P HMA SC IL-9.5 D N50	44000153 HMA SURF REM 1	48203007 HMA SHOULDERS 2 1/2	Z0001002 GDRL AGG EROS CONT
STATION			OFFSET	POUND	SQ YD	SQ YD	TON	TON	SQ YD	SQ YD	TON
S.N. 090-0133 SHOULDER											
101+57.12	TO	101+77.12	LT	4			1				
101+57.12	TO	101+77.12	RT	4			1				
98+42.88	TO	98+80.88	LT	20					28	28	
98+42.88	TO	98+80.88	RT	20					28	28	
101+19.13	TO	101+57.13	LT	20					28	28	
101+19.13	TO	101+57.13	RT	20					28	28	
98+41.05	TO	98+92.38	LT								6
98+40.98	TO	98+92.38	RT								6
101+07.63	TO	101+59.10	LT								6
101+07.63	TO	101+59.03	RT								6
S.N. 090-0138 MAINLINE											
522+70.25	TO	523+00.25	LT	40	87	20		8			
522+70.25	TO	523+00.25	RT	21	47	13		4			
527+13.75	TO	527+43.75	LT	21	47	13		4			
527+13.75	TO	527+43.75	RT	39	87	20		8			
522+80.25	TO	523+00.25	LT	14			4				
522+80.25	TO	523+00.25	RT	7			2				
527+23.75	TO	527+43.75	LT	7			2				
527+23.75	TO	527+43.75	RT	13			4				
S.N. 090-0138 SHOULDER											
522+70.25	TO	523+00.25	LT	13	29			3			
522+70.25	TO	523+00.25	RT	13	29			3			
527+13.75	TO	527+43.75	LT	13	29			3			
527+13.75	TO	527+43.75	RT	13	29			3			
522+80.25	TO	523+00.25	LT	5			2				
522+80.25	TO	523+00.25	RT	5			2				
527+23.75	TO	527+43.75	LT	5			2				
527+23.75	TO	527+43.75	RT	5			2				
523+00.25	TO	523+88.28	LT	57					84	84	
523+00.25	TO	523+88.22	RT	57					84	84	
526+25.75	TO	527+13.75	LT	57					84	84	
526+25.75	TO	527+13.75	RT	57					84	84	
521+46.21	TO	523+99.80	LT								25
521+29.52	TO	523+99.70	RT								29
526+14.25	TO	528+80.24	LT								30
526+14.25	TO	528+67.56	RT								25
S.N. 090-0139 MAINLINE											
698+44.25	TO	698+74.25	RT/LT	33	74	17		7			
702+39.25	TO	702+69.25	RT/LT	33	74	17		7			
698+54.25	TO	698+74.25	RT/LT	11			3				
702+49.25	TO	702+69.25	RT/LT	11			3				
S.N. 090-0139 SHOULDER											
698+44.25	TO	698+74.25	LT	6	14			2			
698+44.25	TO	698+74.25	RT	6	14			2			
702+39.25	TO	702+69.25	LT	6	14			2			
702+39.25	TO	702+69.25	RT	6	14			2			
698+54.25	TO	698+74.25	LT	2			1				
698+54.25	TO	698+74.25	RT	2			1				
702+49.25	TO	702+69.25	LT	2			1				
702+49.25	TO	702+69.25	RT	2			1				
698+74.25	TO	698+82.25	LT	3					4	4	
698+74.25	TO	698+82.25	RT	3					4	4	
702+31.25	TO	702+39.25	LT	3					4	4	
702+31.25	TO	702+39.25	RT	3					4	4	
698+42.35	TO	698+89.25	LT								5
698+42.35	TO	698+94.25	RT								5
702+19.25	TO	702+71.07	LT								5
702+19.25	TO	702+71.23	RT								5
S.N. 090-0130 SUBTOTALS				427	353	61	15	34	314	314	107
S.N. 090-0132 SUBTOTALS				466	391	68	20	38	337	337	89
S.N. 090-0133 SUBTOTALS				224	236	40	10	22	112	112	24
S.N. 090-0138 SUBTOTAL				462	384	66	20	36	336	336	109
S.N. 090-0139 SUBTOTAL				132	204	34	10	22	16	16	20
TOTAL				**1711**	**1568**	**269**	**75**	**152**	**1115**	**1115**	**349**

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
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USER NAME = ssoto	DESIGNED - KYH	REVISED -	
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PLOT SCALE = 100.0000 ' / in.	CHECKED - JJC	REVISED -	
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	15
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-39 Various Bridges Preservation\DGN\68H71\D468H71-sht-sched.le1.dgn

SCHEDULE OF QUANTITIES

PAVEMENT MARKING SCHEDULE																				
LOCATION					70107005 PAVT MK BLKOUT TAPE 5	70300100 SHORT TERM PAVT MKING	70300150 SHRT TRM PAVT MK REM	70307100 TMP PVT MK L&S T4 TAP	70307120 TMP PVT MK L4 T4 TAPE	70307140 TMP PVT MK L8 T4 TAPE	70307160 TMP PVT MK L12 T4 TAP	70307210 TMP PVT MK L24 T4 TAP	78009000 MOD URETH PM LTR-SYM	78009004 MOD URETH PM LINE 4	78009008 MOD URETH PM LINE 8	78009012 MOD URETH PM LINE 12	78009024 MOD URETH PM LINE 24	78100100 RAISED REFL PAVT MKR	78300200 RAISED REF PVT MK REM	78300202 PAVMT MRKG REM WTR BL
STATION			LOCATION	OFFSET	FOOT	FOOT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	SQ FT
S.N. 090-0130																				
17+01.70	TO	22+87.94	EDGE	LT	589		246													
17+59.42	TO	22+40.58	EDGE	LT			161		482					482						
17+59.42	TO	22+40.58	EDGE	RT			161		482					482						
14+58.28	TO	16+96.42	MEDIAN	LT/RT			164		492					492						
17+28.09	TO	22+50.12	MEDIAN	LT/RT			354		1062					1062						
23+05.17	TO	25+88.08	MEDIAN	LT/RT			193		577					577						
20+88.21	TO	22+40.58	TRN LN	RT		16	80	23	153				23	153						
16+04.04	TO	16+88.10	RAMP	LT			424	23		215	185	36	23		215	185	36			424
23+08.08	TO	23+73.27	RAMP	LT			359			189	233				189	233				359
S.N. 090-0132																				
96+26.19	TO	103+61.62	EDGE	LT	736		307													
96+89.96	TO	97+57.83	TRN LN	LT	69		29													
96+31.87	TO	103+63.51	EDGE	RT	733		306													
102+42.17	TO	103+10.09	TRN LN	RT	68		29													
97+57.83	TO	102+42.17	EDGE	LT			162		485					485						
97+57.83	TO	102+42.17	EDGE	RT			162		485					485						
94+32.25	TO	96+12.94	MEDIAN	LT/RT			124		371					371						
96+86.37	TO	103+10.16	MEDIAN	LT/RT			423		1267					1267						
103+85.79	TO	105+67.10	MEDIAN	LT/RT			124		372					372						
97+57.83	TO	99+09.51	TRN LN	LT		16	69	12	152				12	152						
100+96.46	TO	102+42.17	TRN LN	RT		15	66	12	146				12	146						
95+36.97	TO	96+14.70	RAMP	LT			404	23		226	162	34	23		226	162	34			404
95+49.86	TO	96+11.70	RAMP	RT			376			194	246				194	246				376
103+83.41	TO	104+62.71	RAMP	LT			410			222	262				222	262				410
103+91.62	TO	104+68.19	RAMP	RT			394	23		207	171	31	23		207	171	31			394
S.N. 090-0133																				
98+12.88	TO	101+87.12	EDGE	LT			125		375					375						
98+12.88	TO	101+87.12	EDGE	RT			125		375					375						
98+12.88	TO	101+87.12	CL	LT/RT		38	263		749					749				2	2	
S.N. 090-0138																				
522+70.25	TO	527+43.75	MEDIAN	LT														4	4	
522+70.25	TO	527+43.75	MEDIAN	RT														4	4	
521+40.38	TO	528+50.80	EDGE	LT	712		297													
521+82.55	TO	522+70.26	TRN LN	LT	88		37													
521+55.71	TO	528+67.49	EDGE	RT	712		297													
522+70.25	TO	527+43.75	EDGE	LT			158		474					474						
522+70.25	TO	527+43.75	EDGE	RT			158		474					474						
519+45.22	TO	521+18.22	MEDIAN	LT/RT			118		354					354						
521+88.66	TO	528+16.42	MEDIAN	LT/RT			424		1270					1270						
528+86.93	TO	530+68.84	MEDIAN	LT/RT			125		373					373						
522+70.25	TO	523+71.57	TRN LN	LT		11	50	12	102				12	102						
526+48.13	TO	527+43.75	TRN LN	RT		10	48	12	96				12	96						
520+56.36	TO	521+24.17	RAMP	LT			307	23		162	108	34	23		162	108	34			307
520+57.11	TO	521+25.93	RAMP	RT			337			193	208				193	208				337
528+78.24	TO	529+51.33	RAMP	LT			368			198	236				198	236				368
528+78.68	TO	529+46.78	RAMP	RT			308	23		152	113	35	23		152	113	35			308
S.N. 090-0139																				
698+44.25	TO	702+69.25	EDGE	LT			142		425					425						
698+44.25	TO	702+69.25	EDGE	RT			142		425					425						
698+44.25	TO	702+04.29	CL	LT/RT			241		721					721						
702+04.29	TO	702+69.25	CL	LT/RT			28		82					82						
698+44.25	TO	702+69.25	CL	LT/RT		43	15											2	2	
S.N. 090-0130 SUBTOTAL					589	16	2142	46	3248	404	418	36	46	3248	404	418	36			783
S.N. 090-0132 SUBTOTAL					1606	31	3385	70	3278	849	841	65	70	3278	849	841	65			1584
S.N. 090-0133 SUBTOTAL						38	513		1499					1499				2	2	
S.N. 090-0138 SUBTOTAL					1512	21	3032	70	3143	705	665	69	70	3143	705	665	69	8	8	1320
S.N. 090-0139 SUBTOTAL						43	568		1653					1653				2	2	
TOTAL					**3707**	**149**	**9640**	**186**	**12821**	**1958**	**1924**	**170**	**186**	**12821**	**1958**	**1924**	**170**	**12**	**12**	**3687**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	16
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 W02 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-sched_ile2.dgn

SCHEDULE OF QUANTITIES

GUARDRAIL SCHEDULE

LOCATION				44000300 CURB REM	60600605 CONC CURB TB	63000001 SPBGR TY A 6FT POSTS	63100085 TRAF BAR TERM T6	63100167 TR BAR TRM T1 SPL TAN	63100169 TR BAR TRM T1 SPL FLR	63200310 GUARDRAIL REMOV	72501000 TERMINAL MARKER - DA	X6330725 SPBGR (SHORT RADIUS)	X6350204 LINEAR DELIN PANELS 4
STATION			OFFSET	FOOT	FOOT	FOOT	EACH	EACH	EACH	FOOT	EACH	FOOT	EACH
S.N. 090-0130													
18+74.98	TO	18+81.98	LT	7	16								
18+79.08	TO	18+86.85	RT	8	16								
21+13.15	TO	21+20.92	LT	8	16								
21+18.02	TO	21+25.02	RT	7	16								
18+08.01	TO	18+45.08	LT			37.5							4
17+94.80	TO	18+49.95	RT			62.5							4
21+50.07	TO	22+10.16	LT			62.5							4
21+54.92	TO	22+00.23	RT			50.0							4
18+45.08	TO	18+74.98	LT				1						
18+49.95	TO	18+86.85	RT				1						
21+13.17	TO	21+50.07	LT				1						
21+18.02	TO	21+54.92	RT				1						
17+58.01	TO	18+08.01	LT					1			1		
22+00.23	TO	22+50.23	RT					1			1		
17+44.80	TO	17+94.80	RT						1		1		
22+10.16	TO	22+60.16	LT						1		1		
17+58.01	TO	18+81.98	LT							125			
17+44.80	TO	18+86.85	RT							143			
21+13.17	TO	22+60.16	LT							148			
21+18.02	TO	22+50.23	RT							133			
S.N. 090-0132													
98+76.41	TO	98+83.40	LT	7	16								
98+75.25	TO	98+82.24	RT	7	16								
101+17.75	TO	101+24.74	LT	7	16								
101+16.60	TO	101+23.58	RT	7	16								
98+15.34	TO	98+46.50	LT			37.5							4
97+46.64	TO	98+45.34	RT			100.0							4
101+54.65	TO	102+53.36	LT			100.0							4
101+53.50	TO	101+77.27	RT			25.0							4
98+46.50	TO	98+83.40	LT				1						
98+45.34	TO	98+82.24	RT				1						
101+17.75	TO	101+54.65	LT				1						
101+16.60	TO	101+53.50	RT				1						
97+65.34	TO	98+15.34	LT					1			1		
96+96.64	TO	97+46.64	RT						1		1		
101+77.27	TO	102+27.27	RT					1			1		
102+53.36	TO	103+03.36	LT						1		1		
97+65.34	TO	98+83.40	LT							119			
96+96.64	TO	98+82.24	RT							186			
101+17.75	TO	103+03.36	LT							186			
101+16.60	TO	102+27.27	RT							111			
S.N. 090-0133													
98+80.88	TO	98+87.95	LT	8	16								
98+80.88	TO	98+87.88	RT	7	16								
101+12.20	TO	101+19.13	LT	7	16								
101+12.13	TO	101+19.13	RT	7	16								
98+51.05	TO	98+87.95	LT				1			37			
98+50.98	TO	98+87.88	RT				1			37			
101+12.20	TO	101+49.10	LT				1			37			
101+12.13	TO	101+49.03	RT				1			37			
S.N 090-0138													
523+88.29	TO	523+95.29	LT	7	16								
523+88.21	TO	523+95.21	RT	7	16								
526+18.75	TO	526+25.75	LT	7	16								
526+18.75	TO	526+25.75	RT	7	16								
522+30.21	TO	523+58.39	LT			137.5							4
521+65.19	TO	523+58.31	RT			187.5							4
526+55.65	TO	528+36.85	LT			200.0							4
526+55.65	TO	527+88.05	RT			137.5							4

GUARDRAIL SCHEDULE

LOCATION				44000300 CURB REM	60600605 CONC CURB TB	63000001 SPBGR TY A 6FT POSTS	63100085 TRAF BAR TERM T6	63100167 TR BAR TRM T1 SPL TAN	63100169 TR BAR TRM T1 SPL FLR	63200310 GUARDRAIL REMOV	72501000 TERMINAL MARKER - DA	X6330725 SPBGR (SHORT RADIUS)	X6350204 LINEAR DELIN PANELS 4
STATION			OFFSET	FOOT	FOOT	FOOT	EACH	EACH	EACH	FOOT	EACH	FOOT	EACH
S.N 090-0138													
523+58.39	TO	523+95.29	LT				1						
523+58.31	TO	523+95.21	RT				1						
526+18.75	TO	526+55.65	LT				1						
526+18.75	TO	526+55.65	RT				1						
521+80.21	TO	522+30.21	LT					1			1		
527+88.05	TO	528+38.05	RT					1			1		
521+33.97	TO	521+65.19	RT								1	39	
528+36.85	TO	528+76.05	LT								1	59	
521+80.21	TO	523+95.29	LT							216			
521+33.81	TO	523+95.21	RT							270			
526+18.75	TO	528+76.99	LT							278			
526+18.75	TO	528+38.05	RT							220			
S.N. 090-0139													
698+82.25	TO	698+89.25	LT	7	16								
698+82.25	TO	698+89.25	RT	7	16								
702+24.25	TO	702+31.25	LT	7	16								
702+24.25	TO	702+31.25	RT	7	16								
698+52.35	TO	698+89.25	LT				1			37			
698+52.35	TO	698+89.25	RT				1			37			
702+24.25	TO	702+61.15	LT				1			37			
702+24.25	TO	702+61.15	RT				1			37			
S.N. 090-0130 SUBTOTAL				30	64	212.5	4	2	2	549	4		16
S.N. 090-0132 SUBTOTAL				28	64	262.5	4	2	2	602	4		16
S.N. 090-0133 SUBTOTAL				29	64		4			148			
S.N. 090-0138 SUBTOTAL				28	64	662.5	4	2		984	4	98	16
S.N. 090-0139 SUBTOTAL				28	64		4			148			
TOTAL				143	320	1137.5	20	6	4	2431	12	98	48

DRAINAGE SCHEDULE

LOCATION				28100725 STONE DUMPED RIPRAP, CLASS B3	50105220 PIPE CULVERT REMOVAL	X6050500 REMOVE FRAME AND GRATES (SPECIAL)
STATION			OFFSET	SQ YD	FOOT	EACH
S.N. 090-0130						
18+72.33	TO	19+03.47	LT	75	67	1
18+76.10	TO	19+08.25	RT	75	67	1
20+91.75	TO	21+23.72	LT	75	12	1
20+96.53	TO	21+27.89	RT	75	24	1
S.N. 090-0132						
98+73.18	TO	99+05.18	LT	75	20	1
98+72.09	TO	99+03.98	RT	75	73	1
100+96.01	TO	101+27.90	LT	75	79	1
100+94.78	TO	101+26.65	RT	75	83	1
S.N. 090-0133						
98+77.42	TO	99+09.46	LT	24	75	1
98+77.54	TO	99+09.46	RT	24	75	1
100+90.55	TO	101+22.51	LT	24	75	1
100+90.55	TO	101+22.52	RT	24	75	1
S.N. 090-0138						
523+86.29	TO	524+17.46	LT	88	75	1
523+86.22	TO	524+17.46	RT	88	75	1
525+96.54	TO	526+27.76	LT	88	75	1
525+96.54	TO	526+27.79	RT	88	75	1
S.N. 090-0139						
698+79.11	TO	699+09.21	LT	75	75	1
698+79.43	TO	699+09.21	RT	75	75	1
702+04.29	TO	702+34.08	LT	88	75	1
702+04.29	TO	702+33.91	RT	88	75	1
S.N. 090-0130 SUBTOTAL				300	170	4
S.N. 090-0132 SUBTOTAL				300	255	4
S.N. 090-0133 SUBTOTAL				96	300	4
S.N. 090-0138 SUBTOTAL				352	300	4
S.N. 090-0139 SUBTOTAL				326	300	4
TOTAL				1374	1325	20

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SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	17
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

MEDIAN SCHEDULE

LOCATION				44003100 MEDIAN REMOVAL	60619200 CONCRETE MEDIAN, SB-6.06	X4400110 TEMPORARY PAVEMENT REMOVAL	Z0062456 TEMPORARY PAVEMENT
STATION			OFFSET	SQ FT	SQ FT	SQ YD	SQ YD
S.N. 090-0130							
PRE-STAGE							
14+58.28	TO	16+96.42	LT/RT	4294			478
16+27.58	TO	16+60.79	LT	415			47
17+28.09	TO	17+89.42	LT/RT	728			81
22+10.58	TO	22+50.12	LT/RT	197			22
23+05.17	TO	25+88.08	LT/RT	4404			490
STAGE I							
17+89.42	TO	22+10.58	LT/RT				
POST-STAGE							
14+58.28	TO	16+96.42	LT/RT		4294	478	
16+27.58	TO	16+60.79	LT		415	47	
17+28.09	TO	17+89.42	LT/RT		728	81	
22+10.58	TO	22+50.12	LT/RT		197	22	
23+05.17	TO	25+88.08	LT/RT		4404	490	
S.N. 090-0132							
PRE-STAGE							
94+32.25	TO	96+12.94	LT/RT	2756			307
95+69.53	TO	95+85.37	LT	284			32
96+86.37	TO	97+87.83	LT/RT	507			57
102+12.17	TO	103+10.16	LT/RT	490			55
103+85.79	TO	105+67.10	LT/RT	2751			306
104+11.07	TO	104+32.42	RT	161			18
POST-STAGE							
94+32.25	TO	96+12.94	LT/RT		2756	307	
95+69.53	TO	95+85.37	LT		284	32	
96+86.37	TO	97+87.83	LT/RT		507	57	
102+12.17	TO	103+10.16	LT/RT		490	55	
103+85.79	TO	105+67.10	LT/RT		2751	306	
104+11.07	TO	104+32.42	RT		161	18	
S.N. 090-0138							
PRE-STAGE							
519+45.22	TO	521+18.22	LT/RT	2578			287
520+83.25	TO	521+01.31	LT	168			19
521+88.66	TO	523+00.25	LT/RT	666			74
521+13.75	TO	528+16.42	LT/RT	613			69
528+86.93	TO	530+68.84	LT/RT	2828			315
529+04.85	TO	529+22.93	RT	155			18
POST-STAGE							
519+45.22	TO	521+18.22	LT/RT		2578	287	
520+83.25	TO	521+01.31	LT		168	19	
521+88.66	TO	523+00.25	LT/RT		666	74	
527+13.75	TO	528+16.42	LT/RT		613	69	
528+86.93	TO	530+68.84	LT/RT		2828	315	
529+04.85	TO	529+22.93	RT		155	18	
S.N. 090-0130 SUBTOTALS				10038	10038	1118	1118
S.N. 090-0132 SUBTOTALS				6949	6949	775	775
S.N. 090-0138 SUBTOTALS				7008	7008	782	782
TOTAL				**23995**	**23995**	**2675**	**2675**

CURB REFLECTORS SCHEDULE

STATION			OFFSET	EACH
S.N. 090-0130				
Amber				
14+58.28	TO	16+96.42	LT/RT	17
17+28.09	TO	17+89.42	LT/RT	6
17+89.42	TO	22+10.58	LT/RT	25
22+10.58	TO	22+50.12	LT/RT	3
23+05.17	TO	25+88.08	LT/RT	18
Crystal				
16+27.58	TO	16+60.79	LT	12
S.N. 090-0132				
Amber				
94+32.25	TO	96+12.94	LT/RT	11
96+86.37	TO	97+87.83	LT/RT	7
102+12.17	TO	103+10.16	LT/RT	7
103+85.79	TO	105+67.10	LT/RT	12
Crystal				
95+69.53	TO	95+85.37	LT	10
104+11.07	TO	104+32.42	RT	10
S.N. 090-0138				
Amber				
519+45.22	TO	521+18.22	LT/RT	12
521+88.66	TO	523+00.25	LT/RT	7
527+13.75	TO	528+16.42	LT/RT	7
528+86.93	TO	530+68.84	LT/RT	12
Crystal				
520+83.25	TO	521+01.31	LT	9
529+04.85	TO	529+22.93	RT	9
S.N. 090-0130 SUBTOTAL				81
S.N. 090-0132 SUBTOTAL				57
S.N. 090-0138 SUBTOTAL				56
TOTAL				**194**

TEMPORARY CONCRETE BARRIER SCHEDULE

LOCATION				70400100 TEMPORARY CONCRETE BARRIER	70400200 RELOCATE TEMPORARY CONCRETE BARRIER	70600251 IMP ATTN TEMP NRN TL3	70600352 IMP ATTN REL NRN TL3
STATION			OFFSET	FOOT	FOOT	EACH	EACH
S.N. 090-0130							
STAGE I							
15+73.26	TO	23+15.62	LT/RT	750.0		2	
STAGE II							
17+09.38	TO	22+90.67	LT/RT		600.0		2
I - 155 STAGE I			LT/RT	550.0		2	
I- 155 STAGE II			LT/RT		550.0		2
S.N. 090-0132							
STAGE I							
96+57.25	TO	103+42.10	LT/RT	700.0		2	
STAGE II							
96+32.25	TO	103+42.10	LT/RT	25.0	700.0		2
I - 155 STAGE I			LT/RT	550.0		2	
I- 155 STAGE II			LT/RT		550.0		2
S.N. 090-0133							
I - 155 STAGE I			LT/RT	550.0		2	
I- 155 STAGE II			LT/RT		550.0		2
S.N. 090-0138							
STAGE I							
521+70.22	TO	528+18.84	LT/RT	662.5		2	
STAGE II							
521+45.22	TO	528+18.84	LT/RT	25.0	662.5		2
I - 155 STAGE I			LT/RT	550.0		2	
I- 155 STAGE II			LT/RT		550.0		2
S.N. 090-0139							
I - 155 STAGE I			LT/RT	550.0		2	
I- 155 STAGE II			LT/RT		550.0		2
S.N. 090-0130 SUBTOTAL				1300.0	1150.0	4	4
S.N. 090-0132 SUBTOTAL				1275.0	1250.0	4	4
S.N. 090-0133 SUBTOTAL				550.0	550.0	2	2
S.N. 090-0138 SUBTOTAL				1237.5	1212.5	4	4
S.N. 090-0139 SUBTOTAL				550.0	550.0	2	2
TOTAL				**4912.5**	**4712.5**	**16**	**16**

70107025 CHANGEABLE MESSAGE SIGN

LOCATION	CAL DA
S.N. 090-0130	14
S.N. 090-0132	14
S.N. 090-0133	14
S.N. 090-0137	14
S.N. 090-0138	14
S.N. 090-0139	14
TOTAL	**84**

70106500 TEMPORARY BRIDGE TRAFFIC SIGNALS

LOCATION	EACH
S.N. 090-0130	1
S.N. 090-0132	1
S.N. 090-0138	1
TOTAL	**3**

70106700 TEMPORARY RUMBLE STRIPS

LOCATION	EACH
S.N. 090-0130	6
S.N. 090-0132	6
S.N. 090-0138	6
TOTAL	**18**

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
HR # 192-2330
www hurst-rosche.com

USER NAME = ssoto | PLOT SCALE = 100.0000 ' / in. | PLOT DATE = 2/15/2024

DESIGNED - KYH | DRAWN - KYH | CHECKED - JJC | DATE - 02/09/2024

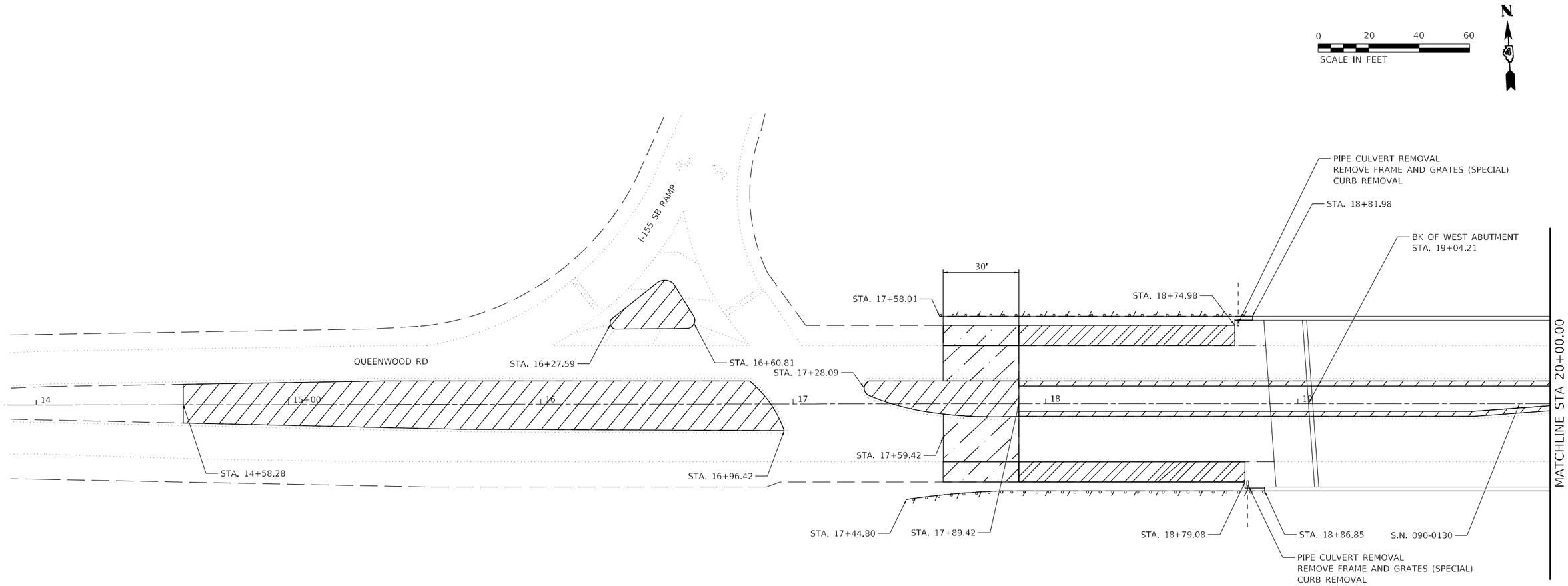
REVISED - | REVISED - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	18
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- BUTT JOINT REMOVAL
- HMA SURFACE REMOVAL 1"
- MEDIAN REMOVAL
- GUARDRAIL REMOVAL

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-removal1.cgn

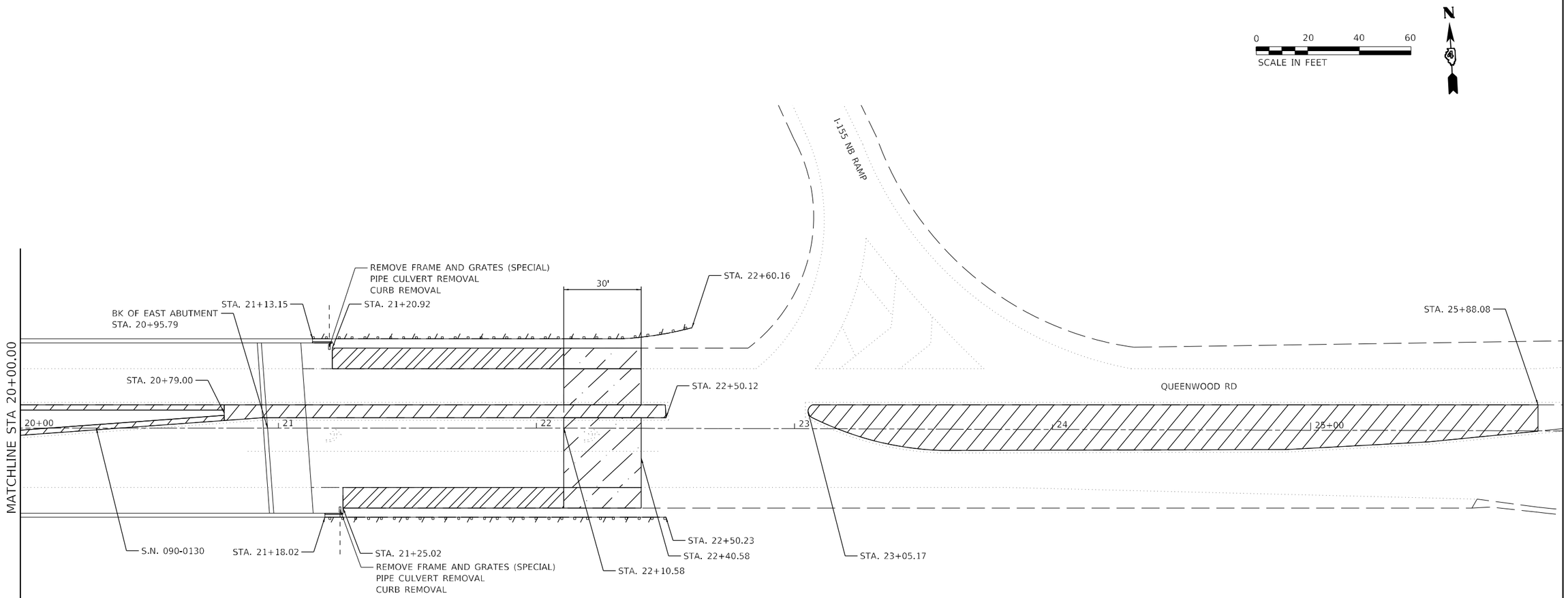
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090–0130

SCALE: 1" = 20' | SHEET 1 OF 8 SHEETS | STA. 14+58.28 TO STA. 20+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	19
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- BUTT JOINT REMOVAL
- HMA SURFACE REMOVAL 1"
- MEDIAN REMOVAL
- GUARDRAIL REMOVAL

MODEL: Default
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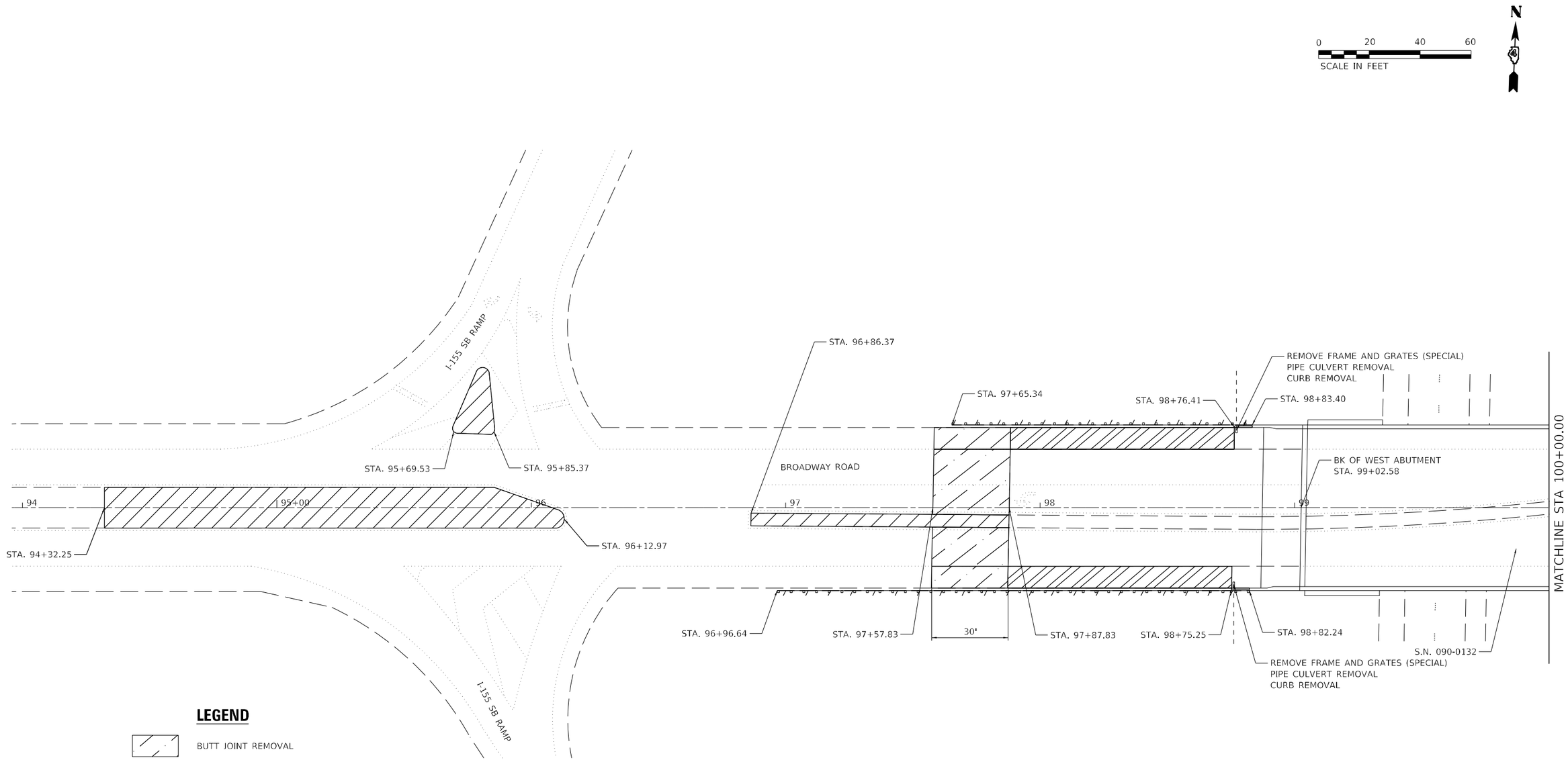
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090–0130

SCALE: 1" = 20' | SHEET 2 OF 8 SHEETS | STA. 20+00.00 TO STA. 25+88.08

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	20
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



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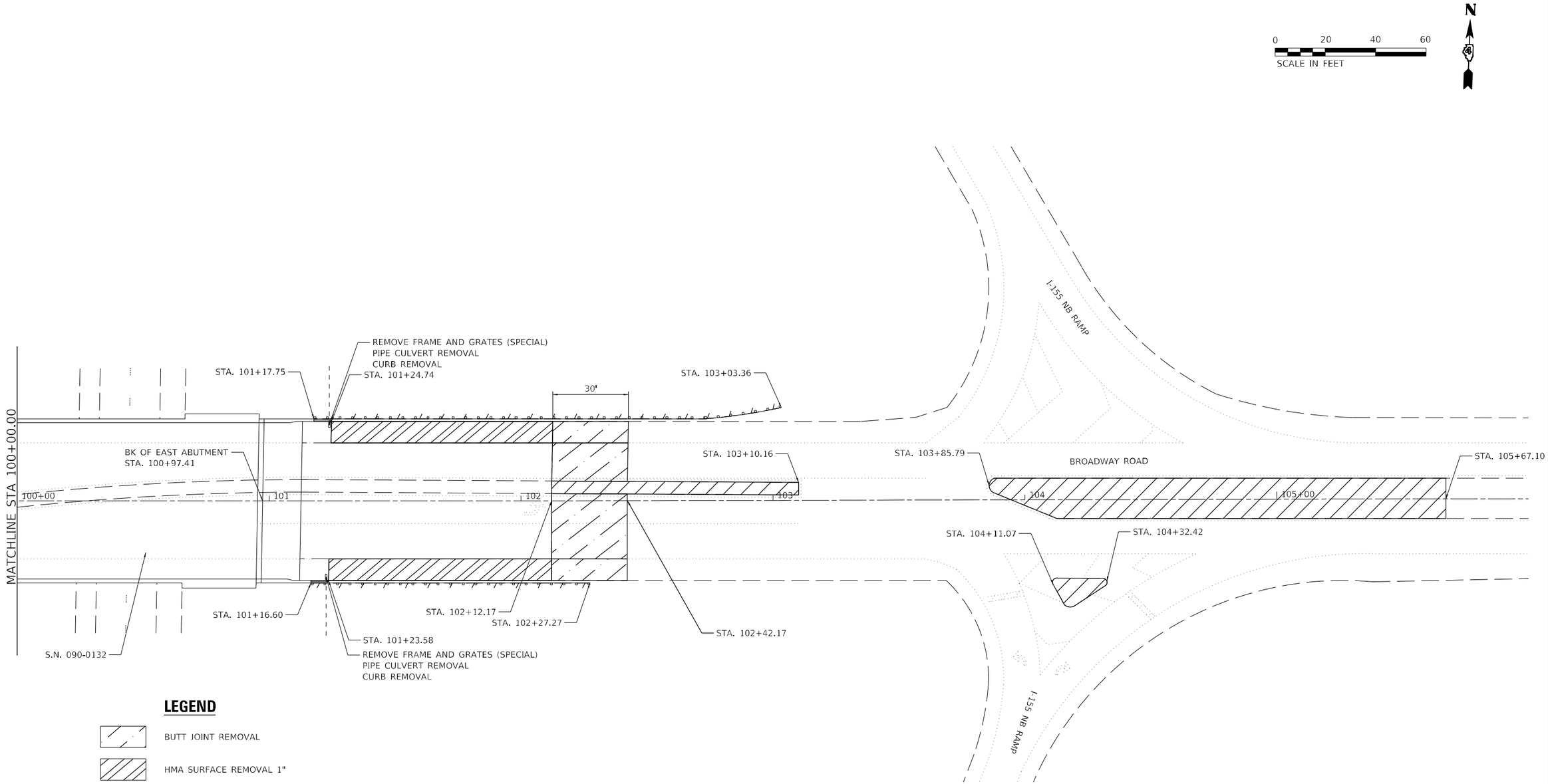
	DRAWN - SMS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -	
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090–0132

SCALE: 1" = 20' | SHEET 3 OF 8 SHEETS | STA. 94+32.25 TO STA. 100+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	21
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- BUTT JOINT REMOVAL
- HMA SURFACE REMOVAL 1"
- MEDIAN REMOVAL
- GUARDRAIL REMOVAL

MODEL: Default
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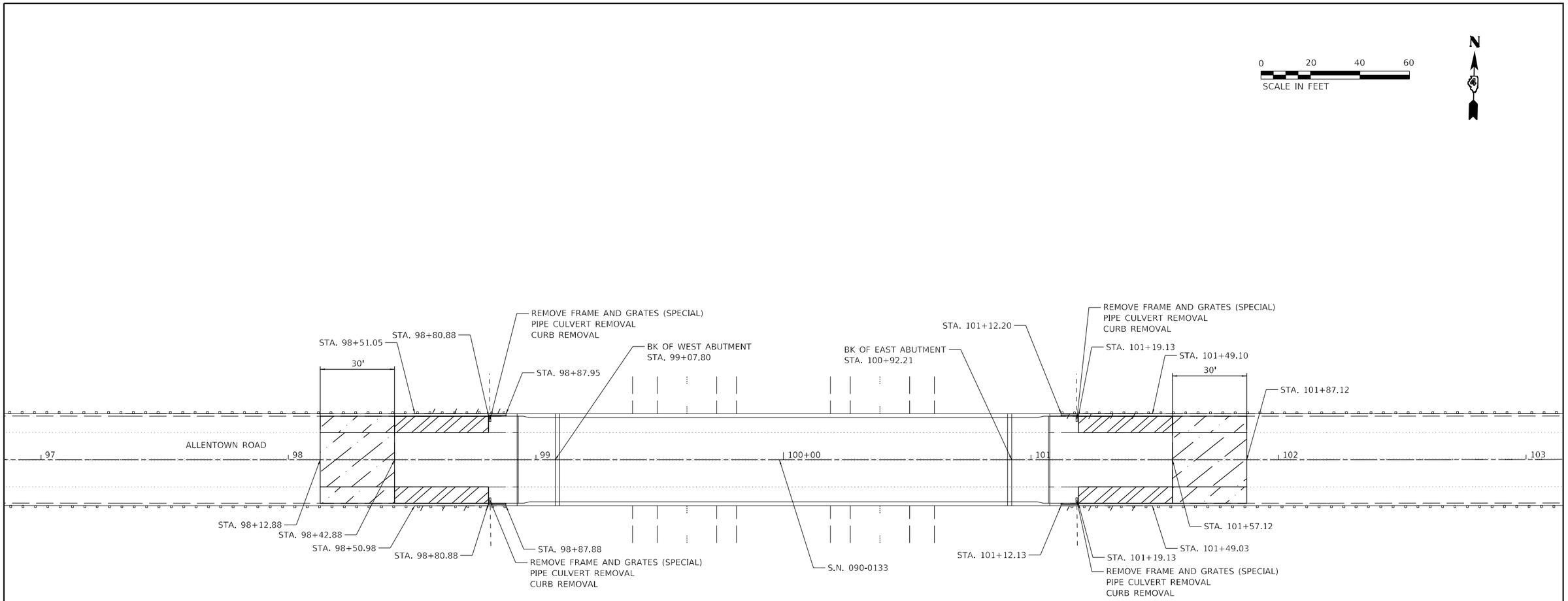
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090–0132

SCALE: 1" = 20' | SHEET 4 OF 8 SHEETS | STA. 100+00.00 TO STA. 105+67.10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	22
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- BUTT JOINT REMOVAL
- HMA SURFACE REMOVAL 1"
- MEDIAN REMOVAL
- GUARDRAIL REMOVAL

MODEL: Default
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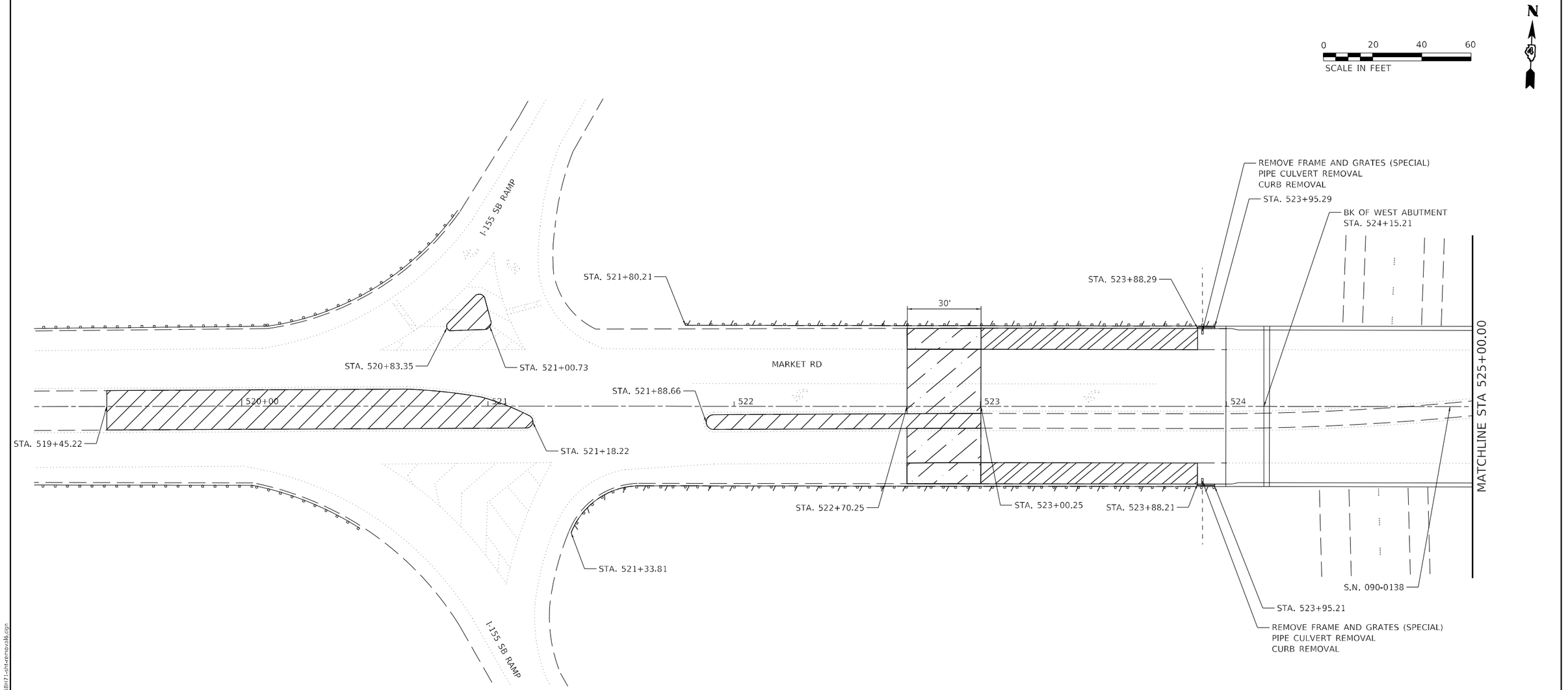
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090-0133

SCALE: 1" = 20' | SHEET 5 OF 8 SHEETS | STA. 98+12.88 TO STA. 101+87.12

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	23
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- BUTT JOINT REMOVAL
- HMA SURFACE REMOVAL 1"
- MEDIAN REMOVAL
- GUARDRAIL REMOVAL

MODEL: Default
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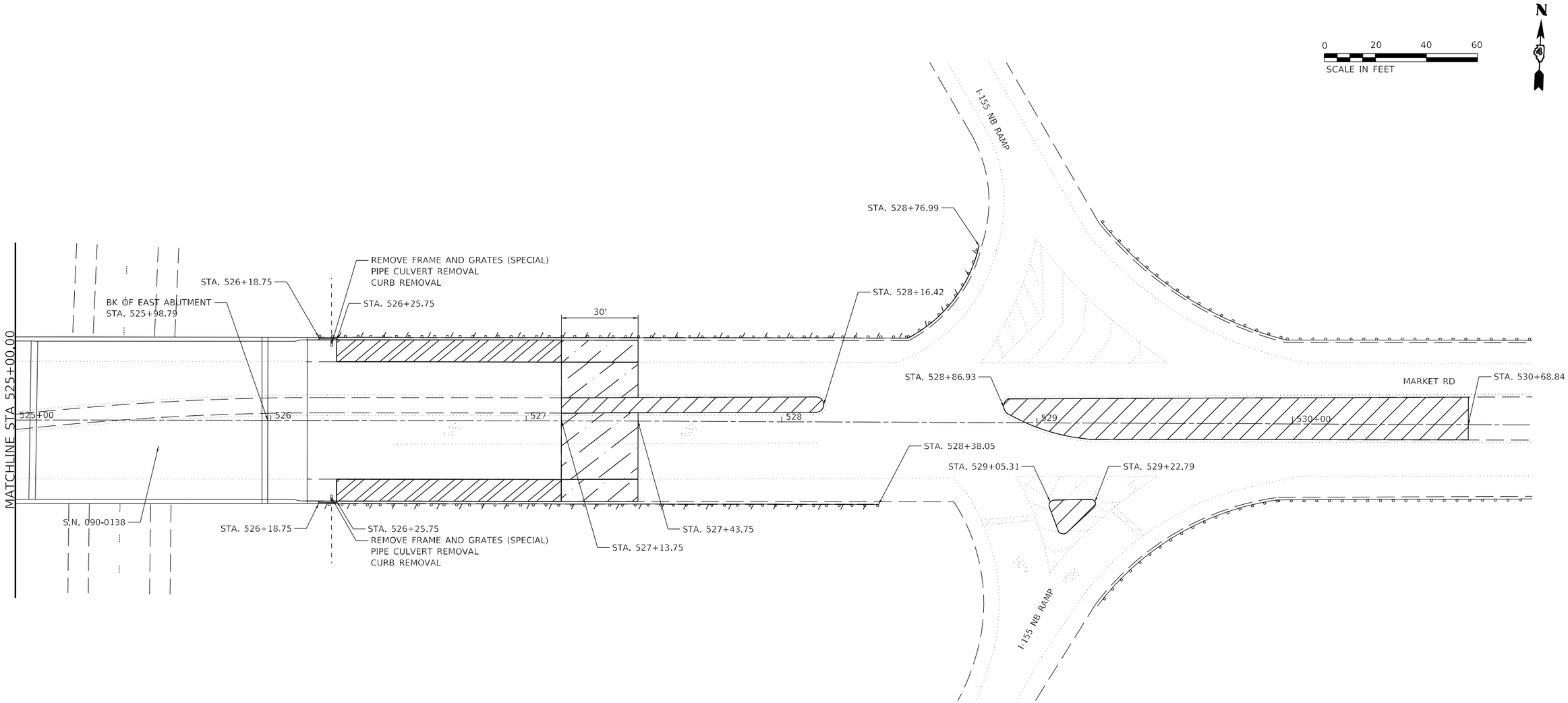
USER NAME = ssoto	DESIGNED - SMS	REVISED -	
	DRAWN - SMS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -	
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090–0138

SCALE: 1" = 20' | SHEET 6 OF 8 SHEETS | STA. 519+45.22 TO STA. 525+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	24
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- BUTT JOINT REMOVAL
- HMA SURFACE REMOVAL 1"
- MEDIAN REMOVAL
- GUARDRAIL REMOVAL

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\046H71-sht-removalP.dgn

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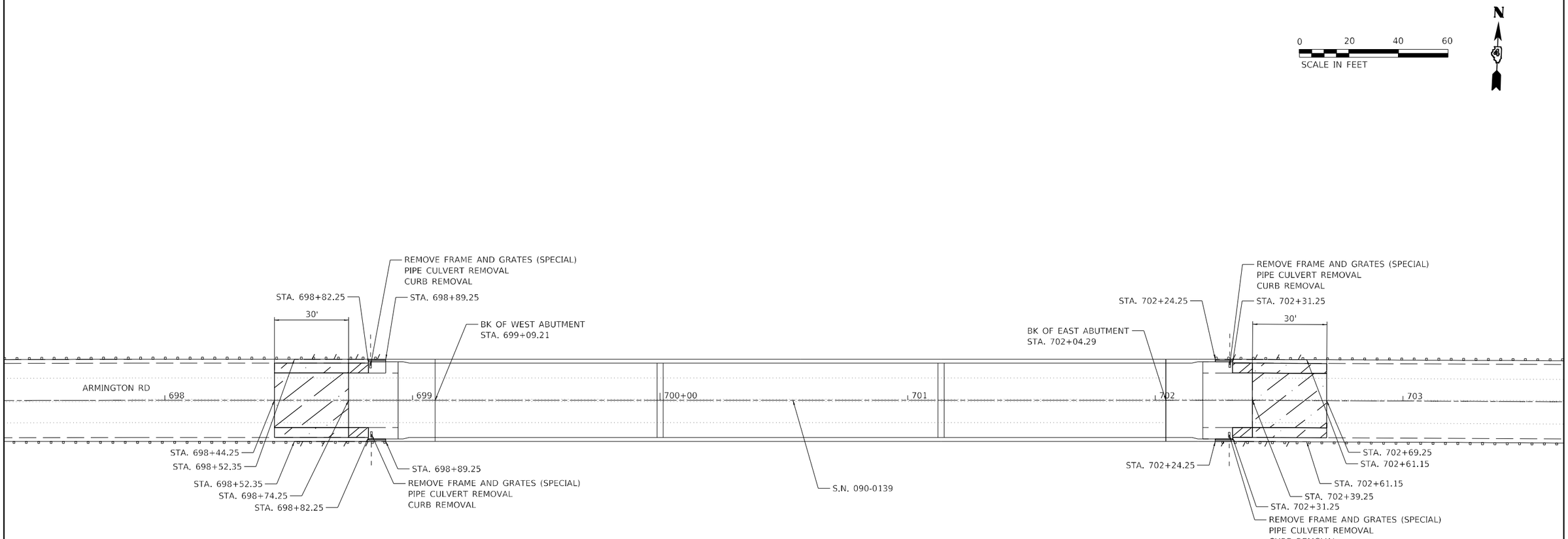
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090–0138

SCALE: 1" = 20' | SHEET 7 OF 8 SHEETS | STA. 525+00.00 TO STA. 530+68.84

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	25
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- BUTT JOINT REMOVAL
- HMA SURFACE REMOVAL 1"
- MEDIAN REMOVAL
- GUARDRAIL REMOVAL

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\IDGN\68H71\0468H71-sht-removal8.dgn

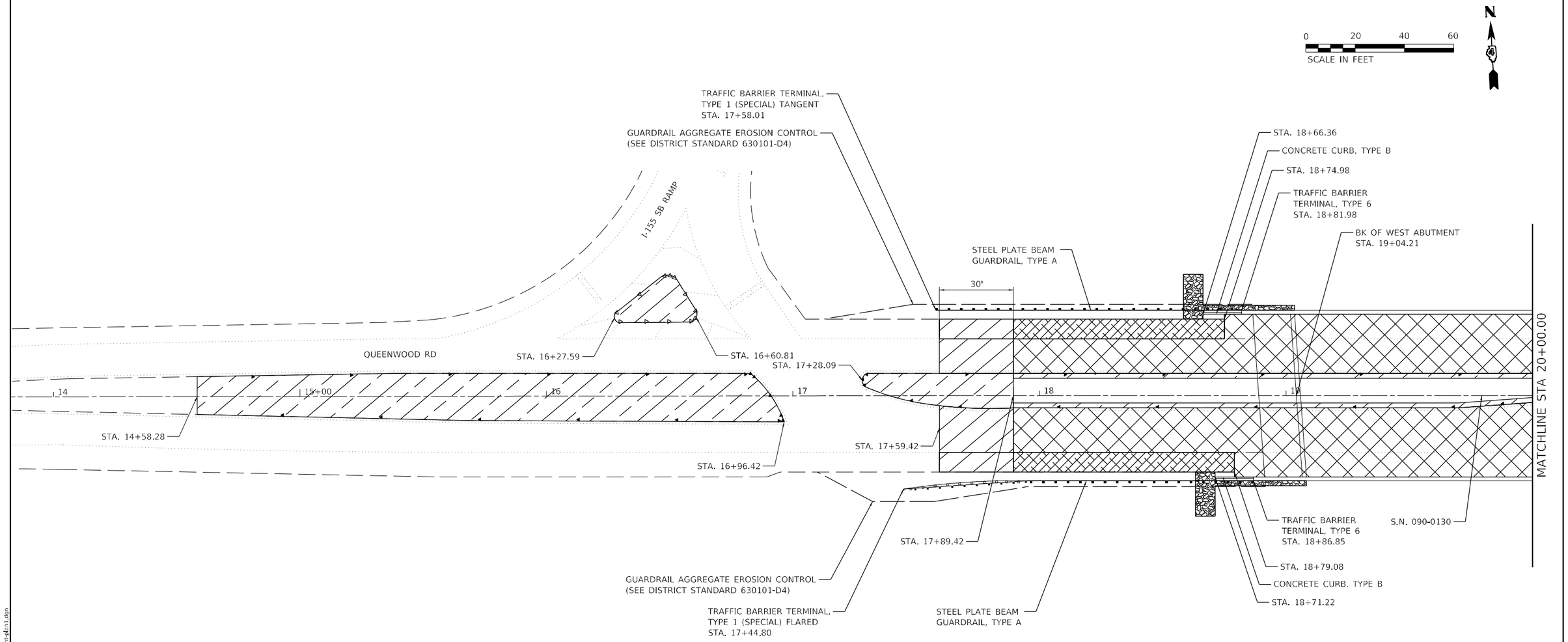
USER NAME = ssoto	DESIGNED - SMS	REVISED -	
	DRAWN - SMS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -	
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
S.N. 090–0139

SCALE: 1" = 20' | SHEET 8 OF 8 SHEETS | STA. 698+44.25 TO STA. 702+69.25

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	26
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED BRIDGE DECK SCARIFICATION 3/4"
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"

HMA PAVEMENT - SEE BUTT JOINT DETAILS

HMA SHOULDERS, 2 1/2"

CONCRETE MEDIAN, TYPE SB-6.06

STONE DUMPED RIPRAP, CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB208-30 Various Bridges Preservation\DGN\68H71-sht-pln1.dgn

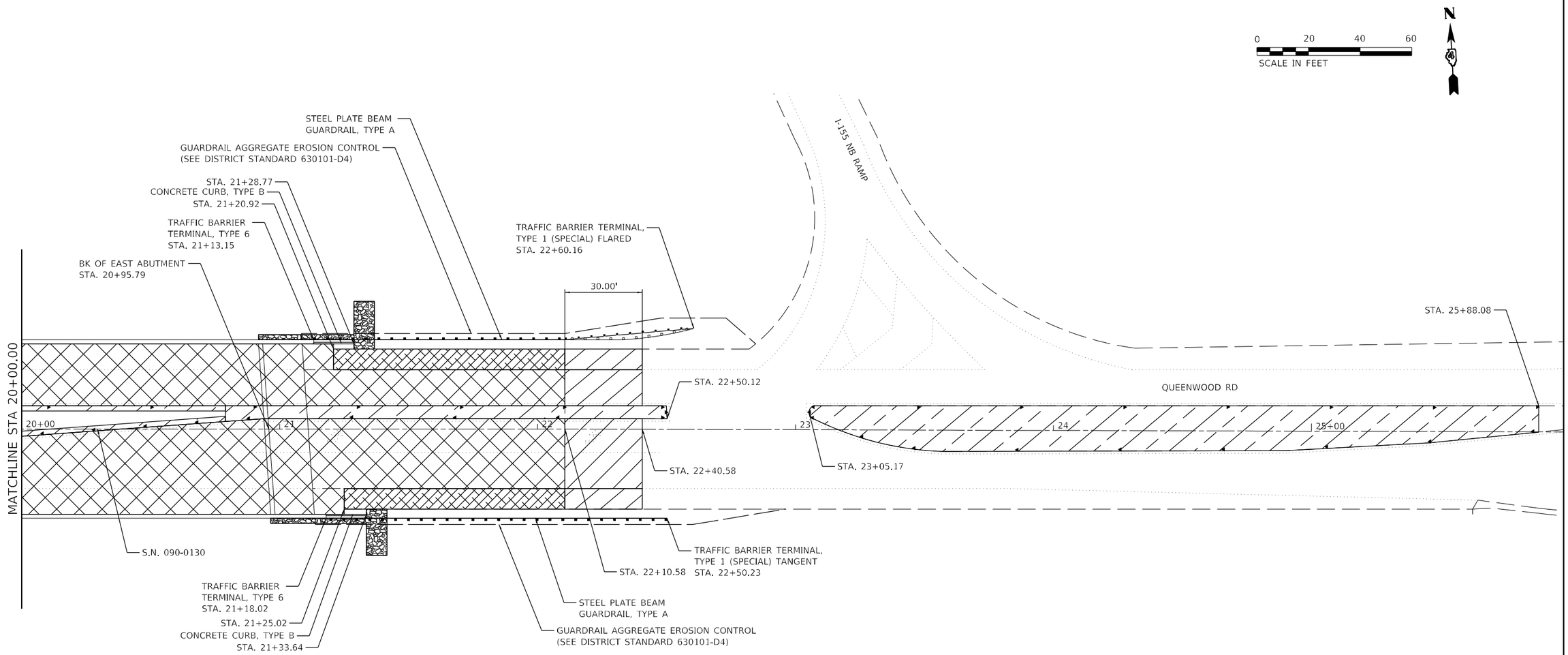
USER NAME = ssoto	DESIGNED - SMS	REVISED -	
	DRAWN - SMS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -	
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090-0130

SCALE: 1" = 20' | SHEET 1 OF 9 SHEETS | STA. 14+58.28 | TO STA. 20+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	27
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

PROPOSED BRIDGE DECK SCARIFICATION 3/4"
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"

HMA PAVEMENT - SEE BUTT JOINT DETAILS

HMA SHOULDER, 2 1/2"

CONCRETE MEDIAN, TYPE SB-6.06

STONE DUMPED RIPRAP, CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 W02 PTB206-30 Various Bridges Preservation\DGN\68H71\68H71-sht-pln-2.dgn

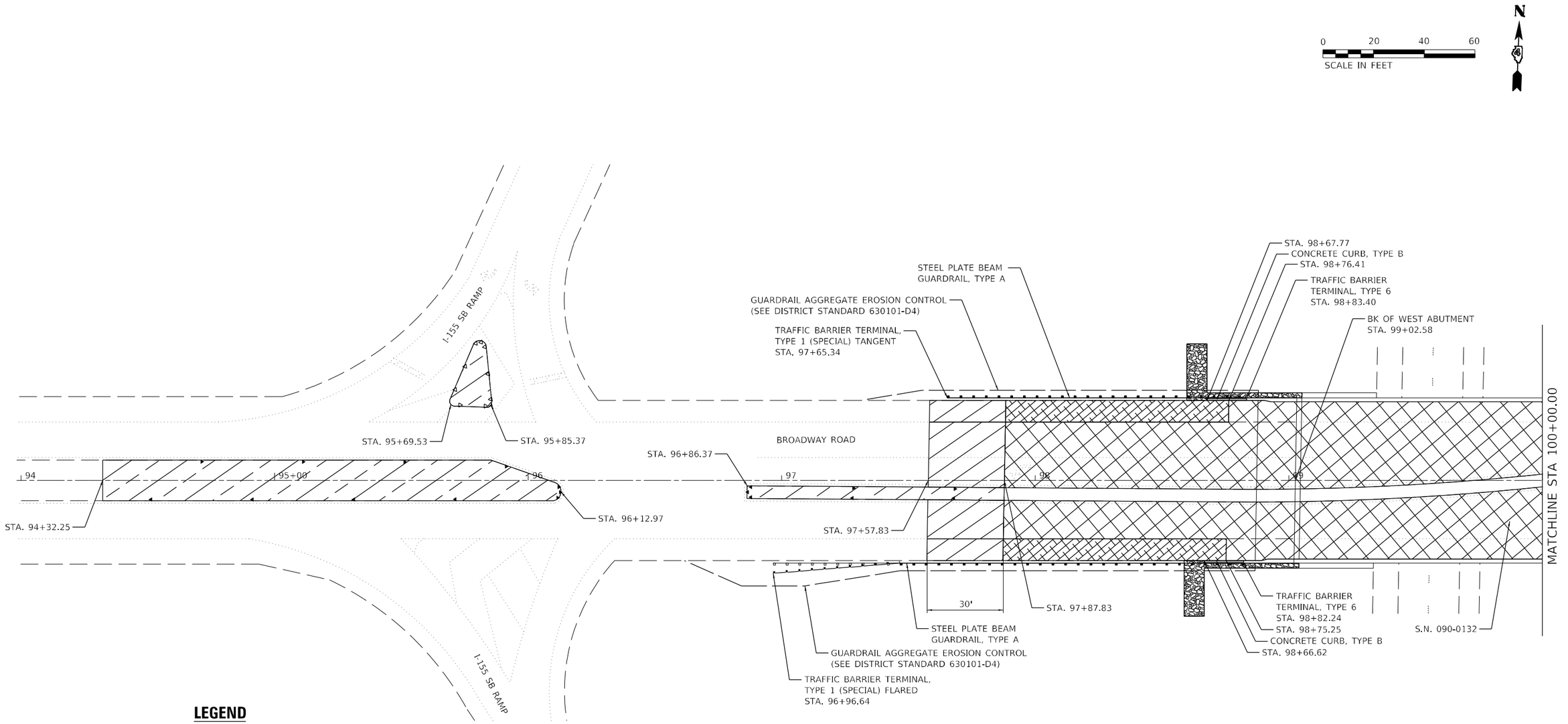
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090–0130

SCALE: 1" = 20' | SHEET 2 OF 9 SHEETS | STA. 20+00.00 TO STA. 25+88.08

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	28
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- PROPOSED BRIDGE DECK SCARIFICATION 3/4"
  BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- HMA PAVEMENT - SEE BUTT JOINT DETAILS
- HMA SHOULDER, 2 1/2"
- CONCRETE MEDIAN, TYPE SB-6.06
- STONE DUMPED RIPRAP - CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-plan3.dgn

