

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	1
		ILLINOIS	CONTRACT NO. 78B34	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

PROPOSED HIGHWAY PLANS

FAI ROUTE 64 (I-64)
SECTION D9 BRIDGE OVERLAY 2026-1
PROJECT NHPP-GY4A(625)
BRIDGE REPAIRS
JEFFERSON COUNTY

C-99-077-25

OMISSION STA 2972+60.00 TO 3198+52.00

SN 041-0070 (EB)

SN 041-0071 (WB)

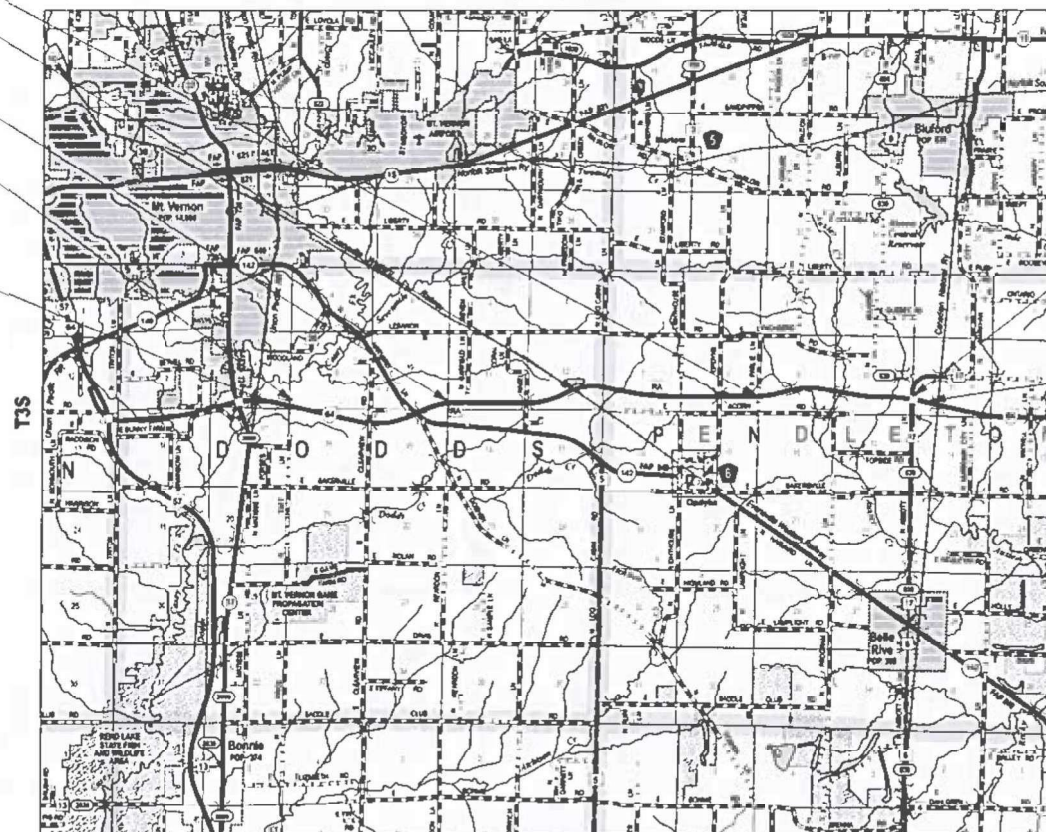
OMISSION STA 2769+50.00 TO 2962+90.00

SN 041-0087 (WB)

SN 041-0088 (EB)

BEGIN IMPROVEMENT
STA 2760+50.00

R3E, R4E, 3RD PM



LOCATION MAP

GROSS LENGTH = 44,850.00 FT. = 8.494 MILE
NET LENGTH = 2,918.00 FT. = 0.553 MILE

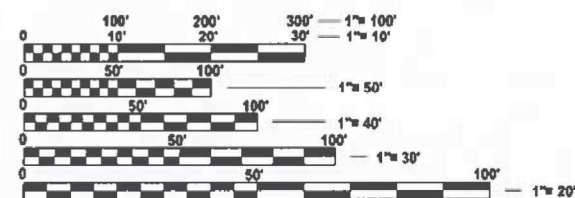


SN 041-0081 (EB)
SN 041-0082 (WB)

END IMPROVEMENT
STA 3209+00.00

FUNCTIONAL CLASSIFICATION
INTERSTATE

2024 ADT = 11,000
P.V. = 56.1% S.U. = 3.9% M.U. = 40.0%



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

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

PROJECT ENGINEER: EHREN KIRBY, PE
PROJECT MANAGER: BRANDY MAES, PE

CONTRACT NO. 78B34

design firm
no. 184001035



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Nov 24 2025
Rosa S. Roman
REGIONAL ENGINEER

January 23 2026
Scott E. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

January 23 2026
James J. Jones
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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MODEL: CEN-2 (Sheet)
FILE NAME: C:\SPR\WORKS & CO\WORKS\SPR\Projects\DOT D-9\10257 PTB 214\047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10-12\CADD Data\Sheets\0978B34-sh1.dgn

design firm
no. 184001036

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USER NAME	= ljones	DESIGNED	-	LNJ	REVISED	-
		DRAWN	-	KNF	REVISED	-
PLOT SCALE	= 0.16666633 / in.	CHECKED	-	RKA	REVISED	-
PLOT DATE	= 11/18/2025	DATE	-		REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50'
SHEET 1 OF 1 SHEETS
STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	2
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

PREPARED BY:

Susan Poe
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY:

Nancy Heil #77
DISTRICT LAND ACQUISITION ENGINEER

EXAMINED BY:

Car M
DISTRICT PROGRAM DEVELOPMENT ENGINEER

EXAMINED BY:

Z G
DISTRICT OPERATIONS ENGINEER

EXAMINED BY:

DISTRICT PROJECT IMPLEMENTATION ENGINEER

EXAMINED BY:

Burawitz
DISTRICT CONSTRUCTION ENGINEER

EXAMINED BY:

Aan Dang
DISTRICT MATERIALS ENGINEER

MODEL: GEN-1 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257_03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shl-gennote.dgn

INDEX OF SHEETS

1	COVER SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES, COMMITMENTS AND HIGHWAY STANDARDS
4-11	SUMMARY OF QUANTITIES
12-17	TYPICAL SECTIONS
18-20	SCHEDULE OF QUANTITIES
21	ROADWAY PLAN - SN 041-0087 & 041-0088
22	ROADWAY PLAN - SN 041-0070 & 041-0071
23	ROADWAY PLAN - SN 041-0081 & 041-0082
24	ROADWAY PLAN - CH 17
25-29	MAINTENANCE OF TRAFFIC - SN 041-0087 & 041-0088
30-34	MAINTENANCE OF TRAFFIC - SN 041-0070 & 041-0071
35-40	MAINTENANCE OF TRAFFIC - SN 041-0081 & 041-0082
41-42	WIDTH RESTRICTION SIGNING PLAN
43-44	PAVEMENT MARKING PLAN - SN 041-0087 & 041-0088
45-46	PAVEMENT MARKING PLAN - SN 041-0070 & 041-0071
47-48	PAVEMENT MARKING PLAN - SN 041-0081 & 041-0082
49	PAVEMENT MARKING PLAN - CH 17
50	EROSION CONTROL PLAN
51-67	STRUCTURE PLAN - SN 041-0087 & 041-0088
68-82	STRUCTURE PLAN - SN 041-0070 & 041-0071
83-98	STRUCTURE PLAN - SN 041-0081 & 041-0082
99-140	STRUCTURE PLAN - EXISTING
141	DETAIL SHEET

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-11	PAVEMENT JOINTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
483001-06	PCC SHOULDER
515001-04	NAME PLATE FOR BRIDGES
606101-05	TYPE A GUTTER (INLET, OUTLET, AND ENTRANCE)
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-03	SHOULDER RUMBLE STRIPS, 16 IN.
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
601001-05	PIPE UNDERDRAINS

COMMITMENTS

1. THERE ARE NO COMMITMENTS FOR THIS PROJECT.

GENERAL NOTES

1. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:
ALL HOT MIX ASPHALT 2.016 TONS/CU. YD.
ALL AGGREGATE 2.05 TONS/CU. YD.
2. THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.
3. AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
4. THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON THE INSIDE EDGE OF THE OUTSIDE SHOULDER AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. EXISTING PIPE UNDERDRAIN OUTLETS IN THE FORESLOPES OR MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION FOR THE SURFACE COURSE.

MIX DESIGN TABLE

LOCATION:	Hot Mix Asphalt Shoulders 1-1/2", Hot Mix Asphalt Stabilization 6" (Surface Lift), Hot Mix Asphalt Shoulders 10" (Surface lift)	Hot Mix Asphalt Shoulder 10" (Lower lifts), Hot Mix Asphalt Stabilization 6" (Lower lift)
MIXTURE USE(S):	Hot-Mix Asphalt Surface Course, Mix C, N30	Hot-Mix Asphalt Binder Course, N70
PG:	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0 %, 30 GYRATION DESIGN	4.0 %, 70 GYRATION DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5L	IL-19.0MM
FRICTION AGGREGATE:	NONE	NONE
SUBLOT SIZE	3,000 TONS	3,000 TONS
MIXTURE WEIGHTS	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN
QUALITY MANAGEMENT	QCQA	QCQA
MTD:	NO	NO

Lift Thickness:

Hot Mix Asphalt Stabilization 6"
2"- Surface Lift
4"- Binder Lift

Hot Mix Asphalt Shoulders 10"
2"- Surface Lift
4"- Binder Lift
4"- Binder Lift

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no. 184001036


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USER NAME = kfair	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS AND HIGHWAY STANDARDS
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50'	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	3
		CONTRACT NO. 78B34		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ.1 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-9110257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-sht-SQQ.dgn

				CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	BRIDGE	BRIDGE	ROADWAY
				0059	0059	0059	0005
				S.N. 041-0087/0088	S.N. 041-0070/0071	S.N. 041-0081/0082	RURAL
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	6				6
21400100	GRADING AND SHAPING DITCHES	FOOT	200				200
25000210	SEEDING, CLASS 2A	ACRE	0.5				0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30				30
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30				30
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30				30
25100115	MULCH, METHOD 2	ACRE	0.5				0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	30				30
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	66				66
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2390				2390
42000060	WELDED WIRE REINFORCEMENT	SQ YD	240				240
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	400				400
44000100	PAVEMENT REMOVAL	SQ YD	79				79
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5134				5134

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50'
SHEET 1 OF 8 SHEETS
STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	4
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: SOQ-2 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-9\10257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\0.12\CADD Data\Sheets\0978B34-sht-SOQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE
				BRIDGE	BRIDGE	BRIDGE	ROADWAY
				0059	0059	0059	0005
				S.N. 041-0087/0088	S.N. 041-0070/0071	S.N. 041-0081/0082	RURAL
44000400	GUTTER REMOVAL	FOOT	114				114
44004250	PAVED SHOULDER REMOVAL	SQ YD	1553				1553
48101200	AGGREGATE SHOULDERS, TYPE B	TON	29				29
48203100	HOT-MIX ASPHALT SHOULDERS	TON	510				510
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	549				549
50102400	CONCRETE REMOVAL	CU YD	154.8	76.1	42.9	35.8	
50104000	BRIDGE RAIL REMOVAL	FOOT	2201	857	768	576	
50157300	PROTECTIVE SHIELD	SQ YD	630		630		
50200100	STRUCTURE EXCAVATION	CU YD	243	243			
50300100	FLOOR DRAINS	EACH	92	56	16	20	
50300225	CONCRETE STRUCTURES	CU YD	75.7	67.2	8.5		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	169.1	92.8	38.1	38.2	
50300300	PROTECTIVE COAT	SQ YD	6501	2676	1946	1879	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	220.4	220.4			

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50' SHEET 2 OF 8 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	5
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: SOQ-3 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-9110257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-sht-SOQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE
				BRIDGE	BRIDGE	BRIDGE	ROADWAY
				0059	0059	0059	0005
				S.N. 041-0087/0088	S.N. 041-0070/0071	S.N. 041-0081/0082	RURAL
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	8800	4360	4440		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	115860	103460	6120	6280	
50800515	BAR SPLICERS	EACH	764	660	56	48	
50900105	ALUMINUM RAILING, TYPE L	FOOT	2206	861	768	577	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	410		220	190	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	48	24	24		
52100510	ANCHOR BOLTS, 3/4"	EACH	192	96	96		
52200010	TEMPORARY SHEET PILING	SQ FT	570	570			
* 53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	44	31	9	4	
* 53016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	213	85	46	82	
* 53101010	BRIDGE DECK SCARIFICATION 2 3/4"	SQ YD	1592		1592		
* 53101011	BRIDGE DECK SCARIFICATION 3"	SQ YD	3376	1791		1585	
* 53101611	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 3"	SQ YD	1592		1592		
* 53101612	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 3 1/4"	SQ YD	3376	1791		1585	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50' SHEET 3 OF 8 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	6
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: SQQ-4 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-910257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-sht-SQQ.dgn

				CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	BRIDGE	BRIDGE	ROADWAY
				0059	0059	0059	0005
				S.N. 041-0087/0088	S.N. 041-0070/0071	S.N. 041-0081/0082	RURAL
* 53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	36	2		34	
* 53212755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	11		11		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	250	250			
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	204	204			
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	0.1			0.1	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	8				8
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	227	227			
60602500	CONCRETE GUTTER, TYPE A	FOOT	280				280
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4				4
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	5609				5609
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	13				13
67100100	MOBILIZATION	L SUM	1				1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	6				6
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1				1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1				1

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STATE OF ILLINOIS
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SUMMARY OF QUANTITIES
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50'

SHEET 4 OF 8 SHEETS

STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	7
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: SOQ-5 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-9110257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\D978B34-sht-SOQ.dgn

				CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE
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				S.N. 041-0087/0088	S.N. 041-0070/0071	S.N. 041-0081/0082	RURAL
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	33				33
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84				84
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1410				1410
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	476				476
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	30874				30874
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	654				654
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3302				3302
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	36				36
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3139				3139
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6				6
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6				6
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1266				1266
* 78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 6"	FOOT	30874				30874
* 78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	FOOT	654				654

* SPECIALTY ITEM

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I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50'

SHEET 5 OF 8 SHEETS

STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	8
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: SOQ-6 [Sheet]
FILE NAME: C:\SP\WHK

				CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	BRIDGE	BRIDGE	ROADWAY
				0059	0059	0059	0005
				S.N. 041-0087/0088	S.N. 041-0070/0071	S.N. 041-0081/0082	RURAL
78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	30874				30874
78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	654				654
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	387				387
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4				4
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	329				329
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	31752				31752
X2503100	MOWING	UNIT	150				150
X4062952	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	36				36
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3510	1458	992	1060	
X5051206	STRUCTURAL STEEL REPAIR	POUND	44020			44020	
X5080530	BAR TERMINATORS	EACH	636	636			
X5110312	SLOPE WALL SLURRY PUMPING	CU YD	57.1	5.9	50.6	0.6	
X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	154				154
X6320100	GUARDRAIL REMOVAL (SPECIAL)	FOOT	148				148

* SPECIALTY ITEM

REV - MS

design firm no. 184001036 whks engineers + planners + land surveyors	USER NAME = kfair	DESIGNED - LNJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES I-64 (FAI 64) DUAL BRIDGE REPAIRS					FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - LNJ	REVISED -		64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	9					
	PLOT SCALE = 0.16666633 "/ in.	CHECKED - RKA	REVISED -		CONTRACT NO. 78B34									
	PLOT DATE = 12/3/2025	DATE -	REVISED -											
	SCALE: 1"=50'					SHEET 6	OF 8 SHEETS	STA.	TO STA.					

MODEL: SOQ-7 [Sheet]
FILE NAME: C:\SPW\HKS & CO\Jobs-Spring - Projects\IDOT'D-91\0257 PTB 214-447 On-Call\10257.03 164 Bridge Repairs\CADD\10.12\CADD Data Sheets\ID978B34-sht-SOQ.dgn

[illegible]

REV - MS

design firm no. 134001036  engineers + planners + land surveyors	USER NAME = kfair	DESIGNED - LNJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - LNJ	REVISED -		I-64 (FAI 64) DUAL BRIDGE REPAIRS				64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	10
	PLOT SCALE = 0.166666633' / in.	CHECKED - RKA	REVISED -						CONTRACT NO. 78B34				
	PLOT DATE = 12/3/2025	DATE -	REVISED -		SCALE: 1"=50'	SHEET 7	OF 8 SHEETS	STA. TO STA.					

MODEL: SQ0-8 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-sh-SQ0.dgn

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design firm
no. 134001036

whks

engineers + planners + land surveyors

USER NAME	= kfair	DESIGNED	-	LNJ	REVISED	-
		DRAWN	-	LNJ	REVISED	-
PLOT SCALE	= 0.16666633''/in.	CHECKED	-	RKA	REVISED	-
PLOT DATE	= 12/3/2025	DATE	-		REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
I-64 (FAI 64) DUAL BRIDGE REPAIRS			
SCALE: 1"=50'	SHEET 8	OF 8 SHEETS	STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	11
CONTRACT NO. 78B34				
		ILLINOIS	FED. AID PROJECT	

MODEL: TYP-1 [Sheet]
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EXISTING LEGEND

- 1 EXISTING PCC PAVEMENT, 8"
- 2 EXISTING HMA SURFACE AND BINDER, 7" (2017)
- 3 EXISTING HMA SHOULDERS, 15" (2017)
- 4 EXISTING STABILIZED SUB-BASE (4")
- 5 EXISTING HMA SURFACE AND BINDER, 4¾" (2022)
- 6 EXISTING STABILIZED SHOULDER
EXISTING HMA SHOULDER 4¾" (2022)
- 7 EXISTING HOT-MIX ASPHALT STABILIZATION, 6"
AT STEEL PLATE BEAM GUARDRAIL
- 8 EXISTING AGGREGATE WEDGE SHOULDERS, TY B
- 9 EXISTING GUARDRAIL

EXISTING TYPICAL SECTION

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0087 & 041-0088
EB: STA 2760+50.00 TO 2763+22.73
STA 2766+42.13 TO 2769+50.00
OMISSION STA 2769+50.00 TO 2962+90.00
WB: STA 2762+10.00 TO 2763+57.87
STA 2766+77.79 TO 2769+50.00
OMISSION STA 2769+50.00 TO 2964+75.00

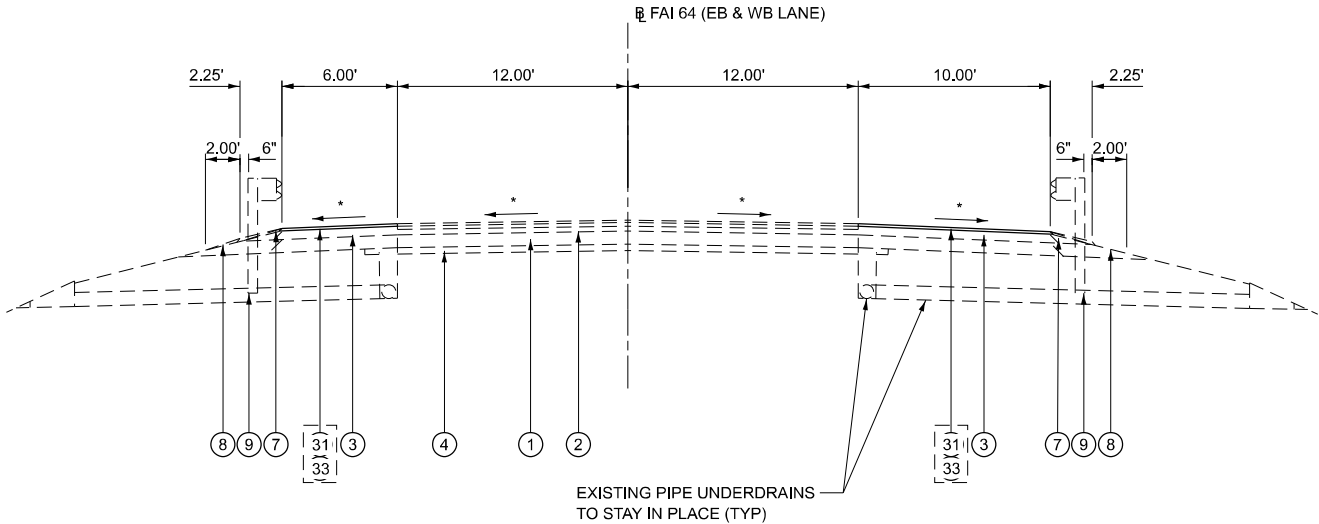
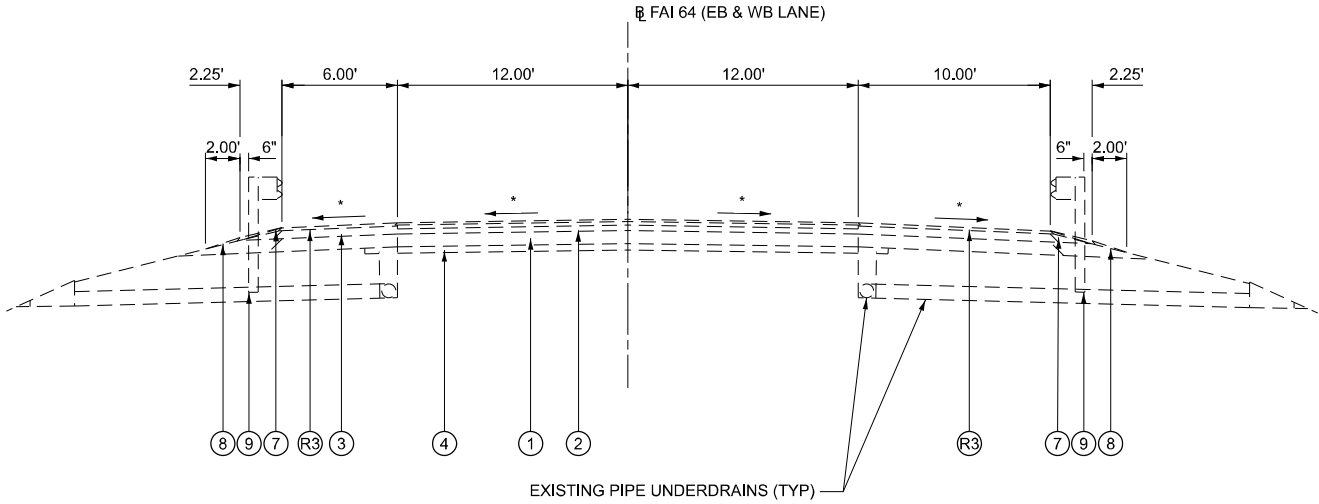
REMOVAL LEGEND

- R3 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

PROPOSED LEGEND

- 31 HOT-MIX ASPHALT SHOULDERS (1½")
- 33 SHOULDER RUMBLE STRIPS, 16 INCH

* MATCH EXISTING



PROPOSED TYPICAL SECTION

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0087 & 041-0088
EB: STA 2760+50.00 TO 2763+22.73
STA 2766+42.13 TO 2768+00.00
OMISSION STA 2769+50.00 TO 2962+90.00
WB: STA 2762+10.00 TO 2763+57.87
STA 2766+77.79 TO 2769+50.00
OMISSION STA 2769+50.00 TO 2964+75.00

USER NAME = kfair	DESIGNED - LNJ	REVISED -
DRAWN - KNF	REVISED -	
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	12
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: TYP-6 (Sheet)
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EXISTING LEGEND

- ① EXISTING PCC PAVEMENT, 8"
② EXISTING HMA SURFACE AND BINDER, 7" (2017)
③ EXISTING HMA SHOULDERS, 15" (2017)
④ EXISTING STABILIZED SUB-BASE (4")
⑤ EXISTING HMA SURFACE AND BINDER, 4¾" (2022)
⑥ EXISTING STABILIZED SHOULDER
EXISTING HMA SHOULDER 4¾" (2022)
⑦ EXISTING HOT-MIX ASPHALT STABILIZATION, 6"
AT STEEL PLATE BEAM GUARDRAIL
⑧ EXISTING AGGREGATE WEDGE SHOULDERS, TY B
⑨ EXISTING GUARDRAIL

ONLY REMOVE EXISTING TYPE 6
GUARDRAIL TERMINAL AND HMA
STABILIZATION UNDER THE
GUARDRAIL WITHIN THE LIMITS
OF GUARDRAIL REMOVAL

PAVEMENT REMOVAL LIMITS:
EB: STA 2763+22.73 TO 2763+30.30
STA 2766+35.48 TO 2766+42.13
WB: STA 2763+57.87 TO 2764+64.52
STA 2766+69.70 TO 2766+77.79
SEE STRUCTURE PLANS FOR
APPROACH SLAB REMOVAL

EXISTING TYPICAL SECTION

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)

SN 041-0087 & 041-0088
EB: STA 2763+22.73 TO 2763+74.67
BRIDGE
STA 2765+91.11 TO 2766+42.13
WB: STA 2763+57.87 TO 2764+08.89
BRIDGE
STA 2766+25.33 TO 2766+77.79

REMOVAL LEGEND

- PAVEMENT REMOVAL
GUARDRAIL REMOVAL (SPECIAL)
PAVED SHOULDER REMOVAL

PROPOSED LEGEND

- ③① PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
③② AGGREGATE SHOULDERS, TYPE B
③④ TRAFFIC BARRIER TERMINAL, TYPE 6
③⑤ HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARDRAIL

ONLY WITHIN THE LIMITS OF THE
TRAFFIC BARRIER TERMINAL, TYPE 6.
NOTE: GUARDRAIL POSTS TO BE
SPACED TO MISS UNDERDRAINS

EXISTING PIPE UNDERDRAINS
TO STAY IN PLACE (TYP)

ONLY WITHIN THE LIMITS OF THE
TRAFFIC BARRIER TERMINAL, TYPE 6.
NOTE: GUARDRAIL POSTS TO BE
SPACED TO MISS UNDERDRAINS

PROPOSED TYPICAL SECTION

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)

SN 041-0087 & 041-0088
EB: STA 2763+22.73 TO 2763+45.74
BRIDGE
STA 2766+20.58 TO 2766+42.13
WB: STA 2763+57.87 TO 2763+79.42
BRIDGE
STA 2766+54.78 TO 2766+77.79

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=5'

SHEET 2

OF 6

SHEETS

STA.

TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	13
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

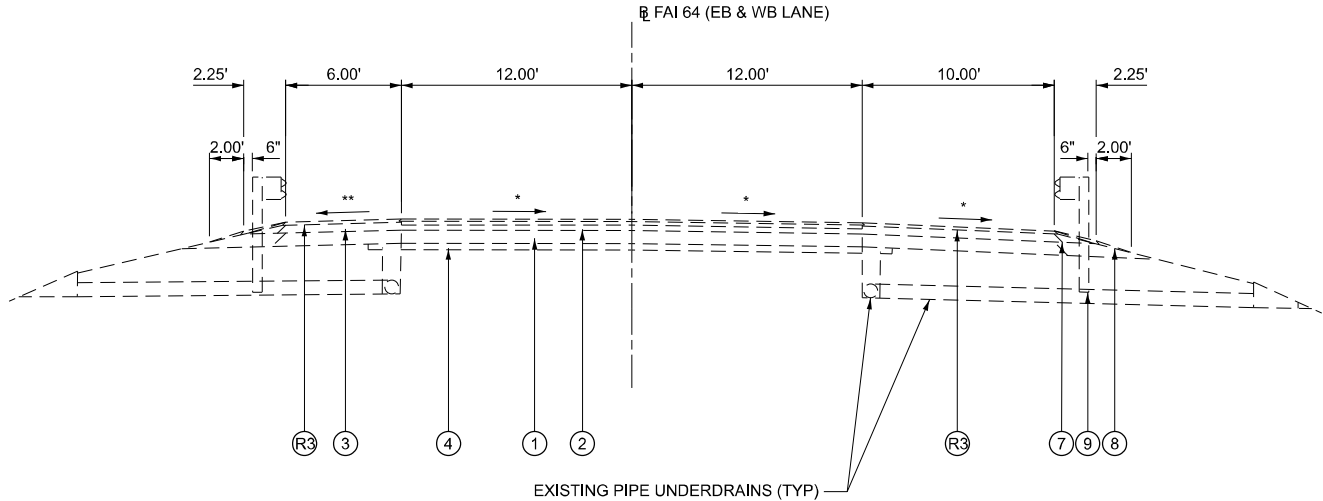
design firm
no. 184001036

whks

engineers + planners + land surveyors

USER NAME = kfair	DESIGNED - LNJ	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

MODEL: TYP-2 (Sheet)
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shh-typical-5scale.dgn



EXISTING TYPICAL SECTION

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)

SN 041-0070 & 041-0071
EB: STA 2962+90.00 TO 2967+19.02
BRIDGE
STA 2969+18.47 TO 2970+75.00
OMISSION STA 2970+75.00 TO 3199+10.00
WB: STA 2964+75.00 TO 2966+55.77
BRIDGE
STA 2968+47.96 TO 2972+60.00
OMISSION STA 2972+60.00 TO 3198+70.00

EXISTING LEGEND

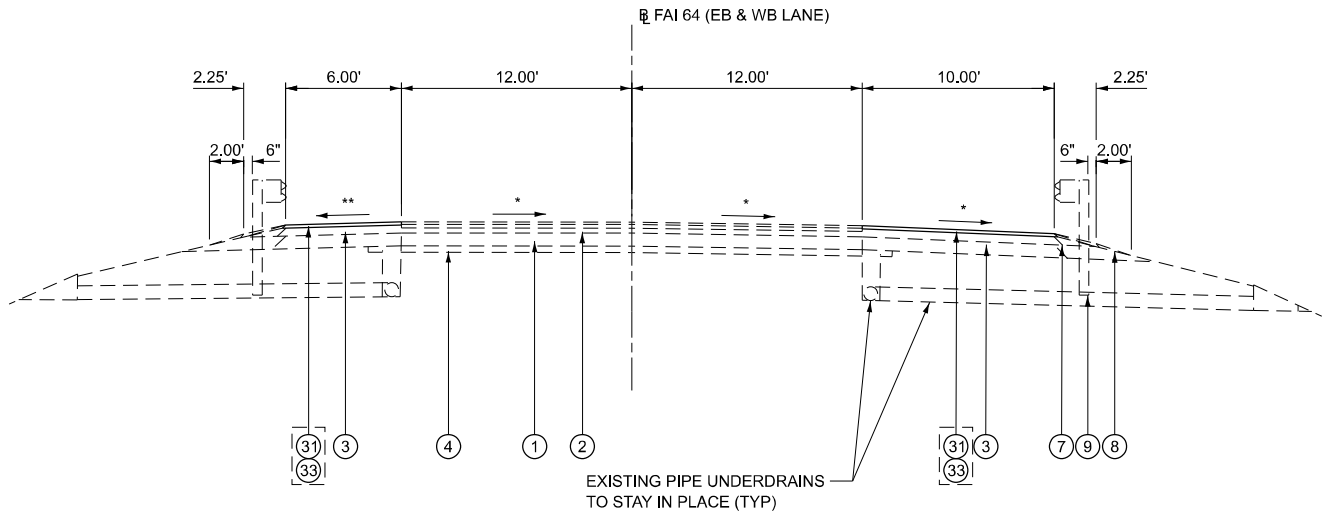
- ① EXISTING PCC PAVEMENT, 8"
- ② EXISTING HMA SURFACE AND BINDER, 7" (2017)
- ③ EXISTING HMA SHOULDERS, 15" (2017)
- ④ EXISTING STABILIZED SUB-BASE (4")
- ⑤ EXISTING HMA SURFACE AND BINDER, 4¾" (2022)
- ⑥ EXISTING STABILIZED SHOULDER
EXISTING HMA SHOULDER 4¾" (2022)
- ⑦ EXISTING HOT-MIX ASPHALT STABILIZATION, 6"
AT STEEL PLATE BEAM GUARDRAIL
- ⑧ EXISTING AGGREGATE WEDGE SHOULDERS, TY B
- ⑨ EXISTING GUARDRAIL

REMOVAL LEGEND

- Ⓡ③ HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

PROPOSED LEGEND

- ③① HOT-MIX ASPHALT SHOULDERS (1½")
- ③③ SHOULDER RUMBLE STRIPS, 16 INCH



PROPOSED TYPICAL SECTION

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)

SN 041-0070 & 041-0071
EB: STA 2962+90.00 TO 2967+19.02
BRIDGE
STA 2969+18.47 TO 2970+75.00
OMISSION STA 2970+75.00 TO 3199+10.00
WB: STA 2964+75.00 TO 2966+55.77
BRIDGE
STA 2968+47.96 TO 2972+60.00
OMISSION STA 2972+60.00 TO 3198+70.00

design firm
no. 184001036

whks

engineers + planners + land surveyors

USER NAME = kfair

DESIGNED - LNJ

REVISED -

DRAWN - KNF

REVISED -

PLOT SCALE = 0.16666633" / in.

CHECKED - RKA

REVISED -

PLOT DATE = 12/3/2025

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=5'

SHEET 3

OF 6

SHEETS

STA.

TO STA.

FAI

RTE.

SECTION

COUNTY

TOTAL

SHEET

NO.

64

D9 BRIDGE OVERLAY 2026-1

JEFFERSON

141

14

CONTRACT NO. 78B34

ILLINOIS FED. AID PROJECT

MODEL: TYP-3 (Sheet)
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EXISTING LEGEND

- 1 EXISTING PCC PAVEMENT, 8"
- 2 EXISTING HMA SURFACE AND BINDER, 7" (2017)
- 3 EXISTING HMA SHOULDERS, 15" (2017)
- 4 EXISTING STABILIZED SUB-BASE (4")
- 5 EXISTING HMA SURFACE AND BINDER, 4¾" (2022)
- 6 EXISTING STABILIZED SHOULDER
EXISTING HMA SHOULDER 4¾" (2022)
- 7 EXISTING HOT-MIX ASPHALT STABILIZATION, 6"
AT STEEL PLATE BEAM GUARDRAIL
- 8 EXISTING AGGREGATE WEDGE SHOULDERS, TY B
- 9 EXISTING GUARDRAIL

EXISTING TYPICAL SECTION

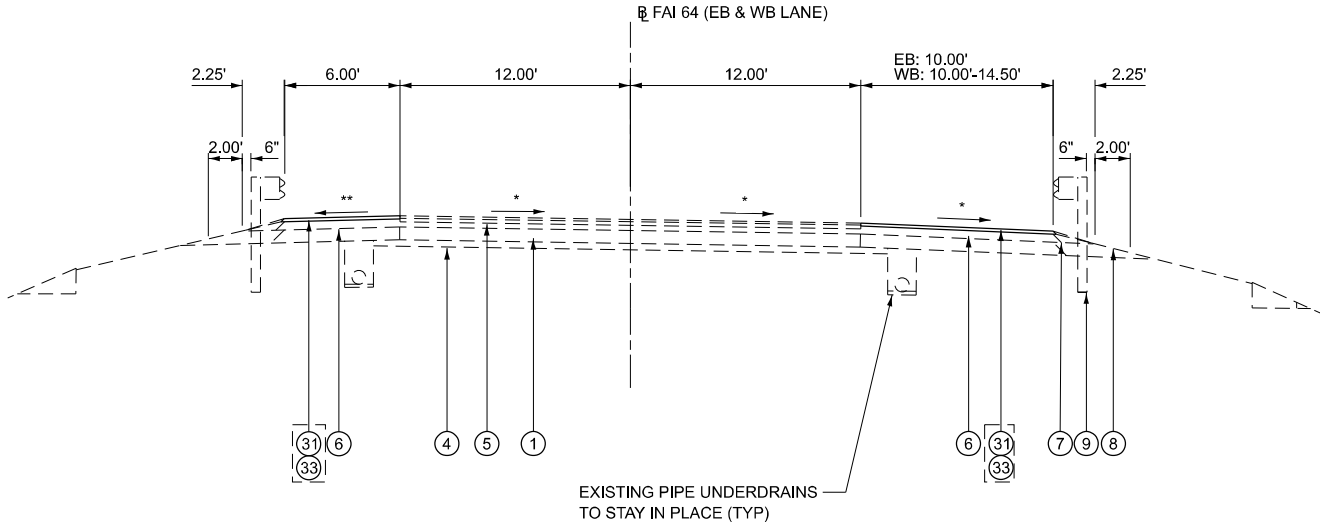
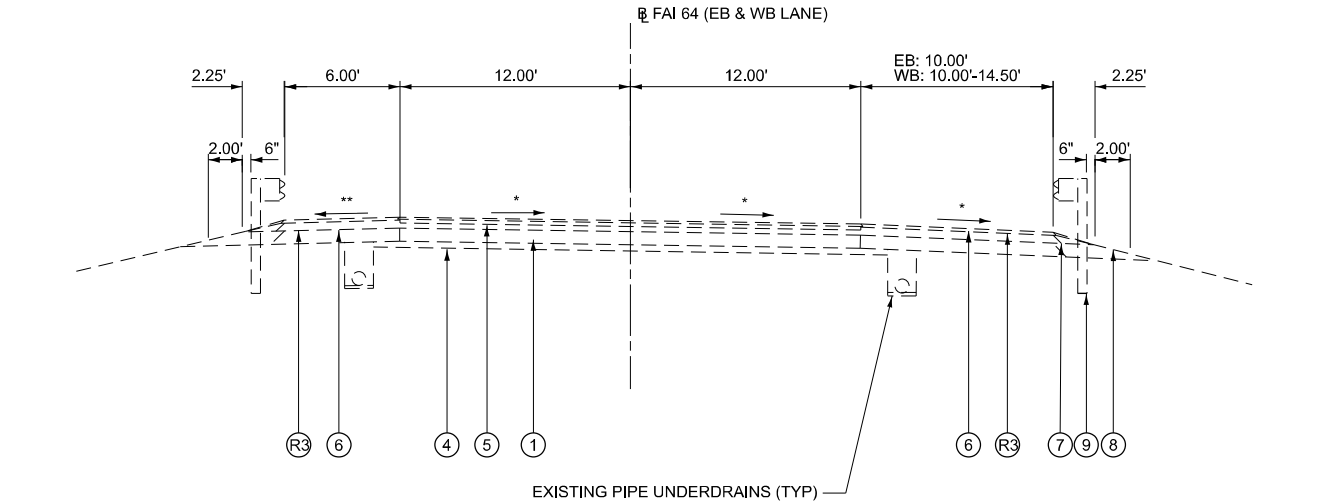
(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0081 & 041-0082
EB: STA 3199+10.00 TO 3202+82.19
BRIDGE
STA 3204+48.06 TO 3209+00.00
WB: STA 3198+70.00 TO 3202+68.78
BRIDGE
STA 3204+33.27 TO 3206+10.00

REMOVAL LEGEND

- R3 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

PROPOSED LEGEND

- 31 HOT-MIX ASPHALT SHOULDERS (1½")
- 33 SHOULDER RUMBLE STRIPS, 16 INCH



PROPOSED TYPICAL SECTION

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0081 & 041-0082
EB: STA 3199+10.00 TO 3202+82.19
BRIDGE
STA 3204+48.06 TO 3209+00.00
WB: STA 3198+70.00 TO 3202+68.78
BRIDGE
STA 3204+33.27 TO 3206+10.00

USER NAME = kfair	DESIGNED - LNJ	REVISED -
DRAWN - KNF	REVISED -	
PLOT SCALE = 0.16666633"/in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	15
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

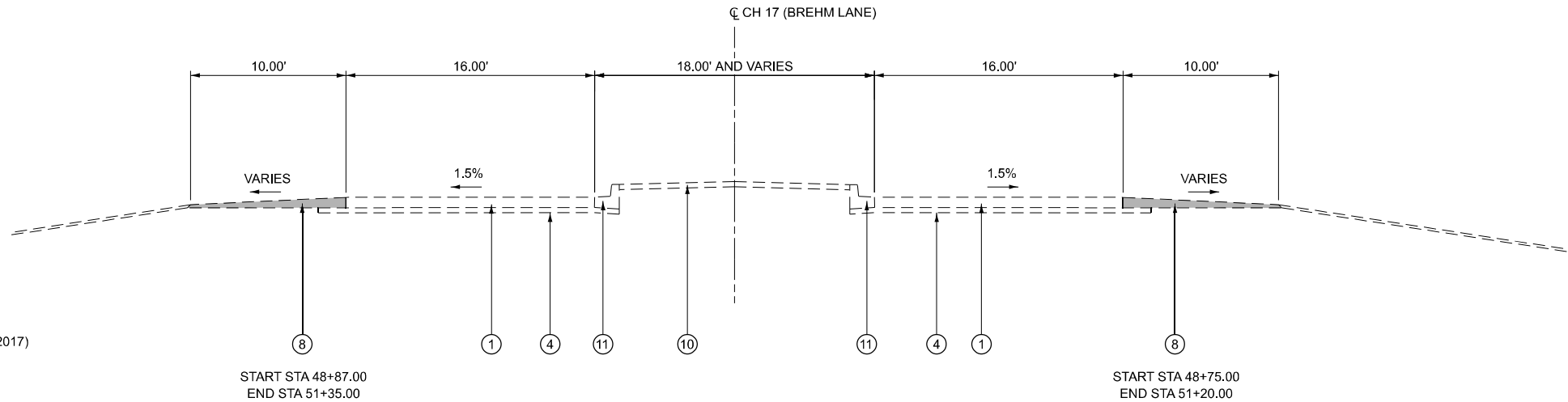
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EXISTING LEGEND

- ① EXISTING PCC PAVEMENT, 8"
② EXISTING HMA SURFACE AND BINDER, 7" (2017)
③ EXISTING HMA SHOULDERS, 15" (2017)
④ EXISTING STABILIZED SUB-BASE (4")
⑤ EXISTING HMA SURFACE AND BINDER, 4¾" (2022)
⑥ EXISTING STABILIZED SHOULDER
EXISTING HMA SHOULDER 4¾" (2022)
⑦ EXISTING HOT-MIX ASPHALT STABILIZATION, 6"
AT STEEL PLATE BEAM GUARDRAIL
⑧ EXISTING AGGREGATE WEDGE SHOULDERS, TY B
⑨ EXISTING GUARDRAIL
⑩ EXISTING PCC MEDIAN SURFACE, 4"
⑪ EXISTING CONCRETE COMBINATION CURB AND GUTTER, TY B-9.12
⑫ CONCRETE GUTTER, TYPE A (SPECIAL)