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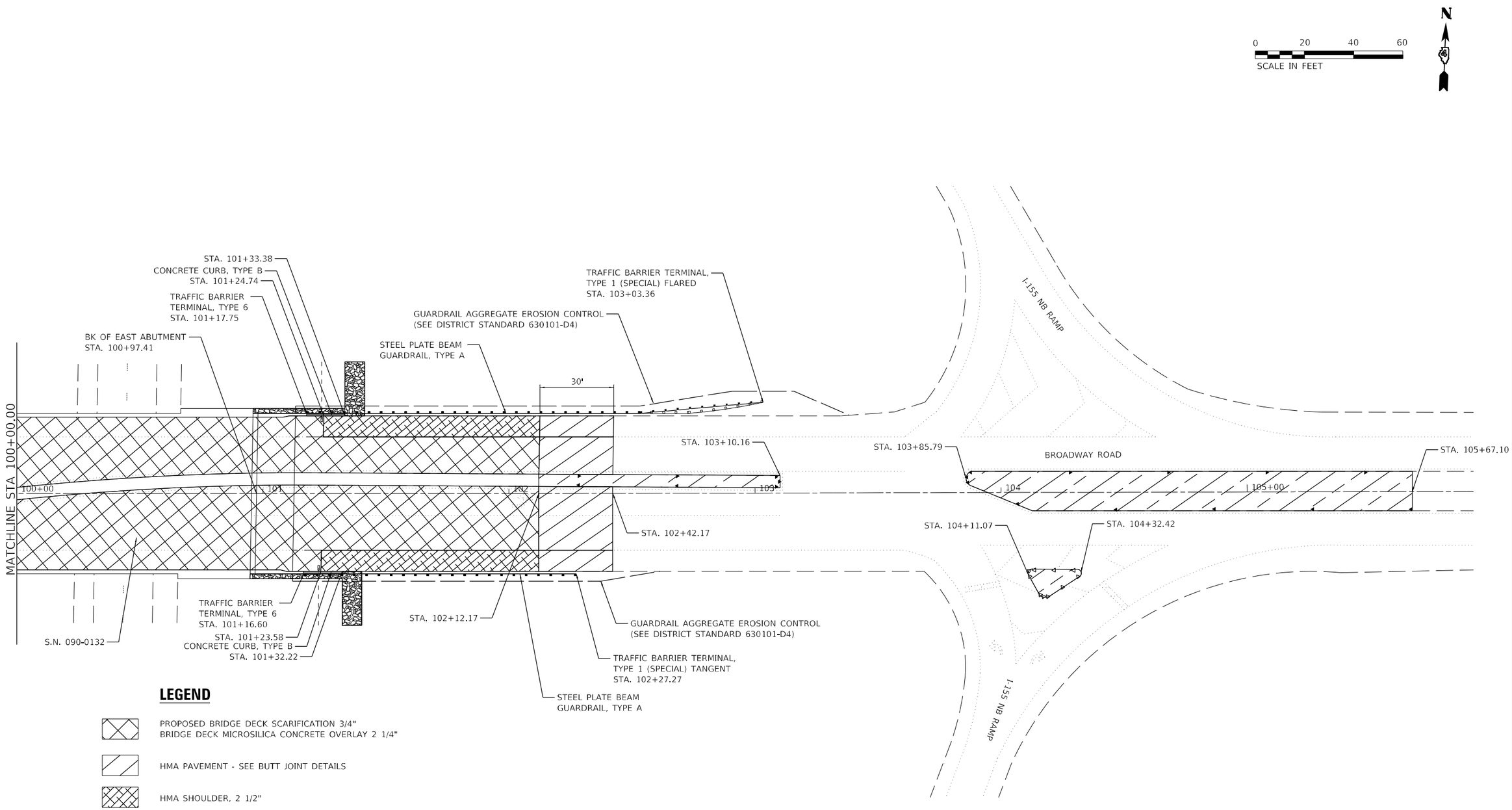
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090-0132

SCALE: 1" = 20' | SHEET 3 OF 9 SHEETS | STA. 94+32.25 TO STA. 100+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	29
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- PROPOSED BRIDGE DECK SCARIFICATION 3/4"
  BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- HMA PAVEMENT - SEE BUTT JOINT DETAILS
- HMA SHOULDER, 2 1/2"
- CONCRETE MEDIAN, TYPE SB-6.06
- STONE DUMPED RIPRAP - CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\0468H71-sht-4bs14.dgn

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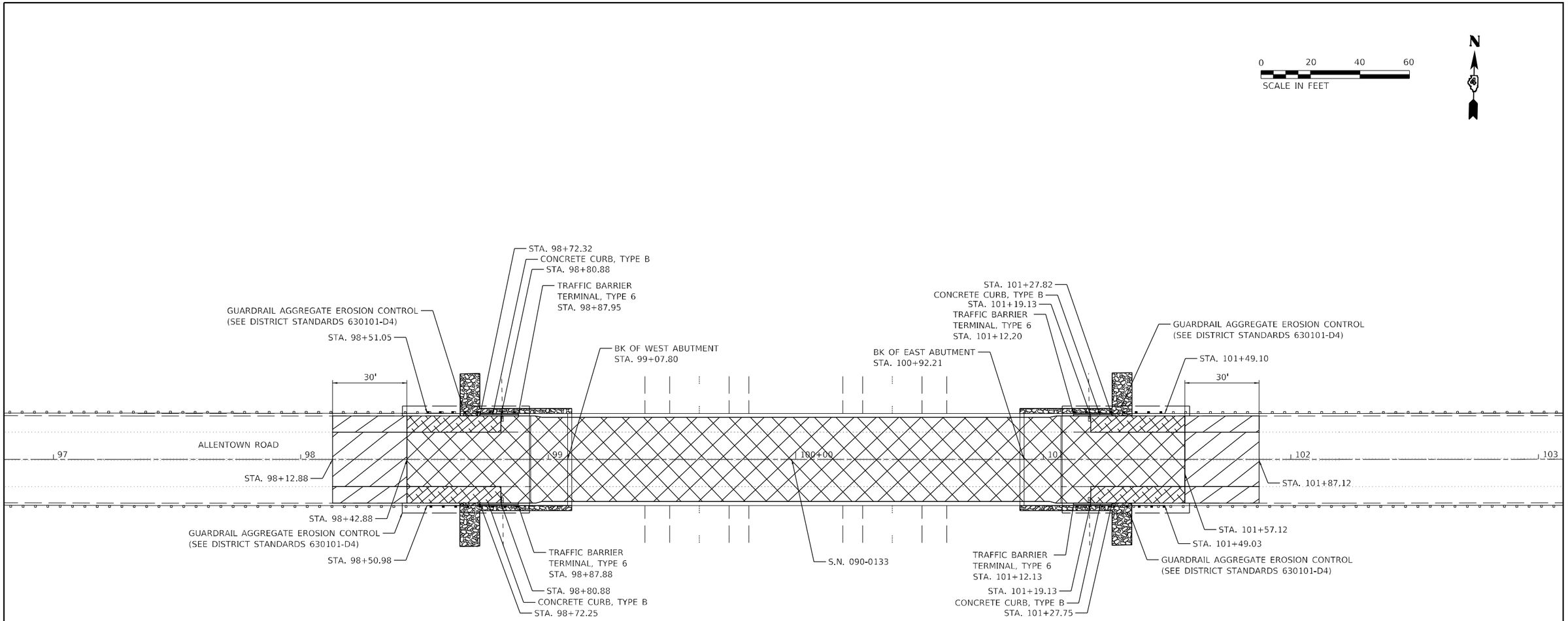
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090–0132

SCALE: 1" = 20' | SHEET 4 OF 9 SHEETS | STA. 100+00.00 TO STA. 105+67.10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	30
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PROPOSED BRIDGE DECK SCARIFICATION 3/4"
  BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- HMA PAVEMENT - SEE BUTT JOINT DETAILS
- HMA SHOULDER, 2 1/2"
- CONCRETE MEDIAN, TYPE SB-6.06
- STONE DUMPED RIPRAP - CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 W02 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-pln-s.dgn

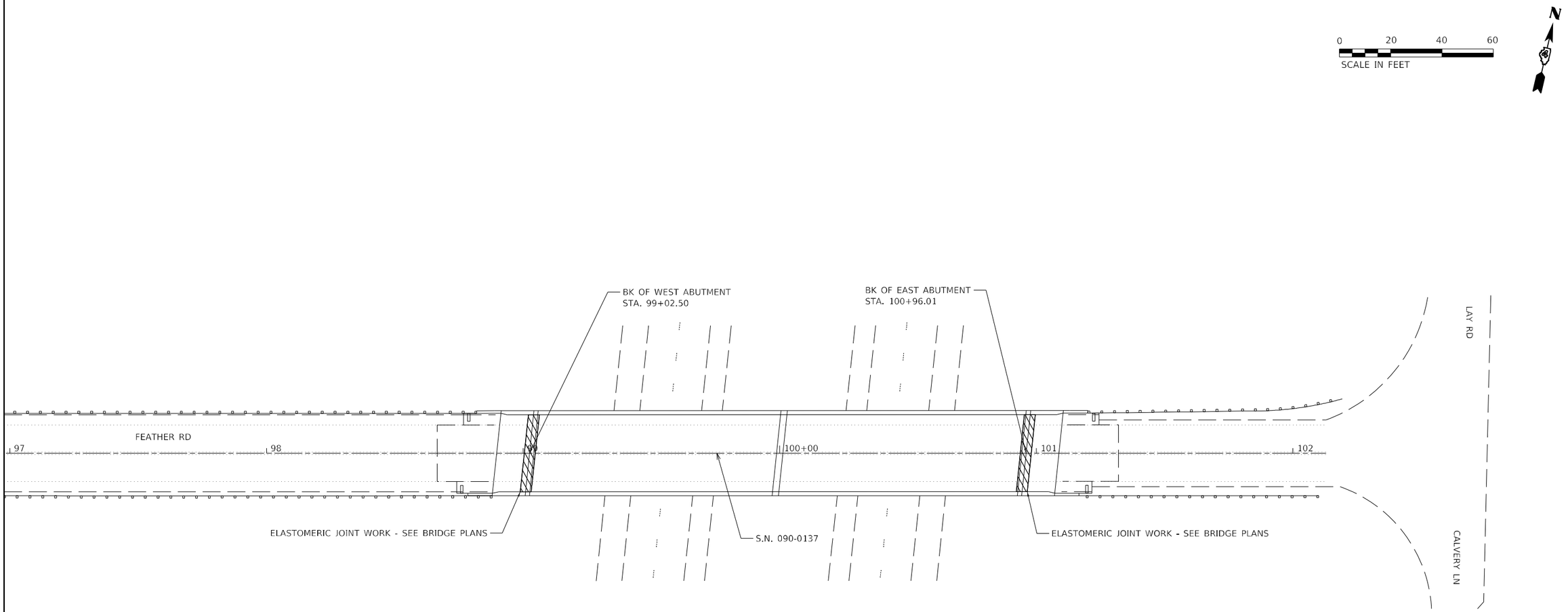
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090–0133

SCALE: 1" = 20' | SHEET 5 OF 9 SHEETS | STA. 98+12.88 TO STA. 101+87.12

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	31
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

PROPOSED BRIDGE DECK SCARIFICATION 3/4"
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"

HMA PAVEMENT - SEE BUTT JOINT DETAILS

HMA SHOULDER, 2 1/2"

CONCRETE MEDIAN, TYPE SB-6.06

STONE DUMPED RIPRAP - CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71-sht-pln16.dgn

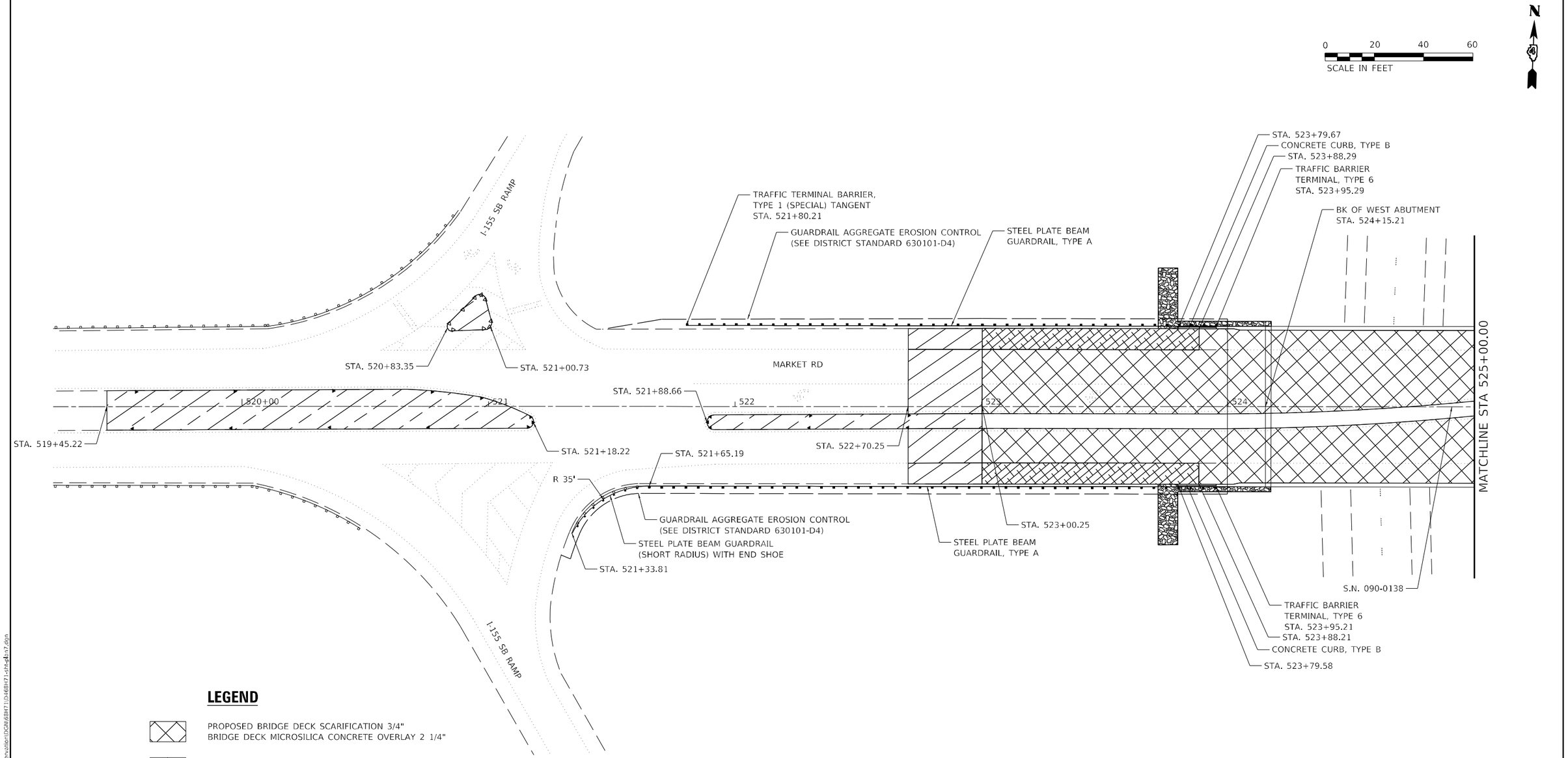
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090–0137

SCALE: 1" = 20' | SHEET 6 OF 9 SHEETS | STA. 99+00.50 | TO STA. 100+98.01

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	32
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- PROPOSED BRIDGE DECK SCARIFICATION 3/4"
  BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- HMA PAVEMENT - SEE BUTT JOINT DETAILS
- HMA SHOULDER, 2 1/2"
- CONCRETE MEDIAN, TYPE SB-6.06
- STONE DUMPED RIPRAP - CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71-sht-pln17.dgn

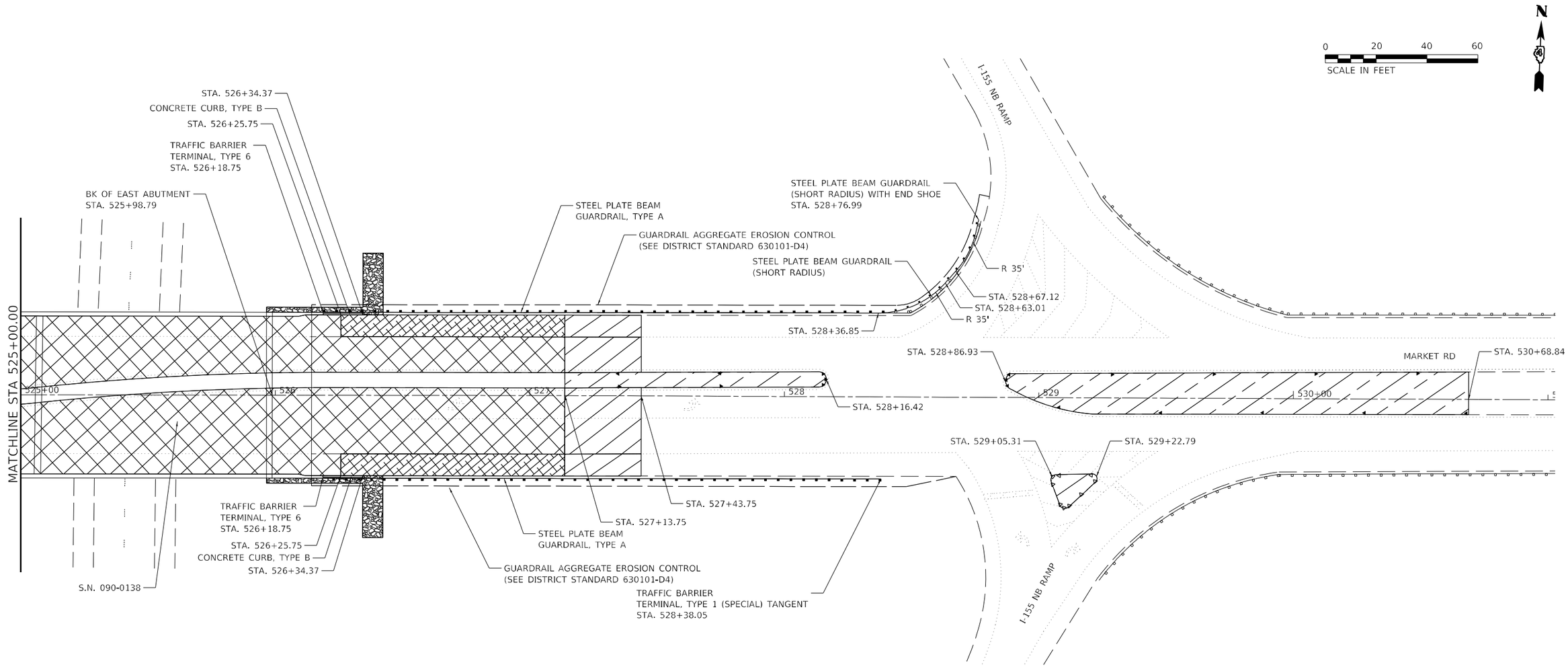
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090–0138

SCALE: 1" = 20' | SHEET 7 OF 9 SHEETS | STA. 519+45.22 TO STA. 525+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	33
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- PROPOSED BRIDGE DECK SCARIFICATION 3/4"
  BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- HMA PAVEMENT - SEE BUTT JOINT DETAILS
- HMA SHOULDER, 2 1/2"
- CONCRETE MEDIAN, TYPE SB-6.06
- STONE DUMPED RIPRAP - CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-dtl-18.dgn

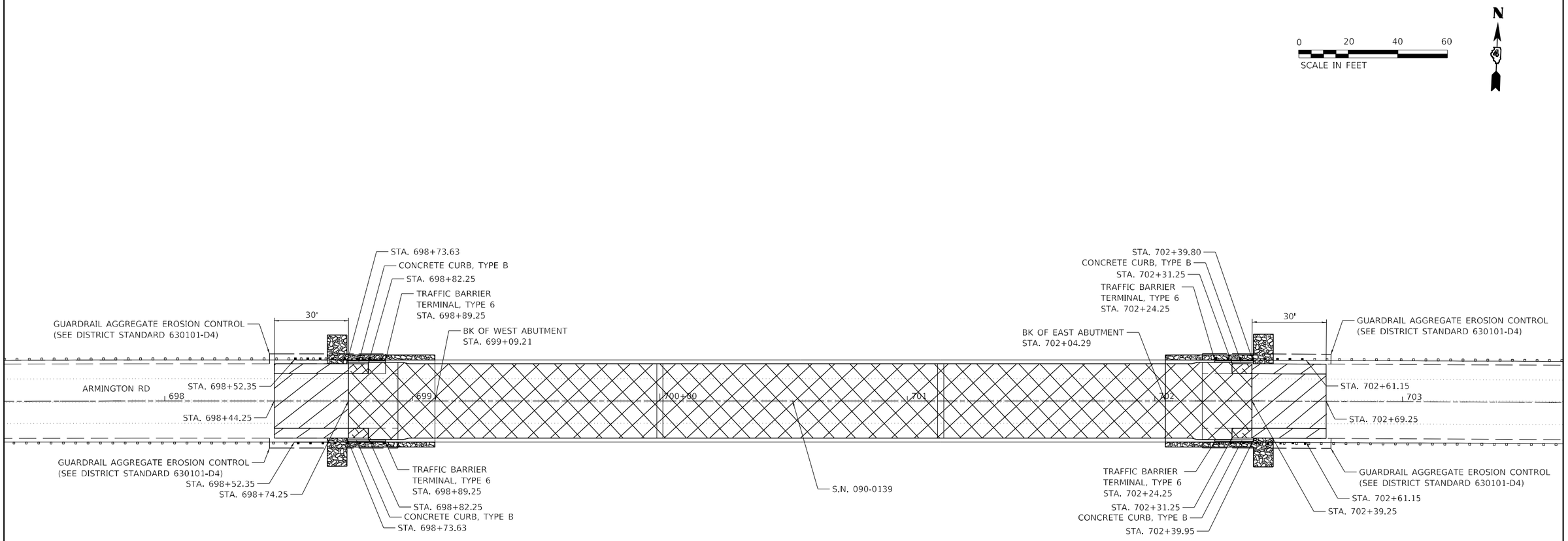
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090–0138

SCALE: 1" = 20' | SHEET 8 OF 9 SHEETS | STA. 525+00.00 TO STA. 530+68.84

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	34
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

PROPOSED BRIDGE DECK SCARIFICATION 3/4"
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"

HMA PAVEMENT - SEE BUTT JOINT DETAILS

HMA SHOULDER, 2 1/2"

CONCRETE MEDIAN, TYPE SB-6.06

STONE DUMPED RIPRAP - CLASS B3 - SEE DETAIL SHEET

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71-sht-plan-s9.dgn

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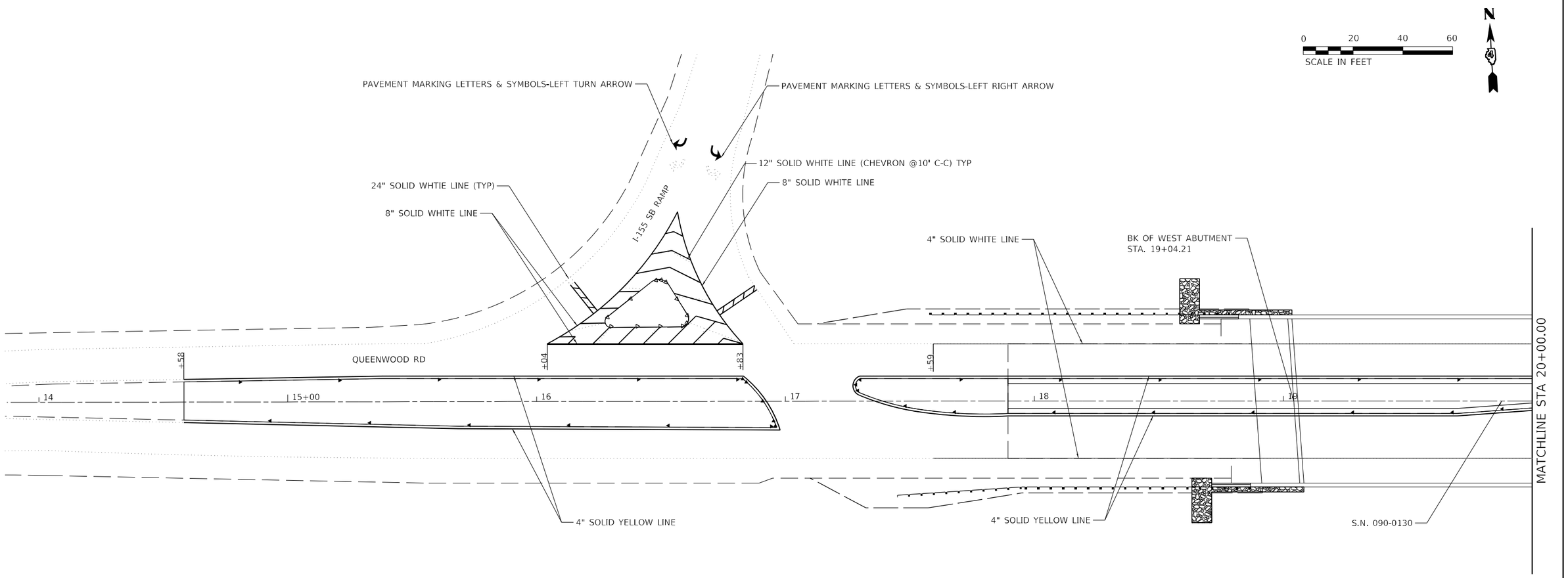
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
S.N. 090-0139

SCALE: 1" = 20' | SHEET 9 OF 9 SHEETS | STA. 698+44.25 | TO STA. 702+69.25

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	35
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- ▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS
- ▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 W02 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-pmk.dgn

USER NAME = ssoto	DESIGNED - SMS	REVISED -	
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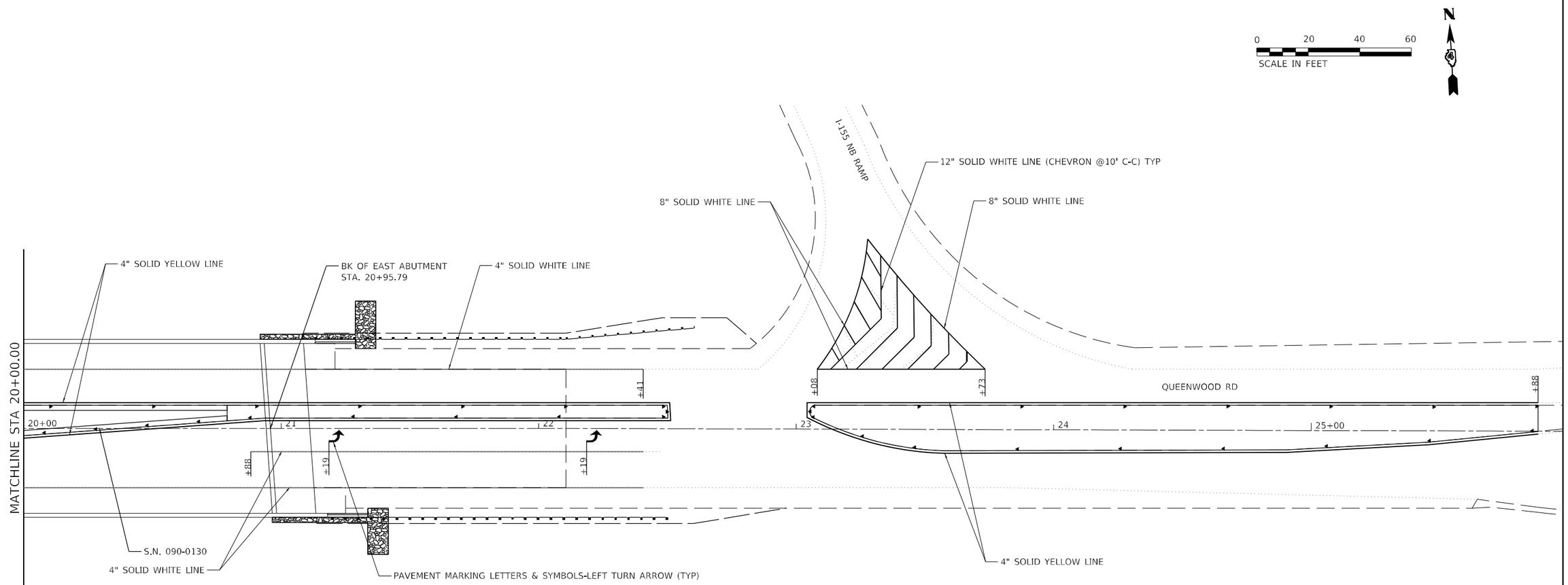
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090–0130

SCALE: 1" = 20' | SHEET 1 OF 8 SHEETS | STA. 14+58 TO STA. 20+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	36
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- ▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS
- ▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 W02 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-pmk2.dgn

USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090–0130

SCALE: 1" = 20' | SHEET 2 OF 8 SHEETS | STA. 20+00 | TO STA. 25+88

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	37
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

N

0 20 40 60
SCALE IN FEET

PAVEMENT MARKING LETTERS & SYMBOLS-LEFT TURN ARROW

PAVEMENT MARKING LETTERS & SYMBOLS-LEFT RIGHT ARROW

24" SOLID WHTIE LINE (TYP)

12" SOLID WHITE LINE (CHEVRON @10' C-C) TYP

4" SOLID YELLOW LINE

8" SOLID WHITE LINE

I-155 SB RAMP

4" SOLID YELLOW LINE

4" SOLID WHITE LINE

BK OF WEST ABUTMENT
STA. 99+02.58

±32

±37

±03

±58

±98

94

95+00

96

97

98

99

BROADWAY ROAD

MATCHLINE STA 100+00.00

±50

±12

8" SOLID WHITE LINE

I-155 SB RAMP

8" SOLID WHITE LINE

12" SOLID WHITE LINE (CHEVRON @10' C-C) TYP

PAVEMENT MARKING LETTERS & SYMBOLS-LEFT TURN ARROW (TYP)

4" SOLID WHITE LINE

S.N. 090-0132

LEGEND

▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS

▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-pmk3.dgn

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PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090–0132

SCALE: 1" = 20' | SHEET 3 OF 8 SHEETS | STA. 94+32 | TO STA. 100+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	38
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

N

0 20 40 60
SCALE IN FEET

12" SOLID WHITE LINE (CHEVRON @10' C-C) TYP
8" SOLID WHITE LINE
8" SOLID WHITE LINE
I-155 NB RAMP
4" SOLID YELLOW LINE
4" SOLID YELLOW LINE
PAVEMENT MARKING LETTERS & SYMBOLS-LEFT TURN ARROW
BK OF EAST ABUTMENT
STA. 100+97.41
MATCHLINE STA 100+00.00
100+00
101
102
103
104
105+00
BROADWAY ROAD
±43
±84
±63
±67
±01
±96
±92
±68
S.N. 090-0132
4" SOLID WHITE LINE
8" SOLID WHITE LINE
24" SOLID WHTIE LINE (TYP)
12" SOLID WHITE LINE (CHEVRON @10' C-C) TYP
8" SOLID WHITE LINE
PAVEMENT MARKING LETTERS & SYMBOLS-LEFT TURN ARROW
I-155 NB RAMP
PAVEMENT MARKING LETTERS & SYMBOLS-LEFT RIGHT ARROW

LEGEND

▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS

▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
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USER NAME = ssoto	DESIGNED - SMS	REVISED -	
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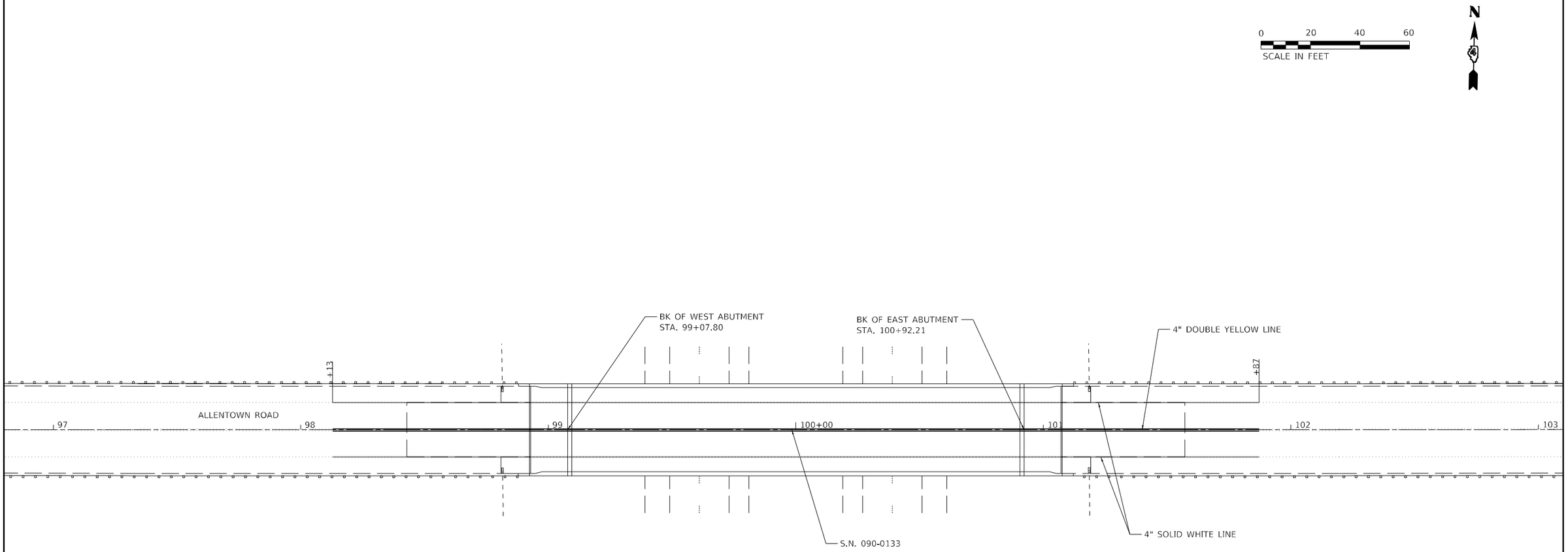
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090-0132

SCALE: 1" = 20' | SHEET 4 OF 8 SHEETS | STA. 100+00 | TO STA. 105+67

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	39
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- ▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS
- ▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Vistas Bridges Preservation\DGN\68H71\D468H71-sht-gnl5.dgn

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	DRAWN - SMS	REVISED -	
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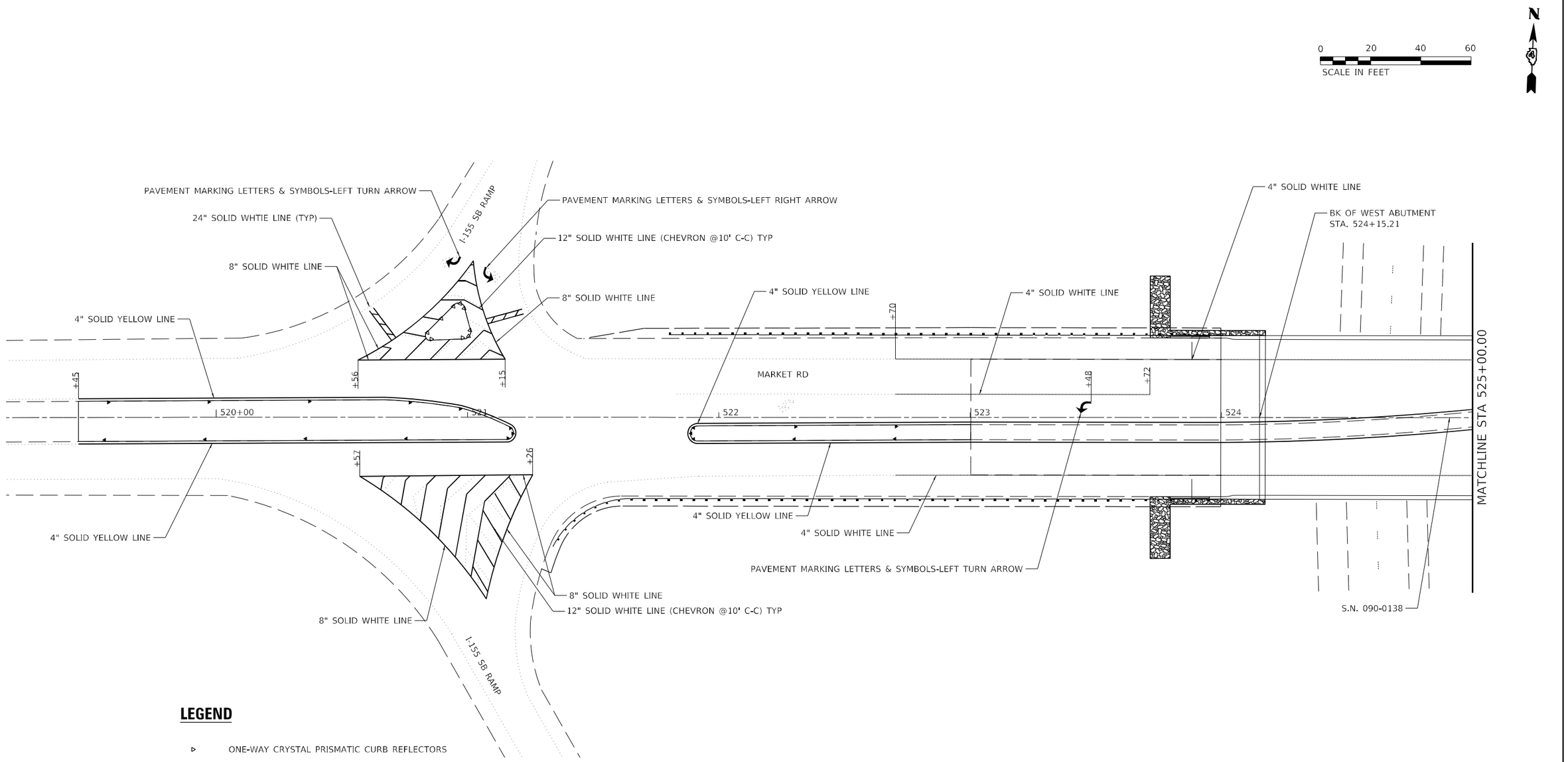
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090–0133

SCALE: 1" = 20' | SHEET 5 OF 8 SHEETS | STA. 98+13 TO STA. 101+87

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	40
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- ▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS
- ▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71-sht-pmk6.dgn

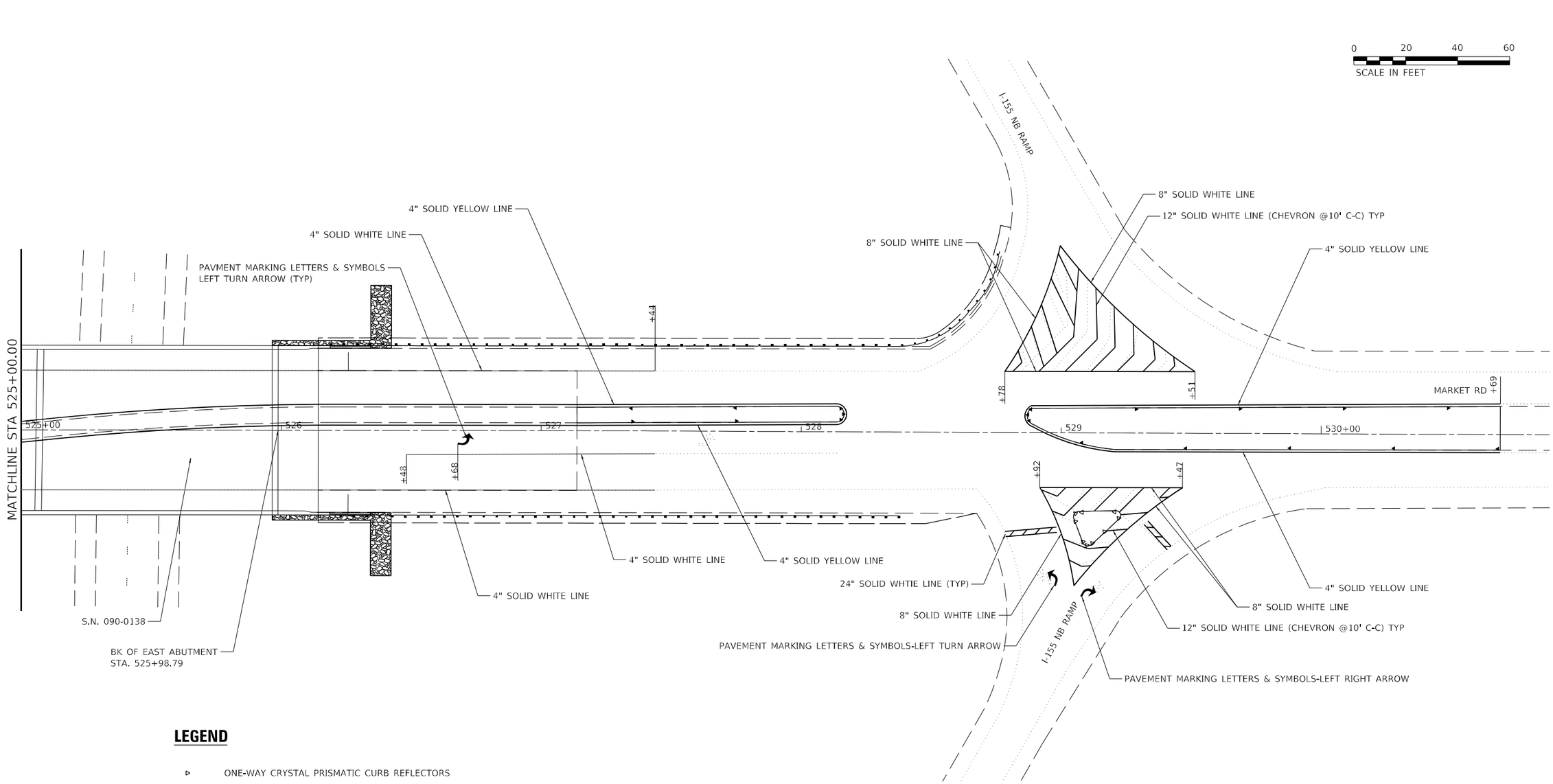
USER NAME = ssoto	DESIGNED - SMS	REVISED -
	DRAWN - SMS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090–0138

SCALE: 1" = 20' | SHEET 6 OF 8 SHEETS | STA. 519+45 TO STA. 525+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	41
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- ▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS
- ▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71-sht-pmk7.dgn

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	DRAWN - SMS	REVISED -
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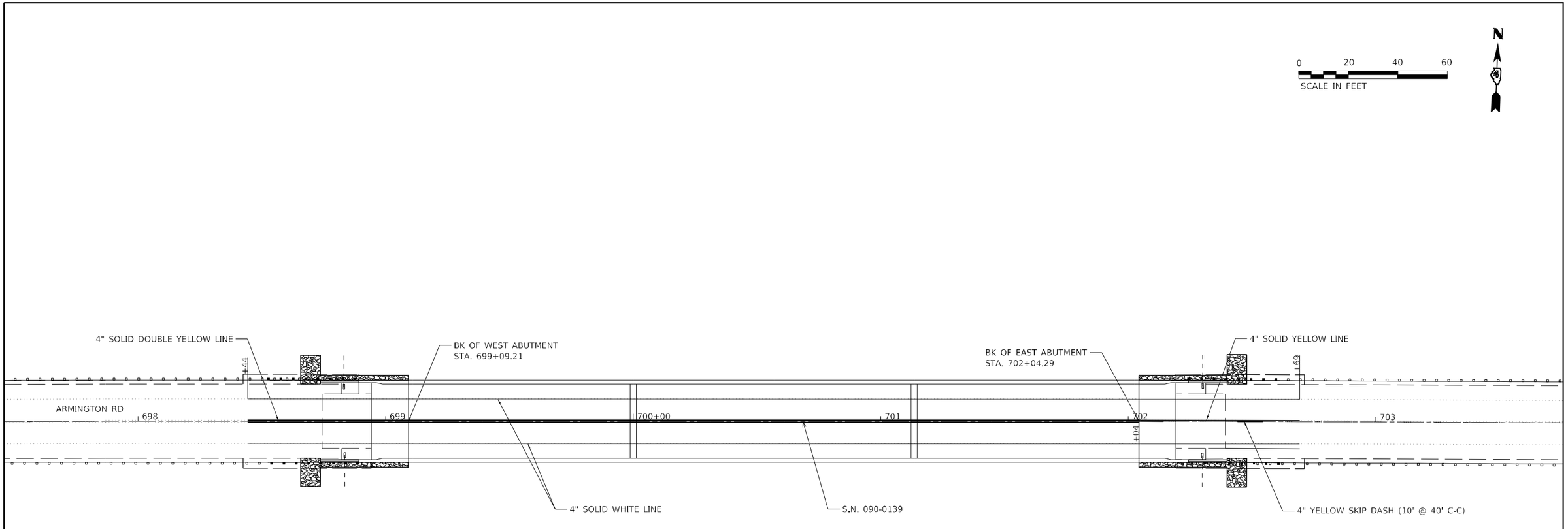
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090–0138

SCALE: 1" = 20' | SHEET 7 OF 8 SHEETS | STA. 525+00 TO STA. 530+69

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	42
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- ▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTORS
- ▸ ONE-WAY AMBER PRISMATIC CURB REFLECTORS

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-sht-gnl8.dgn

USER NAME = ssoto	DESIGNED - SMS	REVISED -	
	DRAWN - SMS	REVISED -	
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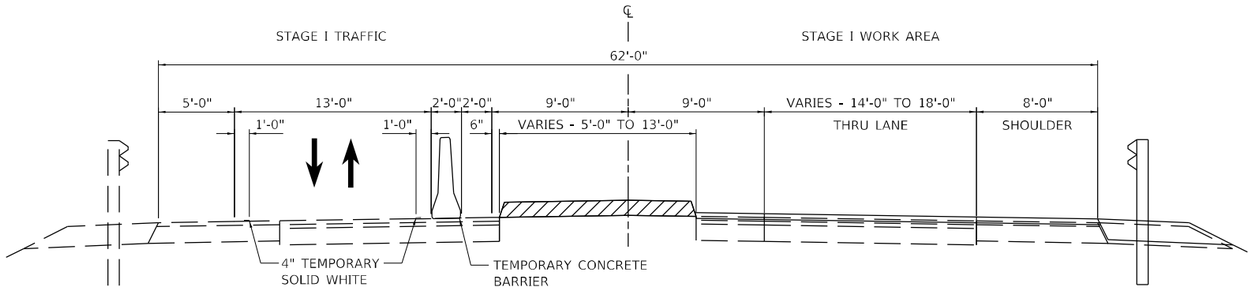
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
S.N. 090–0139

SCALE: 1" = 20' | SHEET 8 OF 8 SHEETS | STA. 698+44 | TO STA. 702+69

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	43
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



STAGE I TYPICAL SECTION

LOOKING EAST
STA. 17+59.42 TO STA. 17+89.42
STA. 22+10.58 TO STA. 22+40.58
(FOR SHOULDER, MEDIAN, AND GUARDRAIL WORK STATIONING - SEE PLANS)

*MEDIAN REPLACEMENT VARIES IN WIDTH - SEE PLAN FOR DETAILS.

STAGE CONSTRUCTION NOTES

PRE-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

PRE-STAGE CONSTRUCTION
REMOVE EXISTING MEDIAN & PLACE TEMPORARY PAVEMENT TO LIMITS SHOWN ON PLANS. SEE DETAIL BELOW, SPECIAL PROVISIONS, & MIX DESIGN.

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

STAGE I CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE EASTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS. COMPLETE STRUCTURE 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 (SPECIAL) AND AS DETAILED IN THE STAGING TYPICAL AND TRAFFIC STAGING PLANS.

STAGE II CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE WESTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS. COMPLETE STRUCTURE REPAIRS AS DETAILED IN THE BRIDGE PLANS.

POST-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

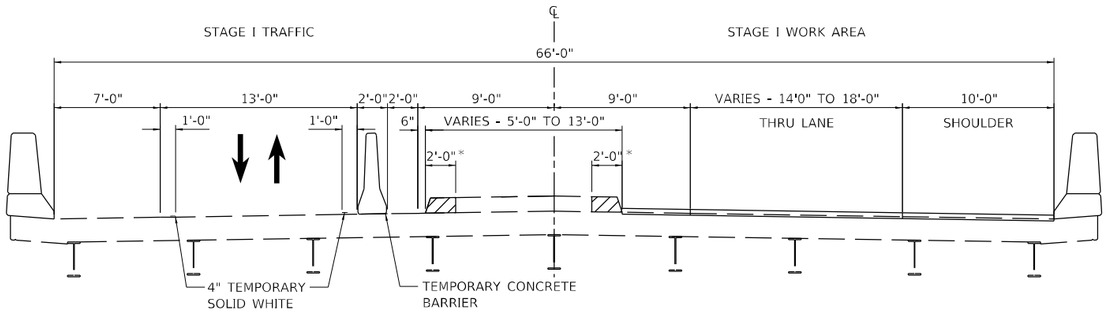
POST-STAGE CONSTRUCTION
REMOVE TEMPORARY PAVEMENT. CONSTRUCT CONCRETE MEDIAN TYPE SB-6.06. SEE DETAIL BELOW. SEE HIGHWAY STANDARD 606301.

ADDITIONAL STAGING NOTES
FOR PROTECTIVE SHIELD (PERMANENT) WORK, HIGHWAY STANDARDS 701400, 701402, AND 701411 SHALL BE USED ON I-155.

CONDUCT WORKSITE CLEANUP AND PLACE FINAL PAVEMENT MARKINGS USING HIGHWAY STANDARD 701311 FOR TRAFFIC CONTROL.

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

STAGING DETAILS ARE SUBJECT TO CHANGE DUE TO EXISTING FIELD CONDITIONS.

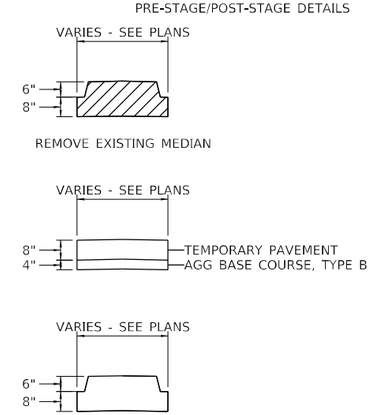


STAGE I TYPICAL SECTION

LOOKING EAST
S.N. 090-0130

*MEDIAN REPLACEMENT VARIES IN WIDTH - SEE PLAN FOR DETAILS.

PRE-STAGE/POST-STAGE DETAILS



HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
HR # 192-2330
www hurst-rosche.com

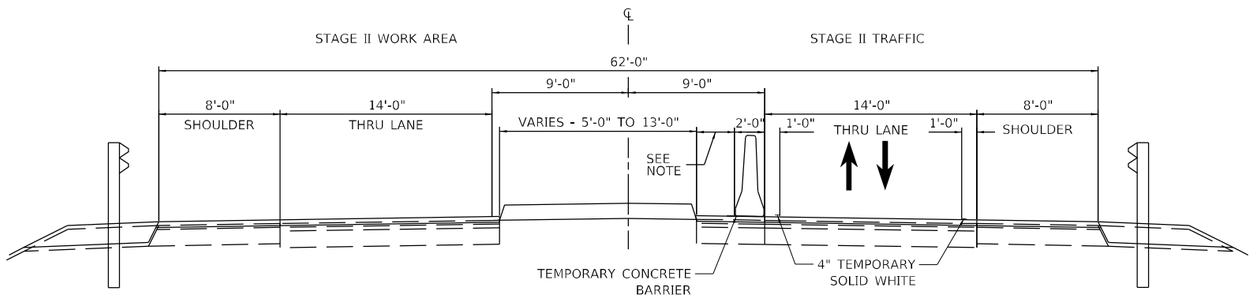
USER NAME = ssoto	DESIGNED - KYH	REVISED -
	DRAWN - KYH	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS
S.N. 090-0130

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	44
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



STAGE II TYPICAL SECTION

LOOKING EAST
STA. 17+59.42 TO STA. 17+89.42
STA. 22+10.58 TO STA. 22+40.58
(FOR SHOULDER, MEDIAN, AND GUARDRAIL WORK STATIONING - SEE PLANS)

NOTE: DISTANCE BETWEEN TEMPORARY CONCRETE BARRIER AND MEDIAN VARIES.

STAGE CONSTRUCTION NOTES

PRE-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

PRE-STAGE CONSTRUCTION
REMOVE EXISTING MEDIAN & PLACE TEMPORARY PAVEMENT TO LIMITS SHOWN ON PLANS. SEE DETAIL BELOW, SPECIAL PROVISIONS, & MIX DESIGN.

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

STAGE I CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE EASTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS. COMPLETE STRUCTURE 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 (SPECIAL) AND AS DETAILED IN THE STAGING TYPICAL AND TRAFFIC STAGING PLANS.

STAGE II CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE WESTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS. COMPLETE STRUCTURE REPAIRS AS DETAILED IN THE BRIDGE PLANS.

POST-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

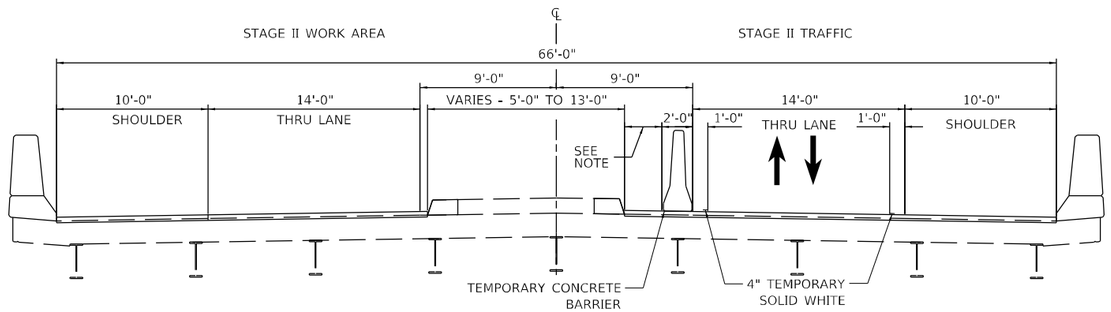
POST-STAGE CONSTRUCTION
REMOVE TEMPORARY PAVEMENT. CONSTRUCT CONCRETE MEDIAN TYPE SB-6.06. SEE DETAIL BELOW. SEE HIGHWAY STANDARD 606301.

ADDITIONAL STAGING NOTES
FOR PROTECTIVE SHIELD (PERMANENT) WORK, HIGHWAY STANDARDS 701400, 701402, AND 701411 SHALL BE USED ON I-155.

CONDUCT WORKSITE CLEANUP AND PLACE FINAL PAVEMENT MARKINGS USING HIGHWAY STANDARD 701311 FOR TRAFFIC CONTROL.

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

STAGING DETAILS ARE SUBJECT TO CHANGE DUE TO EXISTING FIELD CONDITIONS.

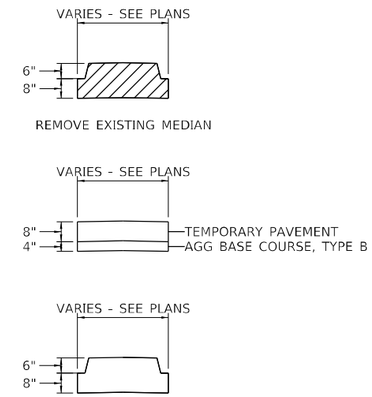


STAGE II TYPICAL SECTION

LOOKING EAST
S.N. 090-0130

NOTE: DISTANCE BETWEEN TEMPORARY CONCRETE BARRIER AND MEDIAN VARIES.

PRE-STAGE/POST-STAGE DETAILS



HURST-ROSCHE, INC.
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PHONE (217)532-3959
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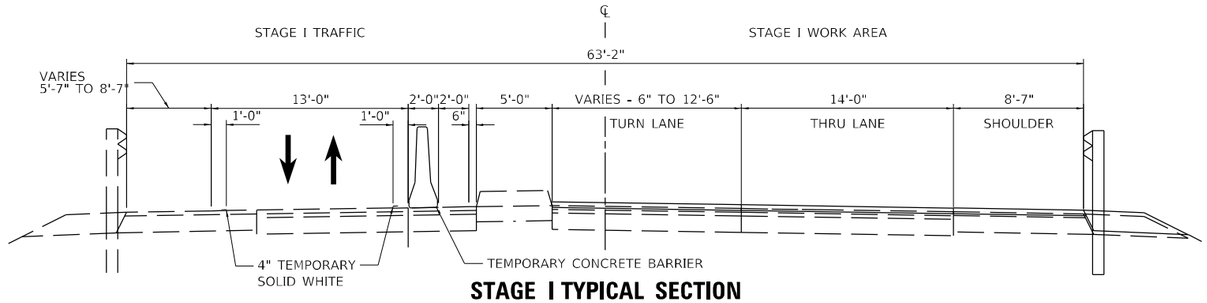
USER NAME = ssoto	DESIGNED - KYH	REVISED -	
	DRAWN - KYH	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - JJC	REVISED -	
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS
S.N. 090-0130

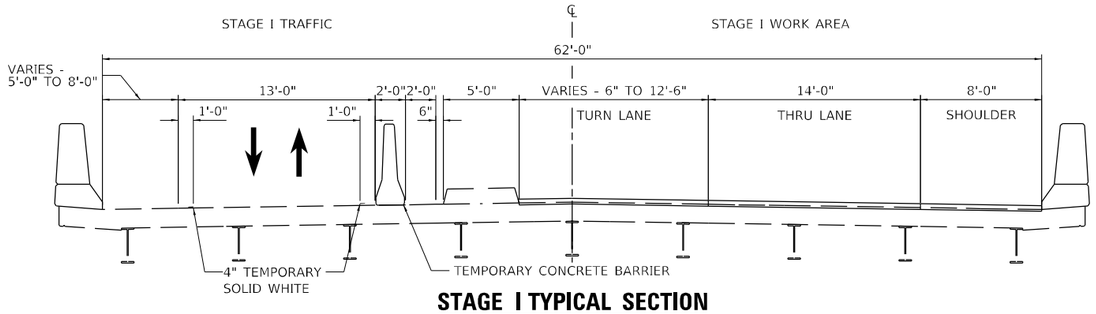
SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	45
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



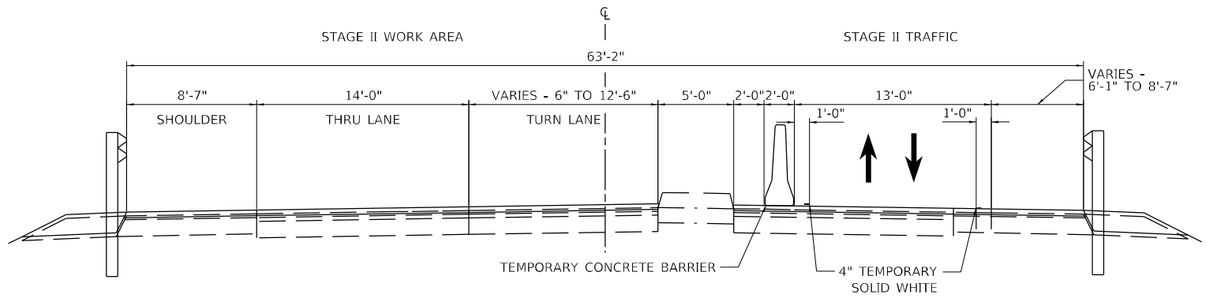
STAGE I TYPICAL SECTION

LOOKING EAST
STA. 97+57.83 TO STA. 97+87.83
STA. 102+12.17 TO STA. 102+42.17
(FOR SHOULDER, MEDIAN, AND GUARDRAIL WORK STATIONING - SEE PLANS)



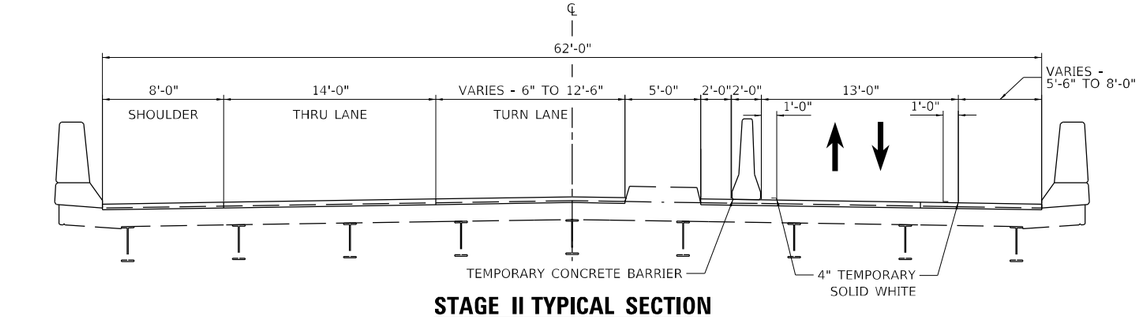
STAGE I TYPICAL SECTION

LOOKING EAST
S.N. 090-0132



STAGE II TYPICAL SECTION

LOOKING EAST
STA. 97+57.83 TO STA. 97+87.83
STA. 102+12.17 TO STA. 102+42.17
(FOR SHOULDER, MEDIAN, AND GUARDRAIL WORK STATIONING - SEE PLANS)



STAGE II TYPICAL SECTION

LOOKING EAST
S.N. 090-0132

STAGE CONSTRUCTION NOTES

PRE-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

PRE-STAGE CONSTRUCTION
REMOVE EXISTING MEDIAN & PLACE TEMPORARY PAVEMENT TO LIMITS SHOWN ON PLANS. SEE DETAIL BELOW, SPECIAL PROVISIONS, & MIX DESIGN.

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

STAGE I CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE EASTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS, COMPLETE STRUCTURE 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 (SPECIAL) AND AS DETAILED IN THE STAGING TYPICAL AND TRAFFIC STAGING PLANS.

STAGE II CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE WESTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS. COMPLETE STRUCTURE REPAIRS AS DETAILED IN THE BRIDGE PLANS.

POST-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

POST-STAGE CONSTRUCTION
REMOVE TEMPORARY PAVEMENT. CONSTRUCT CONCRETE MEDIAN TYPE SB-6.06. SEE DETAIL BELOW. SEE HIGHWAY STANDARD 606301.

ADDITIONAL STAGING NOTES
FOR PROTECTIVE SHIELD (PERMANENT) WORK, HIGHWAY STANDARDS 701400, 701402, AND 701411 SHALL BE USED ON I-155.

CONDUCT WORKSITE CLEANUP AND PLACE FINAL PAVEMENT MARKINGS USING HIGHWAY STANDARD 701311 FOR TRAFFIC CONTROL.

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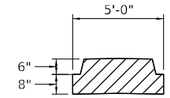
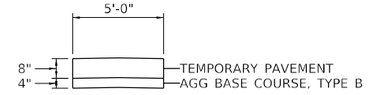
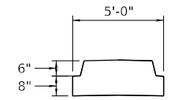
STAGING DETAILS ARE SUBJECT TO CHANGE DUE TO EXISTING FIELD CONDITIONS.

PRE-STAGE/POST-STAGE DETAILS



REMOVE EXISTING MEDIAN





PROPOSED CONCRETE MEDIAN
(TYPE SB-6.06)

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
HR # 192-2330
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Hurst-Rosche, Inc.

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PLOT SCALE = 10.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

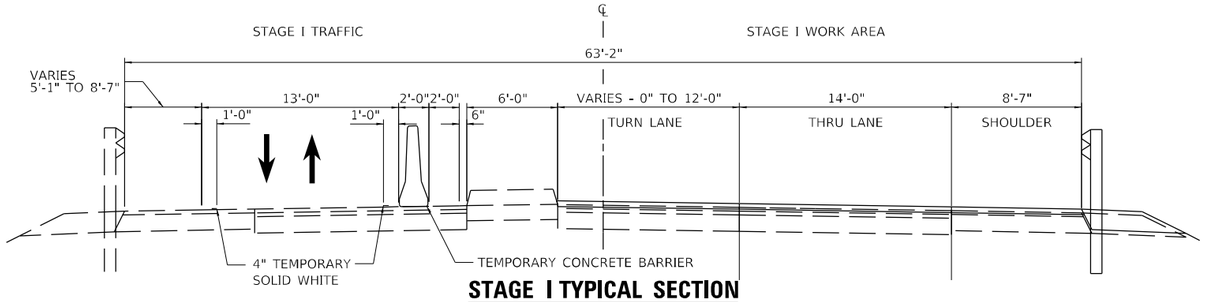
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS
S.N. 090-0132

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

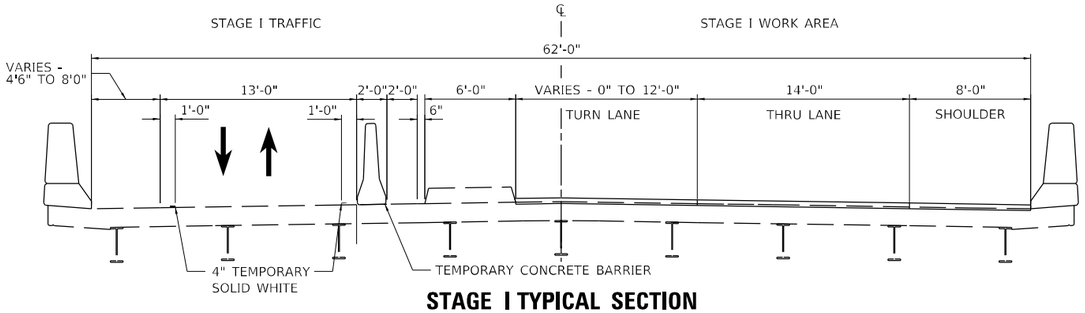
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	46
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\0468H71-sht-stagingtypicals.dgn



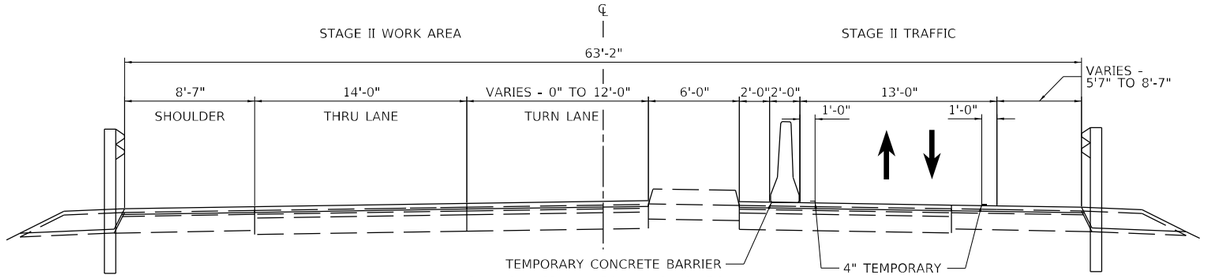
STAGE I TYPICAL SECTION

LOOKING EAST
STA. 522+70.25 TO STA. 523+00.25
STA. 527+13.75 TO STA. 527+43.75
(FOR SHOULDER, MEDIAN, AND GUARDRAIL WORK STATIONING - SEE PLANS)



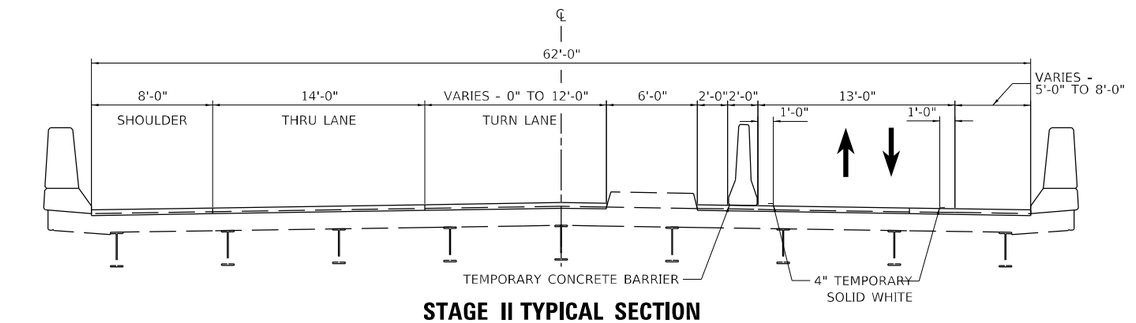
STAGE I TYPICAL SECTION

LOOKING EAST
S.N. 090-0138



STAGE II TYPICAL SECTION

LOOKING EAST
STA. 522+70.25 TO STA. 523+00.25
STA. 527+13.75 TO STA. 527+43.75
(FOR SHOULDER, MEDIAN, AND GUARDRAIL WORK STATIONING - SEE PLANS)



STAGE II TYPICAL SECTION

LOOKING EAST
S.N. 090-0138

STAGE CONSTRUCTION NOTES

PRE-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

PRE-STAGE CONSTRUCTION
REMOVE EXISTING MEDIAN & PLACE TEMPORARY PAVEMENT TO LIMITS SHOWN ON PLANS. SEE DETAIL BELOW, SPECIAL PROVISIONS, & MIX DESIGN.

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

STAGE I CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE EASTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS. COMPLETE STRUCTURE 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 (SPECIAL) AND AS DETAILED IN THE STAGING TYPICAL AND TRAFFIC STAGING PLANS.

STAGE II CONSTRUCTION
MILL PAVEMENT, SHOULDERS, BRIDGE DECK, AND APPROACH SLAB. REMOVE PIPE CULVERT, CURB, AND FRAME AND GRATES (SPECIAL) AND CONSTRUCT RIPRAP SWALE PER PROPOSED RIPRAP DETAIL. RESURFACE WESTBOUND PAVEMENT AND SHOULDERS, REMOVE AND REPLACE MEDIAN AND GUARDRAIL AS SHOWN ON PLANS. COMPLETE STRUCTURE REPAIRS AS DETAILED IN THE BRIDGE PLANS.

POST-STAGE TRAFFIC
USE HIGHWAY STANDARD 701201 FOR TRAFFIC CONTROL.

POST-STAGE CONSTRUCTION
REMOVE TEMPORARY PAVEMENT. CONSTRUCT CONCRETE MEDIAN TYPE SB-6.06. SEE DETAIL BELOW. SEE HIGHWAY STANDARD 606301.

ADDITIONAL STAGING NOTES
FOR PROTECTIVE SHIELD (PERMANENT) WORK, HIGHWAY STANDARDS 701400, 701402, AND 701411 SHALL BE USED ON I-155.

CONDUCT WORKSITE CLEANUP AND PLACE FINAL PAVEMENT MARKINGS USING HIGHWAY STANDARD 701311 FOR TRAFFIC CONTROL.

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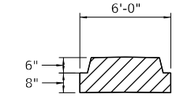
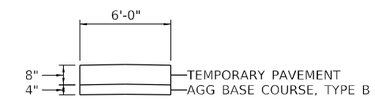
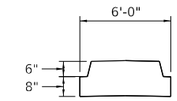
PRE-STAGE/POST-STAGE DETAILS



REMOVE EXISTING MEDIAN





PROPOSED CONCRETE MEDIAN
(TYPE SB-6.06)

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
HR # 192-2330
www hurst-rosche.com
Hurst-Rosche, Inc.

USER NAME = ssoto	DESIGNED - KYH	REVISED -
	DRAWN - KYH	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS
S.N. 090-0138

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	47
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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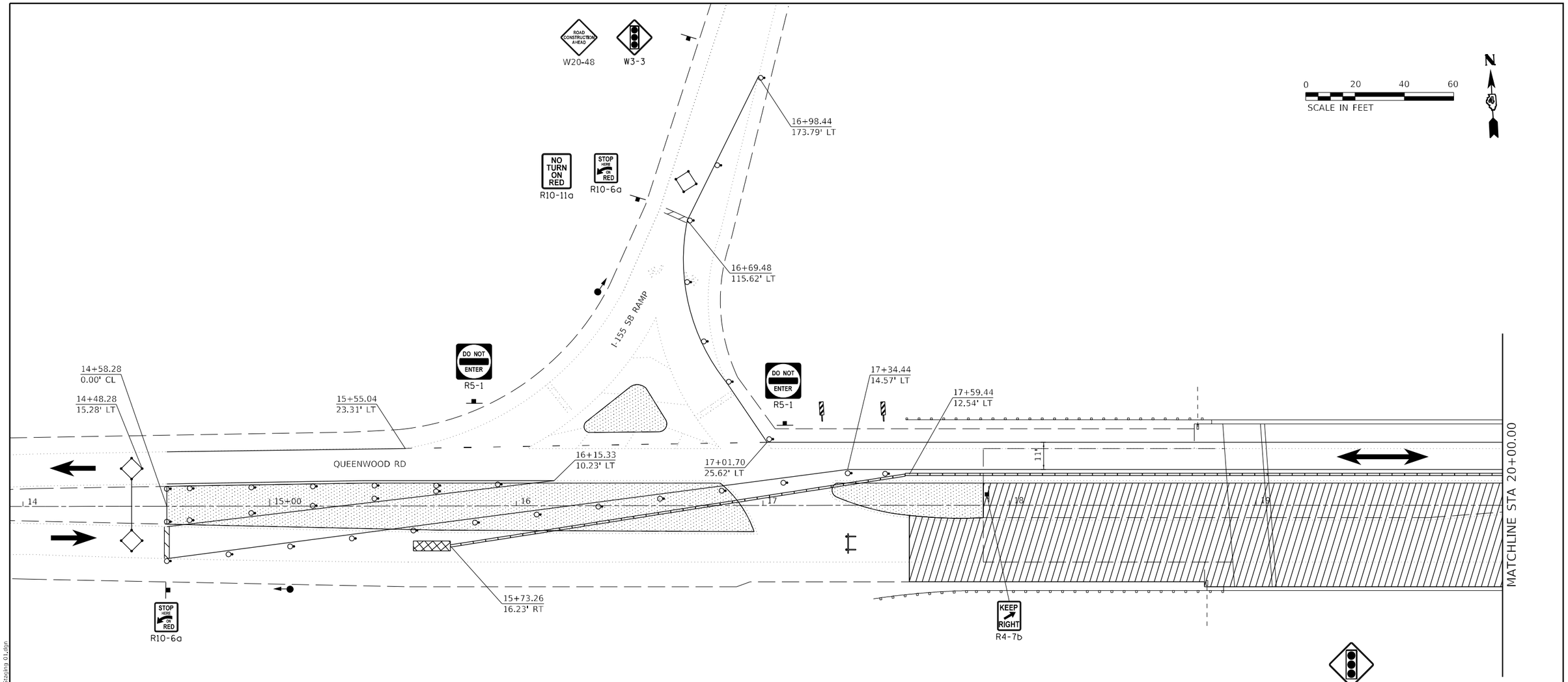
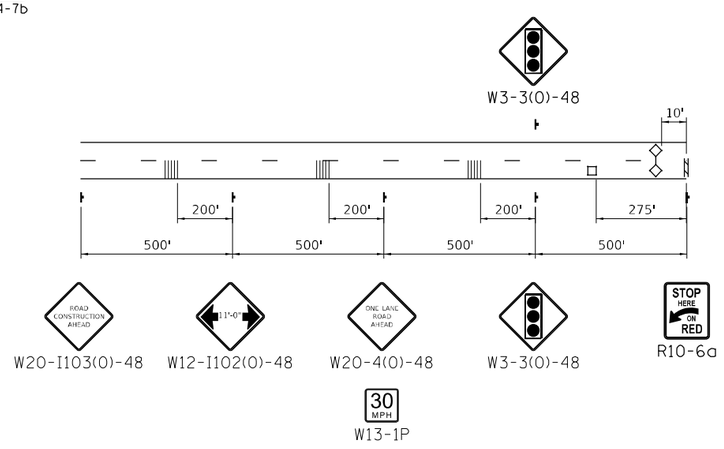


LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS



ADVANCE SIGNING

USER NAME = ssoto	DESIGNED - MLA	REVISED -	
	DRAWN - MLA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SMS	REVISED -	
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE I
S.N. 090–0130

SCALE: 1" = 20' | SHEET 1 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	48
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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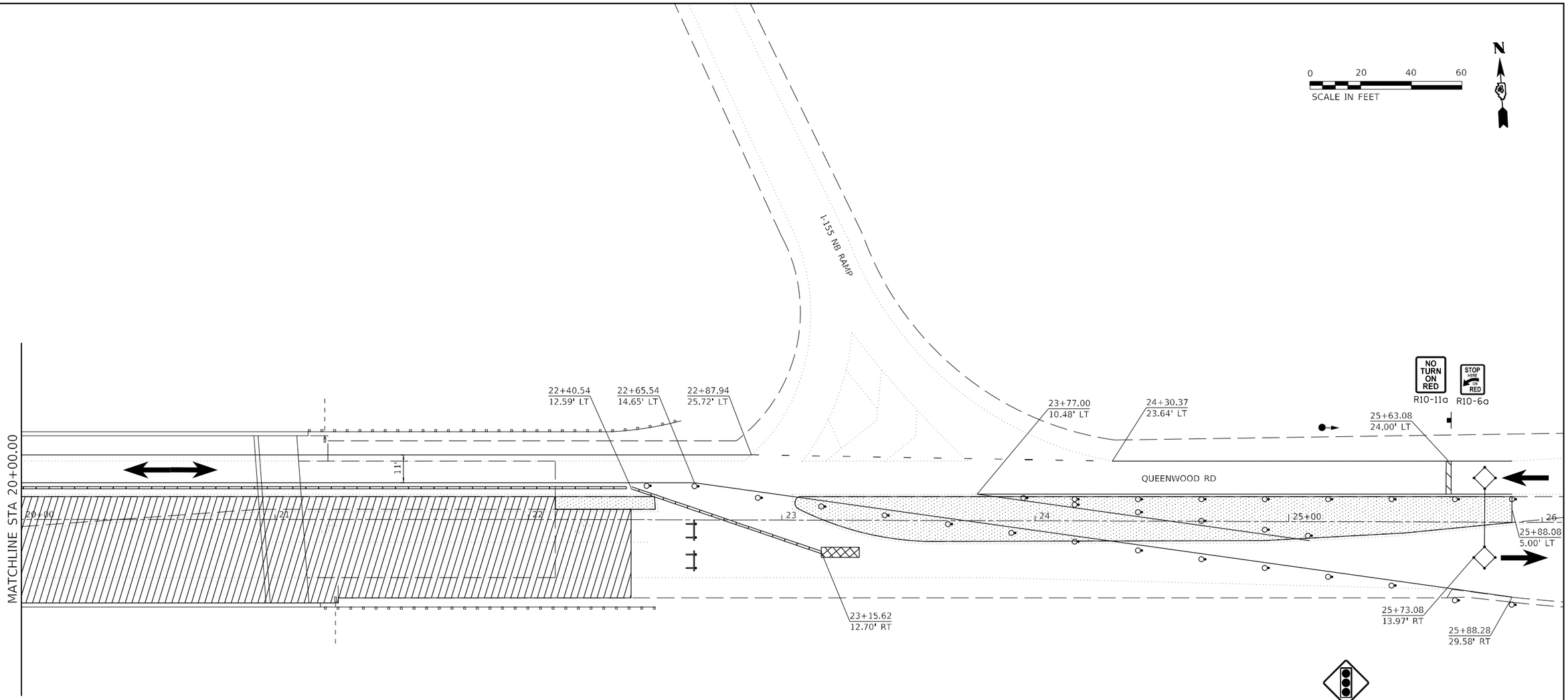
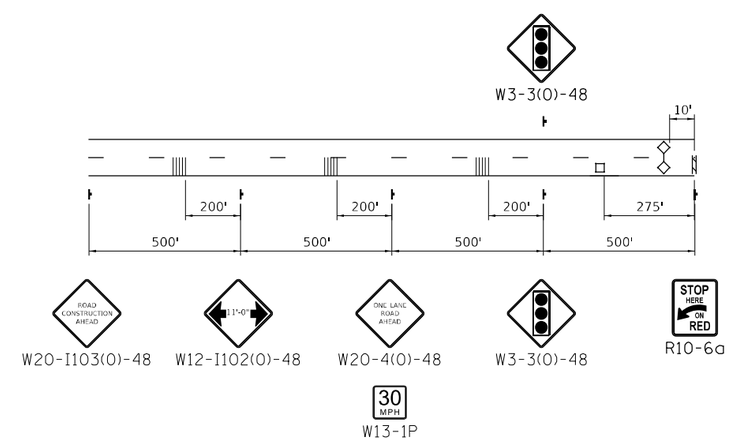


LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS



ADVANCE SIGNING

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PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE I
S.N. 090–0130

SCALE: 1" = 20' | SHEET 2 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	49
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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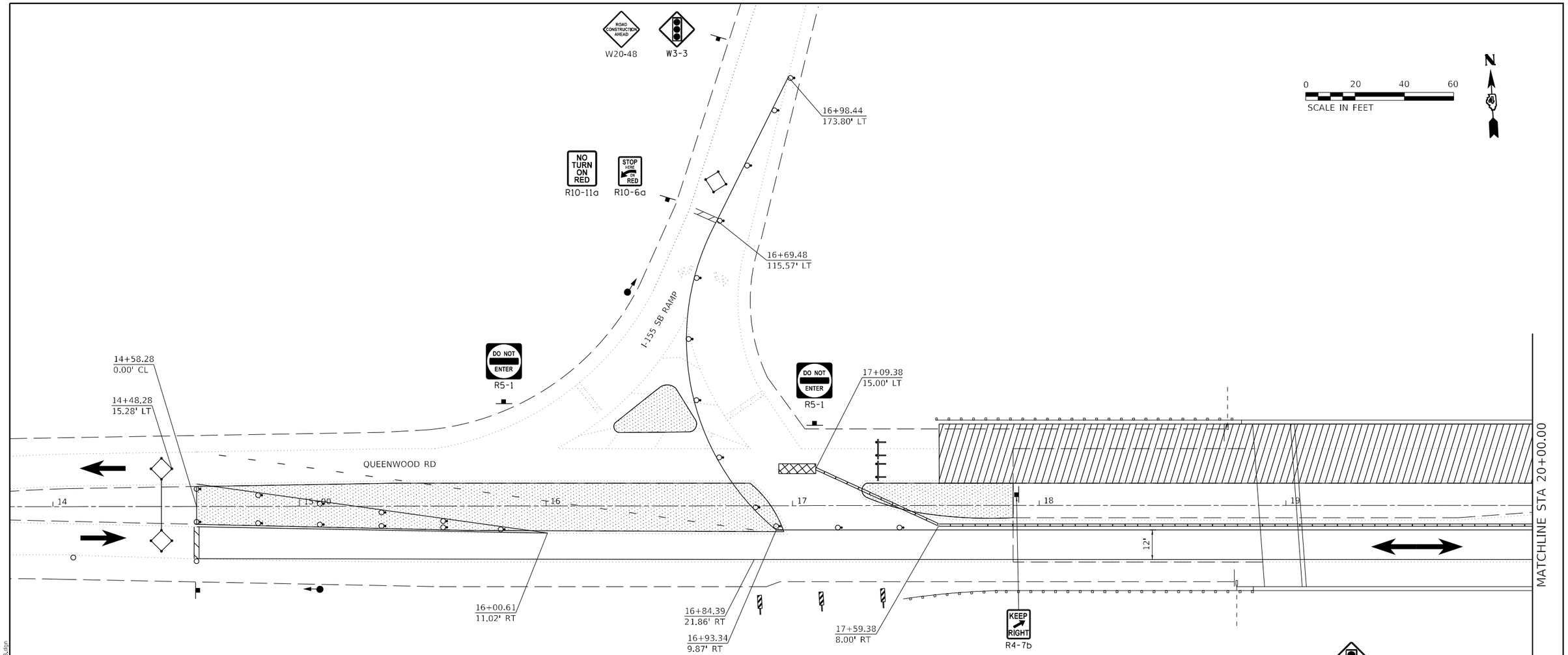
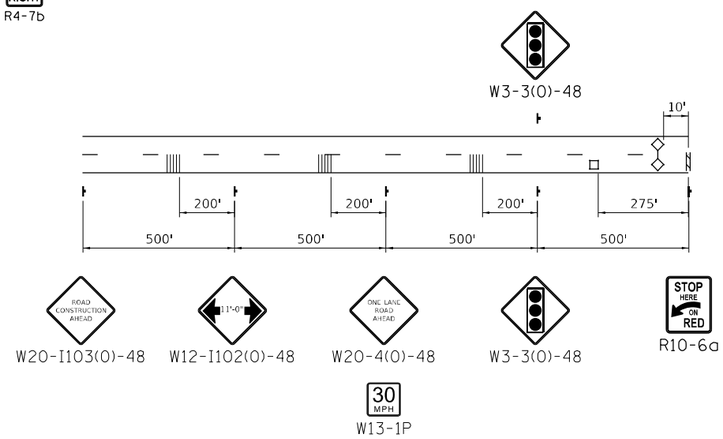


LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS



ADVANCE SIGNING

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	DRAWN - MLA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - SMS	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

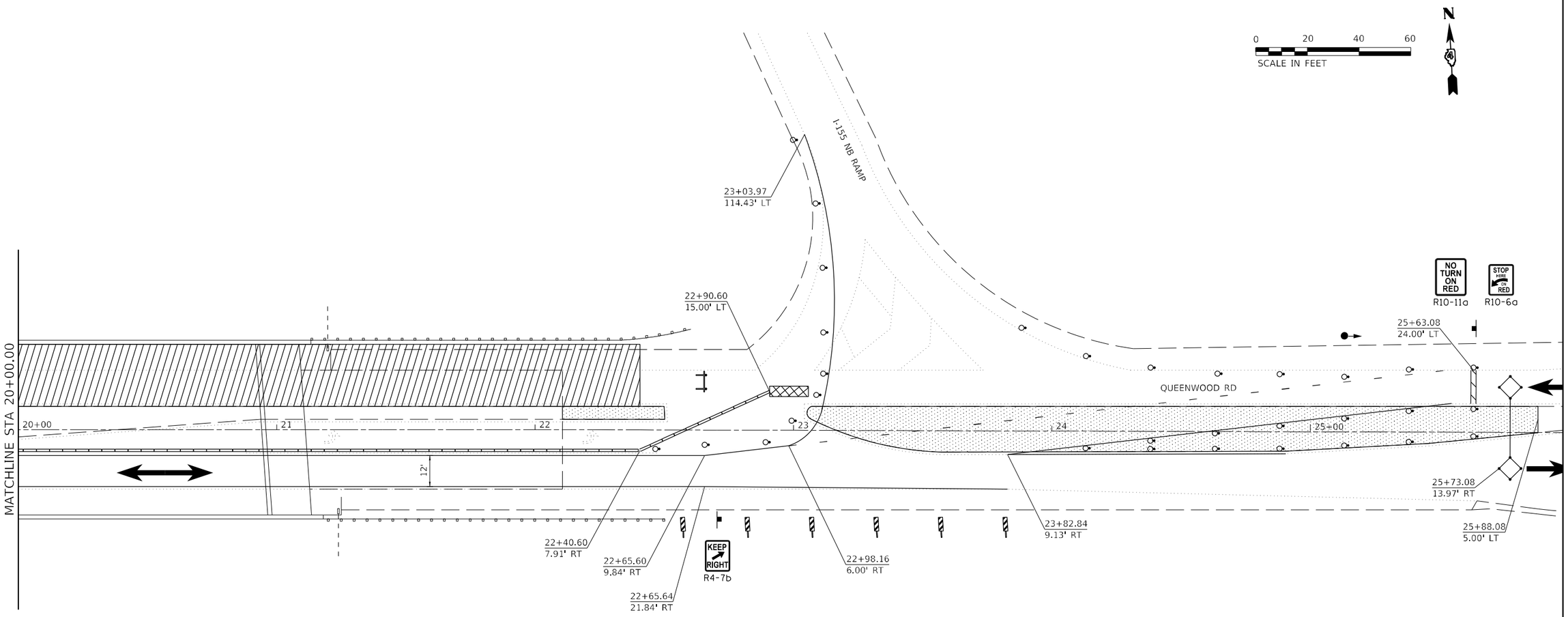
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE II
S.N. 090–0130

SCALE: 1" = 20' | SHEET 3 OF 12 SHEETS | STA. | TO STA.

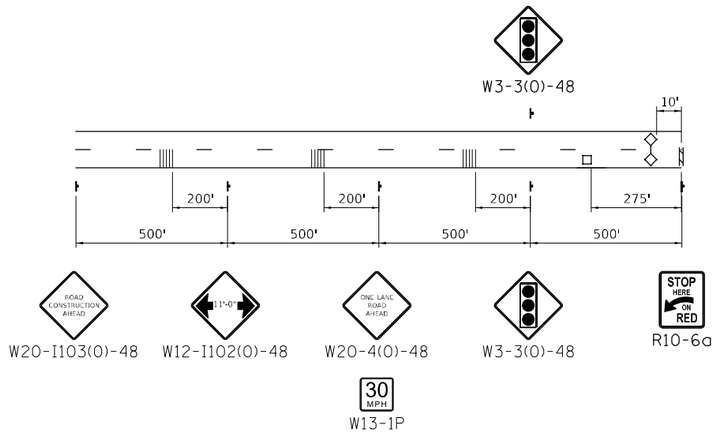
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	50
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB208-30 Various Bridges Preservation\DGN\68H71-Jnt-Staging 03.dgn



LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS



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PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE II
S.N. 090–0130

SCALE: 1" = 20' | SHEET 4 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	51
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MATCHLINE THIS SHEET

W20-48 ROAD CONSTRUCTION AHEAD

W3-3

0 20 40 60
SCALE IN FEET

N

NO TURN ON RED
R10-11a

STOP HERE ON RED
R10-6a

98+13.56
124.67' LT

96+01.01
101.97' LT

I-155 SB RAMP

DO NOT ENTER
R5-1

94+22.25
16.29' LT

94+32.25
0.00' CL

94+77.94
30.00' LT

96+34.12
9.00' LT

96+26.19
23.82' LT

97+57.25
0.69' LT

98+76.06
12.82' LT

KEEP RIGHT
R4-7b

99+00.00
0.69' LT

BROADWAY ROAD

11'

94 95+00 96 97 98 99

MATCHLINE STA 100+00.00

94+82.25
19.00' RT

96+57.25
15.00' RT

I-155 SB R

NO TURN ON RED
R10-11a

STOP HERE ON RED
R10-6a

LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS

W3-3(0)-48

10'

200' 200' 200' 275'

500' 500' 500' 500'

W20-I103(0)-48 ROAD CONSTRUCTION AHEAD

W12-I102(0)-48 1'-0"

W20-4(0)-48 ONE LANE ROAD AHEAD

W3-3(0)-48

R10-6a STOP HERE ON RED

30 MPH
W13-1P

ADVANCE SIGNING

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 W02 PTB208-30 Various Bridges Preservation\D4N68H71\D468H71-sht-Staging 03.dgn

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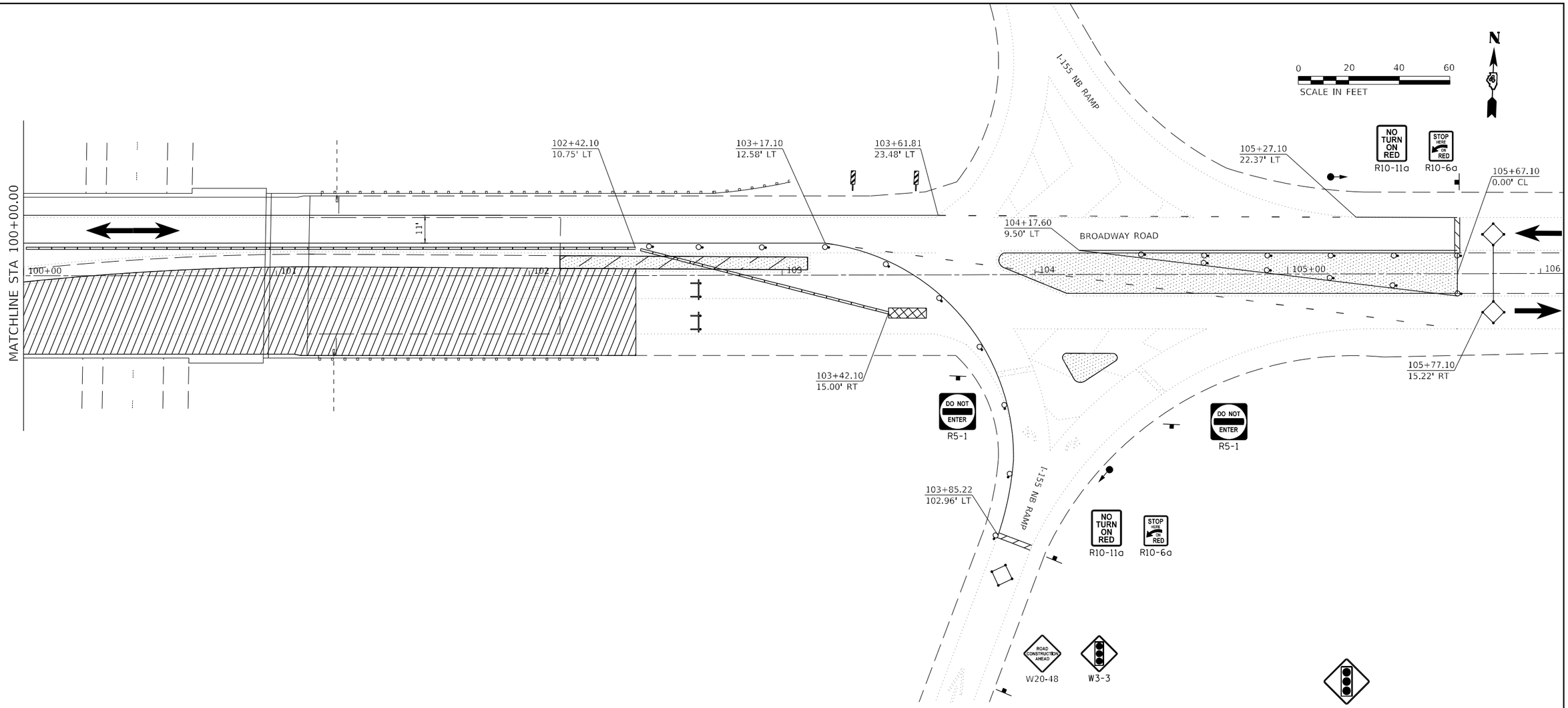
PLOT SCALE = 40.0000 ' / in.	CHECKED - SMS	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE I
S.N. 090–0132

SCALE: 1" = 20' | SHEET 5 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	52
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS

ADVANCE SIGNING

USER NAME = ssoto	DESIGNED - MLA	REVISED -
	DRAWN - MLA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - SMS	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE I
S.N. 090–0132

SCALE: 1" = 20' | SHEET 6 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	53
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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MATCHLINE THIS SHEET

MATCHLINE THIS SHEET

W20-48 ROAD CONSTRUCTION AHEAD

W3-3

0 20 40 60
SCALE IN FEET

N

NO TURN ON RED
R10-11a

STOP HERE ON RED
R10-6a

96+01.01
101.97' LT

98+29.48
238.46' LT

DO NOT ENTER
R5-1

DO NOT ENTER
R5-1

I-155 SB RAMP

94+32.25
0.00' CL

94+22.25
16.29' LT

96+32.25
5.00' LT

BROADWAY ROAD

94

95+00

96

97

98

99

MATCHLINE STA 100+00.00

11'

95+30.56
9.00' RT

94+89.87
23.00' RT

96+32.09
25.00' RT

96+19.00
14.00' RT

97+57.25
12.00' RT

KEEP RIGHT
R4-7b

NO TURN ON RED
R10-11a

STOP HERE ON RED
R10-6a

I-155 SB RAMP

LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS

W3-3(0)-48

10'

200' 200' 200' 275'

500' 500' 500' 500'

W20-I103(0)-48 ROAD CONSTRUCTION AHEAD

W12-I102(0)-48 11'-0"

W20-4(0)-48 ONE LANE ROAD AHEAD

W3-3(0)-48

R10-6a STOP HERE ON RED

30 MPH
W13-1P

ADVANCE SIGNING

MODEL: Default
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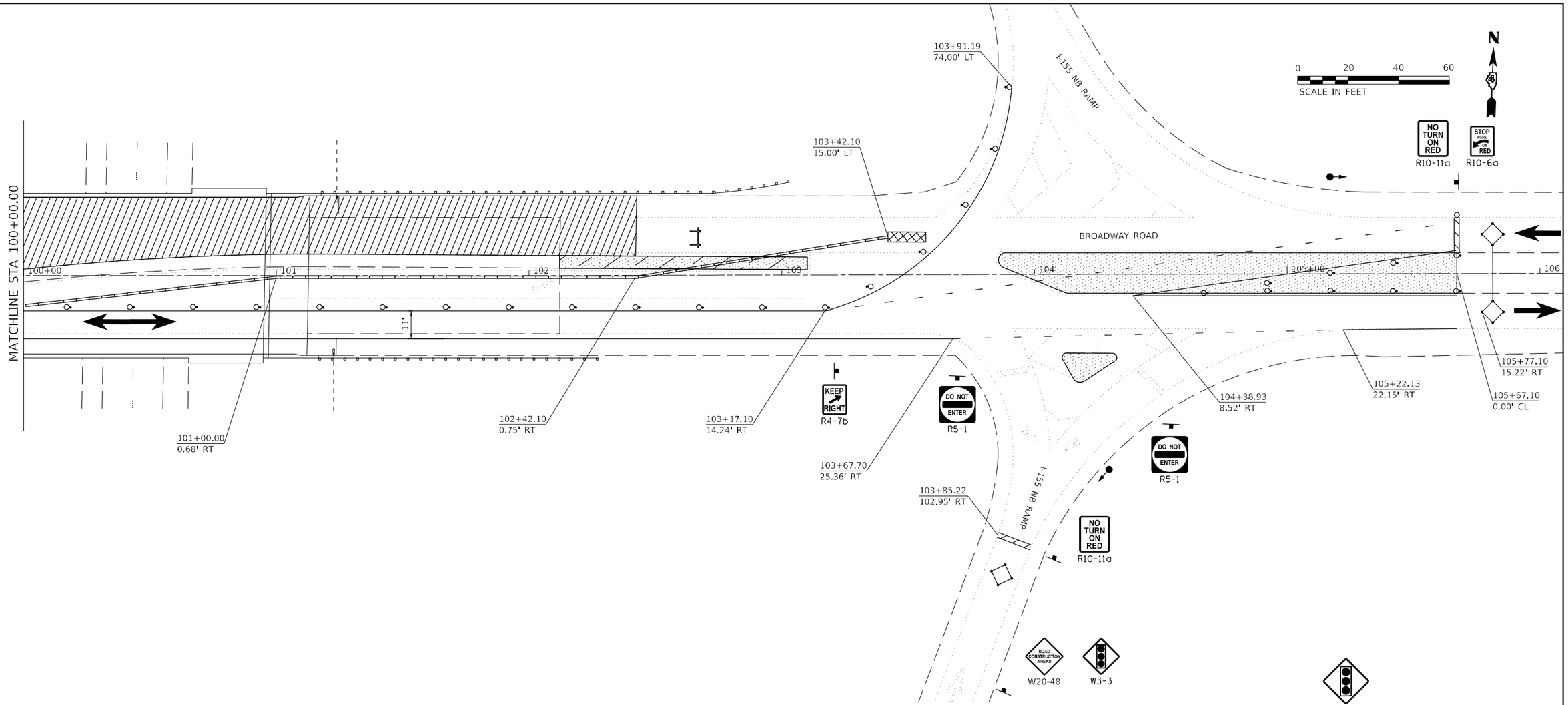
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE II
S.N. 090–0132

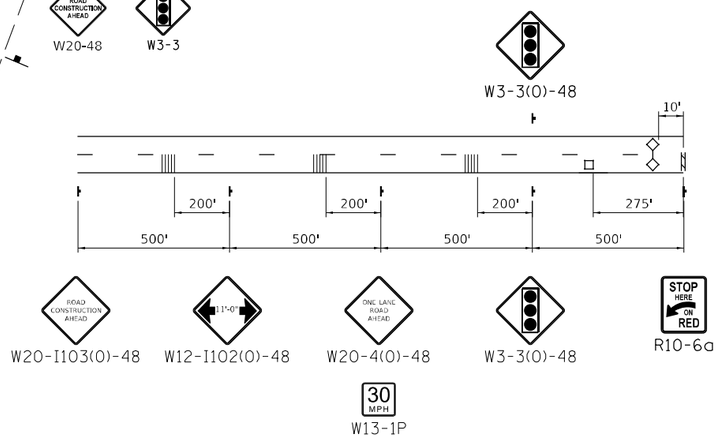
SCALE: 1" = 20' | SHEET 7 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	54
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS



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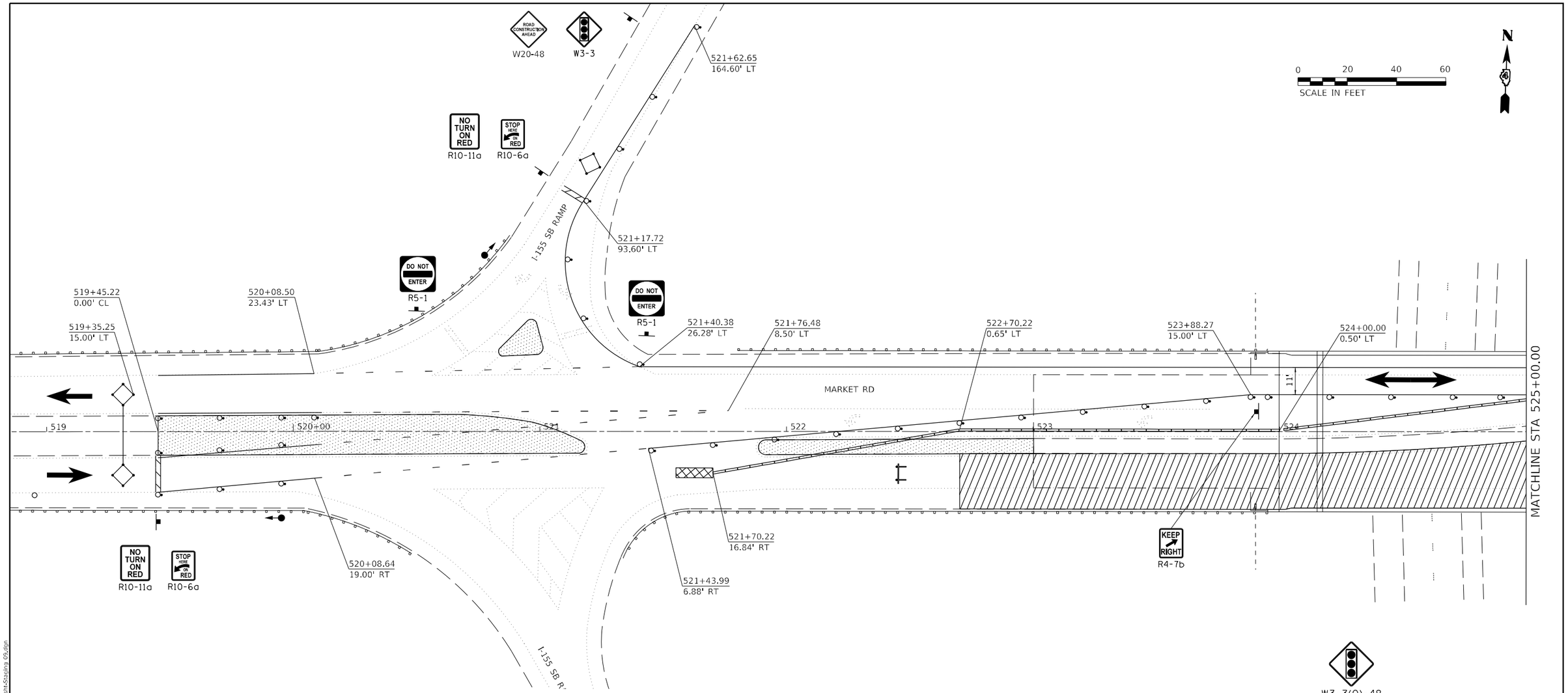
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE II
S.N. 090–0132

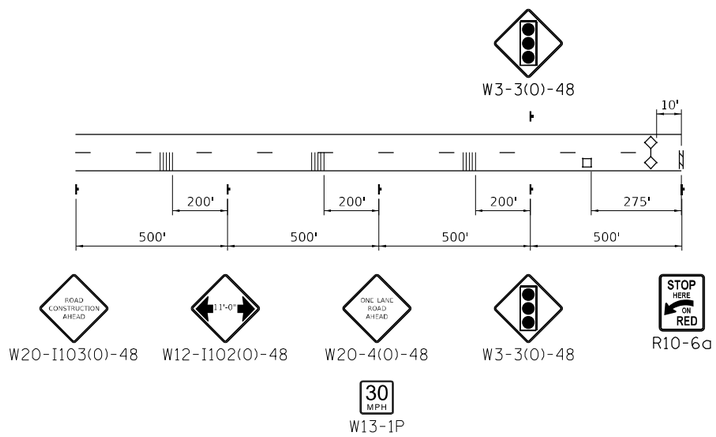
SCALE: 1" = 20' | SHEET 8 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	55
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS



ADVANCE SIGNING

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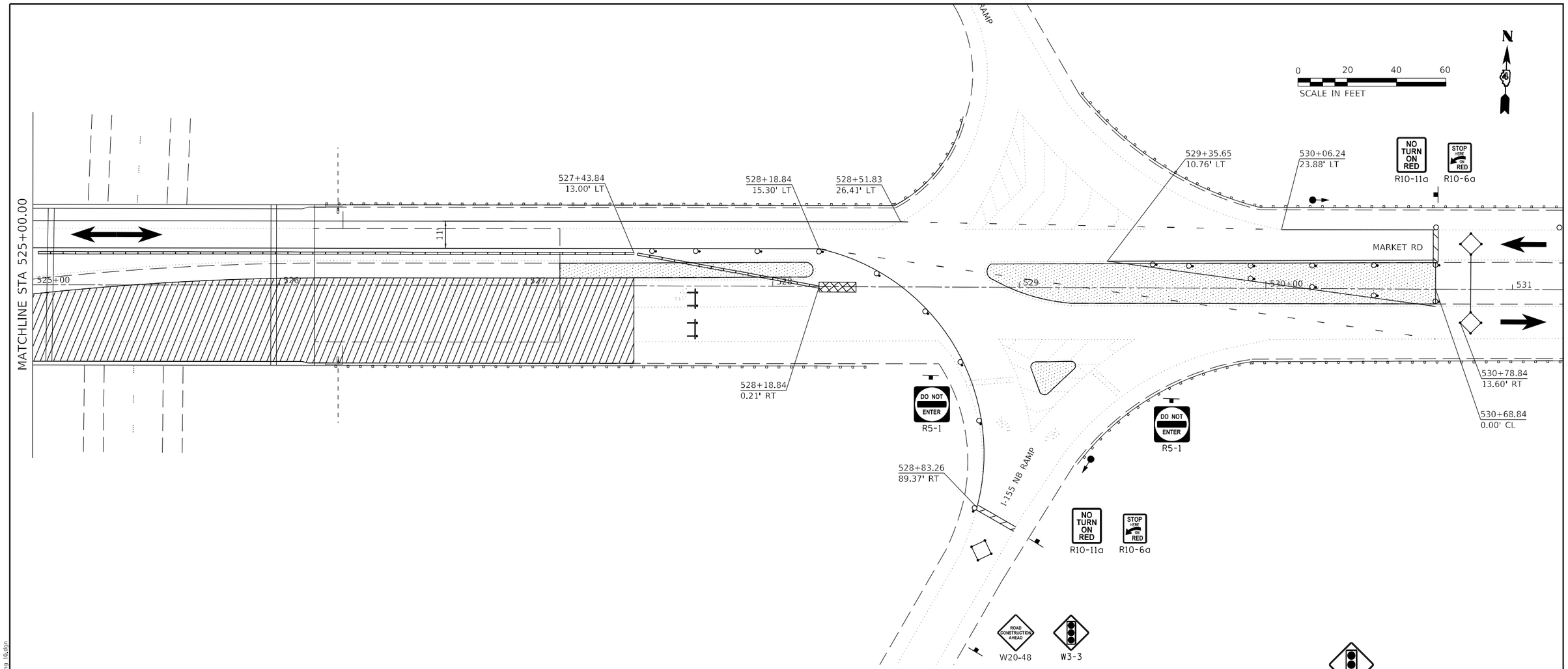
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE I
S.N. 090–0138

SCALE: 1" = 20' | SHEET 9 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	56
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS

ADVANCE SIGNING

MODEL: Default
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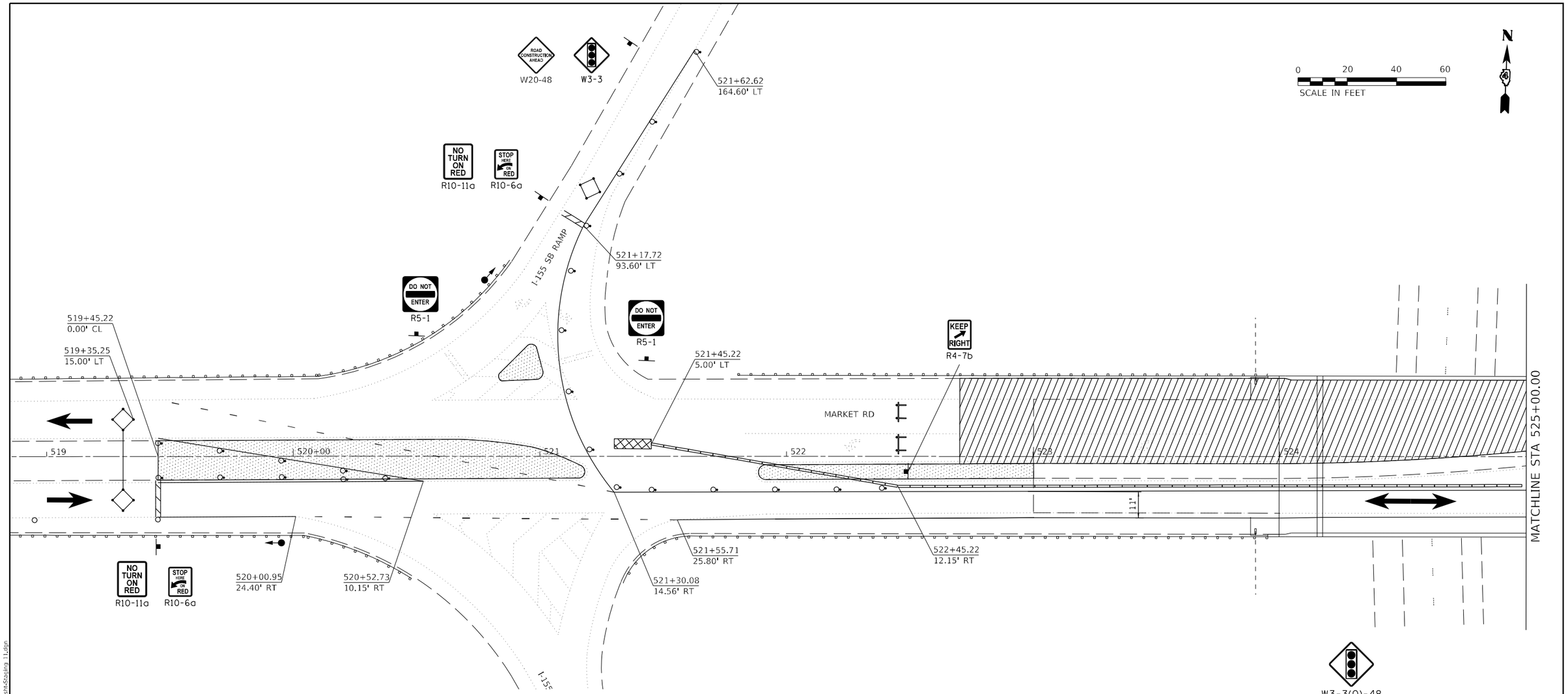
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE I
S.N. 090–0138

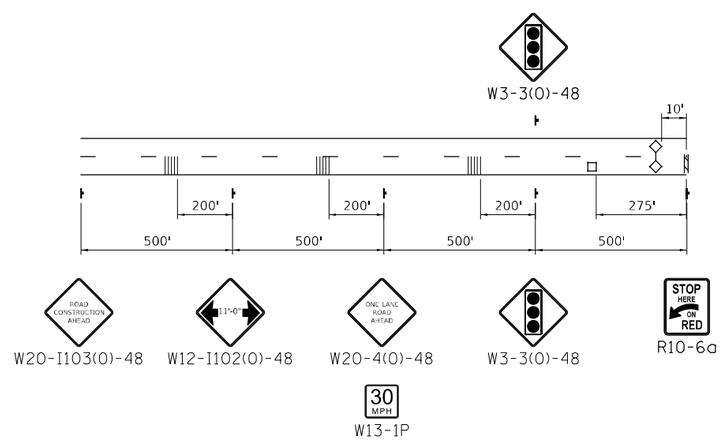
SCALE: 1" = 20' | SHEET 10 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	57
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS



ADVANCE SIGNING

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PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE II
S.N. 090–0138

SCALE: 1" = 20' | SHEET 11 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	58
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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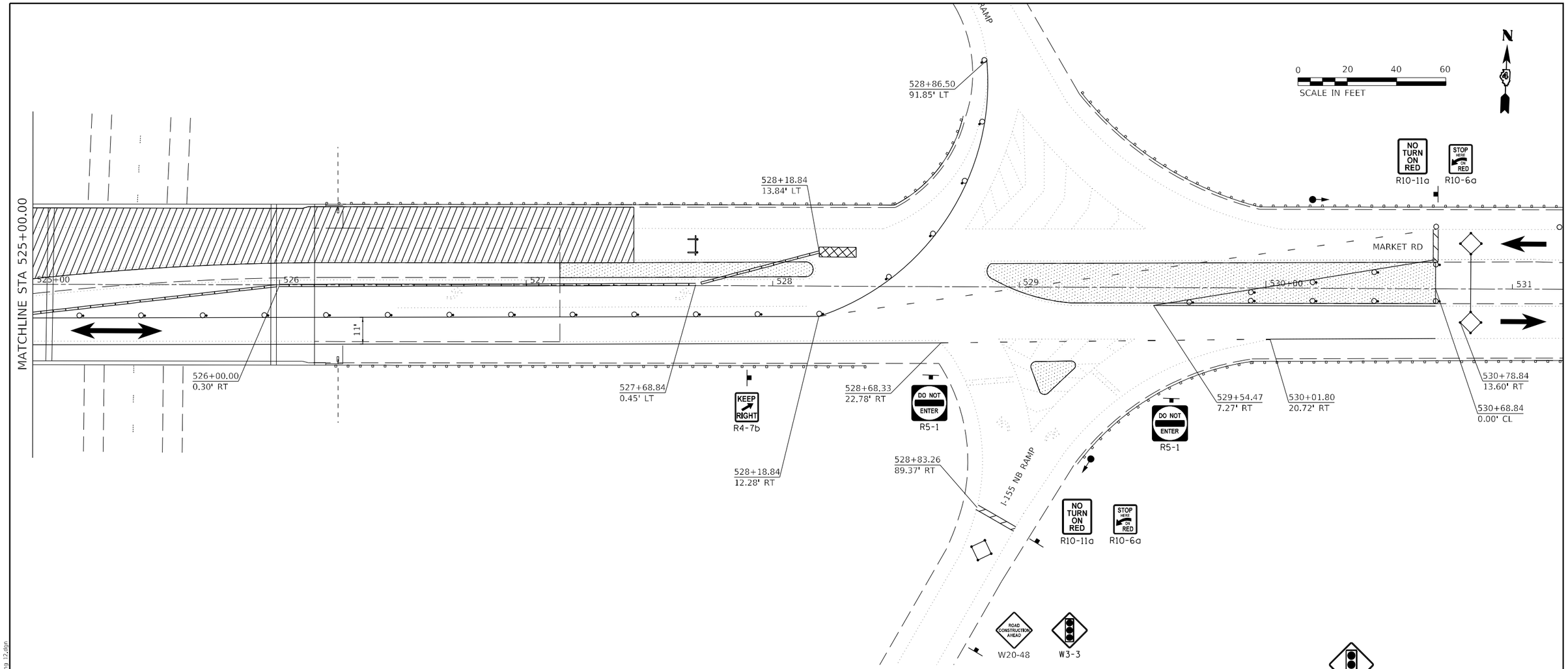

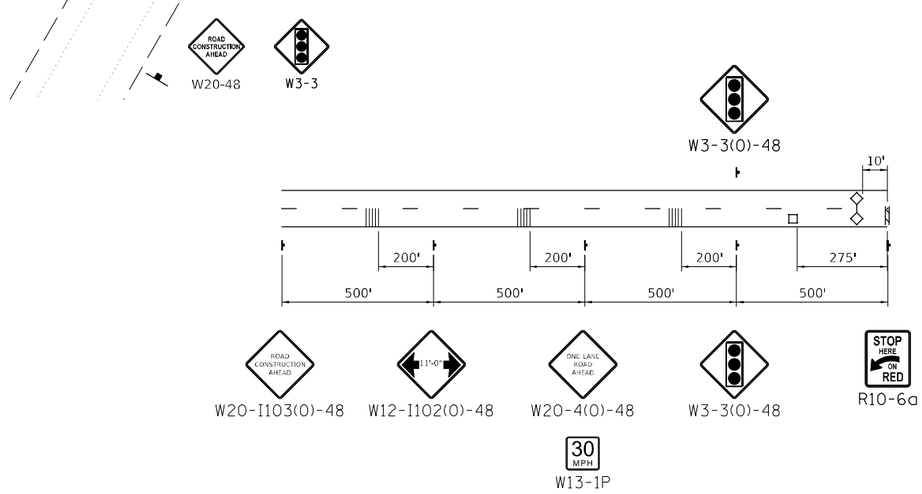

ADVANCE SIGNING

LEGEND

- WORK AREA
- TEMPORARY HMA PAVEMENT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- SIGN
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC SIGNAL
- TEMPORARY RUMBLE STRIPS

MODEL: Default
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PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN – STAGE II
S.N. 090–0138

SCALE: 1" = 20' | SHEET 12 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	59
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

REPAIR OF EXISTING ELECTRICAL FACILTIES	
1.	ALL BRIDGES THAT HAVE ELECTRICAL FACILITIES FOR OVERHEAD LIGHTING WILL BE FIELD INSPECTED BY IDOT OPERATIONS AND THE PROJECT RESIDENT ENGINEER TO DETERMINE IF THERE ARE ANY COMPONENTS THAT NEED TO BE REPAIRED OR REPLACED.
2.	ALL DEFICIENCIES IN ELECTRICAL COMPONENTS INCLUDING BUT NOT LIMITED TO, RIGID CONDUIT, FLEXIBLE CONDUIT, CONDUIT HANGERS, CONDUIT FITTINGS, JUNCTION BOXES, AND ELECTRICAL WIRE SHALL BE REPAIRED TO ENSURE THAT THESE FACILITIES ARE IN ACCEPTABLE CONDITION SO THAT THE OVERHEAD LIGHTING SYSTEM REMAINS IN OPERATION.
3.	ALL ELECTRICAL FACILITIES SHALL BE SEALED TO PREVENT WATER AND RODENT DAMAGE.
4.	THE CONTRACTOR SHALL SUBMIT ALL MATERIAL TO IDOT FOR REVIEW AND APPROVAL PRIOR TO DOING ANY WORK.
5.	THE COST OF ELECTRICAL REPAIRS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

DETOUR ROUTE

WORK AREA

N

NOT TO SCALE

MODEL: Default
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\D468H71-cht-detour1.dgn

HR Hurst-Rosche, Inc.	HURST-ROSCHE, INC. HILLSBORO, ILLINOIS 62049 PHONE (217)532-3959 HR # 192-2330 www hurst-rosche.com	USER NAME = ssoto	DESIGNED - KYH	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
			DRAWN - KYH	REVISED -	
		PLOT SCALE = 2.0000 ' / in.	CHECKED - JJC	REVISED -	
		PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

DETOUR ROUTE
S.N. 090-0133

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

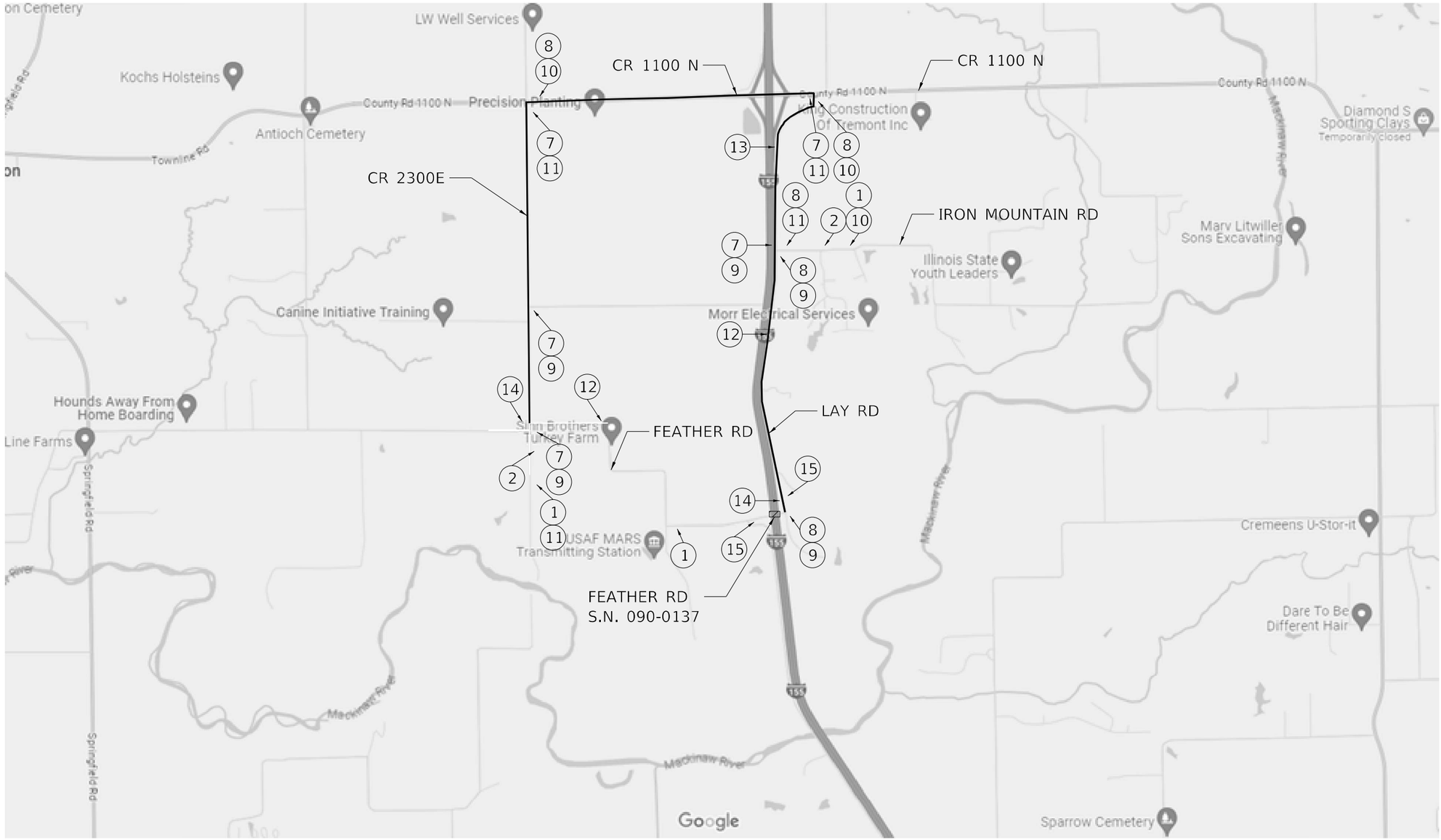
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	61
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

DETOUR ROUTE

WORK AREA

N

NOT TO SCALE



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HURST-ROSCHE, INC. HILLSBORO, ILLINOIS 62049 PHONE (217)532-3959 HR # 192-2330 www hurst-rosche.com	USER NAME = ssoto	DESIGNED - KYH	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
		DRAWN - KYH	REVISED -	
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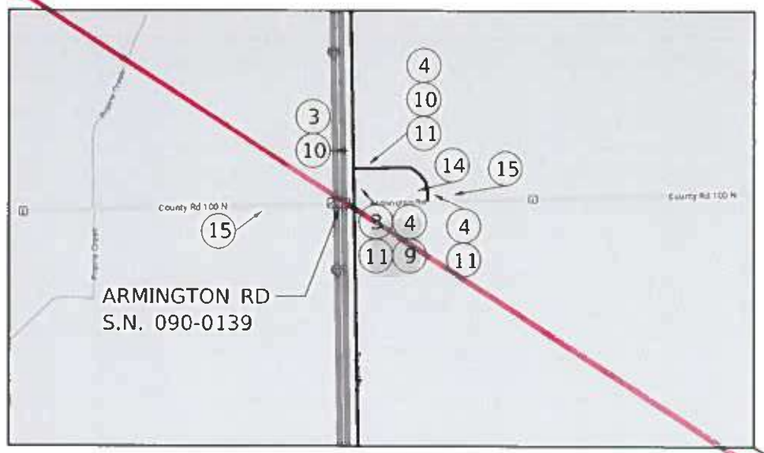
	PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -	

DETOUR ROUTE
S.N. 090-0137

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	62
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

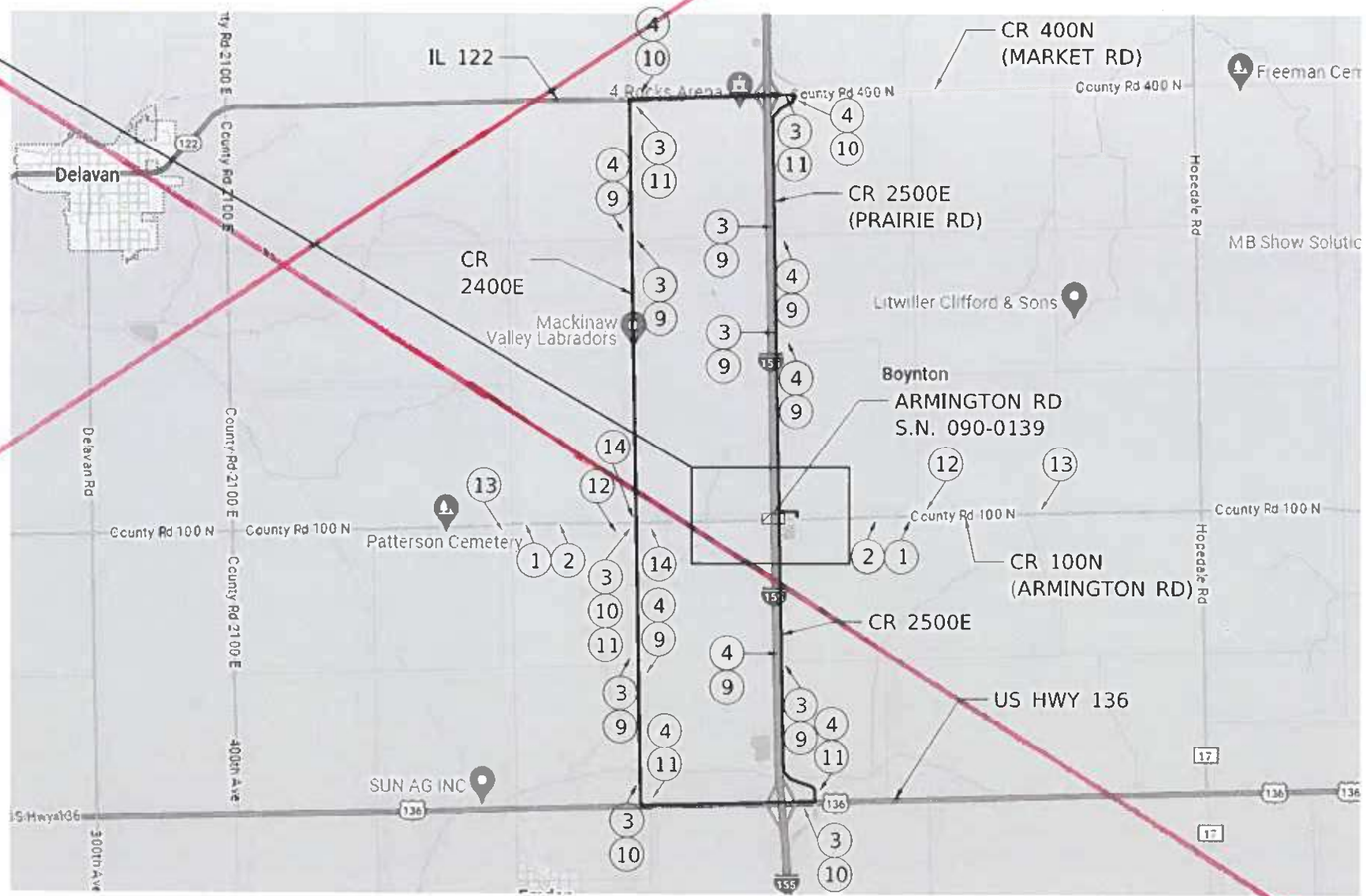


DETOUR ROUTE

WORK AREA

N

NOT TO SCALE



HR Hurst-Rosche, Inc.	NURST-ROSCHE, INC. HILLSBORO, ILLINOIS 62049 PHONE (217)532-3959 HR # 192-2330 www.hurst-rosche.com	USER NAME = ssolo	DESIGNED - KYH	REVISED -
			DRAWN - KYH	REVISED -
		PLOT SCALE = 2.0000 ' / in.	CHECKED - JJC	REVISED -
		PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTE
S.N. 090-0139

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

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	63
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: J:\Projects\Current\192-1063 IDOT D4 WO2 FTB206-20 Various Bridges Preservation\D&M\68H71\Plan Sheets\68H71 Plan Sheet Detour3.dgn

NOTES

1. THE CONTRACTOR SHALL FURNISH THE SIGNS AND POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THE DETOUR ROUTE, AS DIRECTED BY THE RESIDENT ENGINEER. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
2. SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
3. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6.0' FROM THE EDGE OF PAVEMENT, AS DIRECTED BY THE RESIDENT ENGINEER.
4. CONTRACTOR SHALL FURNISH ADVANCE WARNING SIGNS, ROAD CLOSURE SIGNS, CHANGEABLE MESSAGE BOARDS AND TYPE 3 BARRICADES.
5. ALL ADVANCE SIGNS SHALL BE 48" FLOURESCENT ORANGE WITH FLASHING LIGHTS.
6. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO OTHER COMPENSATION WILL BE ALLOWED.
7. EIGHT CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED AND PLACED AT THE LOCATIONS SHOWN ON THE PLANS AS DIRECTED BY THE RESIDENT ENGINEER. TWO CHANGEABLE MESSAGE SIGNS SHALL BE PLACED TWO WEEKS PRIOR TO ROADWAY CLOSURE NEAR THE PROJECT LIMITS. ALL CHANGEABLE MESSAGE SIGNS WILL BE PAID FOR AS CHANGEABLE MESSAGE SIGN CAL DAY.
8. QUANTITY OF SIGNS SHOWN ON THIS SHEET ONLY INCLUDE NUMBER OF SIGNS SHOWN ON THE DETOUR ROUTE LAYOUT ON THE PREVIOUS SHEETS.

SIGNS TO BE FURNISHED BY THE CONTRACTOR

(1) ROAD CLOSED AHEAD — 9 EACH

(2) DETOUR AHEAD — 8 EACH

(3) DETOUR / EAST / CR 100N — M4-8-2412, M3-2-2412, M1-50-2424 — 12 EACH

(4) DETOUR / WEST / CR 100N — M4-8-2412, M3-4-2412, M1-50-2424 — 12 EACH

(5) DETOUR / EAST / CR 1600N — M4-8-2412, M3-2-2412, M1-50-2424 — 6 EACH

(6) DETOUR / WEST / CR 1600N — M4-8-2412, M3-4-2412, M1-50-2424 — 7 EACH

(7) DETOUR / EAST / FEATHER RD — M4-8-2412, M3-2-2412, M1-50-2424 — 5 EACH

(8) DETOUR / WEST / FEATHER RD — M4-8-2412, M3-4-2412, M1-50-2424 — 5 EACH

(9) M6-3-2115 — 21 EACH

(10) M6-1(L)-2115 — 15 EACH

(11) M6-1(R)-2115 — 17 EACH

(12) R11-3A-6030 — ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY — 6 EACH

(13) R11-3A-6030 — ROAD CLOSED 2 MILE AHEAD LOCAL TRAFFIC ONLY — 5 EACH

(14) END DETOUR — M4-8A — 7 EACH

(15) PORTABLE CHANGEABLE MESSAGE SIGN — 6 EACH

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HURST–ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
HR # 192-2330
www hurst-rosche.com

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	DRAWN - KYH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTE SIGN DETAILS
090–0133, 090–0137, & 090–0139

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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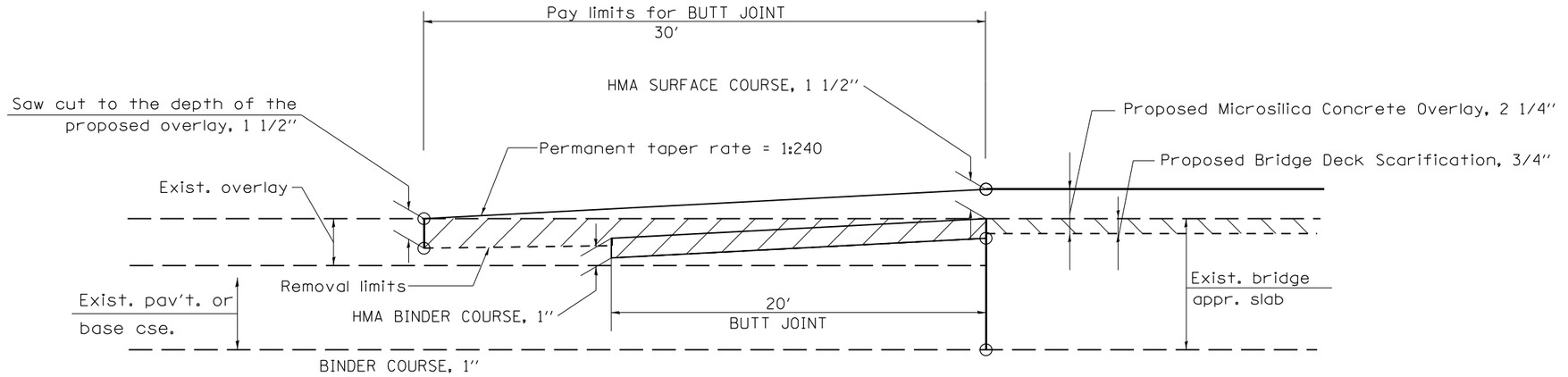
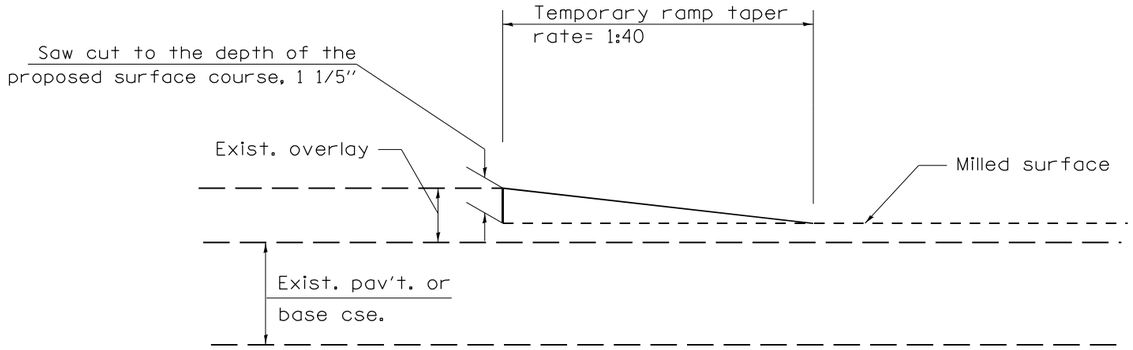
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			



CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
TAPER RATES

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
(1)	BUTT JOINT TAPER RATE	1:480	1:240
(2)	TEMPORARY RAMP TAPER RATE	1:80	1:40



DETAIL TEMPORARY RAMP

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
04-01-97	CORRECTION TO DEPTH	J.A.
09-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

08-21-13	MAJOR MODIFICATIONS	R.D.
04-12-16	MINOR CORRECTIONS	R.D.
02-14-17	ADDED NOTE 5	R.D.
07-16-19	Wording and Spelling corrections	R.D.