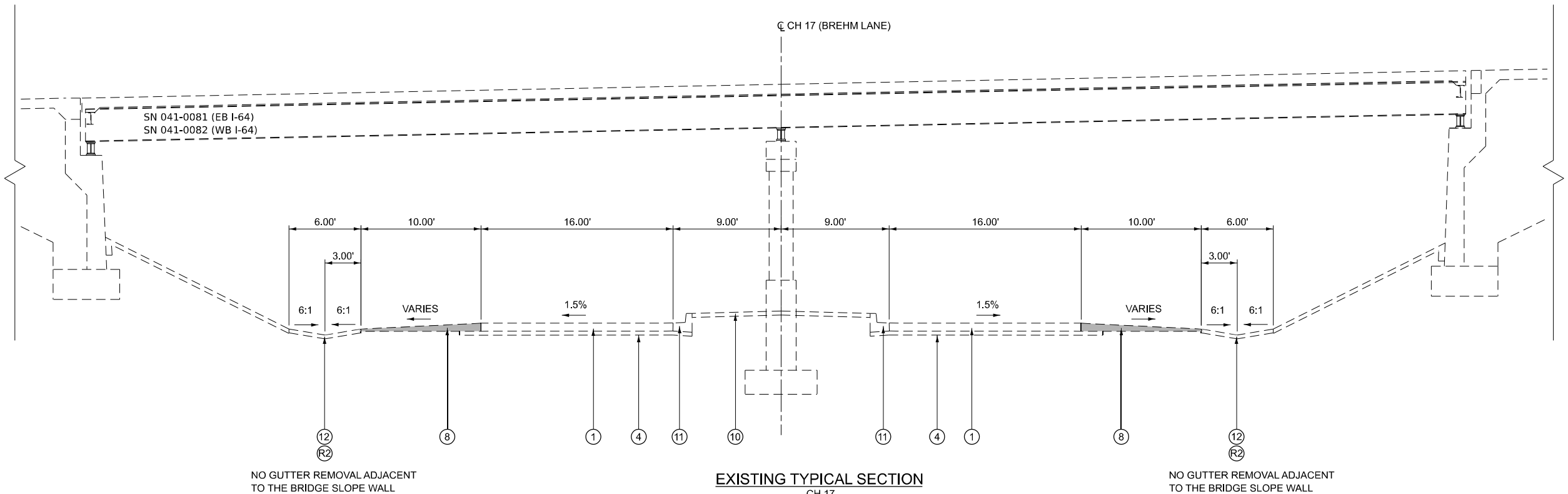
REMOVAL LEGEND

- EXCAVATING AND GRADING EXISTING SHOULDER
R2 GUTTER REMOVAL



EXISTING TYPICAL SECTION

CH 17
LT: STA 48+52.00 TO 49+32.90
STA 50+89.29 TO 51+70.00
RT: STA 48+40.00 TO 49+21.30
STA 50+73.71 TO 51+55.00



EXISTING TYPICAL SECTION

CH 17
(UNDER AND BETWEEN SN 041-0081 AND 041-0082)
LT: STA 49+32.90 TO 50+89.29
RT: STA 49+21.30 TO 50+73.71

design firm
no. 184001036



engineers + planners + land surveyors

USER NAME = kfair	DESIGNED - LNJ	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=5' SHEET 5 OF 6 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	16
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: TYP-5 (Sheet)
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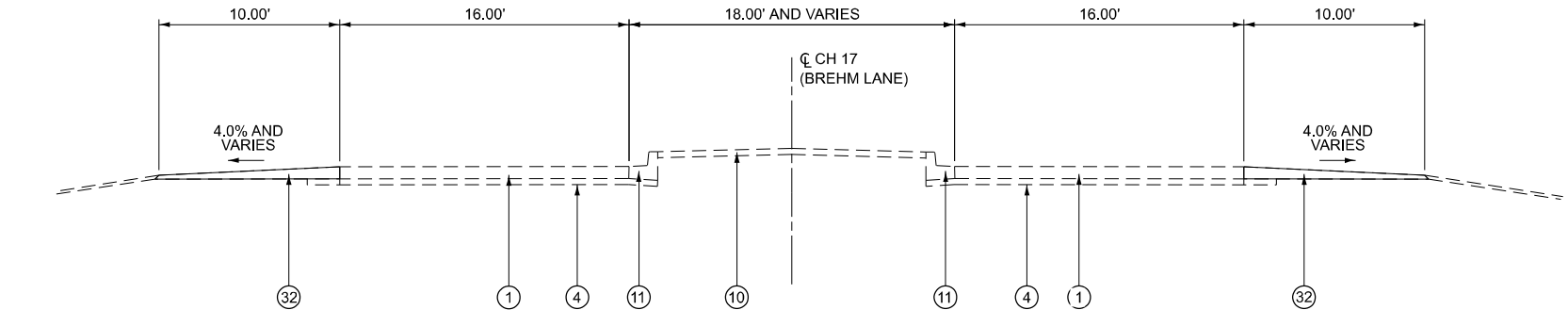
EXISTING LEGEND

- ① EXISTING PCC PAVEMENT, 8"
- ② EXISTING HMA SURFACE AND BINDER, 7" (2017)
- ③ EXISTING HMA SHOULDERS, 15" (2017)
- ④ EXISTING STABILIZED SUB-BASE (4")
- ⑤ EXISTING HMA SURFACE AND BINDER, 4¾" (2022)
- ⑥ EXISTING STABILIZED SHOULDER
EXISTING HMA SHOULDER 4¾" (2022)
- ⑦ EXISTING HOT-MIX ASPHALT STABILIZATION, 6"
AT STEEL PLATE BEAM GUARDRAIL
- ⑧ EXISTING AGGREGATE WEDGE SHOULDERS, TY B
- ⑨ EXISTING GUARDRAIL
- ⑩ EXISTING PCC MEDIAN SURFACE, 4"
- ⑪ EXISTING CONCRETE COMBINATION CURB AND GUTTER, TY B-9.12
- ⑫ CONCRETE GUTTER, TYPE A (SPECIAL)

PROPOSED TYPICAL SECTION

CH 17

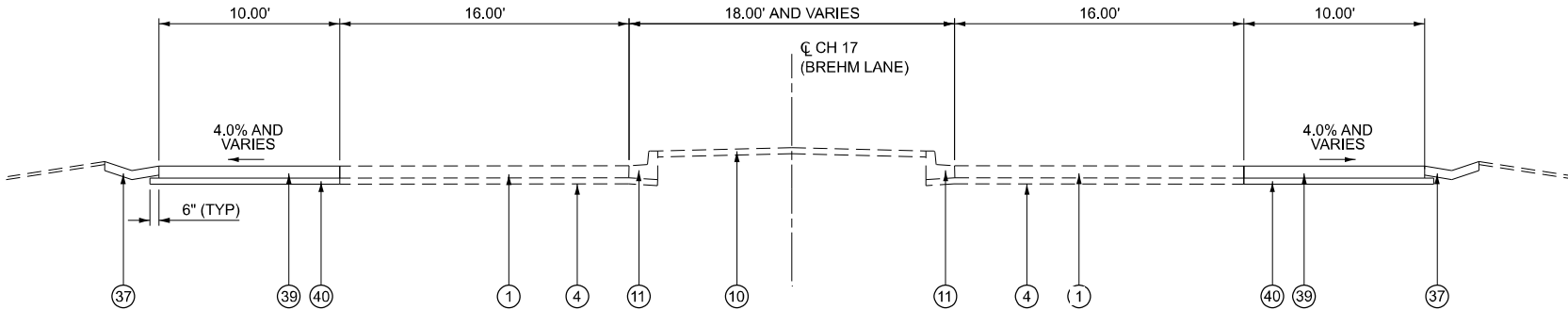
LT: STA 48+52.00 TO 48+87.00
STA 51+35.00 TO 51+70.00
RT: STA 48+40.00 TO 48+75.00
STA 51+20.00 TO 51+55.00



PROPOSED TYPICAL SECTION

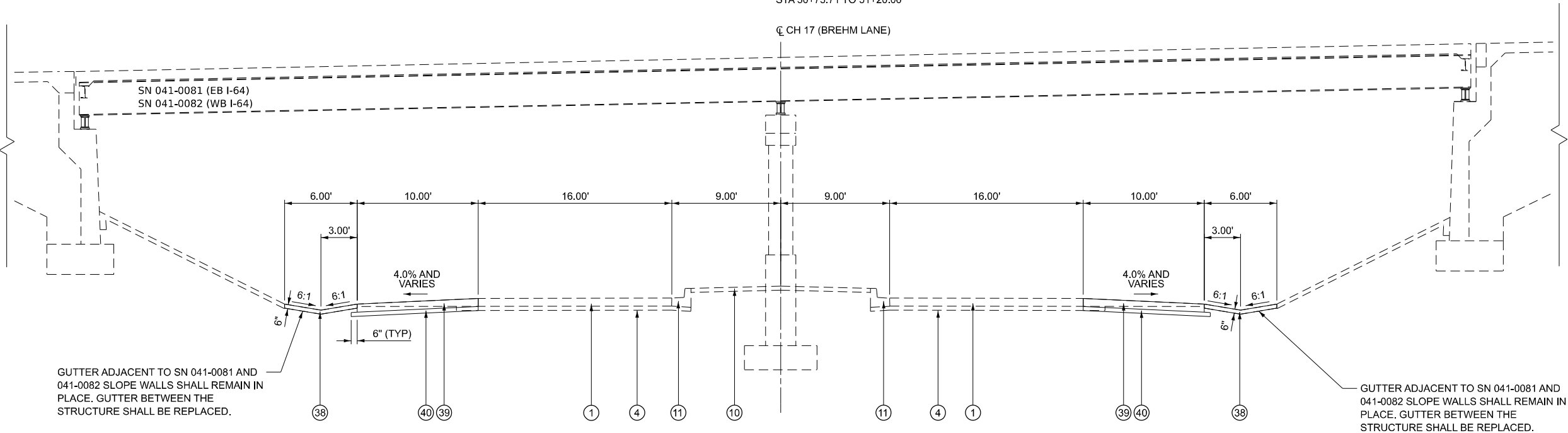
CH 17

LT: STA 48+87.00 TO 49+32.90
STA 50+89.29 TO 51+35.00
RT: STA 48+75.00 TO 49+21.30
STA 50+73.71 TO 51+20.00



PROPOSED LEGEND

- ③② AGGREGATE SHOULDERS, TYPE B
- ③⑦ CONCRETE GUTTER, TYPE A
- ③⑧ CONCRETE GUTTER, TYPE A (SPECIAL)
- ③⑨ PORTLAND CEMENT CONCRETE SHOULDERS 10"
- ④⑩ SUBBASE GRANULAR MATERIAL, TYPE C (2")



PROPOSED TYPICAL SECTION

CH 17

(UNDER AND BETWEEN SN 041-0081 AND 041-0082)
LT: STA 49+32.90 TO 50+89.29
RT: STA 49+21.30 TO 50+73.71

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=5' SHEET 6 OF 6 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	17
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

USER NAME = kfair	DESIGNED - LNJ	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

MODEL: SCH-1 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-6110257 PTB 214-047 On-Call\10257_03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-sh-schedule.dgn

REMOVAL SCHEDULE									
STRUCTURE	START	END		LENGTH	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	PAVED SHOULDER REMOVAL	GUTTER REMOVAL	EXCAVATING AND GRADING EXISTING SHOULDER
NUMBER	STATION	STATION	LT/RT	FOOT	SQ YD	SQ YD	SQ YD	FOOT	UNIT
041-0087 (WB)	2762+10.00	2764+08.36		198.36	18	264	264		
	BRIDGE								
	2766+23.28	2769+50.00		326.72	22	485	503		
041-0088 (EB)	2760+50.00	2763+74.14		324.14	21	486	504		
	BRIDGE								
	2765+91.64	2768+00.00		208.36	18	282	282		
041-0071 (WB)	2964+75.00	2966+55.77		180.77		316			
	BRIDGE								
	2968+47.96	2972+50.00		402.04		741			
041-0070 (EB)	2963+00.00	2967+19.02		419.02		759			
	BRIDGE								
	2969+18.47	2971+00.00		181.53		284			
041-0082 (WB)	3198+52.00	3202+68.78		416.78					
	BRIDGE								
	3204+33.27	3209+00.00		466.73		559			
041-0081 (EB)	3196+75.00	3202+82.19		607.19		664			
	BRIDGE								
	3204+48.06	3207+40.00		291.94		294			
CH 17	48+52.00	51+70.00	LT	318.00				57	3
	48+40.00	51+55.00	RT	315.00				57	3
TOTAL					79	5134	1553	114	6

PAVEMENT SCHEDULE														
STRUCTURE	START	END		LENGTH	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	WELDED WIRE REINFORCEMENT	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SHOULDERS	AGGREGATE SHOULDERS, TYPE B	SHOULDER RUMBLE STRIPS, 16 INCH	SUBBASE GRANULAR MATERIAL, TYPE C	PORTLAND CEMENT CONCRETE SHOULDERS 10"	CONCRETE GUTTER, TYPE A	CONCRETE GUTTER, TYPE A (SPECIAL)
NUMBER	STATION	STATION	LT/RT	FOOT	SQ YD	SQ YD	POUND	TON	TON	FOOT	TON	SQ YD	FOOT	FOOT
041-0087 (WB)	2762+10.00	2763+79.42		169.42	100	58	119	23		296				
	BRIDGE													
	2766+54.78	2769+50.00		295.22	100	62	229	42	2	546				
041-0088 (EB)	2760+50.00	2763+45.74		295.74	100	62	229	42	2	546				
	BRIDGE													
	2766+20.58	2768+00.00		179.42	100	58	127	24		316				
041-0071 (WB)	2964+75.00	2966+55.77		180.77			142	27		360				
	BRIDGE													
	2968+47.96	2972+50.00		402.04			334	63		826				
041-0070 (EB)	2963+00.00	2967+19.02		419.02			341	65		858				
	BRIDGE													
	2969+18.47	2971+00.00		181.53			128	25		312				
041-0082 (WB)	3198+52.00	3202+68.78		416.78			57	71	5					
	BRIDGE													
	3204+33.27	3209+00.00		466.73			252	47		470				
041-0081 (EB)	3196+75.00	3202+82.19		607.19			299	56		745				
	BRIDGE													
	3204+48.06	3207+40.00		291.94			133	25		334				
CH 17	48+52.00	51+70.00	LT	318.00					10		33	276	140	77
	48+40.00	51+55.00	RT	315.00					10		33	273	140	77
TOTAL					400	240	2390	510	29	5609	66	549	280	154

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USER NAME = kfair	DESIGNED - LNJ	REVISED -
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PLOT SCALE = 0.16666633' / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
I-64 (FAI 64) DUAL BRIDGE REPAIRS			
SCALE: 1"=50'	SHEET 1	OF 3 SHEETS	STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	18
CONTRACT NO. 78B34				
ILLINOIS		FED. AID PROJECT		

MODEL: SCH-2 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-sh-schedule.dgn

MAINTENANCE OF TRAFFIC SCHEDULE											
STRUCTURE	START	END	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE ,NARROW), TEST LEVEL 3	CHANGEABLE MESSAGE SIGN	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
NUMBER	STATION	STATION	EACH	FOOT	EACH	FOOT	EACH	EACH	CAL DA	FOOT	SQ FT
STAGE I											
041-0087 (WB)	2762+15.00	2783+61.00	1	563	18		1		14		
041-0088 (EB)	2746+39.00	2767+85.00	1	550	18		1		14		
041-0071 (WB)	2964+75.00	2985+98.00	1	588			1		14		
041-0070 (EB)	2949+52.00	2970+25.00	1	563			1		14		
041-0082 (WB)	3198+56.00	3220+75.00	1	538			1		14		
041-0081 (EB)	3190+27.00	3205+75.00	1	500			1		14		
STAGE I SUB-TOTAL			6	3302	36		6		84		
STAGE II											
041-0087 (WB)	2762+15.00	2783+61.00				550		1		239	81
041-0088 (EB)	2746+39.00	2767+85.00				563		1		239	81
041-0071 (WB)	2964+75.00	2985+98.00				563		1		236	80
041-0070 (EB)	2949+52.00	2970+25.00				550		1		231	77
041-0082 (WB)	3198+56.00	3220+75.00				438		1		293	99
041-0081 (EB)	3190+27.00	3205+75.00				475		1		172	58
STAGE II SUB-TOTAL						3139		6		1410	476
TOTAL											
			6	3302	36	3139	6	6	84	1410	476

EROSION CONTROL AND SEEDING SCHEDULE													
STRUCTURE	START	END			GRADING AND SHAPING DITCHES	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	MOWING	CONCRETE HEADWALLS FOR PIPE DRAINS
NUMBER	STATION	STATION	LT/RT	FOOT	FOOT	ACRE	POUND	POUND	POUND	ACRE	POUND	UNIT	EACH
SN 041-0087(88)	2757+90.00	2772+00.00		1410.00								45	8
SN 041-0070(71)	2960+55.00	2974+95.00		1440.00								50	
SN 041-0081(82)	3196+75.00	3209+95.00		1320.00								55	
CH 17	47+90.00	52+25.00	LT	435.00	100	0.15	15	15	15	0.15	15		
	47+85.00	52+10.00	RT	425.00	100	0.15	15	15	15	0.15	15		
TOTAL					200	0.5	30	30	30	0.5	30	150	8

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USER NAME = kfair	DESIGNED - LNJ	REVISED -
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PLOT SCALE = 0.16666633"/in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
I-64 (FAI 64) DUAL BRIDGE REPAIRS			
SCALE: 1"=50'	SHEET 2	OF 3 SHEETS	STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	19
CONTRACT NO. 78B34				
ILLINOIS		FED. AID PROJECT		

MODEL: SCH-3 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-sh-schedule.dgn

GUARDRAIL SCHEDULE							
STRUCTURE	START	END	OFFSET	GUARDRAIL REMOVAL (SPECIAL)	TRAFFIC BARRIER TERMINAL, TYPE 6	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	GUARDRAIL REFLECTORS, TYPE A
NUMBER	STATION	STATION	FOOT LT/RT	FOOT	EACH	SQ YD	EACH
041-0087 (WB)	2762+10.00	2764+08.36	69.00' LT				
	2762+10.00	2764+08.36	29.00' LT				
	BRIDGE						
	2766+23.28	2769+50.00	69.00' LT	37	1	9	1
	2766+23.28	2769+50.00	29.00' LT	37	1	9	1
041-0088 (EB)	2760+50.00	2763+74.14	69.00' RT	37	1	9	1
	2760+50.00	2763+74.14	29.00' RT	37	1	9	1
	BRIDGE						
	2765+91.64	2768+00.00	69.00' RT				
	2765+91.64	2768+00.00	29.00' RT				
TOTAL				148	4	36	4

PAVEMENT MARKING SCHEDULE																	
STRUCTURE	START	END	OFFSET	LENGTH	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 6"		PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	PAINT PAVEMENT MARKING - LINE 4"		RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL - GRINDING	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT		TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT
					WHITE	YELLOW	WHITE	FOOT	FOOT	WHITE	YELLOW	EACH	EACH	SQ FT	WHITE	YELLOW	WHITE
NUMBER	STATION	STATION	LT/RT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	SQ FT	FOOT	FOOT	FOOT
041-0087 (WB)	2762+10.00	2784+48.00		2238.00	2798	2238		5036				56	56	5036	2798	2238	
041-0088 (EB)	2745+52.00	2768+00.00		2248.00	2810	2248		5058				57	57	5058	2810	2248	
041-0071 (WB)	2964+75.00	2987+56.00		2281.00	2852	2281		5133				58	58	5136	2852	2281	
041-0070 (EB)	2947+94.00	2971+00.00		2306.00	2883	2306		5189				58	58	5190	2883	2306	
041-0082 (WB)	3198+90.00	3223+86.00		2496.00	2480	2496	360	4976	360			63	32	5456	2480	2496	360
041-0081 (EB)	3184+19.00	3206+00.00		2181.00	2727	2181		4908				55	28	4910	2727	2181	
041-0082 RAMP	3199+56.00	3205+30.00		574.00	574		294	574	294			40	40	966	574		294
CH 17	48+52.00	51+70.00	LT	318.00						318	318						
	48+40.00	51+55.00	RT	315.00						315	315						
TOTAL					17124	13750	654	30874	654	633	633	387	329	31752	17124	13750	654

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PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50'

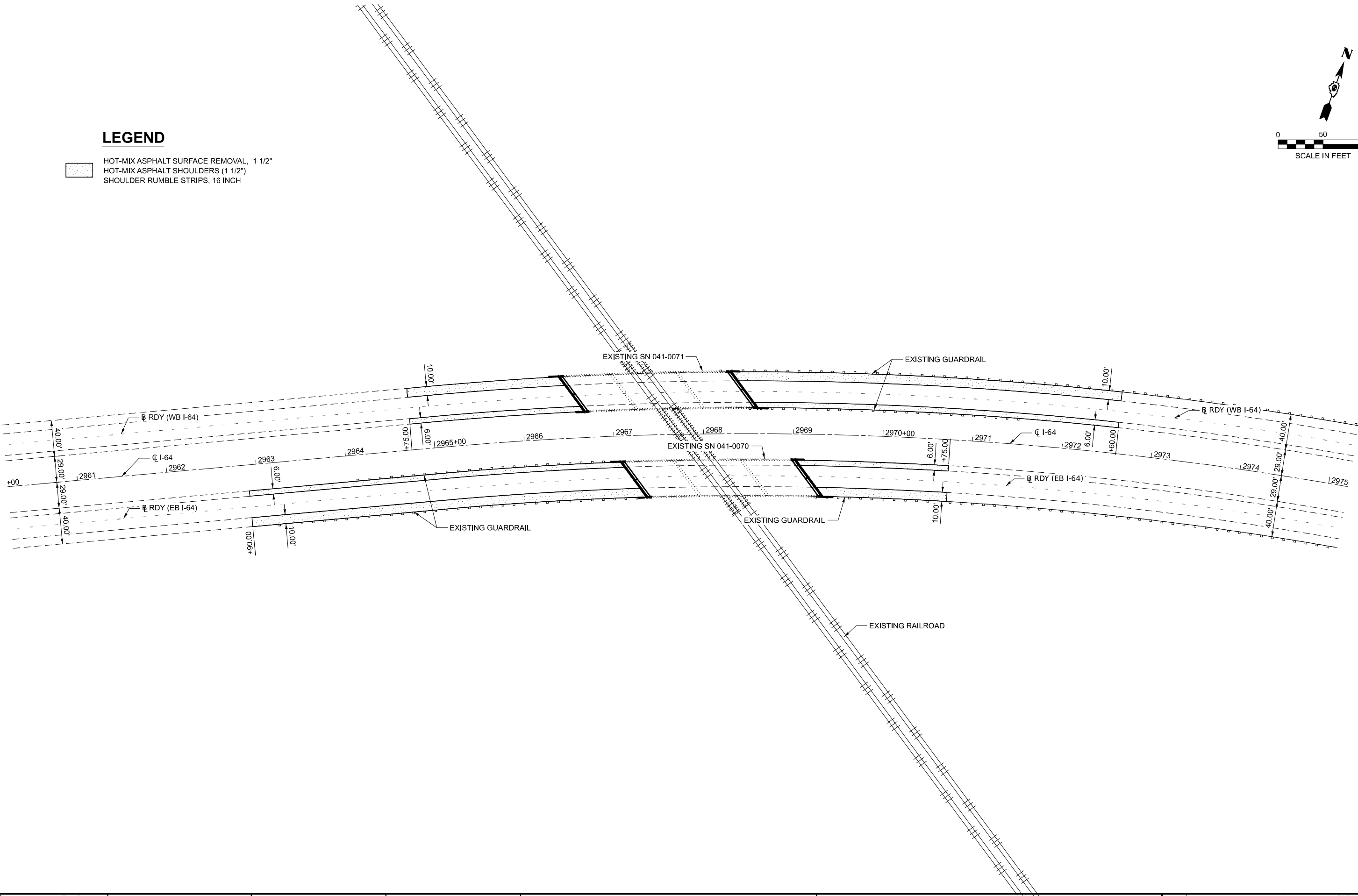
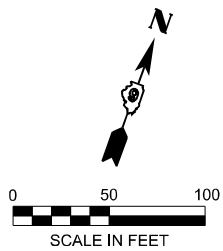
SHEET 3 OF 3 SHEETS

STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	20
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SHOULDERS (1 1/2")
- SHOULDER RUMBLE STRIPS, 16 INCH



MODEL: EXCL I64 0070 0071 - Plan 2 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10 12\CADD Data\Streets\0978B34-shp.dgn

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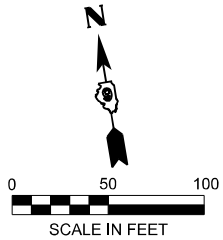
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PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - SN 041-0070 & 041-0071
I-64 (FAI 64) DUAL BRIDGE REPAIRS

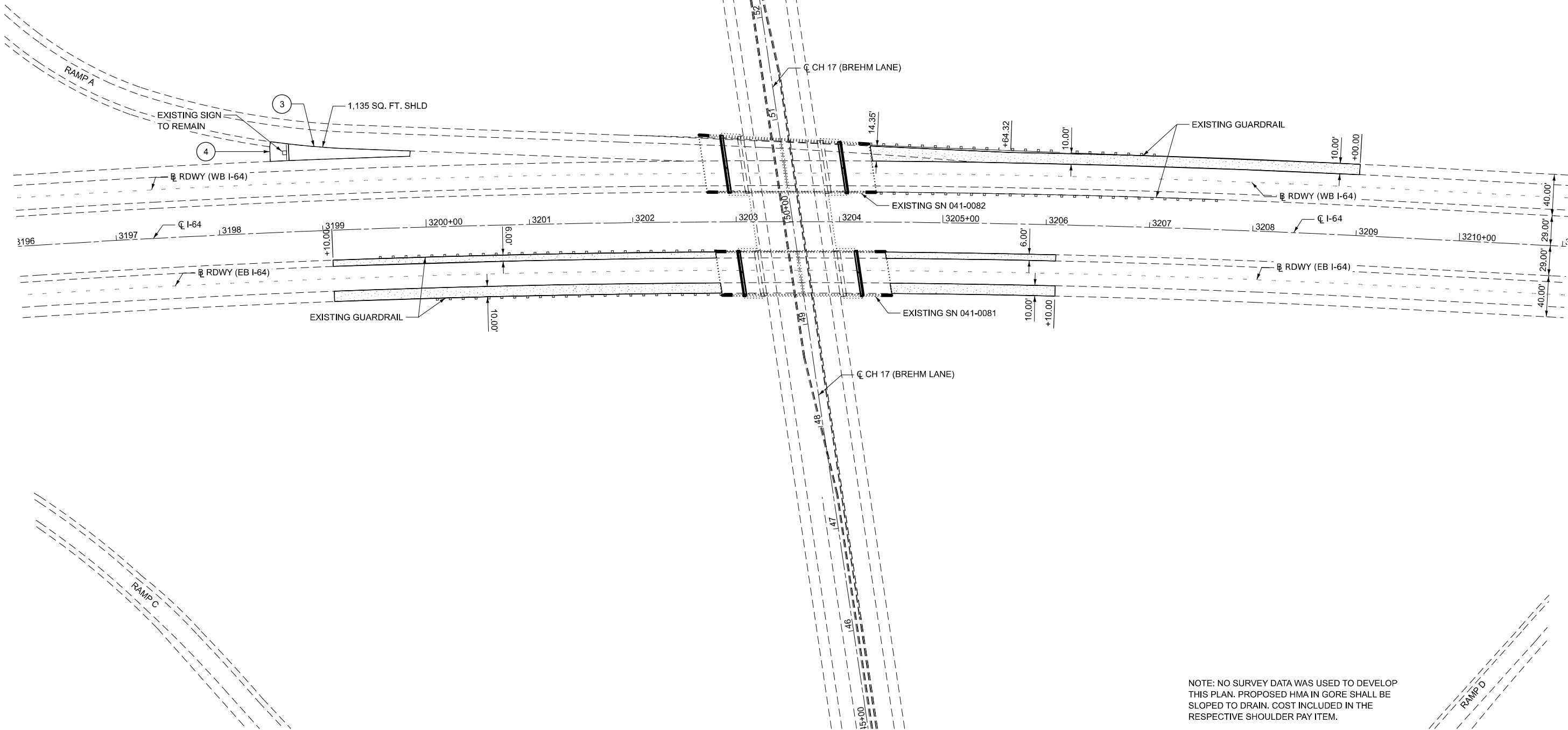
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 2960+21.95 TO STA. 2975+21.95

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	22
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				



LEGEND

- [Pattern] HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- [Pattern] HOT-MIX ASPHALT SHOULDERS (1 1/2")
- [Pattern] SHOULDER RUMBLE STRIPS, 16 INCH
- 3 HOT-MIX ASPHALT SHOULDERS (10")
- 4 AGGREGATE SHOULDERS, TYPE B



NOTE: NO SURVEY DATA WAS USED TO DEVELOP THIS PLAN. PROPOSED HMA IN GORE SHALL BE SLOPED TO DRAIN. COST INCLUDED IN THE RESPECTIVE SHOULDER PAY ITEM.

MODEL: EXCL I64 0081 0082 - Plan 3 (Sheet)
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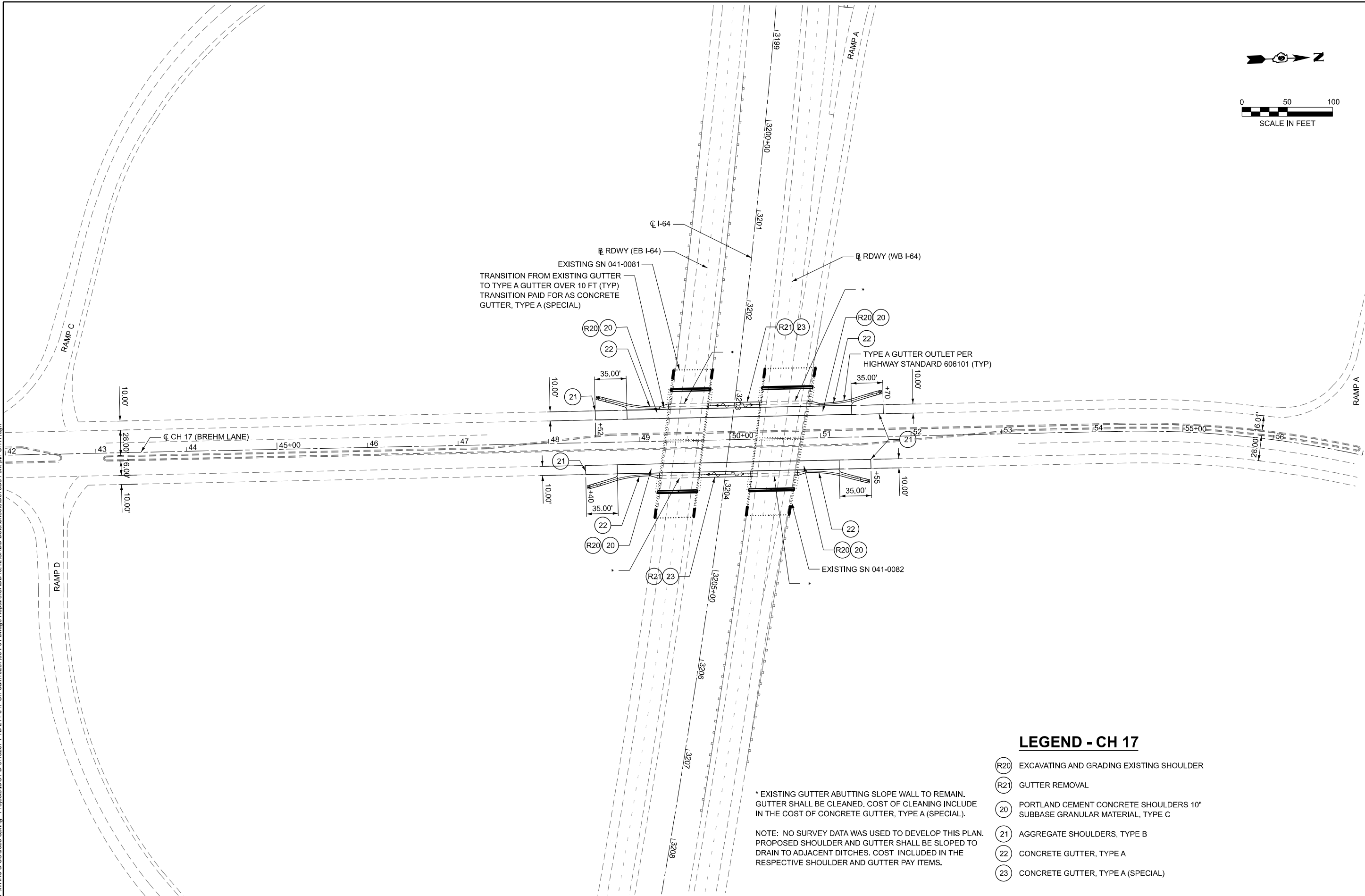
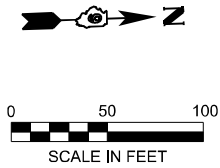
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PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - SN 041-0081 & 041-0082
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 3196+04.67 TO STA. 3211+04.67

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	23
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				



* EXISTING GUTTER ABUTTING SLOPE WALL TO REMAIN.
GUTTER SHALL BE CLEANED. COST OF CLEANING INCLUDE
IN THE COST OF CONCRETE GUTTER, TYPE A (SPECIAL).

NOTE: NO SURVEY DATA WAS USED TO DEVELOP THIS PLAN.
PROPOSED SHOULDER AND GUTTER SHALL BE SLOPED TO
DRAIN TO ADJACENT DITCHES. COST INCLUDED IN THE
RESPECTIVE SHOULDER AND GUTTER PAY ITEMS.

LEGEND - CH 17

- (R20) EXCAVATING AND GRADING EXISTING SHOULDER
- (R21) GUTTER REMOVAL
- (20) PORTLAND CEMENT CONCRETE SHOULDERS 10" SUBBASE GRANULAR MATERIAL, TYPE C
- (21) AGGREGATE SHOULDERS, TYPE B
- (22) CONCRETE GUTTER, TYPE A
- (23) CONCRETE GUTTER, TYPE A (SPECIAL)

MODEL: EXCL_CH18 - Plan 1 [Sheet]
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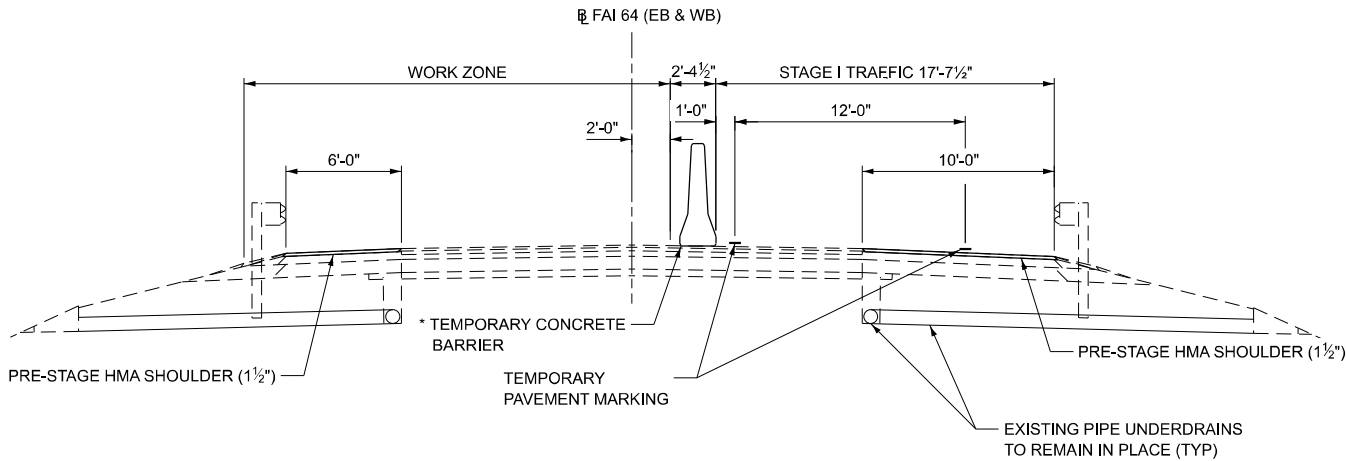
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DRAWN - KNF	REVISED -	
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - CH 17
I-64 (FAI 64) DUAL BRIDGE REPAIRS

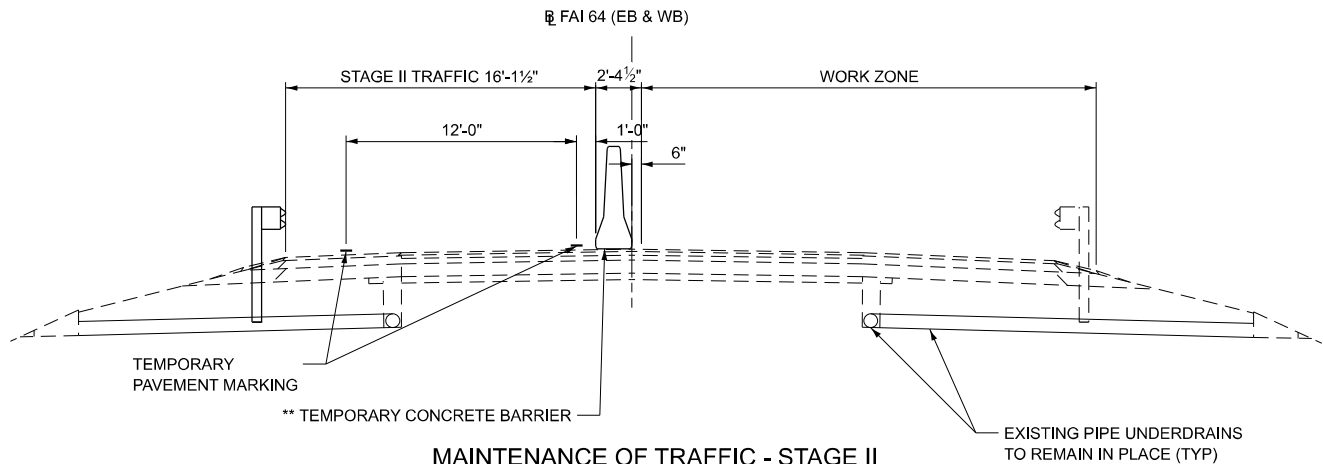
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 42+00.00 TO STA. 57+00.00

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	24
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC - STAGE I

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0087 & 041-0088



MAINTENANCE OF TRAFFIC - STAGE II

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0087 & 041-0088

* STAGE I TEMPORARY CONCRETE BARRIER SHALL BE PINNED IN THESE LOCATIONS:
SN 041-0087(WB)
STA 2763+57 TO 2763+81 AND STA 2766+56 TO 2766+78
SN 041-0088(EB)
STA 2763+22 TO 2763+46 AND STA 2766+19 TO 2766+43

** TO RETAIN THE TEMPORARY CONCRETE BARRIER FOR STAGE II TRAFFIC, THE CONTRACTOR SHALL HAVE THE OPTION OF USING EITHER 2 (#5) BAR SPLICERS OR 2 CAST IN PLACE INSERTS AT 6" CENTERS AT THE MID-DEPTH OF THE APPROACH SLAB AND PAVEMENT CONNECTOR. THE BAR SPLICERS OR INSERTS SHALL HAVE A MINIMUM PROOF LOAD OF 5,000 POUNDS. ALONG WITH THE ANCHORING DEVICES THE CONTRACTOR SHALL PROVIDE ONE STEEL RETAINER PLATE AND 2 - 1/2" DIAMETER BOLT AND WASHERS EVERY 6' AS SHOWN ON DETAIL II ON STANDARD R-27 (SHEET 54 OF 141) FROM SN 041-0087(WB)
STA 2763+57 TO 2763+81 AND STA 2766+56 TO 2766+78
SN 041-0088(EB)
STA 2763+22 TO 2763+46 AND STA 2766+19 TO 2766+43
FOR STAGE II TRAFFIC. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER, NO ADDITIONAL COMPENSATION SHALL BE PROVIDED.

NOTE: GUARDRAIL AND BARRIER WALL REFLECTORS SHALL BE PROVIDED PER HIGHWAY STANDARD 701402. COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION, STANDARD 701402.

MODEL: TYP-41 Sheet1
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shd-staging-typicals.dgn

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PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

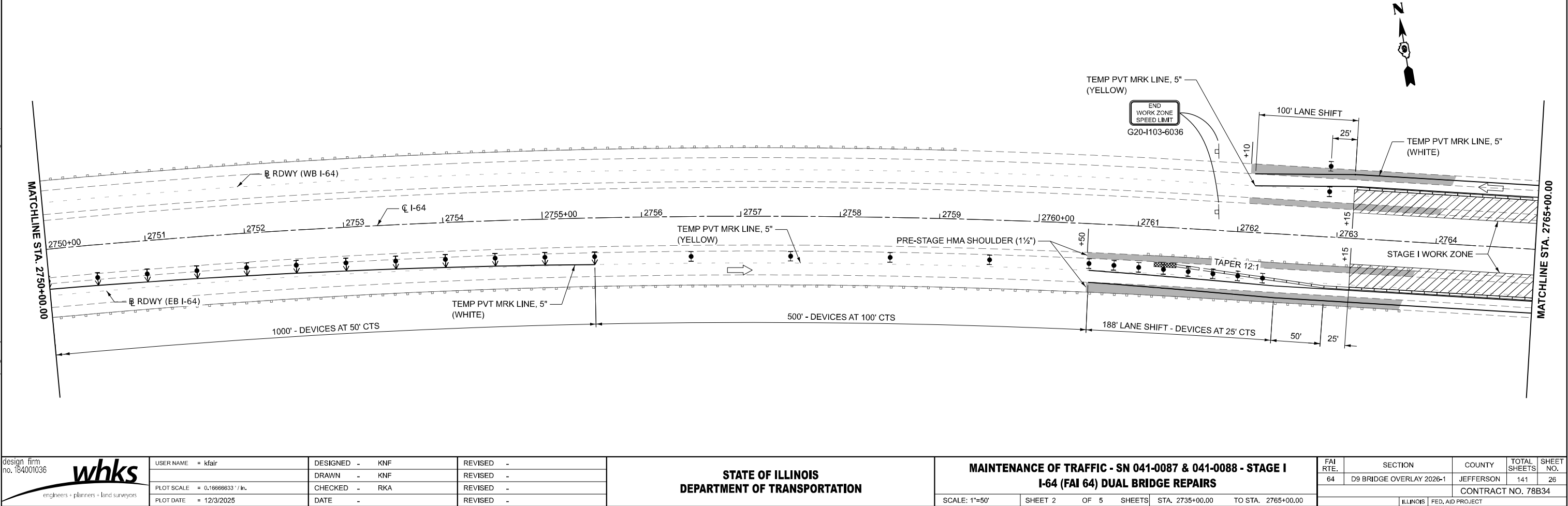
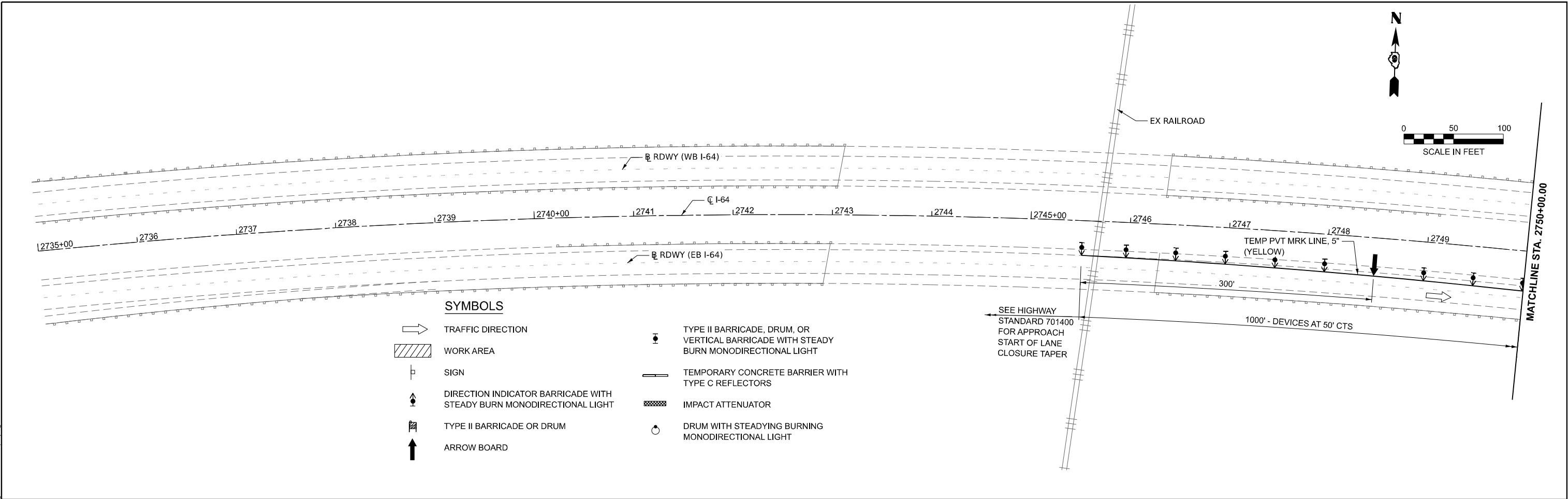
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - SN 041-0087 & 041-0088
I-64 (FAI 64) DUAL BRIDGE REPAIRS

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

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	25
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

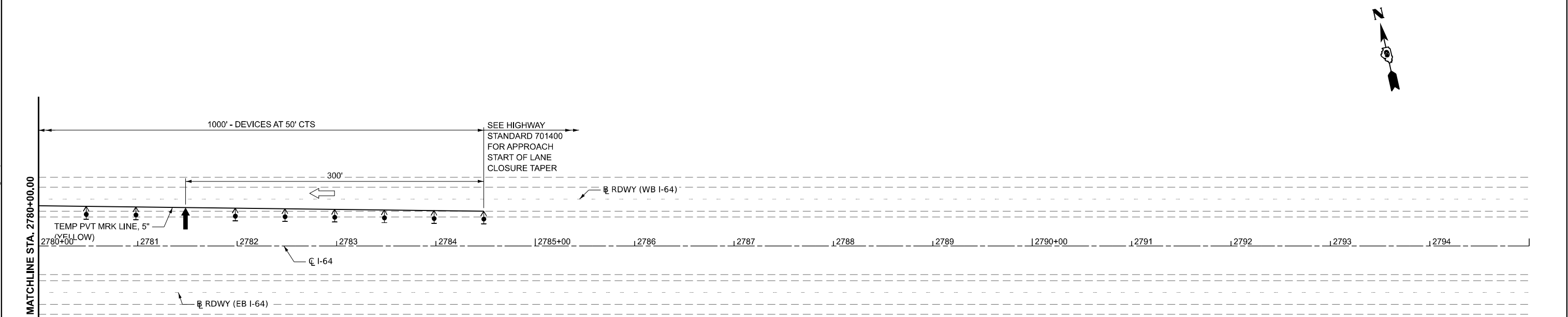
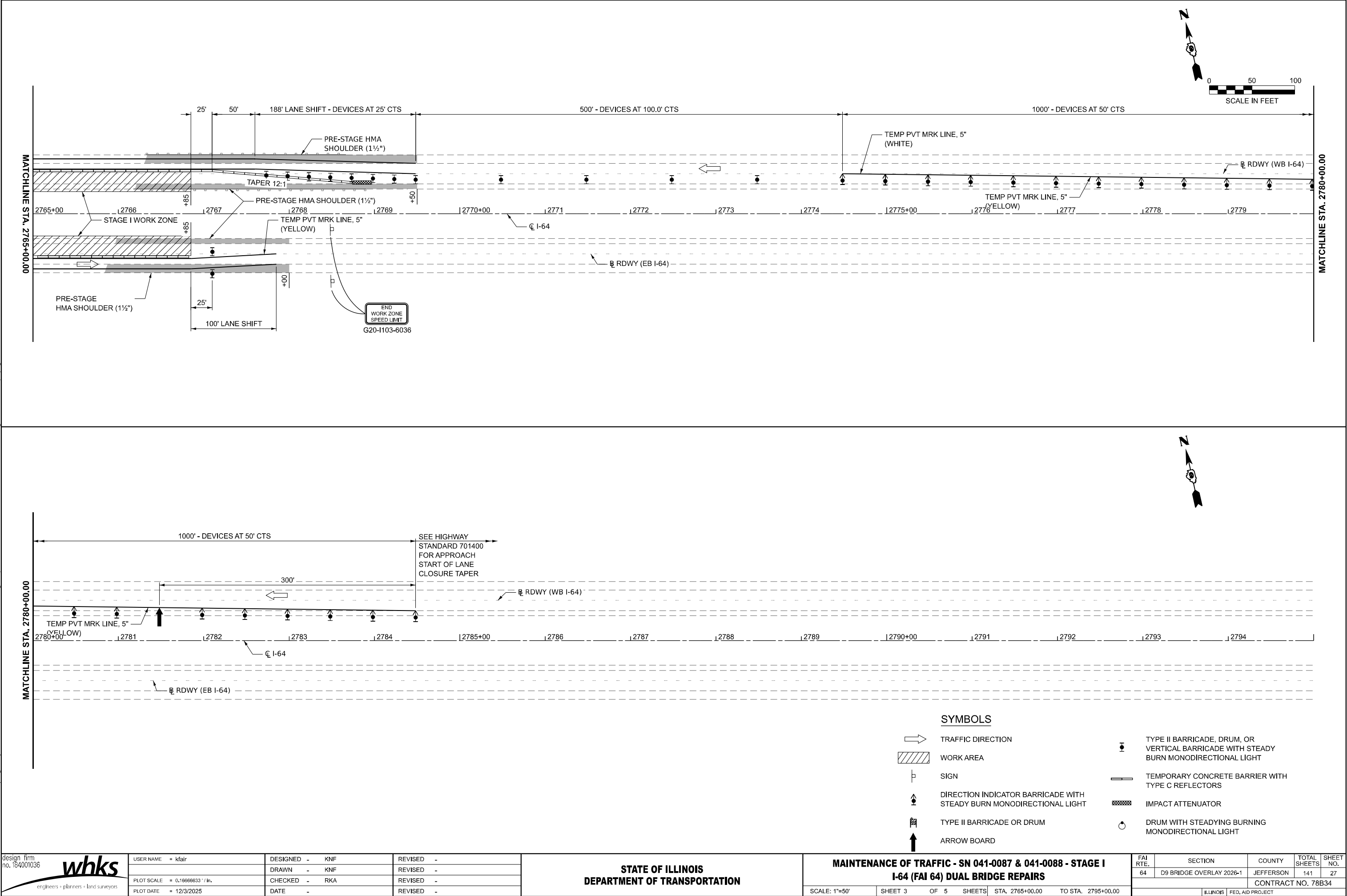
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USER NAME = kfair	DESIGNED - KNF	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	26
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: 0410087(88) Stage 1 Sheet 2 [Sheet]
FILE NAME: C:\SP\WHKS\Projects\IDOT D-010257 PTB 214-047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shd-stage1-SN-0410087(88).dgn

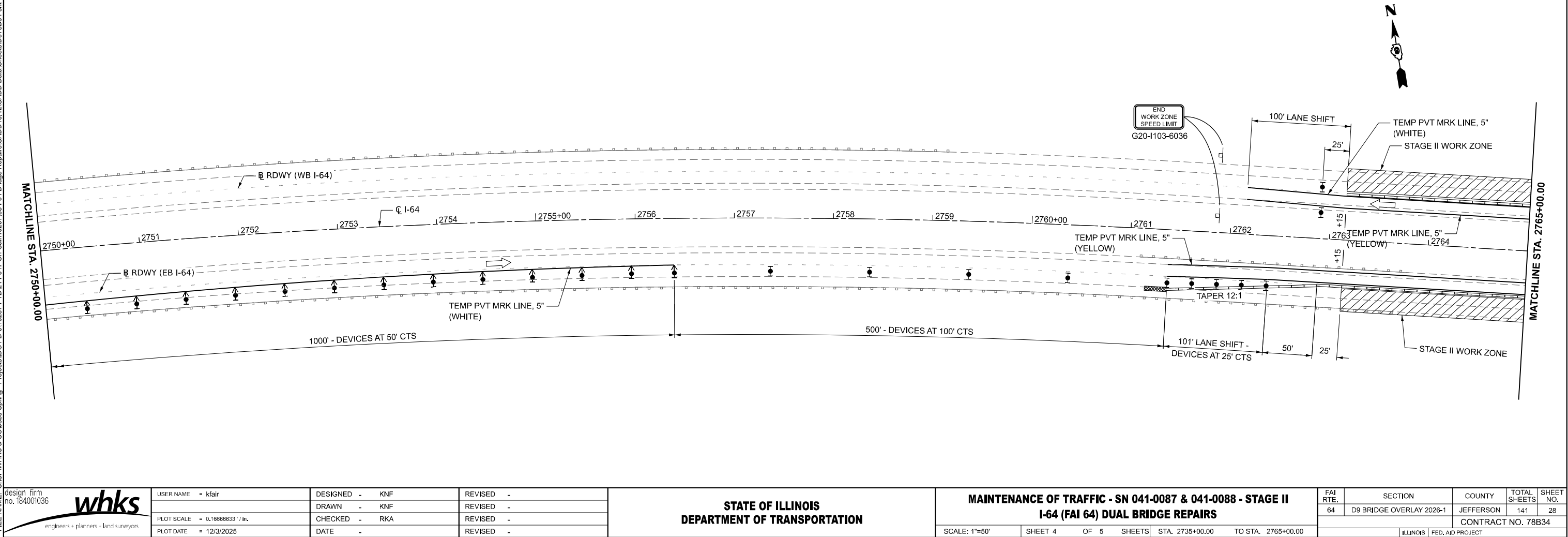
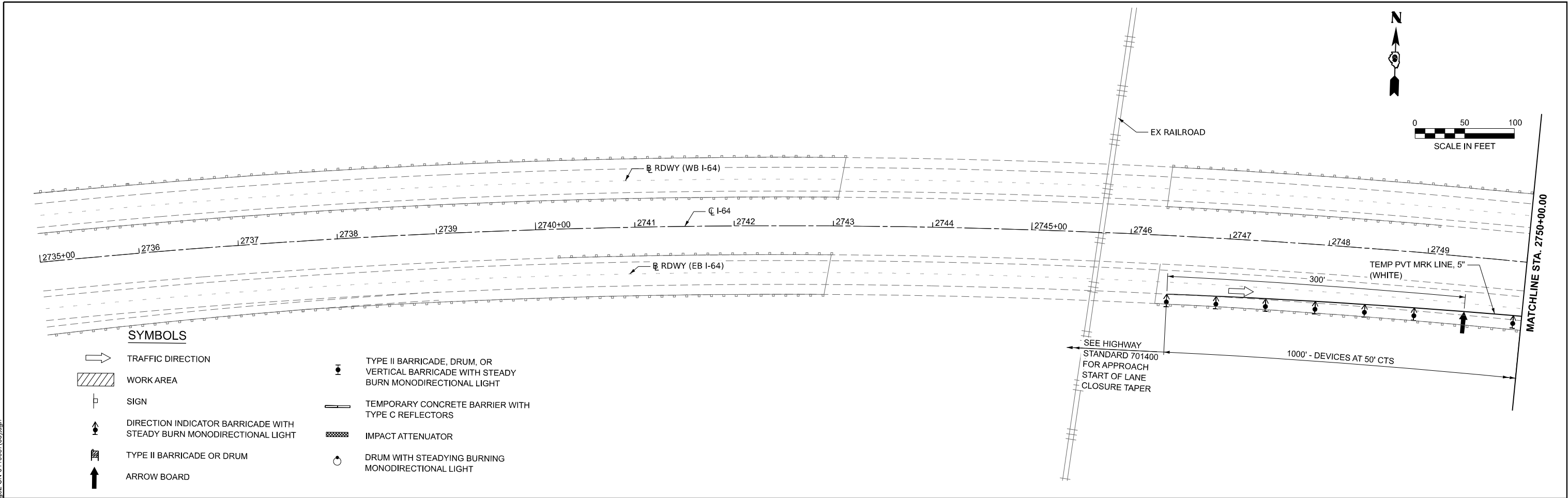


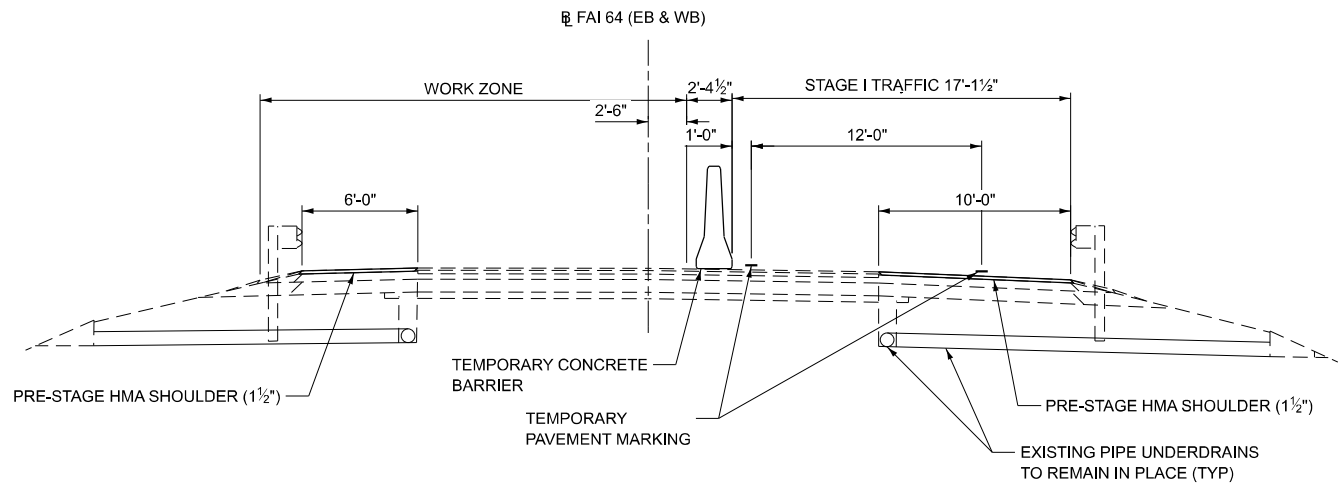
SYMBOLS			
	TRAFFIC DIRECTION		TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	WORK AREA		TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
	SIGN		IMPACT ATTENUATOR
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT		DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT
	TYPE II BARRICADE OR DRUM		
	ARROW BOARD		

design firm no. 184001036 whks engineers + planners + land surveyors	USER NAME = kfair	DESIGNED - KNF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - SN 041-0087 & 041-0088 - STAGE I I-64 (FAI 64) DUAL BRIDGE REPAIRS			FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.	DRAWN - KNF	REVISED -					64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	27
	CHECKED - RKA	REVISIED -						CONTRACT NO. 78B34				
	DATE - 12/3/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SCALE: 1"=50'	SHEET 3	OF 5	SHEETS	STA. 2765+00.00	TO STA. 2795+00.00
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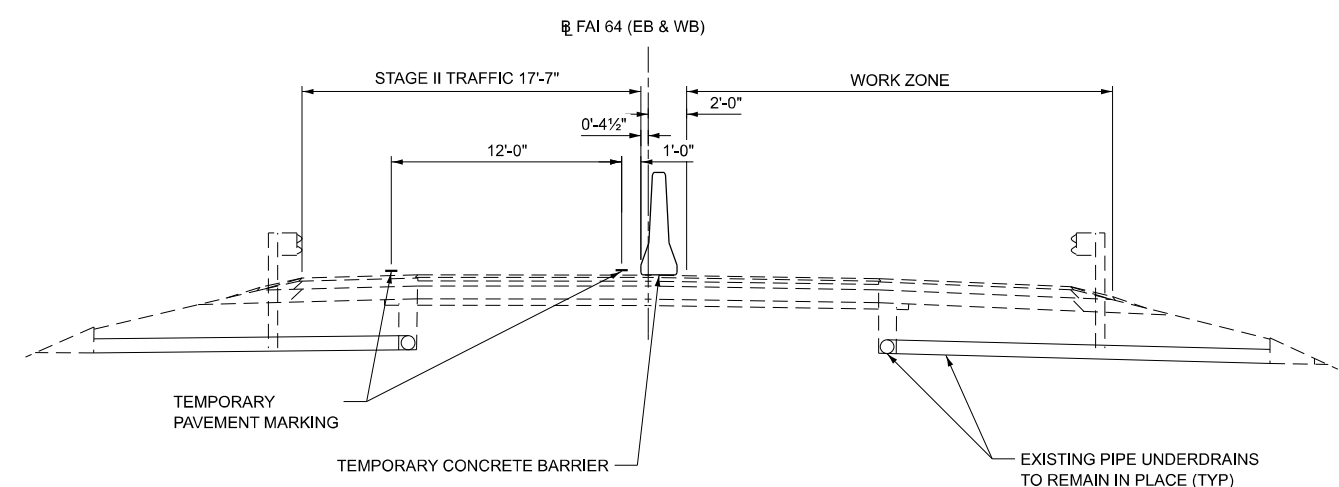
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FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-shd-stage2-SN-0410087(88).dgn





MAINTENANCE OF TRAFFIC - STAGE I

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0070 & 041-0071



MAINTENANCE OF TRAFFIC - STAGE II

(LOOKING UPSTATION FOR EASTBOUND LANES
LOOKING DOWNSTATION FOR WESTBOUND LANES)
SN 041-0070 & 041-0071

NOTE: GUARDRAIL AND BARRIER WALL REFLECTORS SHALL BE PROVIDED PER HIGHWAY STANDARD 701402. COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION, STANDARD 701402.

MODEL: TYP-5 (Sheet)
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shd-staging-typicals.dgn



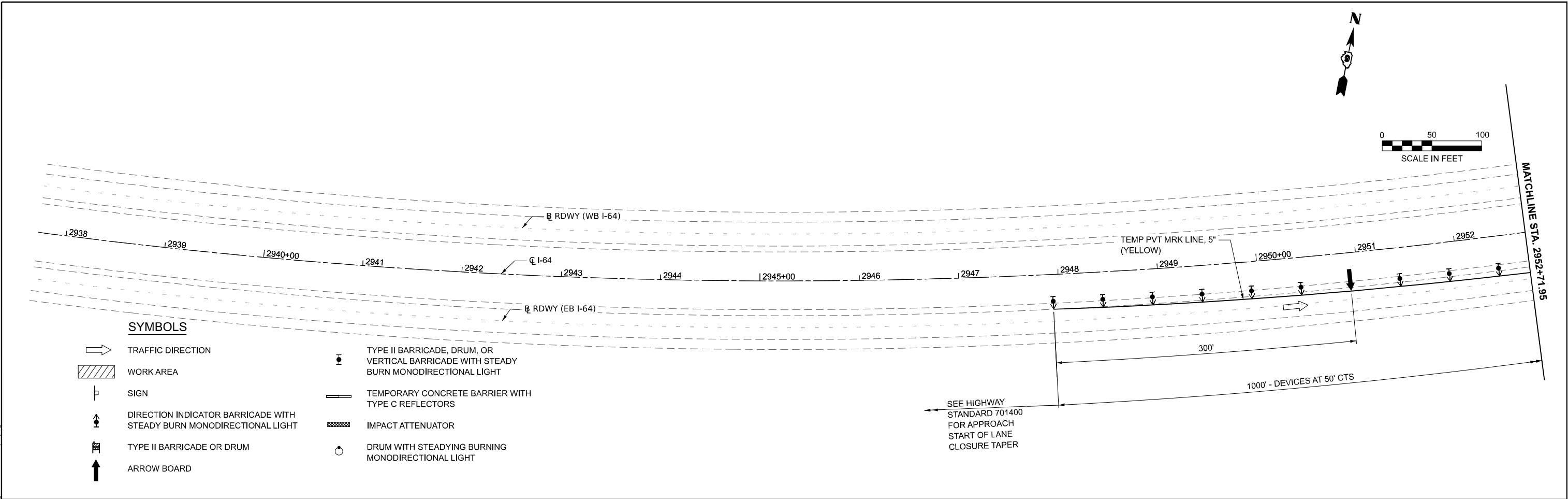
USER NAME = kfair	DESIGNED - KNF	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633''/in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - SN 041-0070 & 041-0071 I-64 (FAI 64) DUAL BRIDGE REPAIRS			
SCALE: 1"=5'	SHEET 1	OF 5 SHEETS	STA. TO STA.

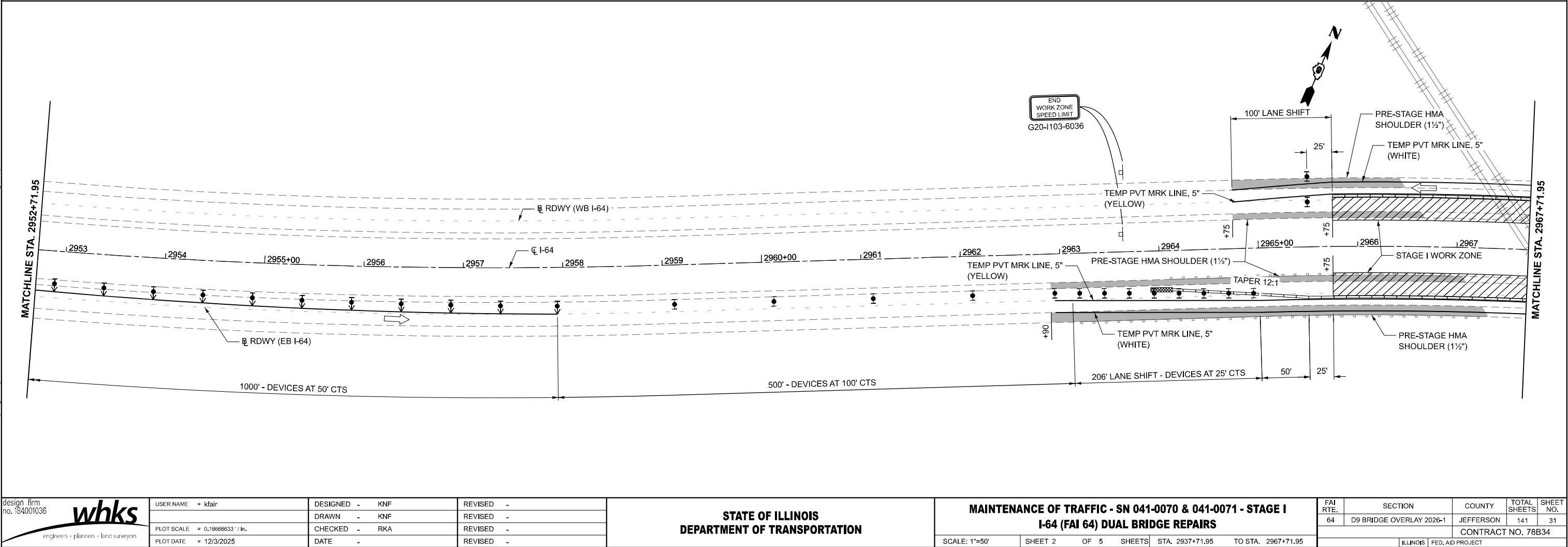
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	30
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: 0470070(71) Stage 1.14 [Sheet]
FILE NAME: C:\SP\WHK3 & CO\Jobs-Spring - Projects\IDOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-shd-stage1-SN-0410070(71).dgn



SYMBOLS

- | | | | |
|--|--|--|---|
| | TRAFFIC DIRECTION | | TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT |
| | WORK AREA | | TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS |
| | SIGN | | IMPACT ATTENUATOR |
| | DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT | | DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT |
| | TYPE II BARRICADE OR DRUM | | |
| | ARROW BOARD | | |



USER NAME = kfair	DESIGNED - KNF	REVISED -
DRAWN - KNF	REVISED -	
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

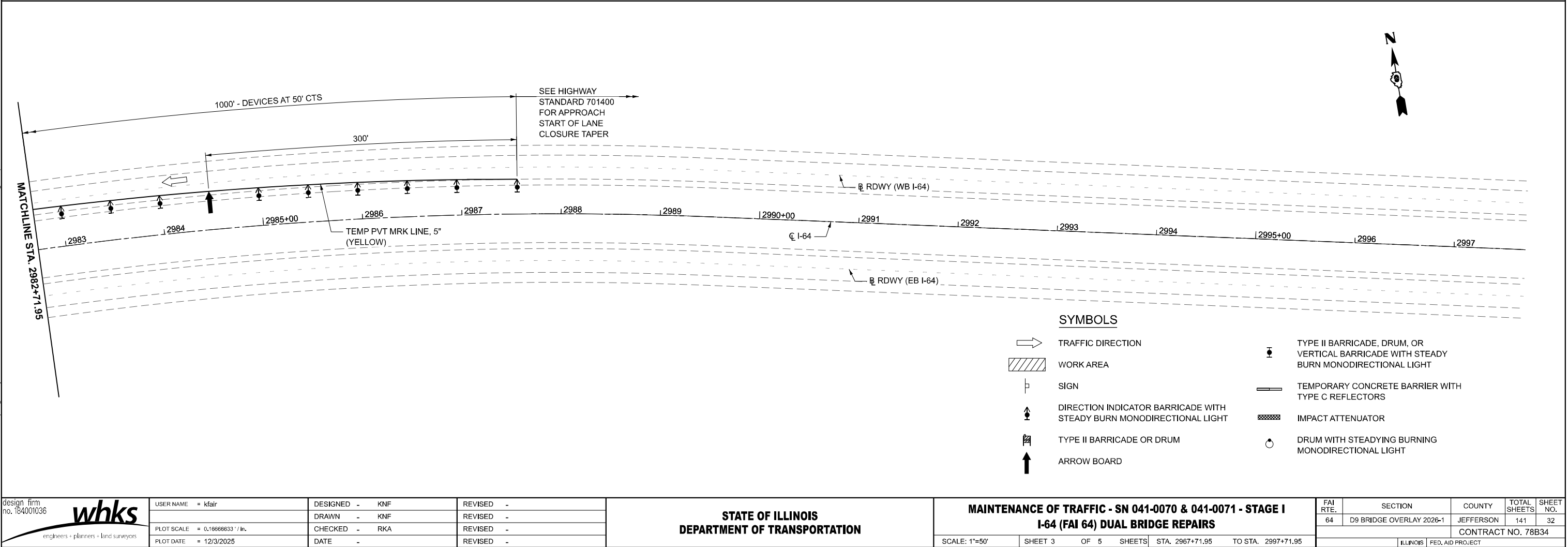
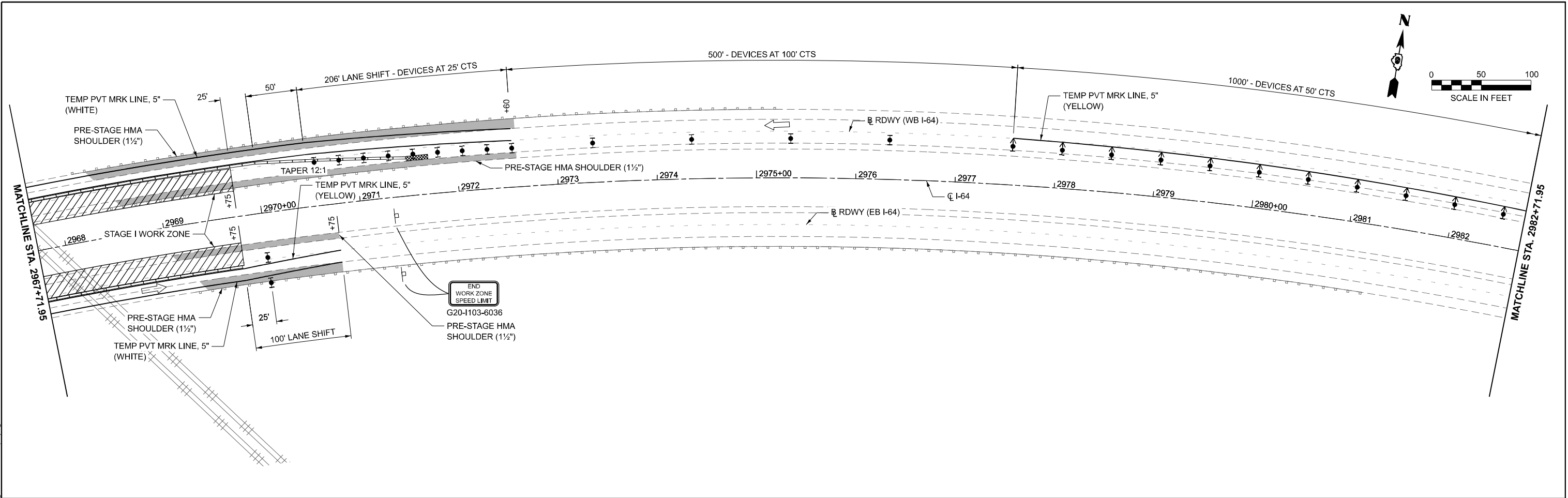
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - SN 041-0070 & 041-0071 - STAGE I
I-64 (FAI 64) DUAL BRIDGE REPAIRS**

SCALE: 1"=50' SHEET 2 OF 5 SHEETS STA. 2937+71.95 TO STA. 2967+71.95

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	31
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

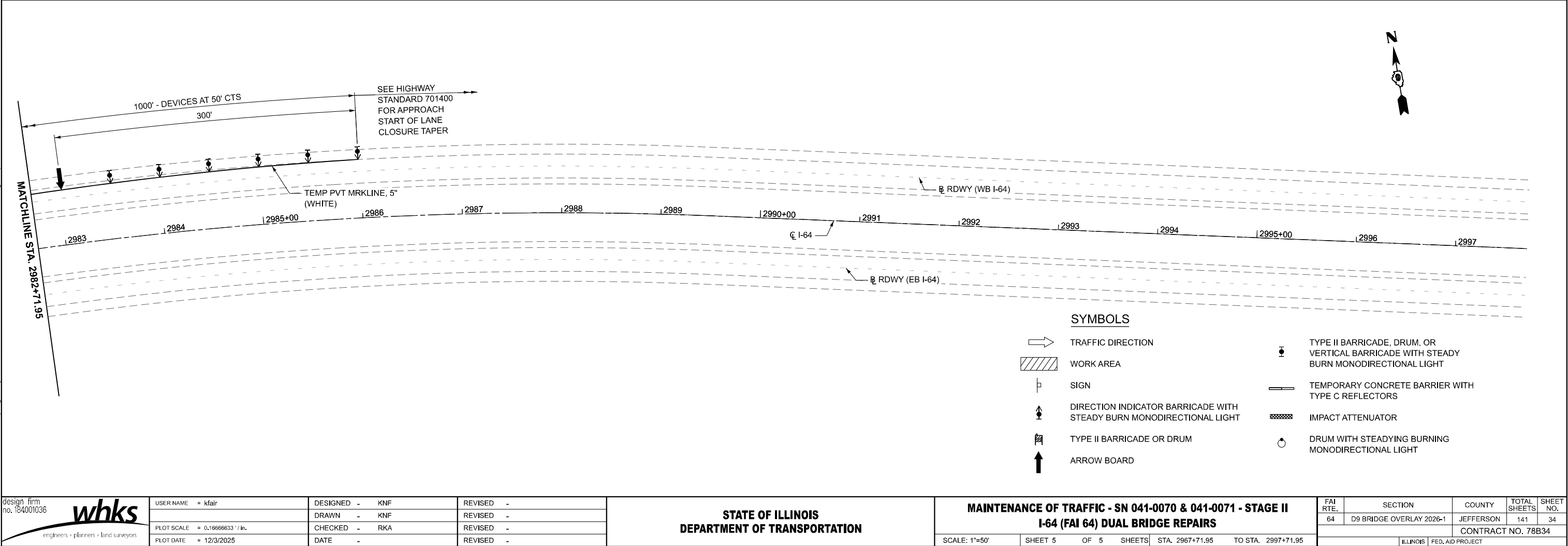
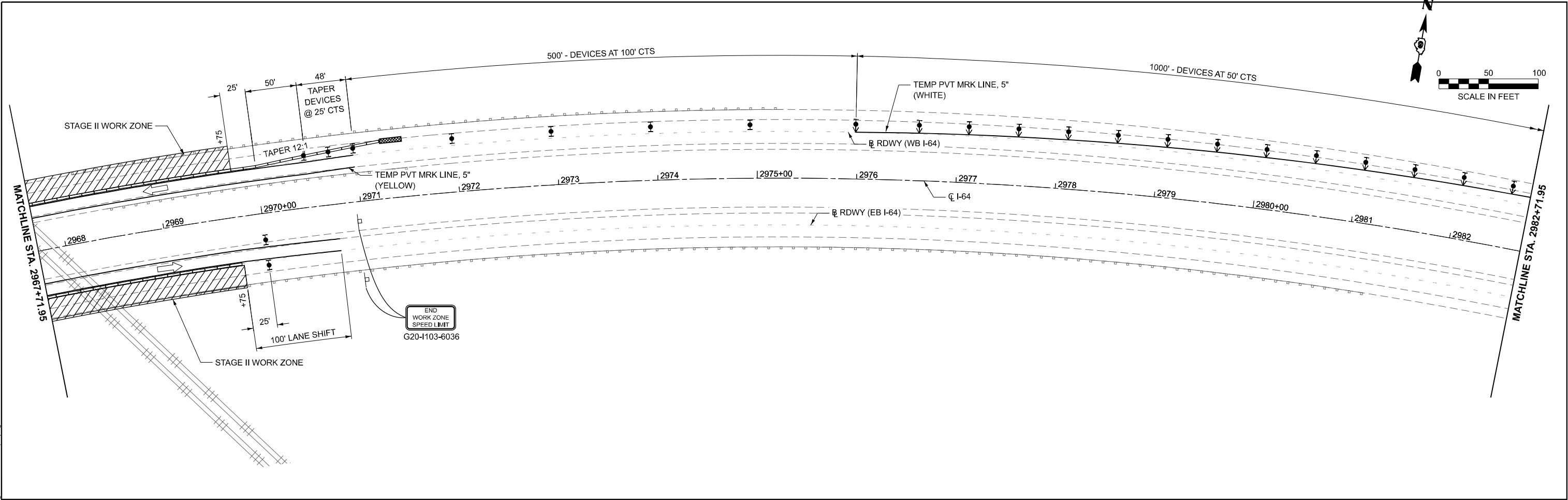
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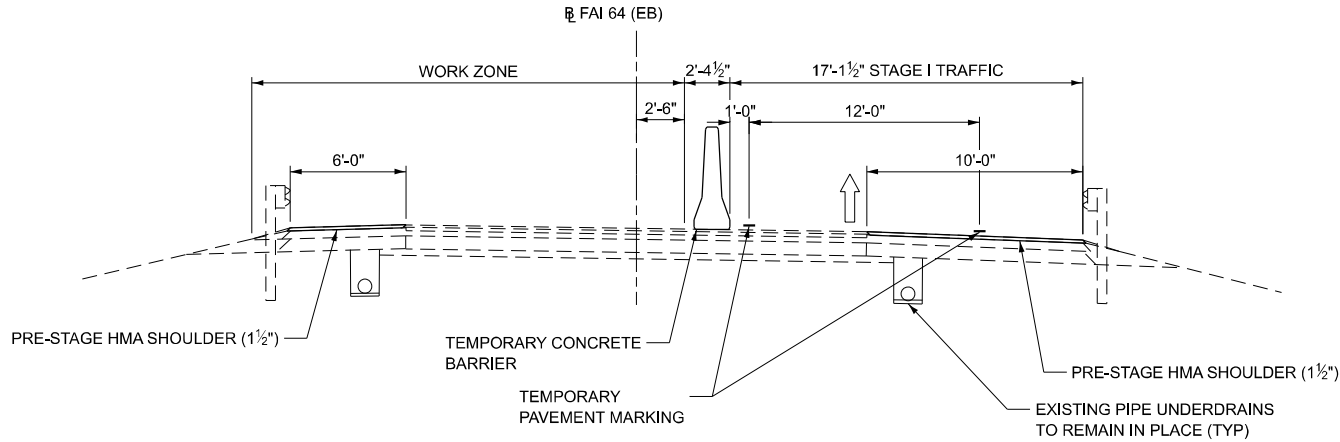


USER NAME = kfair	DESIGNED - KNF	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

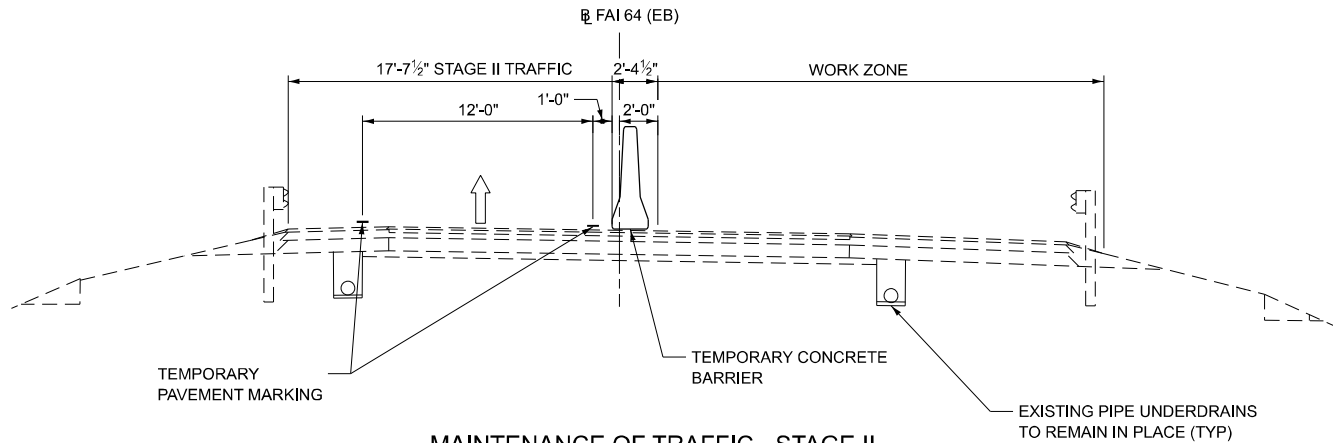
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	32
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: 0470070(71) Stage 1.13 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-610257 PTB 214-047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shd-stage2-SN-0410070(71).dgn





MAINTENANCE OF TRAFFIC - STAGE I
(LOOKING UPSTATION)
SN 041-0081



MAINTENANCE OF TRAFFIC - STAGE II
(LOOKING UPSTATION)
SN 041-0081

NOTE: GUARDRAIL AND BARRIER WALL REFLECTORS SHALL BE PROVIDED PER HIGHWAY STANDARD 701402. COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION, STANDARD 701402.

MODEL: TYP-6 (Sheet)
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-shd-staging-typicals.dgn

design firm
no. 184001036

whks
engineers + planners + land surveyors

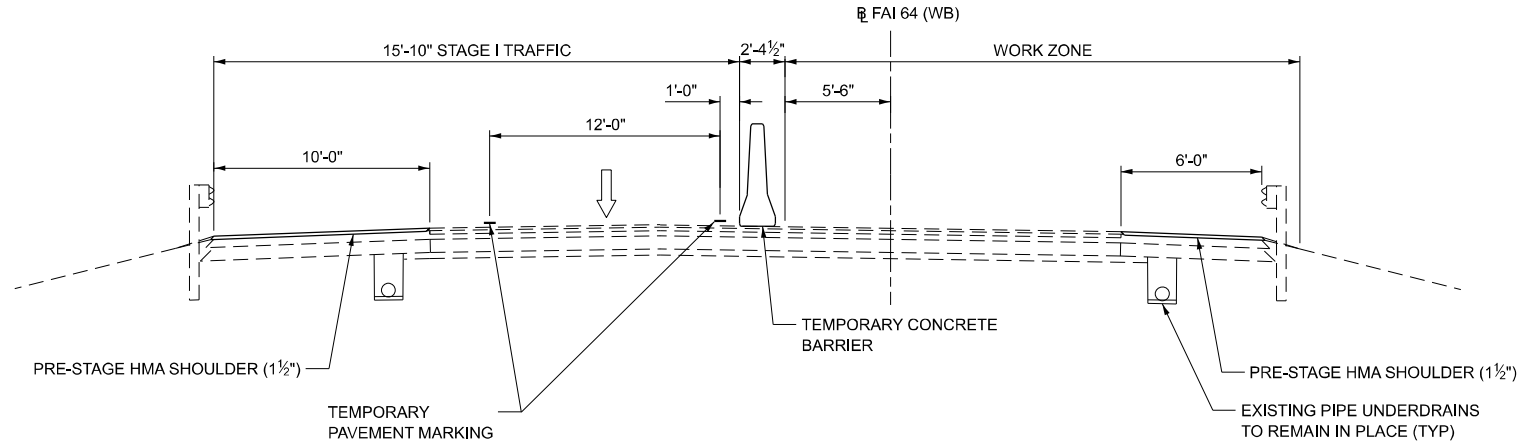
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PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

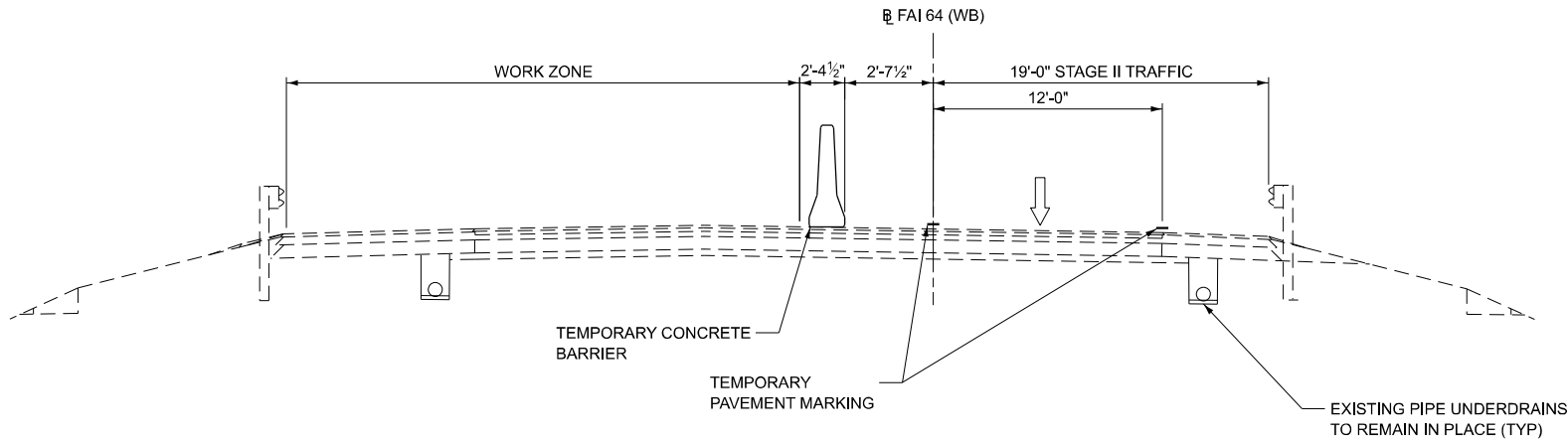
MAINTENANCE OF TRAFFIC - SN 041-0081
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=5' SHEET 1 OF 6 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	35
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC - STAGE I
(LOOKING UPSTATION)
SN 041-0082



MAINTENANCE OF TRAFFIC - STAGE II
(LOOKING UPSTATION)
SN 041-0082

NOTE: GUARDRAIL AND BARRIER WALL REFLECTORS SHALL BE PROVIDED PER HIGHWAY STANDARD 701402. COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION, STANDARD 701402.