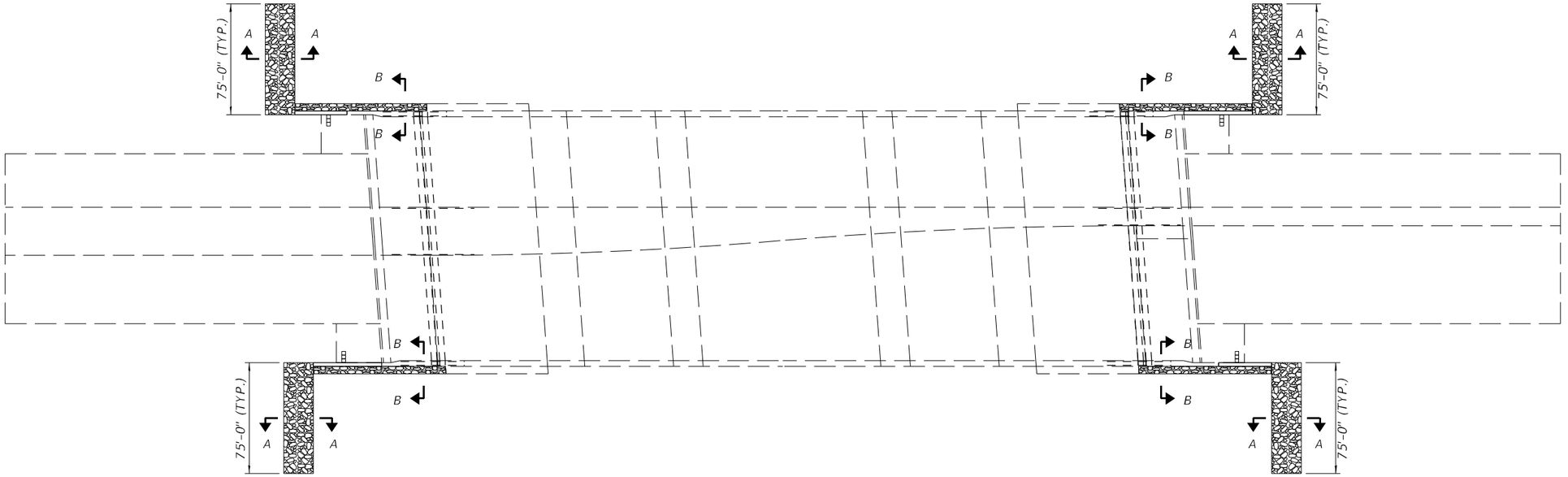
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

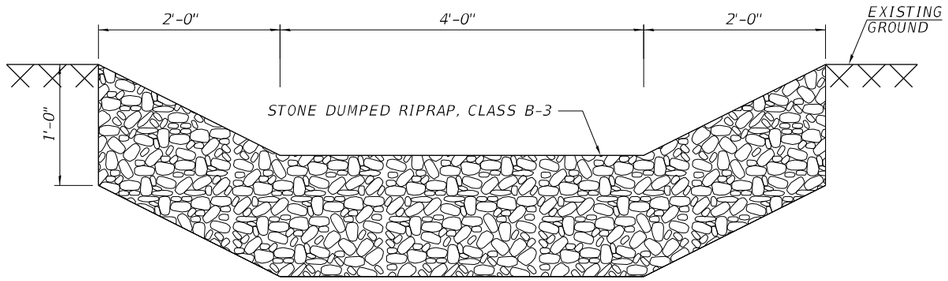
NOT TO SCALE

BUTT JOINT DETAIL

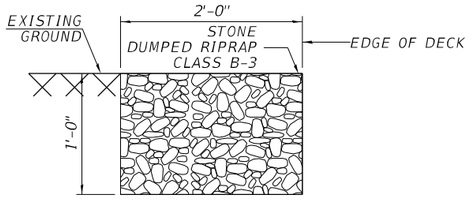
SHT. 1 OF 1
CADD STD. 406101-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155D4	BRIDGE JOINT REPAIR 2024	TAZEWELL	123	65
			CONTRACT NO. 68H71	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

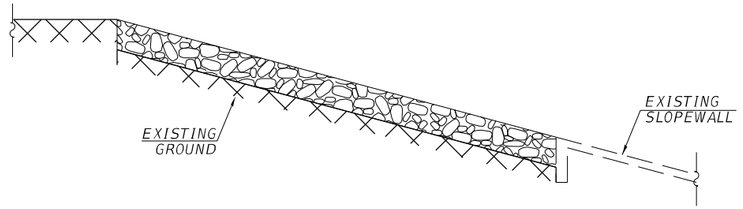




SECTION A-A



SECTION B-B



SECTION C-C

NOTES:

1. PREPARATION FOR PLACEMENT OF RIPRAP SHALL BE COMPLETED IN THE SAME DAY, ELIMINATING THE NEED FOR TEMPORARY EROSION CONTROL.
2. SEE REMOVAL PLAN FOR REMOVAL OF EXISTING INLET GRATE AND PIPE CULVERT REMOVAL.
3. VERIFY LENTH AND DIRECTION OF STONE RIP RAP SWALE IN FIELD AND AS DIRECTED BY THE ENGINEER.

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
HR # 192-2330
www hurst-rosche.com

USER NAME = ssoto	DESIGNED - JJC	REVISED -
	DRAWN - AE	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JJC	REVISED -
PLOT DATE = 2/14/2024	DATE - 02/09/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED RIPRAP DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	04 BRIDGE JOINT REPAIR 2024	TAZEWELL	123	66
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

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Benchmark:
TBM 130-A: Chiseled "□" on ℄ N Headwall of Double 10'x6' Box Culvert Under Existing TR 61 (Queenwood Road) 900' ± West of FA 406.

Existing Structure No. 090-0130:
The existing structure is a two span bridge with a 7 ½" concrete deck supported by 36" Wide-Flange beams. The structure was constructed in 1989 as Section 90-(106x)HB-1. The superstructure is supported by closed vaulted abutments. It has an out to out deck width of 69'-2" and a 191'-7" back to back abutment length.

SCOPE OF WORK

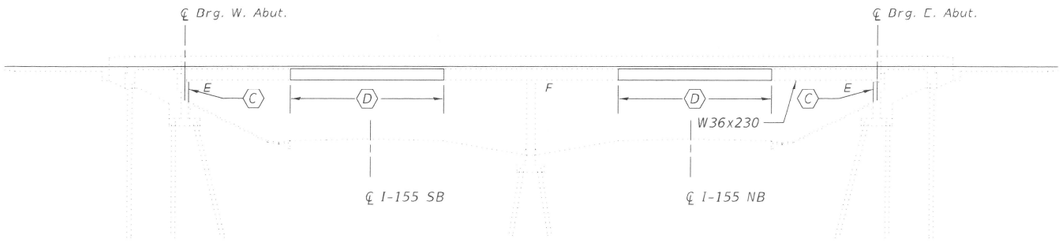
1. Implement Traffic Control and shift EB and WB traffic to the North side of the structure
2. Install Permanent Protective Shield above the NB and SB I-155 as indicated on the plans
3. Remove Inlet Grates and Replace with RipRap Swales per civil sheets
4. Perform Bridge Deck Scarification, ¾"
5. Perform Deck Slab and Concrete Median Repairs as indicated on the Plans, Fill Relief Joint Cracks as Needed
6. Perform Expansion Joint Reconstruction
7. Perform Bridge Deck Microsilica Concrete Overlay, 2¼"
8. Shift EB and WB Traffic to the South Side of the Structure and repeat Items 3 through 7 above
9. Perform Abutment Repairs at locations indicated on Plans

TOTAL BILL OF MATERIAL

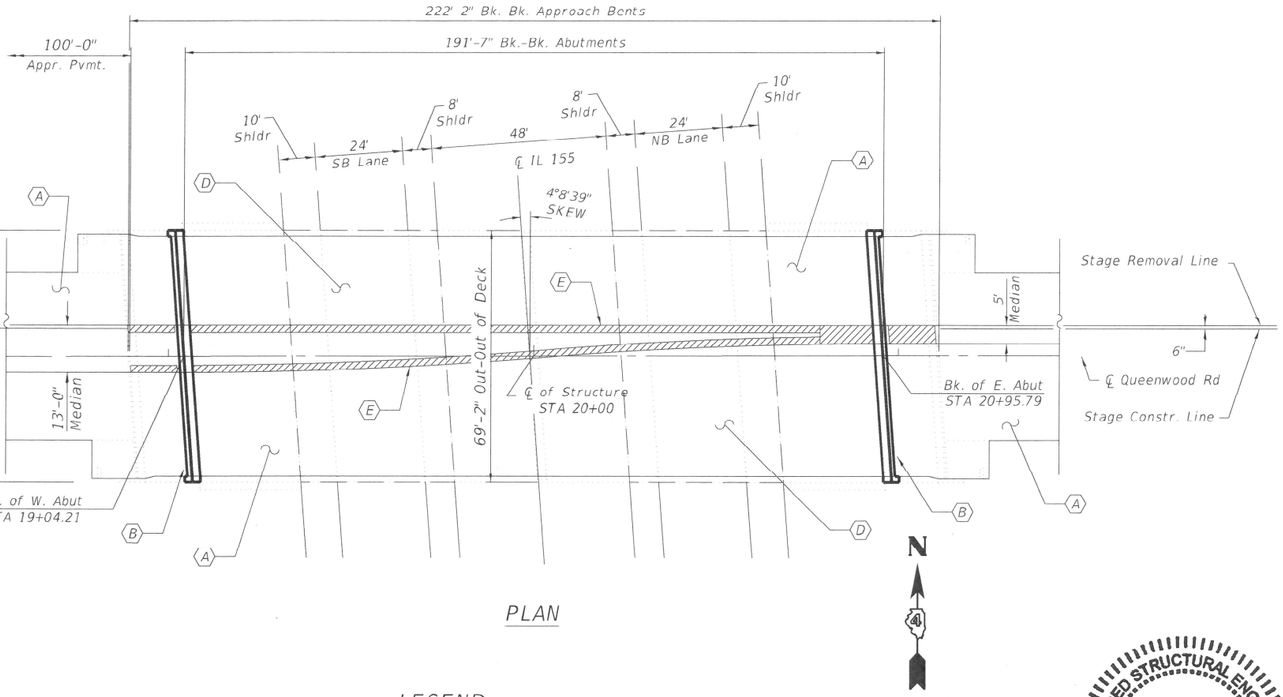
	ITEM	UNIT	QUANTITY
	Concrete Removal	Cu. Yd.	18.4
	Concrete Superstructure	Cu. Yd.	20.8
	Bridge Deck Grooving	Sq. Yd.	2070
	Protective Coat	Sq. Yd.	2283
	Reinforcement Bars, Epoxy Coated	Lbs	1830
	Bar Splicers	Each	18
	Preformed Joint Strip Seal	Foot	139
	Epoxy Crack Injection	Foot	95
*	Protective Shield (Permanent)	Sq. Yd.	648
*	Surface Filler (Special)	Gallon	9
*	Protective Coat (Special)	Sq. Yd.	574
*	Bridge Deck Scarification ¾"	Sq. Yd.	2233
*	Bridge Deck Microsilica Concrete Overlay 2¼"	Sq. Yd.	2233
*	Concrete Median Repair	Sq. Ft.	889
*	Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	117
*	Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	12
*	Slopewall Slurry Pumping	Cu. Yd.	8.4

* Denotes Special Provision

INDEX OF SHEETS



ELEVATION



PLAN

KEYED NOTES

- (A) Bridge Deck Scarification ¾" and 2¼" Microsilica Concrete Overlay
- (B) Expansion Joint Replacement
- (C) Structural Repair of Abutments
- (D) Permanent Protective Shielding
- (E) Concrete Median Repair

LEGEND

- Expansion Joint Replacement
- Limits of ¾" Scarification and 2¼" Microsilica Concrete Overlay
- Limits of Protective Shield (Permanent)
- Concrete Median Repair

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 cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 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 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 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".

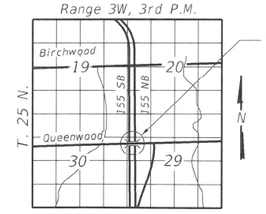
Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50 degrees Fahrenheit.

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

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-7200
STATE OF ILLINOIS

2/9/24

CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 7200
EXPIRES: NOVEMBER 30, 2024



LOCATION SKETCH

GENERAL PLAN & ELEVATION
QUEENWOOD ROAD
OVER I-155
TAZEWELL COUNTY
STATION 20+00.00
STRUCTURE NO. 090 0130

Hurst-Rosche, Inc. PROFESSIONAL DESIGN NUMBER 184-002208 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = _____	DESIGNED - JJC	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - CJC	REVISED - _____	
	PLOT SCALE = _____	DRAWN - RGA	REVISED - _____	GENERAL PLAN & ELEVATION STRUCTURE NO. 090-0130
	PLOT DATE = _____	CHECKED - CJC	REVISED - _____	SHEET 1 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	67
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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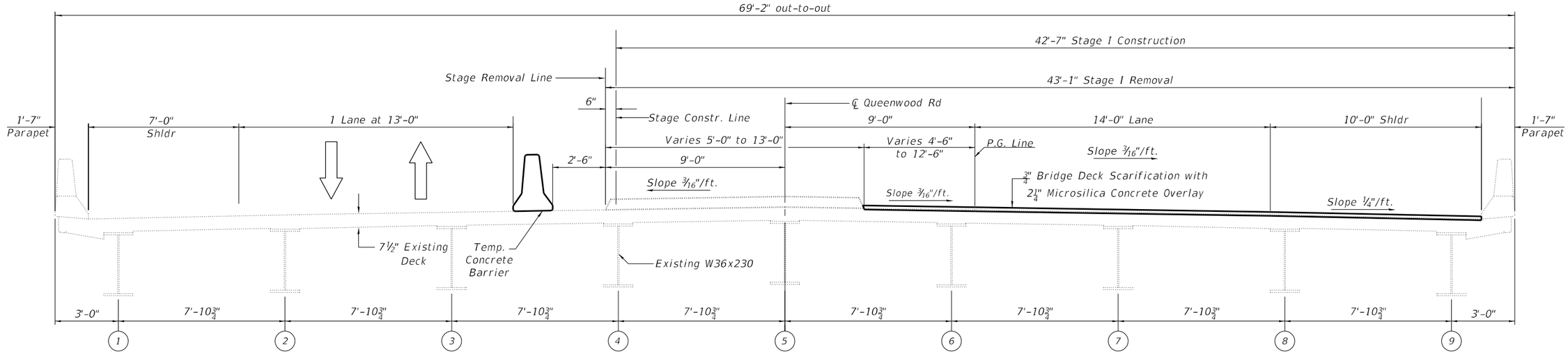
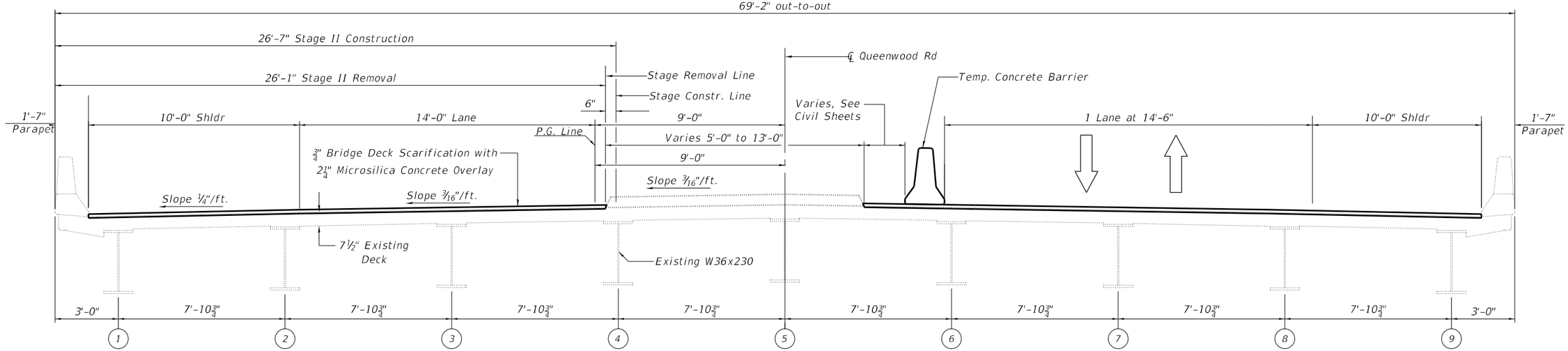
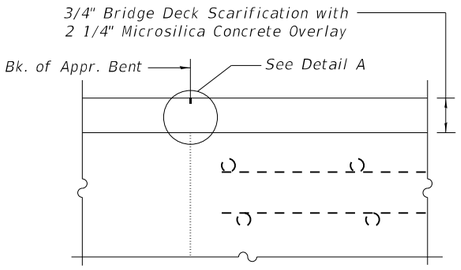


STAGE I REMOVAL AND CONSTRUCTION
(Looking East)



STAGE II REMOVAL AND CONSTRUCTION
(Looking East)



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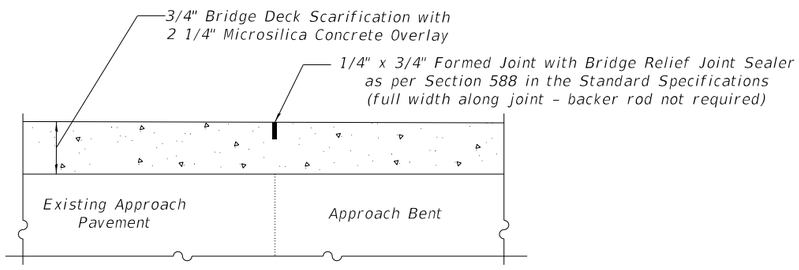


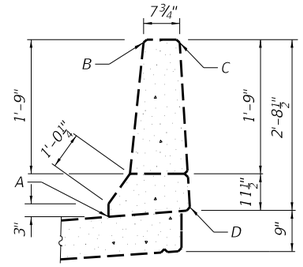
DETAIL A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Surface Filler (Special)	Gallon	9
Protective Coat (Special)	Sq. Yd.	574

NOTES

1. Surface Filler (Special) and Protective Coat (Special) shall be applied per the Special Provisions.
2. Protective Coat (Special) to cover from Point A through Points B, C and D of the Parapet.



PARAPET SEALING DETAIL

Hurst-Rosche, Inc. PROFESSIONAL DESIGN FIRM NUMBER 184-001599 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = ...	DESIGNED - JJC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**STAGE CONSTRUCTION STRUCTURE NO. 090-0130**
		CHECKED - CJC	REVISED -		
	PLOT SCALE = ...	DRAWN - RGA	REVISED -		SHEET 2 OF 11 SHEETS
	PLOT DATE = ...	CHECKED - CJC	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	68
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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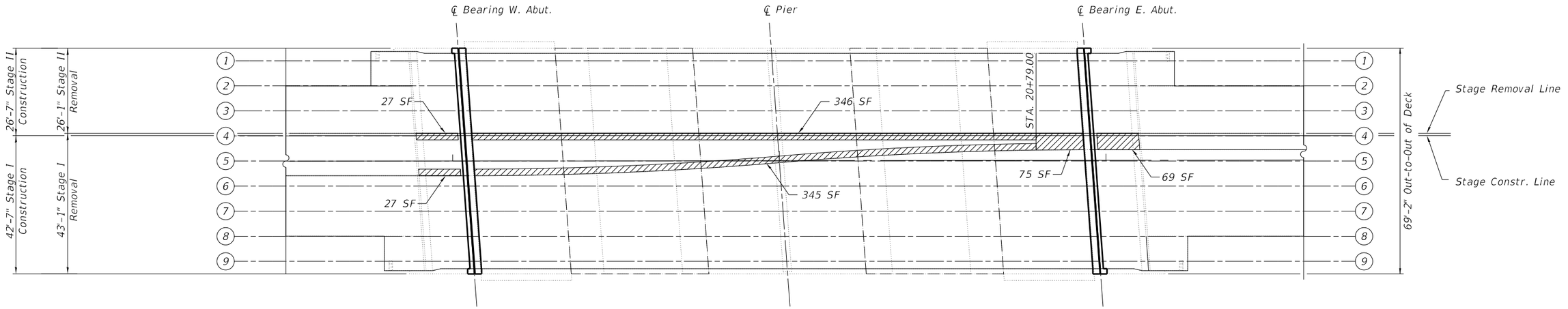
Notes:
1. Areas of deck repair and concrete median repair shown are estimated. The Engineer shall show actual locations of deck and concrete median repairs at the time of construction.
2. Engineer in field shall record any additional deck repairs performed prior to deck scarification in order to document as-built conditions for futue reference.
3. All Concrete Median Repair is to occur during stage I as shown in the plans.
4. SF = Square Feet



LEGEND

Concrete Median Repair

Limits of Protective Shielding (Permanent)

DECK REPAIR PLAN

N

BILL OF MATERIAL

Item	Unit	Quantity
Protective Coat	Sq. Yd.	2283
Protective Shield (Permanent)	Sq. Yd.	648
Bridge Deck Scarification	Sq. Yd.	2233
Bridge Deck Microsilica Overlay	Sq. Yd.	2233
Concrete Median Repair	Sq. Ft.	889

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Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM NO. 184.005308
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------
	CHECKED - CJC	REVISED - ----------
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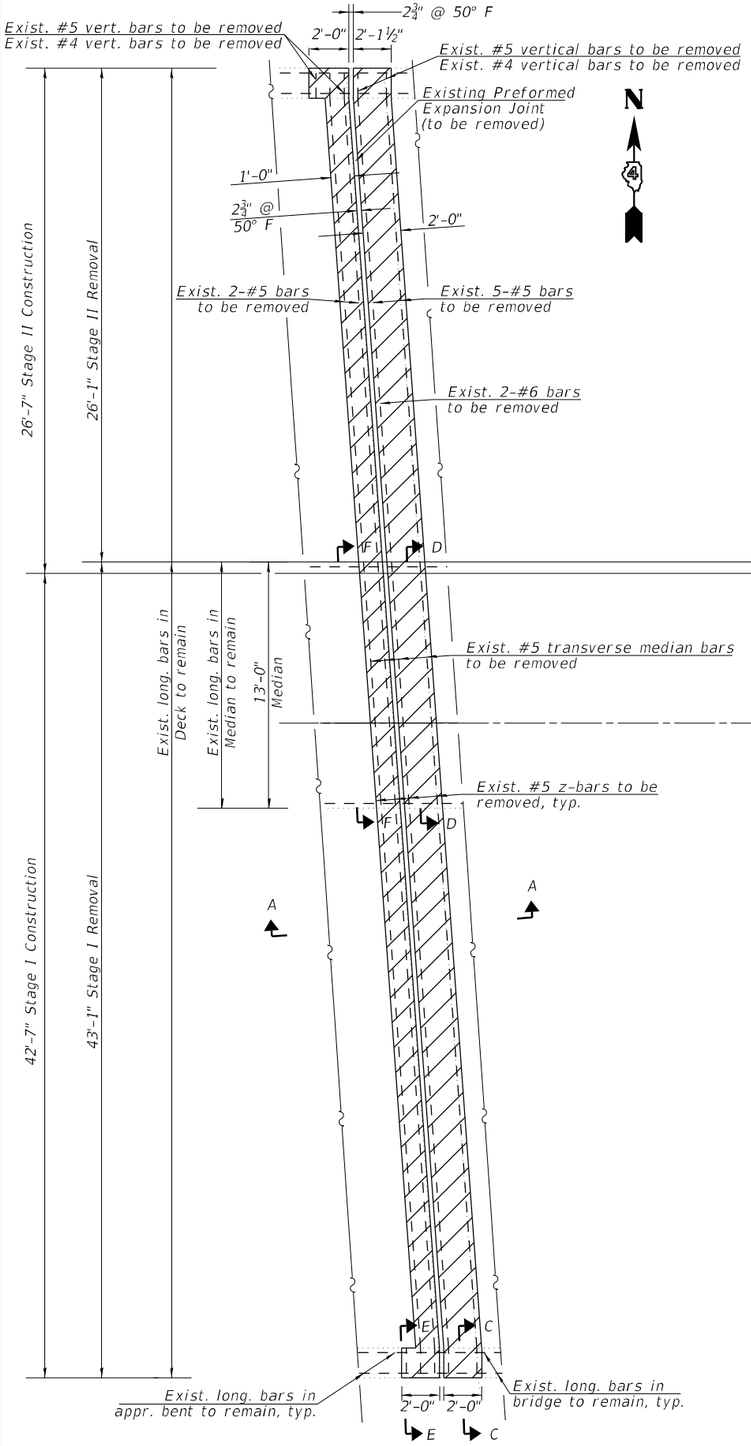
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR PLAN
STRUCTURE NO. 090-0130
SHEET 3 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	69
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



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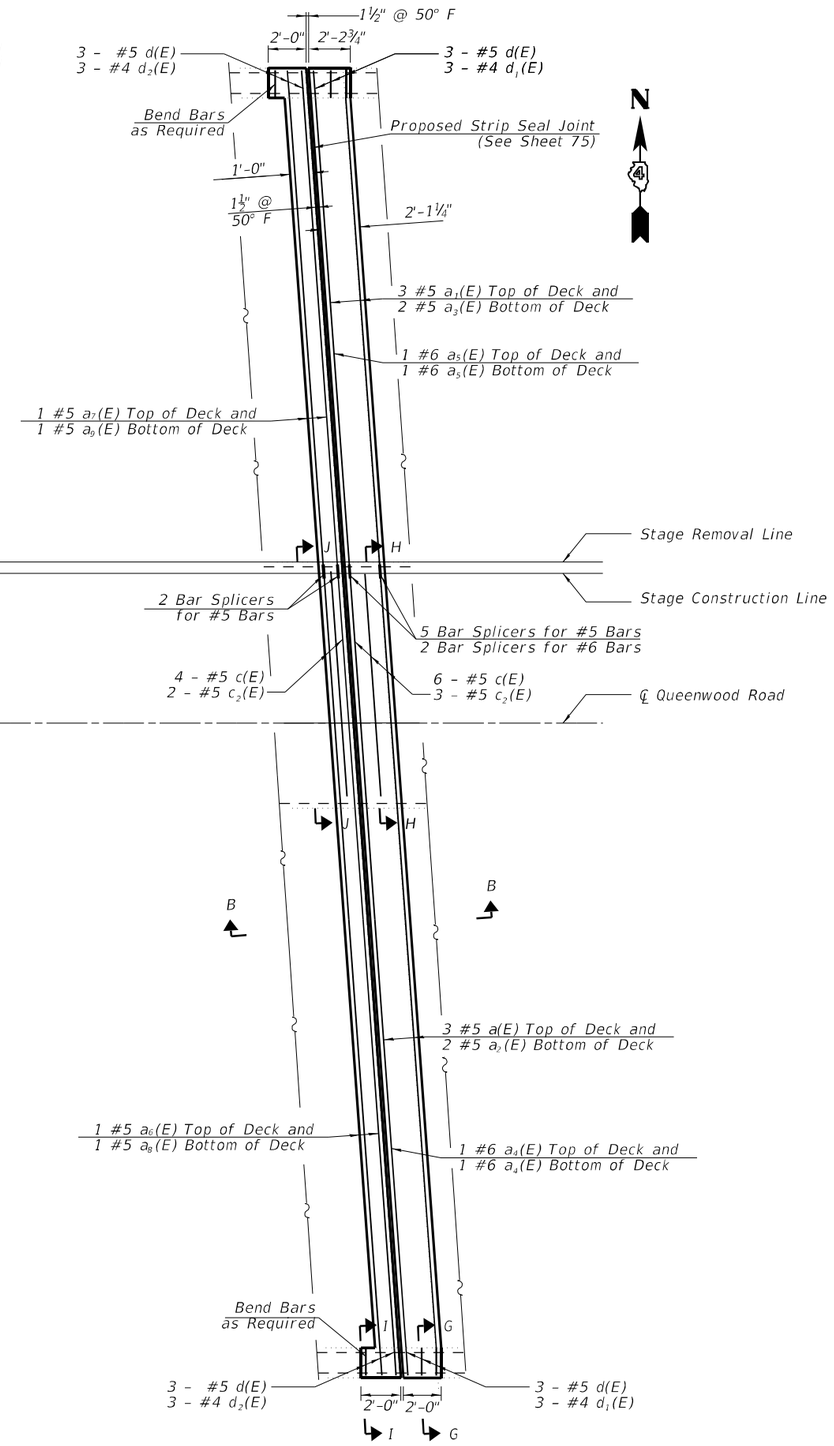

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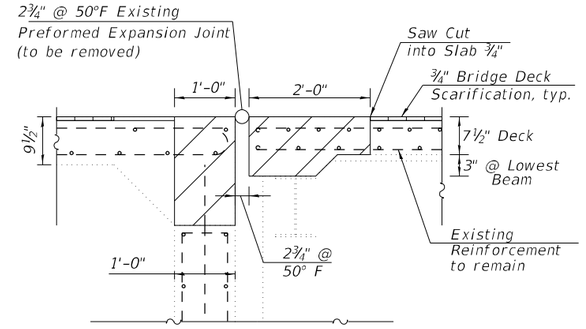
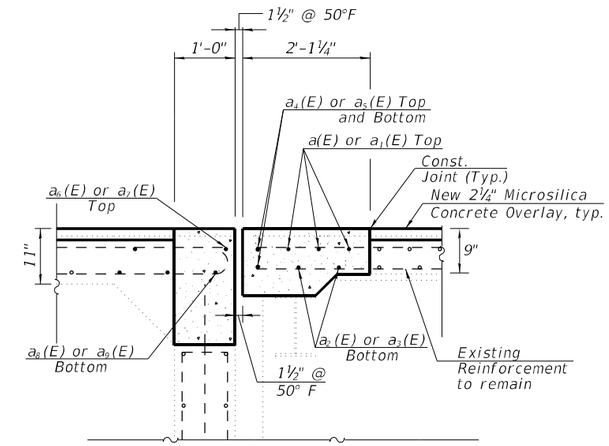


SECTION - A-A

(Dims. at Rt. ℄'s to End of Deck)



SECTION - B-B

(Dims. at Rt. ℄'s to End of Deck)

LEGEND

- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure

NOTES

1. See Sheet 71 for sections C-C through J-J, Bar Diagrams, and Bill of Materials.

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.002239
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EXPANSION JOINT REMOVAL & REPLACEMENT (1 of 2)
STRUCTURE NO. 090-0130

SHEET 4 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	70
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0130\090130_04_west expansion joint removal and replacement (1 of 2).dgn
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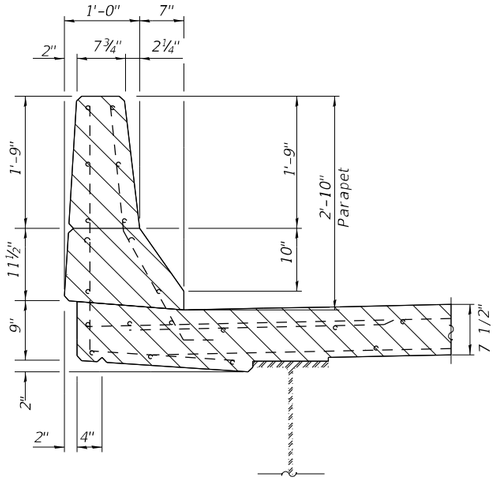
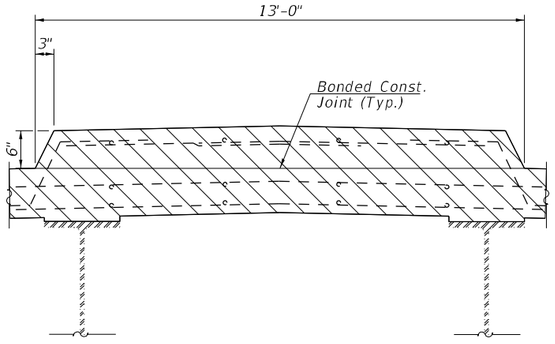
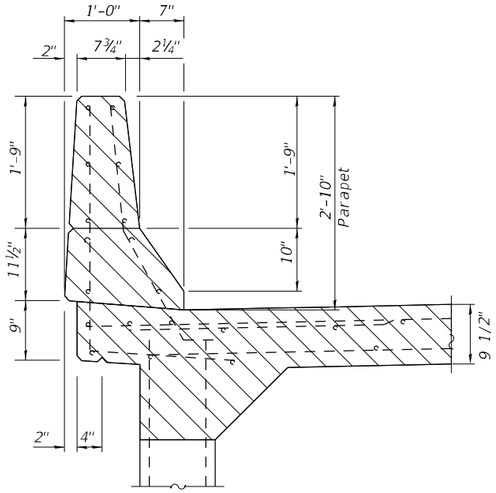


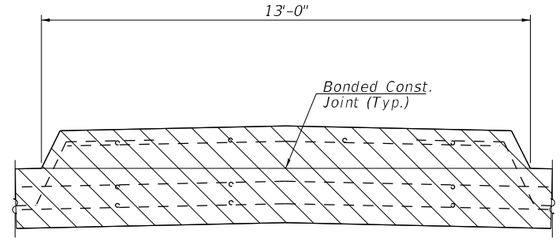
SECTION C-C



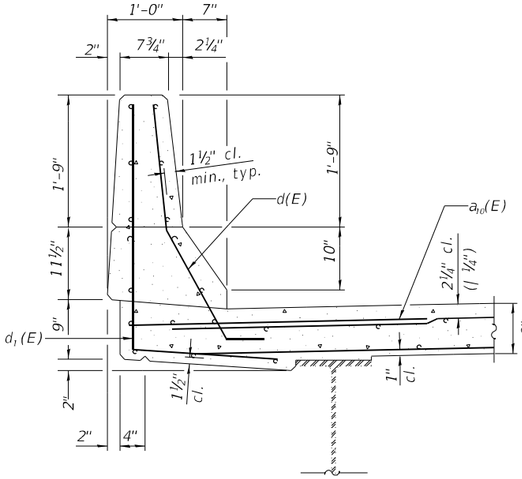
SECTION D-D



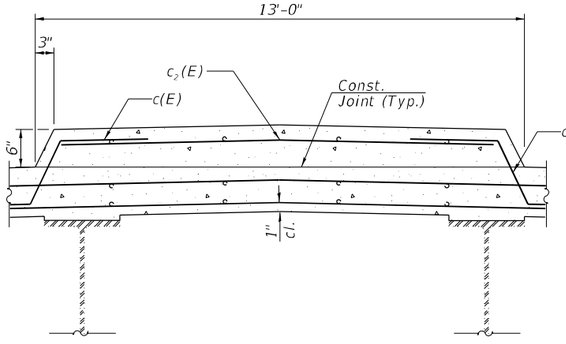
SECTION E-E



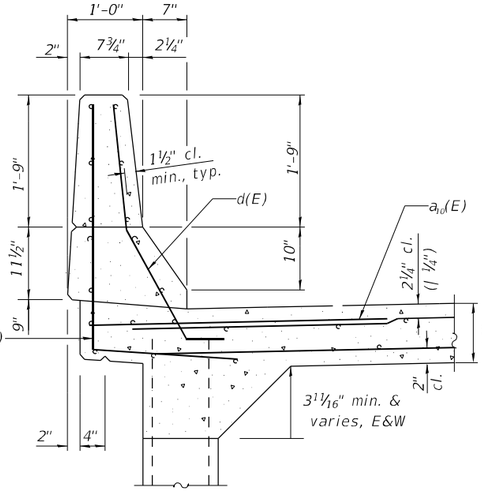
SECTION F-F



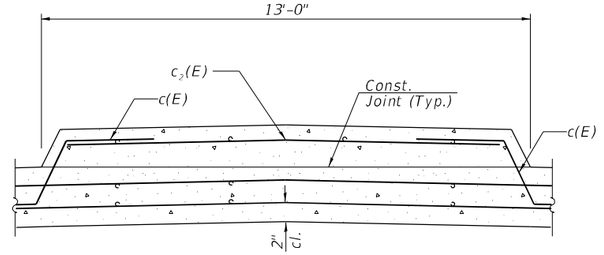
SECTION G-G



SECTION H-H



SECTION I-I



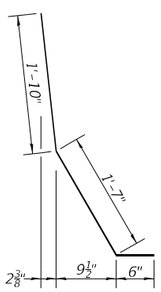
SECTION J-J

NOTES

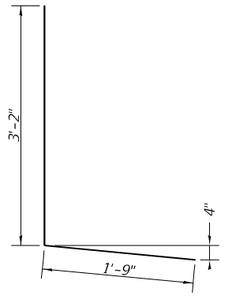
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. Cut reinforcing bars in field to fit as required.

LEGEND

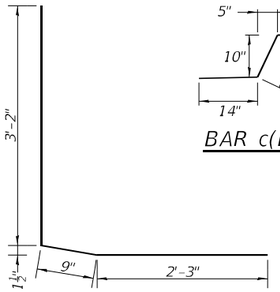
Concrete Removal



BAR d(E)



BAR d_1(E)



BAR d_2(E)

BAR c(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	3	#5	41'-8"	
a1(E)	3	#5	24'-6"	
a2(E)	2	#5	41'-8"	
a3(E)	2	#5	24'-6"	
a4(E)	2	#6	41'-8"	
a5(E)	2	#6	24'-6"	
a6(E)	1	#5	41'-8"	
a7(E)	1	#5	24'-6"	
a8(E)	1	#5	41'-8"	
a9(E)	1	#5	24'-6"	
a10(E)	10	#6	4'-0"	
c(E)	10	#5	3'-3"	
c2(E)	5	#5	12'-3"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	4'-11"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated			Lbs.	935
Concrete Superstructure			Cu. Yds.	10.4
Concrete Removal			Cu. Yds.	9.2
Protective Coat			Sq. Yds.	6

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.002258
1400 E. TREMONT ST.
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PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EXPANSION JOINT REMOVAL & REPLACEMENT (2 OF 2)
STRUCTURE NO. 090-0130
SHEET 5 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	71
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0130\090130_05_west expansion joint removal and replacement (2 of 2).dgn

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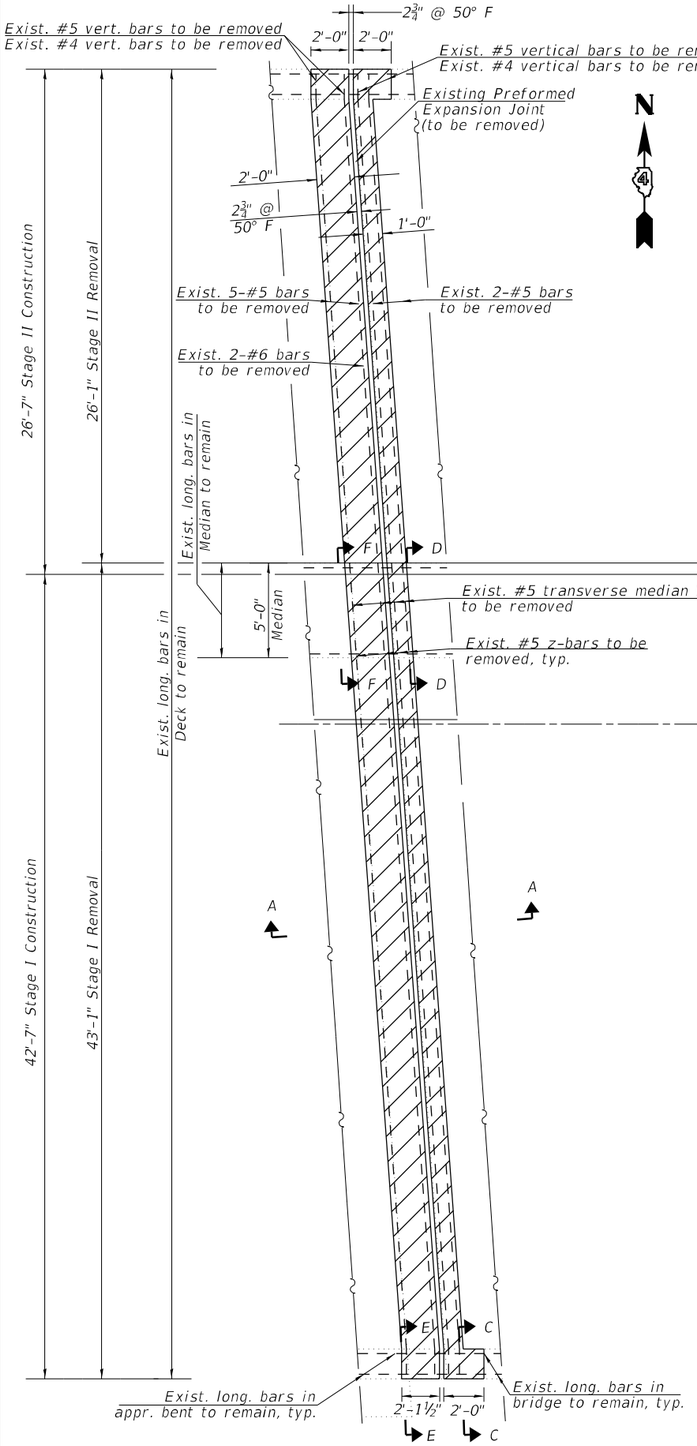
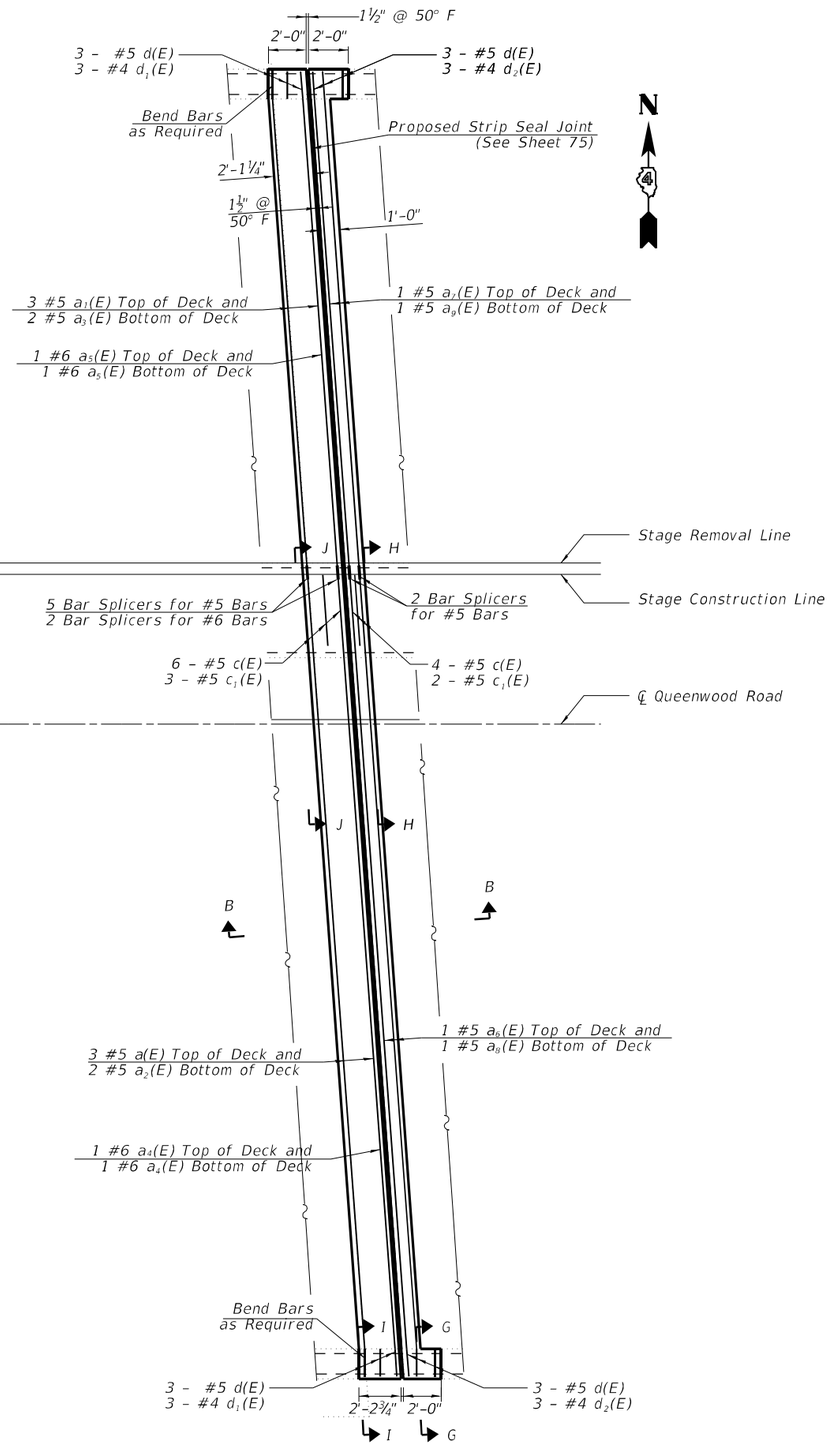
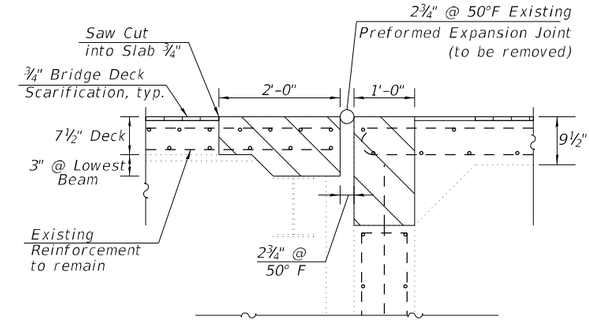


CONCRETE REMOVAL AT E. ABUT.

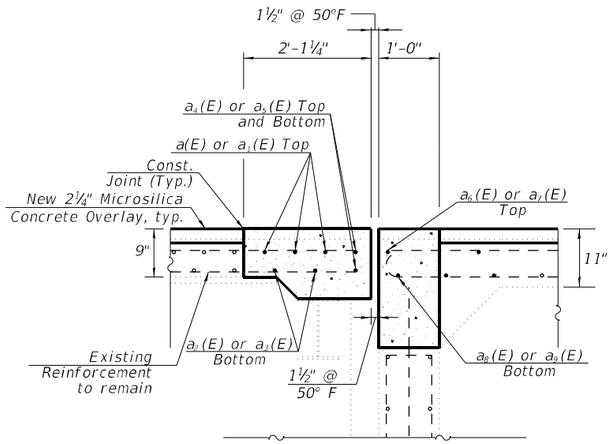


CONCRETE REPLACEMENT AT E. ABUT.



SECTION - A-A

(Dims. at Rt. ℄'s to End of Deck)



SECTION - B-B

(Dims. at Rt. ℄'s to End of Deck)

LEGEND

- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure

NOTES

1. See Sheet 73 for sections C-C through J-J, Bar Diagrams, and Bill of Materials.

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184.005208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST EXPANSION JOINT REMOVAL & REPLACEMENT (1 of 2)
STRUCTURE NO. 090-0130

SHEET 6 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	72
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0130\090130_06_east expansion joint removal and replacement (1 of 2).dgn
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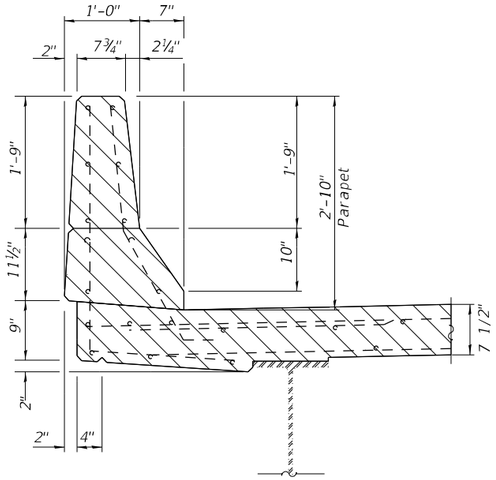
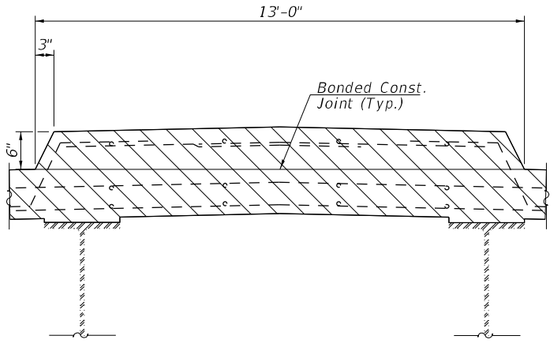
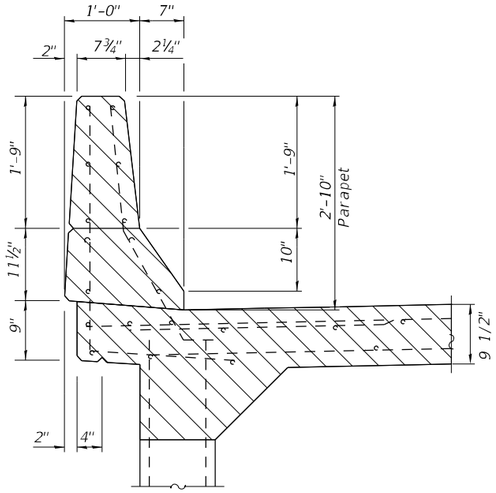


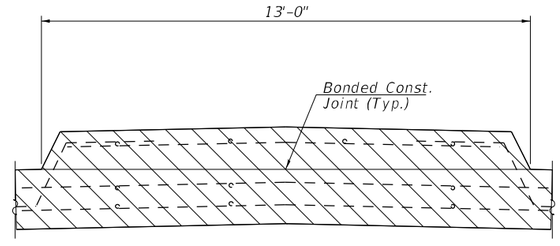
SECTION C-C



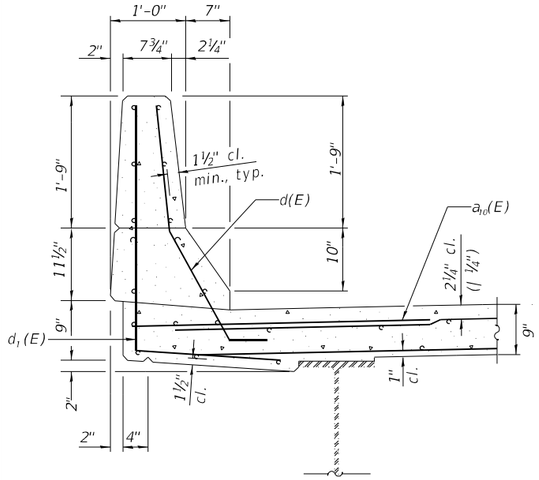
SECTION D-D



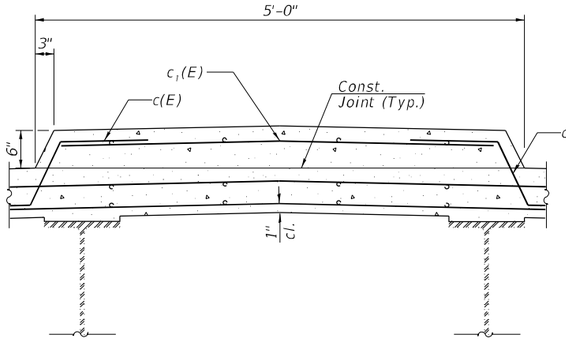
SECTION E-E



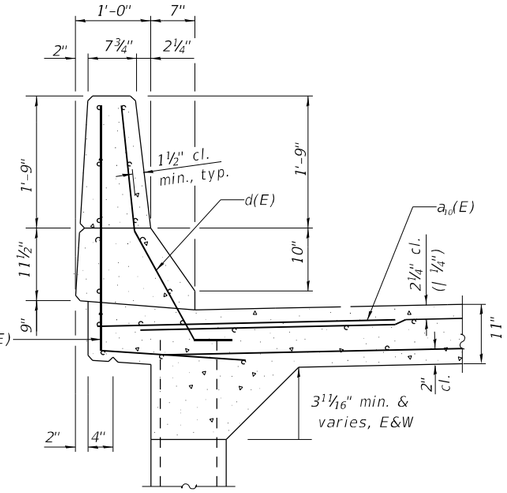
SECTION F-F



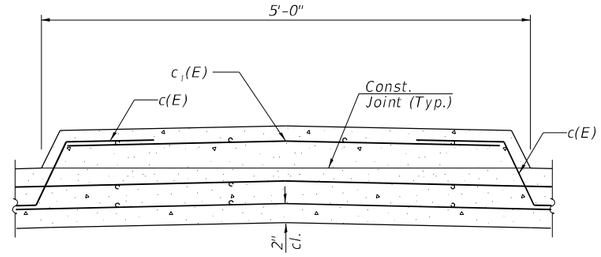
SECTION G-G



SECTION H-H



SECTION I-I



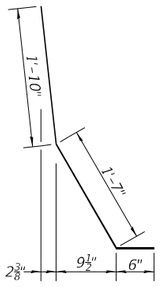
SECTION J-J

NOTES

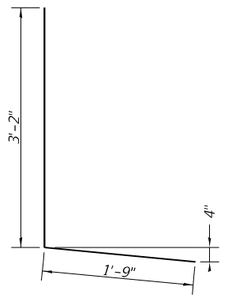
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. Cut reinforcing bars in field to fit as required.

LEGEND

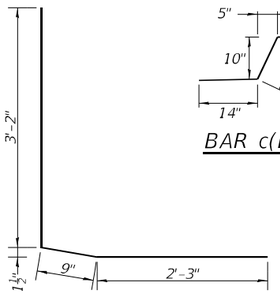
Concrete Removal



BAR d(E)



BAR d_1(E)



BAR d_2(E)

BAR c(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	3	#5	41'-8"	
a1(E)	3	#5	24'-6"	
a2(E)	2	#5	41'-8"	
a3(E)	2	#5	24'-6"	
a4(E)	2	#6	41'-8"	
a5(E)	2	#6	24'-6"	
a6(E)	1	#5	41'-8"	
a7(E)	1	#5	24'-6"	
a8(E)	1	#5	41'-8"	
a9(E)	1	#5	24'-6"	
a10(E)	10	#6	4'-0"	
c(E)	10	#5	3'-3"	
c1(E)	5	#5	4'-3"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	4'-11"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated			Lbs.	895
Concrete Superstructure			Cu. Yds.	10.4
Concrete Removal			Cu. Yds.	9.2
Protective Coat			Sq. Yds.	6

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184002258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

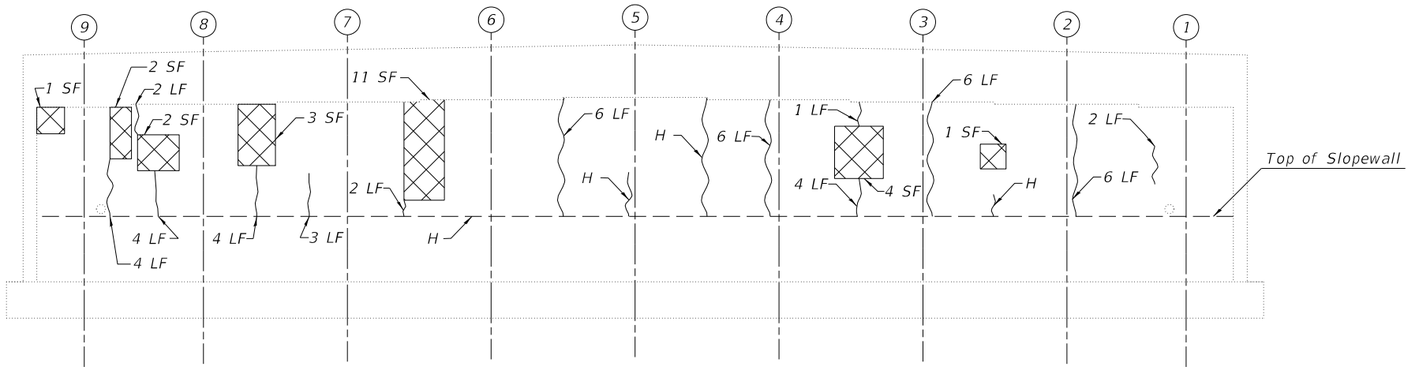
EAST EXPANSION JOINT REMOVAL & REPLACEMENT (2 OF 2)
STRUCTURE NO. 090-0130
SHEET 7 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	73
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMEs
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0130\090130_07_east expansion joint removal and replacement (2 of 2).dgn

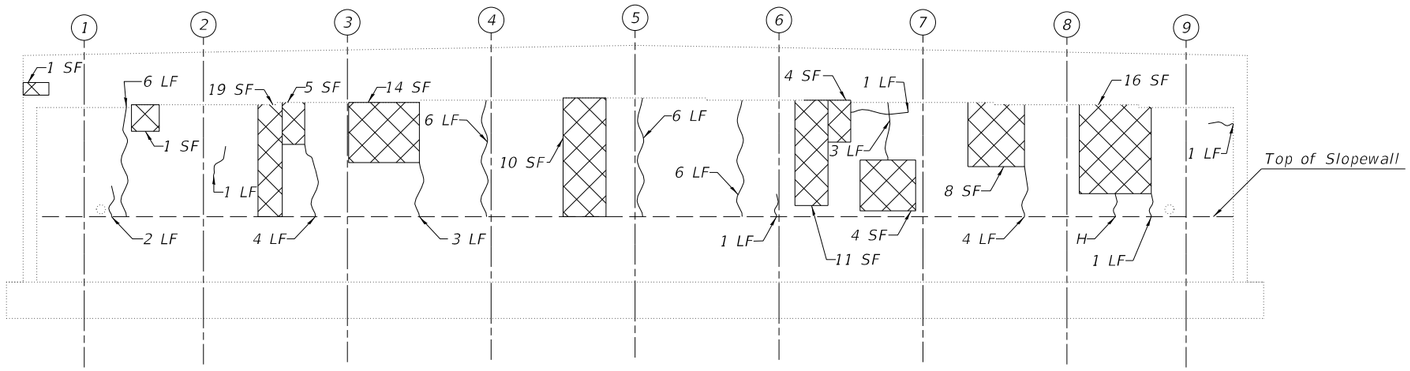
3/18/2024 10:01:19 AM

Notes:
1. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.
2. SF = Square Feet



WEST ABUTMENT ELEVATION

(Looking West)



EAST ABUTMENT ELEVATION

(Looking East)

LEGEND

H	Hairline Crack
~	Epoxy Crack Injection
▨	Structural Repair of Concrete (Depth Equal To or Less than 5 inches)
SF	- Square Foot
LF	- Linear Foot

BILL OF MATERIAL

Item	Unit	Quantity
Epoxy Crack Injection	Foot	95
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft.	117

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM# 184.001268
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ABUTMENT REPAIR DETAILS STRUCTURE NO. 090-0130	SHEET 8 OF 11 SHEETS
	CHECKED - CJC	REVISED - ----------			
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------			
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	74
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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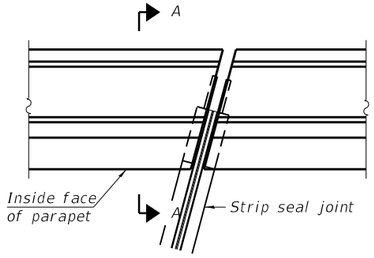
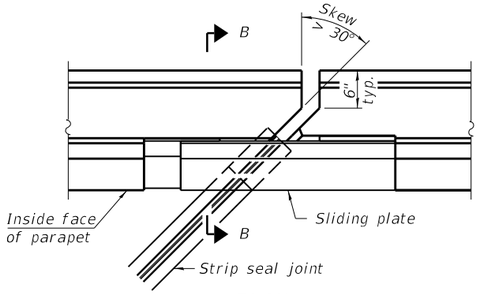
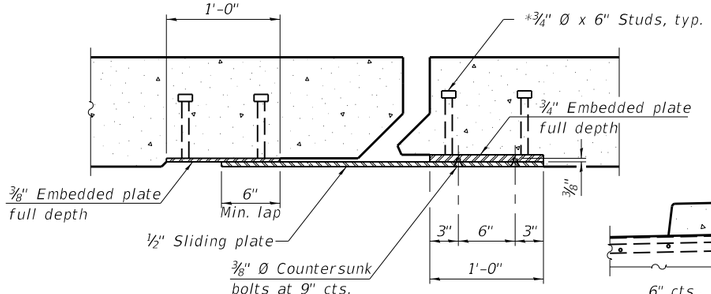


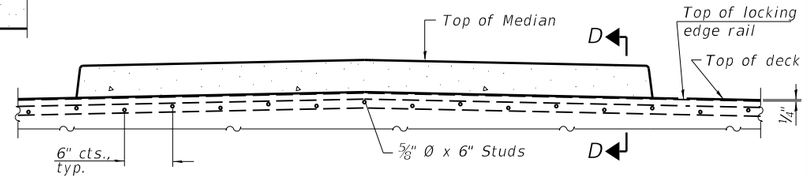
PLAN
(For skews < 30°)



PLAN
(For skews > 30°)
Showing point block

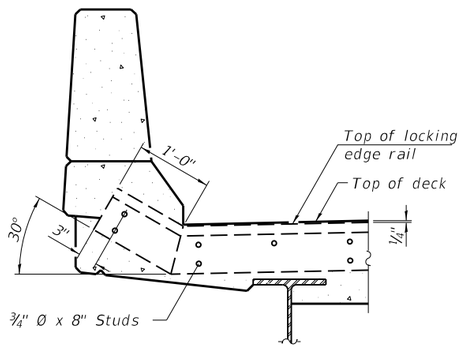


SECTION C-C

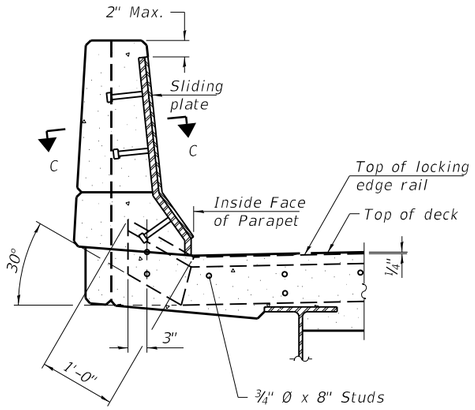


SECTION AT MEDIAN

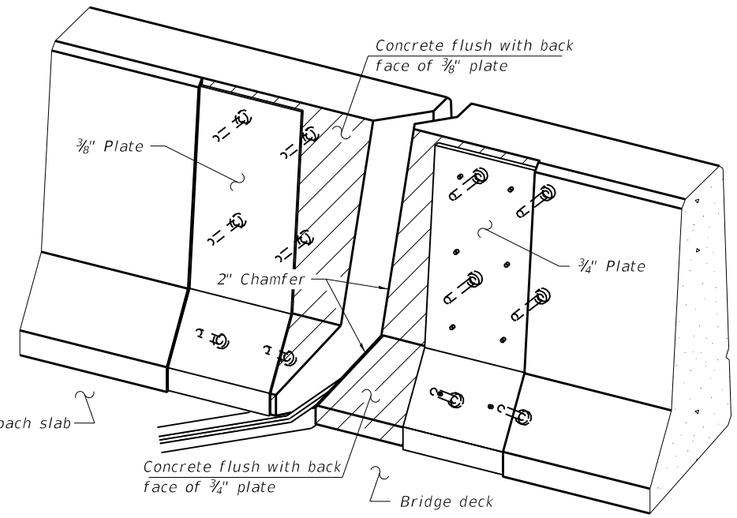
For skews > 30°, chamfer acute corners 2" similar to sidewalk.



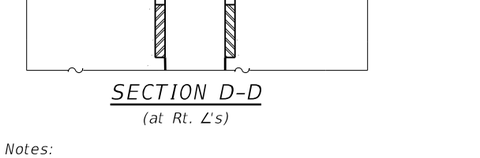
SECTION A-A



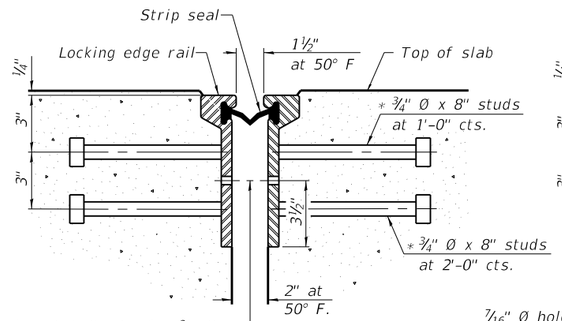
SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

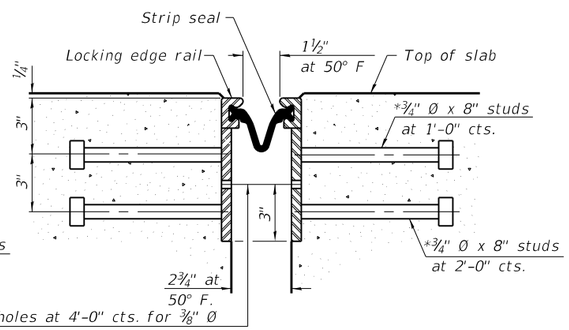


SECTION D-D
(at Rt. ℄'s)



7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

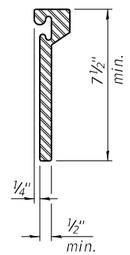
SECTION THRU
ROLLED RAIL JOINT



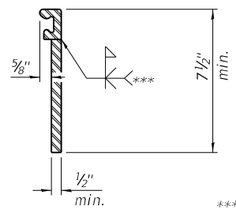
7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
WELDED RAIL JOINT

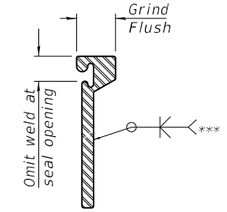
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED
EXTRUDED RAIL



WELDED RAIL



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

LOCKING EDGE RAILS

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.