MODEL: TYP-7 (Sheet)
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shd-staging-typicals.dgn

design firm
no. 184001036

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USER NAME = kfair	DESIGNED - KNF	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633''/in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

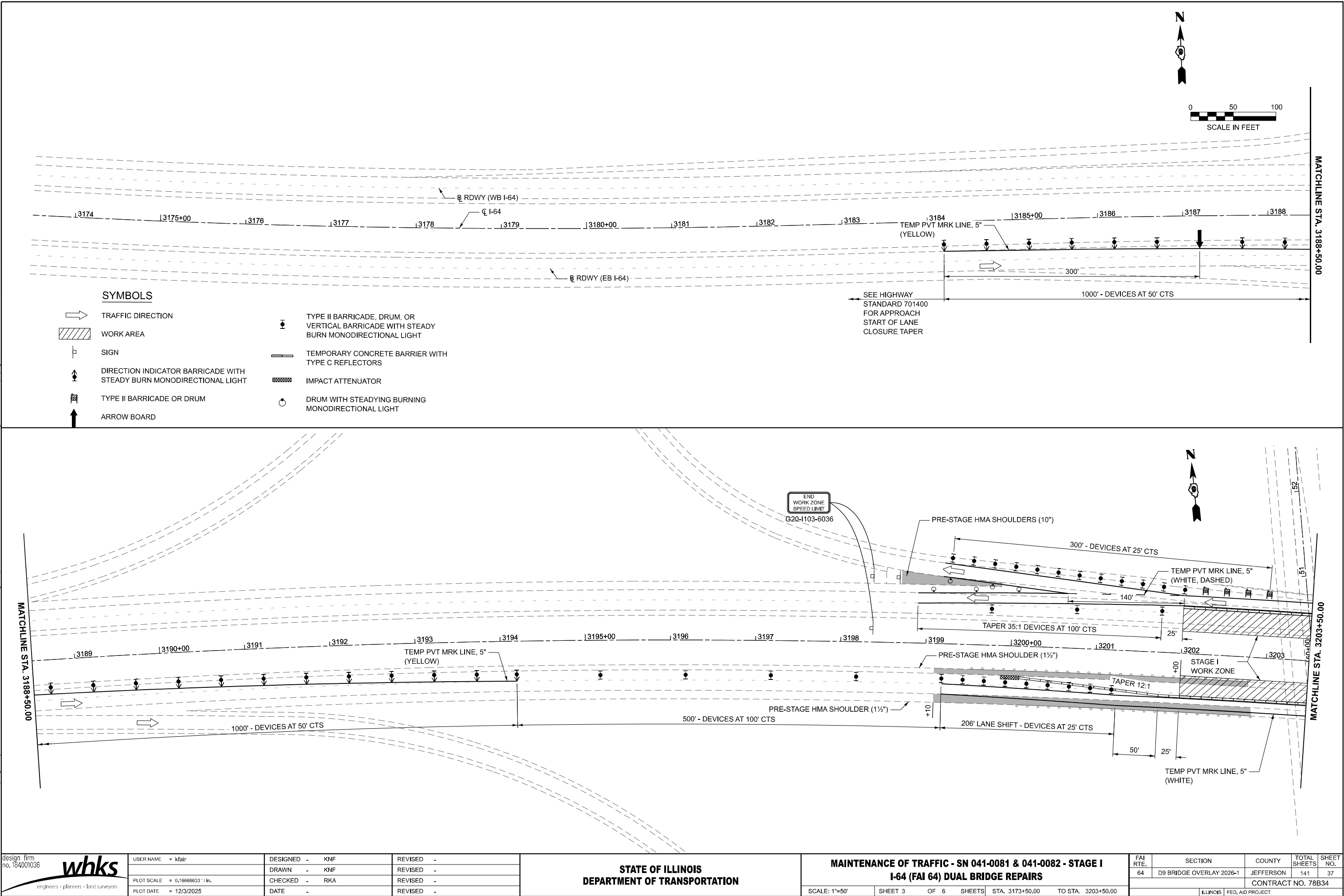
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - SN 041-0082
I-64 (FAI 64) DUAL BRIDGE REPAIRS

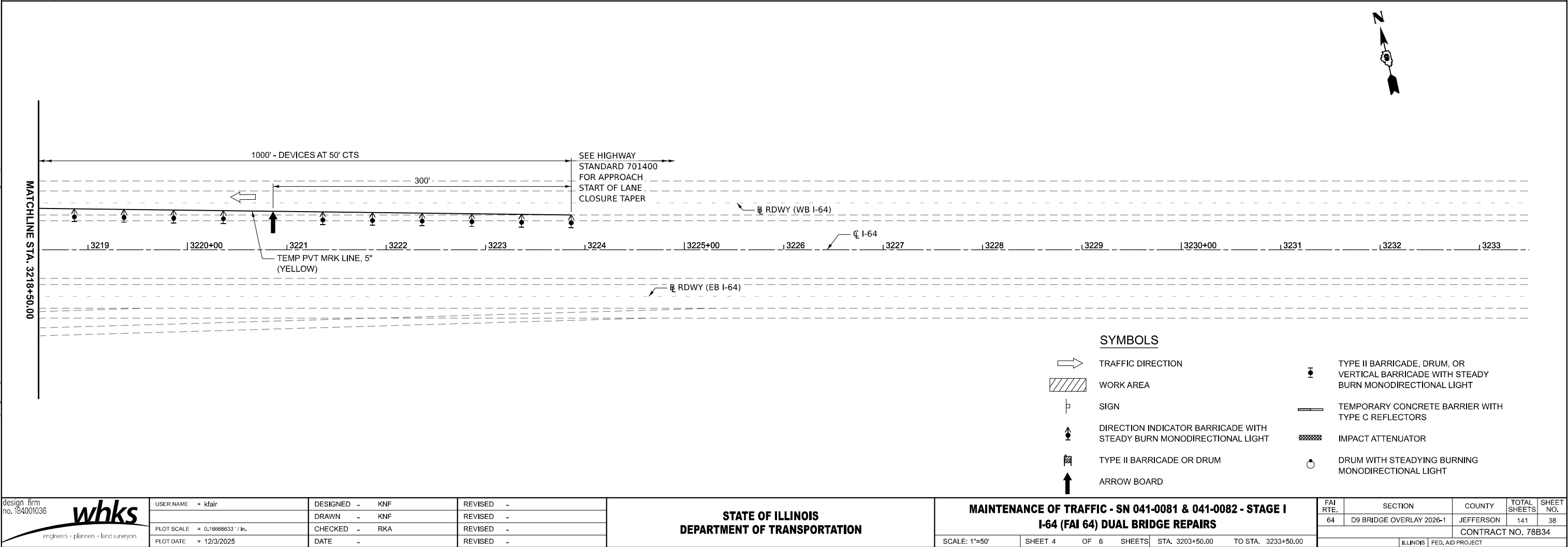
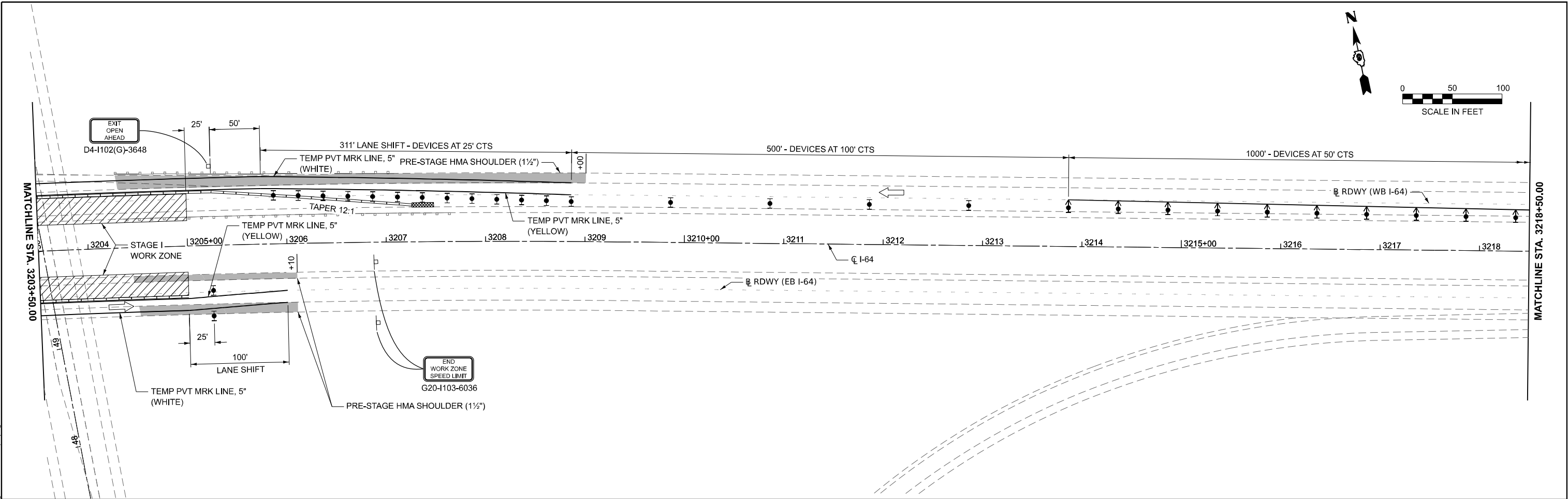
SCALE: 1"=5' SHEET 2 OF 6 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	36
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

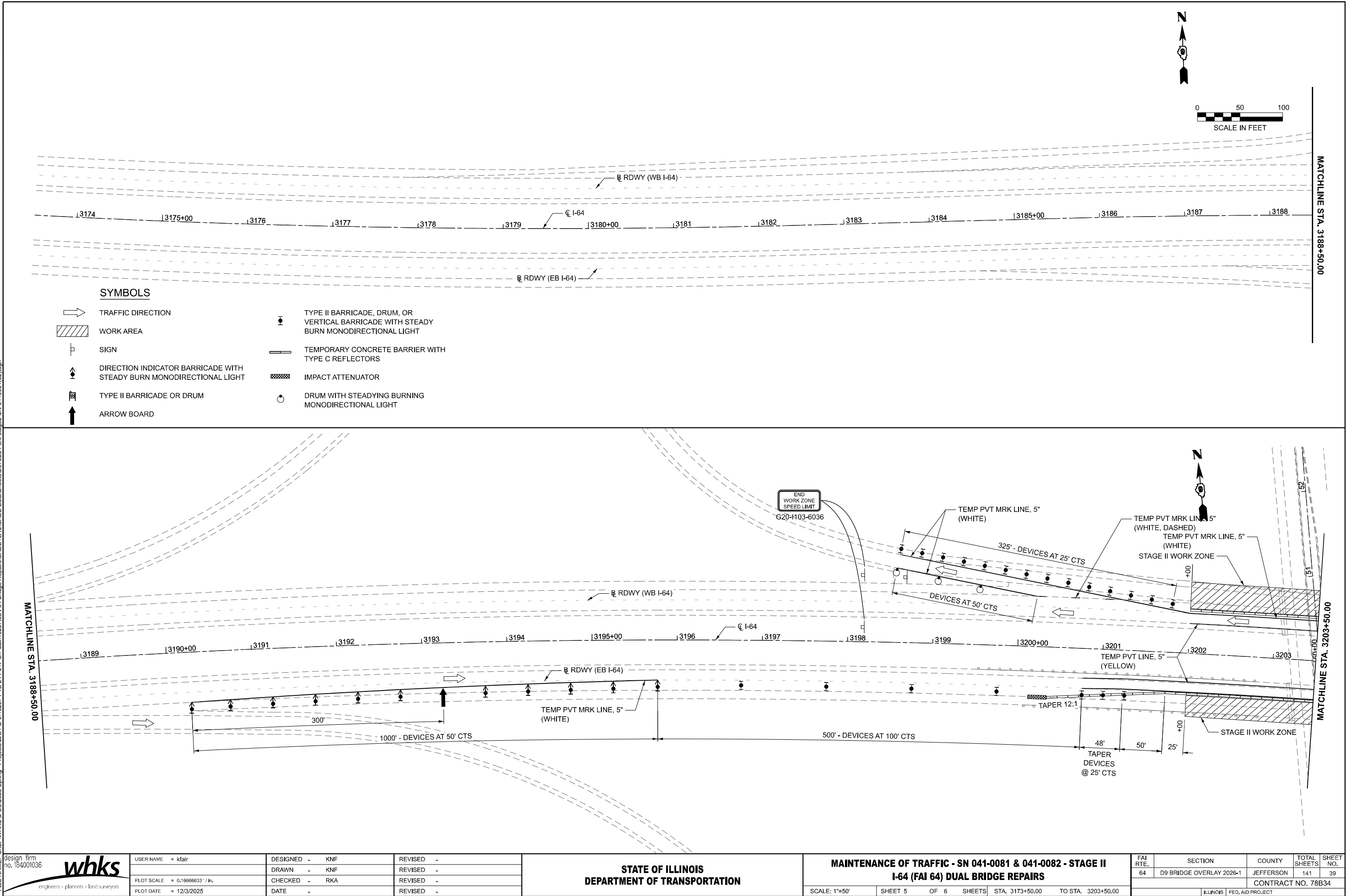
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MODEL: SN 0410081(82) Stage 1 Sheet 2 [Sheet]
FILE NAME: C:\SP\WHKS & COLLOBS-Spring - Projects\IDOT D-610257 PTB 214-047 On-Call\10257_03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shd-stage1-SN-0410081(82).dgn



MODEL: SN 0410081(82) Stage II Sheet 1 (Sheet)
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shd-stage2-SN-0410081(82).dgn



design firm
no. 184001036

whks

engineers + planners + land surveyors

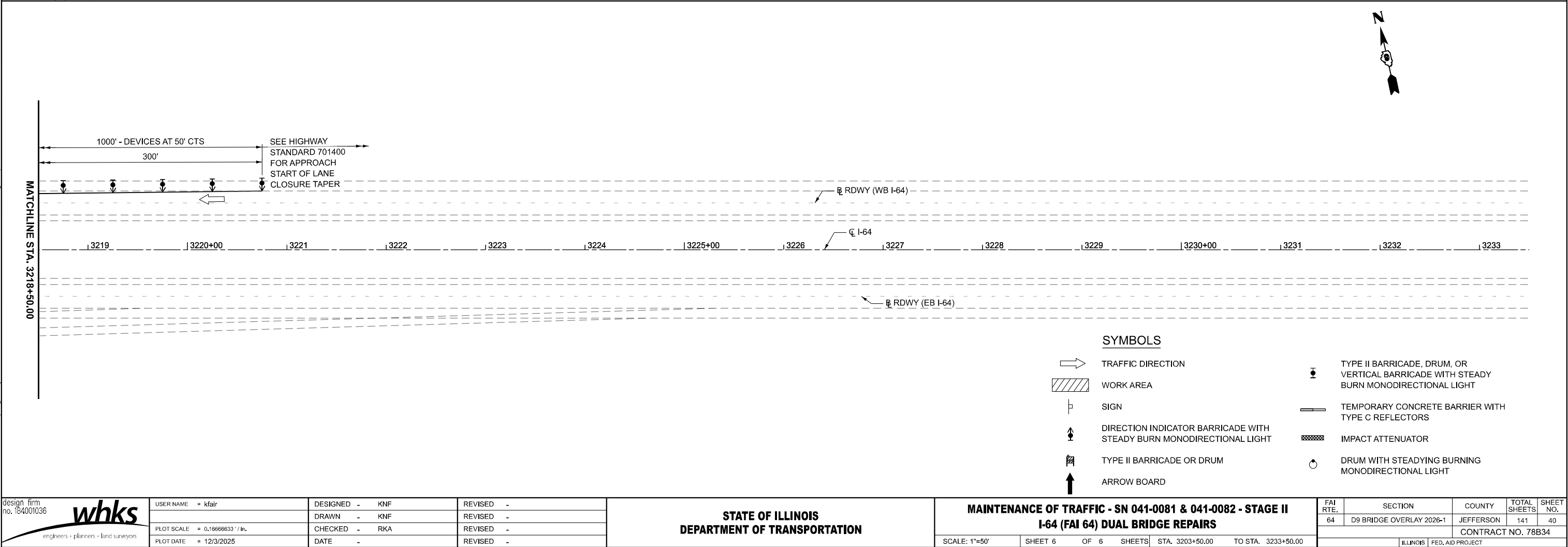
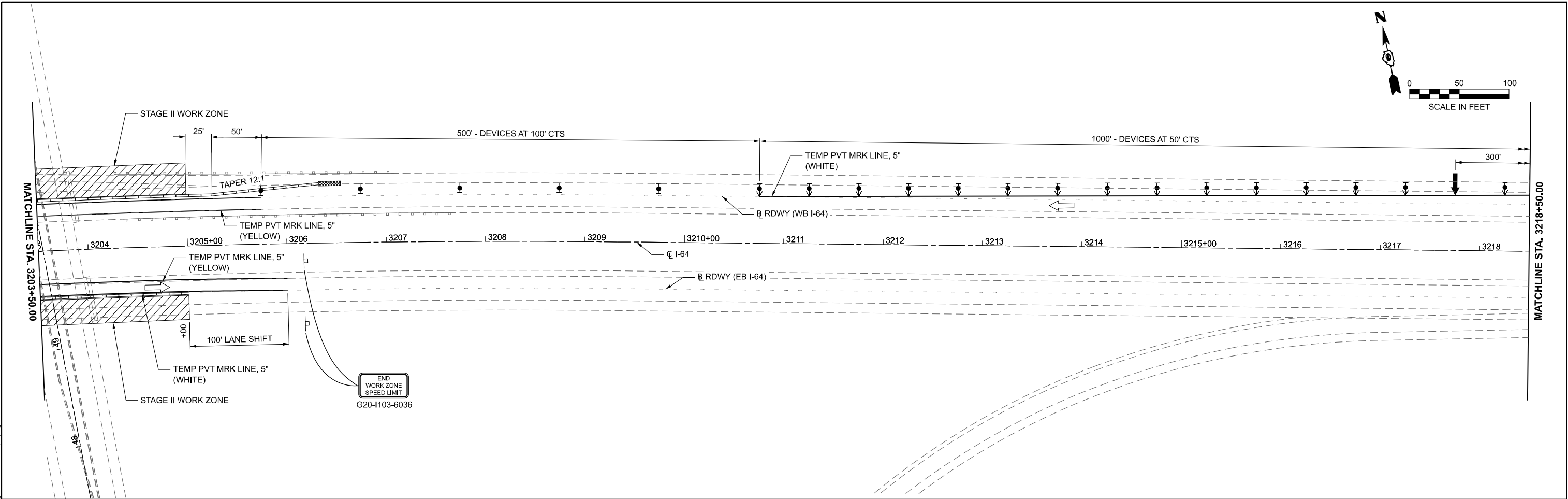
USER NAME = kfair	DESIGNED - KNF	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - SN 041-0081 & 041-0082 - STAGE II			
I-64 (FAI 64) DUAL BRIDGE REPAIRS			
SCALE: 1"=50'	SHEET 5	OF 6 SHEETS	STA. 3173+50.00 TO STA. 3203+50.00

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	39
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: SN 0410081(82) Stage II Sheet 2 (Sheet)
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-610257 PTB 214-047 On-Call\10257_03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\ID978B34-shd-stage2-SN-0410081(82).dgn



SYMBOLS

- TRAFFIC DIRECTION
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE OR DRUM
- ARROW BOARD
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- IMPACT ATTENUATOR
- DRUM WITH STEADYING BURNING MONODIRECTIONAL LIGHT

design firm
no. 184001036

whks

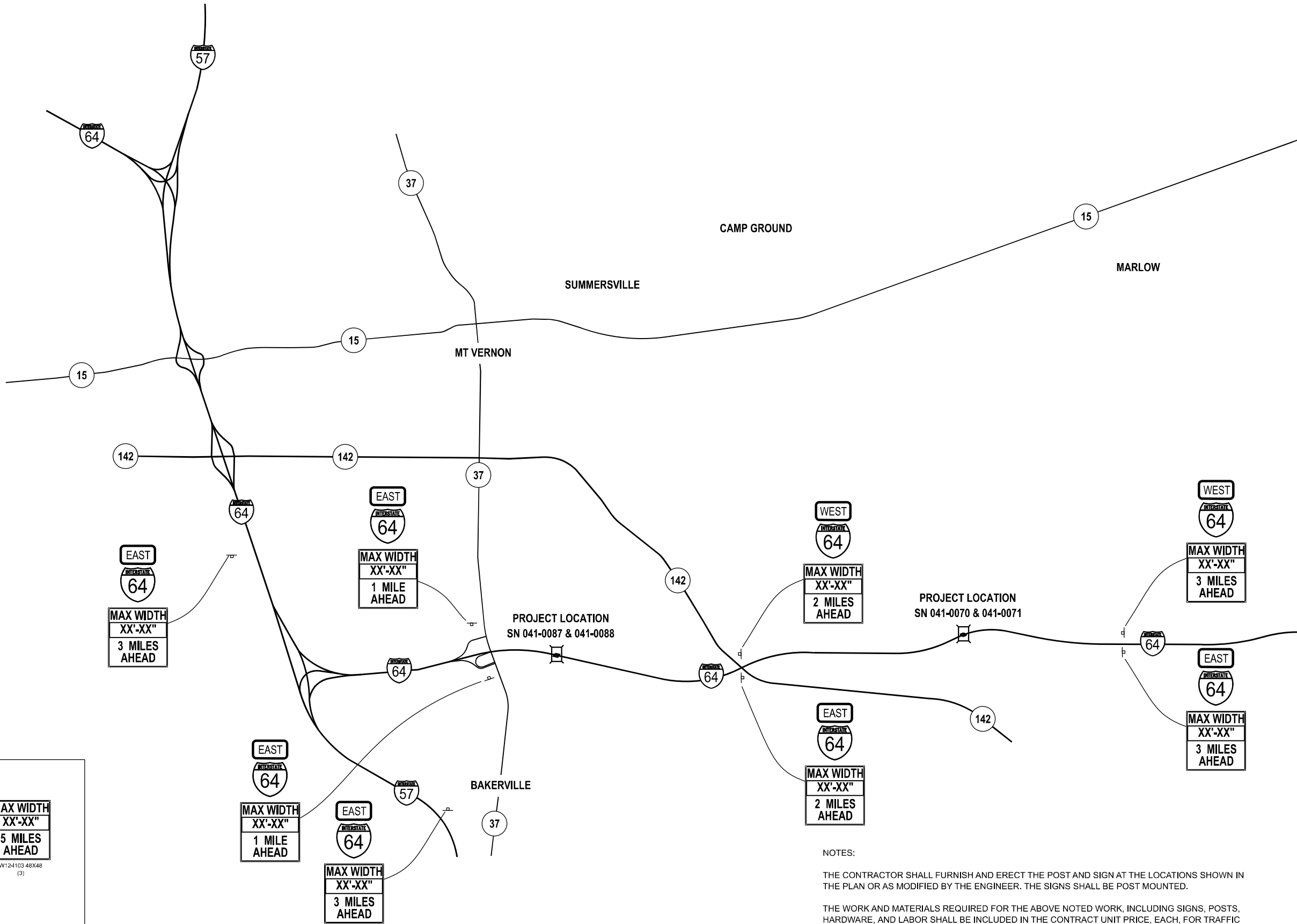
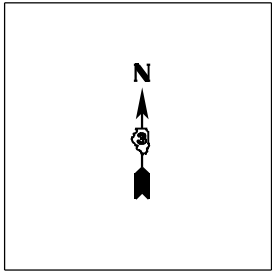
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USER NAME = kfair	DESIGNED - KNF	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - SN 041-0081 & 041-0082 - STAGE II					
I-64 (FAI 64) DUAL BRIDGE REPAIRS					
SCALE: 1"=50'	SHEET 6	OF 6	SHEETS	STA. 3203+50.00	TO STA. 3233+50.00

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	40
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				



STAGE	WIDTH REQUIRED
STAGE I	13 FT 10 IN
STAGE II	13 FT 10 IN

SIGNS REQUIRED

MAX WIDTH
XX'-XX"
1 MILE
AHEAD

W12-1103 48X48
(2)

MAX WIDTH
XX'-XX"
2 MILES
AHEAD

W12-1103 48X48
(2)

MAX WIDTH
XX'-XX"
3 MILES
AHEAD

W12-1103 48X48
(4)

MAX WIDTH
XX'-XX"
5 MILES
AHEAD

W12-1103 48X48
(3)

MAX WIDTH
XX'-XX"
16 MILES
AHEAD

W12-1103 48X48
(3)

M1-1 36X36
(14)

WEST

M3-4P 36X18
(8)

EAST

M3-2P 36X18
(6)

NOTES:

THE CONTRACTOR SHALL FURNISH AND ERECT THE POST AND SIGN AT THE LOCATIONS SHOWN IN THE PLAN OR AS MODIFIED BY THE ENGINEER. THE SIGNS SHALL BE POST MOUNTED.

THE WORK AND MATERIALS REQUIRED FOR THE ABOVE NOTED WORK, INCLUDING SIGNS, POSTS, HARDWARE, AND LABOR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE, EACH, FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 AND NO OTHER COMPENSATION WILL BE ALLOWED.

FOR WORK ON ALL STRUCTURES, THE WIDTH SHOWN ON THE W12-1103 SIGN SHALL BE AS SHOWN IN THE PLAN OR AS MODIFIED BY THE ENGINEER. THE "X" MILES AHEAD WILL BE AS SHOWN IN THE PLAN OR AS MODIFIED BUT THE ENGINEER.

MODEL: WidthRestr3 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-shd-staging-width-restr.dgn

USER NAME	= kfair	DESIGNED	- LNJ	REVISED	-
		DRAWN	- KNF	REVISED	-
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PLOT DATE	= 12/3/2025	DATE	-	REVISED	-

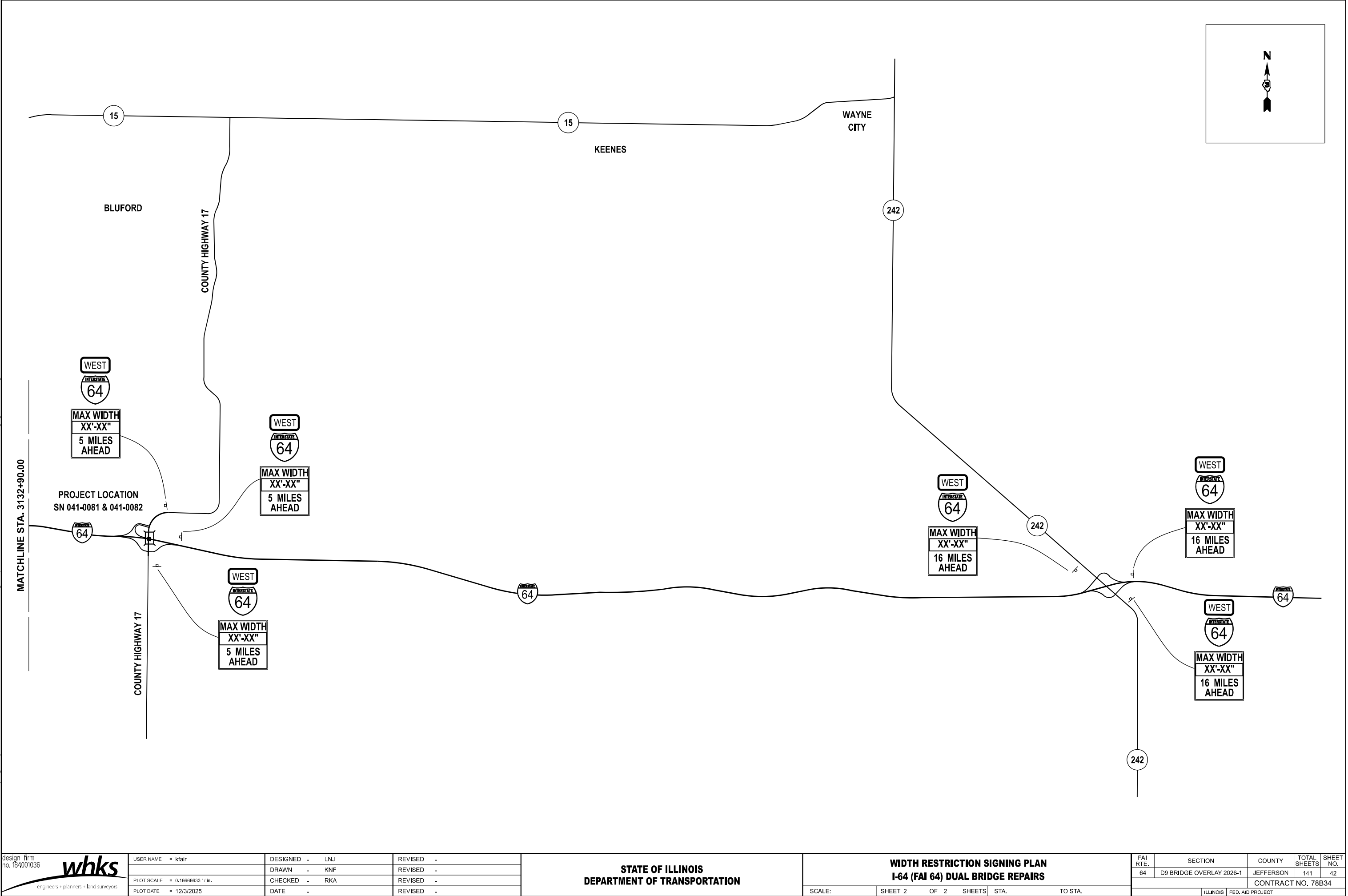
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING PLAN
I-64 (FAI 64) DUAL BRIDGE REPAIRS

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

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	41
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: WidthRestr.dgn
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-610257 PTB 214-047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Sheets\0978B34-shd-staging-width-restr.dgn



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engineers + planners + land surveyors

USER NAME = kfair	DESIGNED - LNJ	REVISED -
DRAWN - KNF	REVISED -	
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

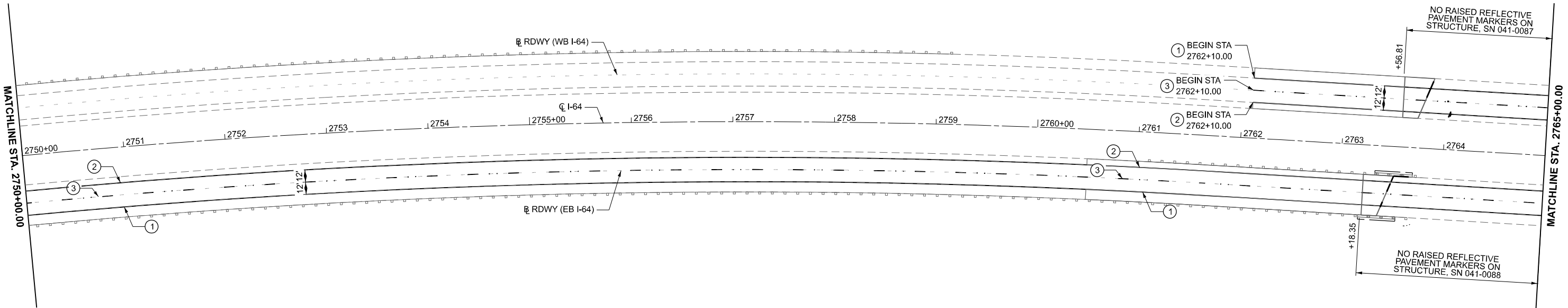
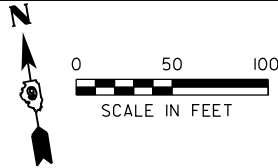
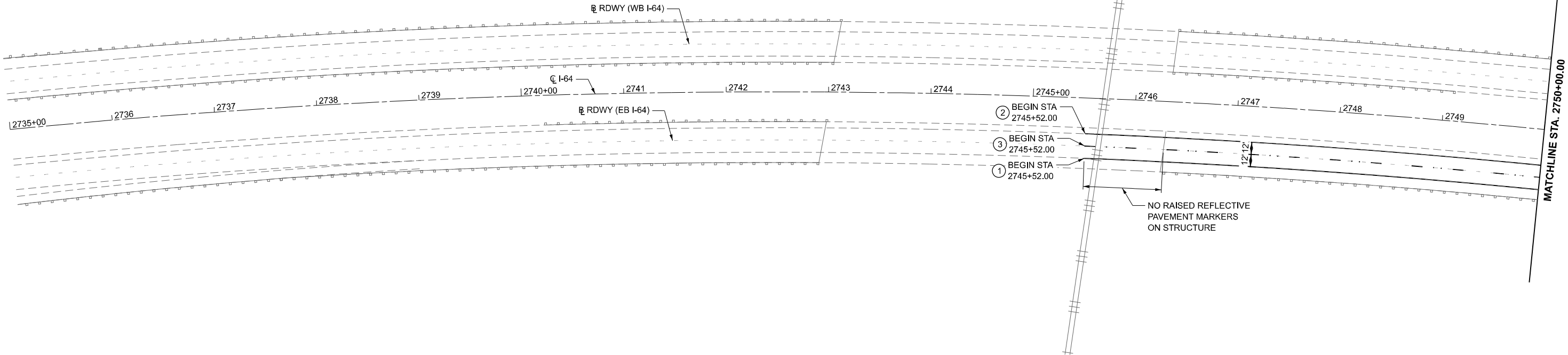
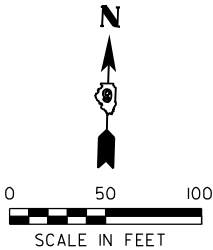
WIDTH RESTRICTION SIGNING PLAN
I-64 (FAI 64) DUAL BRIDGE REPAIRS

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

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	42
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- ①
- PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ②
- PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, YELLOW
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③
- PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SKIP-DASH (10 FT DASH; 30 FT GAP), WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
RAISED REFLECTIVE PAVEMENT MARKER, DOUBLE, 80' O.C.



MODEL: EXCL I64 0087 0088 - Plan 1 [Sheet]
FILE NAME: C:\SP\WHKS & COL\bs-Spring - Projects\IDOT D-610257 PTB 214-047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10 12\CADD Data\Sheets\0978B34-sh-homic-SN-0410087(88).dgn

design firm
no. 184001036

whks
engineers + planners + land surveyors

USER NAME = kfair	DESIGNED - LNJ	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

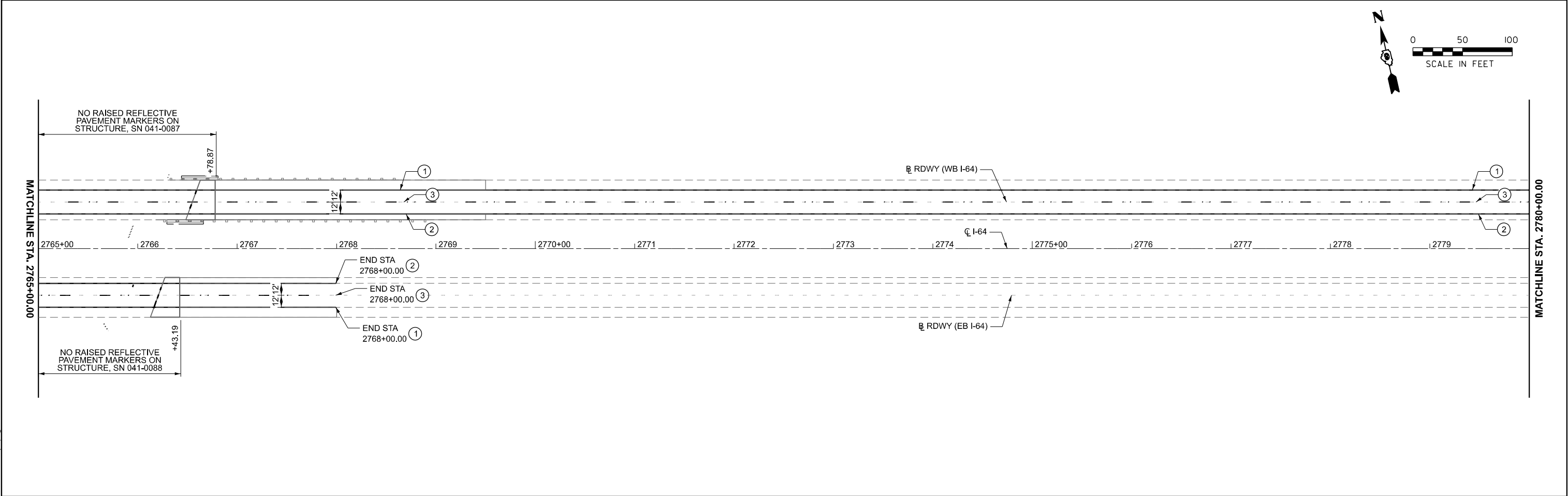
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN - SN 041-0087 & 041-0088
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 2735+00.00 TO STA. 2765+00.00

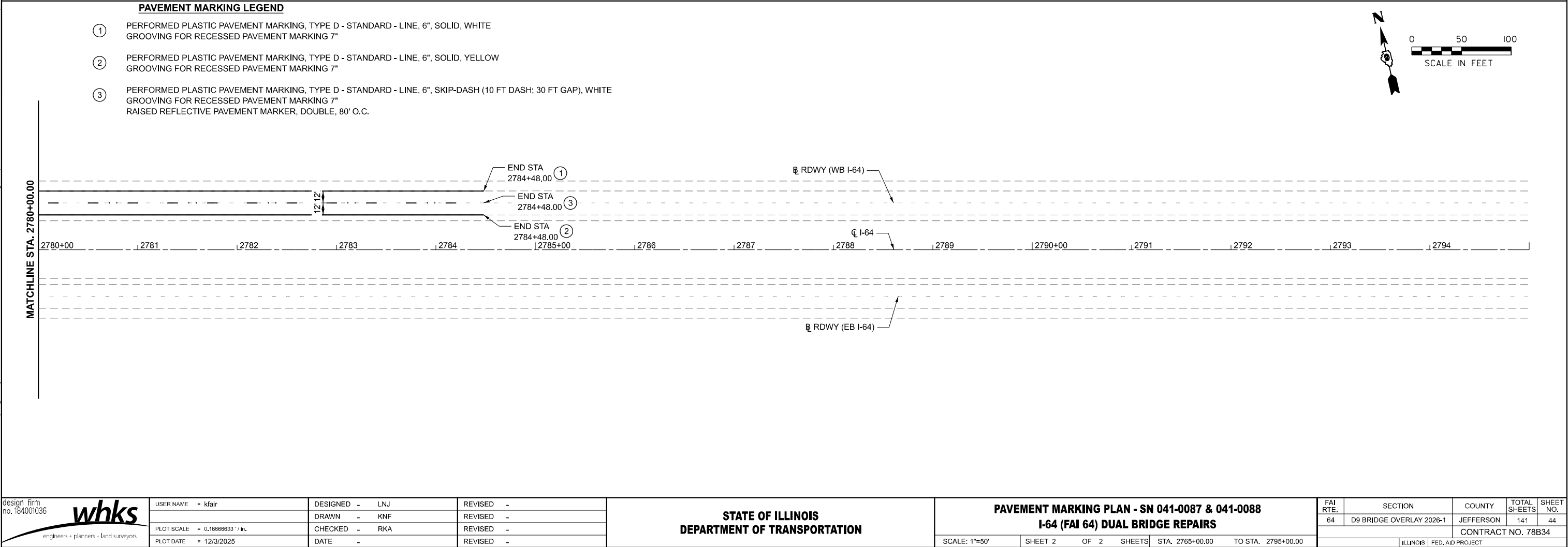
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	43
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

MODEL: EXCL I64 0087 0088 - Plan 3 [Sheet]
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PAVEMENT MARKING LEGEND

- ① PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ② PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, YELLOW
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SKIP-DASH (10 FT DASH; 30 FT GAP), WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
RAISED REFLECTIVE PAVEMENT MARKER, DOUBLE, 80' O.C.



USER NAME = kfair	DESIGNED - LNJ	REVISED -
DRAWN - KNF	REVISED -	
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	44
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

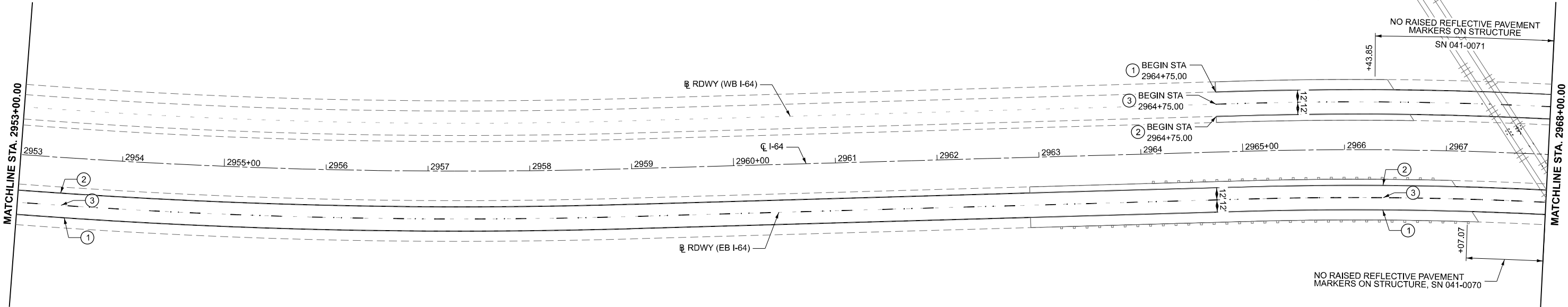
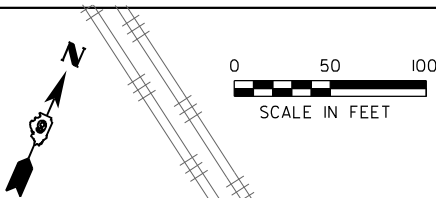
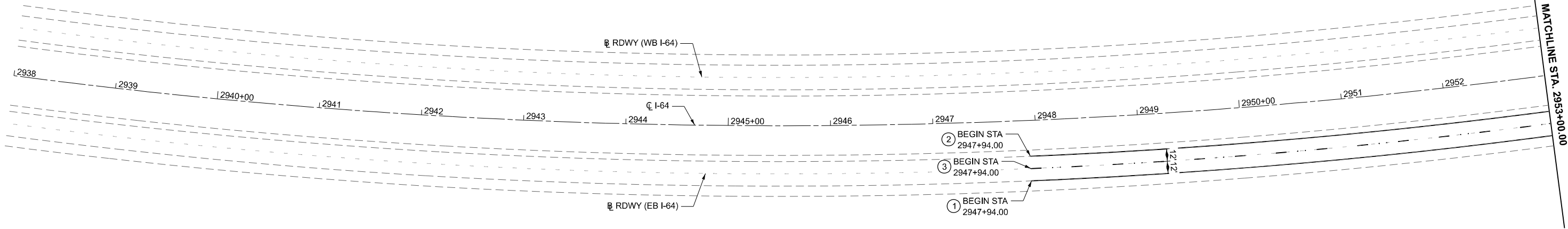
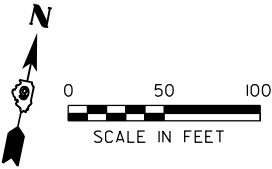
PAVEMENT MARKING LEGEND

- 1

PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- 2

PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, YELLOW
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- 3

PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SKIP-DASH (10 FT DASH; 30 FT GAP), WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
RAISED REFLECTIVE PAVEMENT MARKER, DOUBLE, 80' O.C.



MODEL: EXCL I64 0070 0071 - Plan 1 [Sheet]
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DRAWN	-	KNF	REVISED	-		
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PLOT DATE	= 12/3/2025	DATE	-		REVISED	-

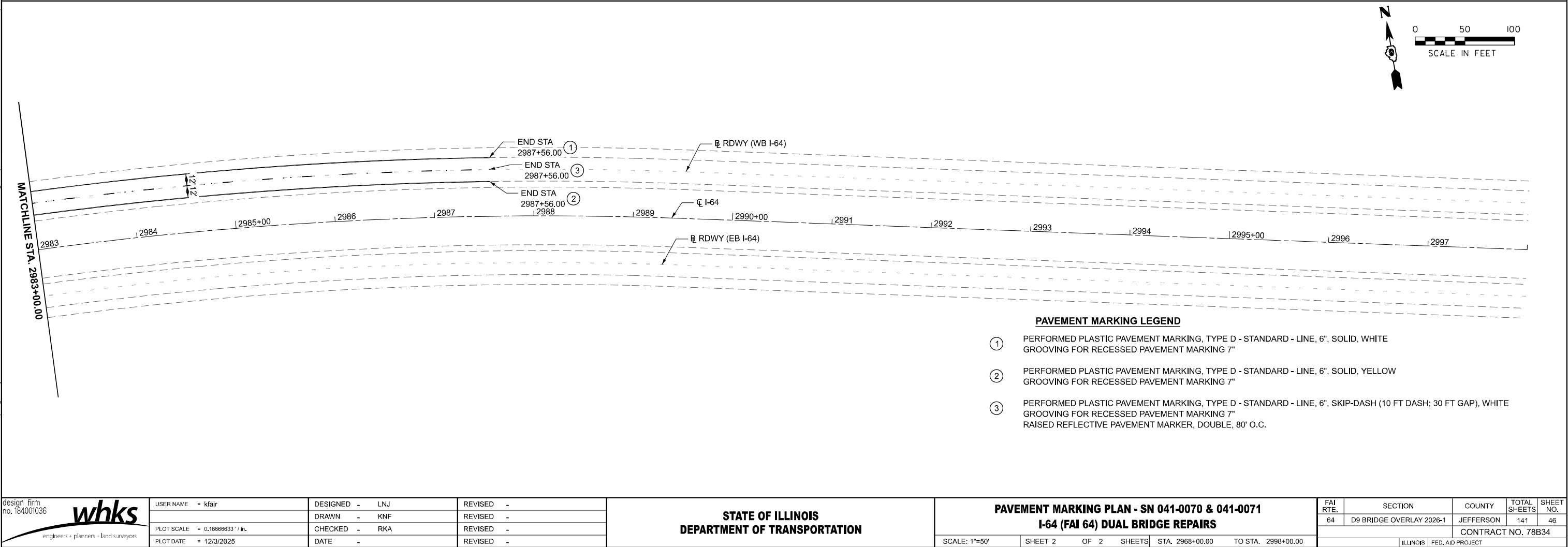
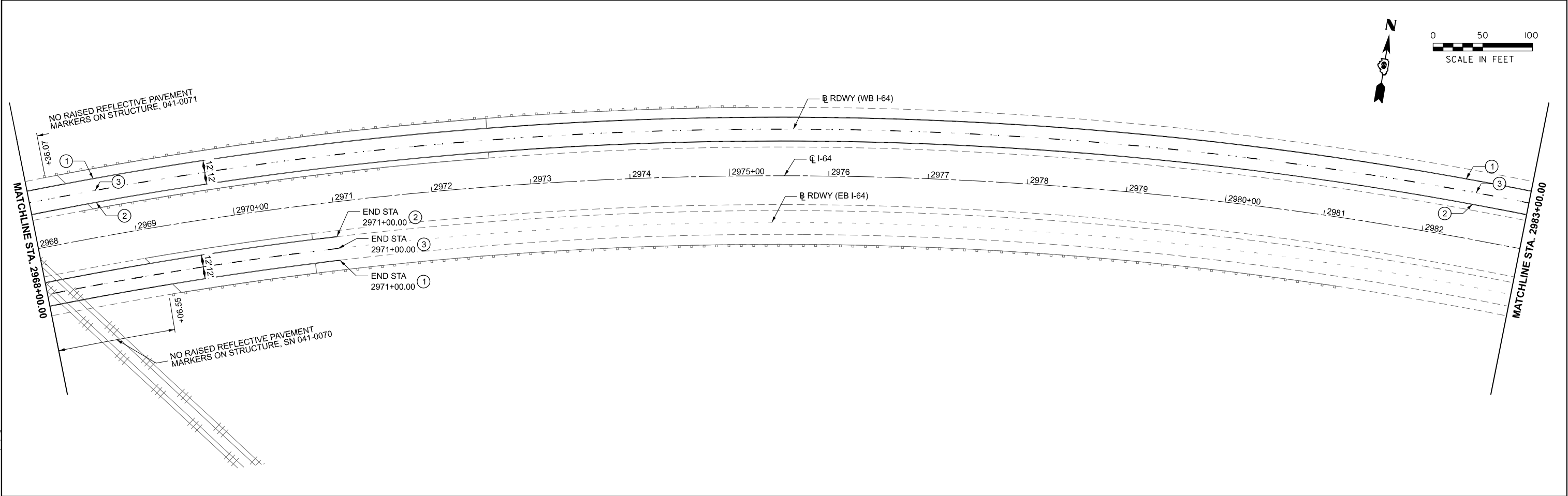
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN - SN 041-0070 & 041-0071
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 2938+00.00 TO STA. 2968+00.00

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	45
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING LEGEND

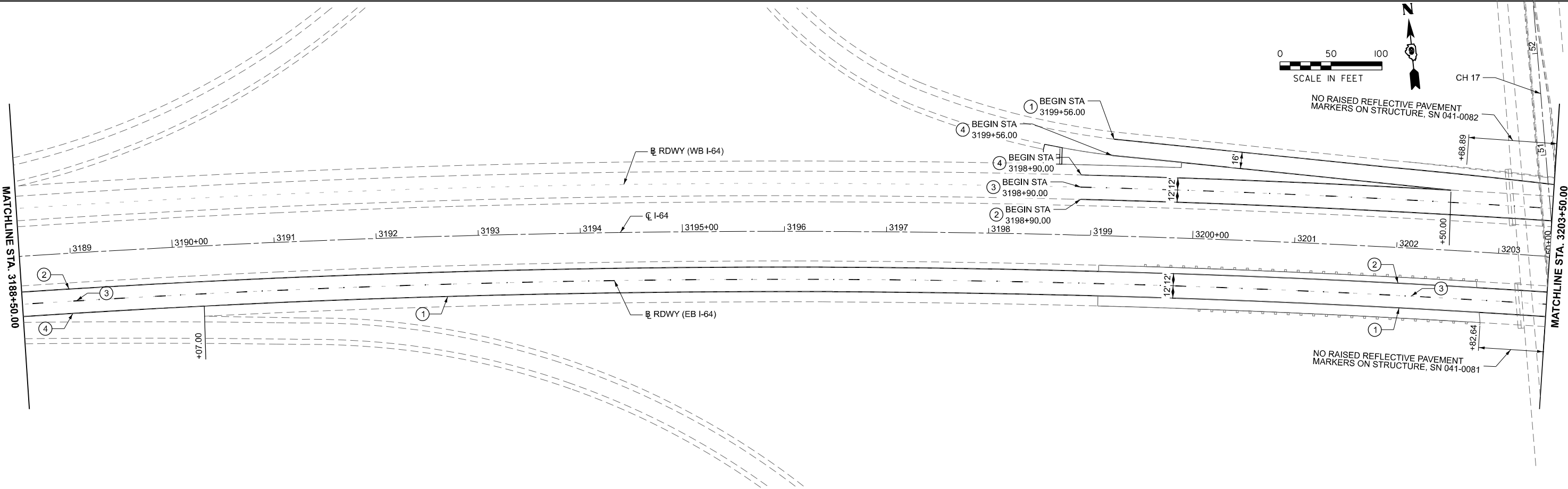
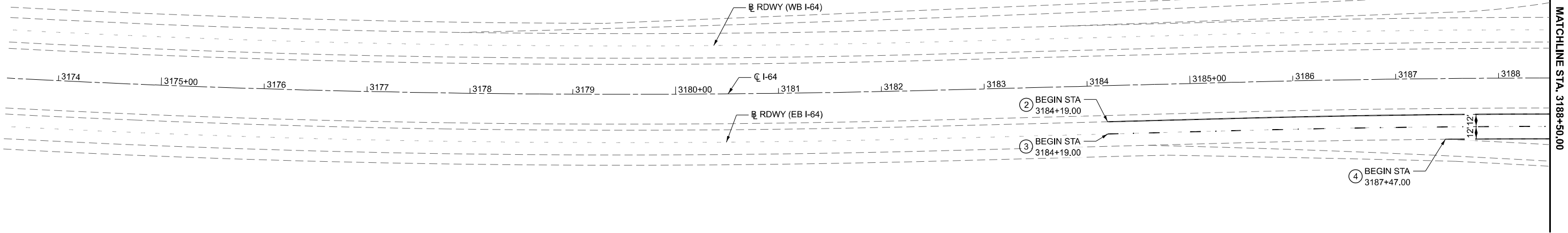
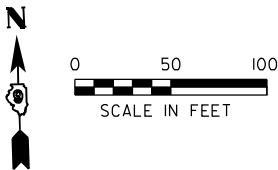
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PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- 2

PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SOLID, YELLOW
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- 3

PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 6", SKIP-DASH (10 FT DASH; 30 FT GAP), WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 7"
RAISED REFLECTIVE PAVEMENT MARKER, 80' O.C.
- 4

PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE, 8", SOLID, WHITE
GROOVING FOR RECESSED PAVEMENT MARKING 9"



MODEL: EXCL I64 0081 0082 - Plan 1 [Sheet]
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design firm
no. 184001036

whks
engineers + planners + land surveyors

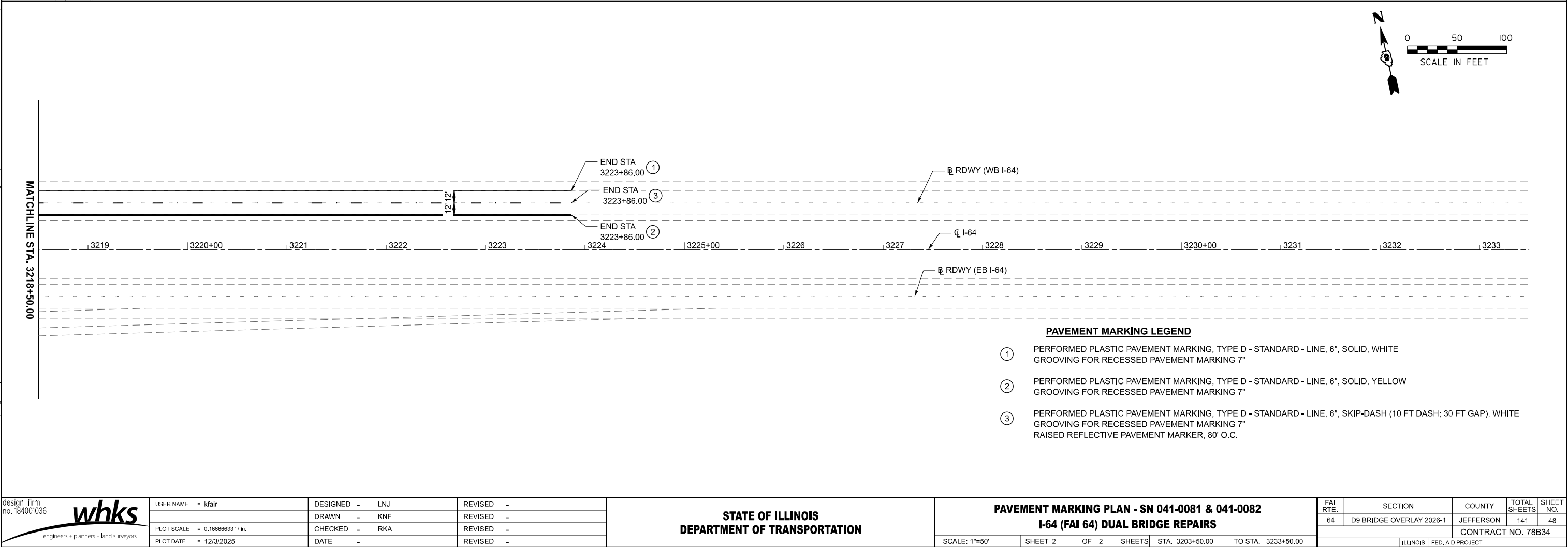
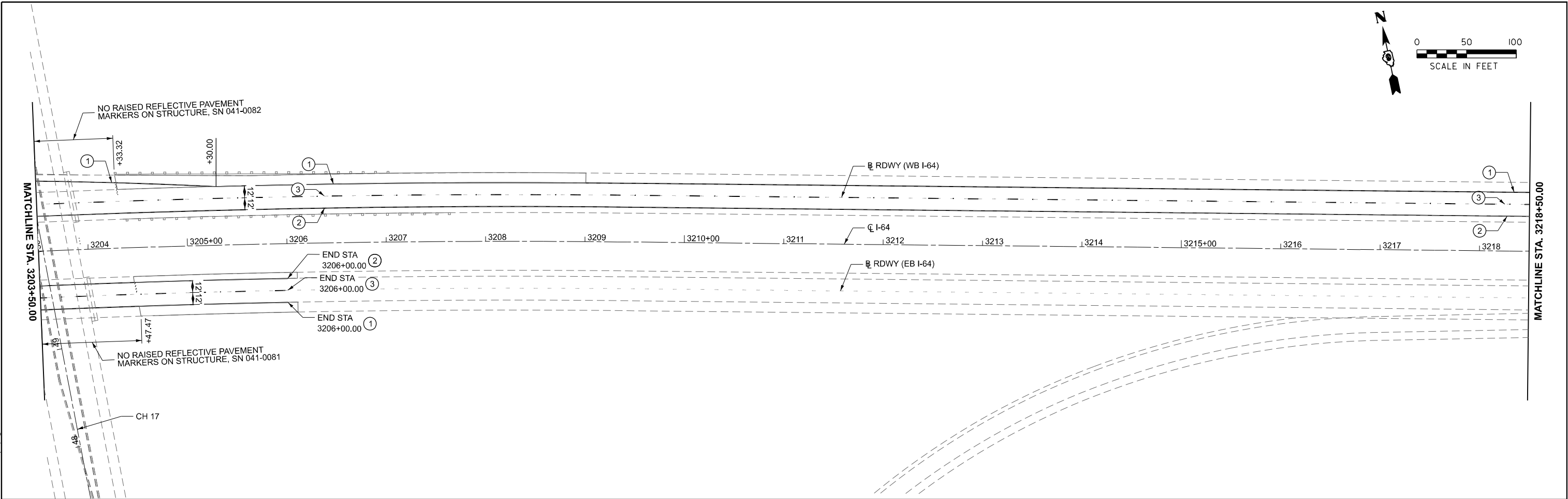
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	DRAWN - KNF	REVISED -
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PLOT DATE = 12/3/2025	DATE -	REVISED -

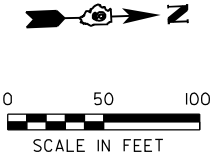
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN - SN 041-0081 & 041-0082			
I-64 (FAI 64) DUAL BRIDGE REPAIRS			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 3173+50.00 TO STA. 3203+50.00

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

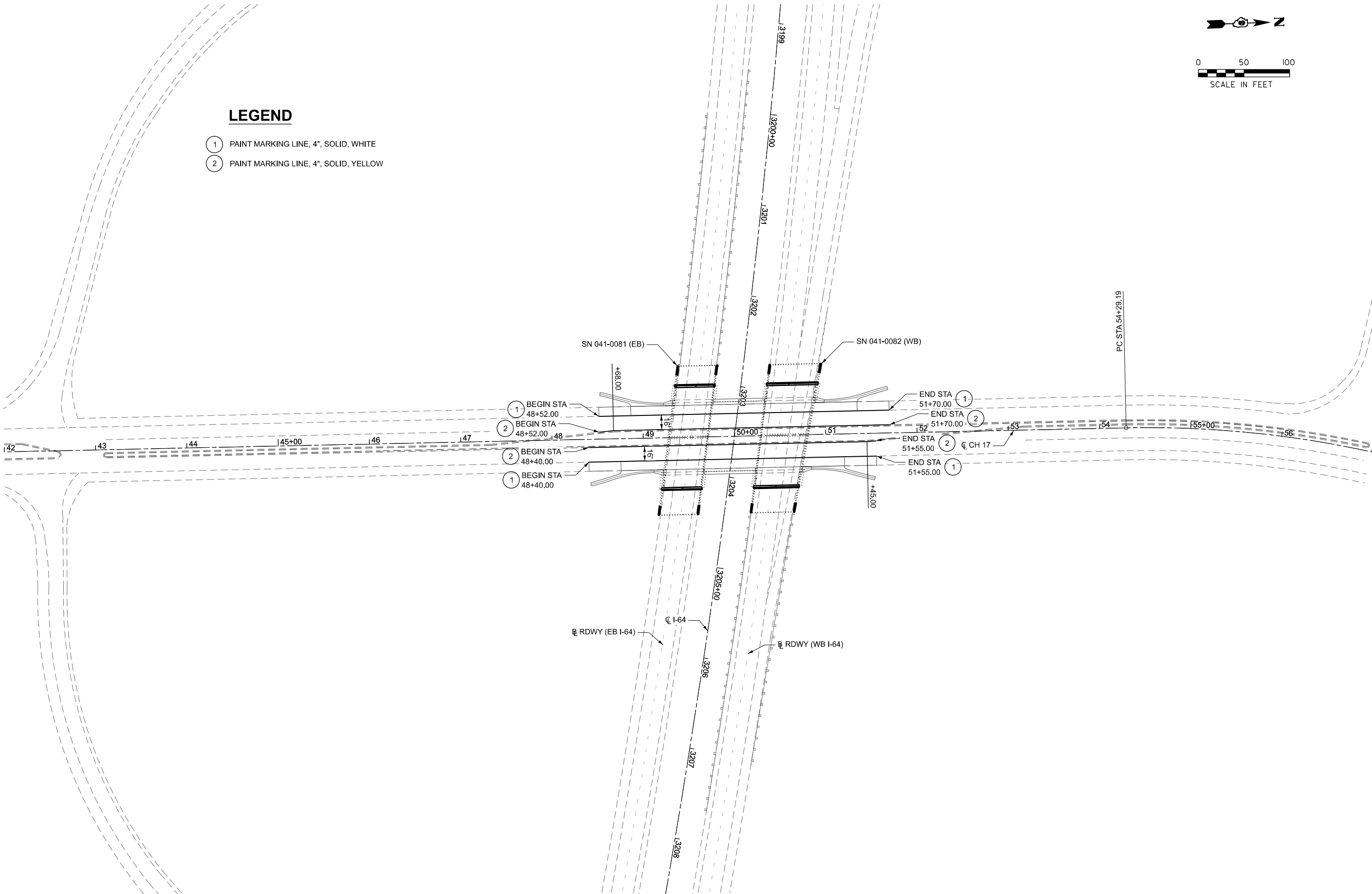
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LEGEND

- 1 PAINT MARKING LINE, 4", SOLID, WHITE
- 2 PAINT MARKING LINE, 4", SOLID, YELLOW



MODEL: EXCL_CH17 - Plan 1 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257_03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-shl-pmic-CH17.dgn

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	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

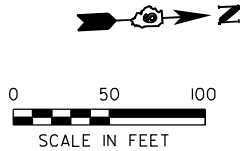
PAVEMENT MARKING PLAN - CH 17
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50'

SHEET 1 OF 1 SHEETS

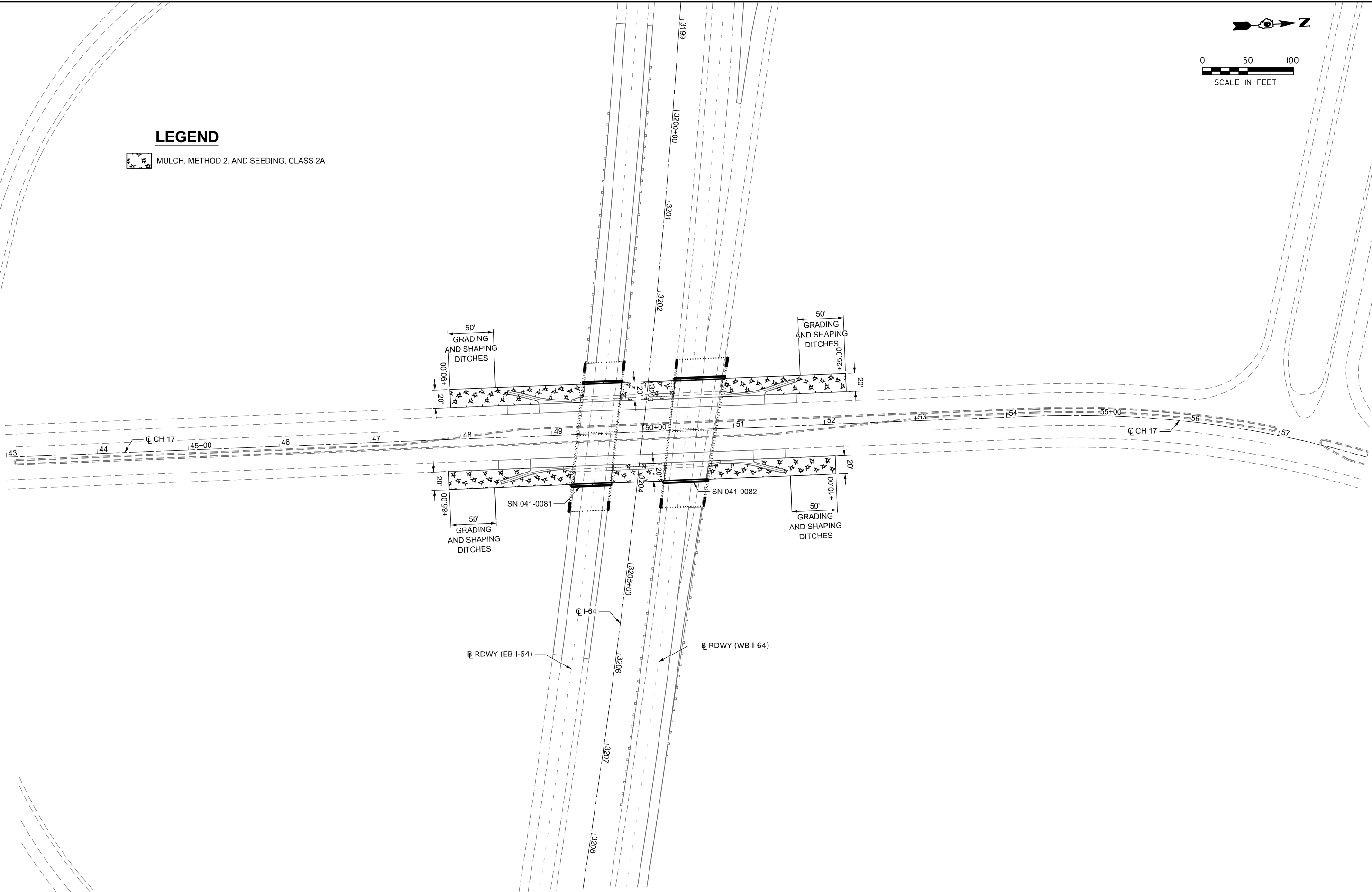
STA. 42+00.00 TO STA. 57+00.00

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	49
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				



LEGEND

 MULCH, METHOD 2, AND SEEDING, CLASS 2A



MODEL: EXCL_CH17 - Plan 1 [Sheet]
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-610257 PTB 214-047 On-Call\10257 03 I-64 Bridge Repairs\CADD\10_12\CADD Data\Sheets\0978B34-sh-eros.dgn

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USER NAME = kfair	DESIGNED - LNJ	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
I-64 (FAI 64) DUAL BRIDGE REPAIRS

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 43+00.00 TO STA. 58+00.00

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	50
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

Existing Structure: Structure Nos. 041-0087 and 041-0088 were built in 1972, F.A.I. 64, Section 41-8B-1. Each structure consists of a four span non-composite reinforced concrete deck with continuous steel wide flange beams. Substructure units consist of reinforced concrete stub abutments supported on steel H-piles and solid wall reinforced concrete piers on steel H-pile supported footings. Span lengths for each bridge are 48'-3", 57'-11", 57'-11", and 48'-3" respectively. The back-to-back of abutment dimension measures 217'-6" and the out-to-out dimension measures 42'-0". The structures are skewed 20° left forward. New elastomeric bearings were installed at the abutments in 2019. The structures were resurfaced with a 1 3/4" microsilica overlay in 2000. Traffic shall be maintained utilizing staged construction.

Salvage: No salvage.

DESIGN STRESSES

NEW CONSTRUCTION

f'c = 3,500 psi (Substructure Concrete)
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (AASHTO M-270, Gr. 36)

EXISTING CONSTRUCTION

f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)
fy = 36,000 psi (A-36 Structural Steel)

INDEX OF SHEETS

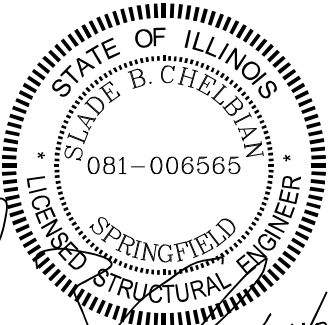
- General Plan and Elevation
- General Data
- Temporary Sheet Piling Details
- Temporary Concrete Barrier
- Concrete Removal Details
- Deck Repair Details
- Aluminum Railing, Type L
- Semi-Integral Abutment Conversion Details
- Approach Slab Details
- Bearing Details
- Slope Wall Repair Details
- Bar Splicer and Mechanical Splicer Assembly Details

DESIGN SPECIFICATIONS

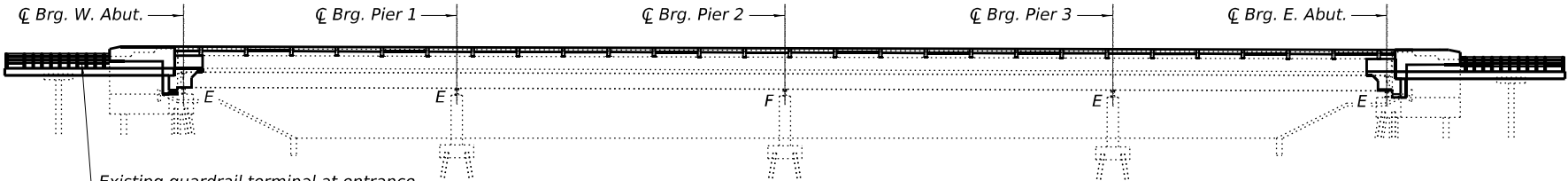
2002 Standard Specifications for Highway Bridges, 17th Edition
(New Construction Only)

SCOPE OF WORK

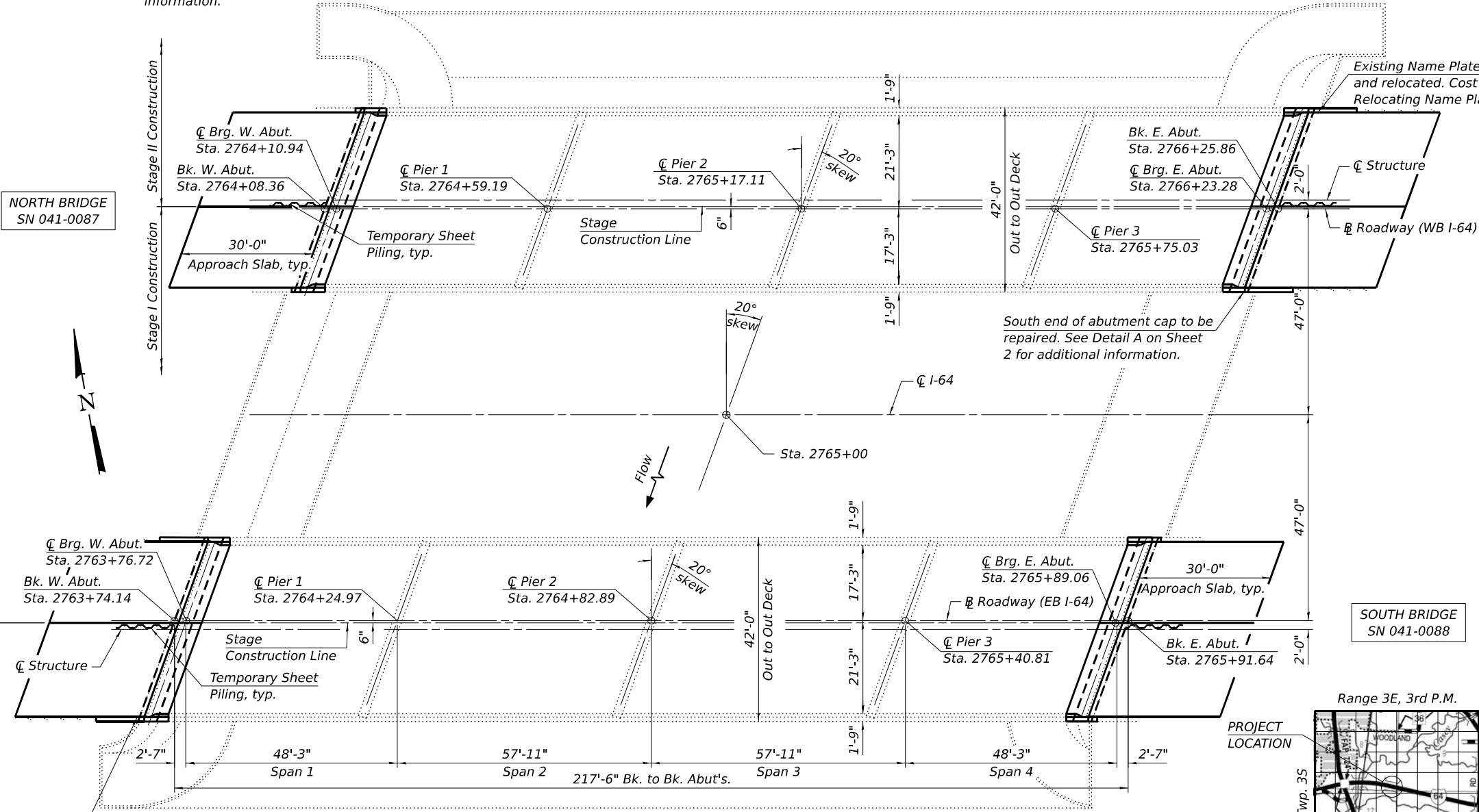
- Repair concrete deck.
- Replace existing floor drains with 6" Ø floor drains.
- Scarify deck 3" and replace with 3 1/4" Microsilica overlay.
- Remove and reconstruct portions of abutment, backwalls, and wingwalls to allow for semi-integral configuration.
- Remove and replace elastomeric bearings at abutments.
- Remove and replace approach slabs.
- Perform diamond grinding, bridge deck grooving, and apply protective coat.
- Remove and replace aluminum bridge railing and modify wing walls, as necessary.
- Fill void under slope wall at SN 041-0088.



GENERAL PLAN AND ELEVATION
I-64 OVER CASEY FORK OVERFLOW
F.A.I. 64 - SECTION D9 BRIDGE OVERLAY 2026-1
JEFFERSON COUNTY
STA. 2765+00
STRUCTURE NO. 041-0088 (E.B.)
STRUCTURE NO. 041-0087 (W.B.)



ELEVATION



PLAN



LOCATION SKETCH

design firm
no. 184001036

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USER NAME	=	jmontrey	DESIGNED	-	FWS / JLM	REVISED	-
CHECKED	-	SBC	CHECKED	-	SBC	REVISED	-
PLOT DATE	=		DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=		CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 1 OF 17 SHEETS

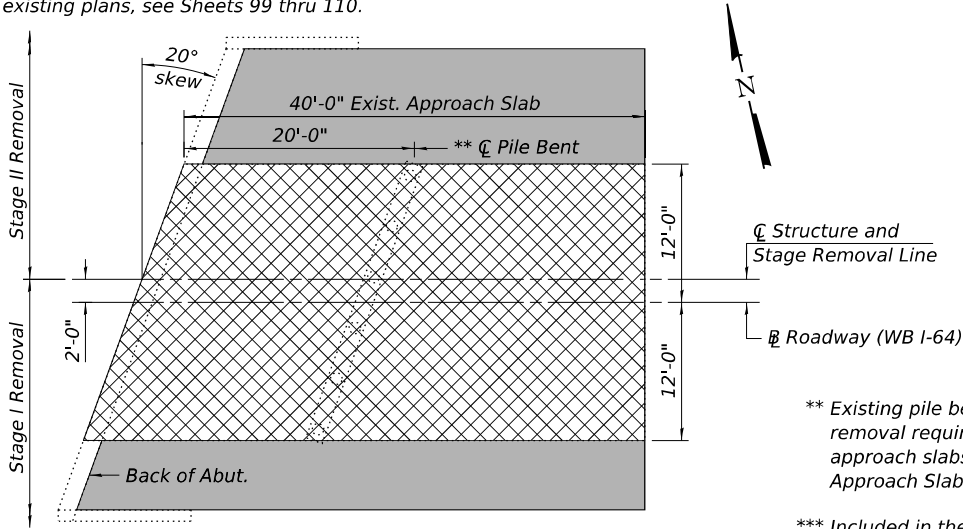
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	51
				CONTRACT NO. 78B34
				ILLINOIS FED. AID PROJECT

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-910257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10,12\CADD Data\Bridge\0410087-0088-D978B34.dgn

GENERAL NOTES

1. Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC - SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.

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.
3. No field welding is permitted except as specified in the contract documents.
4. All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
5. All new structural steel and bearing assemblies shall be hot-dip galvanized. See Special Provisions for "Hot Dip Galvanizing for Structural Steel".
6. Fasteners shall be ASTM F 3125 Grade A325 Type 1, hot-dip galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel." Bolts ¾ in. diameter, holes 13⁄16 in. diameter, unless otherwise noted.
7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
8. Reinforcement bars designated (E) shall be epoxy coated.
9. Prior to commencing approach slab removal, the Contractor shall survey the removal areas and adjacent remaining elements to establish a profile and cross slopes for the proposed approach slab. The profile and cross slopes shall result in a smooth transition between the proposed semi-integral abutment and existing roadway pavement. The profile shall be submitted to the Engineer for review and approval. Cost included with the associated work.
10. Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the contractor's expense.
11. The Contractor shall take appropriate measures to ensure that Protective Coat is not applied to the floor drains and drainage inlets.
12. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures", and the Standard Specifications. Cost included with Furnishing and Erecting Structural Steel.
13. Cleaning and painting of structural steel shall be done under a seperate painting contract.
14. Up to ¼" to be ground off the bridge deck and adjacent bridge approach slabs.
15. For abbreviated existing plans, see Sheets 99 thru 110.



APPROACH SLAB REMOVAL

(North bridge, East approach slab shown; West approach slab similar by 180°)
(South bridge similar, stage removal line similar by 180°)

LEGEND

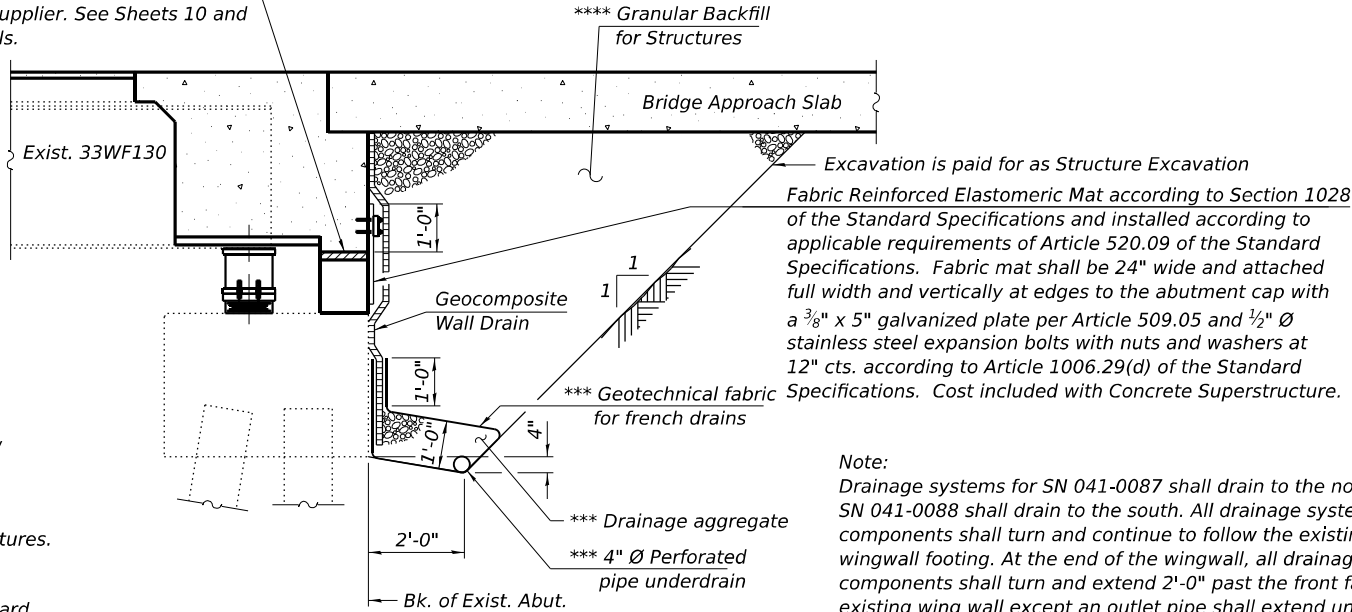
- Approach Slab Removal
- Shoulder Removal. See Roadway Plans.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	34.1	42.0	76.1
Bridge Rail Removal	Foot	857		857
Structure Excavation	Cu. Yd.		243	243
Floor Drains	Each	56		56
Concrete Structures	Cu. Yd.		67.2	67.2
Concrete Superstructure	Cu. Yd.	92.8		92.8
Protective Coat	Sq. Yd.	2,676		2,676
Concrete Superstructure (Approach Slab)	Cu. Yd.	220		220
Furnishing and Erecting Structural Steel	Pound	4,360		4,360
Reinforcement Bars, Epoxy Coated	Pound	92,890	10,570	103,460
Bar Splicers	Each	484	176	660
Aluminum Railing, Type L	Foot	861		861
Elastomeric Bearing Assembly, Type I	Each	24		24
Anchor Bolts, ¾"	Each	96		96
Temporary Sheet Piling	Sq. Ft.		570	570
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	31		31
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	85		85
Bridge Deck Scarification 3"	Sq. Yd.	1,791		1,791
* Bridge Deck Microsilica Concrete Overlay 3¼"	Sq. Yd.	1,791		1,791
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		2	2
Granular Backfill for Structures	Cu. Yd.		250	250
Geocomposite Wall Drain	Sq. Yd.		204	204
Pipe Underdrains for Structures 4"	Foot		227	227
Jack and Remove Existing Bearings	Each	24		24
Approach Slab Removal	Sq. Yd.	473		473
Diamond Grinding (Bridge Section)	Sq. Yd.	2,112		2,112
Relocating Name Plates	Each	2		2
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,458		1,458
Bar Terminators	Each	636		636
Slope Wall Slurry Pumping	Cu. Yd.		5.9	5.9

* Synthetic Fibers shall be added to the Microsilica Overlay. Cost included with Bridge Deck Microsilica Overlay 3¼".

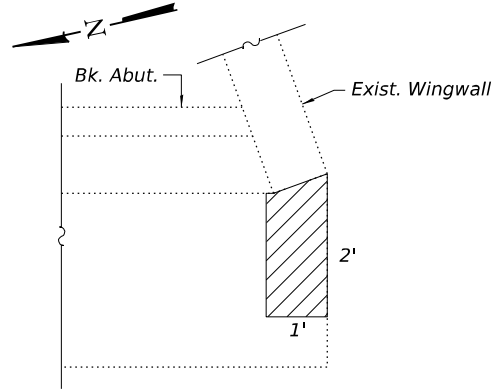
2" PJF (per Article 1051.09 of the Standard Specifications) full width and along edges bonded to the abutment with suitable adhesive as recommended by supplier. See Sheets 10 and 11 for additional details.



Note:
Drainage systems for SN 041-0087 shall drain to the north, and SN 041-0088 shall drain to the south. All drainage system components shall turn and continue to follow the existing wingwall footing. At the end of the wingwall, all drainage system components shall turn and extend 2'-0" past the front face of the existing wing wall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101). The excavation and drainage aggregate for this work shall be included in the cost for Pipe Underdrains for Structures.

SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. at Rt. L's)



DETAIL A

(North Bridge - SN 041-0087)
(Partial Plan - East Abutment Cap - South End)

LEGEND

- Structural Repair of Concrete (Depth equal to or less than 5 inches)

design firm
no. 184001036



USER NAME	=	jmontrey	DESIGNED	-	FWS / JLM	REVISED	-
			CHECKED	-	SBC	REVISED	-
PLOT DATE	=		DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=		CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 2 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	52
		CONTRACT NO. 78B34		
		ILLINOIS FED. AID PROJECT		

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design firm
no. 184001036



USER NAME	=	jmontrey	DESIGNED	-	FWS / JLM	REVISED	-
			CHECKED	-	SBC	REVISED	-
PLOT DATE	=		DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=		CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

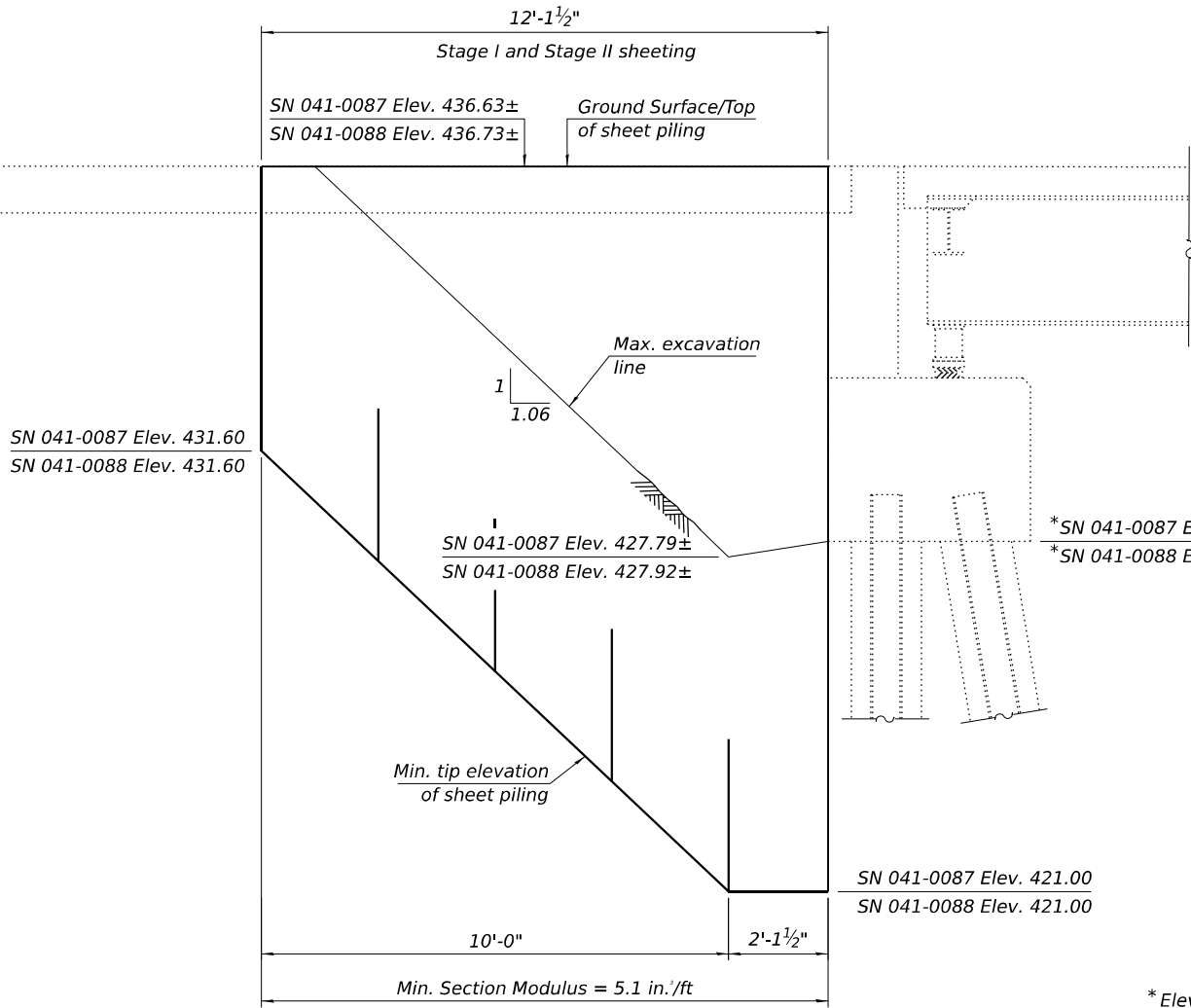
TEMPORARY SHEET PILING DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 3 OF 17 SHEETS

BILL OF MATERIAL

Item	Unit	Total
Temporary Sheet Piling	Sq. Ft.	570

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	53
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

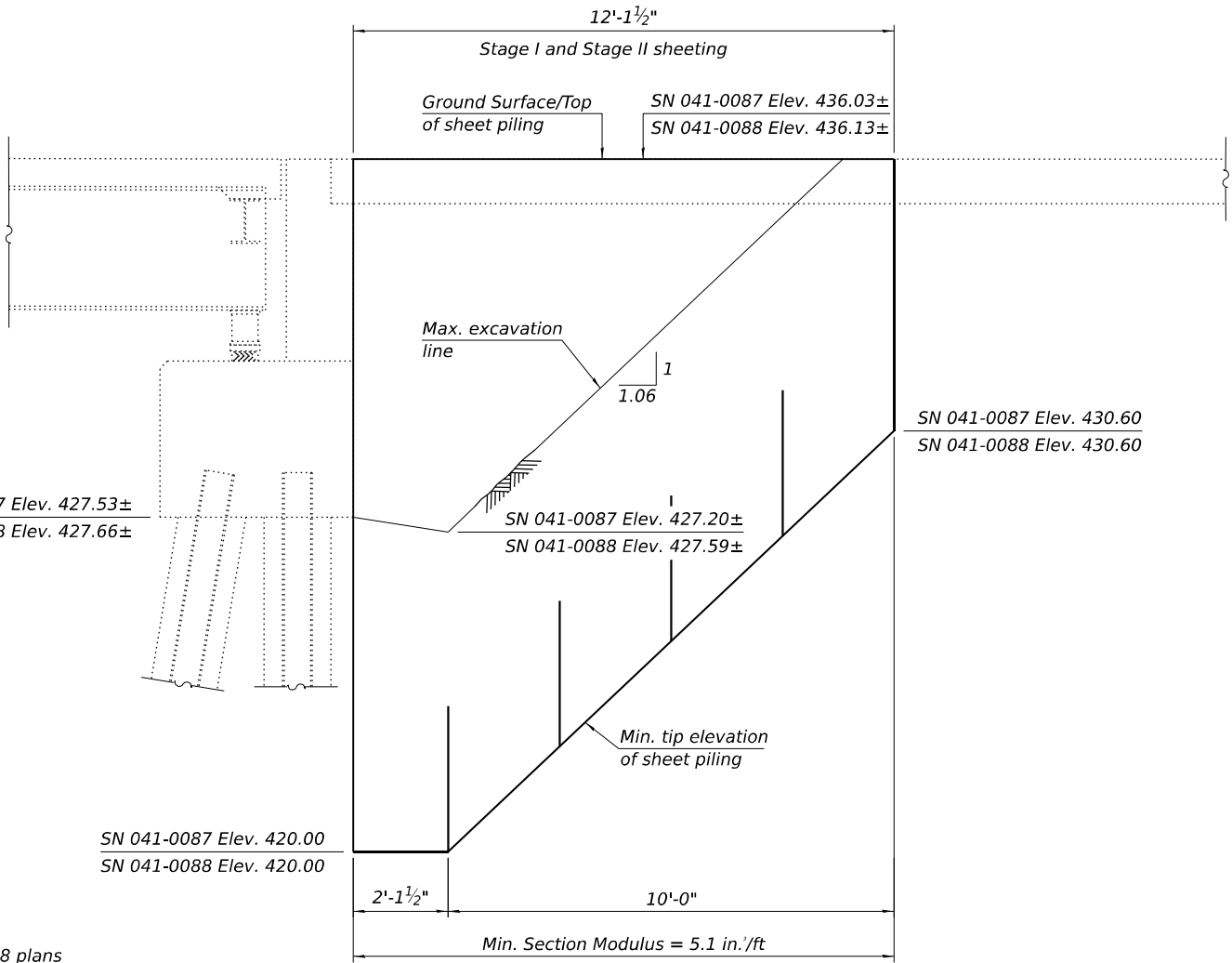


TEMPORARY SHEET PILING AT WEST ABUTMENT

(Dimensions are parallel to $\perp$ structure.)

*SN 041-0087 Elev. 428.12±
*SN 041-0088 Elev. 428.25±

* Elevations taken from the original 1968 plans



TEMPORARY SHEET PILING AT EAST ABUTMENT

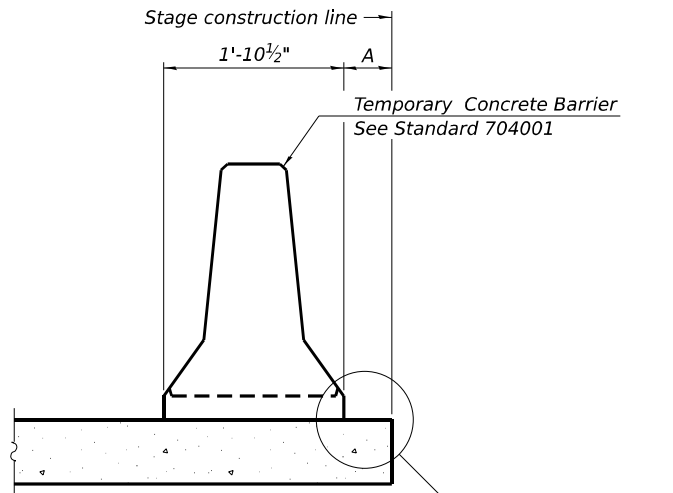
(Dimensions are parallel to $\perp$ structure.)

*SN 041-0087 Elev. 427.53±
*SN 041-0088 Elev. 427.66±

Notes:

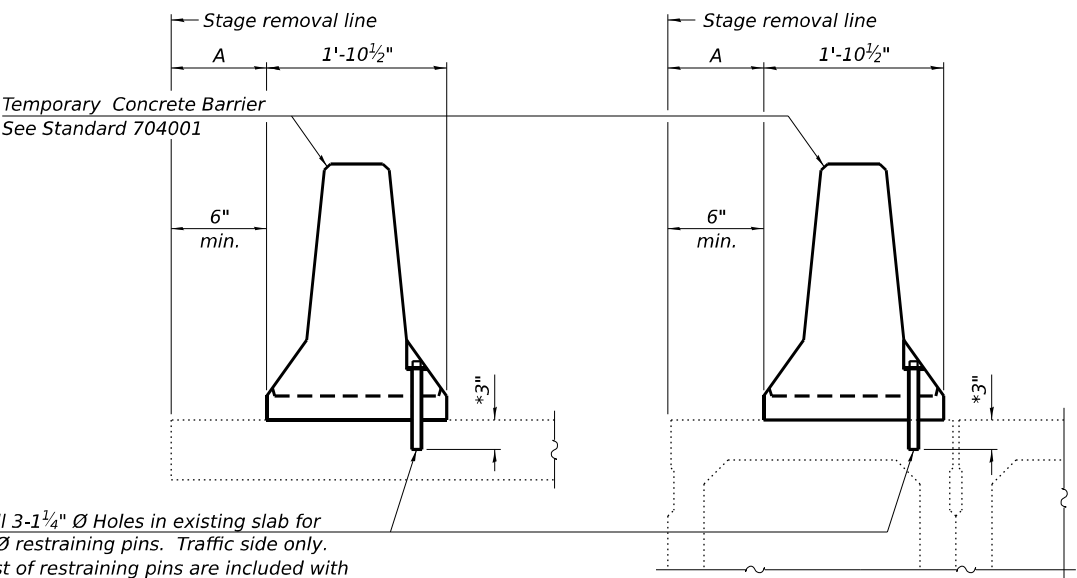
- If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
- The temporary sheet piling design assumes soil properties with a minimum $Q_u = 1.0$ tsf within the embedment depth. Contractor shall field verify soil properties within the embedment depth of the sheet piling. The Bureau of Bridges and Structures shall be contacted for further disposition if the soil properties are less than the minimum design assumptions. Cost included with Temporary Sheet Piling.
- Payment for Temporary Sheet Piling is measured from the pavement to the minimum tip elevation.

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\MDOT D-810257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410087-0088-D978B34.dgn



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

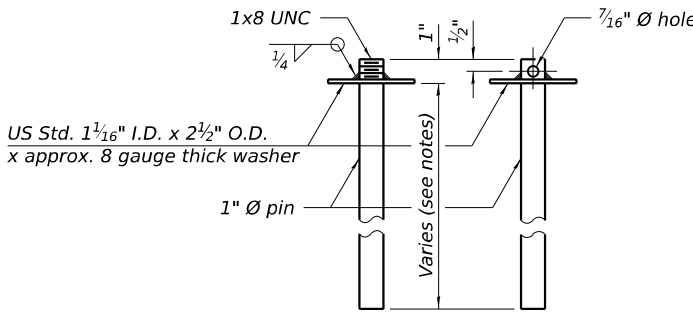
NEW SLAB OR NEW DECK BEAM



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

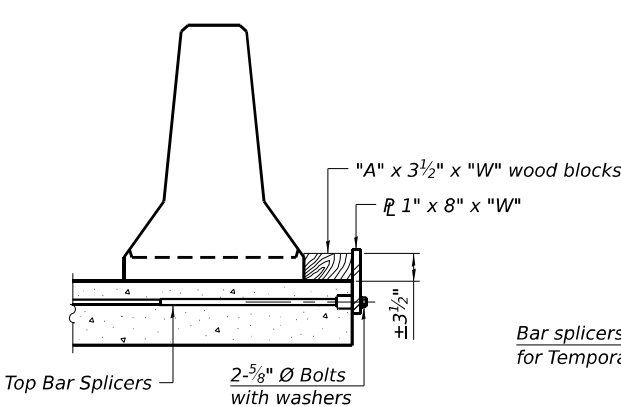
EXISTING SLAB

EXISTING DECK BEAM

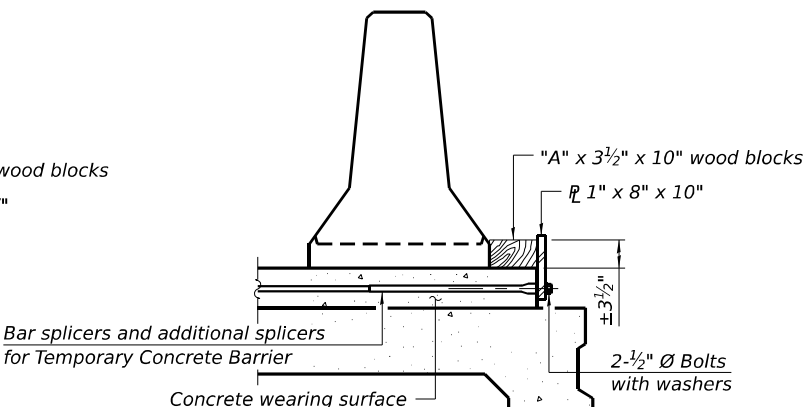


RESTRAINING PIN

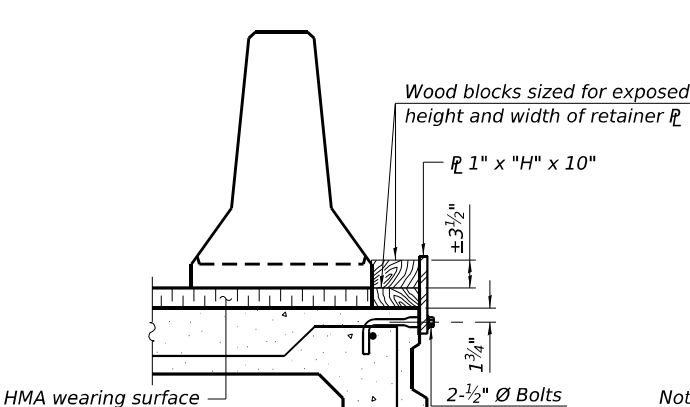
SECTIONS THRU SLAB OR DECK BEAM



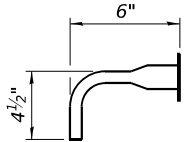
DETAIL I



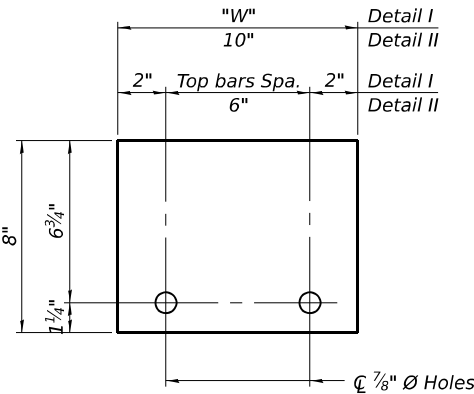
DETAIL II



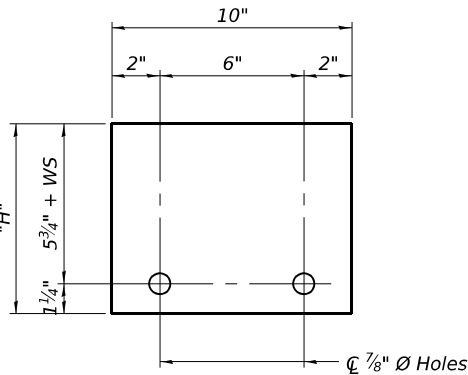
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

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

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

RAILING CRITERIA	
NCHRP 350 Test Level	3
Railing Weight (plf)	440
R-27	

5-15-2023



USER NAME	= jmontrey	DESIGNED	- FWS / JLM	REVISED	-
CHECKED	- SBC	CHECKED	- SBC	REVISED	-
PLOT DATE	=	DRAWN	- DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

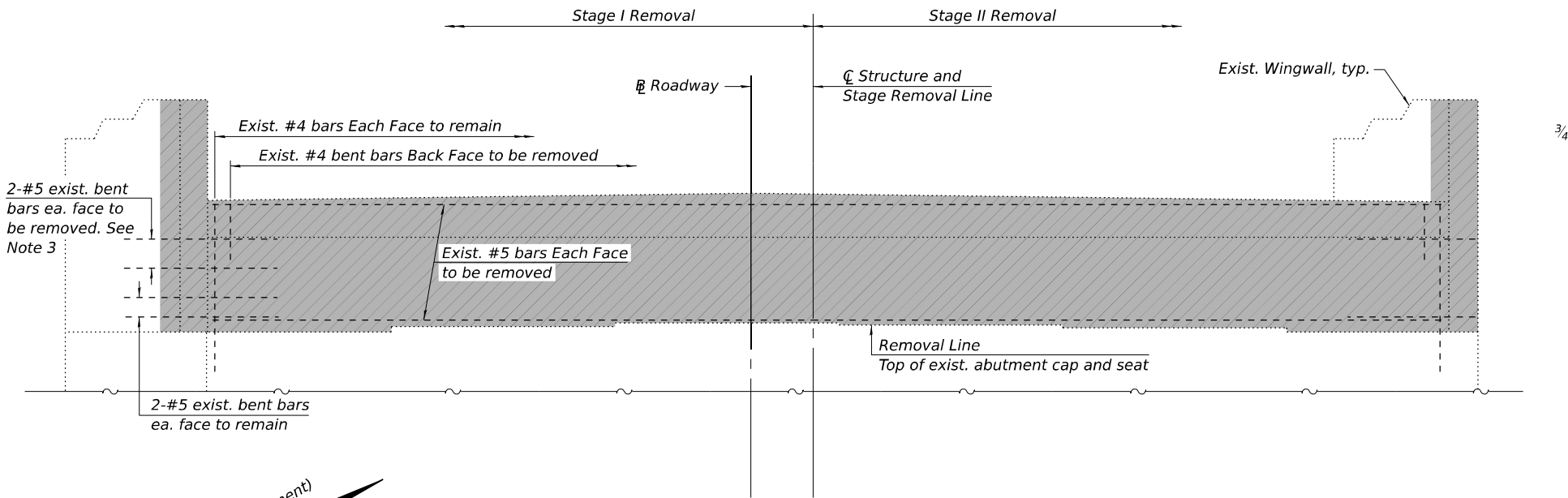
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 4 OF 17 SHEETS

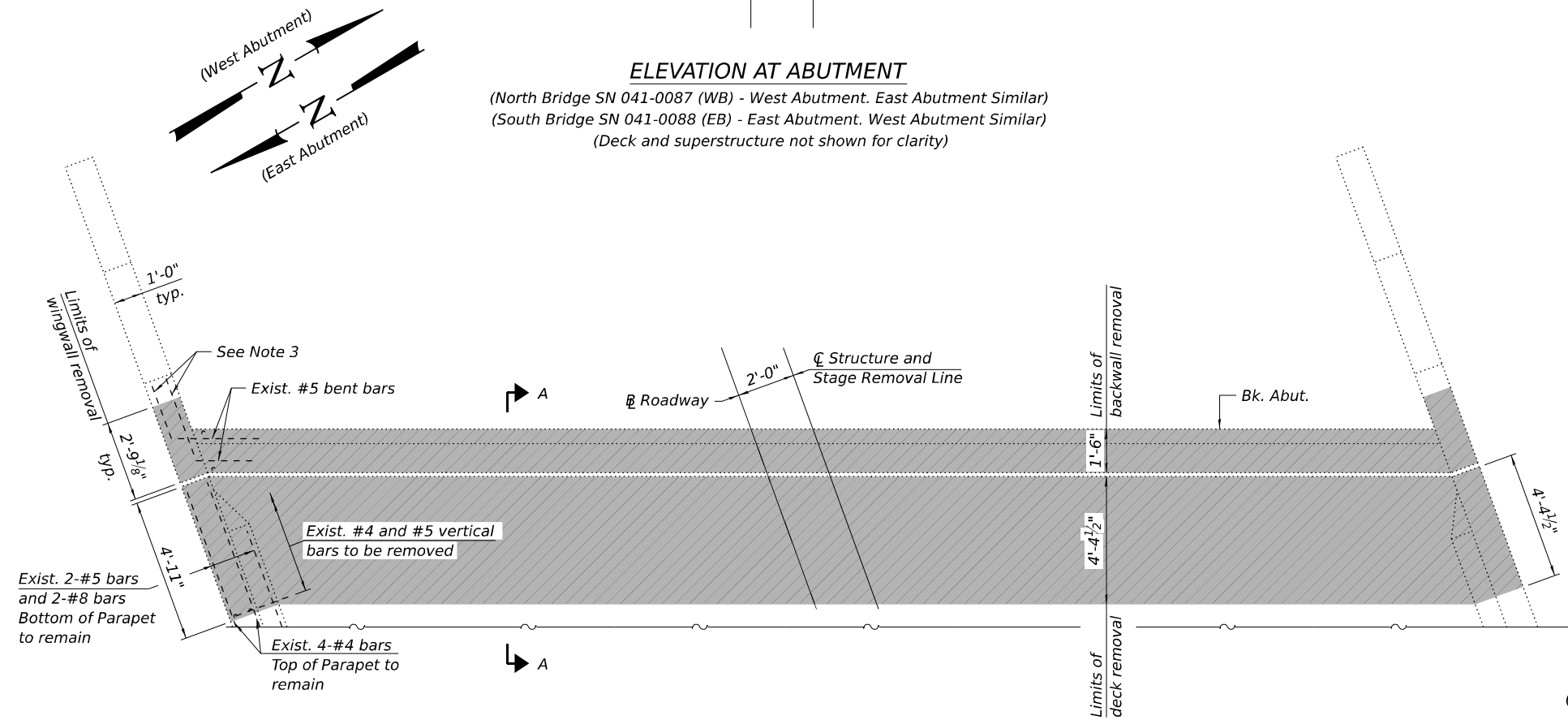
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	54
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT-D-310257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410087-0088-D978B34.dgn



ELEVATION AT ABUTMENT

(North Bridge SN 041-0087 (WB) - West Abutment. East Abutment Similar)
(South Bridge SN 041-0088 (EB) - East Abutment. West Abutment Similar)
(Deck and superstructure not shown for clarity)

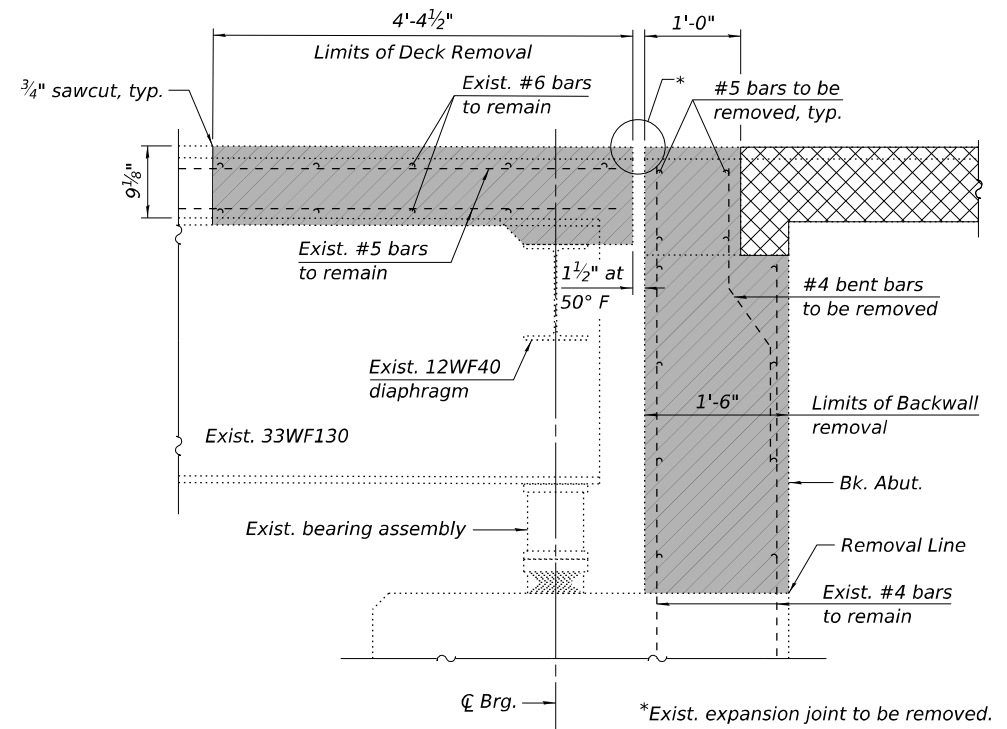


PARTIAL PLAN AT TOP OF DECK

(North Bridge SN 041-0087 (WB) - West End of Deck. East End of Deck Similar)
(South Bridge SN 041-0088 (EB) - East End of Deck. West End of Deck Similar)
(Approach slab and shoulder removal not shown for clarity)

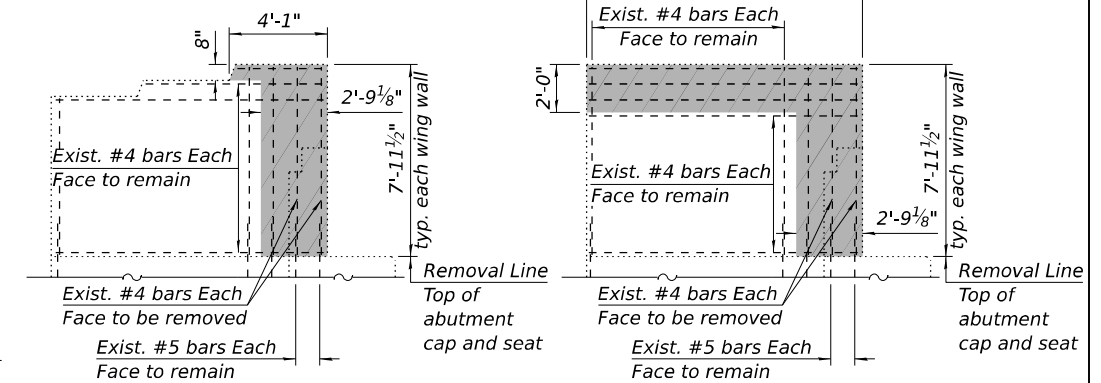
LEGEND

- Concrete Removal
- Approach Slab and Shoulder Removal



SECTION A-A

(Horiz. dim. at Rt. L's)



ELEVATION AT WING WALL

(North Bridge SN 041-0087 (WB)- West Abutment)
(South Bridge SN 041-0088 (EB)- East Abutment)

ELEVATION AT WING WALL

(North Bridge SN 041-0087 (WB)- East Abutment)
(South Bridge SN 041-0088 (EB)- West Abutment)

Notes:

- Removal and disposal of the existing expansion joints will not be paid for separately, but shall be included with the cost of Concrete Removal.
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
- Burn existing #5 bent bar reinforcement flush with existing wing wall vertical removal surface. Grind existing reinforcement smooth and seal with epoxy. Cost included with Concrete Removal.

BILL OF MATERIAL FOUR ABUTMENTS

Item	Unit	Quantity
Concrete Removal	Cu Yd	76.1

design firm
no. 184001036



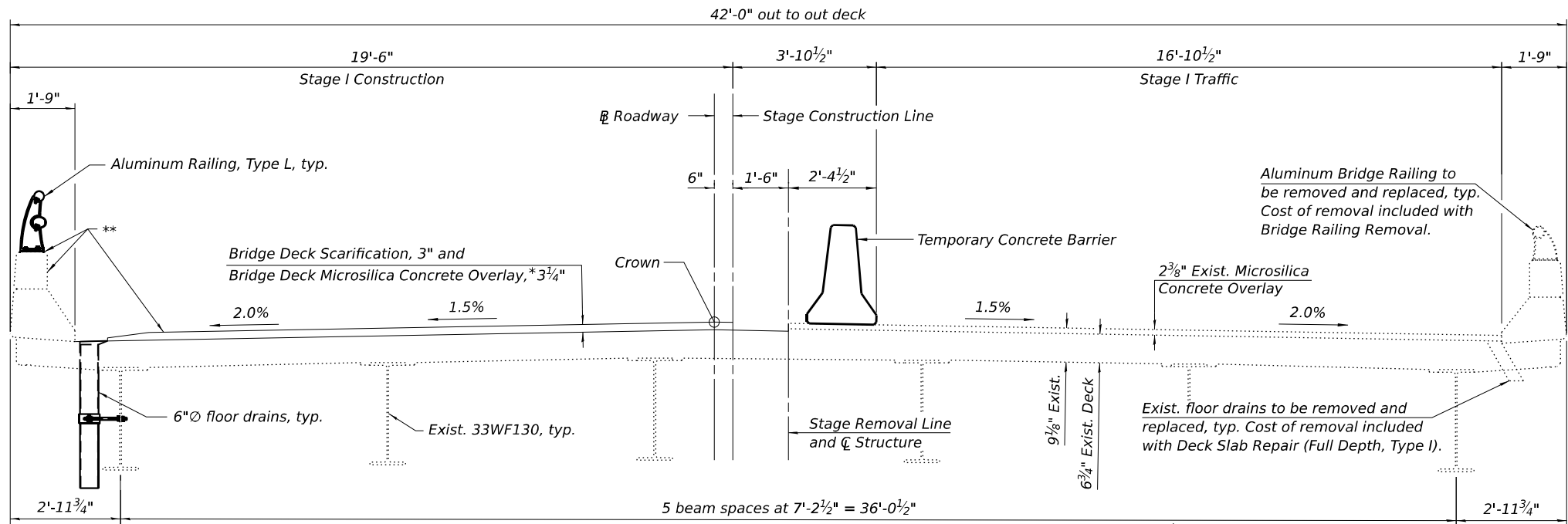
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		CHECKED	- SBC	REVISED	-
PLOT DATE	=	DRAWN	- DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 5 OF 17 SHEETS

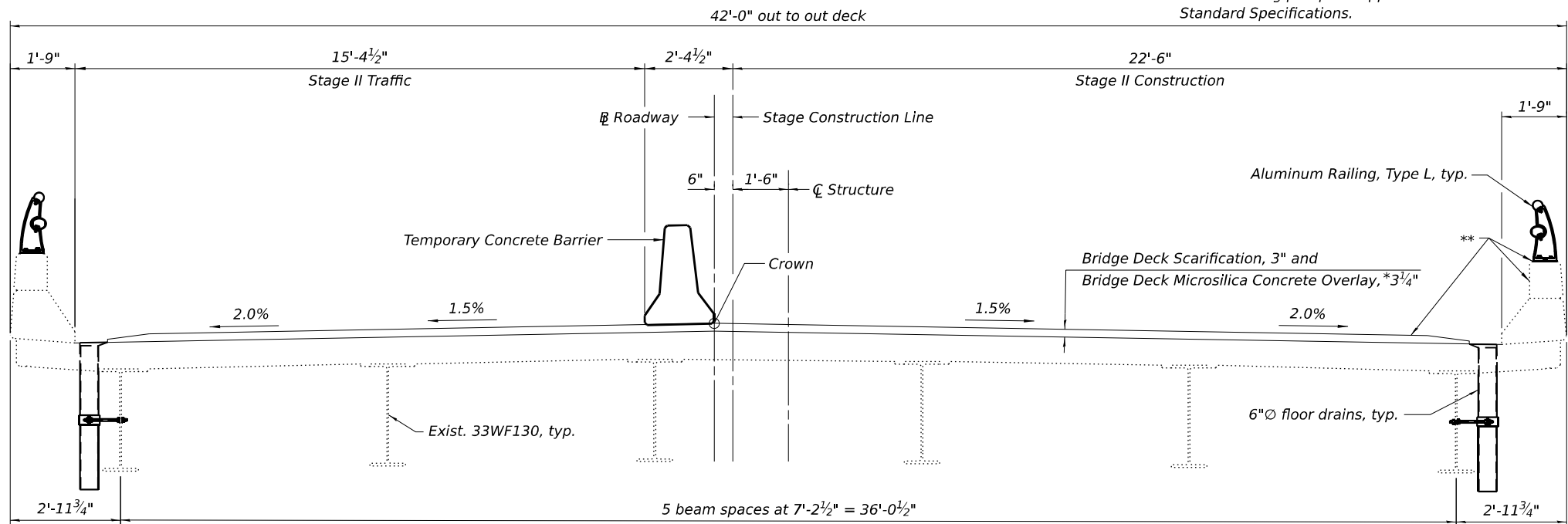
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	55
				CONTRACT NO. 78B34
				ILLINOIS FED. AID PROJECT



STAGE I CONSTRUCTION

* Prior to grinding

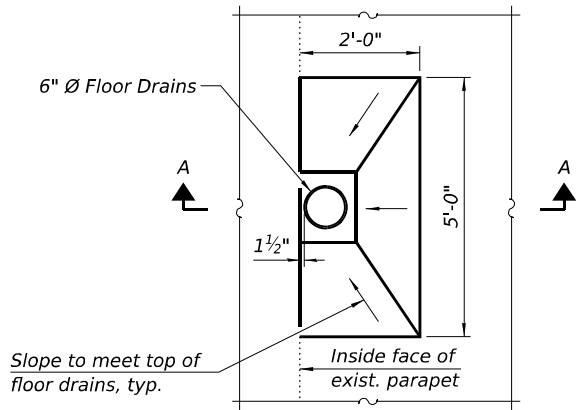
** Protective coat shall be applied to the Bridge Deck Concrete Overlay, the new Concrete Superstructure at the semi-integral abutment conversion and the top and inside faces of the existing parapets. Application shall be in accordance with Article 503.19 of the Standard Specifications.



STAGE II CONSTRUCTION

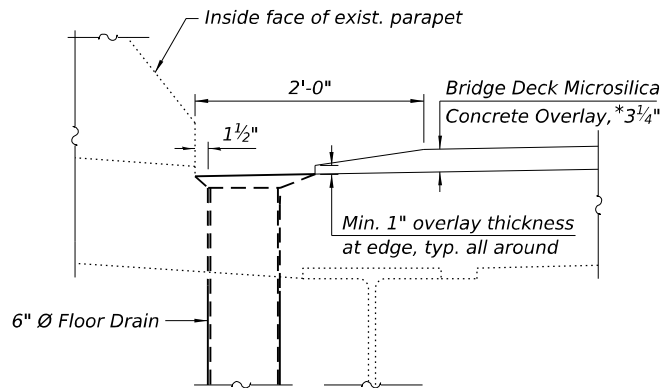
Notes:

1. Staging details for the North Bridge SN 041-0087 (WB) Looking West and the South Bridge SN 041-0088 (EB) Looking East.
2. Temporary concrete barrier shall only be restrained along the bridge deck and approach slab removal limits to facilitate the semi-integral abutment conversion. For details of Temporary Concrete Barrier, see sheet 4 of 17.
3. For quantities of Temporary Concrete Barrier, see Roadway plans.
4. For details of Floor Drains, see sheet 8 of 17.
5. For details of Aluminum Railing, see sheet 9 of 17.
6. The floor drains shall be covered with plastic and taped shut immediately prior to the application of the protective coat. No protective coat must be allowed to stick to the floor drains. Immediately after the protective coat has dried, the plastic and tapes shall be removed from the floor drains. Cost included with Protective Coat.
7. All floor drains shall be cleaned and flushed with water at the end of the contract. Cost included with Floor Drains.



VIEW AT 6" Ø FLOOR DRAIN

(Stage I shown, Stage II similar)



SECTION A-A

(Sheet 1 of 3)

design firm
no. 184001036



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	CHECKED - SBC	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - FWS / SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

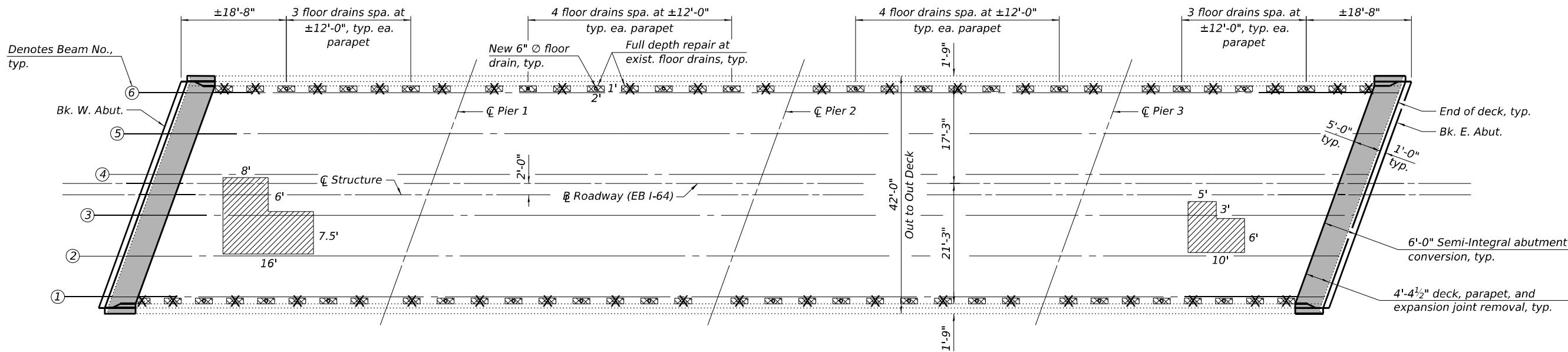
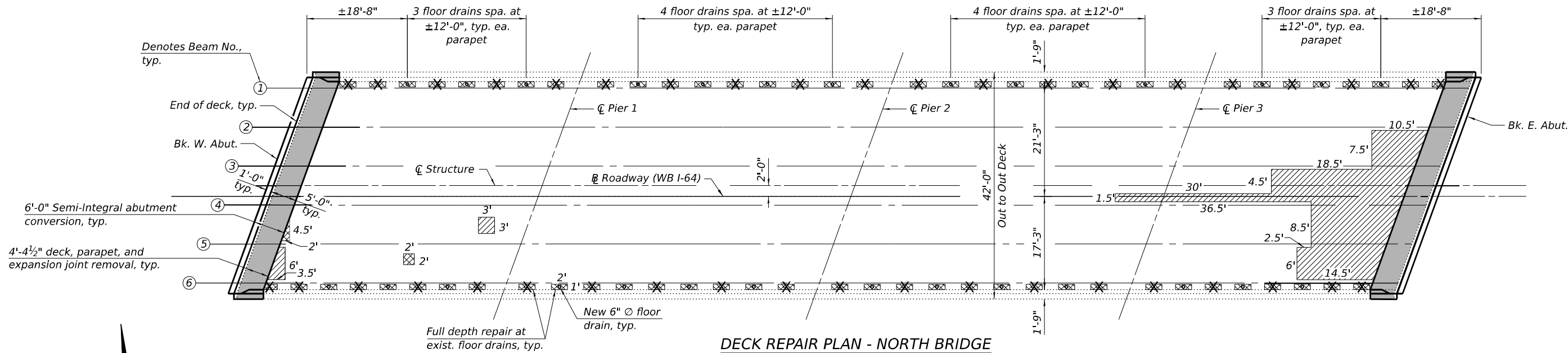
DECK REPAIR DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 6 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	56
CONTRACT NO. 78B34				
ILLINOIS				FED. AID PROJECT

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FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-910257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410087-0088-D978834.dgn



LEGEND

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Concrete Removal Limits for Semi-Integral Abutment Conversion, See Note 2
- Existing floor drains to be eliminated

Notes:

- Quantities and limits of Deck Slab Repairs shown are estimated from the delamination survey completed by the District June 2025. Actual limits shall be determined in the field and noted in the As-Built Plans. See special provision for Deck Slab Repair.
- For Concrete Removal and Semi-Integral Abutment Conversion notes and details, see sheets 5 and 10 thru 12 of 17.
- For floor drain replacement details, see sheets 6 and 8 of 17.
- For stage construction scheme, see sheet 6 of 17.

SUGGESTED SEQUENCE OF CONSTRUCTION

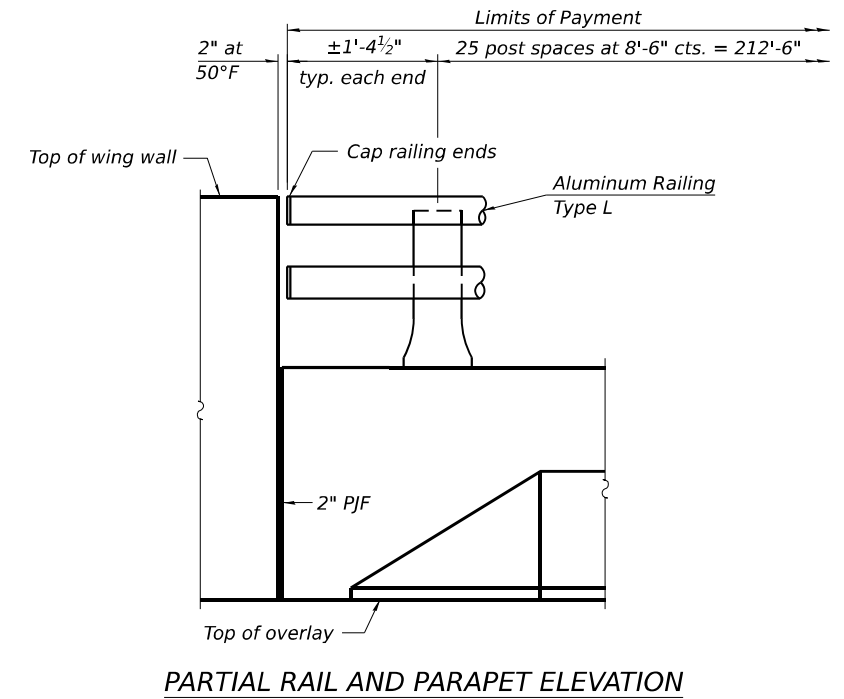
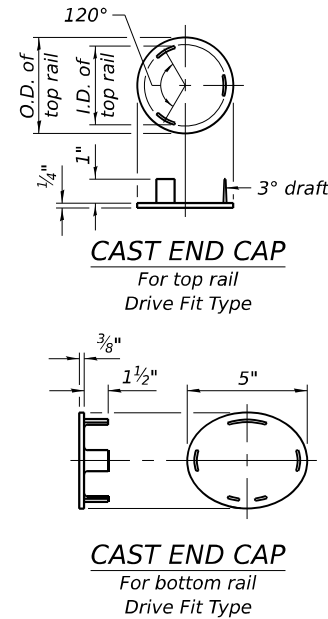
(Existing Floor Drain Replacement & Elimination)

- Complete repairs at existing floor drain elimination locations.
- Repair areas shall be protected and allowed to cure the minimum period specified in the Special Provision for Deck Slab Repair prior to proceeding.
- Complete repairs at floor drain replacement locations.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq Yd	31
Deck Slab Repair (Full Depth, Type II)	Sq Yd	85

(Sheet 2 of 3)



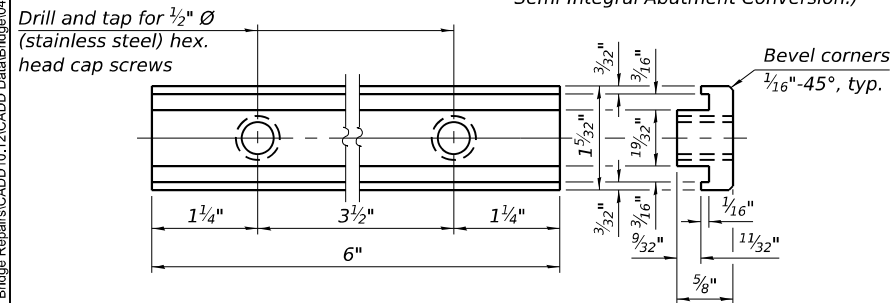
PARTIAL RAIL AND PARAPET ELEVATION

VIEW B-B

RAIL POST DETAILS

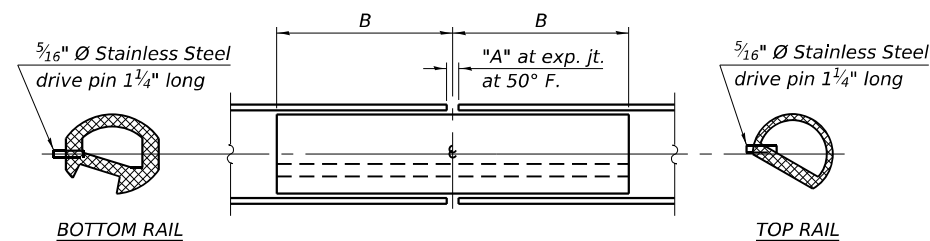
SECTION A-A

(Showing new rail post anchor device at parapet reconstruction for Semi-Integral Abutment Conversion.)



RAIL POST CLAMP BAR

For Top Rail



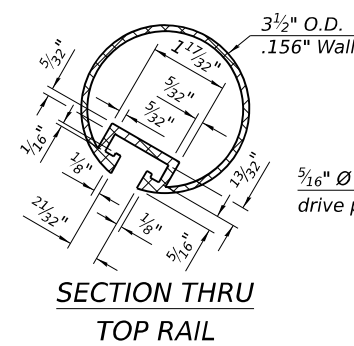
RAIL SPLICE

SPLICE DIMENSIONS

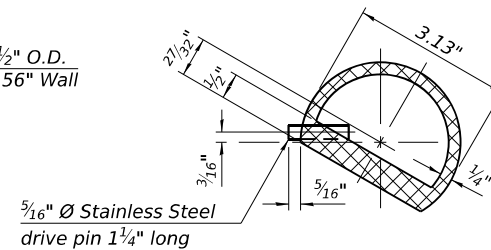
$T =$; total movement along centerline of roadway at expansion joint.