Rolled rail shown, welded rail similar.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". 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 conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

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

Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	139

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-006288
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------		DESIGNED - JJC		REVISED - ----------	
		CHECKED - CJC		REVISED - ----------	
PLOT SCALE = ----------		DRAWN - AE		REVISED - ----------	
PLOT DATE = ----------		CHECKED - CJC		REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 090-0130

SHEET 9 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	75
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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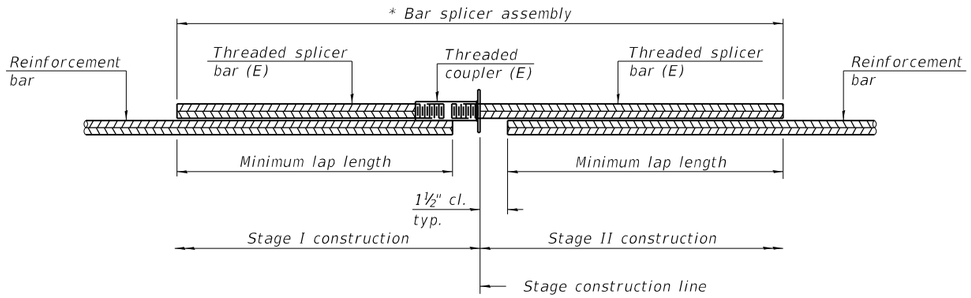


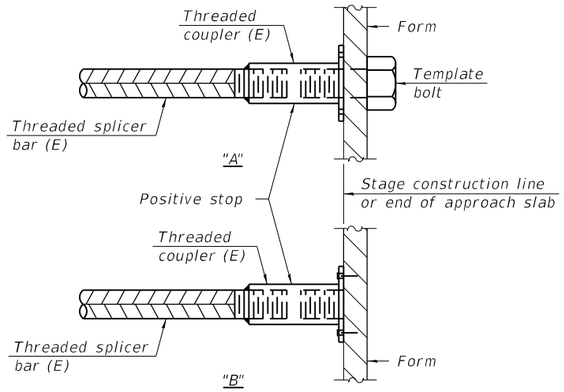
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 1½" + thread length

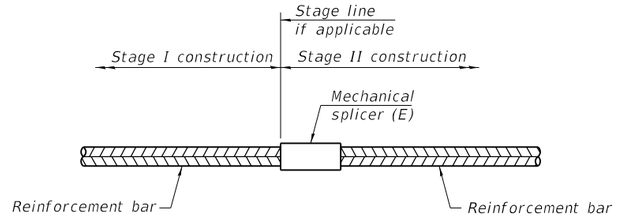
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
West Abutment	#5	7	3'-4"
East Abutment	#5	7	3'-4"
West Abutment	#6	2	4'-0"
East Abutment	#6	2	4'-0"



INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

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 *2-1-2023*

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO, 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - RGA	REVISED - ----------	
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 090–0130
SHEET 10 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	76
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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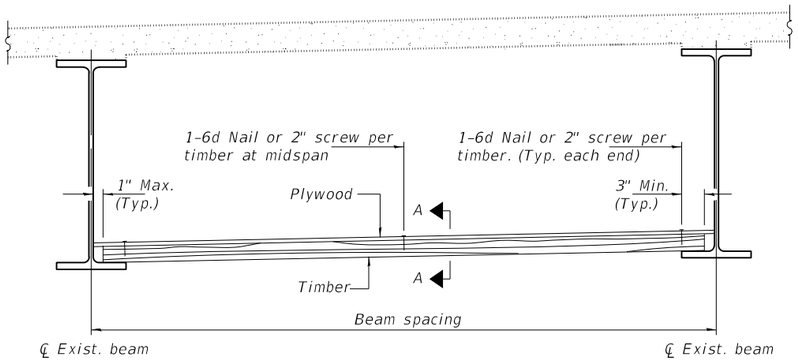
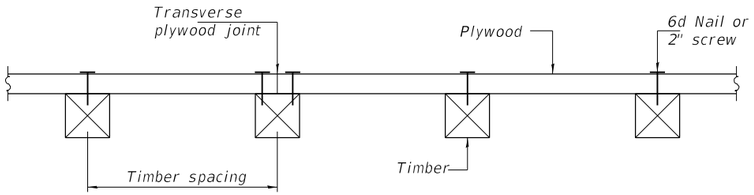


STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

Notes: See special provision for Permanent Protective Shield System.

Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.

The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions. All timber shall be treated.

Plywood shall be 5/8" rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	648

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0130\090130_11_Permanent Protective Shield.dgn
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Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184001208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME =	DESIGNED JJC	REVISED -
	CHECKED CJC	REVISED -
PLOT SCALE =	DRAWN AE	REVISED -
PLOT DATE =	CHECKED CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT PROTECTIVE SHIELDING
STRUCTURE NO. 090-0130
SHEET 11 OF 11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	77
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

Benchmark:
TBM 20: R.R. Spike P.P. S.E. Corner Broadway & RTE 121, Elev. 684.53

Existing Structure No. 090-0132:
The existing structure is a two span bridge with a 7½" concrete deck supported by 42" Web Plate Girders. The structure was constructed in 1988 as Section 90-(107)HB. The superstructure is supported by closed vaulted abutments. It has an out to out deck width of 65'-2" and a 194'-10" back to back abutment length.

SCOPE OF WORK

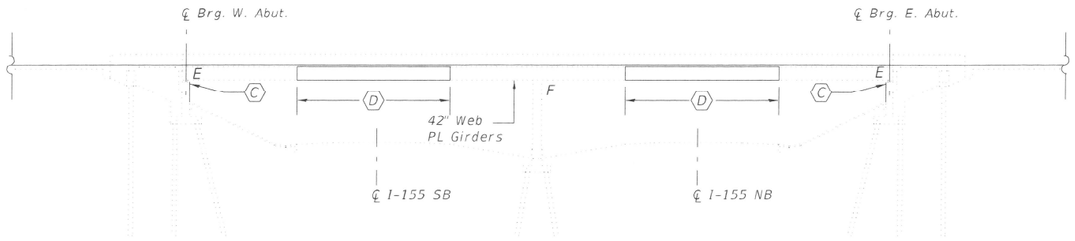
1. Implement Traffic Control and shift EB and WB traffic to the North side of the structure
2. Install Permanent Protective Shield above the NB and SB I-155 as indicated on the plans
3. Remove Inlet Grates and Replace with RipRap Swales per civil sheets
4. Perform Bridge Deck Scarification ¾"
5. Perform Deck Slab and Concrete Median Repairs as indicated on the Plans, Fill Relief Joint Cracks as Needed
6. Perform Expansion Joint Reconstruction
7. Perform Bridge Deck Microsilica Concrete Overlay 2¼"
8. Shift EB and WB Traffic to the South Side of the Structure and repeat Items 3 through 7 above
9. Perform Abutment Repairs at locations indicated on Plans

INDEX OF SHEETS

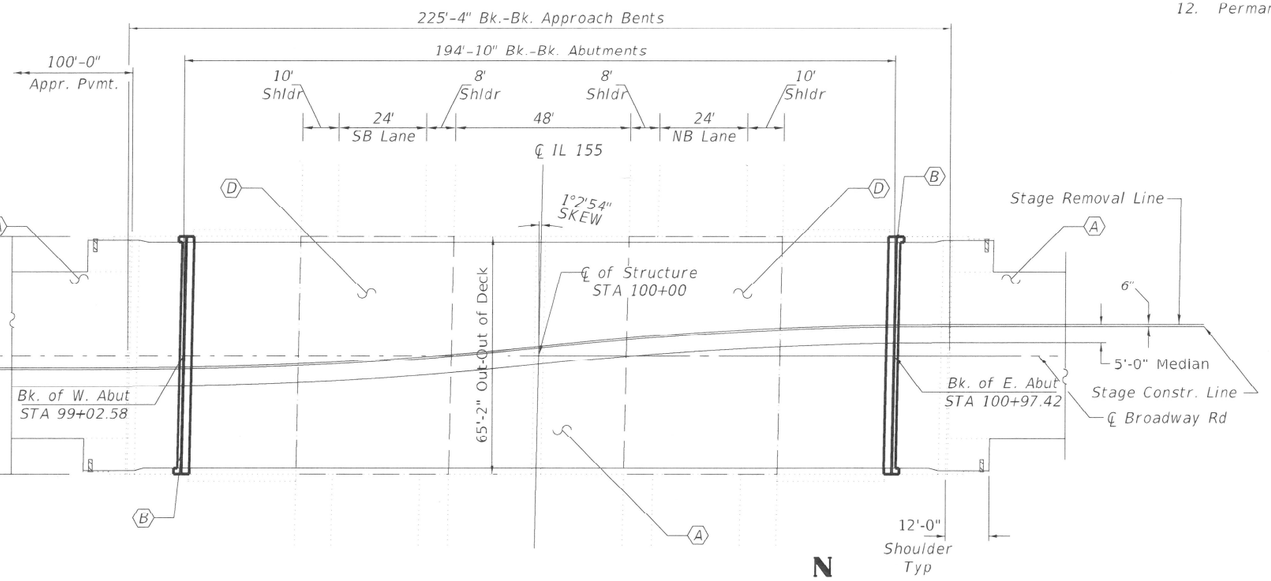
TOTAL BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
	Concrete Removal	Cu. Yd.	17.2
	Concrete Structures	Cu. Yd.	6.9
	Concrete Superstructure	Cu. Yd.	19.4
	Bridge Deck Grooving	Sq. Yd.	2203
	Protective Coat	Sq. Yd.	2375
	Reinforcement Bars, Epoxy Coated	Lbs	2645
	Bar Splicers	Each	18
	Preformed Joint Strip Seal	Foot	131
	Epoxy Crack Injection	Foot	10
*	Protective Shield (Permanent)	Sq. Yd.	612
*	Surface Filler (Special)	Gallon	9
*	Protective Coat (Special)	Sq. Yd.	583
*	Bridge Deck Scarification ¾"	Sq. Yd.	2325
*	Bridge Deck Microsilica Concrete Overlay 2¼"	Sq. Yd.	2325
*	Concrete Median Repair	Sq. Ft.	85
*	Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	399
*	Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	40
*	Slopewall Slurry Pumping	Cu. Yd.	8.4

* Denotes Special Provision



ELEVATION



PLAN

KEYED NOTES

- (A) Bridge Deck Scarification ¾" and 2¼" Microsilica Concrete Overlay
- (B) Expansion Joint Replacement
- (C) Structural Repair of Abutments
- (D) Permanent Protective Shielding

LEGEND

- Expansion Joint Replacement
- Limits of ¾" Scarification and 2¼" Microsilica Concrete Overlay
- Limits of Protective Shield (Permanent)

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 cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 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 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 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.

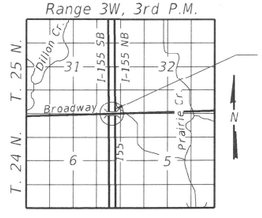
Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental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

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-7200
STATE OF ILLINOIS
Date: 2/9/24

CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 7200
EXPIRES: NOVEMBER 30, 2024



LOCATION SKETCH

GENERAL PLAN & ELEVATION
BROADWAY ROAD
OVER I-155
TAZEWELL COUNTY
STATION 100+00.00
STRUCTURE NO. 090-0132

Hurst-Rosche, Inc. PROFESSIONAL DESIGN NUMBER 184.002298 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = _____	DESIGNED - JJC	REVISED - _____
		CHECKED - CJC	REVISED - _____
	PLOT SCALE = _____	DRAWN - RGA	REVISED - _____
	PLOT DATE = _____	CHECKED - CJC	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 090-0132
SHEET 1 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	78
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAME$
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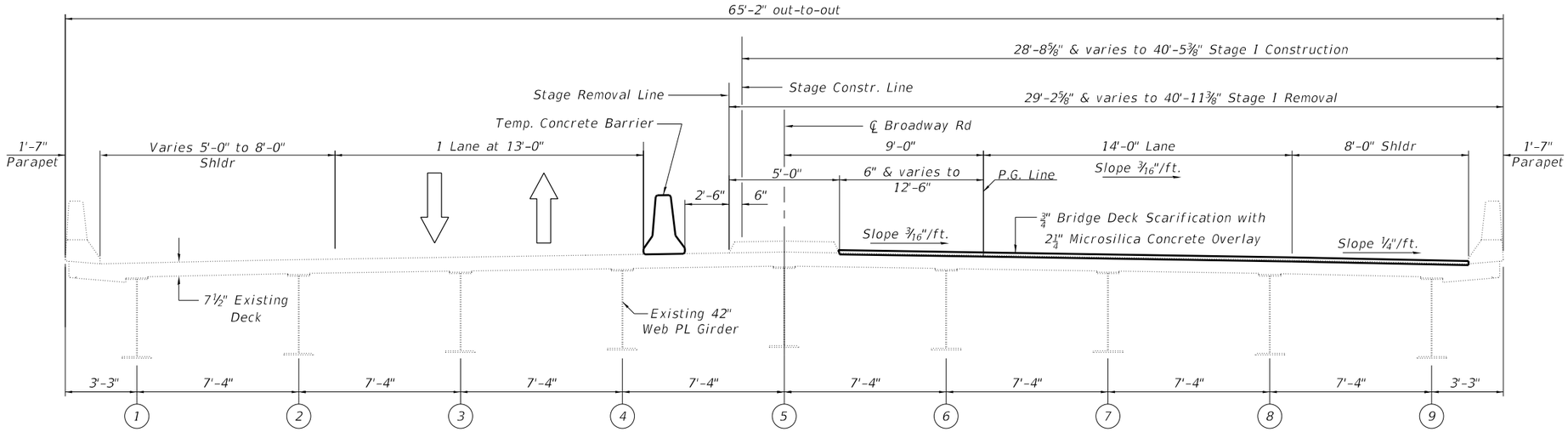
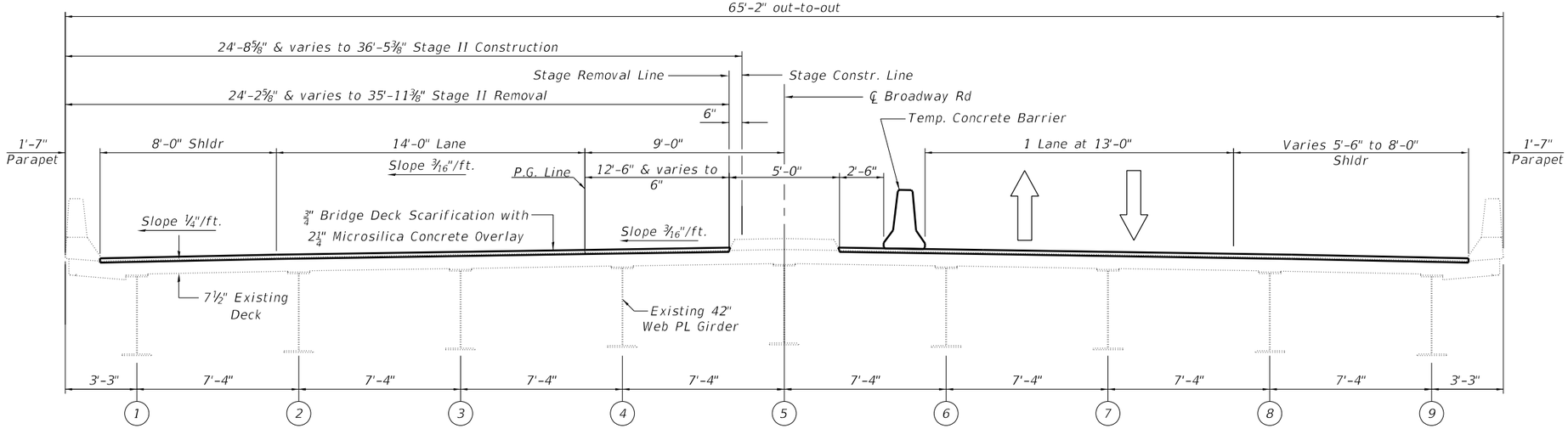
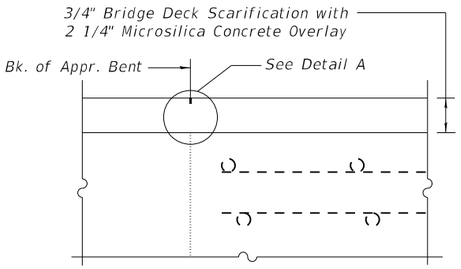


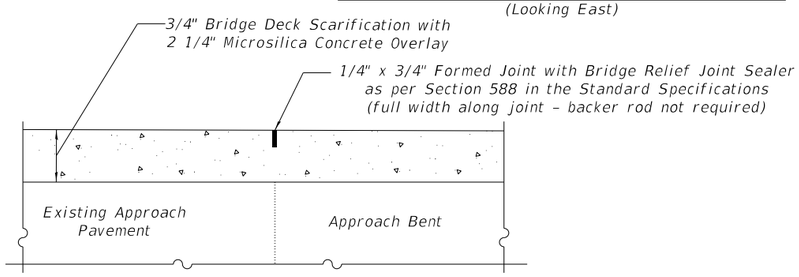
STAGE I REMOVAL AND CONSTRUCTION
(Looking East)



STAGE II REMOVAL AND CONSTRUCTION
(Looking East)



SECTION AT APPROACH



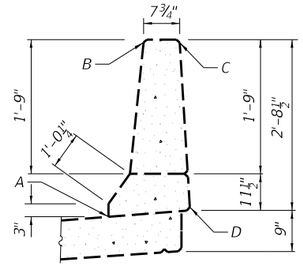
DETAIL A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Surface Filler (Special)	Gallon	9
Protective Coat (Special)	Sq. Yd.	583

NOTES

1. Surface Filler (Special) and Protective Coat (Special) shall be applied per the Special Provisions.
2. Protective Coat (Special) to cover from Point A through Points B, C and D of the Parapet.



PARAPET SEALING DETAIL

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER: 184.005508
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ...	DESIGNED - JJC	REVISED -	
	CHECKED - CJC	REVISED -	
PLOT SCALE = ...	DRAWN - AE	REVISED -	
PLOT DATE = ...	CHECKED - CJC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION
STRUCTURE NO. 090-0132
SHEET 2 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	79
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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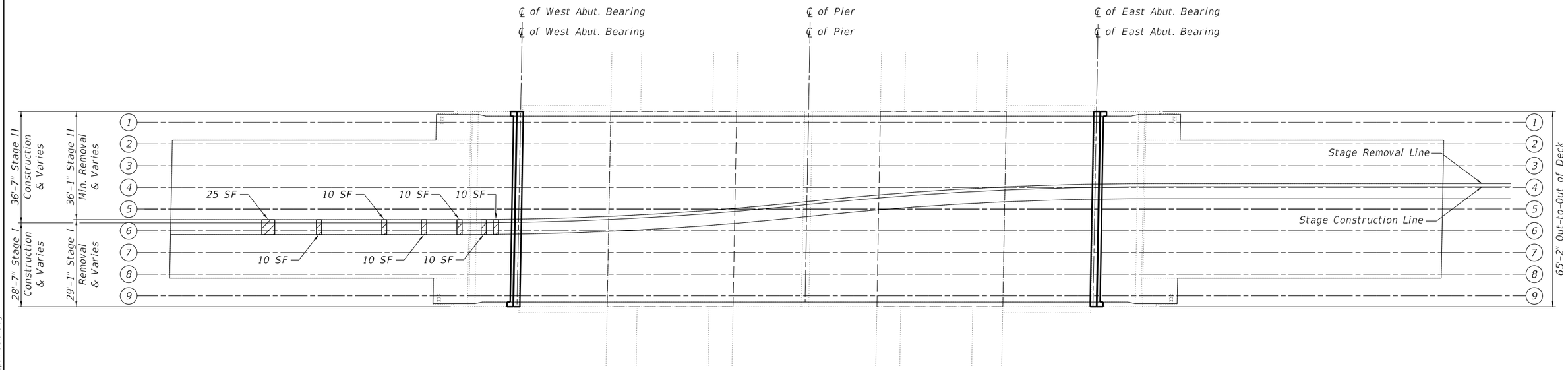
Notes:
1. Locations and dimensions shown are approximate. The Engineer will determine final patch locations and quantities in the fild before bridge deck and approach slab patching operations begin.
2. Engineer in field shall record any additional deck repairs performed prior to deck scarification in order to document as-built conditions for futue reference.
3. All Concrete Median Repair is to occur during stage I as shown in the plans.
4. SF = Square Feet



LEGEND

Concrete Median Repair

Limits of Protective Shielding (Permanent)

DECK REPAIR PLAN

N

BILL OF MATERIAL

Item	Unit	Quantity
Protective Coat	Sq. Yd.	2375
Protective Shield (Permanent)	Sq. Yd.	612
Bridge Deck Scarification	Sq. Yd.	2325
Bridge Deck Microsilica Overlay	Sq. Yd.	2325
Concrete Median Repair	Sq. Ft.	85

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------
	CHECKED - CJC	REVISED - ----------
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR PLAN
STRUCTURE NO. 090-0132
SHEET 3 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	80
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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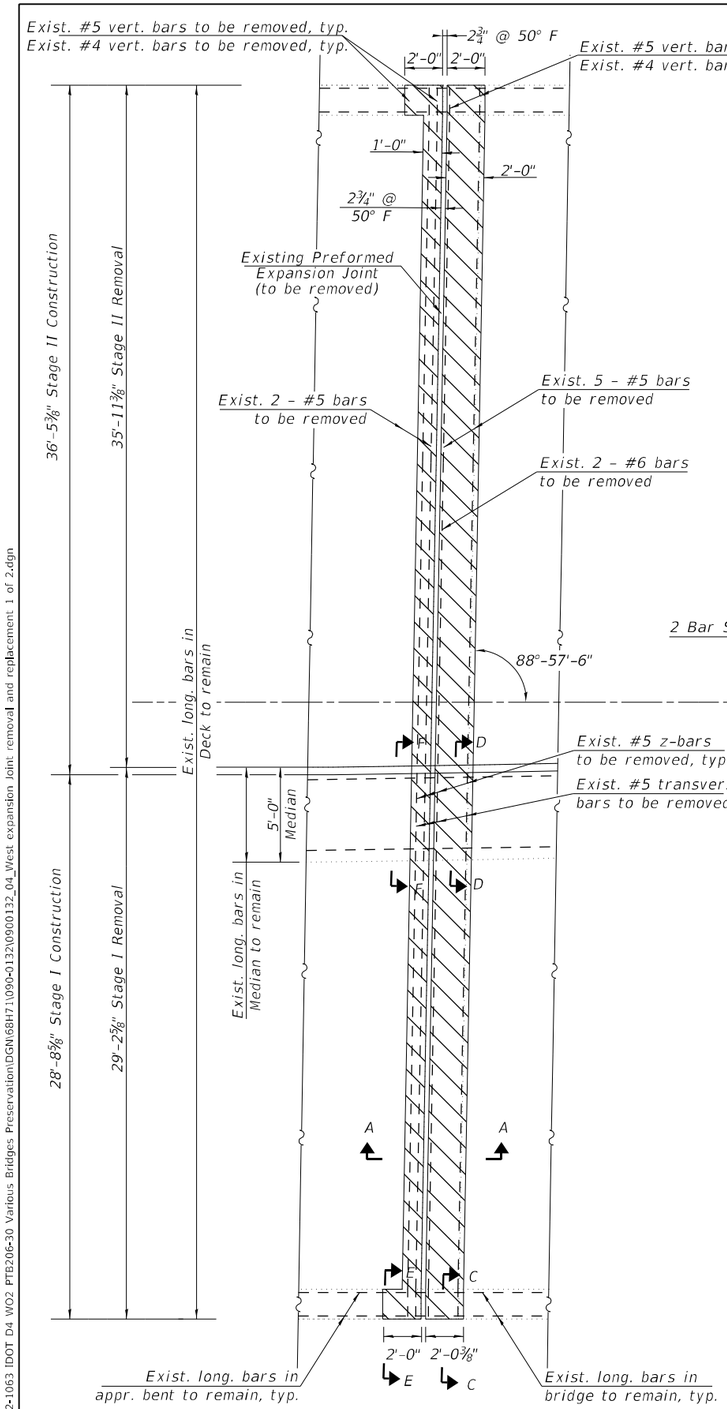
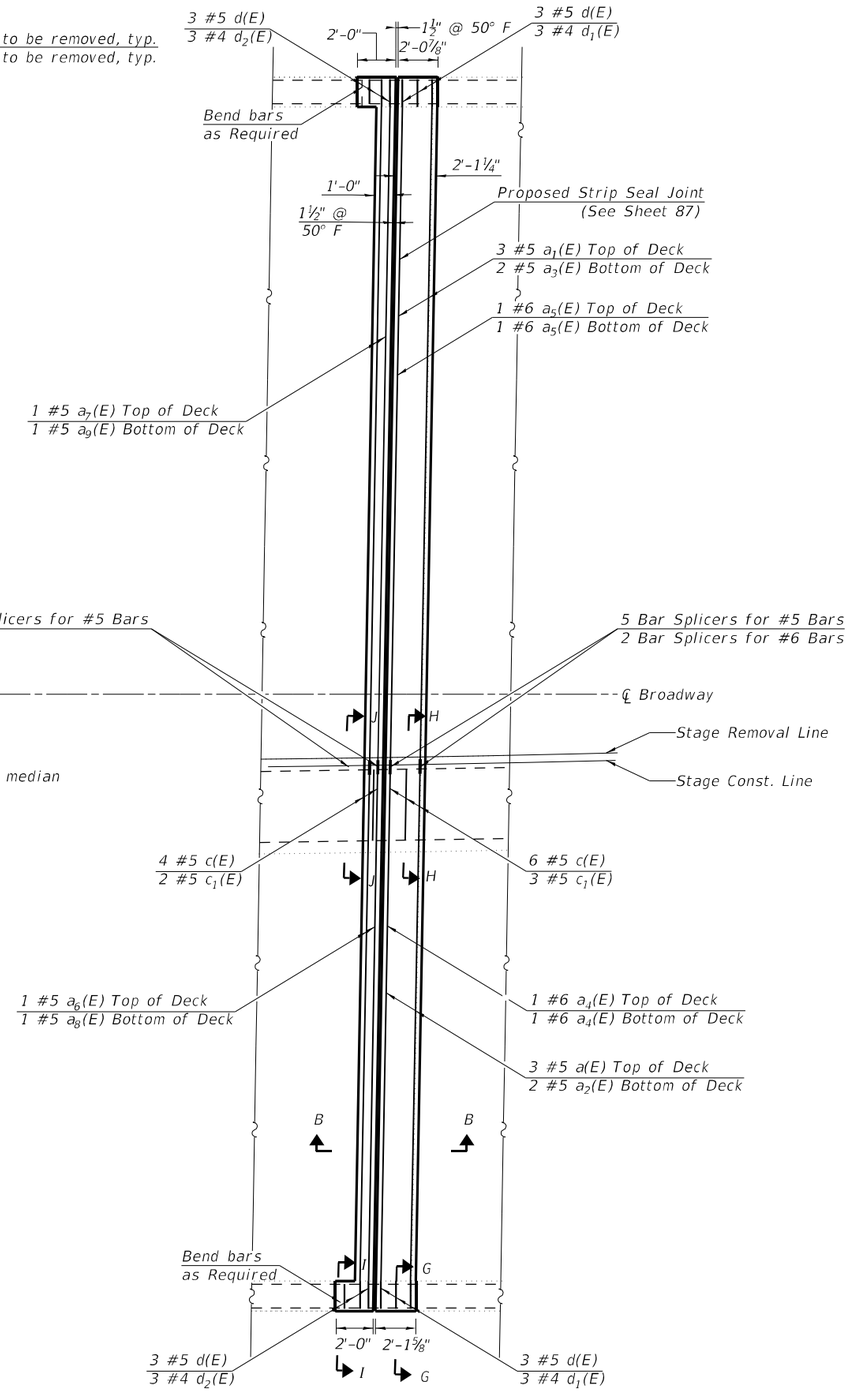
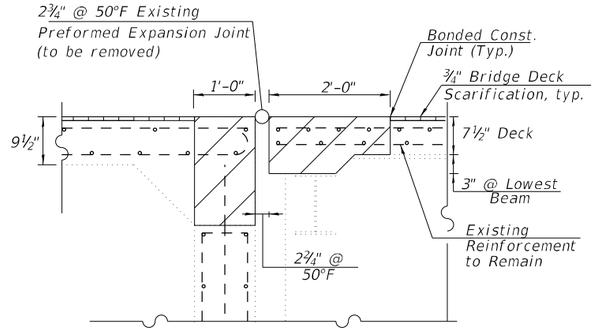


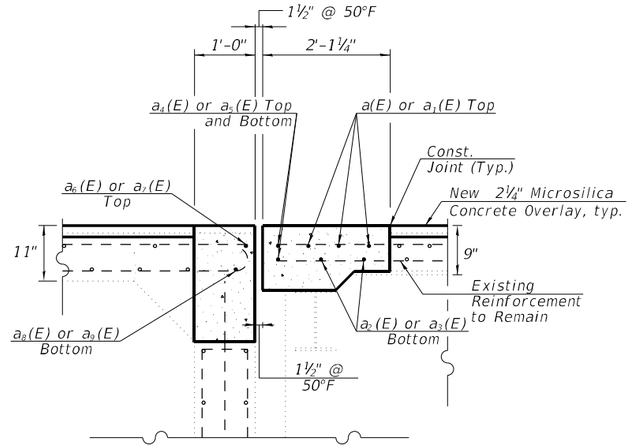
CONCRETE REMOVAL AT W. ABUT.



CONCRETE REPLACEMENT AT W. ABUT.



SECTION - A-A
(Dims. at Rt. ℄'s to End of Deck)



SECTION - B-B
(Dims. at Rt. ℄'s to End of Deck)

LEGEND

- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure

NOTES

1. See Sheet 82 for sections C-C through J-J, Bar Diagrams, and Bill of Materials.

MODEL: sMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0132\0900132_04_West expansion joint removal and replacement 1 of 2.dgn
3/18/2024 10:02:25 AM

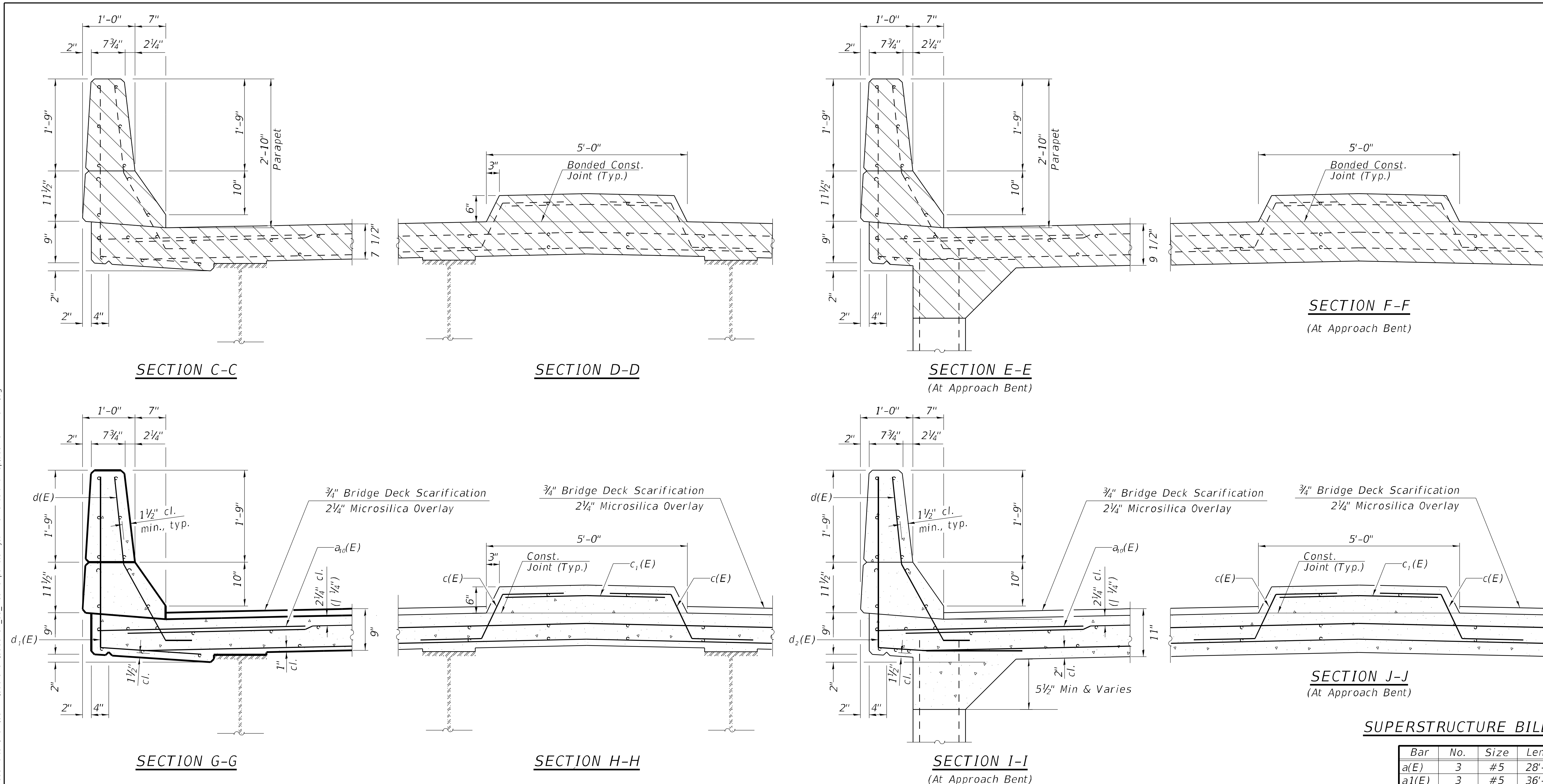
Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EXPANSION JOINT REMOVAL & REPLACEMENT (1 of 2)
STRUCTURE NO. 090-0132
SHEET 4 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	81
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



SECTION C-C

SECTION D-D

SECTION E-E
(At Approach Bent)

SECTION F-F
(At Approach Bent)

SECTION G-G

SECTION H-H

SECTION I-I
(At Approach Bent)

SECTION J-J
(At Approach Bent)

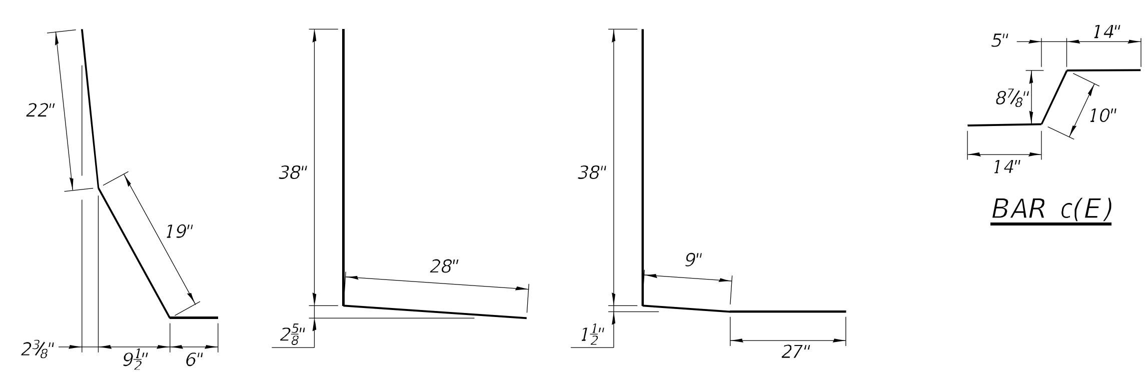
NOTES

Hatched areas indicate Concrete Removal.

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

LEGEND

Concrete Removal



BAR d(E)

BAR d_1(E)

BAR d_2(E)

BAR c(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	3	#5	28'-8"	
a1(E)	3	#5	36'-4"	
a2(E)	2	#5	28'-8"	
a3(E)	2	#5	36'-4"	
a4(E)	2	#6	28'-8"	
a5(E)	2	#6	36'-4"	
a6(E)	1	#5	28'-8"	
a7(E)	1	#5	36'-4"	
a8(E)	1	#5	28'-8"	
a9(E)	1	#5	36'-4"	
a10(E)	10	#6	4'-0"	
c(E)	10	#5	3'-2"	
c1(E)	5	#5	4'-3"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	5'-6"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated		Lbs.	885	
Concrete Superstructure		Cu. Yds.	9.7	
Concrete Removal		Cu. Yds.	8.6	

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM NUMBER 184-000228
1400 E. TREMONT ST.
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PH: 217.532.3959
JOB NO. 192-1063

USER NAME =	DESIGNED - JJC	REVISED -
	CHECKED - CJC	REVISED -
PLOT SCALE =	DRAWN - AE	REVISED -
PLOT DATE =	CHECKED - JJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

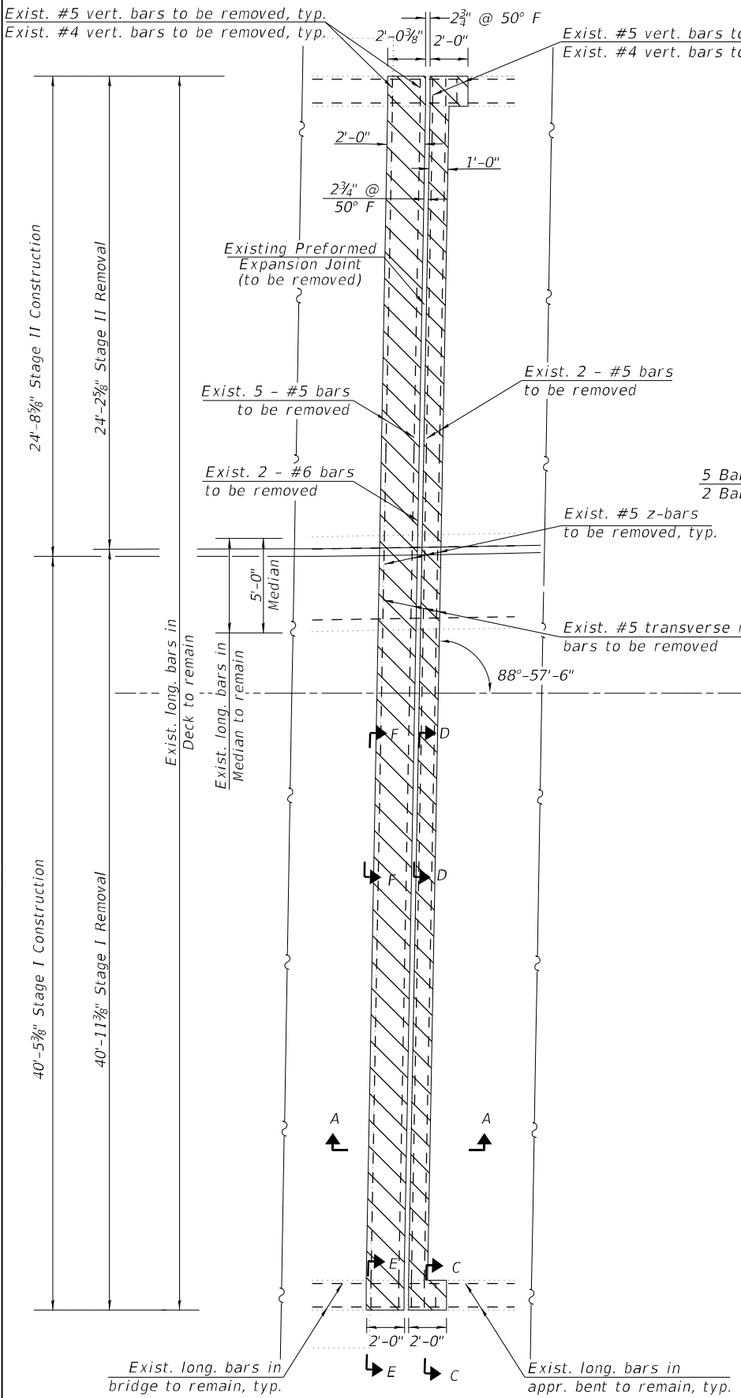
WEST EXPANSION JOINT REMOVAL & REPLACEMENT (2 of 2)
STRUCTURE NO. 090-0132

SHEET 5 OF 12 SHEETS

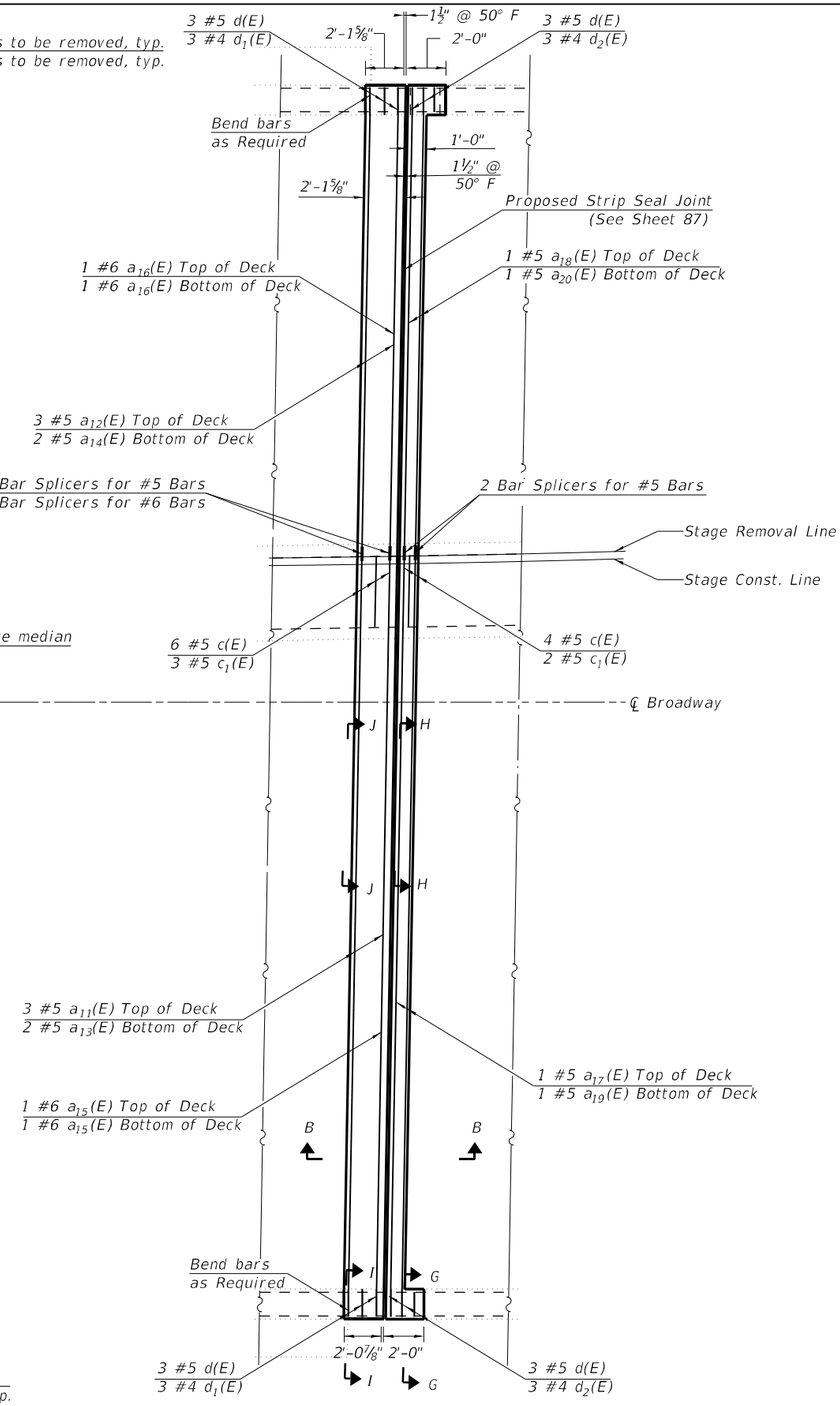
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	82
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0132\0900132_05_west expansion joint removal and replacement 2 of 2.dgn

3/18/2024 10:03:13 AM



CONCRETE REMOVAL AT E. ABUT.



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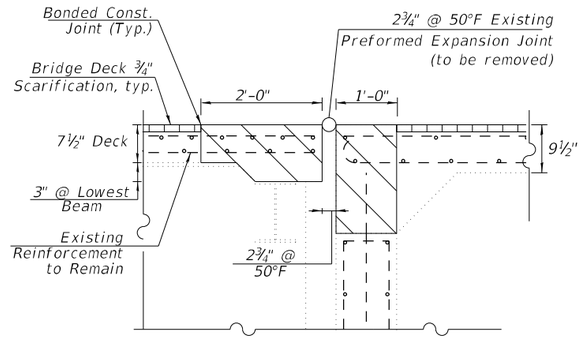
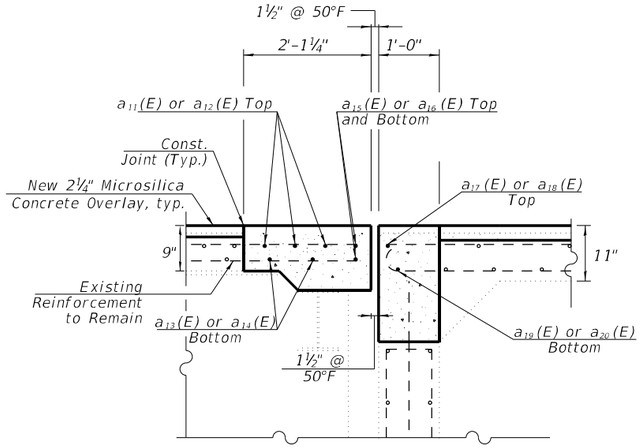


JOINT REMOVAL SECTION - C-C

(Dims. at Rt. L's to End of Deck)



PROPOSED JOINT SECTION - D-D

(Dims. at Rt. L's to End of Deck)

LEGEND

- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure

NOTES

1. See Sheet 84 for sections C-C through J-J, Bar Diagrams, and Bill of Materials.

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184002928
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

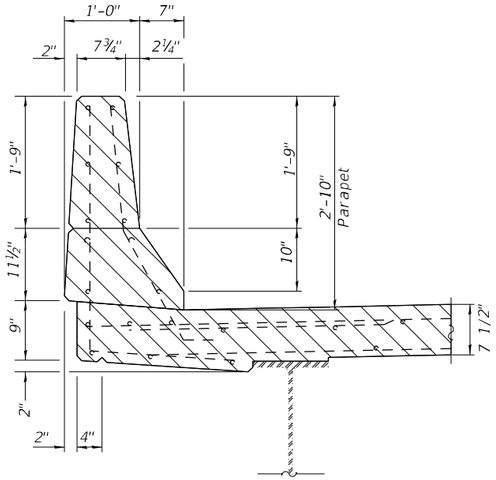
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST EXPANSION JOINT REMOVAL & REPLACEMENT (1 of 2)
STRUCTURE NO. 090-0132

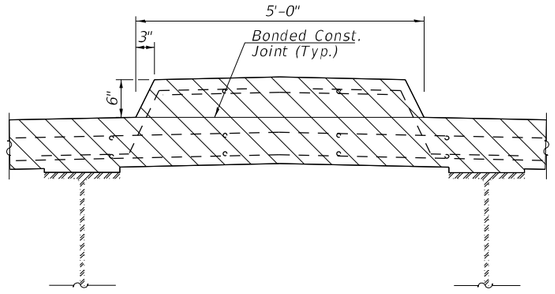
SHEET 6 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	83
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

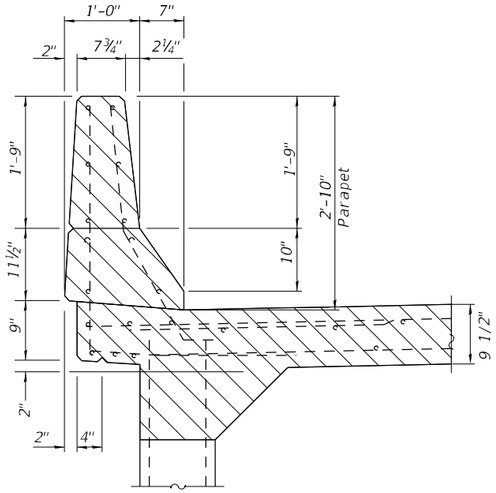
MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0132\090132_06_East expansion Joint removal and replacement 1 of 2.dgn
3/18/2024 10:04:07 AM



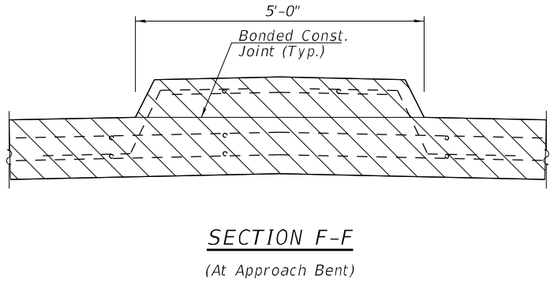
SECTION C-C



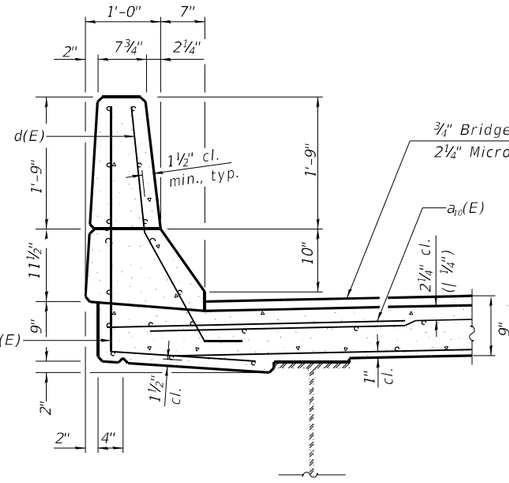
SECTION D-D



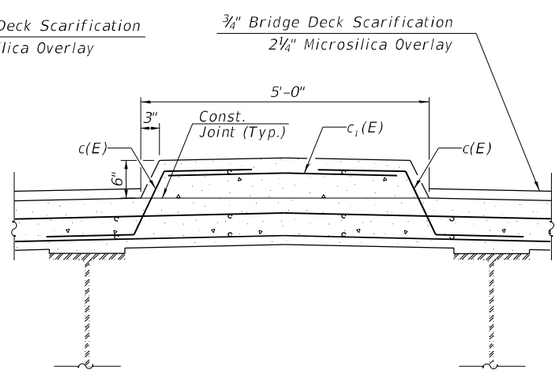
SECTION E-E
(At Approach Bent)



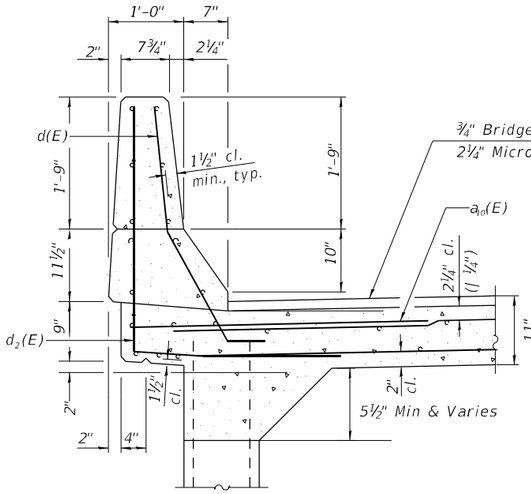
SECTION F-F
(At Approach Bent)



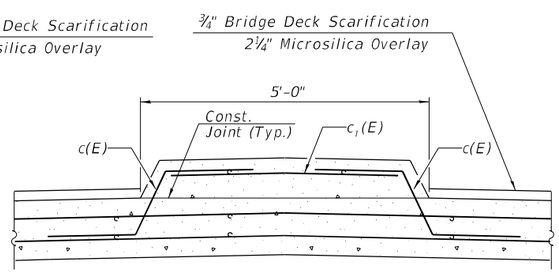
SECTION G-G



SECTION H-H



SECTION I-I
(At Approach Bent)



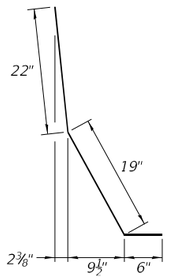
SECTION J-J
(At Approach Bent)

NOTES

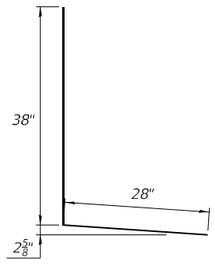
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. Cut reinforcing bars in field to fit as required.

LEGEND

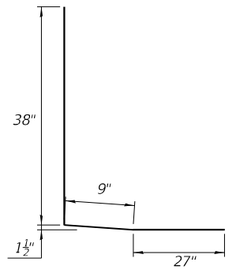
Concrete Removal



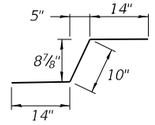
BAR d(E)



BAR d_1(E)



BAR d_2(E)



BAR c(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a11(E)	3	#5	40'-4"	
a12(E)	3	#5	24'-8"	
a13(E)	2	#5	40'-4"	
a14(E)	2	#5	24'-8"	
a15(E)	2	#6	40'-4"	
a16(E)	2	#6	24'-8"	
a17(E)	1	#5	40'-4"	
a18(E)	1	#5	24'-8"	
a19(E)	1	#5	40'-4"	
a20(E)	1	#5	24'-8"	
a10(E)	10	#6	4'-0"	
c(E)	10	#5	3'-2"	
c1(E)	5	#5	4'-3"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	5'-6"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated		Lbs.	885	
Concrete Superstructure		Cu. Yds.	9.7	
Concrete Removal		Cu. Yds.	8.6	

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184.005299 184.006208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

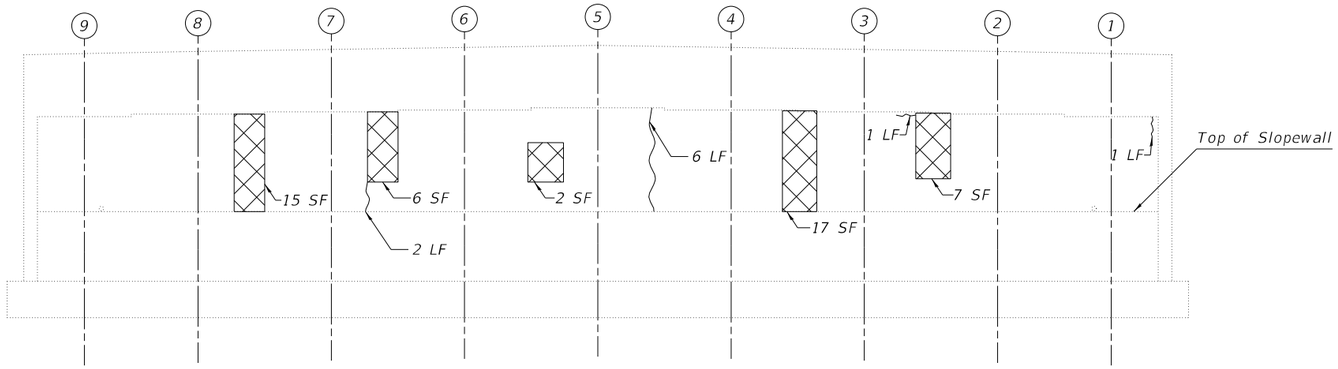
EAST EXPANSION JOINT REMOVAL & REPLACEMENT (2 of 2)
STRUCTURE NO. 090-0132
SHEET 7 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	84
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0132\090132_07_east expansion joint removal and replacement 2 of 2.dgn

3/18/2024 10:05:12 AM

Notes:
1. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.
2. SF = Square Feet



WEST ABUTMENT ELEVATION

(Looking West)

LEGEND

H	Hairline Crack
~	Epoxy Crack Injection
⊠	Structural Repair of Concrete (Depth Equal To or Less than 5 inches)
SF	– Square Foot
LF	– Linear Foot

BILL OF MATERIAL

Item	Unit	Quantity
Epoxy Crack Injection	Foot	10
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft.	47

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0132\0900132_08_West Abutment Repair Details.dgn

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST ABUTMENT REPAIR DETAILS STRUCTURE NO. 090-0132	
	CHECKED - CJC	REVISED - ----------			
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------			
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------		SHEET 8 OF 12 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	85
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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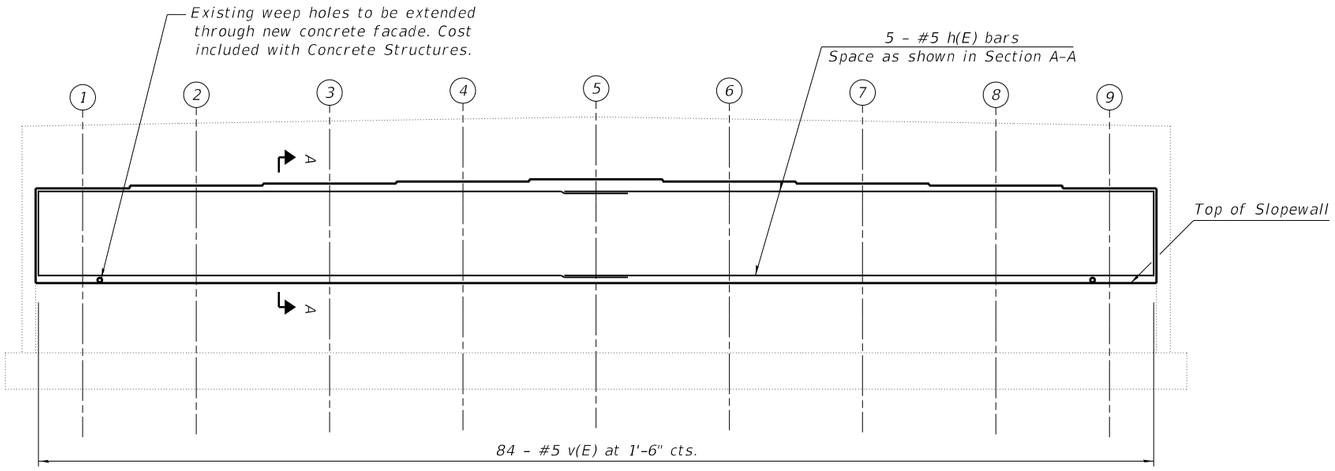
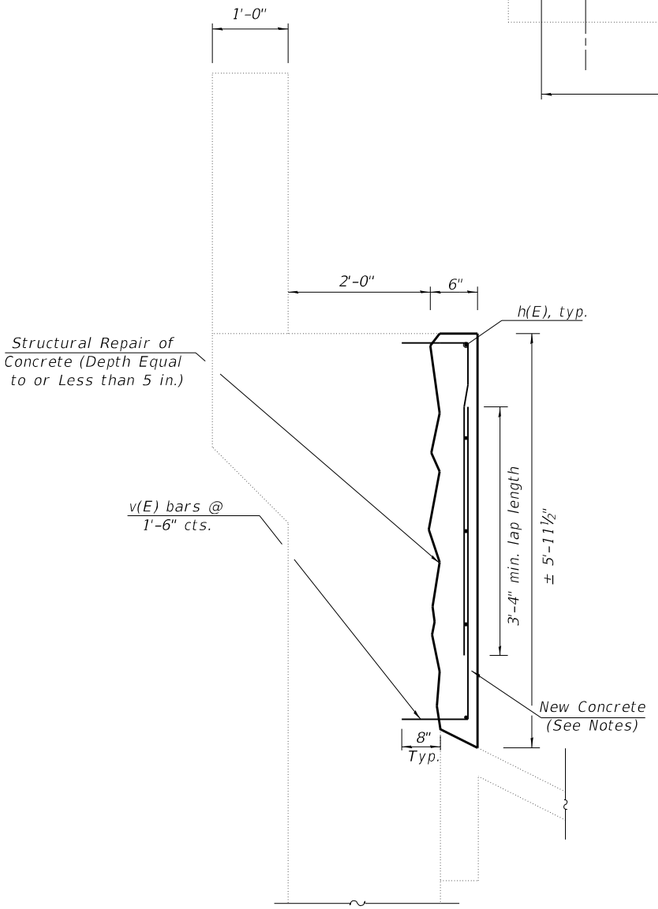
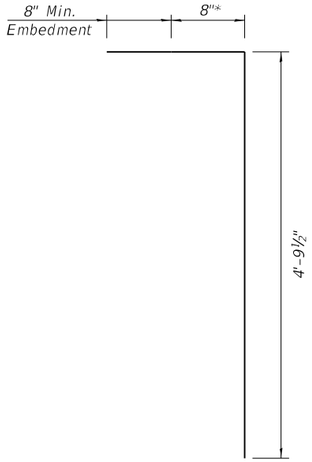


Elevation



Section A-A

* Epoxy grout v(E) bars in 8" min. holes according to Article 584 of the Standard Specifications.



v(E)

* Field cut bars in field to required length, as necessary to account for any deteriorated concrete removal

Notes:

1. All loose and deteriorated concrete shall be removed. The entire face and exposed rebar shall be blast cleaned. All exposed reinforcement bars shall be cleaned, straightened, and incorporated into the new construction. This work will be done, measured, and paid for as Structural Repair of Concrete (Depth Equal to or Less Than 5 inches) except that it will not be necesary to replace existing reinforcement bars that have been cut or have lost 25 percent or more of their original cross sectional area.
2. The deteriorated areas of concrete shall be poured back monolithically with the Concrete Structures facade.
3. The cost of drilling and grouting reinforcement bars is included with the cost of Structural Repair of Concrete (Depth Equal to or Less Than 5 inches).
4. SF = Square Feet

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	10	#5	32'-6"	
v(E)	84	#5	5'-2"	
Reinforcement Bars, Epoxy Coated			Lbs.	875
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)			Sq. Ft.	352
Concrete Structures			Cu. Yds.	6.8

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER: 184.005308
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ...	DESIGNED - JJC	REVISED -	
	CHECKED - CJC	REVISED -	
PLOT SCALE = ...	DRAWN - AE	REVISED -	
PLOT DATE = ...	CHECKED - JJC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT REPAIR DETAILS
STRUCTURE NO. 090-0132
SHEET 9 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	86
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71090-0132\09001132_09_East Abutment Repair Details.dgn
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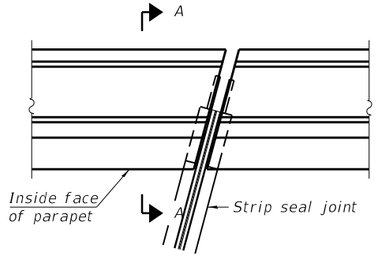
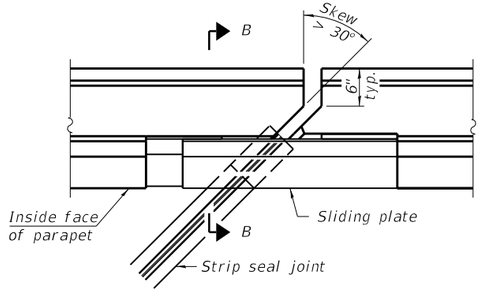
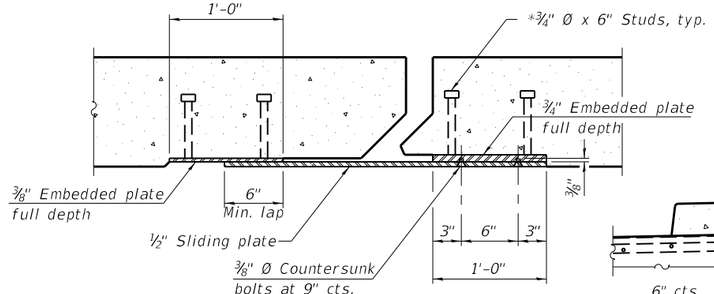


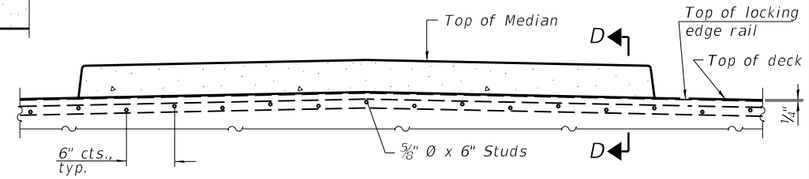
PLAN
(For skews < 30°)



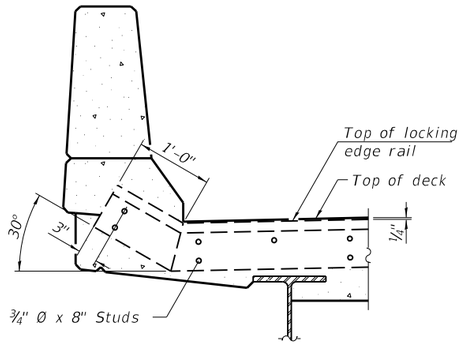
PLAN
(For skews > 30°)
Showing point block



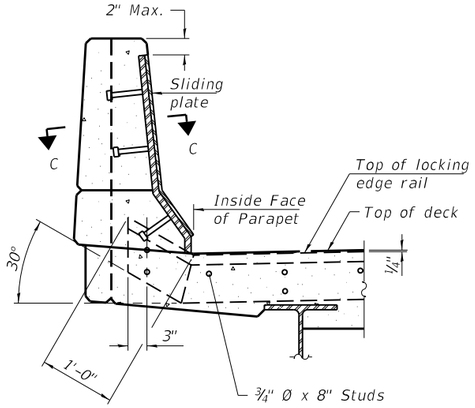
SECTION C-C



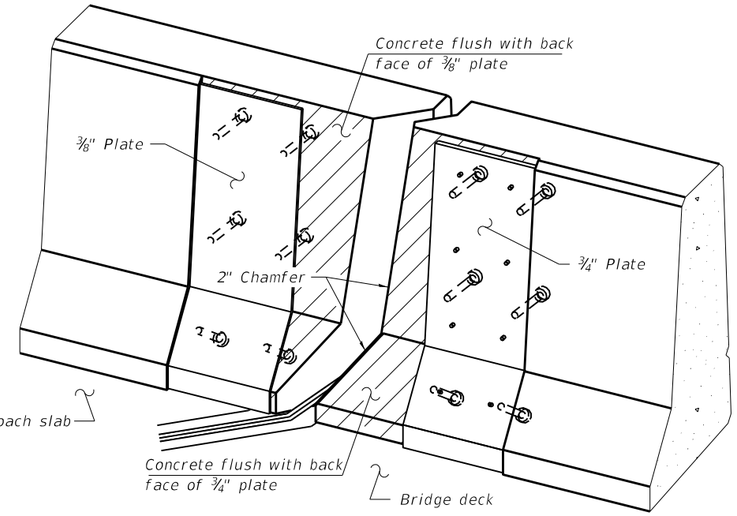
SECTION AT MEDIAN
For skews > 30°, chamfer acute corners 2" similar to sidewalk.