RAILING CRITERIA

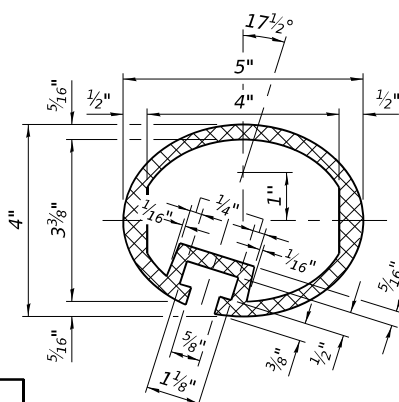
NCHRP 350 Test Level	4
Post Spacing Range	7'-0" - 10'-0"
Rail Weight (plf)	40



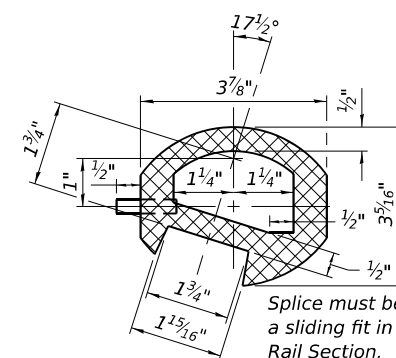
SECTION THRU
TOP RAIL



SECTION THRU
TOP RAIL SPLICE



SECTION THRU
BOTTOM RAIL



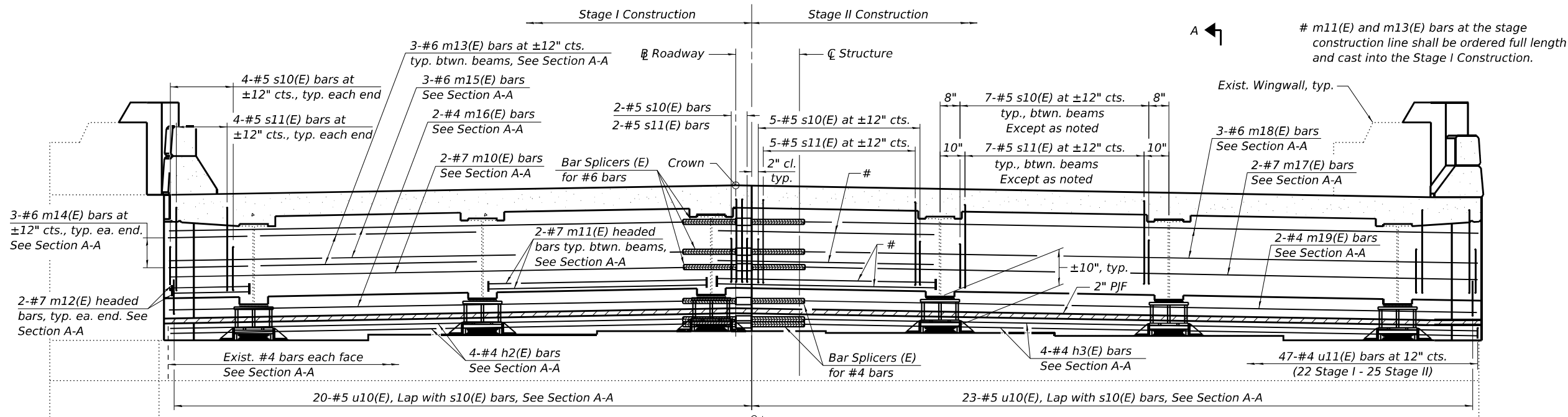
SECTION THRU
BOTTOM RAIL SPLICE

Notes:

1. *All Posts shall be normal to parapet.*
2. *All joints in rail shall be spliced per detail.*
3. *All exposed rail ends shall be capped per detail.*
4. *Provide 1 - 1/8" and 2 - 1/16" Aluminum shims for 25% of the posts. Rail elements shall be parallel to grade, high spots shall be round and low spots shimmed.*
5. *The existing rail post anchorage device, post spacing, and other dimensions shown are from existing plans. The Contractor shall verify condition and dimensions and make any necessary approved adjustments before ordering material.*
6. *New cap screws and washers shall be used to secure rail posts to the existing rail post anchorage. Cost shall be included with Aluminum Railing, Type L.*
7. *Any existing damage and/or deterioration to rail post anchorage intended for reuse shall be repaired or replaced by the Contractor and paid for according to Article 109.04 of the Standard Specifications.*
8. *In lieu of the cast-in-place rail anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the Manufacturer's specifications.*

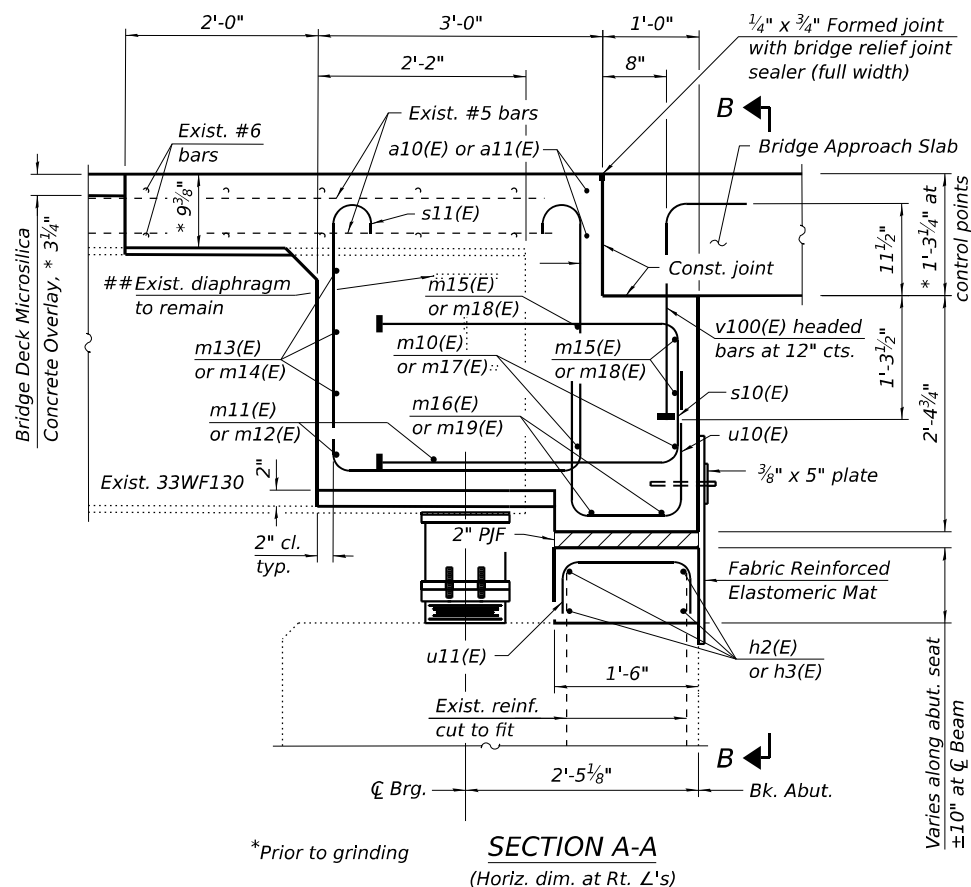
BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	861



BACKWALL AND DIAPHRAGM AT ABUTMENT

(North Bridge SN 041-0087 (WB) - West Abutment & Diaphragm. East Abutment & Diaphragm Similar.)
(South Bridge SN 041-0088 (EB) - East Abutment & Diaphragm. West Abutment & Diaphragm Similar.)

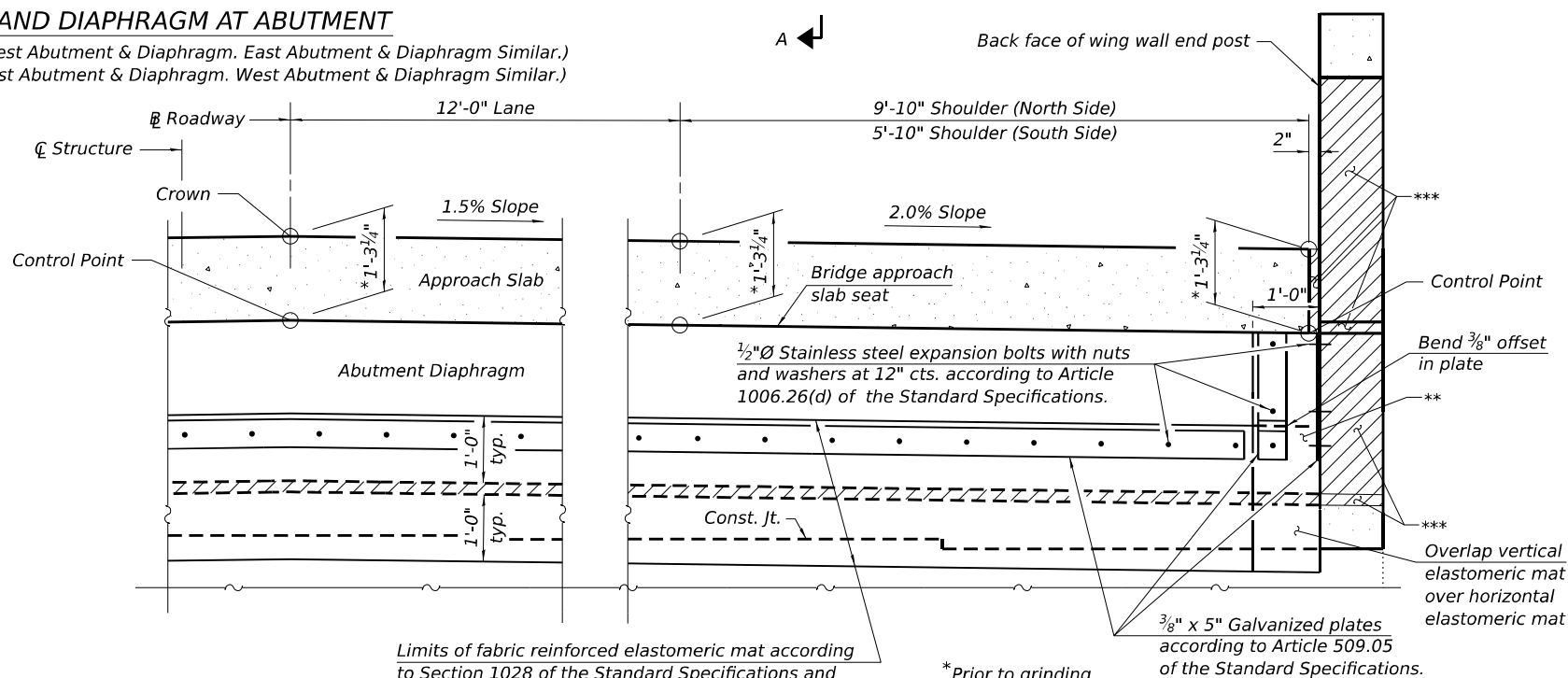


*Prior to grinding

SECTION A-A

(Horiz. dim. at Rt. L's)

Holes shall be cut in the existing diaphragms to facilitate placement of s10(E) headed bars. Cost included with Reinforcement Bars, Epoxy Coated.



Limits of fabric reinforced elastomeric mat according to Section 1028 of the Standard Specifications and installed according to applicable requirements of Article 520.09 of the Standard Specifications.

VIEW B-B

Notes:

- Reinforcement bars in diaphragm are included in the Bill of Material on sheet 12 of 17.
- Concrete in diaphragm is included with Concrete Superstructure on sheet 12 of 17.
- Concrete in abutment backwall is included with Concrete Structures in sheet 12 of 17.
- For details of s10(E), s11(E), and v100(E) bars see sheet 12 of 17.
- The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
- All horizontal reinforcement bars at each end of the abutment backwall and diaphragm shall be bent in field to fit, as required.
- The approach slab seat shall have a constant slope determined from the control points shown. See General Note 9 on Sheet 2 of 17.
- Headed bars shall conform to ASTM A970 with threaded attachment: Class HA; and reinforcement bars conforming to ASTM A706. Bar terminators paid for separately.
- Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.

(Sheet 1 of 3)

FILE NAME: C:\SP\WHKS & CO\Jobs\Spring - Projects\DOT D-810257 PTB 214-047 On-Call\10257.03 1-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\041-0087-0088-D978834.dgn



USER NAME	= jmontrey	DESIGNED	- FWS / JLM	REVISED	-
CHECKED	- SBC	CHECKED	- SBC	REVISED	-
PLOT DATE	=	DRAWN	- DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

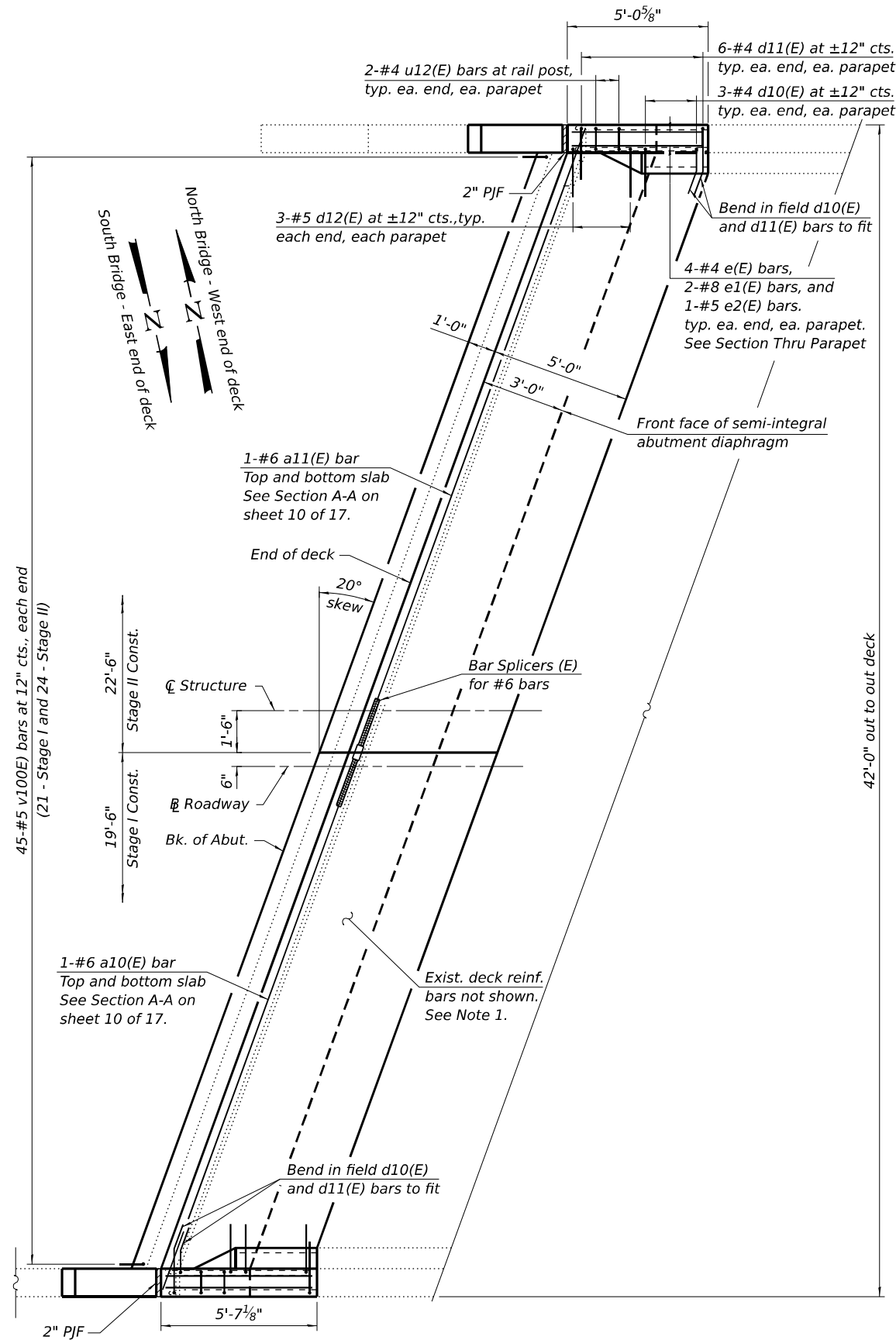
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEMI-INTEGRAL ABUTMENT CONVERSION DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 10 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	60
CONTRACT NO. 78B34				ILLINOIS FED. AID PROJECT

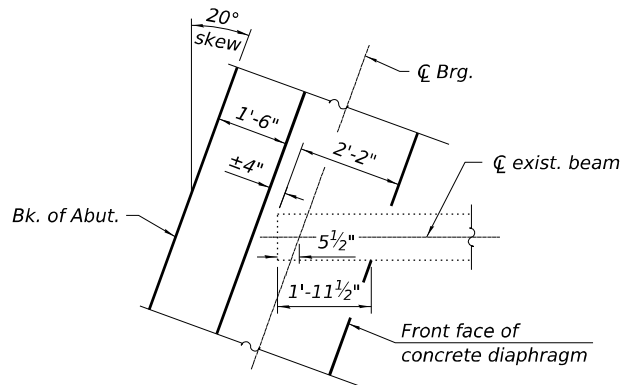
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PARTIAL PLAN AT TOP OF DECK

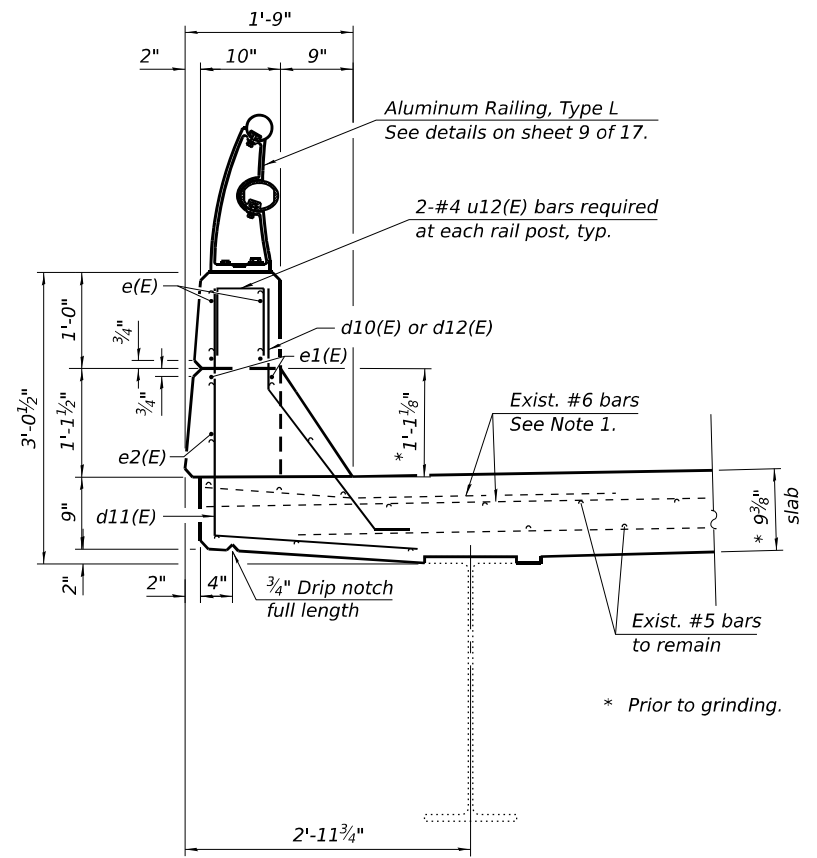
(North Bridge SN 041-0087 (WB) - West End of Deck. East End of Deck Similar.)
(South Bridge SN 041-0088 (EB) - East End of Deck. West End of Deck Similar.)

PARAPET TRANSITION DETAIL



TYPICAL PLAN AT ABUTMENT

(Showing bottom flange of existing 33WF130 beam)



SECTION THRU PARAPET

(d12(E) bars at tapered end of parapets not shown for clarity.)

Notes:

- Upon completion of concrete removal, it is recommended that the existing reinforcement bars that are not partially embedded in concrete be removed and replaced with new epoxy coated reinforcement bars of the same size and configuration. The Engineer shall inspect the existing reinforcement and determined which bars shall be replaced.
- For Bill of Material, see Sheet 12 of 17.

(Sheet 2 of 3)

design firm
no. 184001036



USER NAME	= jmontrey	DESIGNED	- FWS / JLM	REVISED	-
		CHECKED	- SBC	REVISED	-
PLOT DATE	=	DRAWN	- DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

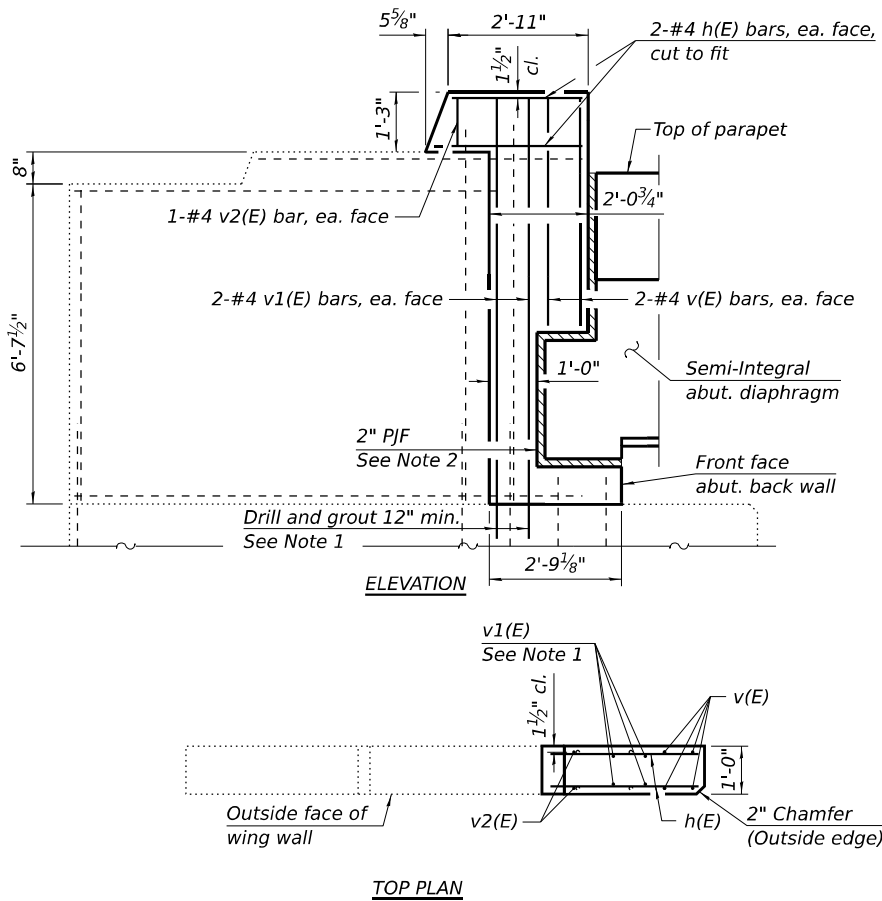
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEMI-INTEGRAL ABUTMENT CONVERSION DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

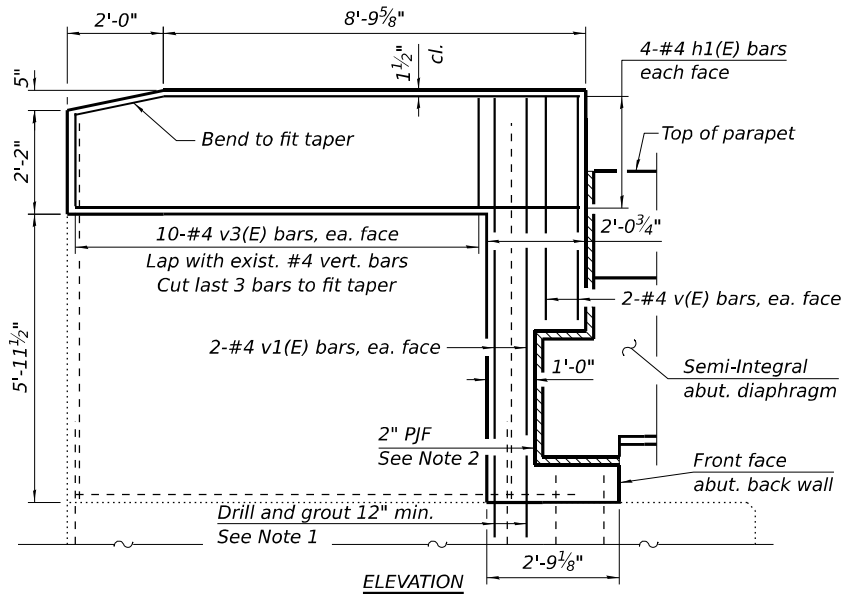
SHEET 11 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

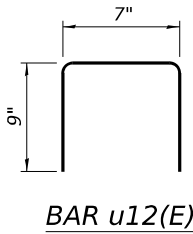
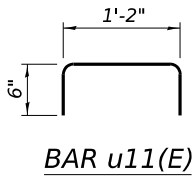
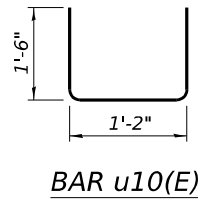
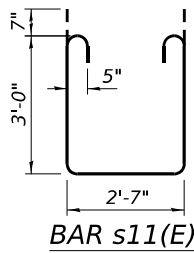
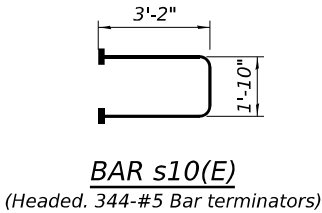
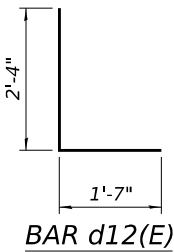
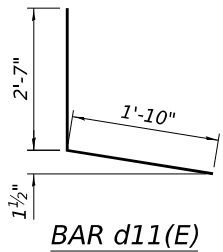
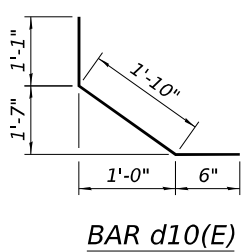
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WING WALL DETAILS
(North Bridge SN 041-0087 (WB) - West Abutment)
(South Bridge SN 041-0088 (EB) - East Abutment)



WING WALL DETAILS
(North Bridge SN 041-0087 (WB) - East Abutment)
(South Bridge SN 041-0088 (EB) - West Abutment)

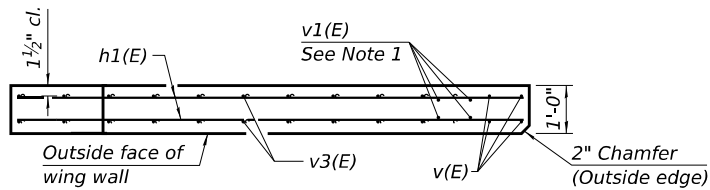


BILL OF MATERIAL
FOUR DIAPHRAGMS AND ABUTMENTS

Bar	No.	Size	Length	Shape
a10(E)	8	#6	20'-3"	
a11(E)	8	#6	23'-5"	
d10(E)	24	#5	3'-5"	
d11(E)	48	#4	4'-5"	
d12(E)	24	#5	3'-11"	
e(E)	32	#4	4'-9"	
e1(E)	16	#8	4'-9"	
e2(E)	8	#5	4'-9"	
h(E)	16	#4	3'-1"	
h1(E)	32	#4	10'-6"	
h2(E)	16	#4	20'-3"	
h3(E)	16	#4	23'-5"	
m10(E)	8	#7	20'-3"	
m11(E)	40	#7	7'-4"	
m12(E)	16	#7	2'-7"	
m13(E)	60	#6	7'-4"	
m14(E)	24	#6	2'-7"	
m15(E)	12	#6	20'-3"	
m16(E)	8	#4	20'-3"	
m17(E)	8	#7	23'-5"	
m18(E)	12	#6	23'-5"	
m19(E)	8	#4	23'-5"	
s10(E)	172	#5	8'-2"	
s11(E)	172	#5	9'-9"	
u10(E)	172	#5	4'-2"	
u11(E)	188	#4	2'-2"	
u12(E)	16	#4	2'-1"	
v(E)	32	#4	4'-9"	
v1(E)	32	#4	9'-6"	
v2(E)	8	#4	1'-0"	
v3(E)	80	#4	2'-3"	
v100(E)	180	#5	3'-1"	
Concrete Structures			Cu. Yd.	15.1
Concrete Superstructure			Cu. Yd.	92.8
Reinforcement Bars, Epoxy Coated			Pound	10,360
Bar Splicers			Each	44
Bar Terminators			Each	636

Note:

- Drill and grout v1(E) bars with minimum 3" cover according to Article 584 of the Standard Specifications. Holes shall be located to miss existing reinforcement. Minor adjustments in proposed bar locations are permitted. Cost included with Reinforcement Bars, Epoxy Coated.
- For 2" PJF, see Sheet 10 of 17 for additional notes and details.
- Concrete for Wing Wall reconstruction is paid for as Concrete Structures.



TOP PLAN

(Sheet 3 of 3)

design firm
no. 184001036



USER NAME	=	jmontrey	DESIGNED	-	FWS / JLM	REVISED	-
			CHECKED	-	SBC	REVISED	-
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PLOT TIME	=		CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

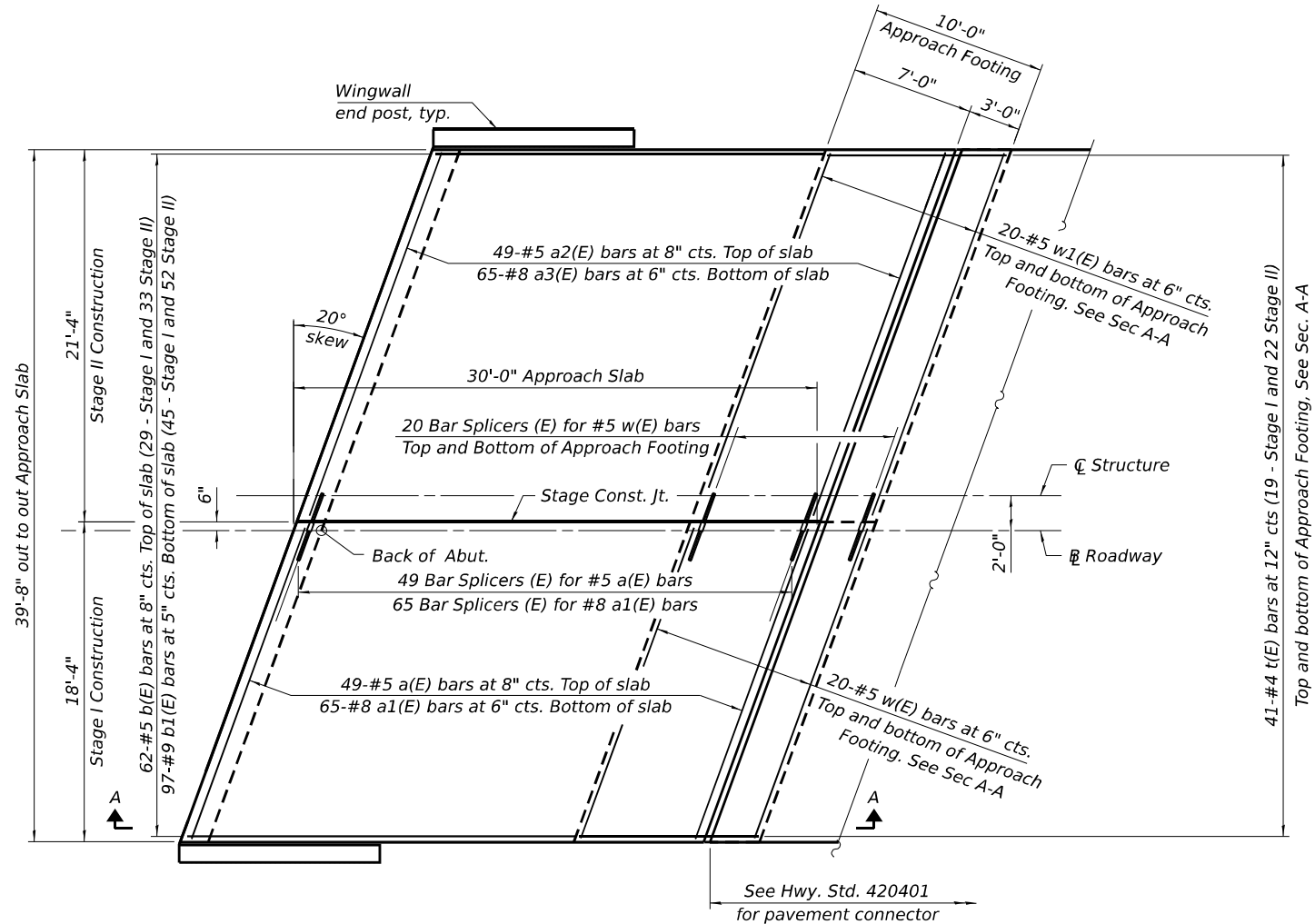
SEMI-INTEGRAL ABUTMENT CONVERSION DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 12 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	62
				CONTRACT NO. 78B34
				ILLINOIS FED. AID PROJECT

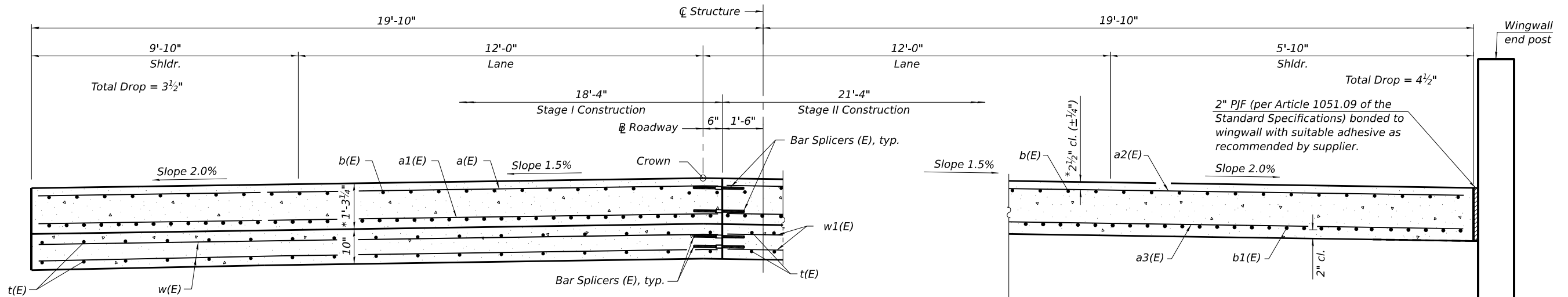
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North Bridge - East Approach Slab
South Bridge - West Approach Slab



PLAN

(North Bridge SN 041-0087 (WB) - East Approach Slab. West Approach Slab Similar.)
(South Bridge SN 041-0088 (EB) - West Approach Slab. East Approach Slab Similar.)



CROSS SECTION

(North Bridge SN 041-0087 (WB) Looking West)
(South Bridge SN 041-0088 (EB) Looking East)

NEAR ABUTMENT

AT APPROACH FOOTING

*Prior to grinding.

(Sheet 1 of 2)

Design firm
no. 184001036



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PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

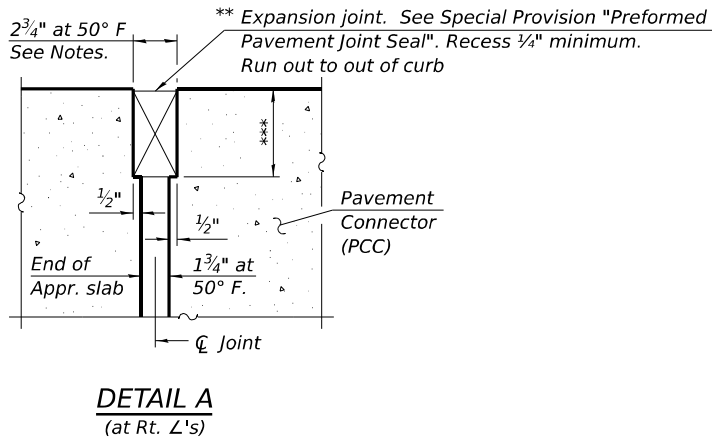
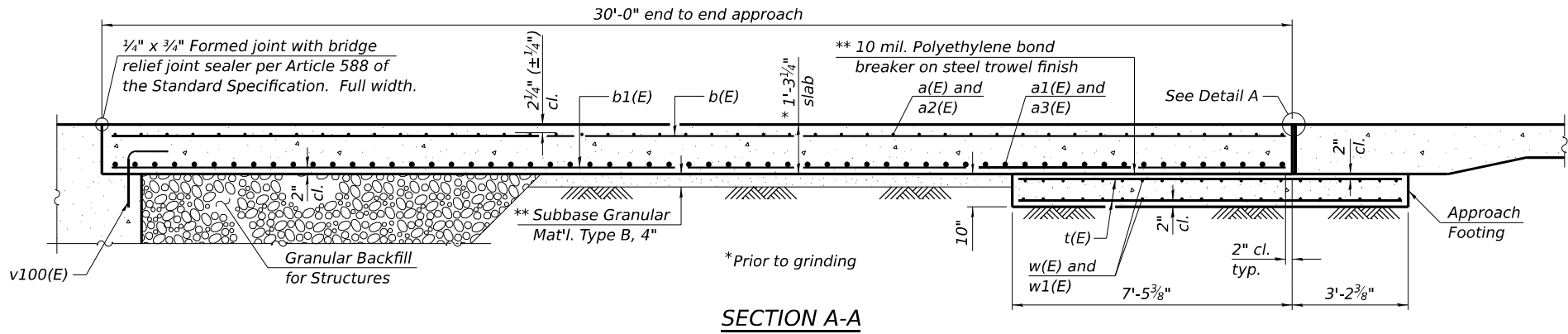
SHEET 13 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	63
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-810257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410087-0088-D9\78B34.dgn

Notes:

1. The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
2. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
3. Approach footing concrete shall be paid for as Concrete Structures.
4. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
5. Cost of excavation for approach footing included with Concrete Structures.
6. Cost of 2" Preformed Joint Filler included with Concrete Superstructures.
7. For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 17.
8. For v100(E) bar details, see sheet 12 of 17.
9. For bar splicer details, see sheet 17 of 17.



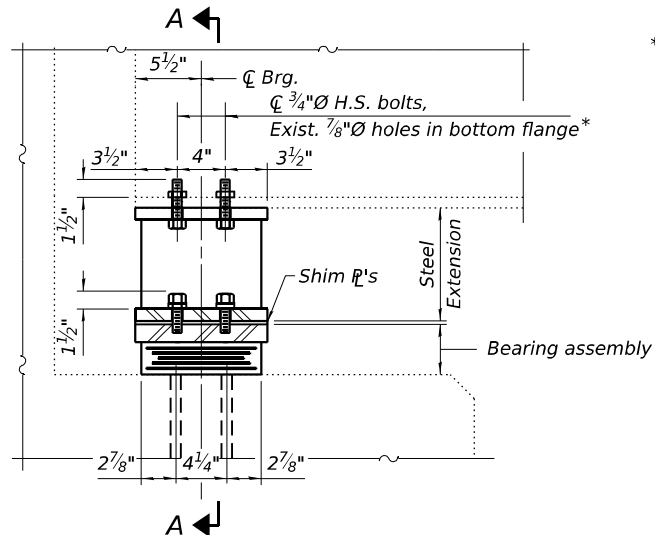
** Cost included with Concrete Superstructure (Approach Slab).

*** Per manufacturer recommendations

**BILL OF MATERIAL
FOUR APPROACHES**

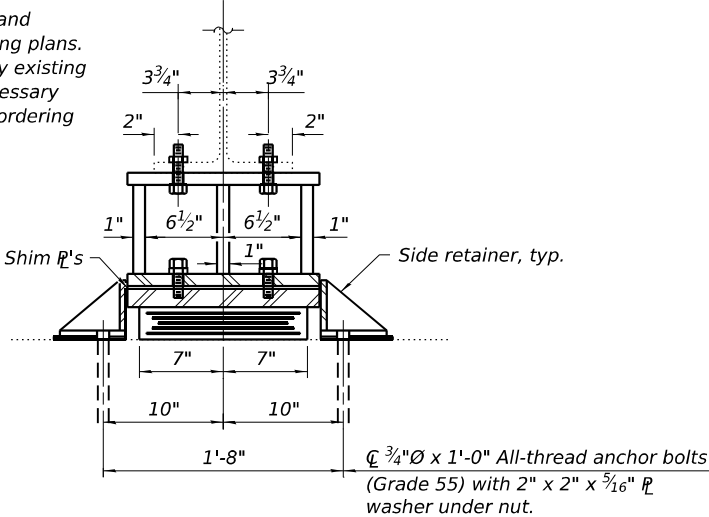
Bar	No.	Size	Length	Shape
a(E)	196	#5	19'-2"	————
a1(E)	260	#8	19'-2"	————
a2(E)	196	#5	22'-2"	————
a3(E)	260	#8	22'-2"	————
b(E)	248	#5	29'-8"	————
b1(E)	388	#9	29'-8"	————
t(E)	328	#4	10'-3"	————
w(E)	160	#5	19'-2"	————
w1(E)	160	#5	22'-2"	————
Concrete Structures			Cu. Yd.	52.1
Protective Coat			Sq. Yd.	528
Concrete Superstructure (Approach Slab)			Cu. Yd.	220.4
Reinforcement Bars, Epoxy Coated			Pound	93,110
Bar Splicers			Each	616
Bridge Deck Grooving (Longitudinal)			Sq. Yd.	309
Diamond Grinding (Bridge Section)			Sq. Yd.	444

(Sheet 2 of 2)



ELEVATION AT ABUTMENT

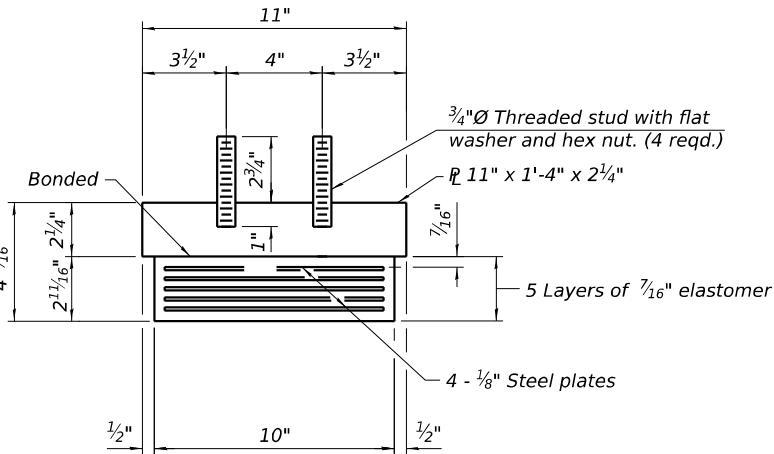
* The existing bolt hole pattern and dimensions are from the existing plans. The Contractor shall field verify existing dimensions and make any necessary approved adjustments before ordering material.