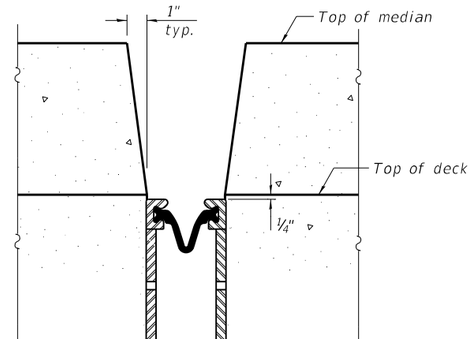
SECTION A-A



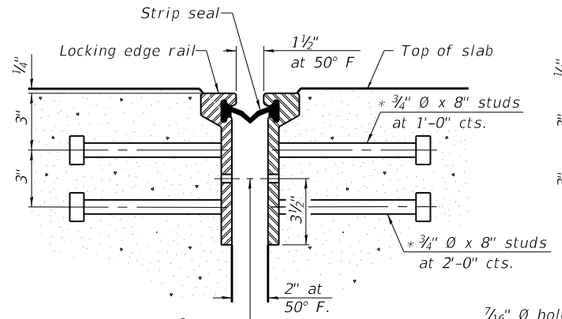
SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

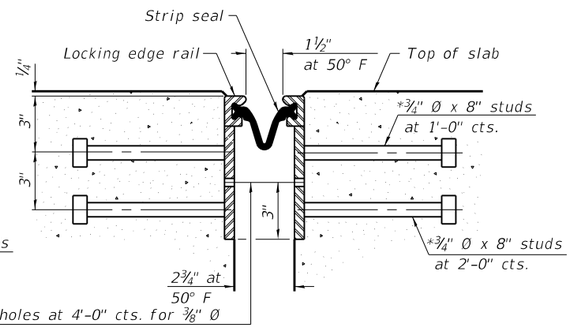


SECTION D-D
(at Rt. ℄'s)



7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

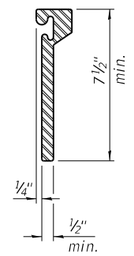
SECTION THRU
ROLLED RAIL JOINT



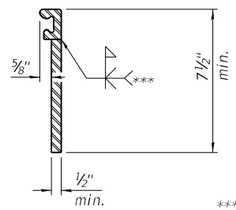
7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
WELDED RAIL JOINT

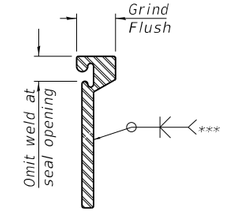
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED
EXTRUDED RAIL



WELDED RAIL



*** 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.

LOCKING EDGE RAILS

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of ¼". 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 conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.
Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	131

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-006288
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------		DESIGNED - JJC		REVISED - ----------	
		CHECKED - CJC		REVISED - ----------	
PLOT SCALE = ----------		DRAWN - AE		REVISED - ----------	
PLOT DATE = ----------		CHECKED - CJC		REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 090-0132
SHEET 10 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	87
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
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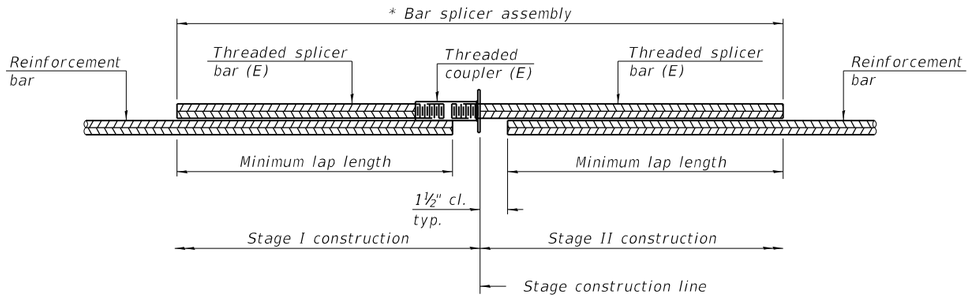


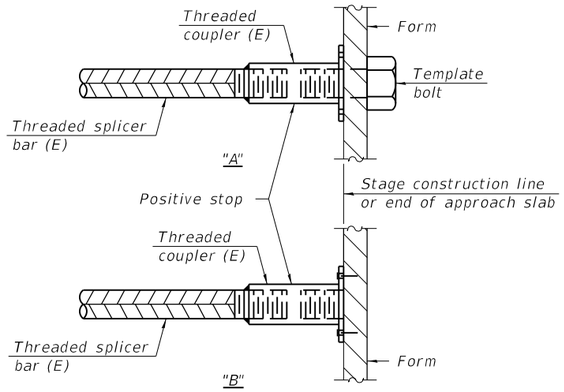
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 1½" + thread length

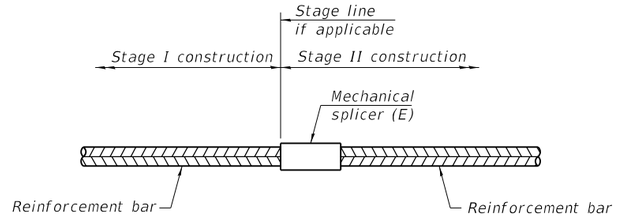
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
West Abutment	#5	7	3'-4"
East Abutment	#5	7	3'-4"
West Abutment	#6	2	4'-0"
East Abutment	#6	2	4'-0"



INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

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 *2-1-2023*

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO, 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------
	CHECKED - CJC	REVISED - ----------
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 090–0132
SHEET 11 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	88
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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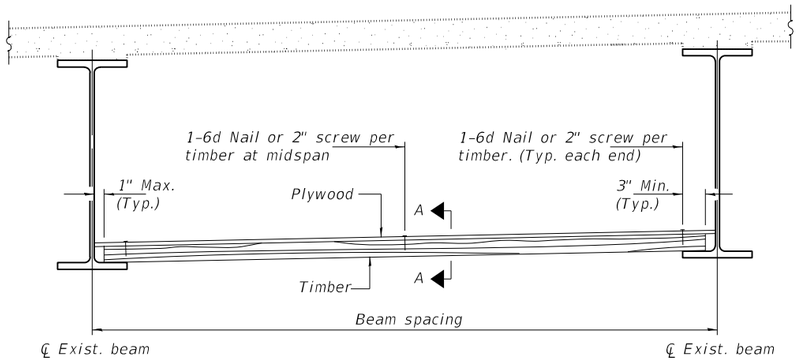
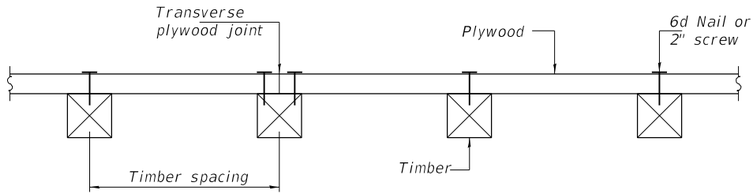
2/9/2024 4:24:28 PM



STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

Notes: See special provision for Permanent Protective Shield System.

Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.

The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions. All timber shall be treated.

Plywood shall be ⅝" rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	612

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184001208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME =	DESIGNED - JJC	REVISED -
	CHECKED - CJC	REVISED -
PLOT SCALE =	DRAWN - AE	REVISED -
PLOT DATE =	CHECKED - JJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT PROTECTIVE SHIELDING
STRUCTURE NO. 090-0132
SHEET 12 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	89
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

Benchmark:
DM-4, Bronze Survey Marker STA. 94+75.00, 37' LT, CH 5 (Allentown Road), Elev. 669.63

Existing Structure No. 090-0133:
The existing structure is a two span bridge with a 7½" concrete deck supported by 42" Web Plate Girders. The structure was constructed in 1989 as Section 90-(107)HB-1. The superstructure is supported by closed vaulted abutments. It has an out to out deck width of 37'-2" and a 184'-5" back to back abutment length.

Traffic control to utilize detours.

SCOPE OF WORK

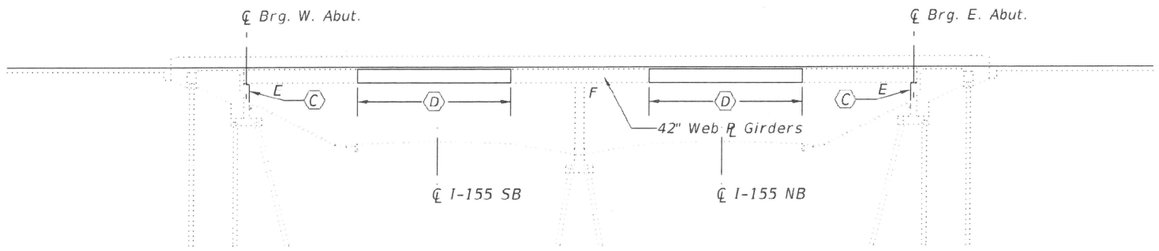
1. Install Permanent Protective Shield above the NB and SB I-155 as indicated on plans
2. Remove Inlet Grates and Replace with RipRap Swales, per civil sheets
3. Perform Bridge Deck Scarification ¾"
4. Perform Deck Slab Repairs and Parapet Repairs as indicated on the plans, Fill Relief Joint Cracks as needed
5. Perform Expansion Joint Reconstruction
6. Perform Deck Microsilica Overlay 2¼"
7. Perform Abutment Repairs at locations indicated on the plans

TOTAL BILL OF MATERIAL

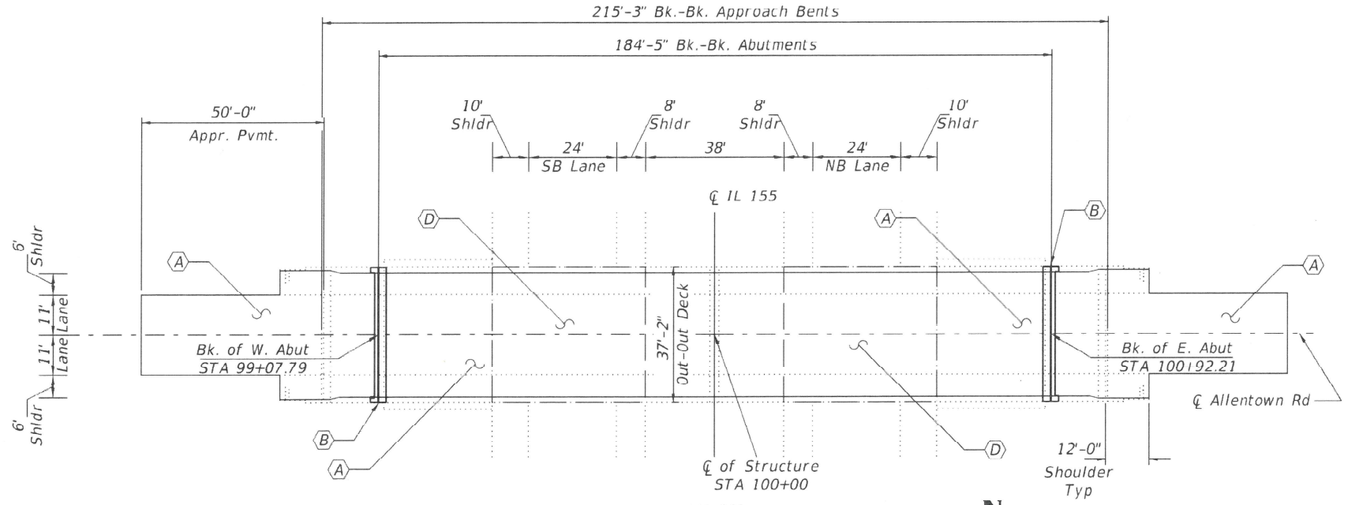
	ITEM	UNIT	QUANTITY
	Concrete Removal	Cu. Yd.	9.8
	Concrete Superstructure	Cu. Yd.	11.2
	Bridge Deck Grooving	Sq. Yd.	1005
	Protective Coat	Sq. Yd.	1111
	Reinforcement Bars, Epoxy Coated	Lbs	1110
	Preformed Joint Strip Seal	Foot	75
	Epoxy Crack Injection	Foot	41
*	Protective Shield (Permanent)	Sq. Yd.	347
*	Surface Filler (Special)	Gallon	9
*	Protective Coat (Special)	Sq. Yd.	556
*	Bridge Deck Scarification 3/4"	Sq. Yd.	1077
*	Bridge Deck Microsilica Concrete Overlay 2¼"	Sq. Yd.	1077
*	Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	86
*	Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	9
*	Slopewall Slurry Pumping	Cu. Yd.	2.0

* Denotes Special Provisions

INDEX OF SHEETS



ELEVATION



PLAN

KEYED NOTES

(A) Bridge Deck Scarification ¾" and 2¼" Microsilica Concrete Overlay

(B) Expansion Joint Replacement

(C) Structural Repair of Abutments

(D) Permanent Protective Shielding

LEGEND

——— Expansion Joint Replacement

——— Limits of ¾" Scarification and 2¼" Microsilica Concrete Overlay

— — — Limits of Protective Shield (Permanent)

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 cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 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 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 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.

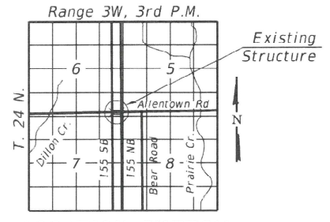
Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental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

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-7200
STATE OF ILLINOIS
Date: 5/9/24

CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 7200
EXPIRES: NOVEMBER 30, 2024



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ALLENTOWN ROAD OVER I-155
TAZEWELL COUNTY
STATION 100+00.00
STRUCTURE NO. 090-0133

Hurst-Rosche, Inc. 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = ____	DESIGNED - JJC	REVISED - ____
		CHECKED - CJC	REVISED - ____
	PLOT SCALE = ____	DRAWN - RGA	REVISED - ____
	PLOT DATE = ____	CHECKED - CJC	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 090-0133
SHEET 1 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	90
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAMES
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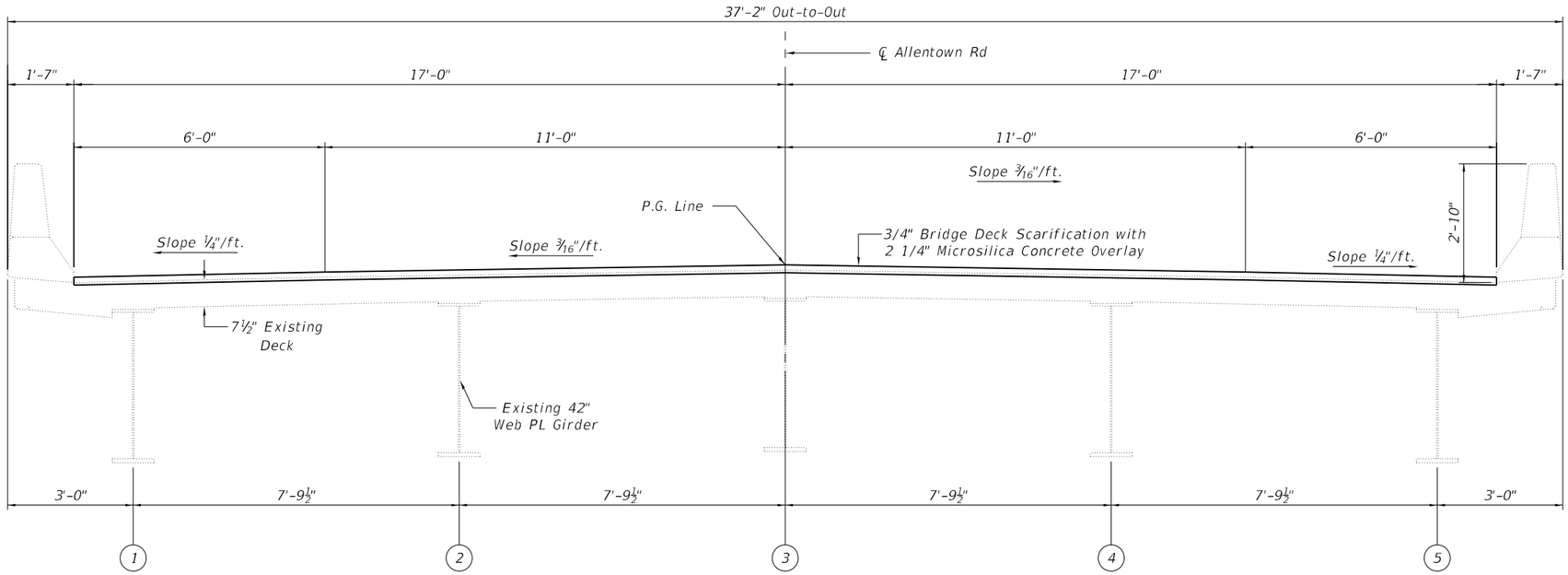
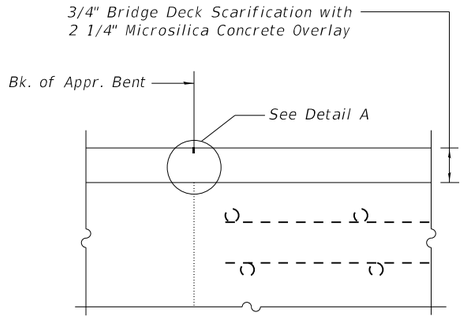
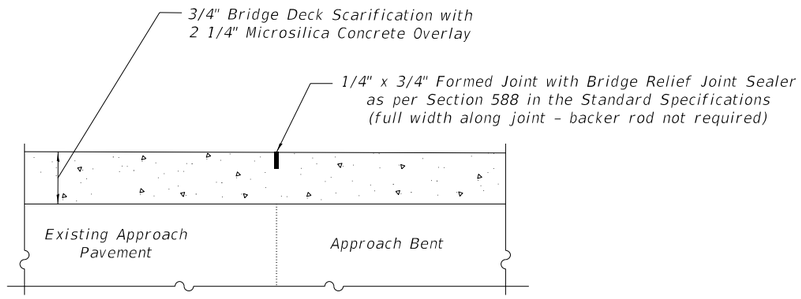


CROSS SECTION
(Looking East)



SECTION AT APPROACH



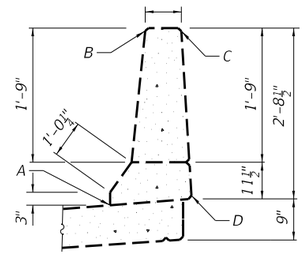
DETAIL A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Surface Filler (Special)	Gallon	9
Protective Coat (Special)	Sq. Yd.	556

NOTES

1. Surface Filler (Special) and Protective Coat (Special) shall be applied per the Special Provisions.
2. Protective Coat (Special) to cover from Point A through Points B, C and D of the Parapet.



PARAPET SEALING DETAIL

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2/9/2024 3:38:00 PM

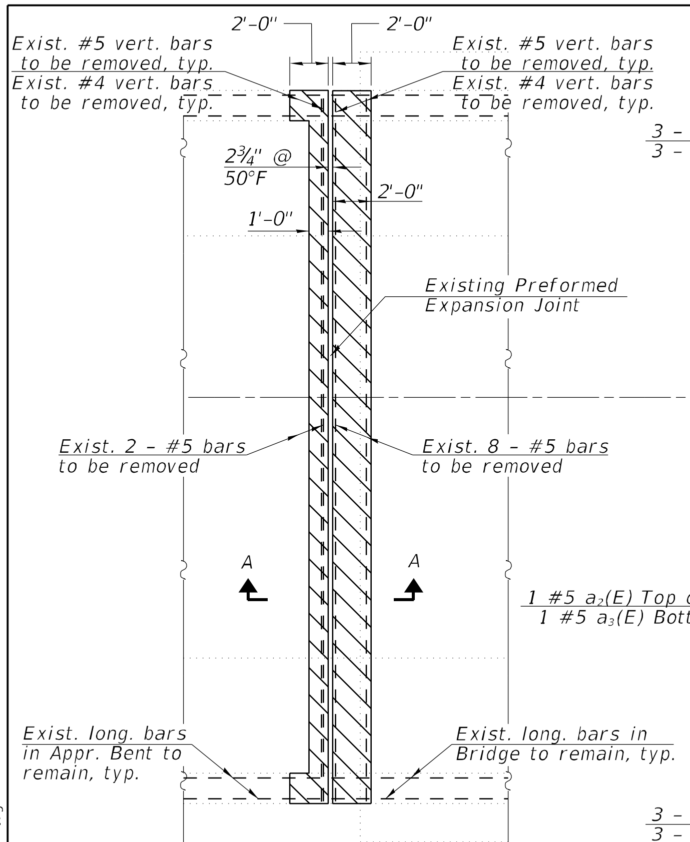
Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER: 184.005208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - RGA	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

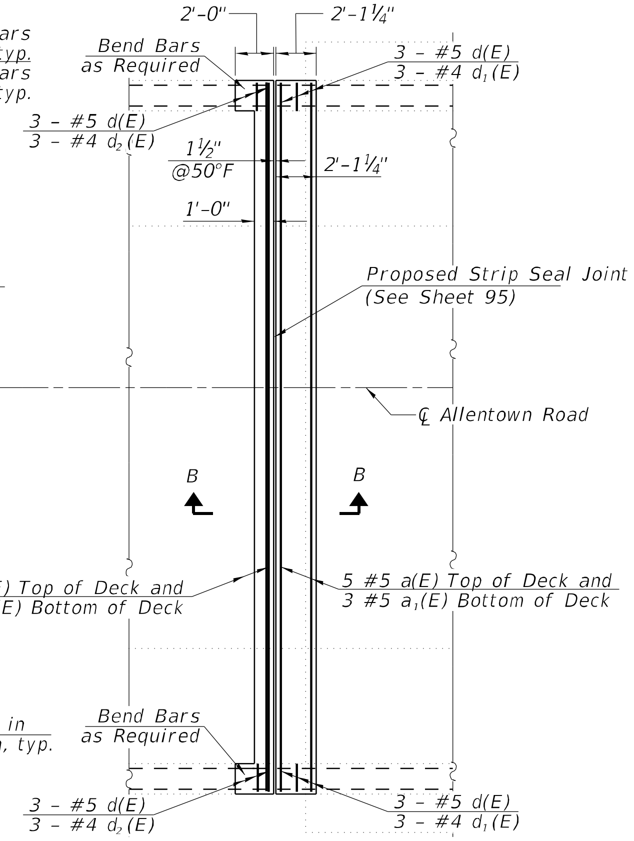
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
STRUCTURE NO. 090-0133
SHEET 2 OF 8 SHEETS

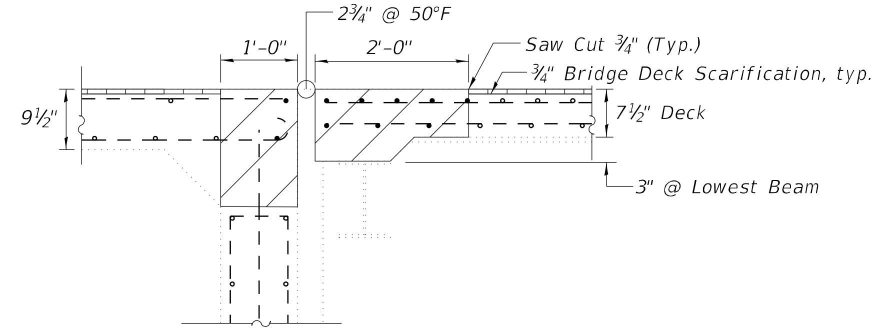
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	91
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



CONCRETE REMOVAL AT W. ABUT.

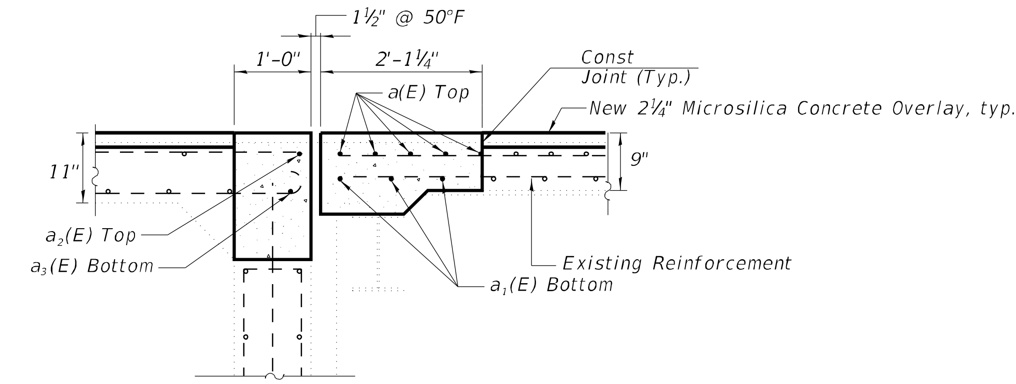


CONCRETE REPLACEMENT AT W. ABUT.



JOINT REMOVAL SECTION - A-A

(Dims. at Rt. ∠'s to End of Deck)

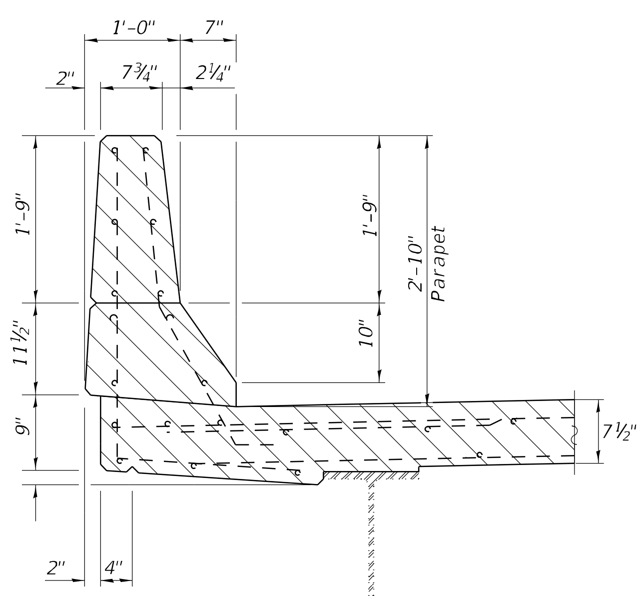


PROPOSED JOINT SECTION - B-B

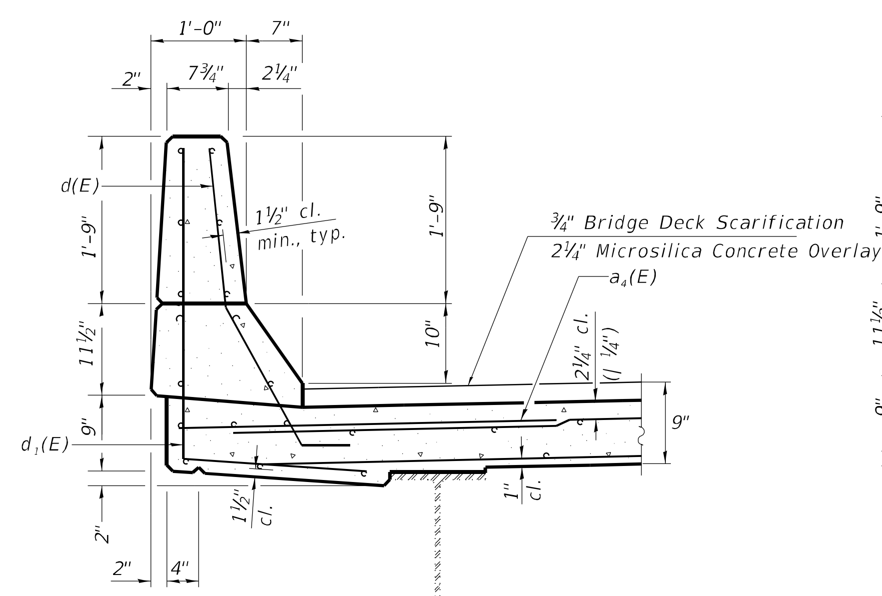
(Dims. at Rt. ∠'s to End of Deck)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	5	#5	36'-11"	
a1(E)	3	#5	36'-11"	
a2(E)	1	#5	36'-11"	
a3(E)	1	#5	36'-11"	
a4(E)	12	#6	4'-0"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	5'-3"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated		Lbs.	555	
Concrete Superstructure		Cu. Yds.	5.6	
Concrete Removal		Cu. Yds.	4.9	



PARAPET REMOVAL CROSS SECTION



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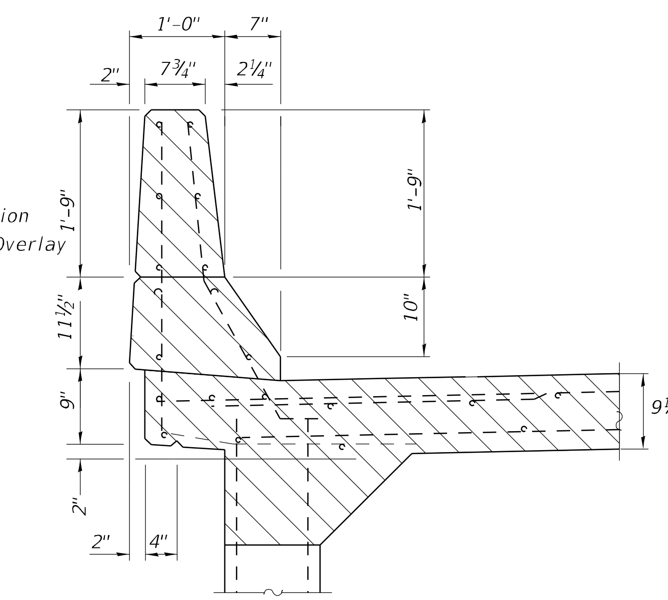
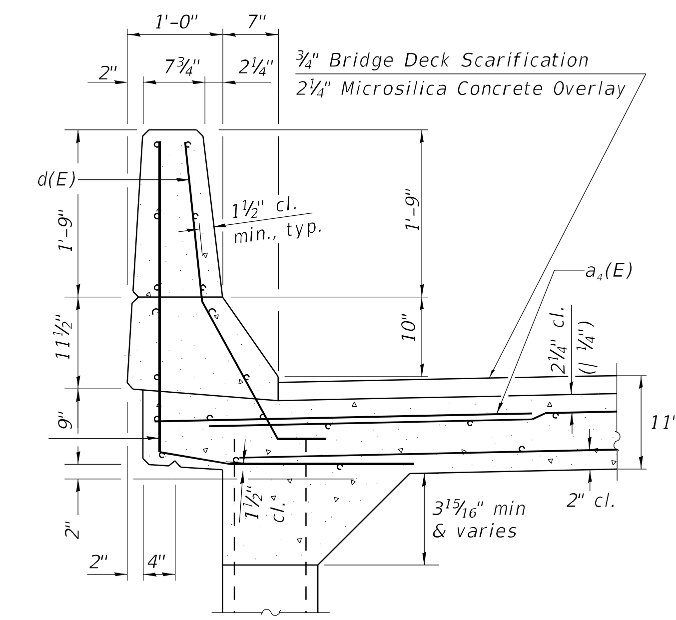


PARAPET REMOVAL CROSS SECTION

(At Approach Bent)



PARAPET REPLACEMENT CROSS SECTION

(At Approach Bent)

NOTES

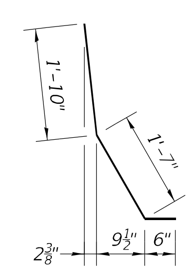
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. Cut reinforcing bars in field to fit as required.

LEGEND

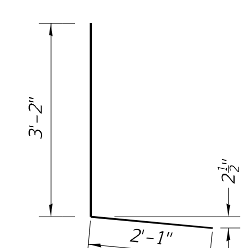
Concrete Removal

Bridge Deck Scarification, ¾"

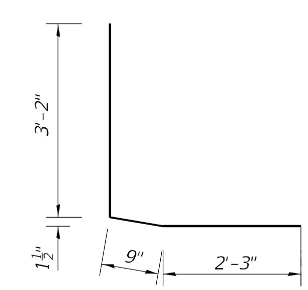
Concrete Superstructure



BAR d(E)



BAR d₁(E)



BAR d₂(E)

Hurst-Rosche, Inc. 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME =	DESIGNED - JJC	REVISED -
		CHECKED - CJC	REVISED -
	PLOT SCALE =	DRAWN - AE	REVISED -
	PLOT DATE =	CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EXPANSION JOINT REMOVAL & REPLACEMENT
STRUCTURE NO. 090-0133

SHEET 3 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	92
		CONTRACT NO. 68H71		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
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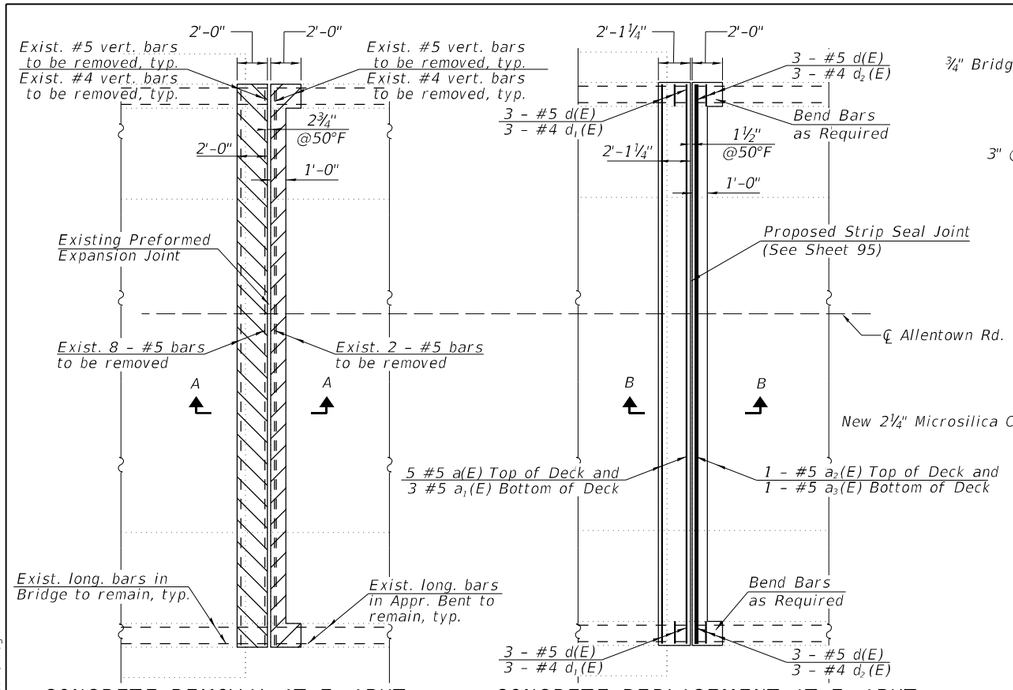
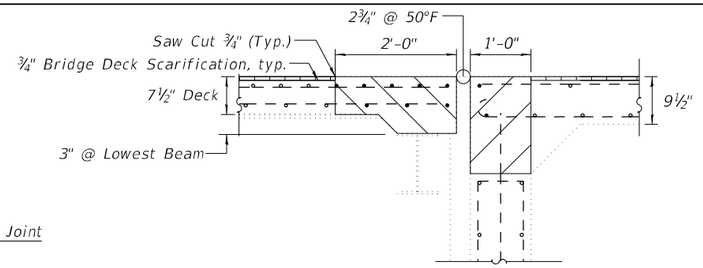


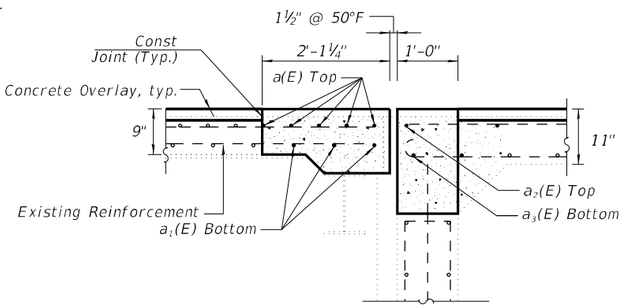
CONCRETE REMOVAL AT E. ABUT.

CONCRETE REPLACEMENT AT E. ABUT.



JOINT REMOVAL SECTION - A-A

(Dims. at Rt. ∠'s to End of Deck)

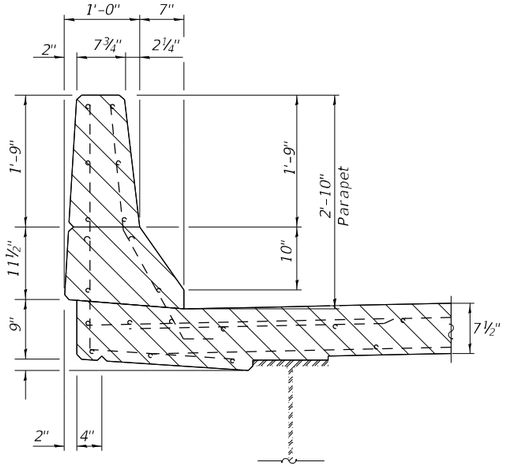


PROPOSED JOINT SECTION - B-B

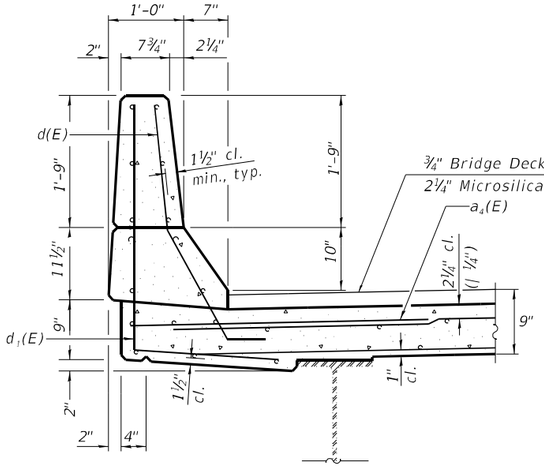
(Dims. at Rt. ∠'s to End of Deck)

SUPERSTRUCTURE BILL OF MATERIAL

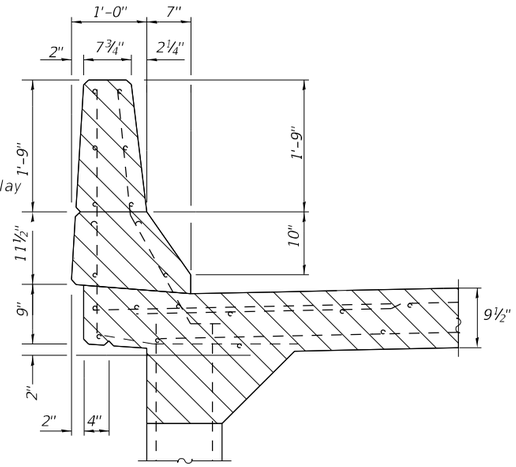
Bar	No.	Size	Length	Shape
a(E)	5	#5	36'-11"	
a1(E)	3	#5	36'-11"	
a2(E)	1	#5	36'-11"	
a3(E)	1	#5	36'-11"	
a4(E)	12	#6	4'-0"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	5'-3"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated			Lbs.	555
Concrete Superstructure			Cu. Yds.	5.6
Concrete Removal			Cu. Yds.	4.9



PARAPET REMOVAL CROSS SECTION

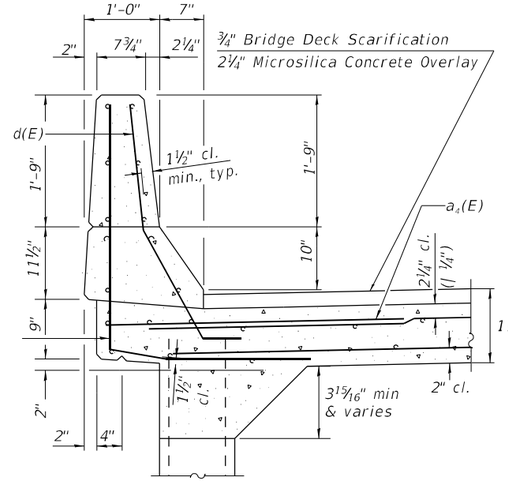


PARAPET REPLACEMENT CROSS SECTION



PARAPET REMOVAL CROSS SECTION

(At Approach Bent)



PARAPET REPLACEMENT CROSS SECTION

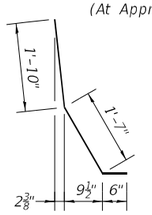
(At Approach Bent)

NOTES

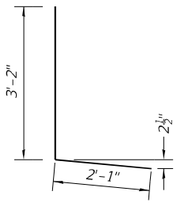
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. Cut reinforcing bars in field to fit as required.

LEGEND

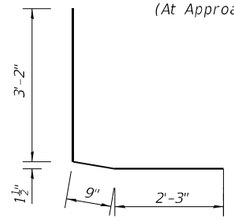
- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure



BAR d(E)



BAR $d_1(E)$



BAR $d_2(E)$

Hurst-Rosche, Inc. PROFESSIONAL DESIGN NUMBER 184-001599 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = ____	DESIGNED - JJC	REVISED - ____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST EXPANSION JOINT REMOVAL & REPLACEMENT STRUCTURE NO. 090-0133
		CHECKED - CJC	REVISED - ____		
	PLOT SCALE = ____	DRAWN - AE	REVISED - ____		SHEET 4 OF 8 SHEETS
	PLOT DATE = ____	CHECKED - CJC	REVISED - ____		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	93
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
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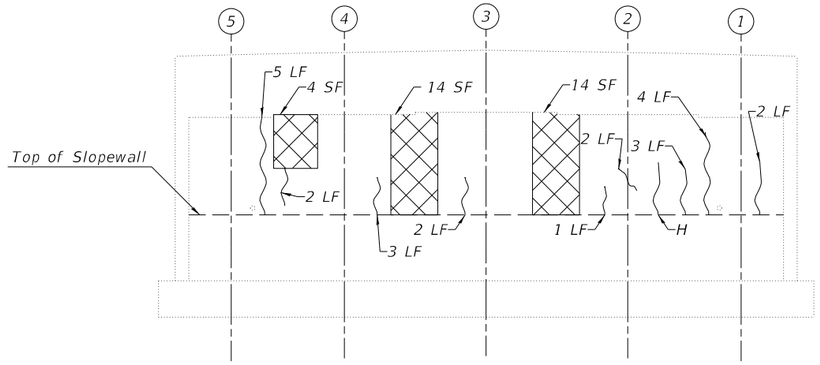
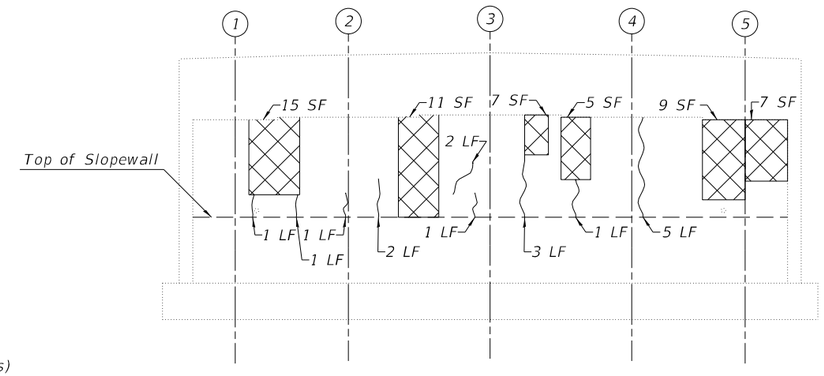
Notes:
1. *Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.*
2. *SF = Square Feet*



WEST ABUTMENT

(Looking West)



EAST ABUTMENT

(Looking East)

LEGEND

H	Hairline Crack
~	Epoxy Crack Injection
⊠	Structural Repair of Concrete (Depth Equal To or Less than 5 inches)
SF	– Square Foot
LF	– Linear Foot

BILL OF MATERIAL

Item	Unit	Quantity
Epoxy Crack Injection	Foot	41
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	86

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71090-0133\0900133_05_abutment repair details.dgn

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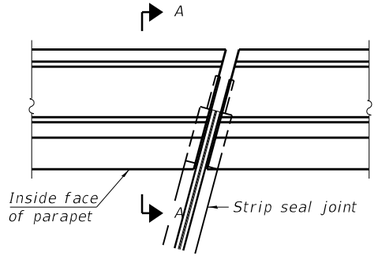
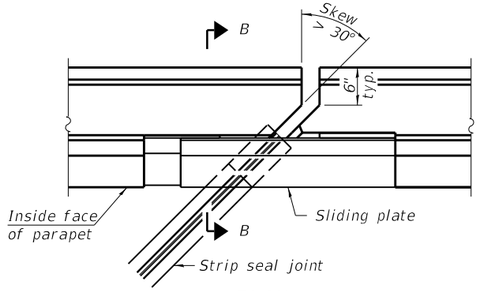
Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005038
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ...	DESIGNED - JJC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**ABUTMENT REPAIR DETAILS STRUCTURE NO. 090-0133**	
	CHECKED - CJC	REVISED -			
PLOT SCALE = ...	DRAWN - AE	REVISED -			
PLOT DATE = ...	CHECKED - JJC	REVISED -		SHEET 5 OF 8 SHEETS	

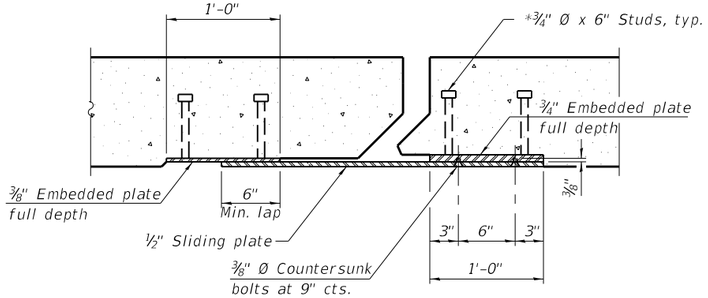
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	94
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



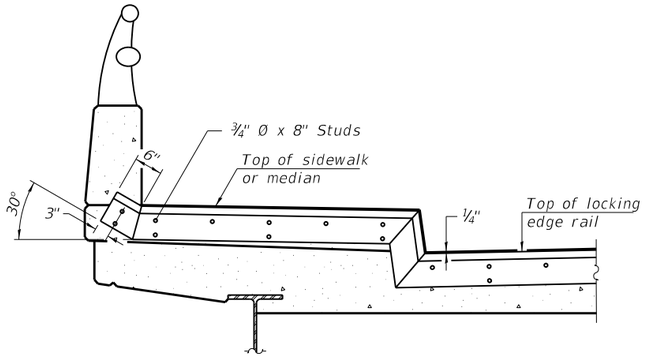
PLAN
(For skews_< 30°)



PLAN
(For skews > 30°)
Showing point block

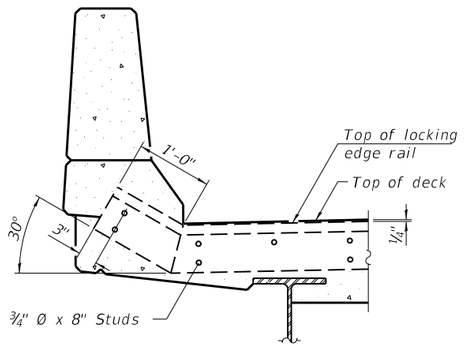


SECTION C-C

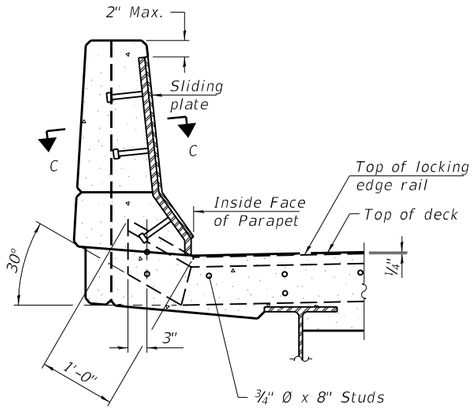


TYPICAL END TREATMENT
AT SIDEWALK OR MEDIAN

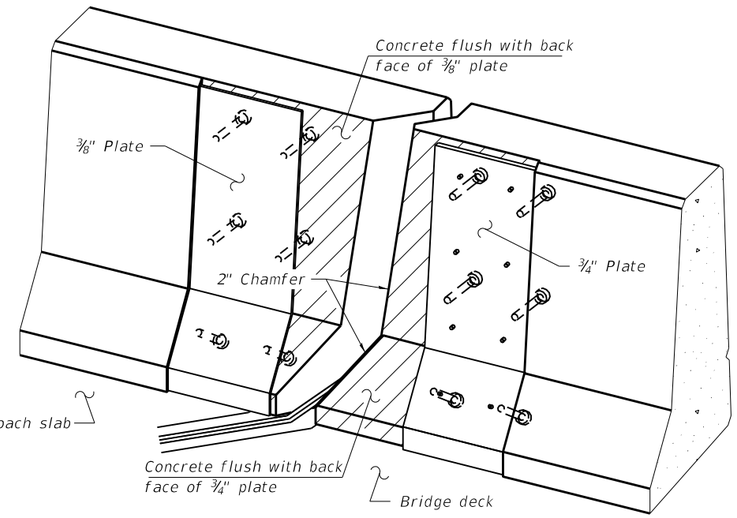
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A



SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". 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 conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

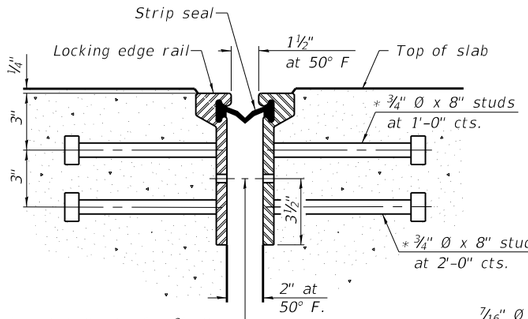
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

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

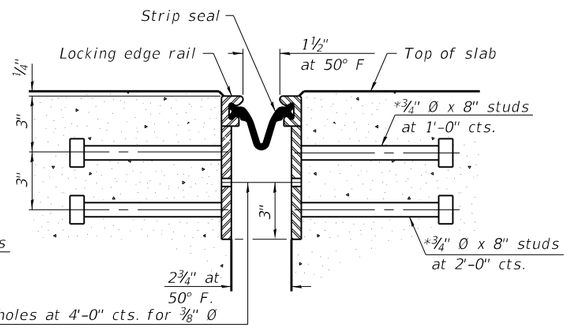
Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.



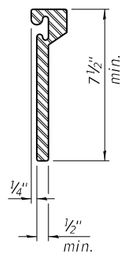
7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
ROLLED RAIL JOINT

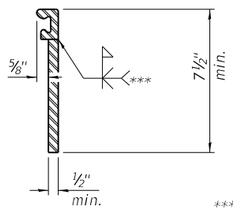


7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

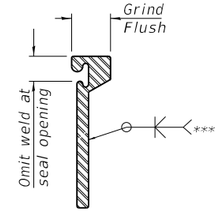
SECTION THRU
WELDED RAIL JOINT



ROLLED
EXTRUDED RAIL



WELDED RAIL



*** 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.

LOCKING EDGE RAILS

* 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	75

MODEL: SMODELNAMES
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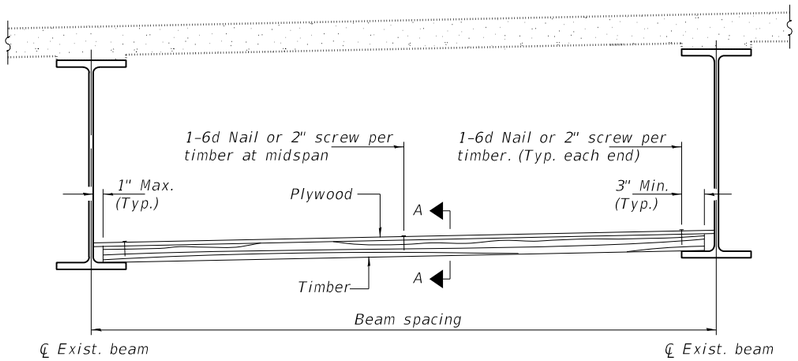
Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-002938
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ... | DESIGNED - JJC | REVISED - .....
CHECKED - CJC | REVISED - .....
PLOT SCALE = ... | DRAWN - AE | REVISED - .....
PLOT DATE = ... | CHECKED - CJC | REVISED - .....

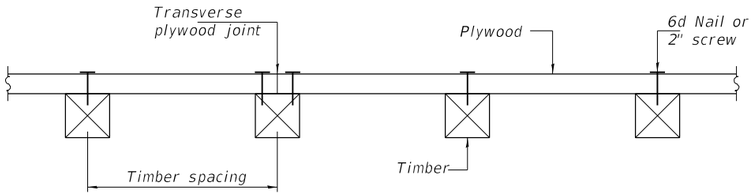
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 090-0133
SHEET 6 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	95
		CONTRACT NO. 68H71		
		ILLINOIS	FED. AID PROJECT	



STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

Notes: See special provision for Permanent Protective Shield System.

Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.

The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions. All timber shall be treated.

Plywood shall be ⅝" rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	347

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184001208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME =	DESIGNED JJC	REVISED -
	CHECKED CJC	REVISED -
PLOT SCALE =	DRAWN AE	REVISED -
PLOT DATE =	CHECKED CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT PROTECTIVE SHIELDING
STRUCTURE NO. 090-0133
SHEET 7 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	96
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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Benchmark:
#20 Hor. Lag. Screw in Power Pole ± 150' Rt. S. Sta. 616+50, Elev. 608.44

Existing Structure No. 090-0137:
The existing structure is a two span bridge with a 7 ½" concrete deck supported by 42" Web Plate Girders. The structure was constructed in 1988 as Section 90 (108)HB. The superstructure is supported by closed vaulted abutments. It has an out to out deck width of 33'-2" and a 193'-6 ¼" back to back abutment length.
Traffic to utilize detours.

SCOPE OF WORK

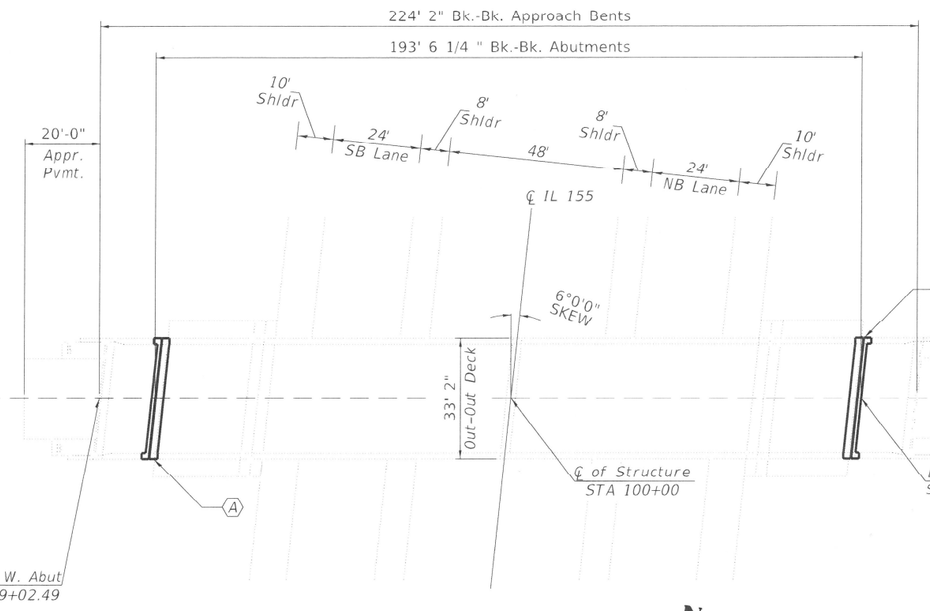
1. Clean existing inlets
2. Perform parapet repairs as indicated on the plans
3. Perform Expansion Joint Reconstruction
4. Perform Abutment Repairs at locations as indicated on the plans

TOTAL BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
	Concrete Removal	Cu. Yd.	8.4
	Concrete Superstructure	Cu. Yd.	9.6
	Protective Coat	Sq. Yd.	36
	Reinforcement Bars, Epoxy Coated	Lbs	1020
	Preformed Joint Strip Seal	Foot	65
	Epoxy Crack Injection	Foot	51
*	Surface Filler (Special)	Gallon	9
*	Protective Coat (Special)	Sq. Yd.	593
*	Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	3
*	Slopewall Slurry Pumping	Cu. Yd.	2.0

* Denotes Special Provisions

ELEVATION



PLAN

N

INDEX OF SHEETS

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 cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 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 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 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 concrete overlay.

KEYED NOTES

(A) Expansion Joint Replacement

(B) Structural Repair of Abutments

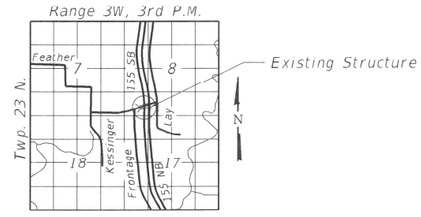
LEGEND

——— Expansion Joint Replacement

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-7200
STATE OF ILLINOIS

Date: 2/9/24

CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 7200
EXPIRES: NOVEMBER 30, 2024



LOCATION SKETCH

GENERAL PLAN & ELEVATION
FEATHER ROAD
OVER I-155
TAZEWELL COUNTY
STATION 100+00.00
STRUCTURE NO. 090-0137

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-002298
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - RGA	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 090-0137
SHEET 1 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	97
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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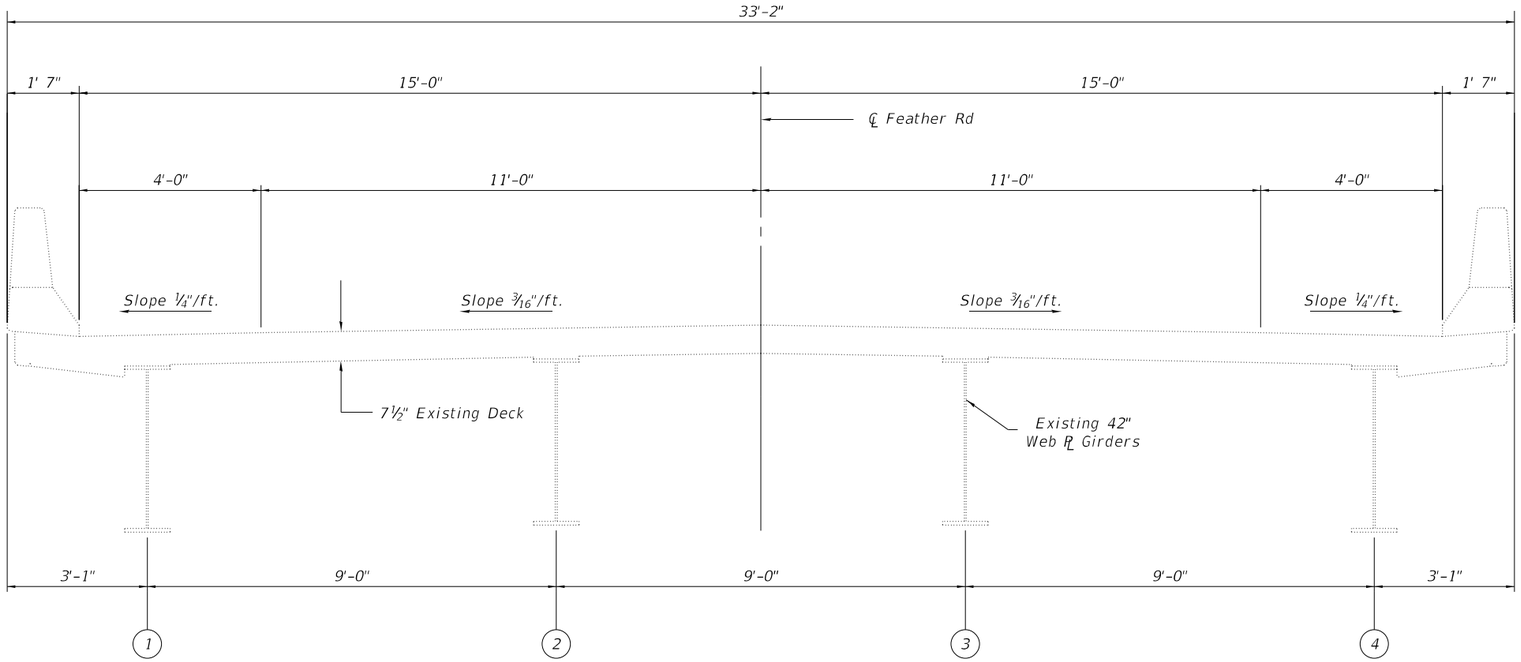
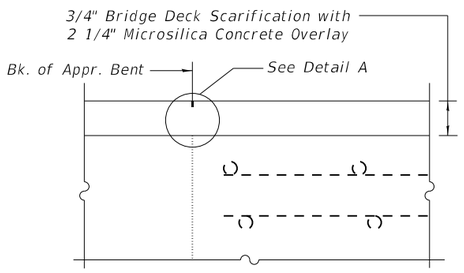
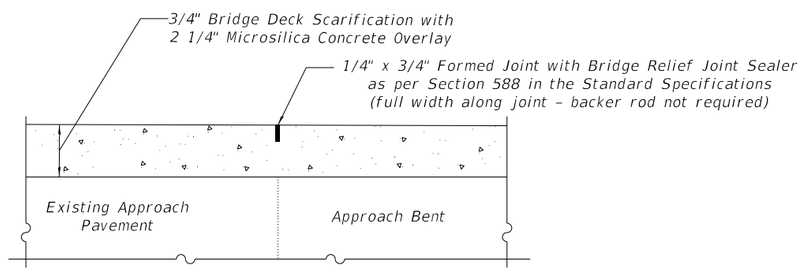


CROSS SECTION
(Looking East)



SECTION AT APPROACH



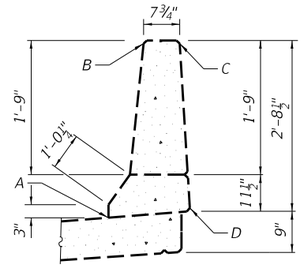
DETAIL A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Surface Filler (Special)	Gallon	9
Protective Coat (Special)	Sq. Yd.	593

NOTES

1. Surface Filler (Special) and Protective Coat (Special) shall be applied per the Special Provisions.
2. Protective Coat (Special) to cover from Point A through Points B, C and D of the Parapet.



PARAPET SEALING DETAIL

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-005266
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - RGA	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
STRUCTURE NO. 090-0137
SHEET 2 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	98
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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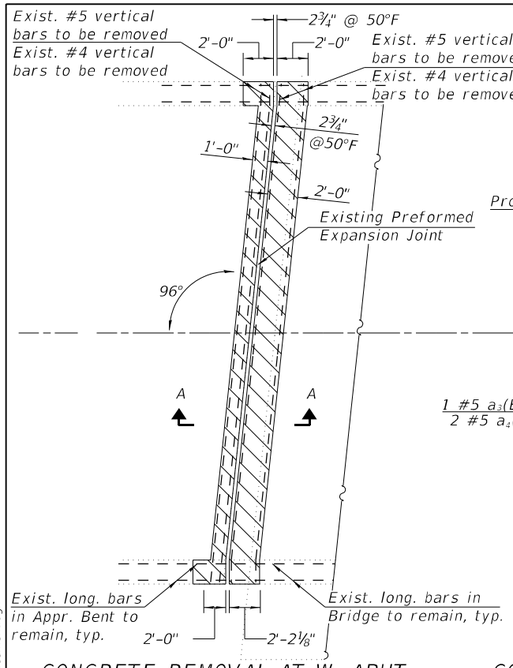
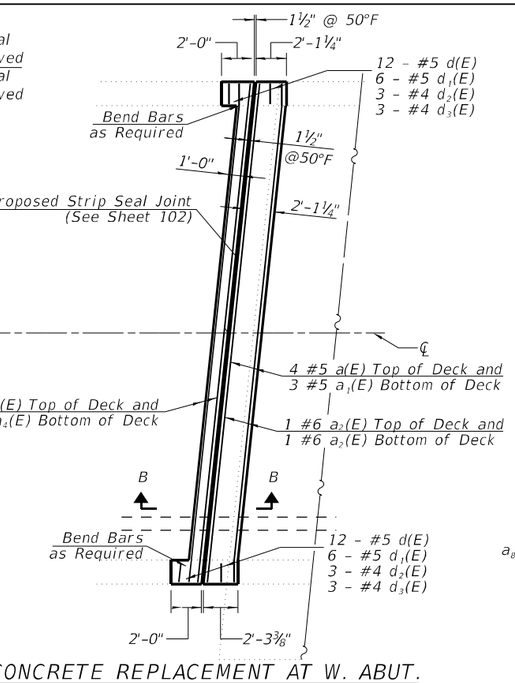


CONCRETE REMOVAL AT W. ABUT.



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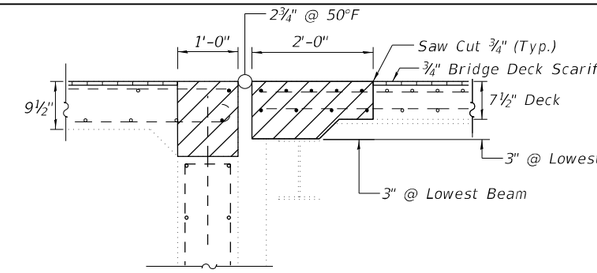
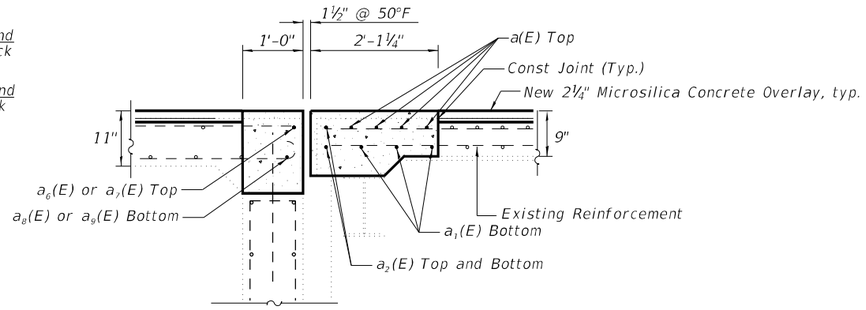


JOINT REMOVAL SECTION - A-A

(Dims. at Rt. ∠'s to End of Deck)



PROPOSED JOINT SECTION - B-B

(Dims. at Rt. ∠'s to End of Deck)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	4	#5	33'-1¼"	
a1(E)	3	#5	33'-1¼"	
a2(E)	2	#5	33'-1¼"	
a3(E)	1	#5	33'-1¼"	
a4(E)	1	#5	33'-1¼"	
a5(E)	12	#6	4'-0"	
d(E)	12	#5	3'-0"	
d1(E)	6	#5	2'-7"	
d2(E)	6	#4	4'-1"	
d3(E)	4	#4	4'-11"	
Reinforcement Bars, Epoxy Coated			Lbs.	510
Concrete Superstructure			Cu. Yds.	4.8
Concrete Removal			Cu. Yds.	4.2

PARAPET REMOVAL CROSS SECTION

PARAPET REPLACEMENT CROSS SECTION

PARAPET REMOVAL CROSS SECTION

(At Approach Bent)

PARAPET REPLACEMENT CROSS SECTION

(At Approach Bent)

NOTES

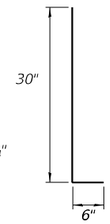
1. Hatched areas indicate Concrete Removal.
2. Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Sheet 25 of 31.
3. Removal of existing expansion joint shall be included in the cost of concrete removal.
5. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
6. In parapet removal areas, existing reinforcing shall remain and be re-incorporated into the new parapets.
7. Cut reinforcing bars in field to fit as required.

LEGEND

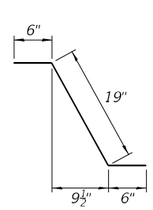
Concrete Removal

Bridge Deck Scarification, ¾"

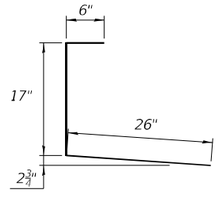
Concrete Superstructure



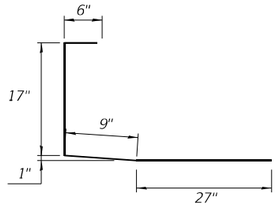
BAR d(E)



BAR d1(E)



BAR d2(E)



BAR d3(E)

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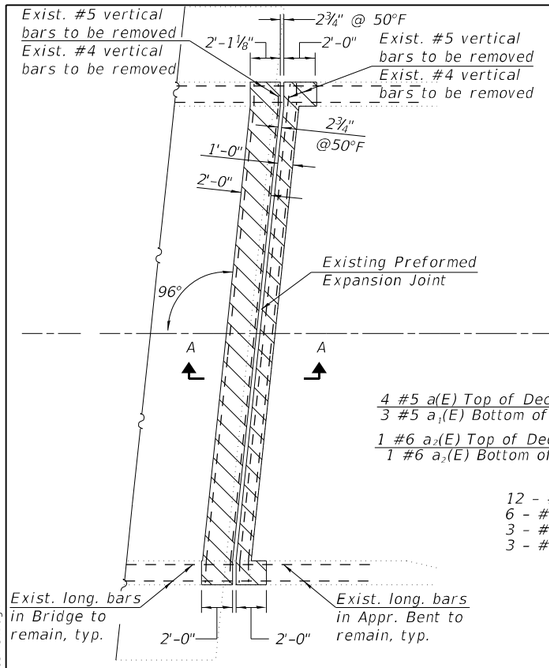
Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM NUMBER: 184-005598
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO, 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____
	CHECKED - CJC	REVISED - ____
PLOT SCALE = ____	DRAWN - AE	REVISED - ____
PLOT DATE = ____	CHECKED - CJC	REVISED - ____

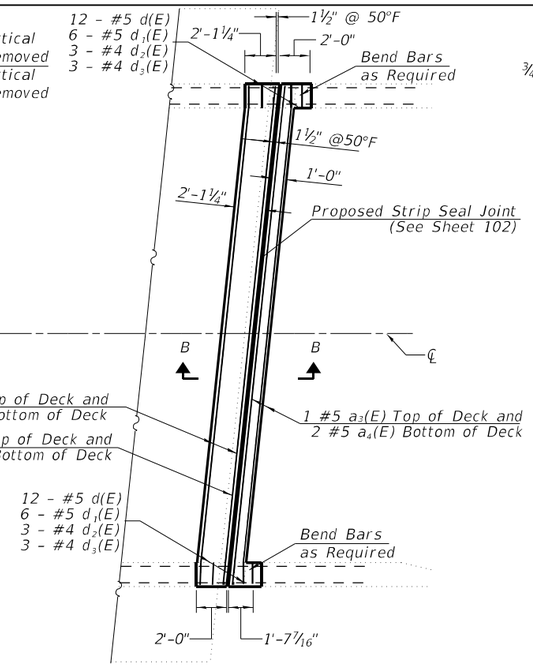
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EXPANSION JOINT REMOVAL & REPLACEMENT
STRUCTURE NO. 090-0137
SHEET 3 OF 6 SHEETS

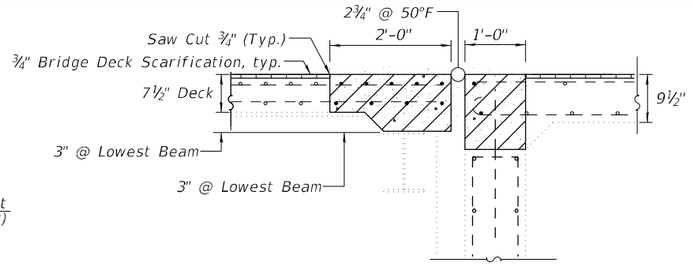
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	99
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



CONCRETE REMOVAL AT E. ABUT.

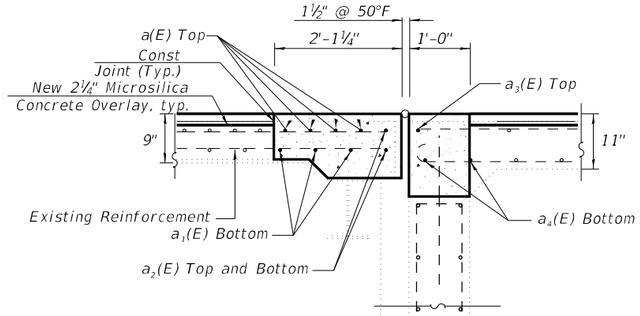


CONCRETE REPLACEMENT AT E. ABUT.



JOINT REMOVAL SECTION - A-A

(Dims. at Rt. ℄'s to End of Deck)



PROPOSED JOINT SECTION - B-B

(Dims. at Rt. ℄'s to End of Deck)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	4	#5	33'-1¼"	
a1(E)	3	#5	33'-1¼"	
a2(E)	2	#5	33'-1¼"	
a3(E)	1	#5	33'-1¼"	
a4(E)	2	#5	33'-1¼"	
a5(E)	12	#6	4'-0"	
d(E)	12	#5	3'-0"	
d1(E)	6	#5	2'-7"	
d2(E)	6	#4	4'-1"	
d3(E)	6	#4	4'-11"	
Reinforcement Bars, Epoxy Coated		Lbs.	510	
Concrete Superstructure		Cu. Yds.	4.8	
Concrete Removal		Cu. Yds.	4.2	

PARAPET REMOVAL CROSS SECTION

PARAPET REPLACEMENT CROSS SECTION

PARAPET REMOVAL CROSS SECTION

(At Approach Bent)

PARAPET REPLACEMENT CROSS SECTION

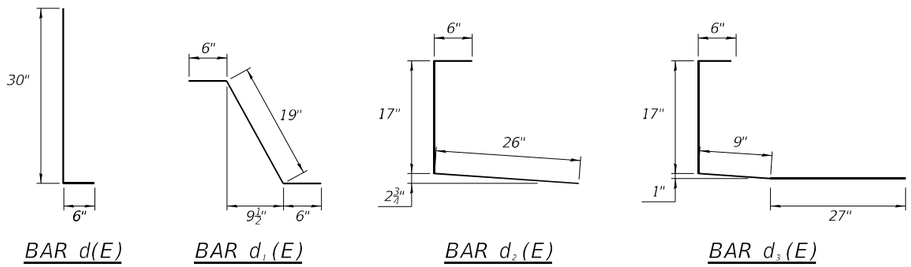
(At Approach Bent)

NOTES

1. Hatched areas indicate Concrete Removal.
2. Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Sheet 25 of 31.
3. Removal of existing expansion joint shall be included in the cost of concrete removal.
4. A 6"x6" blockout will be permitted in the base of the parapet at the expansion joint in order to facilitate joint seal installation.
5. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
6. In parapet removal areas, existing reinforcing shall remain and be re-incorporated into the new parapets.
7. Cut reinforcing bars in field to fit as required.

LEGEND

- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure



Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER: 184-005599
1400 E. TREMONT ST.
HILLSBORO, IL.
PH: 217.532.3959
JOB NO. 192-1063

USER NAME =		DESIGNED -	JJC	REVISED -	
		CHECKED -	CJC	REVISED -	
PLOT SCALE =		DRAWN -	AE	REVISED -	
PLOT DATE =		CHECKED -	CJC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST EXPANSION JOINT REMOVAL & REPLACEMENT
STRUCTURE NO. 090-0137

SHEET 4 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	100
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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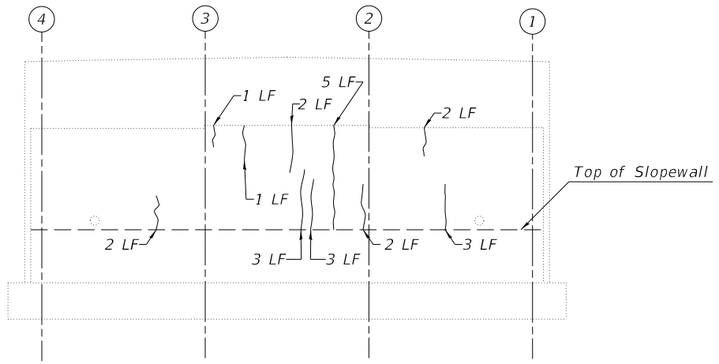
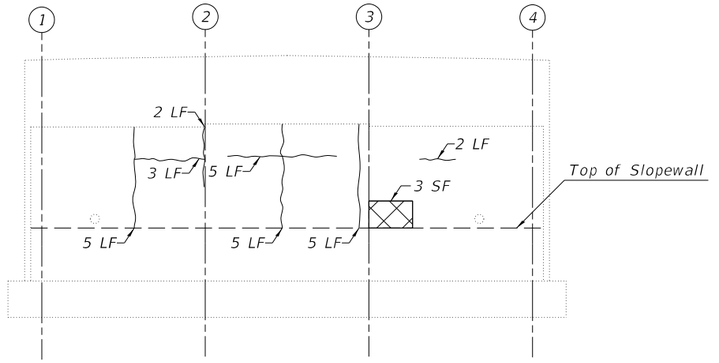
3/18/2024 10:13:53 AM

Notes:
1. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.
2. SF = Square Feet



West Abutment

(Looking West)



East Abutment

(Looking East)

LEGEND

H	Hairline Crack
~	Epoxy Crack Injection
⊠	Structural Repair of Concrete (Depth Equal To or Less than 5 inches)
SF	– Square Foot
LF	– Linear Foot

BILL OF MATERIAL

Item	Unit	Quantity
Epoxy Crack Injection	Foot	51
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft.	3

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME =		DESIGNED -	JJC	REVISED -	
		CHECKED -	CJC	REVISED -	
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PLOT DATE =		CHECKED -	JJC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT REPAIR DETAILS
STRUCTURE NO. 090-0137
SHEET 5 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	101
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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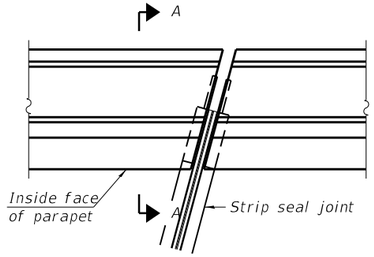
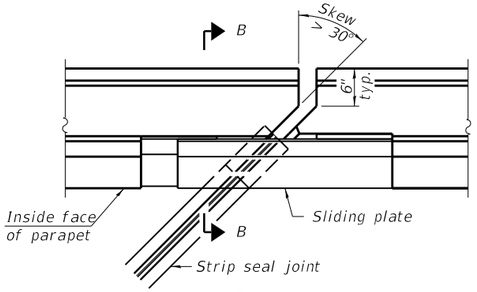
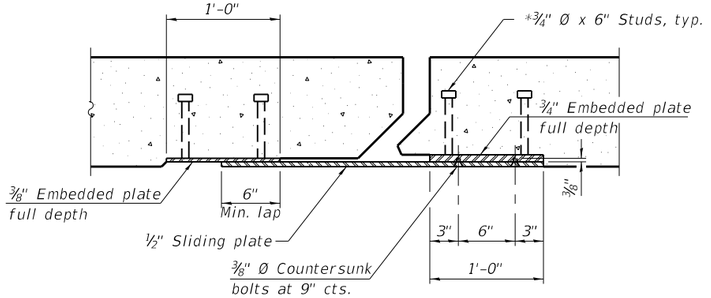


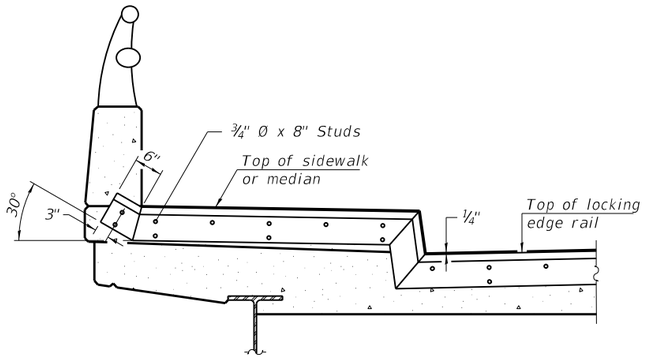
PLAN
(For skews < 30°)



PLAN
(For skews > 30°)
Showing point block

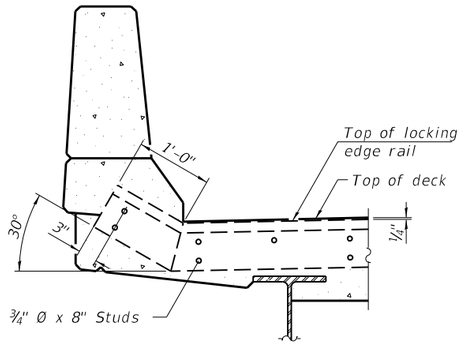


SECTION C-C

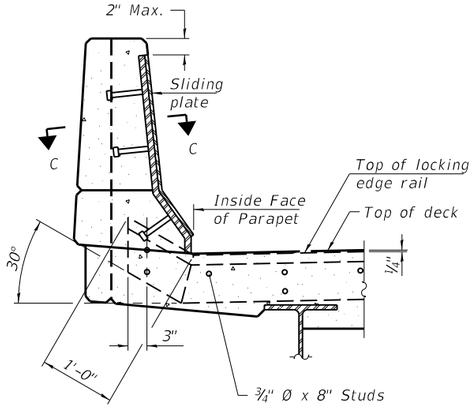


TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

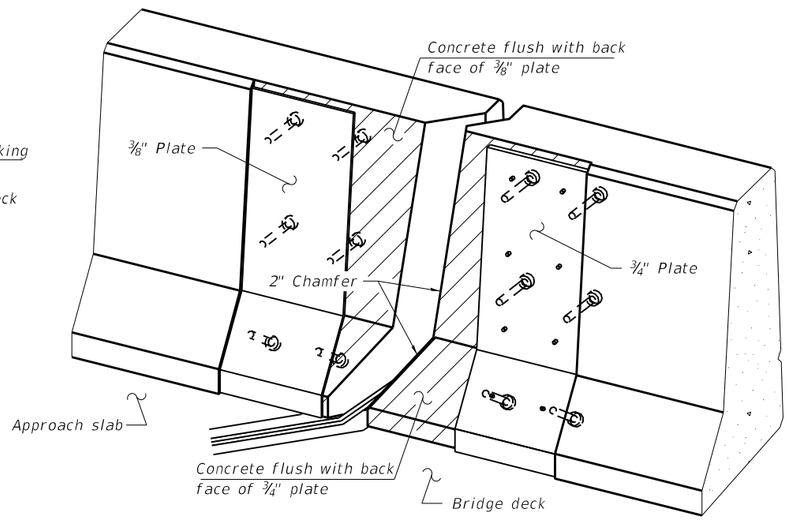
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A



SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". 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 conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

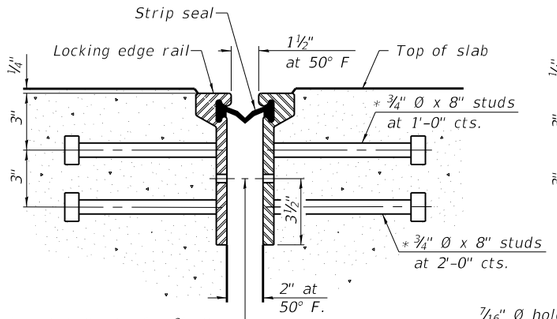
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

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

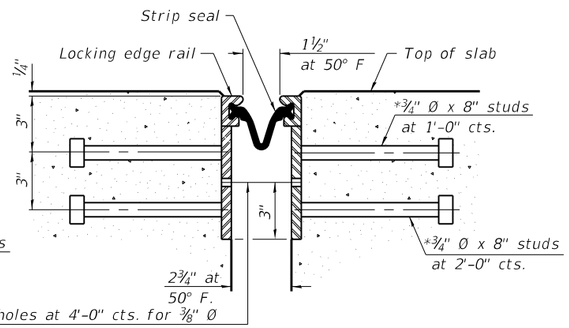
Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.



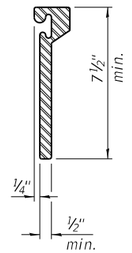
7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU ROLLED RAIL JOINT

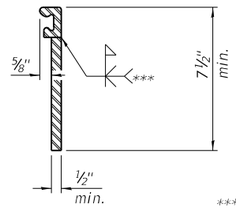


7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

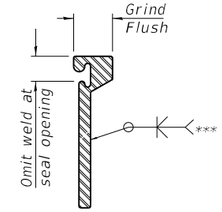
SECTION THRU WELDED RAIL JOINT



ROLLED EXTRUDED RAIL



WELDED RAIL



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

LOCKING EDGE RAILS

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.

Rolled rail shown, welded rail similar.

* 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	65

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-006298
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------		DESIGNED - JJC		REVISED - ----------	
		CHECKED - CJC		REVISED - ----------	
PLOT SCALE = ----------		DRAWN - AE		REVISED - ----------	
PLOT DATE = ----------		CHECKED - CJC		REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 090-0137
SHEET 6 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	102
			CONTRACT NO. 68H71	
		ILLINOIS	FED. AID PROJECT	

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0137\09001337_06_preformed joint strip seal.dgn
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Benchmark:
USGS BM on Minier Quad. F.A. Rte. 406 Sta. 891+26, 184' Lt., Elev. 686.14

Existing Structure No. 090-0138:
The existing structure is a two span bridge with a 7 ½" concrete deck supported by 42" Web Plate Girders. The structure was constructed in 1988 as Section 90-(126X)HB. The superstructure is supported by closed vaulted abutments. It has an out to out deck width of 65'-2" and a 183'-7" back to back abutment length.

SCOPE OF WORK

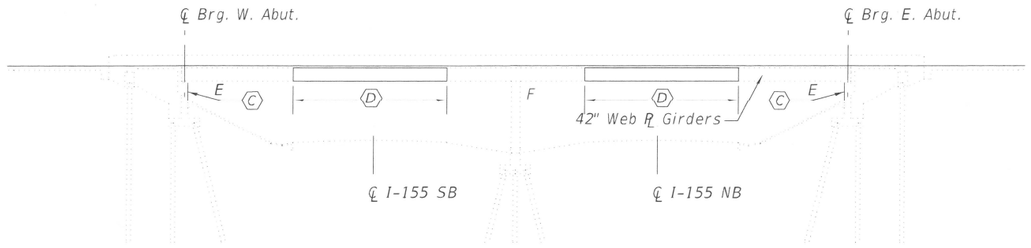
1. Implement Traffic Control and shift EB and WB traffic to the North side of the structure
2. Install Permanent Protective Shield above the NB and SB I-155 as indicated on the plans
3. Remove Inlet Grates and Replace with RipRap Swales per civil sheets
4. Perform Bridge Deck Scarification ¾"
5. Perform Deck Slab and Concrete Median Repairs as indicated on the Plans, Fill Relief Joint Cracks as Needed
6. Perform Expansion Joint Reconstruction
7. Perform Bridge Deck Microsilica Concrete Overlay 2¼"
8. Shift EB and WB Traffic to the South Side of the Structure and repeat Items 3 through 7 above
9. Perform Abutment Repairs at locations indicated on Plans

INDEX OF SHEETS

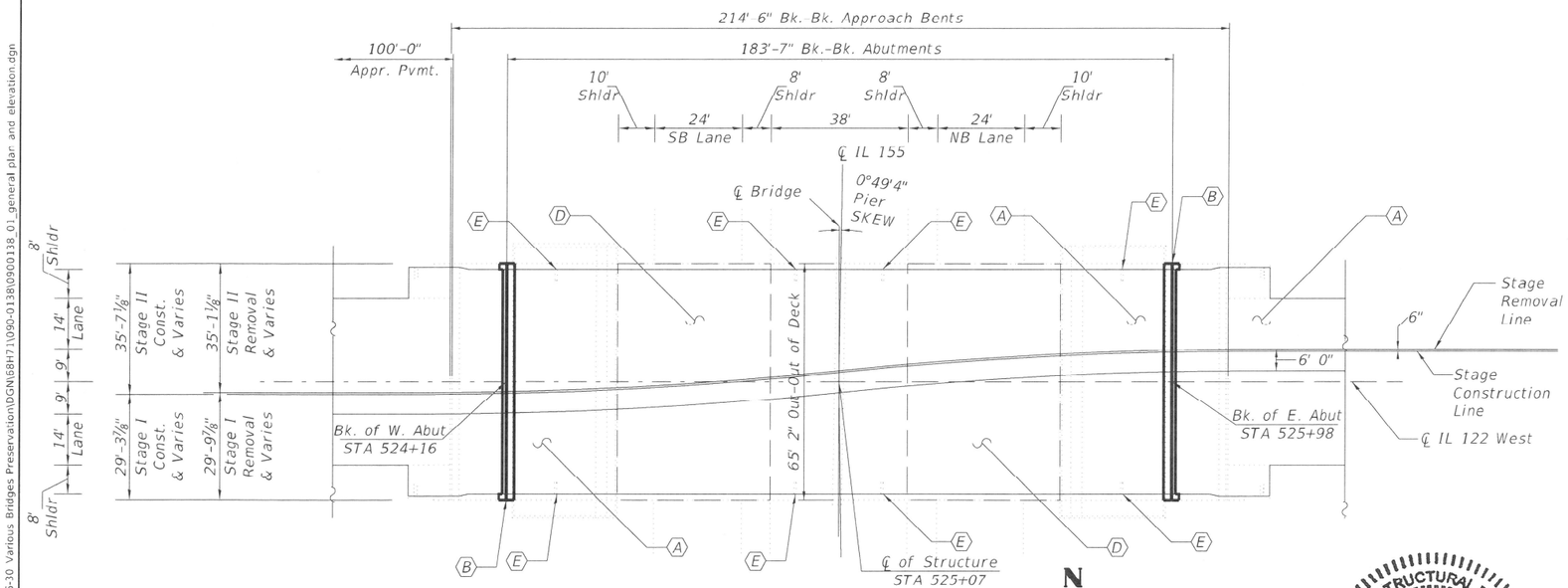
TOTAL BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
	Concrete Removal	Cu. Yd.	16.6
	Concrete Superstructure	Cu. Yd.	18.8
	Bridge Deck Grooving	Sq. Yd.	2075
	Protective Coat	Sq. Yd.	2277
	Reinforcement Bars, Epoxy Coated	Lbs	1700
	Bar Splicers	Each	18
	Preformed Joint Strip Seal	Foot	128
	Epoxy Crack Injection	Foot	76
*	Protective Shield (Permanent)	Sq. Yd.	609
*	Surface Filler (Special)	Gallon	9
*	Protective Coat (Special)	Sq. Yd.	555
*	Bridge Deck Scarification ¾"	Sq. Yd.	2239
*	Bridge Deck Microsilica Concrete Overlay 2¼"	Sq. Yd.	2239
*	Concrete Median Repair	Sq. Ft.	679
*	Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	108
*	Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	11
	Drainage Scuppers to Be Adjusted	Each	6
*	Slopewall Slurry Pumping	Cu. Yd.	8.5

* Denotes Special Provisions



ELEVATION



PLAN

KEYED NOTES

- Ⓐ Bridge Deck Scarification ¾" and 2¼" Microsilica Concrete Overlay
- Ⓑ Expansion Joint Replacement
- Ⓒ Structural Repair of Abutments
- Ⓓ Permanent Protective Shielding
- Ⓔ Drainage Scuppers To Be Adjusted

LEGEND

- Expansion Joint Replacement
- Limits of ¾" Scarification and 2¼" Microsilica Concrete Overlay
- Limits of Protective Shield (Permanent)

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 cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 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 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 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.

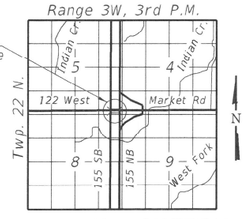
Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental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

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-7200
STATE OF ILLINOIS
Date: 2/9/24

CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 7200
EXPIRES: NOVEMBER 30, 2024



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL 122 WEST
OVER I-155
TAZEWELL COUNTY
STATION 525+07.00
STRUCTURE NO. 090-0138

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-002194
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____
	CHECKED - CJC	REVISED - ____
PLOT SCALE = ____	DRAWN - RGA	REVISED - ____
PLOT DATE = ____	CHECKED - CJC	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 090-0138
SHEET 1 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	103
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAMES
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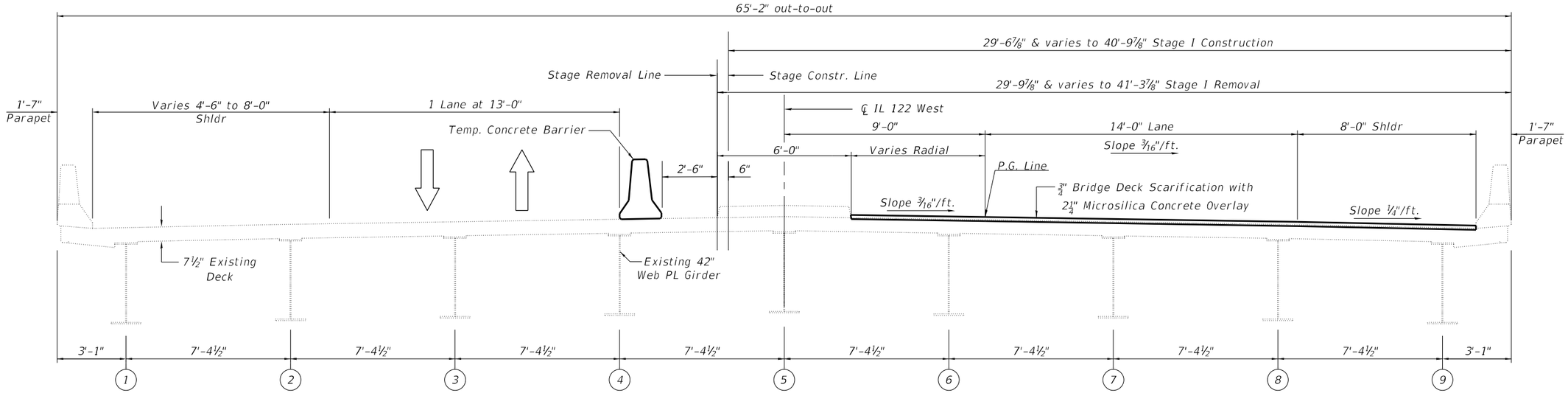
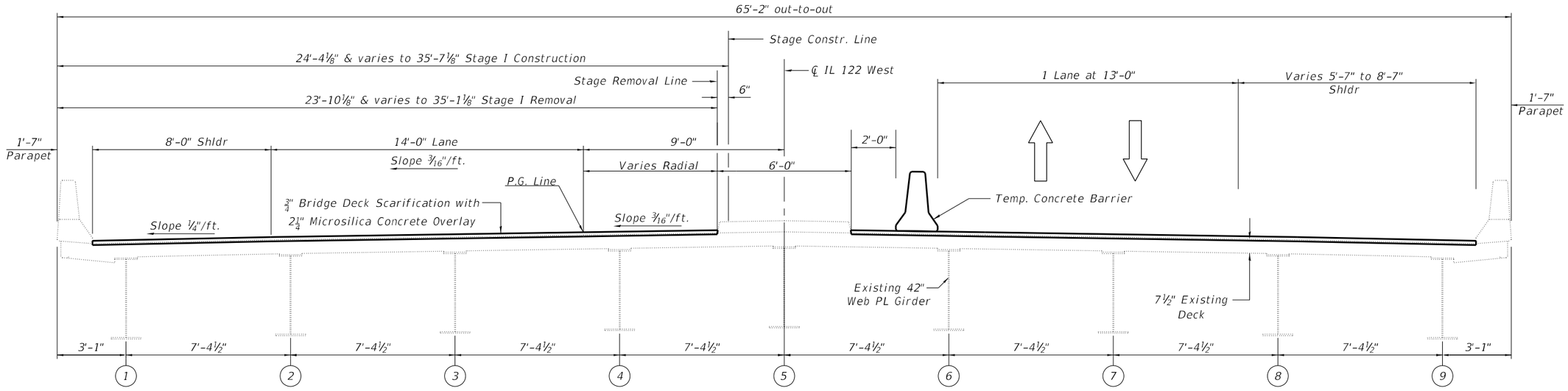


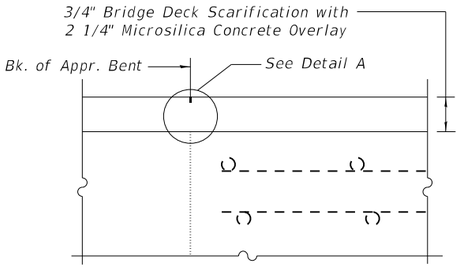
STAGE I REMOVAL AND CONSTRUCTION

(Looking East)

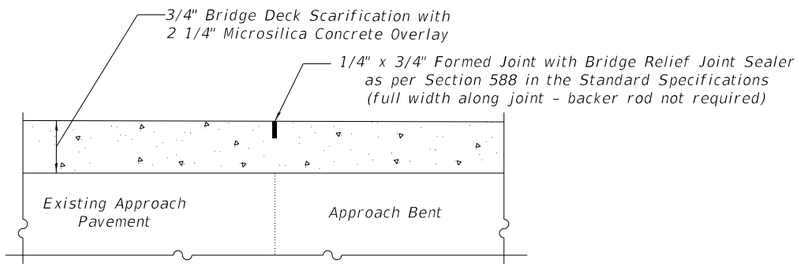


STAGE II REMOVAL AND CONSTRUCTION

(Looking East)



SECTION AT APPROACH



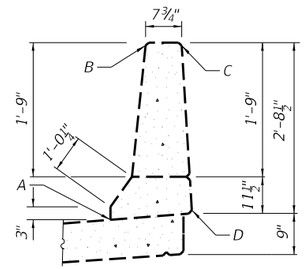
DETAIL A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Coat (Special)	Sq. Yd.	555
Surface Filler (Special)	Gallon	9

NOTES

1. Surface Filler (Special) and Protective Coat (Special) shall be applied per the Special Provisions.
2. Protective Coat (Special) to cover from Point A through Points B, C and D of the Parapet.



PARAPET SEALING DETAIL

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM#184.005238
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - RGA	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION
STRUCTURE NO. 090-0138

SHEET 2 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	104
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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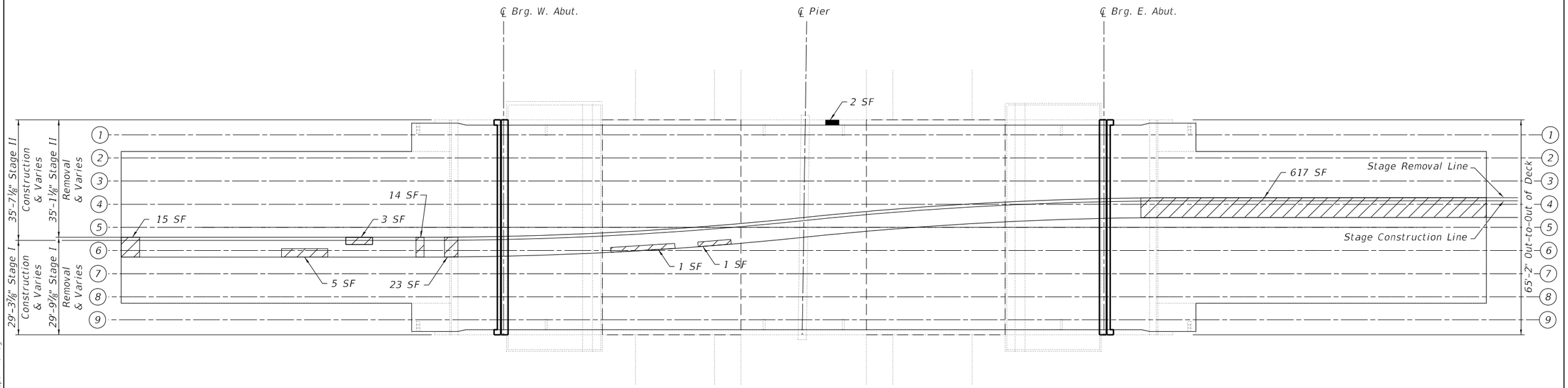
Notes:
1. Locations and dimensions shown are approximate. The Engineer will determine final patch locations and quantities in the fild before bridge deck and approach slab patching operations begin.
2. Engineer in field shall record any additional deck repairs performed prior to deck scarification in order to document as-built conditions for futue reference.
3. All Concrete Median Repair is to occur during stage I as shown in the plans.
4. SF = Square Feet



LEGEND

Stuctural Repair of Concrete (Depth Equal to or Less than 5 inches)

Concrete Median Repair

— — — Limits of Protective Shielding (Permanent)

DECK REPAIR PLAN

N

BILL OF MATERIAL

Item	Unit	Quantity
Protective Coat	Sq. Yd.	2277
Protective Shield (Permanent)	Sq. Yd.	609
Bridge Deck Scarification	Sq. Yd.	2239
Bridge Deck Microsilica Overlay	Sq. Yd.	2239
Concrete Median Repair	Sq. Ft.	679
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.	2

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------
	CHECKED - CJC	REVISED - ----------
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR PLAN
STRUCTURE NO. 090-0138
SHEET 3 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	105
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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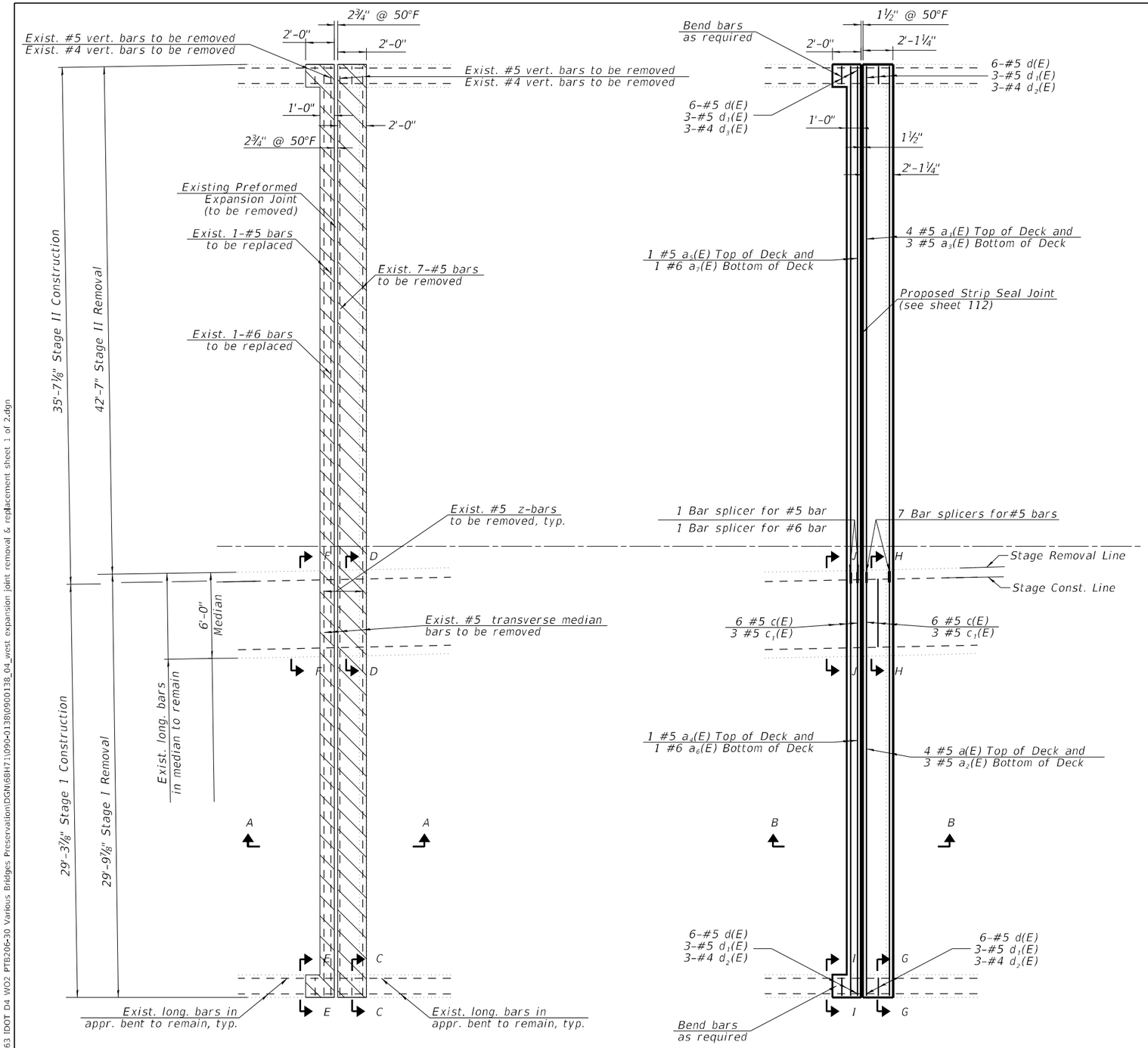
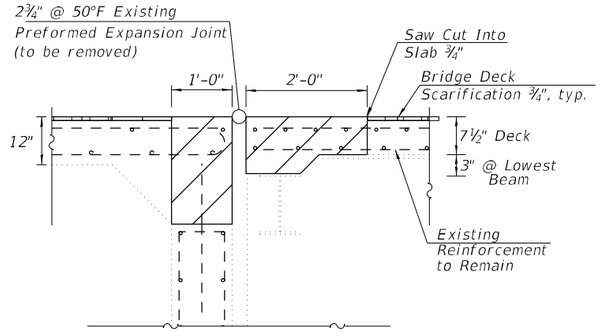


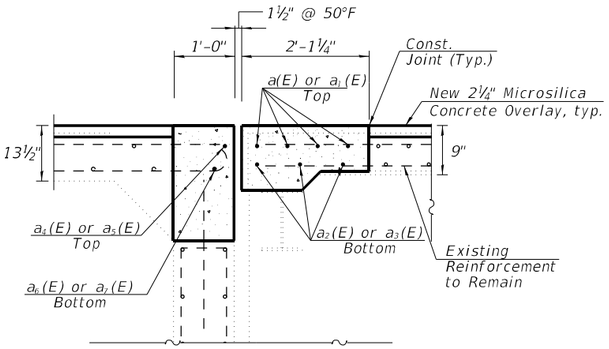
CONCRETE REMOVAL AT W. ABUT.

CONCRETE REPLACEMENT AT W. ABUT.



JOINT REMOVAL SECTION - A-A

(Dims. at Rt. ℄'s to End of Deck)



PROPOSED JOINT SECTION - B-B

(Dims. at Rt. ℄'s to End of Deck)

LEGEND

- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure

NOTES

1. See Sheet 107 for sections C-C through J-J, Bar Diagrams, and Bill of Materials.

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184.005708
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EXPANSION JOINT REMOVAL & REPLACEMENT (1 OF 2)
STRUCTURE NO. 090-0138

SHEET 4 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	106
		CONTRACT NO. 68H71		
	ILLINOIS FED. AID PROJECT			

MODEL: sMODELNAMES
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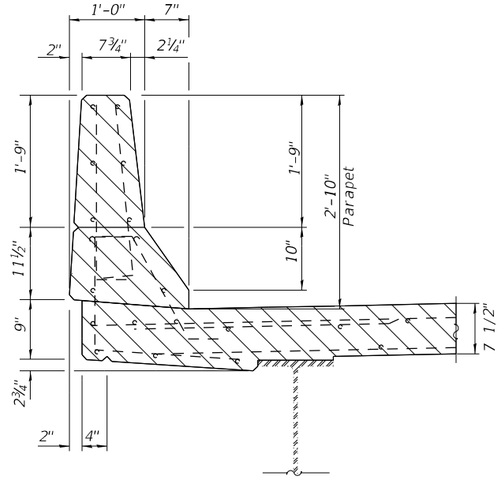
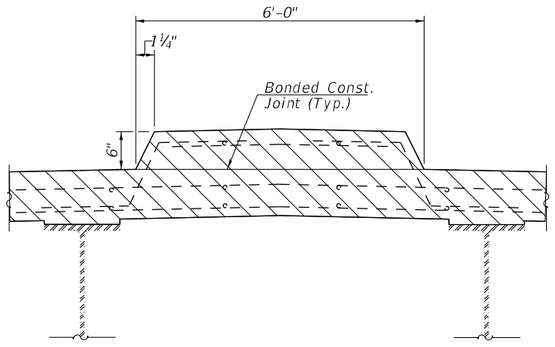
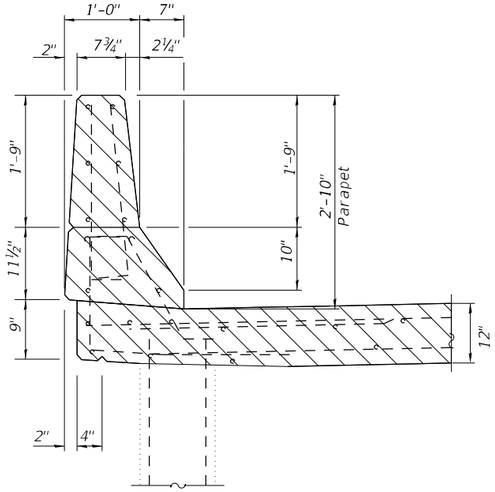


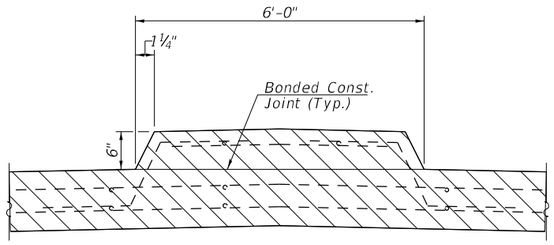
SECTION C-C



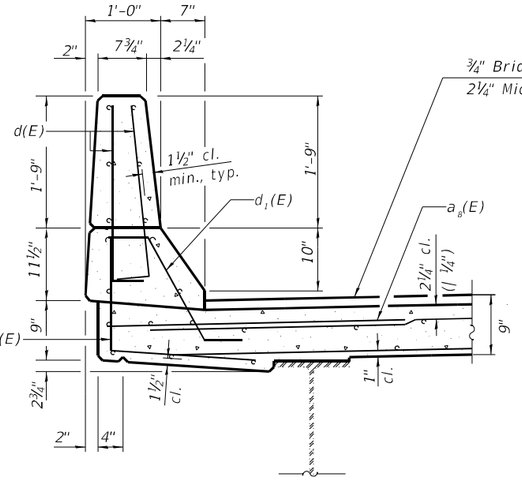
SECTION D-D



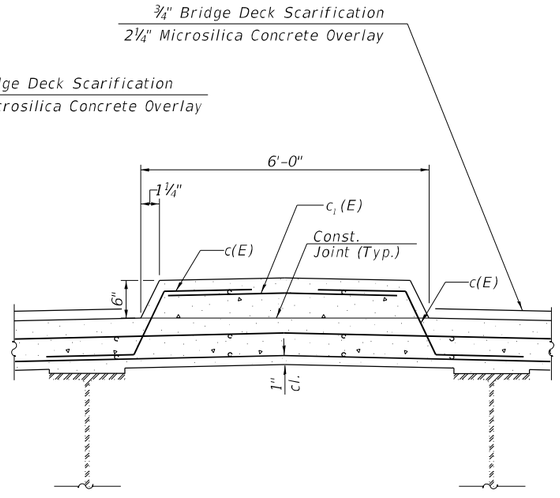
SECTION E-E
(At Approach Bent)



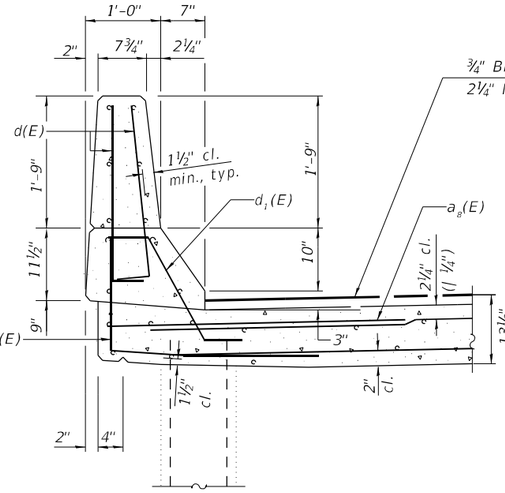
SECTION F-F
(At Approach Bent)



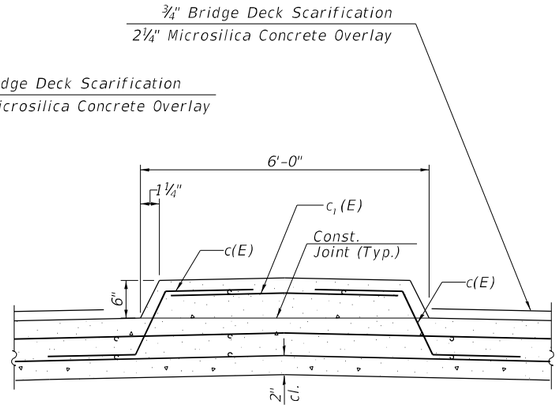
SECTION G-G



SECTION H-H



SECTION I-I
(At Approach Bent)



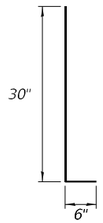
SECTION J-J
(At Approach Bent)

NOTES

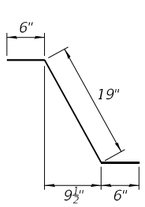
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. In parapet removal areas, existing reinforcing shall remain and be re-incorporated into the new parapets.
5. Cut reinforcing bars in field to fit as required.

LEGEND

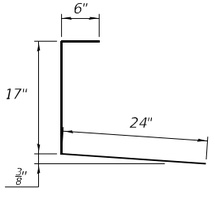
Concrete Removal



BAR d(E)



BAR d_1(E)



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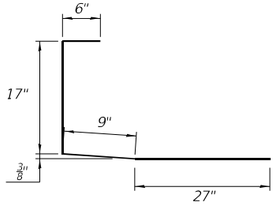

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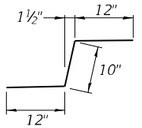


BAR c(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	4	#5	29'-3"	
a1(E)	4	#5	35'-8"	
a2(E)	3	#5	29'-3"	
a3(E)	3	#5	35'-8"	
a4(E)	1	#5	29'-3"	
a5(E)	1	#5	35'-8"	
a6(E)	1	#6	29'-3"	
a7(E)	1	#6	35'-8"	
a8(E)	10	#6	4'-0"	
c(E)	10	#5	2'-10"	
c1(E)	5	#5	5'-6"	
d(E)	12	#5	3'-0"	
d1(E)	6	#5	2'-7"	
d2(E)	6	#4	3'-11"	
d3(E)	6	#4	4'-11"	
Reinforcement Bars, Epoxy Coated		Lbs.	850	
Concrete Superstructure		Cu. Yds.	9.4	
Concrete Removal		Cu. Yds.	8.3	

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0138\090010138_05_west expansion joint removal & replacement sheet 2 of 2.dgn
5/9/2024 12:42:40 PM

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184.005298
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

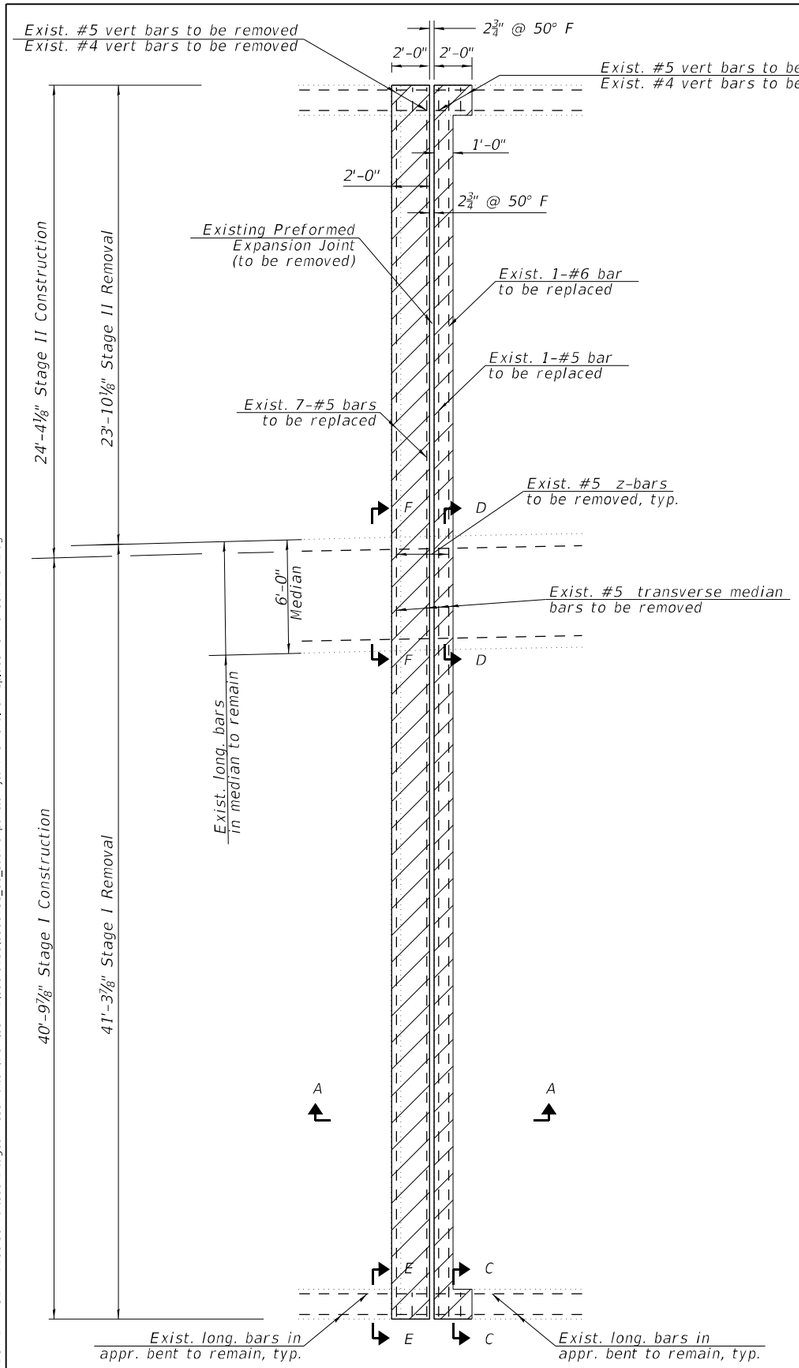
USER NAME = ____
PLOT SCALE = ____
PLOT DATE = ____

DESIGNED - JJC | REVISED - ____
CHECKED - CJC | REVISED - ____
DRAWN - AE | REVISED - ____
CHECKED - JJC | REVISED - ____

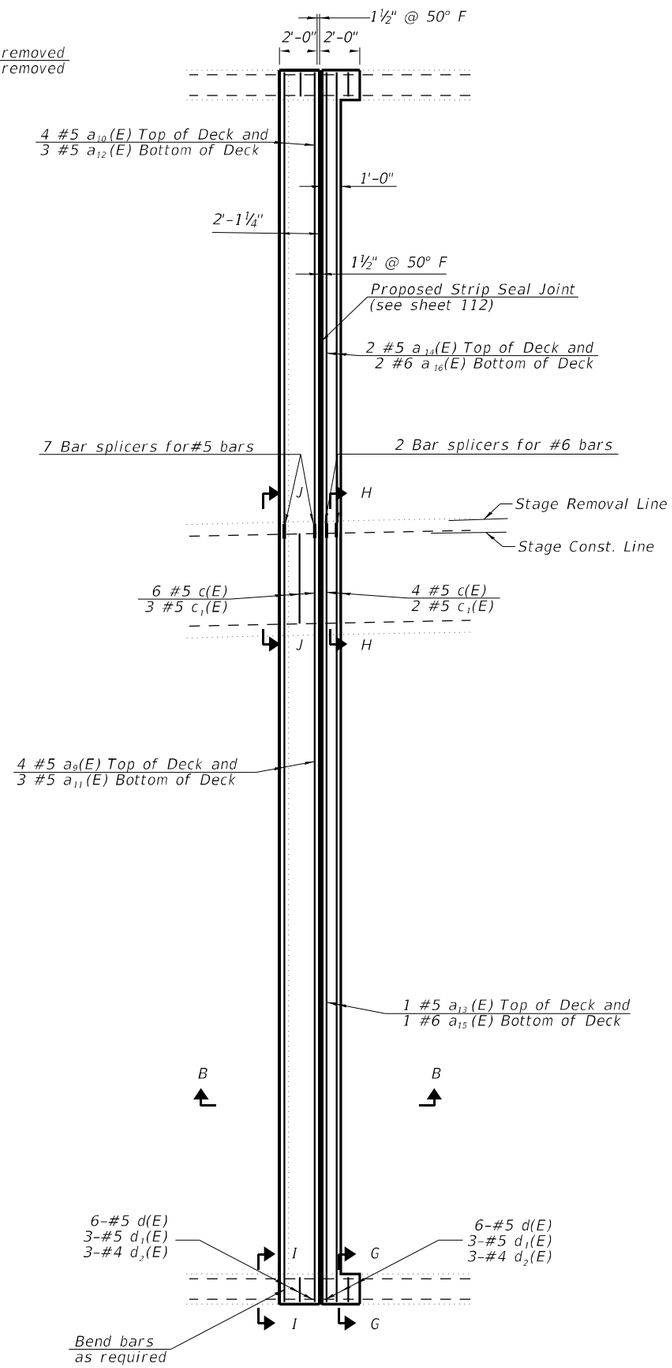
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EXPANSION JOINT REMOVAL & REPLACEMENT (2 OF 2)
STRUCTURE NO. 090-0138
SHEET 5 OF 12 SHEETS

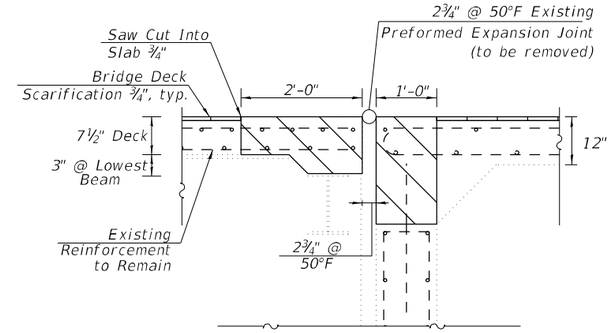
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	107
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



CONCRETE REMOVAL AT E. ABUT.

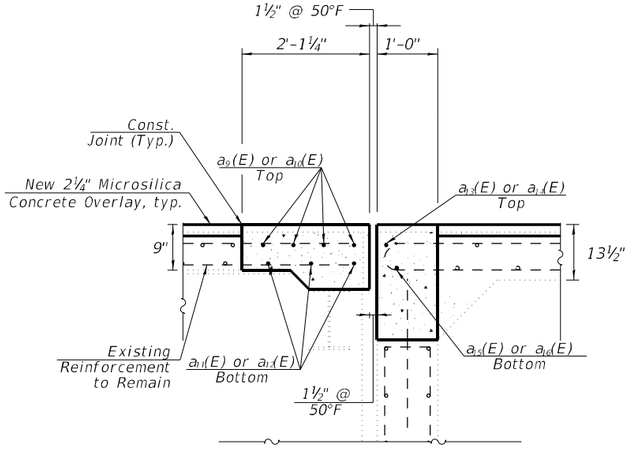


CONCRETE REPLACEMENT AT E. ABUT.



JOINT REMOVAL SECTION - C-C

(Dims. at Rt. ∠'s to End of Deck)



PROPOSED JOINT SECTION - D-D

(Dims. at Rt. ∠'s to End of Deck)

LEGEND

Concrete Removal

Bridge Deck Scarification, ¾"

Concrete Superstructure

NOTES

1. See Sheet 109 for sections C-C through J-J, Bar Diagrams, and Bill of Materials.

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBERS 184.002308
1400 E. TREMONT ST.
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PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____
	CHECKED - CJC	REVISED - ____
PLOT SCALE = ____	DRAWN - AE	REVISED - ____
PLOT DATE = ____	CHECKED - JJC	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST EXPANSION JOINT REMOVAL & REPLACEMENT (1 OF 2)
STRUCTURE NO. 090-0138

SHEET 6 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	108
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
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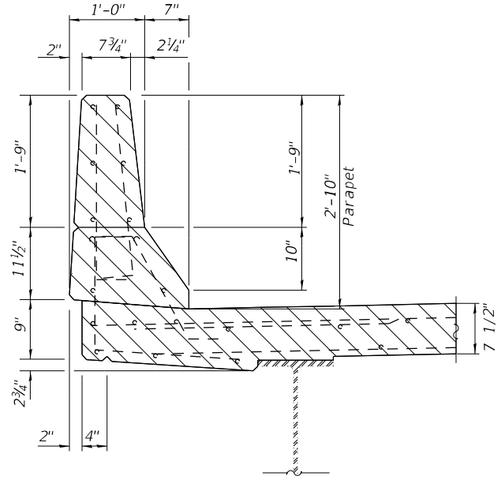
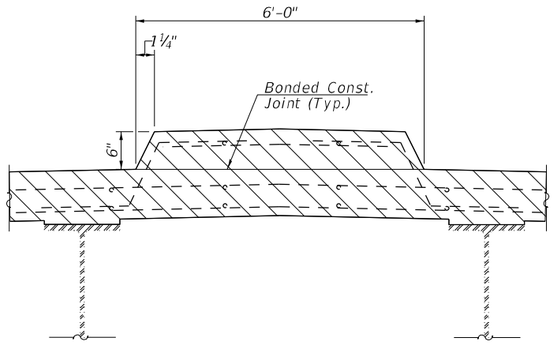
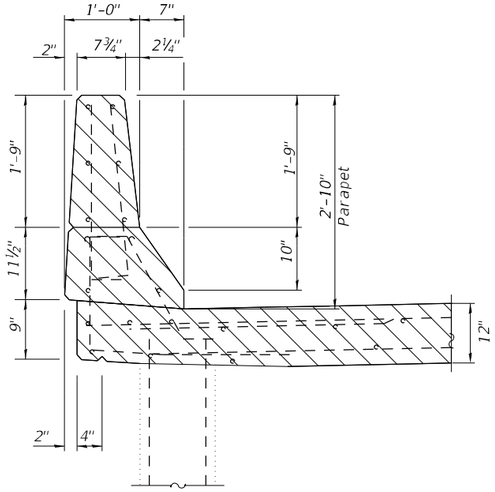


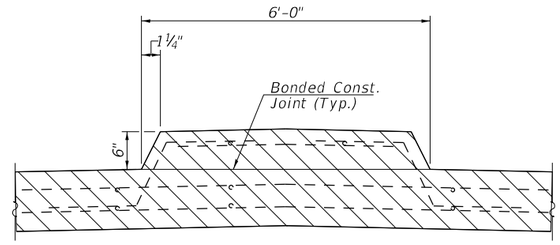
SECTION C-C



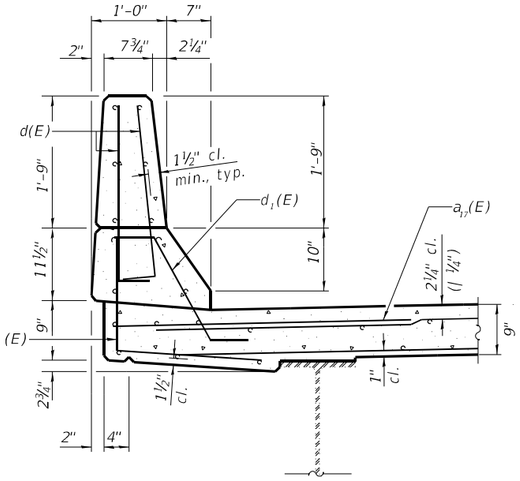
SECTION D-D



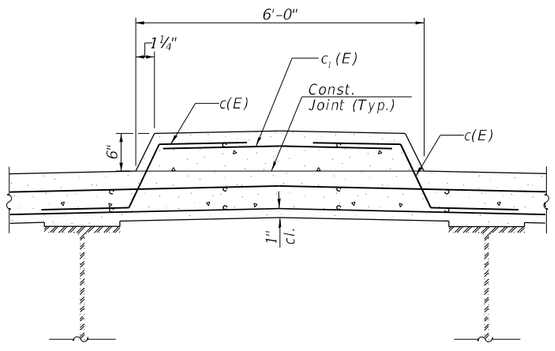
SECTION E-E
(At Approach Bent)



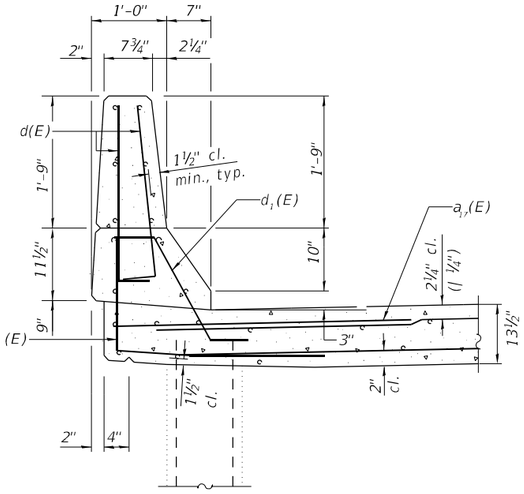
SECTION F-F
(At Approach Bent)



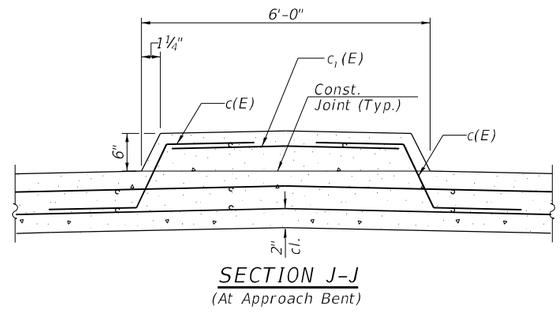
SECTION G-G



SECTION H-H



SECTION I-I
(At Approach Bent)



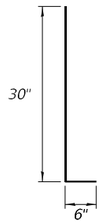
SECTION J-J
(At Approach Bent)

NOTES

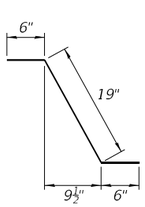
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. In parapet removal areas, existing reinforcing shall remain and be re-incorporated into the new parapets.
5. Cut reinforcing bars in field to fit as required.

LEGEND

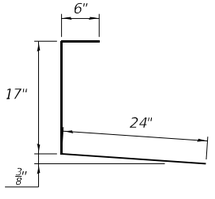
Concrete Removal



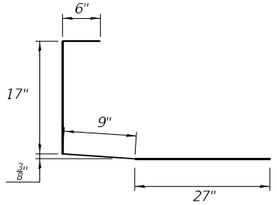
BAR d(E)



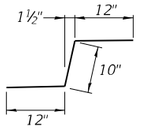
BAR d_1(E)



BAR d_2(E)



BAR d_3(E)



BAR c(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a9(E)	4	#5	40'-8"	
a10(E)	4	#5	24'-3"	
a11(E)	3	#5	40'-8"	
a12(E)	3	#5	24'-3"	
a13(E)	1	#5	40'-8"	
a14(E)	1	#5	24'-3"	
a15(E)	1	#6	40'-8"	
a16(E)	1	#6	24'-3"	
a17(E)	10	#6	4'-0"	
c(E)	10	#5	2'-10"	
c1(E)	5	#5	5'-6"	
d(E)	12	#5	3'-0"	
d1(E)	6	#5	2'-7"	
d2(E)	6	#4	3'-11"	
d3(E)	6	#4	4'-11"	
Reinforcement Bars, Epoxy Coated			Lbs.	850
Concrete Superstructure			Cu. Yds.	9.4
Concrete Removal			Cu. Yds.	8.3

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005288
1400 E. TREMONT ST.
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PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ____	DESIGNED - JJC	REVISED - ____	
	CHECKED - CJC	REVISED - ____	
PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
PLOT DATE = ____	CHECKED - JJC	REVISED - ____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST EXPANSION JOINT REMOVAL & REPLACEMENT (2 OF 2)
STRUCTURE NO. 090-0138

SHEET 7 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	109
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0138\090138_07_east expansion joint removal & replacement sheet 2 of 2.dgn

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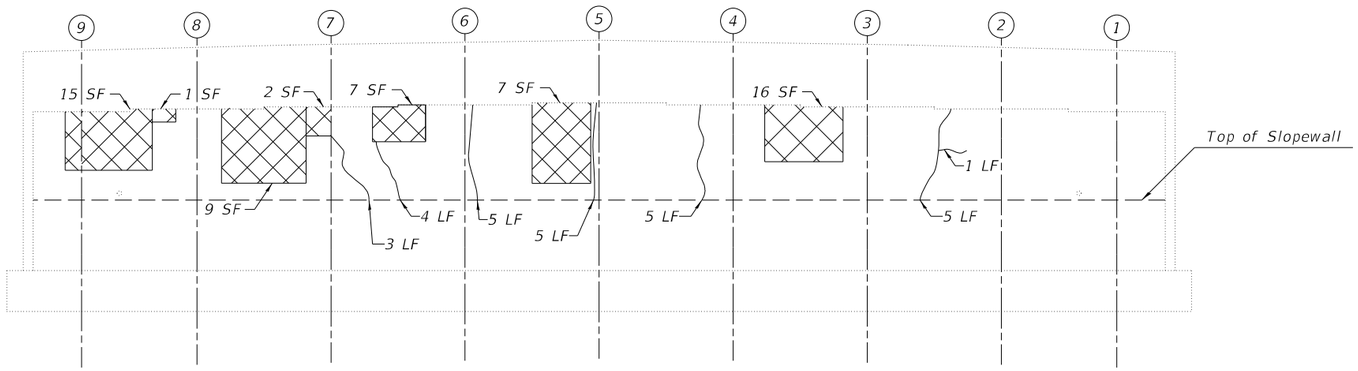
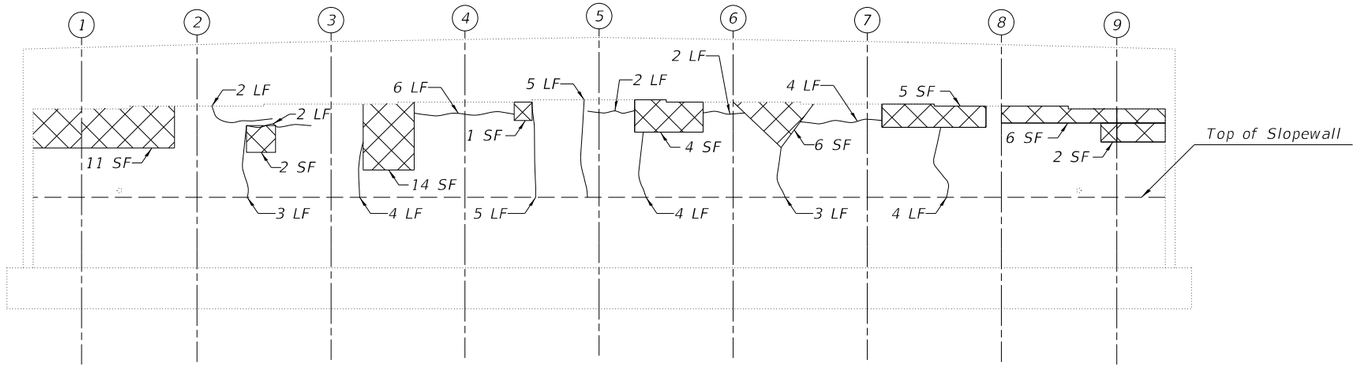
Notes:
1. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.
2. SF = Square Feet



WEST ABUTMENT

(Looking West)



EAST ABUTMENT

(Looking East)

LEGEND

H	Hairline Crack
~	Epoxy Crack Injection
⊠	Structural Repair of Concrete (Depth Equal To or Less than 5 inches)
SF	– Square Foot
LF	– Linear Foot

BILL OF MATERIAL

Item	Unit	Quantity
Epoxy Crack Injection	Foot	76
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft.	106

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184.005292
1400 E. TREMONT ST.
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JOB NO. 192-1063

USER NAME = ----------		DESIGNED - JJC		REVISED - ----------	
		CHECKED - CJC		REVISED - ----------	
PLOT SCALE = ----------		DRAWN - AE		REVISED - ----------	
PLOT DATE = ----------		CHECKED - JJC		REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT REPAIR DETAILS
STRUCTURE NO. 090-0138

SHEET 8 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	110
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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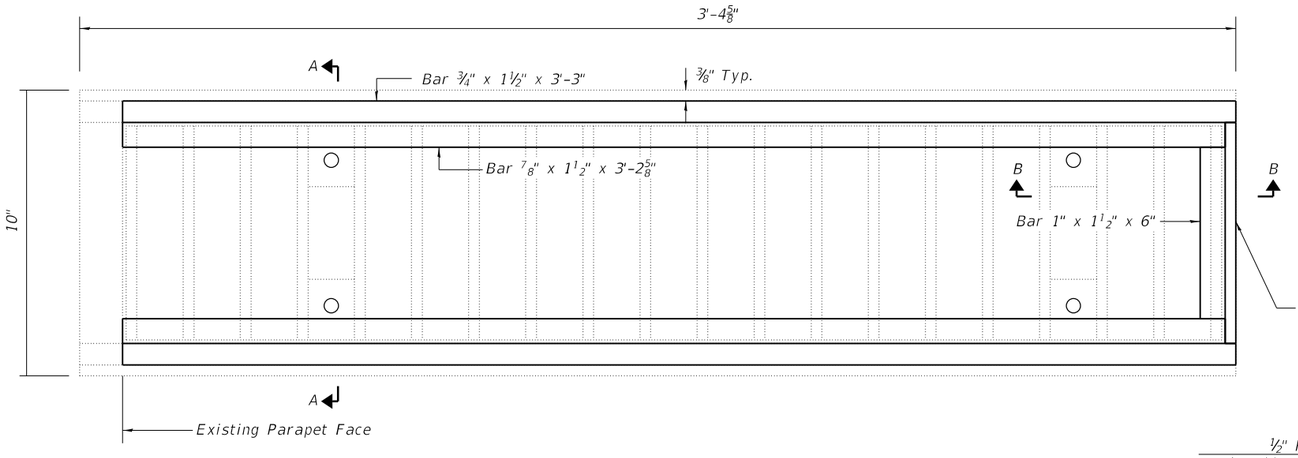
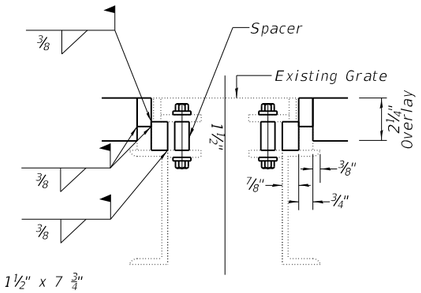
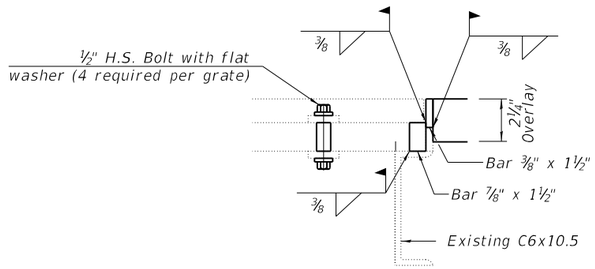


DRAINAGE SCUPPER - PLAN



SECTION A-A



SECTION B-B

Notes:
The contractor shall ensure that no damange is done to existing grates to be reused.
Shop plans for proposed adjusting inlet ring shall be submitted for approval prior to fabrication.
Cost of all labor and materials necessary to remove exisitng grates, clean existing scuppers, install adjusting inlet rings and reinstalling grates is included in the cost per unit for drainage scuppers to be Adjusted.
All structural steel shall conform to AASHTO Classification M-270 Gr. 36. The adjusting inlet ring shall be galvanized.
Bolts shall be 1/2" ϕ, AASHTO M164 Type 1, mechanically galvanized.
Existing Approach Draing dimensions per IDOT standard 609006.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drainage Scuppers to be Adjusted	Each	6

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71090-0138\0900138_09_scupper adjustment details.dgn

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM# 184.005338
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

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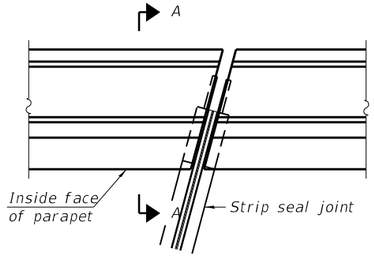
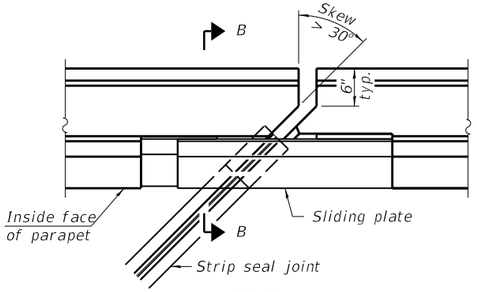
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCUPPER ADJUSTMENT DETAILS
STRUCTURE NO. 090-0138
SHEET 9 OF 12 SHEETS

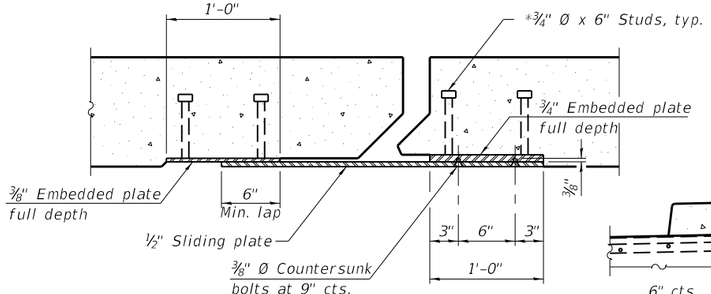
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	111
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



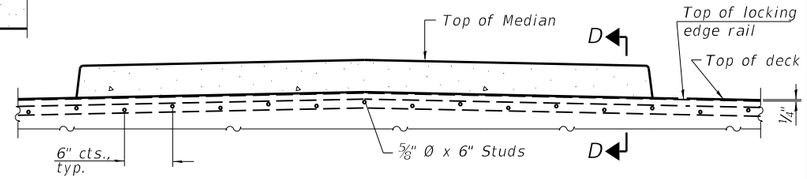
PLAN
(For skews < 30°)



PLAN
(For skews > 30°)
Showing point block

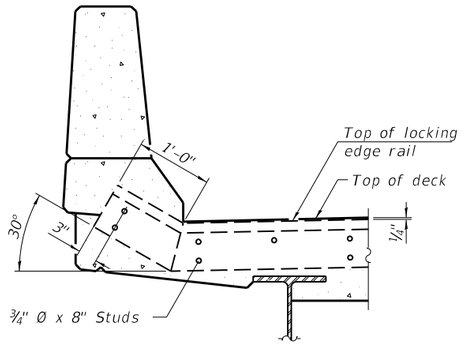


SECTION C-C

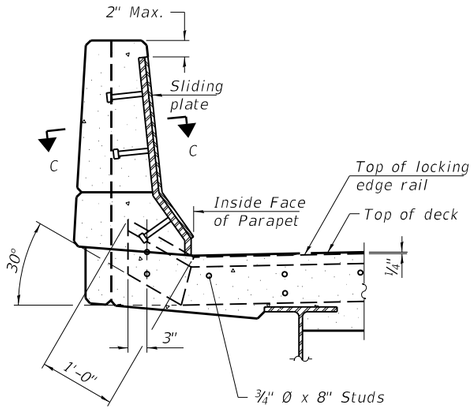


SECTION AT MEDIAN

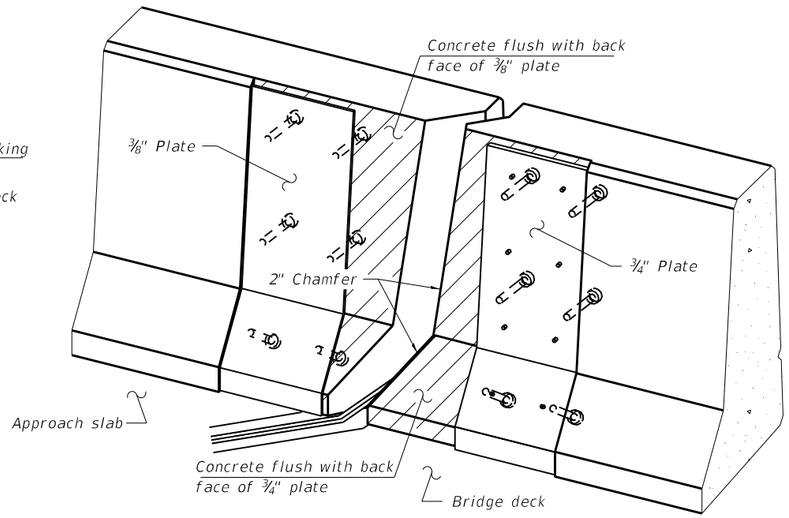
For skews > 30°, chamfer acute corners 2" similar to sidewalk.



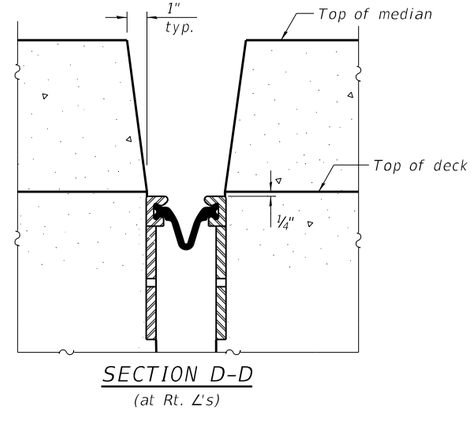
SECTION A-A



SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)



SECTION D-D
(at Rt. ℄'s)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". 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 conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

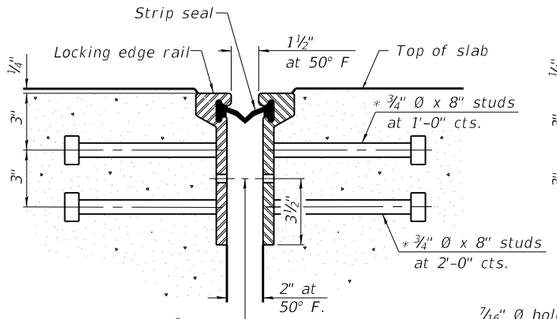
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

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

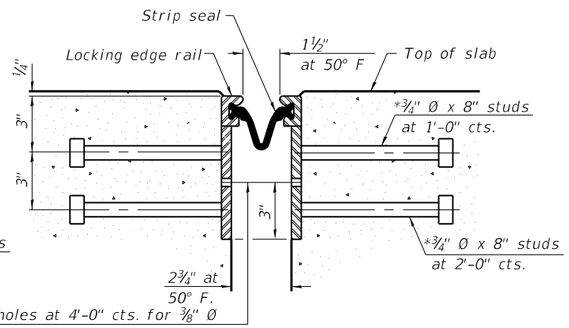
Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.



7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

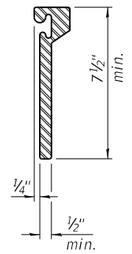
SECTION THRU
ROLLED RAIL JOINT



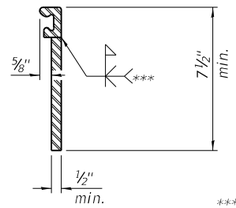
7/16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
WELDED RAIL JOINT

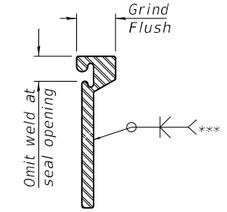
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED
EXTRUDED RAIL



WELDED RAIL



*** 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.

LOCKING EDGE RAILS

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	128

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0138\0900138_10_Preformed Joint Strip Seal.dgn
2/9/2024 4:01:52 PM

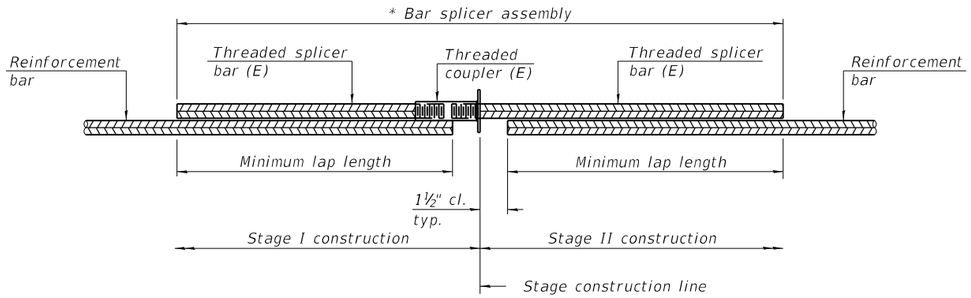
Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-006288
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ... | DESIGNED - JJC | REVISED - .....
CHECKED - CJC | REVISED - .....
PLOT SCALE = ... | DRAWN - AE | REVISED - .....
PLOT DATE = ... | CHECKED - CJC | REVISED - .....

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 090-0138
SHEET 10 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	112
		CONTRACT NO. 68H71		
		ILLINOIS	FED. AID PROJECT	



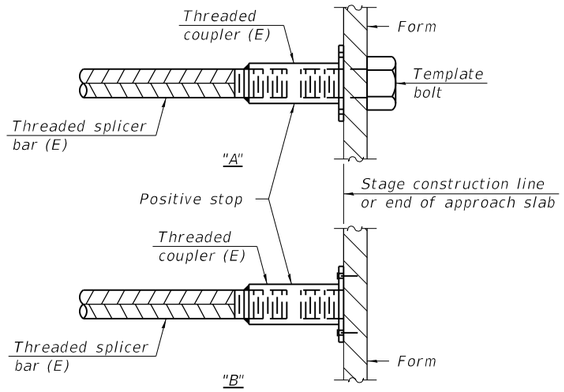
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 1½" + thread length

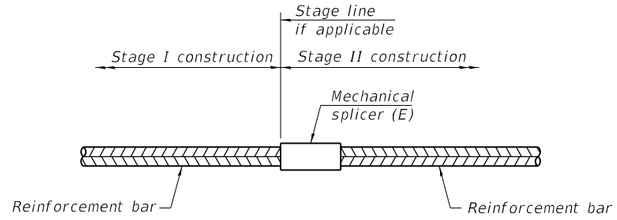
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
West Abutment	#5	7	3'-4"
East Abutment	#5	7	3'-4"
West Abutment	#6	2	4'-0"
East Abutment	#6	2	4'-0"



INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

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 2-1-2023

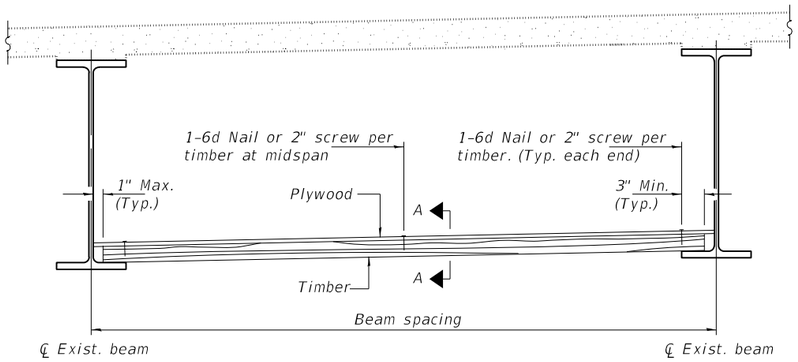
Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO, 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

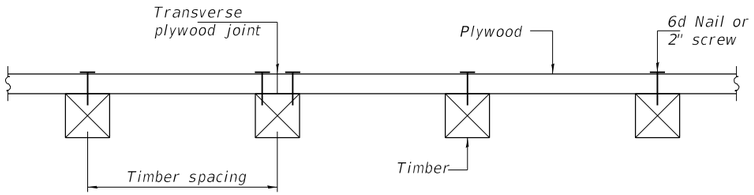
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 090–0138
SHEET 11 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	113
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		



STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

Notes: See special provision for Permanent Protective Shield System.

Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.

The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions. All timber shall be treated.

Plywood shall be 5/8" rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	609

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184001208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME =	DESIGNED JJC	REVISED -
	CHECKED CJC	REVISED -
PLOT SCALE =	DRAWN AE	REVISED -
PLOT DATE =	CHECKED CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT PROTECTIVE SHIELDING
STRUCTURE NO. 090-0138
SHEET 12 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	114
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
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Benchmark:
RRS In Power Pole, 30' N. of C.H.8, F.A Rte. 406 Sta. 1048+55, 108' Lt., Elev. 611.384

Existing Structure No. 090-0139:
The existing structure is a two span bridge with a 7 ½" concrete deck supported by 42" Web Plate Girders. The structure was constructed in 1988 as Section 90-(109)HB. The superstructure is supported by closed vaulted abutments. It has an out to out deck width of 33'-2" and a 295'-1" back to back abutment length.

Traffic Control to Utilize Detours.

SCOPE OF WORK

1. Install Permanent Protective Shield Above the NB and SB I-155, and IL Rte. 121 as Indicated on the Plans
2. Remove Inlet Grates and Replace with RipRap Swales per Civil Sheets
3. Perform Bridge Deck Scarification, 3/4"
4. Perform Parapet Repairs, Fill Relief Joint Cracks as Needed
5. Perform Expansion Joint Reconstruction
6. Perform Deck Microsilica Concrete Overlay, 2¼"
7. Perform Abutment Repairs at Locations Indicated on the Plans

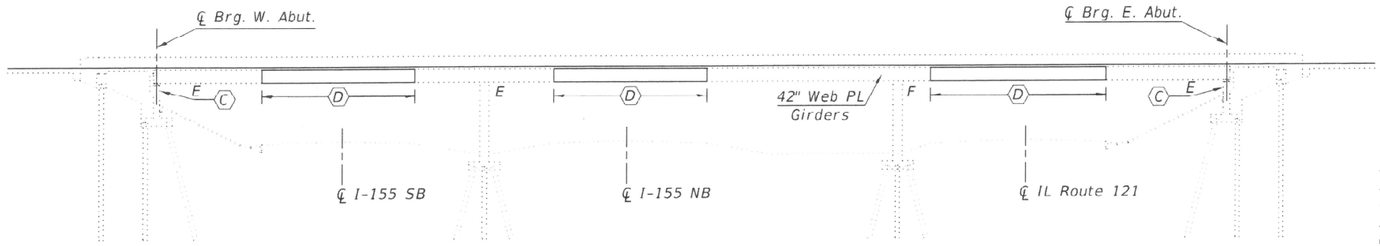
TOTAL BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
	Concrete Removal	Cu. Yd.	8.8
	Concrete Superstructure	Cu. Yd.	10.0
	Bridge Deck Grooving	Sq. Yd.	1109
	Protective Coat	Sq. Yd.	1216
	Reinforcement Bars, Epoxy Coated	Lbs	1120
	Preformed Joint Strip Seal	Foot	67
	Epoxy Crack Injection	Foot	21
*	Protective Shield (Permanent)	Sq. Yd.	472
*	Surface Filler (Special)	Gallon	13
*	Protective Coat (Special)	Sq. Yd.	859
*	Bridge Deck Scarification ¾"	Sq. Yd.	1196
*	Bridge Deck Microsilica Concrete Overlay 2¼"	Sq. Yd.	1196
*	Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	139
*	Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	14
*	Drainage Scuppers To Be Adjusted	Each	2
*	Slopewall Slurry Pumping	Cu. Yd.	2.0

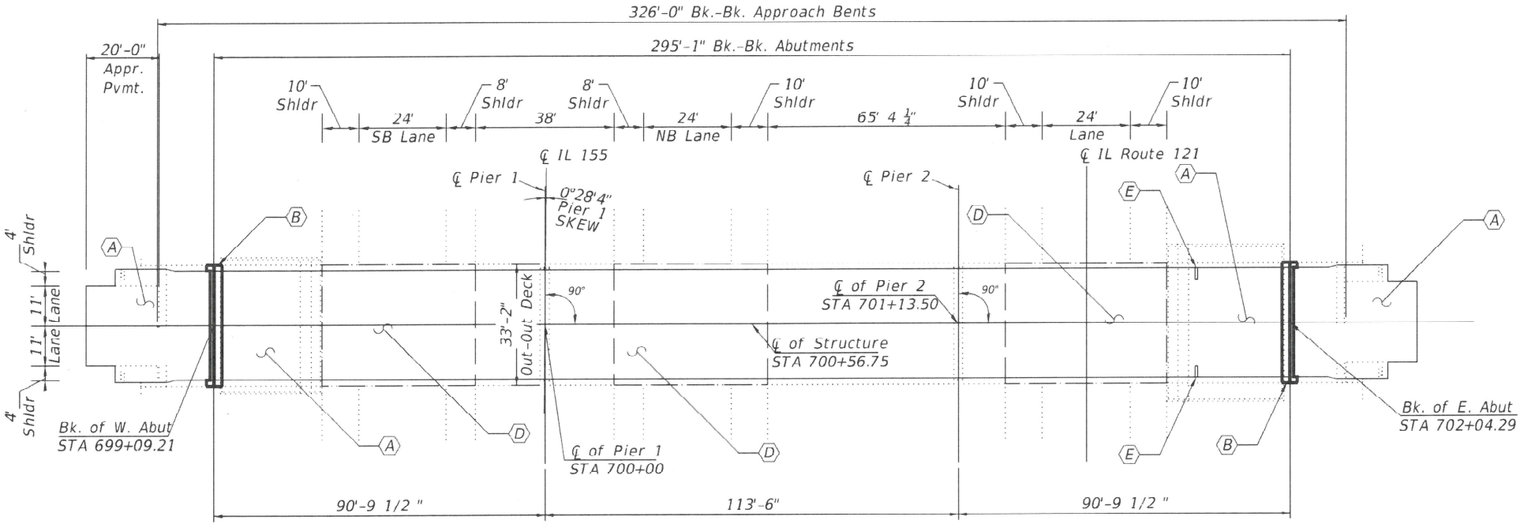
* Denotes Special Provisions

INDEX OF SHEETS

ELEVATION



PLAN



KEYED NOTES

- (A) Bridge Deck Scarification ¾" and 2¼" Microsilica Concrete Overlay
- (B) Expansion Joint Replacement
- (C) Structural Repair of Abutments
- (D) Permanent Protective Shielding
- (E) Scupper Adjustment

LEGEND

- Expansion Joint Replacement
- Limits of ¾" Scarification and 2¼" Microsilica Concrete Overlay
- Limits of Protective Shield (Permanent)

GENERAL NOTES

Reinforcement bars designated (C) 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 cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 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 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 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.

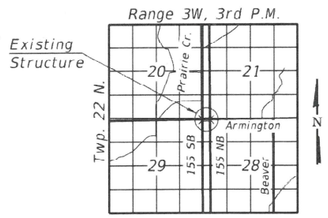
Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental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

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-7200
STATE OF ILLINOIS
Date: 5/9/24

CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 7200
EXPIRES: NOVEMBER 30, 2024



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ARMINGTON ROAD
OVER I-155 AND IL RTE. 121
TAZEWELL COUNTY
STATION 700+56.75
STRUCTURE NO. 090-0139

Hurst-Rosche, Inc. PROFESSIONAL DESIGN NUMBER: 184-002208 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = ____	DESIGNED - JJC	REVISED - ____
		CHECKED - CJC	REVISED - ____
	PLOT SCALE = ____	DRAWN - RGA	REVISED - ____
	PLOT DATE = ____	CHECKED - CJC	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 090-0139
SHEET 1 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	115
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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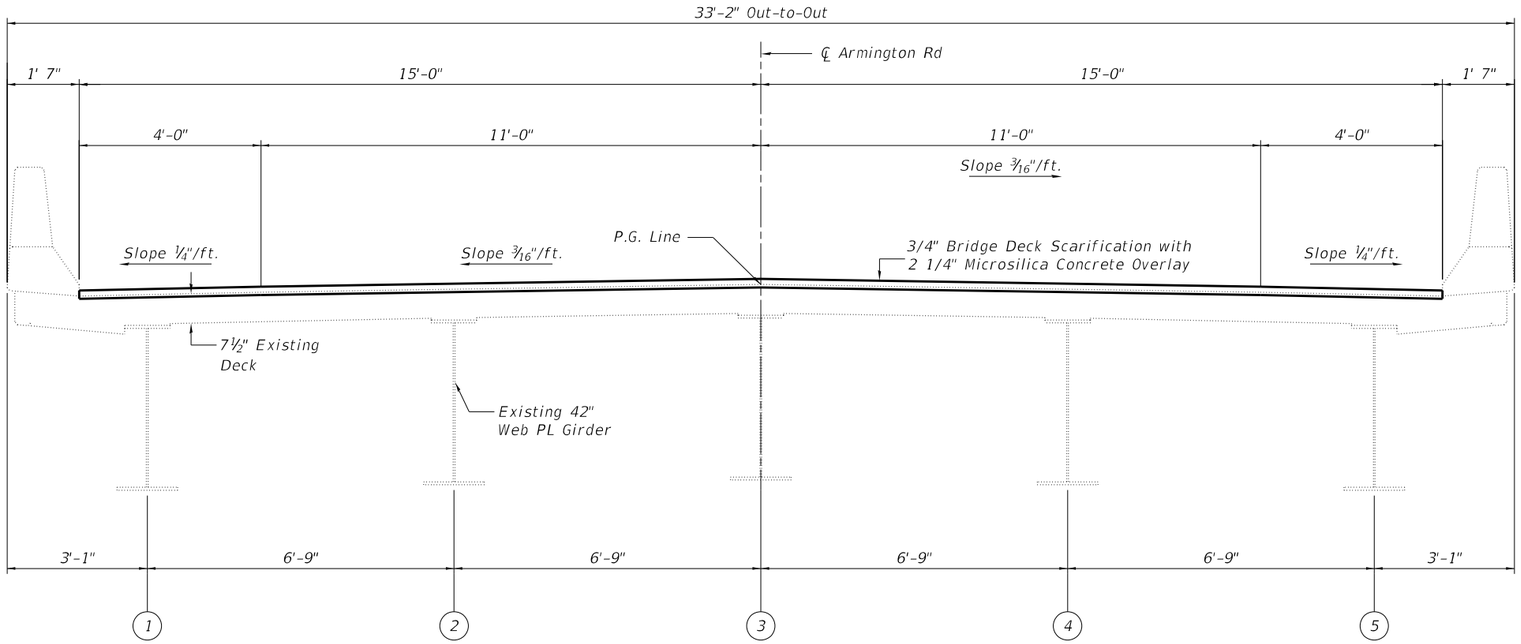
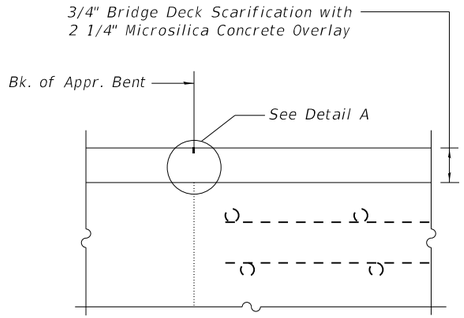
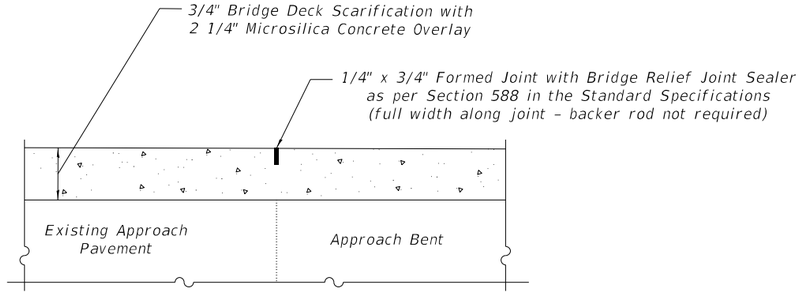


CROSS SECTION



SECTION AT APPROACH



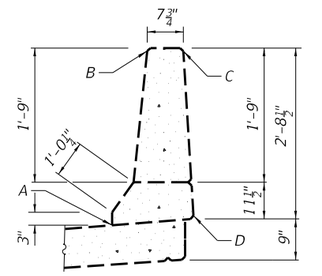
DETAIL A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Surface Filler (Special)	Gallon	13
Protective Coat (Special)	Sq. Yd.	859

NOTES

1. Surface Filler (Special) and Protective Coat (Special) shall be applied per the Special Provisions.
2. Protective Coat (Special) to cover from Point A through Points B, C and D of the Parapet.



PARAPET SEALING DETAIL

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Hurst-Rosche, Inc.
PROFESSIONAL ENGINEERING SERVICES
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

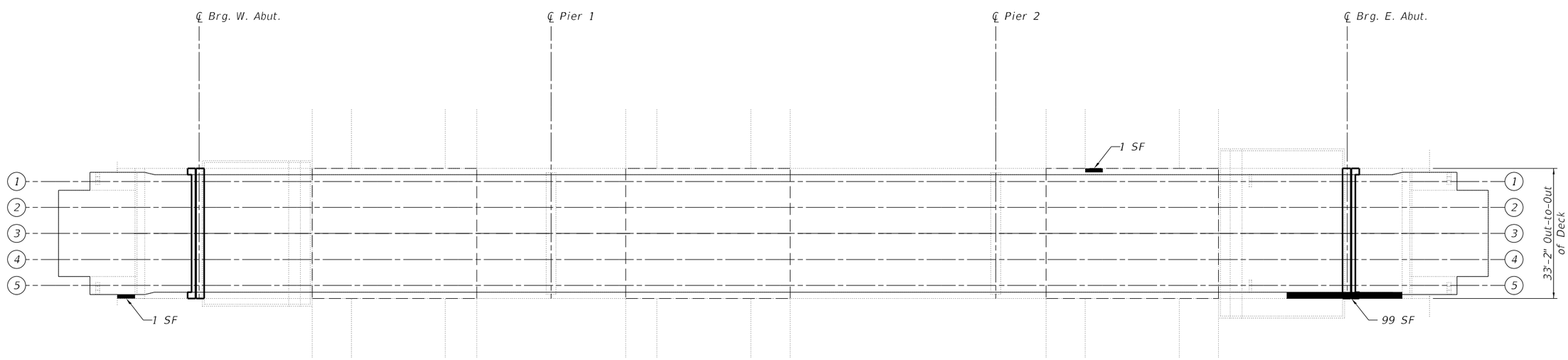
USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
STRUCTURE NO. 090-0139
SHEET 2 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	116
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

Notes:
1. Locations and dimensions shown are approximate. The Engineer will determine final patch locations and quantities in the fild before bridge deck and approach slab patching operations begin.
2. Engineer in field shall record any additional deck repairs performed prior to deck scarification in order to document as-built conditions for futue reference.
3. SF = Square Feet



LEGEND

Stuctural Repair of Concrete (Depth Equal to or Less than 5 inches)

Limits of Protective Shielding (Permanent)

DECK REPAIR PLAN

N

BILL OF MATERIAL

Item	Unit	Quantity
Protective Coat	Sq. Yd.	1216
Protective Shield (Permanent)	Sq. Yd.	472
Bridge Deck Scarification	Sq. Yd.	1196
Bridge Deck Microsilica Overlay	Sq. Yd.	1196
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.	101

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0139\0900139_03_deck repair details.dgn

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184.005258
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------	
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR PLAN
STRUCTURE NO. 090-0139
SHEET 3 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	117
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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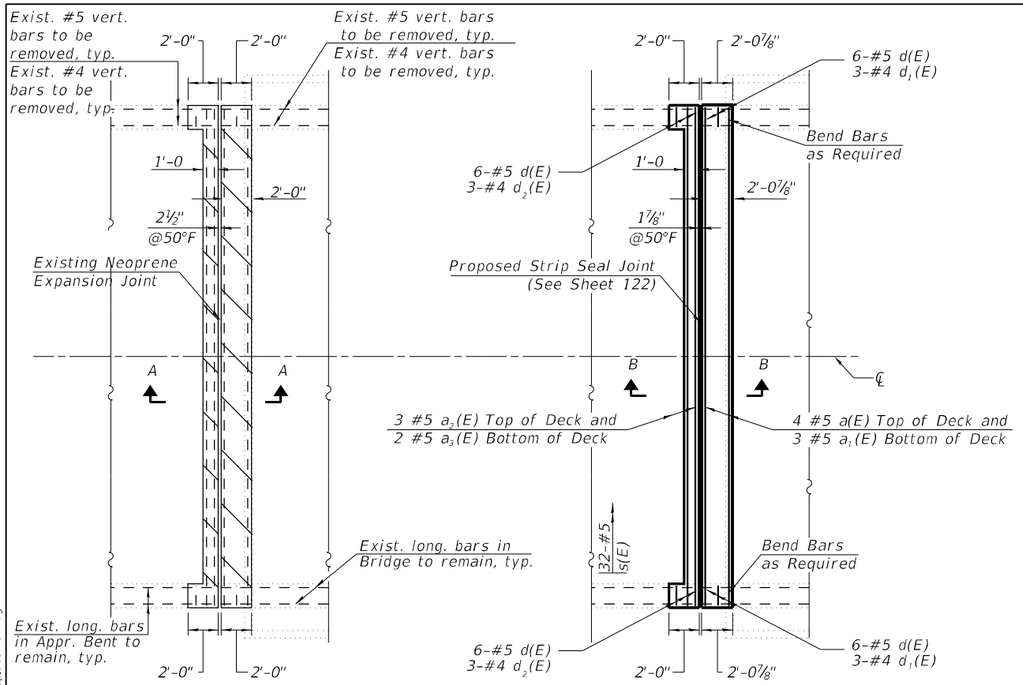
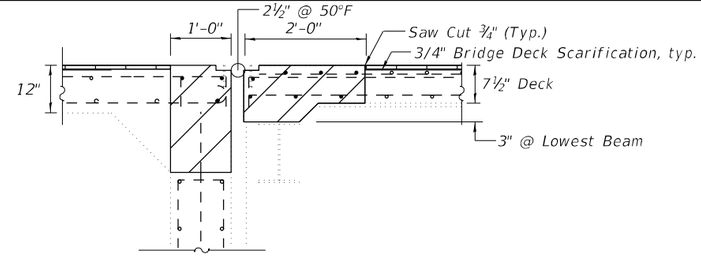


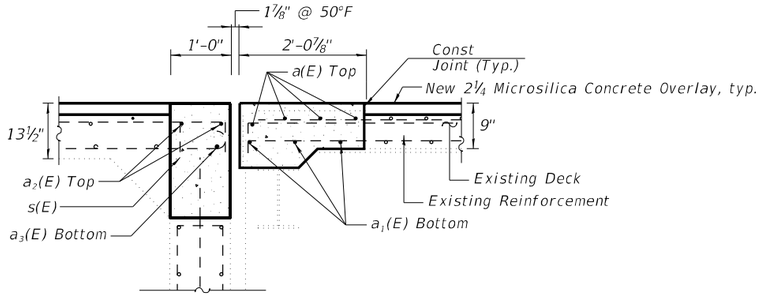
CONCRETE REMOVAL AT W. ABUT.

CONCRETE REPLACEMENT AT W. ABUT.



JOINT REMOVAL SECTION – A-A

(Dims. at Rt. ∠'s to End of Deck)

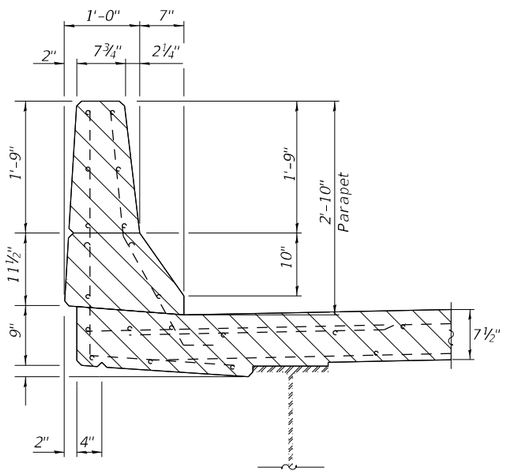


PROPOSED JOINT SECTION – B-B

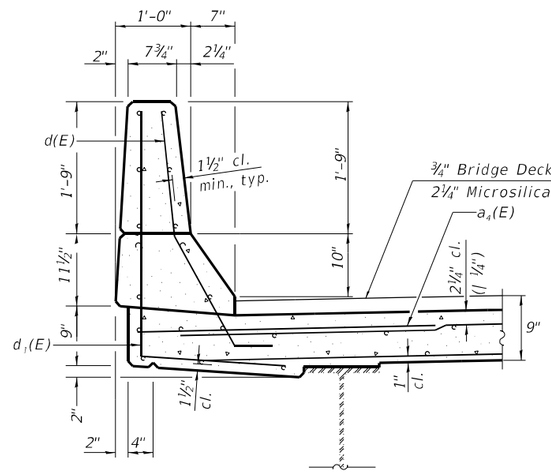
(Dims. at Rt. ∠'s to End of Deck)

SUPERSTRUCTURE BILL OF MATERIAL

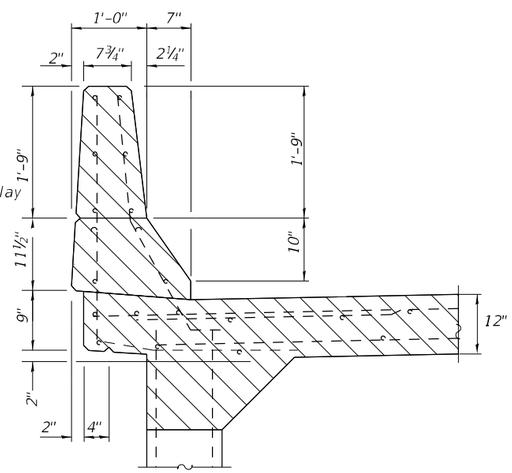
Bar	No.	Size	Length	Shape
a(E)	4	#5	32'-11"	
a1(E)	3	#5	32'-11"	
a2(E)	2	#5	32'-11"	
a3(E)	1	#6	32'-11"	
a4(E)	12	#6	4'-0"	
s(E)	32	#5	1'-11"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	5'-3"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated			Lbs.	590
Concrete Superstructure			Cu. Yds.	5.0
Concrete Removal			Cu. Yds.	4.4



PARAPET REMOVAL CROSS SECTION

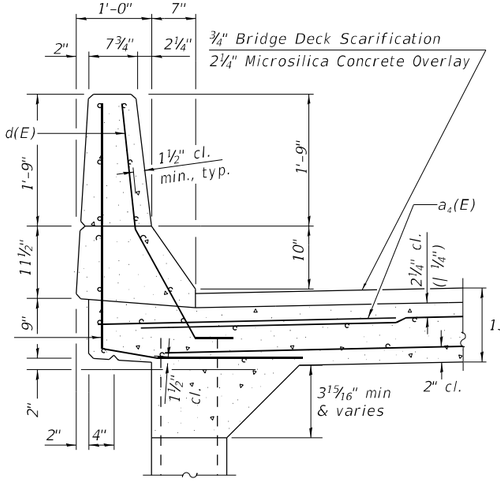


PARAPET REPLACEMENT CROSS SECTION



PARAPET REMOVAL CROSS SECTION

(At Approach Bent)



PARAPET REPLACEMENT CROSS SECTION

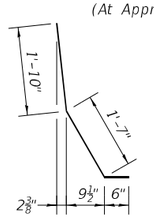
(At Approach Bent)

NOTES

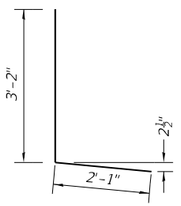
1. Hatched areas indicate Concrete Removal.
2. Removal of existing expansion joint shall be included in the cost of concrete removal.
3. The contractor shall use extreme care during concrete removal so as not to damage the wide flange beams.
4. In parapet removal areas, existing reinforcing shall remain and be re-incorporated into the new parapets.
5. Cut reinforcing bars in field to fit as required.

LEGEND

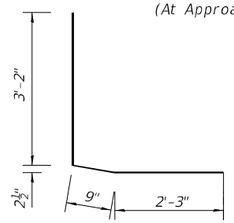
- Concrete Removal
- Bridge Deck Scarification, ¾"
- Concrete Superstructure



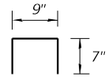
BAR d(E)



BAR d1(E)



BAR d2(E)



BAR s(E)

Hurst-Rosche, Inc. PROFESSIONAL DESIGN NUMBER 184-003992 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = ____	DESIGNED - JJC	REVISED - ____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - CJC	REVISED - ____	
	PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
	PLOT DATE = ____	CHECKED - CJC	REVISED - ____	

WEST EXPANSION JOINT REMOVAL & REPLACEMENT
STRUCTURE NO. 090-0139

SHEET 4 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	118
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0139\090139_04_west expansion joint removal & replacement.dgn

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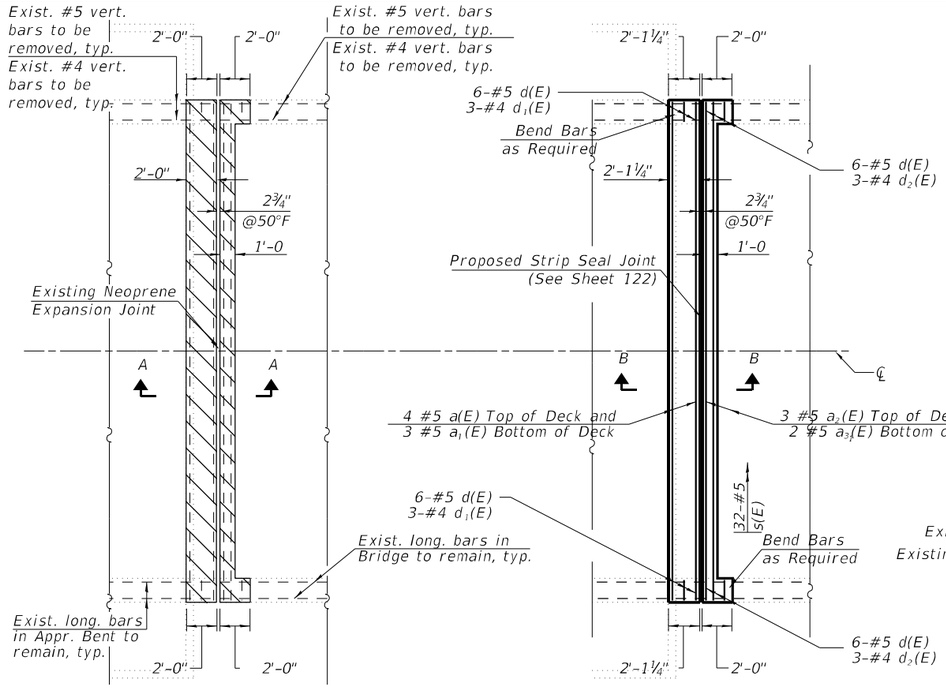
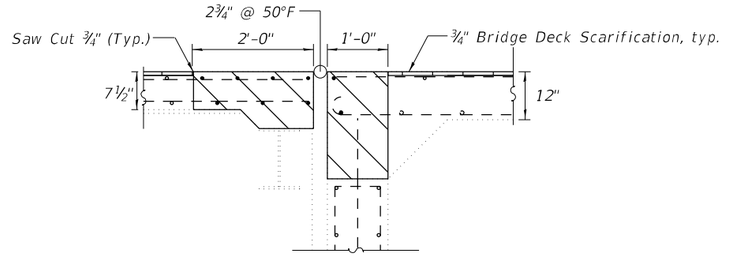


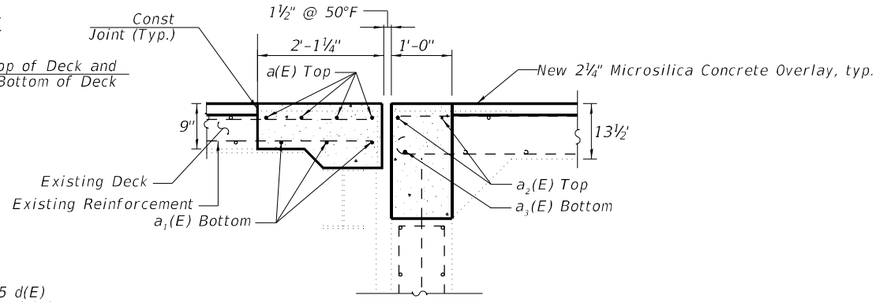
CONCRETE REMOVAL AT E. ABUT.

CONCRETE REPLACEMENT AT E. ABUT.



JOINT REMOVAL SECTION – A-A

(Dims. at Rt. ℄'s to End of Deck)

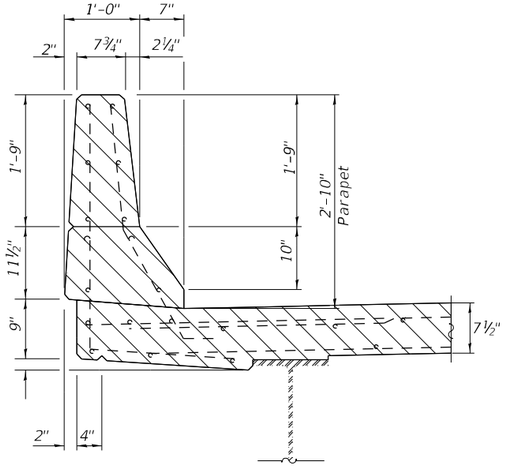


PROPOSED JOINT SECTION – B-B

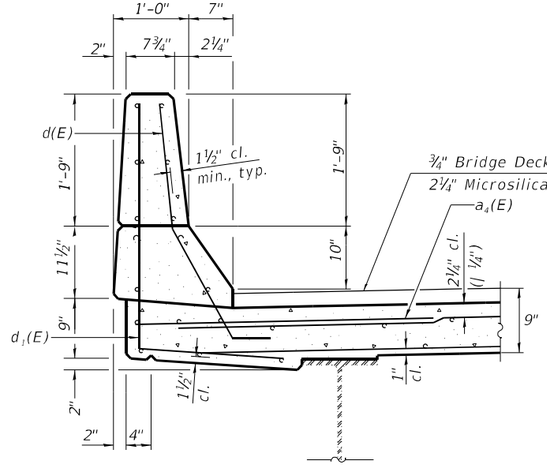
(Dims. at Rt. ℄'s to End of Deck)

SUPERSTRUCTURE BILL OF MATERIAL

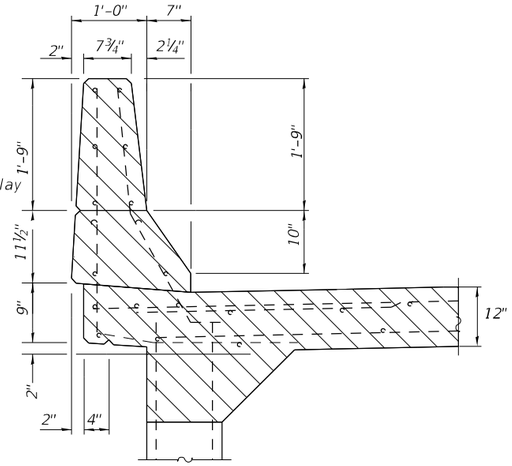
Bar	No.	Size	Length	Shape
a(E)	4	#5	32'-11"	
a1(E)	3	#5	32'-11"	
a2(E)	2	#5	32'-11"	
a3(E)	1	#5	32'-11"	
a4(E)	12	#6	4'-0"	
d(E)	12	#5	3'-11"	
d1(E)	6	#4	5'-3"	
d2(E)	6	#4	6'-2"	
Reinforcement Bars, Epoxy Coated			Lbs.	530
Concrete Superstructure			Cu. Yds.	5.0
Concrete Removal			Cu. Yds.	4.4



PARAPET REMOVAL CROSS SECTION

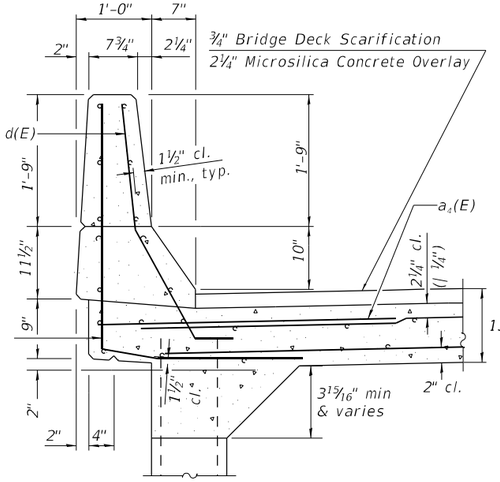


PARAPET REPLACEMENT CROSS SECTION



PARAPET REMOVAL CROSS SECTION

(At Approach Bent)



PARAPET REPLACEMENT CROSS SECTION

(At Approach Bent)

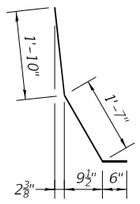
NOTES

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 not to damage the wide flange beams.
4. Cut reinforcing bars in field to fit as required.

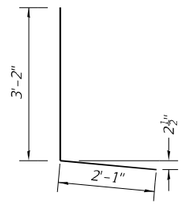
LEGEND

Concrete Removal

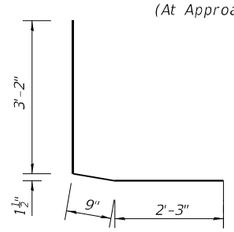
Bridge Deck Scarification, ¾"



BAR d(E)



BAR d1(E)



BAR d2(E)

Hurst-Rosche, Inc. PROFESSIONAL DESIGN FIRM NO. 184-001259 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 192-1063	USER NAME = ____	DESIGNED - JJC	REVISED - ____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - CJC	REVISED - ____	
	PLOT SCALE = ____	DRAWN - AE	REVISED - ____	
	PLOT DATE = ____	CHECKED - CJC	REVISED - ____	

EAST EXPANSION JOINT REMOVAL & REPLACEMENT
STRUCTURE NO. 090-0139
SHEET 5 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	119
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0139\090900139_05_east expansion joint removal & replacement.dgn

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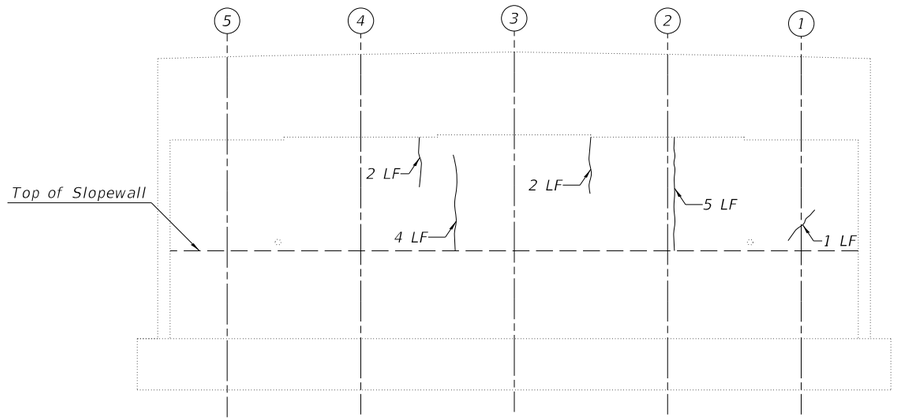
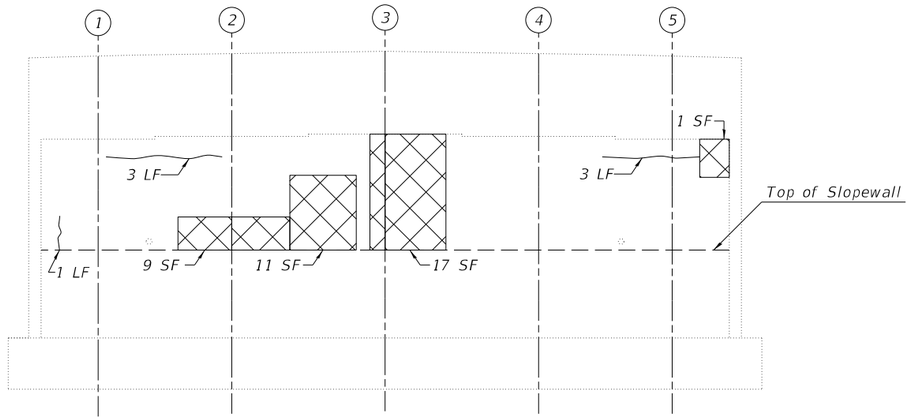
Notes:
1. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.
2. SF = Square Feet



West Abutment
(Looking West)



East Abutment
(Looking East)

LEGEND

H	Hairline Crack
~	Epoxy Crack Injection
▨	Structural Repair of Concrete (Depth Equal To or Less than 5 inches)
SF	– Square Foot
LF	– Linear Foot

BILL OF MATERIAL

Item	Unit	Quantity
Epoxy Crack Injection	Foot	21
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft.	38

Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------	
PLOT DATE = ----------	CHECKED - JJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT REPAIR DETAILS
STRUCTURE NO. 090-0139
SHEET 6 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	120
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71090-0139\09001139_06_abutment repair details.dgn
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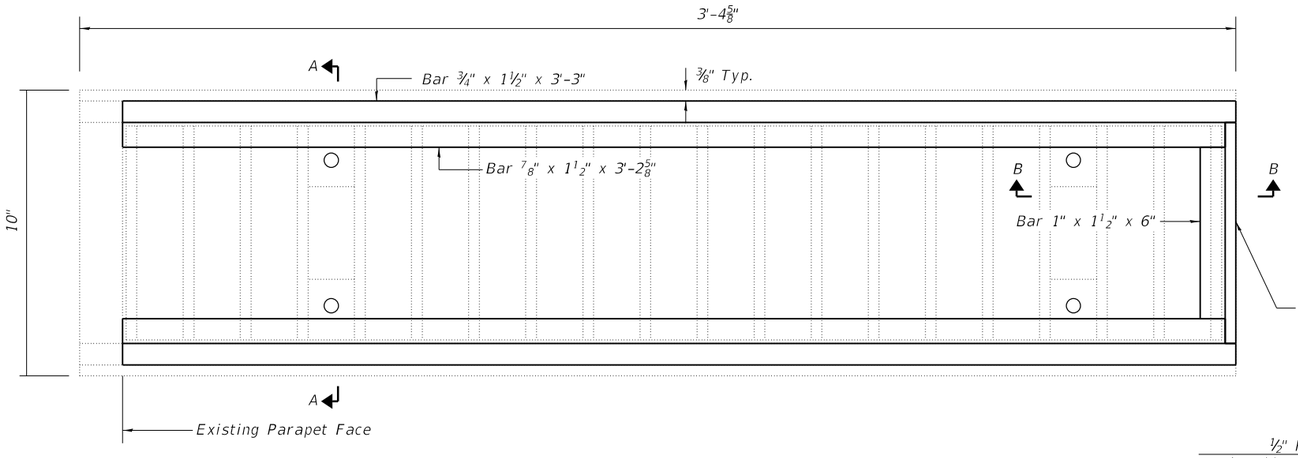
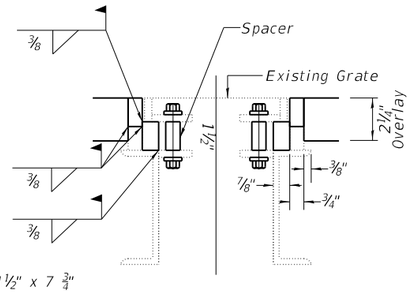
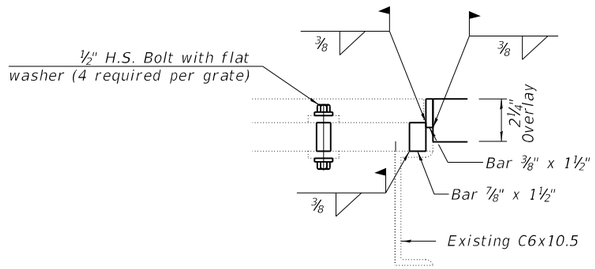


DRAINAGE SCUPPER - PLAN



SECTION A-A



SECTION B-B

Notes:
The contractor shall ensure that no damange is done to existing grates to be reused.
Shop plans for proposed adjusting inlet ring shall be submitted for approval prior to fabrication.
Cost of all labor and materials necessary to remove exisitng grates, clean existing scuppers, install adjusting inlet rings and reinstalling grates is included in the cost per unit for drainage scuppers to be Adjusted.
All structural steel shall conform to AASHTO Classification M-270 Gr. 36. The adjusting inlet ring shall be galvanized.
Bolts shall be 1/2" ϕ, AASHTO M164 Type 1, mechanically galvanized.
Existing Approach Draing dimensions per IDOT standard 609006.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drainage Scuppers to be Adjusted	Each	2

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71090-0139\0900139_07_scupper adjustment details.dgn

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184.005338
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------	DESIGNED - JJC	REVISED - ----------	
	CHECKED - CJC	REVISED - ----------	
PLOT SCALE = ----------	DRAWN - AE	REVISED - ----------	
PLOT DATE = ----------	CHECKED - CJC	REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCUPPER ADJUSTMENT DETAILS
STRUCTURE NO. 090-0139
SHEET 7 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	121
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

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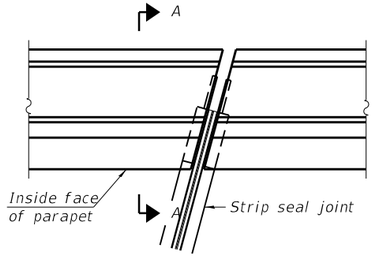
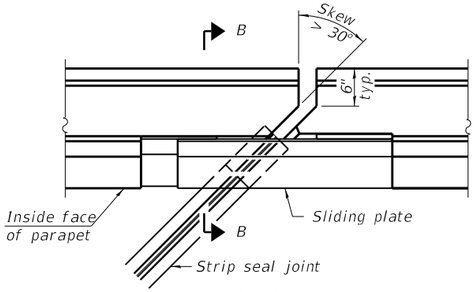
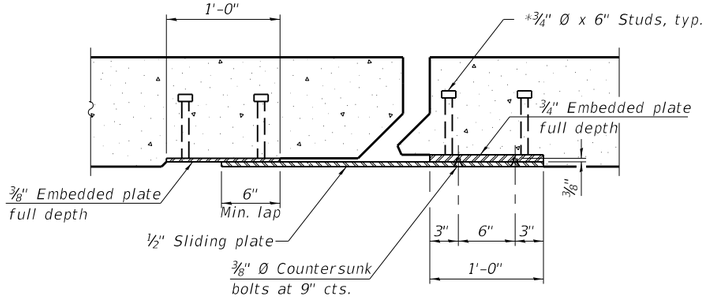


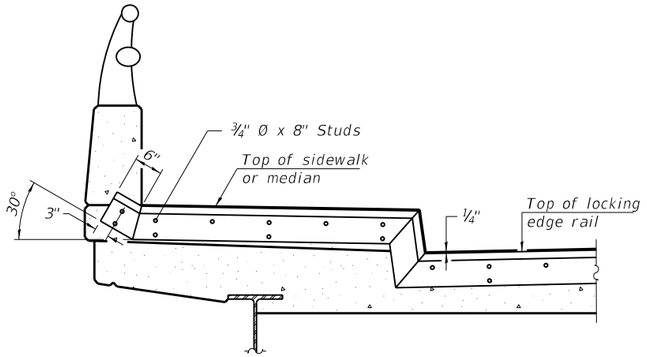
PLAN
(For skews_< 30°)



PLAN
(For skews > 30°)
Showing point block

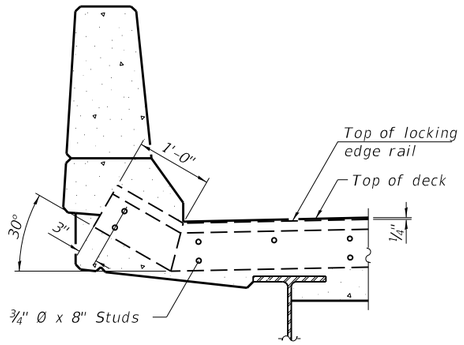


SECTION C-C

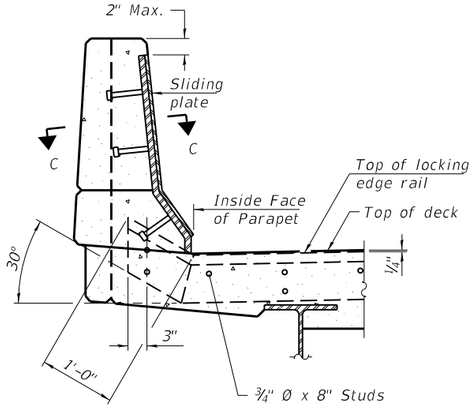


TYPICAL END TREATMENT
AT SIDEWALK OR MEDIAN

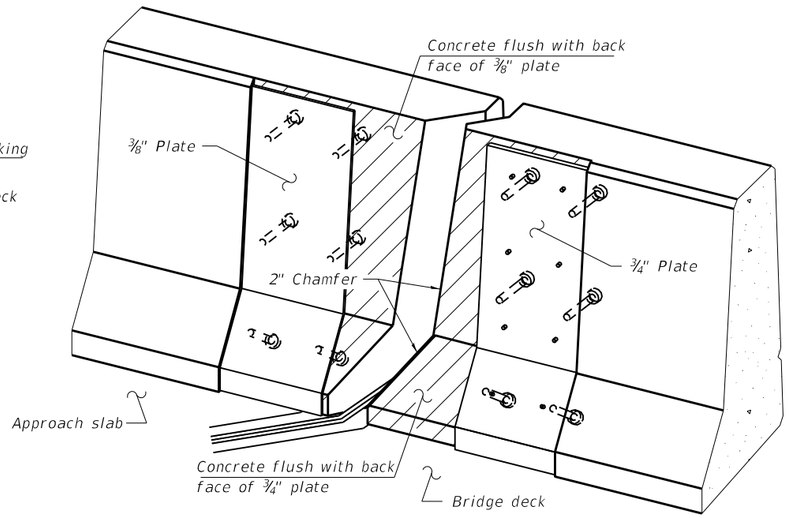
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A



SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". 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 conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

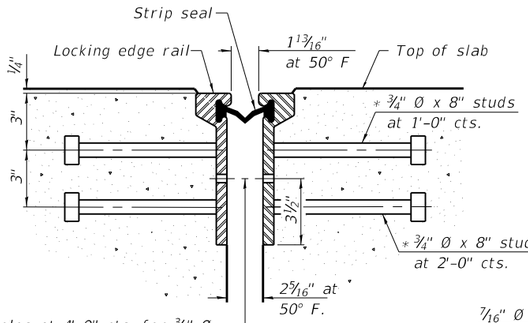
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

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

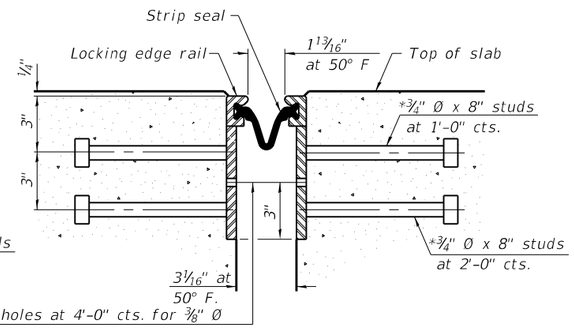
Maximum space between rail segments shall be 3⁄16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.



7⁄16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

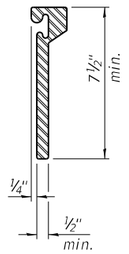
SECTION THRU
ROLLED RAIL JOINT



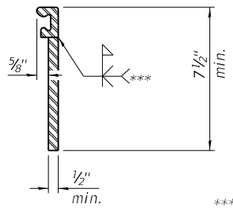
7⁄16" Ø holes at 4'-0" cts. for ⅜" Ø bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
WELDED RAIL JOINT

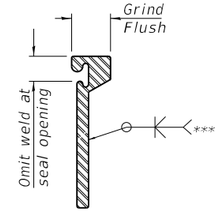
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED
EXTRUDED RAIL



WELDED RAIL



*** 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.

LOCKING EDGE RAILS

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	67

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER 184-006298
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME = ----------		DESIGNED - JJC		REVISED - ----------	
		CHECKED - CJC		REVISED - ----------	
PLOT SCALE = ----------		DRAWN - AE		REVISED - ----------	
PLOT DATE = ----------		CHECKED - CJC		REVISED - ----------	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 090-0139
SHEET 8 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	122
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
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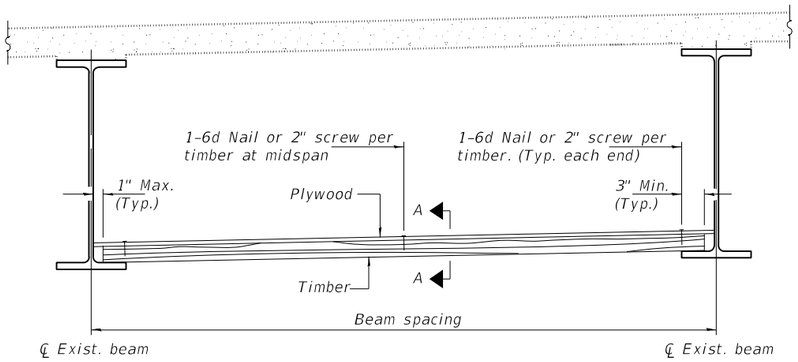
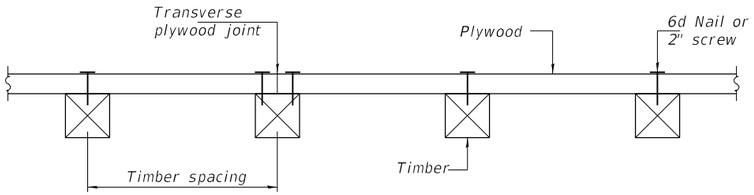


STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

Notes: See special provision for Permanent Protective Shield System.

Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.

The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions. All timber shall be treated.

Plywood shall be ⅝" rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	472

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN FIRM 184001208
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-1063

USER NAME =	DESIGNED JJC	REVISED -
	CHECKED CJC	REVISED -
PLOT SCALE =	DRAWN AE	REVISED -
PLOT DATE =	CHECKED CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT PROTECTIVE SHIELDING
STRUCTURE NO. 090-0139
SHEET 9 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
155	D4 BRIDGE JOINT REPAIR	TAZEWELL	123	123
		CONTRACT NO. 68H71		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: X:\Projects\Current\192-1063 IDOT D4 WO2 PTB206-30 Various Bridges Preservation\DGN\68H71\090-0139\090139_09_Permanent Protective Shield.dgn
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