SECTION A-A

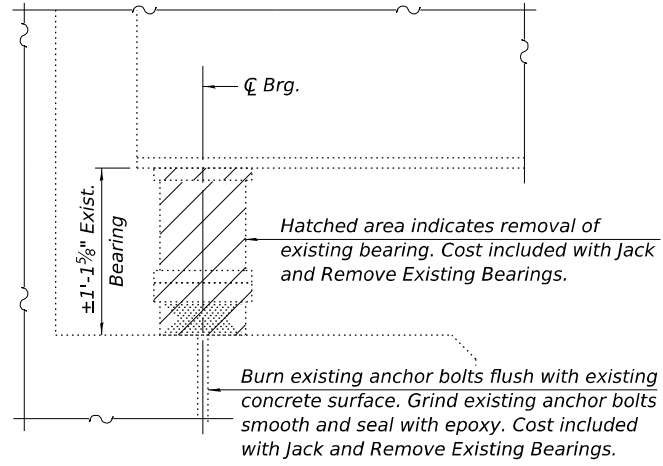
Notes:

1. The Contractor shall submit for approval by the Engineer, plans for jacking and removing existing bearings prior to commencing any related work. Minimum jack capacity = 60 tons. See Special Provisions for Jack and Remove Existing Bearings.
2. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
3. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
4. Anchor bolts for side retainers may be installed in holes drilled before or after members are in place.
5. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
6. Side retainers and other steel members required for the elastomeric bearing assembly, except steel bearing extension, fill plates, and bolts in bottom flange shall be included in the cost of Elastomeric Bearing Assembly, Type I. Steel bearing extensions, fill plates, and bolts in bottom flange are included in the quantity for Furnishing and Erecting Structural Steel.
7. Two 1/8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details. Cost included with Furnishing and Erecting Structural Steel.



BEARING ASSEMBLY

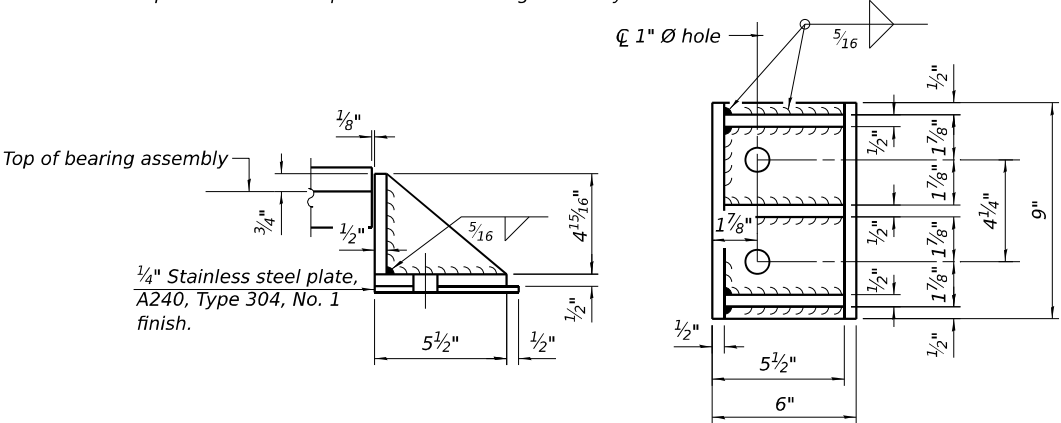
Shim plates shall not be placed under Bearing Assembly.



EXISTING BEARING REMOVAL DETAIL

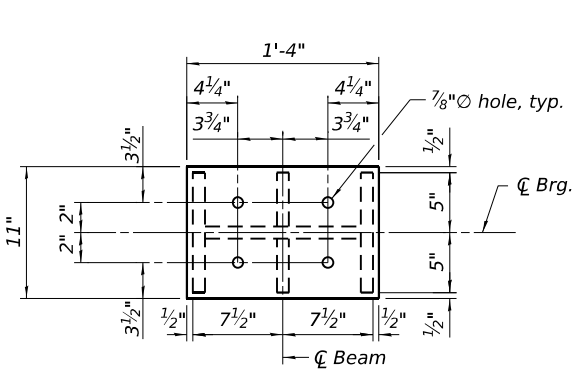
UNFACTORED BEAM REACTIONS

R _P	(K)	54.1
R _L	(K)	36.2
Imp.	(K)	10.5
R (Total)	(K)	100.8

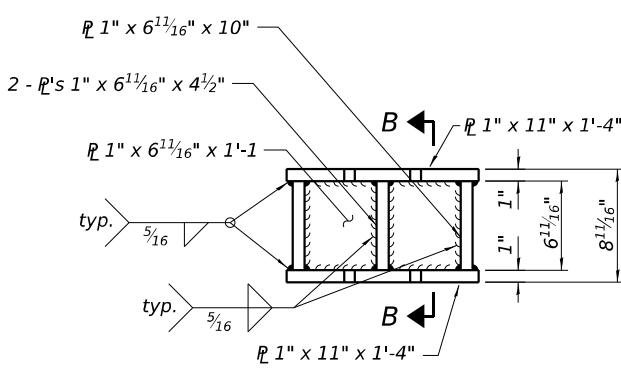


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



STEEL BEARING EXTENSION



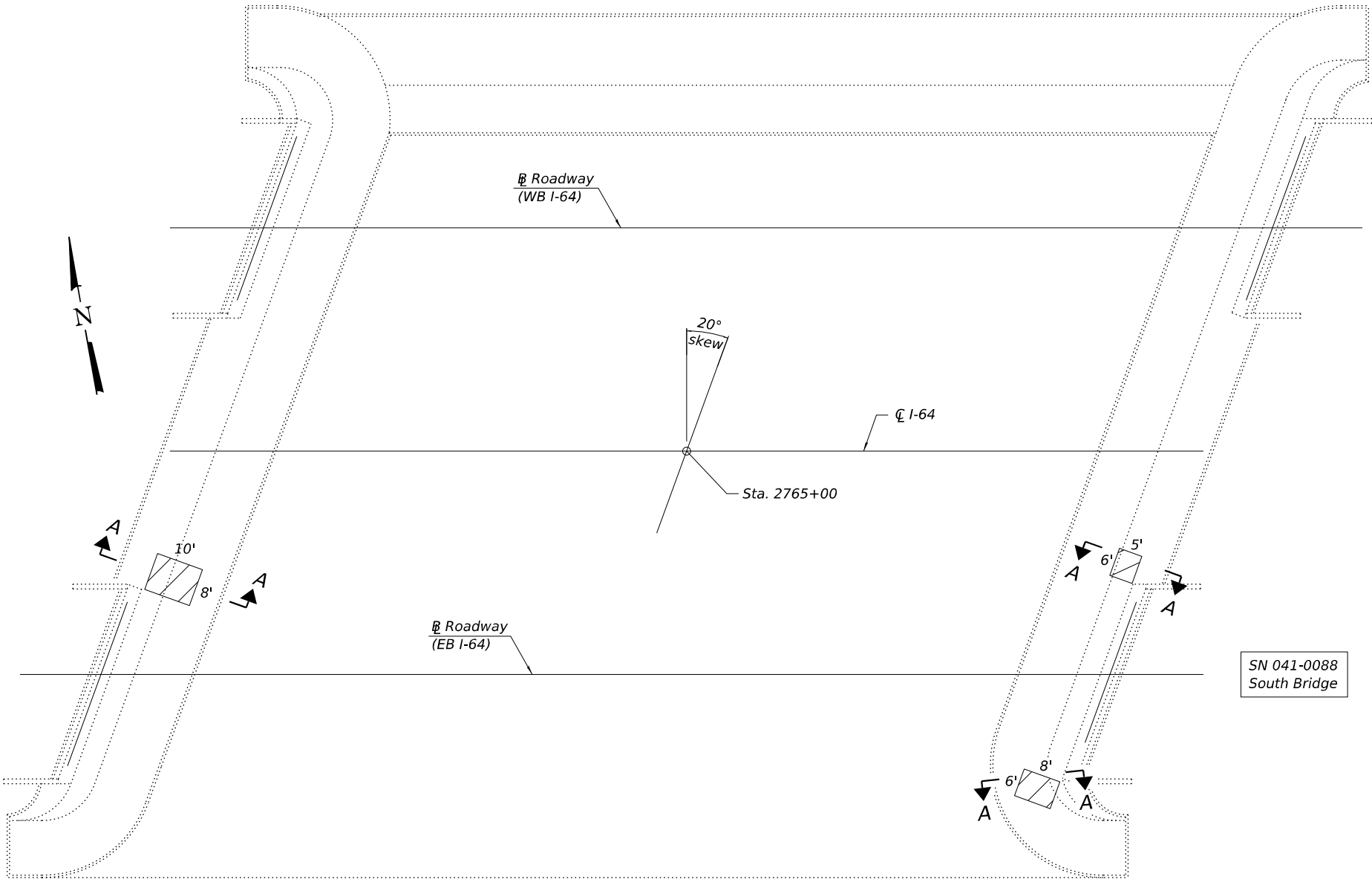
SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	4,360
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts, 3/4"	Each	96
Jack and Remove Existing Bearings	Each	24

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PLAN

LEGEND

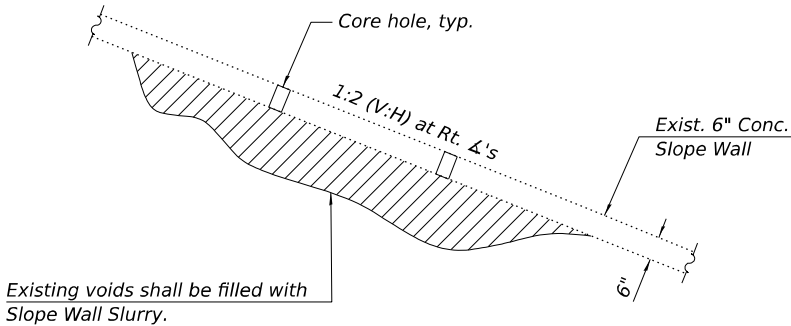
 Slope Wall Slurry Pumping

Notes:

1. See special provisions for Slope Wall Slurry Pumping.
2. The quantity of 5.9 Cu. Yds. of Slope Wall Slurry has been estimated from the field survey completed June 2025 assuming an average void depth of 1 foot. The required quantities may vary and the Engineer shall adjust the quantities as required to suit the field conditions. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantities actually furnished at the unit price bid for the work.

SN 041-0087
North Bridge

SN 041-0088
South Bridge



SECTION A-A

Suggested Sequence:

1. Mark area of suspected void below slope wall.
2. Core and/or cut hole(s) into slope wall for placement of Slope Wall Slurry.
3. Fill void with Slope Wall Slurry.
4. Use Slope Wall Slurry to fill cored and/or cut hole(s) to top of slope wall.

BILL OF MATERIAL

Item	Unit	Quantity
Slope Wall Slurry Pumping	Cu. Yd.	5.9

design firm
no. 184001036



USER NAME	= jmontrey	DESIGNED	- FWS / JLM	REVISED	-
		CHECKED	- SBC	REVISED	-
PLOT DATE	=	DRAWN	- DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

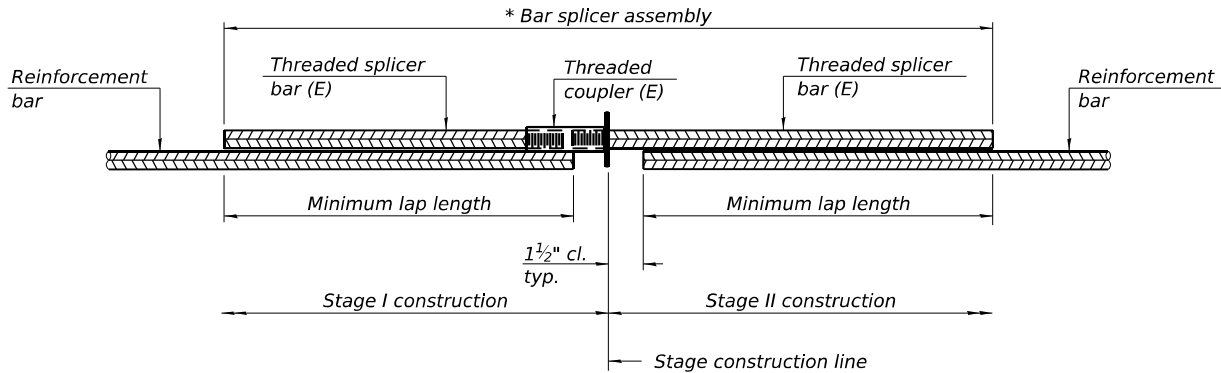
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOPE WALL REPAIR DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 16 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	66
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

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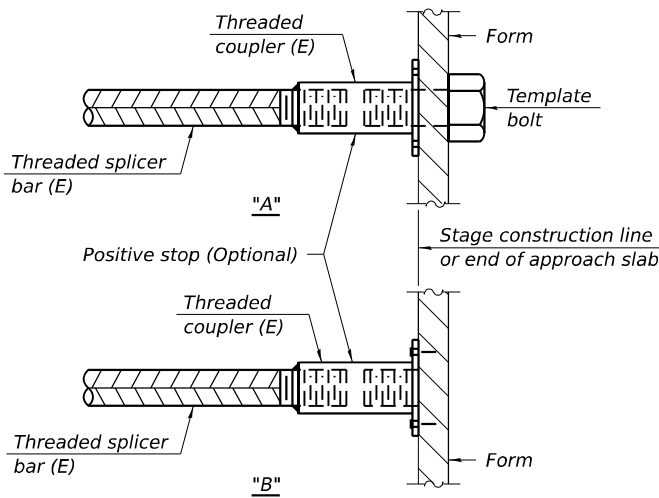
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

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

Location	Bar size	No. assemblies required	Minimum lap length
Approach w(E), w1(E)	#5	160	2'-0"
Approach a(E), a2(E)	#5	196	2'-6"
Approach a1(E), a3(E)	#8	260	5'-2"
Diaphragm m16(E), m19(E)	#4	8	1'-7"
Diaphragm m15(E), m18(E)	#6	12	3'-6"
Diaphragm m10(E), m17(E)	#7	8	4'-1"
Abutment h2(E), h3(E)	#4	16	1'-7"

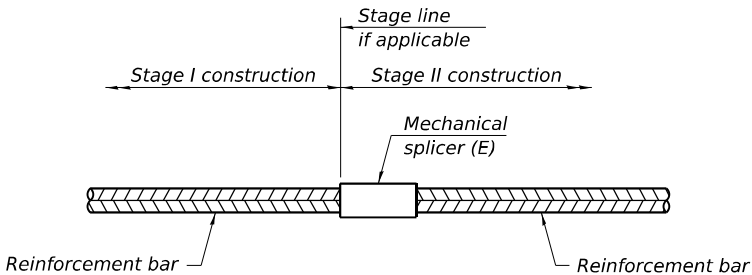


INSTALLATION AND SETTING METHODS

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

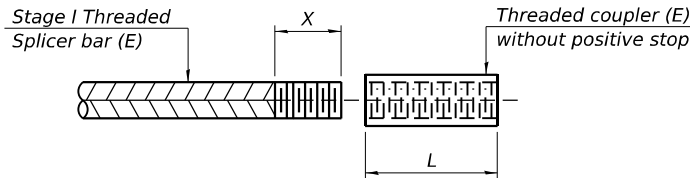
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

4-4-2025



USER NAME = jmontrey	DESIGNED - FWS / JLM	REVISED -
	CHECKED - SBC	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - FWS / SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 17 OF 17 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	67
		CONTRACT NO. 78B34		
		ILLINOIS FED. AID PROJECT		

Existing Structure: Structure Nos. 041-0070 and 041-0071 were built in 1974, F.A.I. 64, Section 41-9VB-1. Each structure consists of a three-span non-composite deck with continuous steel wide flange beams. Substructure units consist of reinforced concrete stub abutments supported by steel H-piles, a multi-column reinforced concrete pier 1 supported by a spread footing, and a multi-column reinforced concrete pier 2 supported on a steel H-pile footing. The span lengths for each bridge are 57'-8", 73'-9", and 57'-8", respectively. The back-to-back of abutment dimension measures 195'-3" and the out-to-out dimension measures 42'-0". The structures are skewed 35°12'18" right forward. The abutment expansion joints were reconstructed in 1998 and 2014. The bridges were resurfaced with a microsilica concrete overlay and new elastomeric bearings were installed at the abutments in 1998. Traffic shall be maintained utilizing staged construction.

Salvage: No salvage.

INDEX OF SHEETS

- 1. General Plan and Elevation
- 2. General Data
- 3.-5. Deck Repair Details
- 6. Wingwall Extension Details
- 7.-8. Joint Reconstruction Details
- 9. Preformed Joint Strip Seal
- 10. Aluminum Railing, Type L
- 11. Bearing Details
- 12.-13. Substructure Repair Details
- 14. Slope Wall Repair Details
- 15. Bar Splicer and Mechanical Splicer Assembly Details

DESIGN STRESSES

NEW CONSTRUCTION

f'c = 3,500 psi (Substructure Concrete)
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,0000 psi (Reinforcement)
fy = 36,000 psi (AASHTO M-270, Gr. 36)

EXISTING CONSTRUCTION

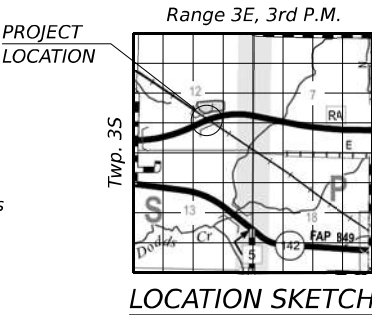
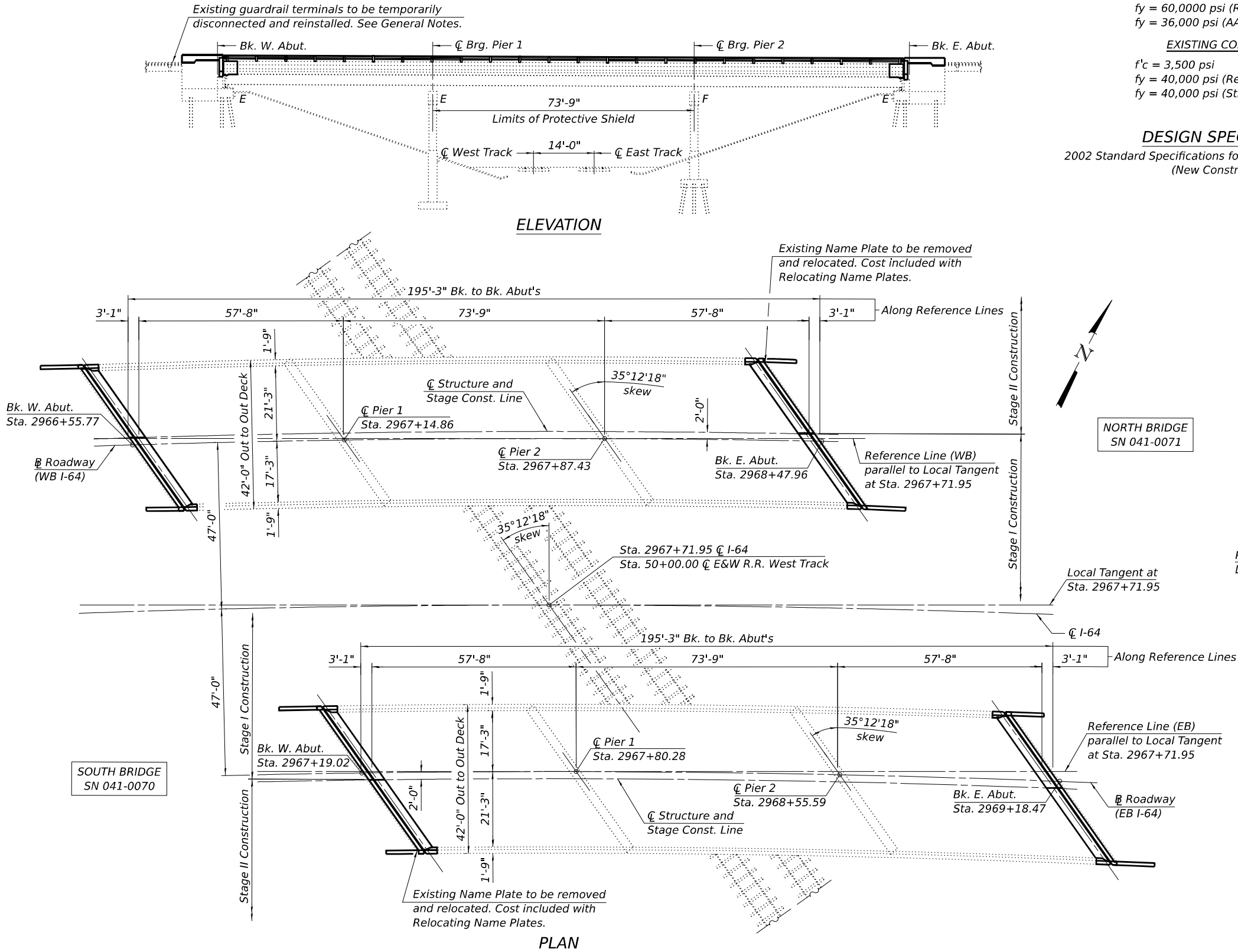
f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)
fy = 40,000 psi (Structural Steel)

DESIGN SPECIFICATIONS

2002 Standard Specifications for Highway Bridges, 17th Edition
(New Construction Only)

SCOPE OF WORK

- 1. Repair concrete deck.
- 2. Replace existing floor drains with 6" Ø floor drains.
- 3. Scarify deck 2¾" and replace with 3" Microsilica overlay.
- 4. Remove and reconstruct abutment expansion joints.
- 5. Perform diamond grinding, bridge deck grooving, and apply protective coat.
- 6. Remove and replace aluminum bridge railing and modify wing walls, as necessary.
- 7. Remove and replace abutment elastomeric bearings.
- 8. Repair substructure units.
- 9. Fill voids under slope wall at both structures.



GENERAL PLAN AND ELEVATION
I-64 OVER E&W RR
F.A.I. RT. 64 - SECTION D9 BRIDGE OVERLAY 2026-1
JEFFERSON COUNTY
STA. 2967+71.95
STRUCTURE NO. 041-0070 (E.B.)
STRUCTURE NO. 041-0071 (W.B.)

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-910257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410070-0071-D978834.dgn

Design firm
no. 184001036



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PLOT DATE	=	CHECKED	-	SBC	REVISED	-
PLOT TIME	=	DRAWN	-	DLH / JLM	REVISED	-
		CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

SHEET 1 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	68
		CONTRACT NO. 78B34		
ILLINOIS		FED. AID PROJECT		

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-910257 PTB 214-017 On-Call\10257.03 1-64 Bridge Repairs\CADD\10_12\CADD Data\Bridge\0410070-0071-D978B34.dgn

GENERAL NOTES

1.

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
3.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC – SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.

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.
4.

No field welding is permitted except as specified in the contract documents.
5.

Reinforcement bars designated (E) shall be epoxy coated.
6.

Up to ¼" to be ground off the bridge deck.
7.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the contractor's expense.
8.

The Contractor shall take appropriate measures to ensure that Protective Coat is not applied to the floor drains and drainage inlets.
9.

Cleaning and painting of structural steel shall be done under a seperate painting contract.
10.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures", and the Standard Specifications. Cost included with Furnishing and Erecting Structural Steel.
11.

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
12.

Fasteners shall be ASTM F 3125 Grade A325 Type 1, hot-dip galvanized. See Special Provision for “Hot Dip Galvanizing for Structural Steel.” Bolts ¾ in. diameter, holes 1⅜ in. diameter, unless otherwise noted.
13.

All new structural steel and bearing assemblies shall be hot-dip galvanized. See Special Provisions for "Hot-Dip Galvanizing for Structural Steel".
14.

Existing guardrail terminals shall be temporarily disconnected, removed, and stockpiled on-site to facilitate the wing wall extension. Any damaged materials intended for reuse shall be repaired or replaced by the Contractor in a manner satisfactory to the Engineer. New hardware shall be provided by the Contractor to secure the guardrail terminal to the parapet and posts. Cost included with Concrete Removal.
15.

For abbreviated existing plans, see sheets 111 thru 127.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Concrete Removal	Cu. Yd.	35.6	7.3	42.9
Bridge Rail Removal	Foot	768		768
Protective Shield	Sq. Yd.	630		630
Floor Drains	Each	16		16
Concrete Structures	Cu. Yd.		8.5	8.5
Concrete Superstructure	Cu. Yd.	38.1		38.1
Protective Coat	Sq. Yd.	1,946		1,946
Furnishing and Erecting Structural Steel	Pound	4,040		4,040
Reinforcement Bars, Epoxy Coated	Pound	5,570	550	6,120
Bar Splicers	Each	56		56
Aluminum Railing, Type L	Foot	768		768
Preformed Joint Strip Seal	Foot	220		220
Elastomeric Bearing Assembly, Type I	Each	24		24
Anchor Bolts, ¾"	Each	96		96
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	9		9
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	46		46
Bridge Deck Scarification 2¾"	Sq. Yd.	1,592		1,592
* Bridge Deck Microsilica Concrete Overlay 3"	Sq. Yd.	1,592		1,592
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		113	113
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.		11	11
Jack and Remove Existing Bearings	Each	24		24
Diamond Grinding (Bridge Section)	Sq. Yd.	1,497		1,497
Relocating Name Plates	Each	2		2
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	992		992
Slope Wall Slurry Pumping	Cu. Yd.		50.6	50.6

* Synthetic Fibers shall be added to the Microsilica Overlay.
Cost included with Bridge Deck Microsilica Overlay 3".

design firm
no. 184001036



USER NAME	=	DESIGNED	-	FWS / JLM	REVISED	-
		CHECKED	-	SBC	REVISED	-
PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	-	FWS / SBC	REVISED	-

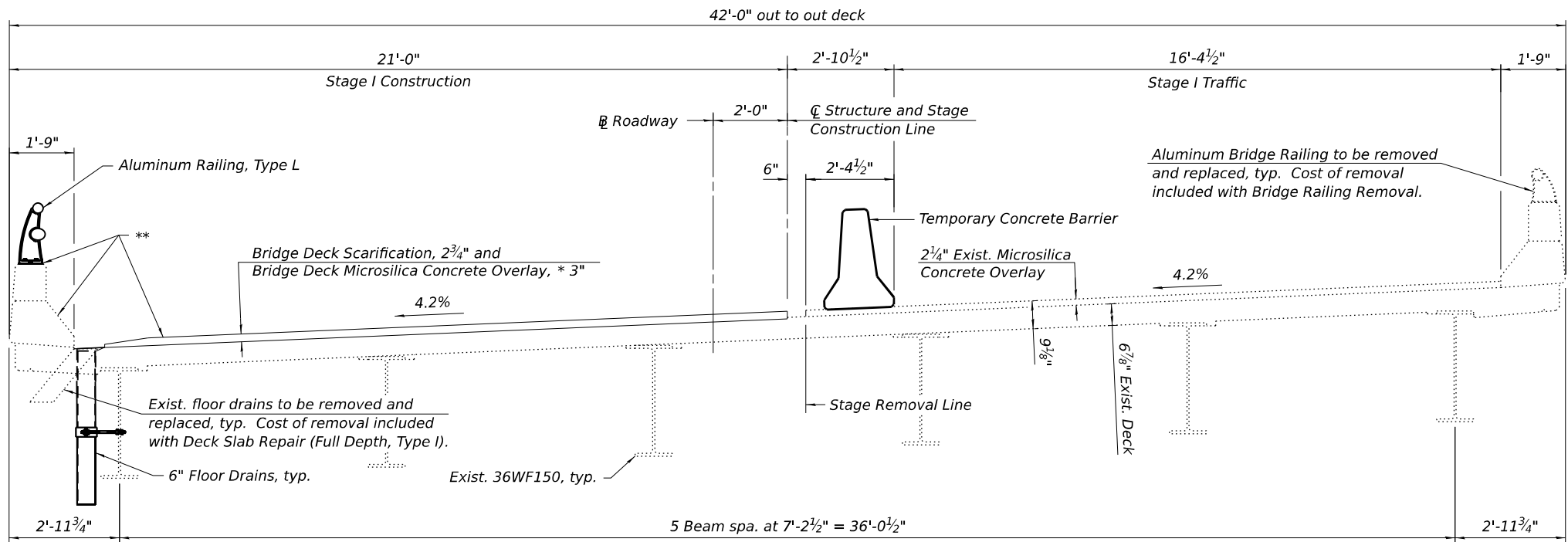
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

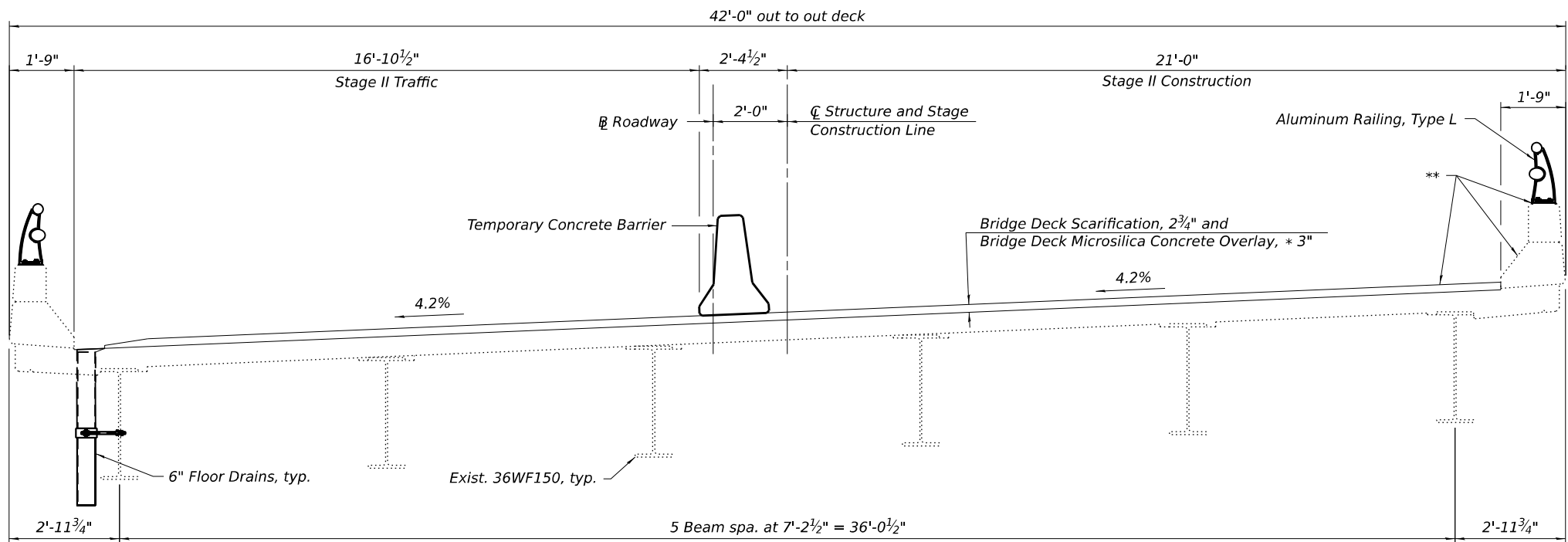
SHEET 2 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	69
		CONTRACT NO. 78B34		
		ILLINOIS	FED. AID PROJECT	

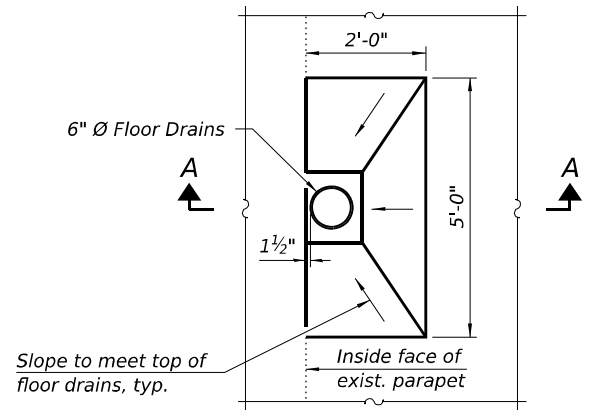
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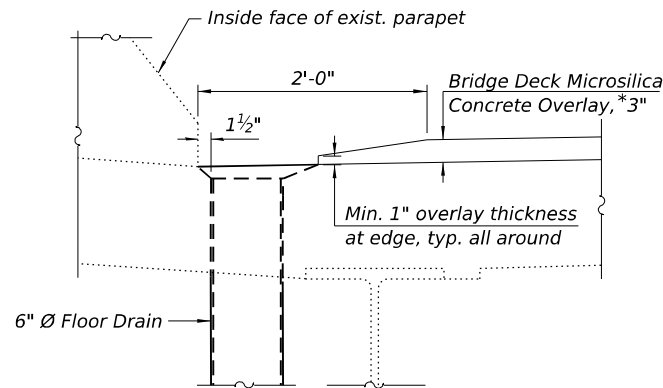
STAGE I CONSTRUCTION



STAGE II CONSTRUCTION



VIEW AT 6" Ø FLOOR DRAIN
(Stage I shown, Stage II similar)



SECTION A-A

Notes:

- North Bridge SN 041-0071 (WB) Looking West, South Bridge SN 041-0070 (EB) Looking East.
- All horizontal dimensions shown are radial except where noted.
- For quantities of Temporary Concrete Barrier, see Roadway plans.
- For details of Floor Drains, see sheet 5 of 15.
- For details of Aluminum Railing, see sheet 10 of 15.
- The floor drains shall be covered with plastic and taped shut immediately prior to the application of the protective coat. No protective coat must be allowed to stick to the floor drains. Immediately after the protective coat has dried, the plastic and tapes shall be removed from the floor drains. Cost included with Protective Coat.
- All floor drains shall be cleaned and flushed with water at the end of the contract. Cost included with Floor Drains.
- * Prior to grinding.
- ** Protective coat shall be applied to the Bridge Deck Concrete Overlay, the new Concrete Superstructure at the expansion joints and the top and inside faces of the existing parapets. Application shall be in accordance with Article 503.19 of the Standard Specifications.

(Sheet 1 of 3)

Design firm
no. 184001036



USER NAME	=	DESIGNED	-	FWS / JLM	REVISED	-
		CHECKED	-	SBC	REVISED	-
PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	-	FWS / SBC	REVISED	-

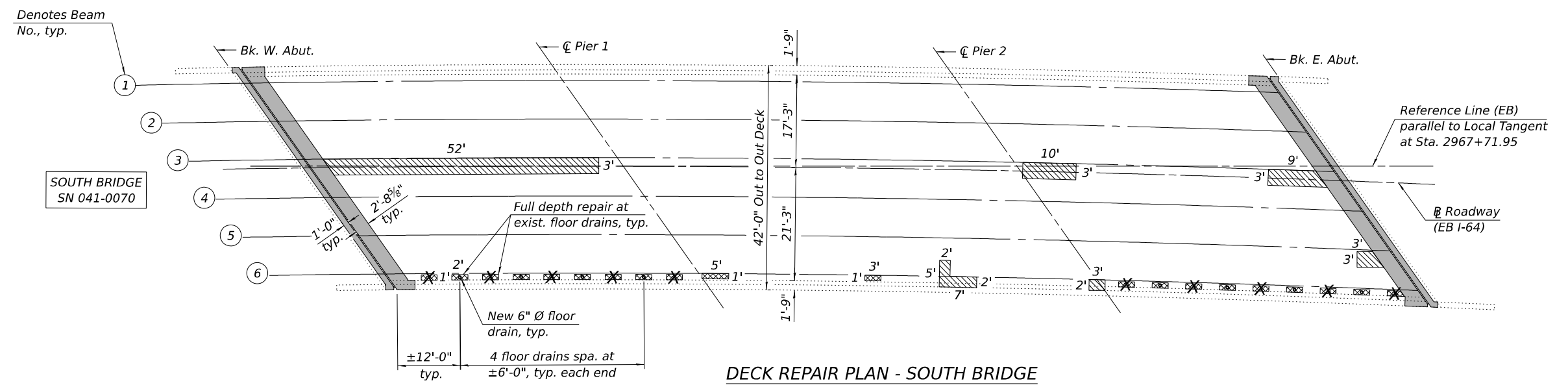
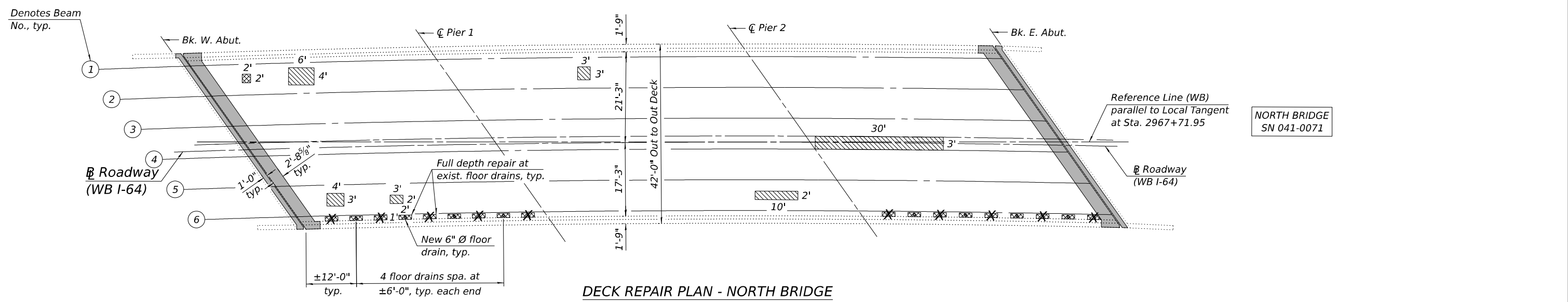
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR DETAILS
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

SHEET 3 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	70
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

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LEGEND

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Expansion joint reconstruction limits
- Existing floor drains to be eliminated

Notes:

- Quantities and limits of Deck Slab Repairs shown are estimated from the delamination survey completed by the District June 2025. Actual limits shall be determined in the field and noted in the As-Built Plans. See special provision for Deck Slab Repair.
- For expansion joint reconstruction details, see sheets 7 and 8 of 15.
- For floor drain replacement details, see sheet 5 of 15.
- For stage construction scheme, see sheet 3 of 15.

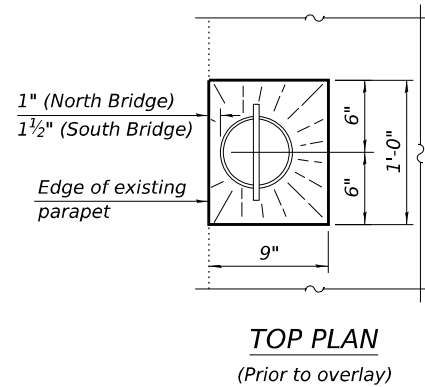
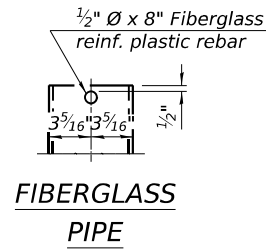
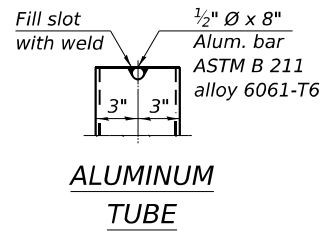
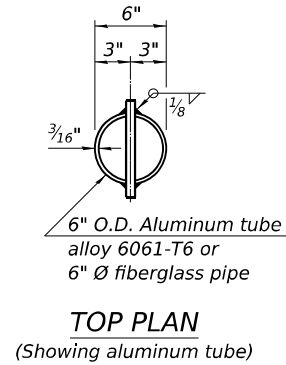
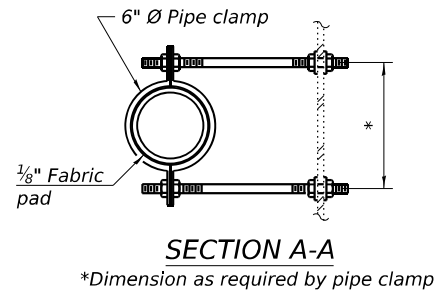
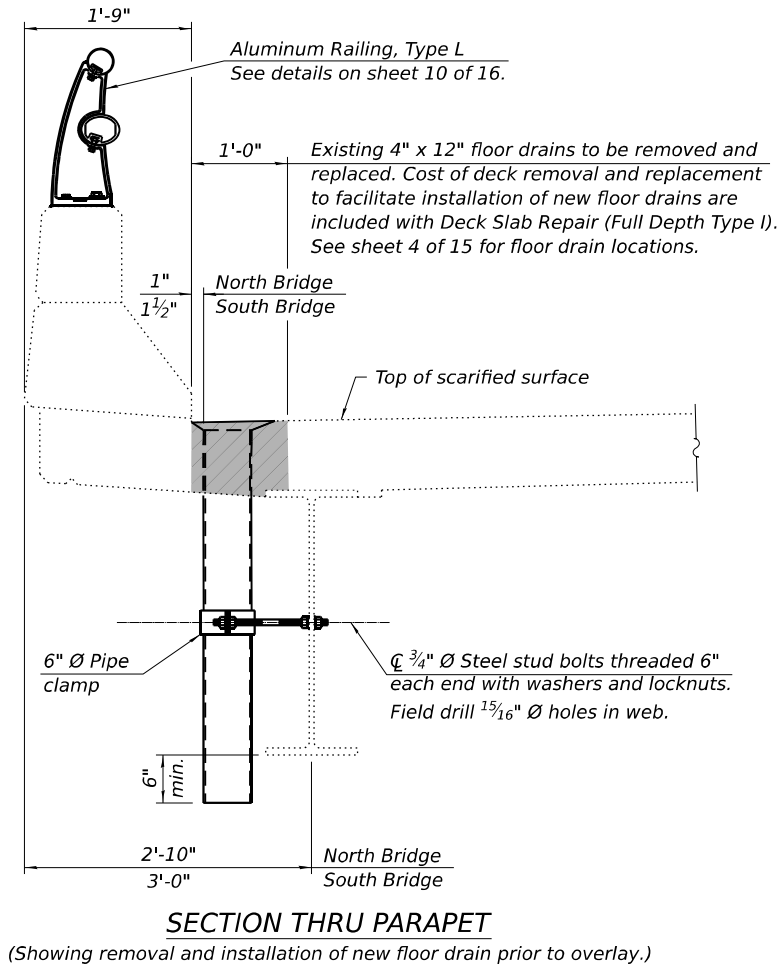
SUGGESTED SEQUENCE OF CONSTRUCTION

- (Existing Floor Drain Replacement & Elimination)
- Complete repairs at existing floor drain elimination locations.
 - Repair areas shall be protected and allowed to cure the minimum period specified in the Special Provision for Deck Slab Repair prior to proceeding.
 - Complete repairs at floor drain replacement locations.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq Yd	9
Deck Slab Repair (Full Depth, Type II)	Sq Yd	46

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-010257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410070-0071-D978B34.dgn



Notes:

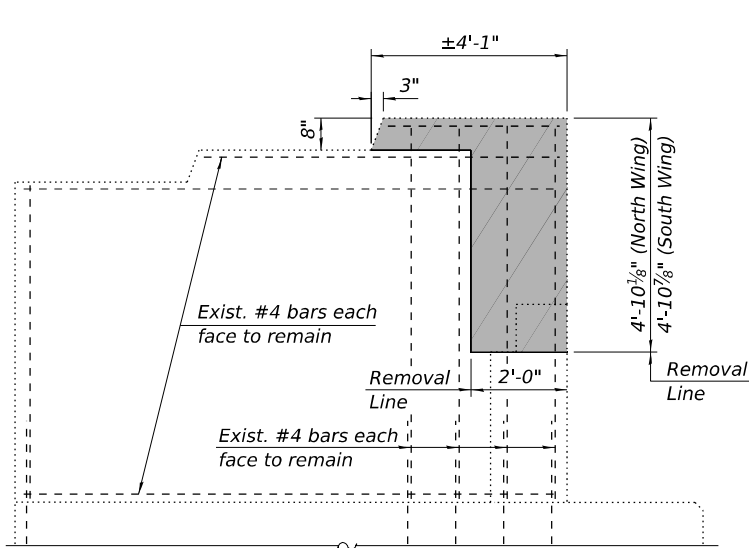
- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
- The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.
- The top portion of aluminum floor drains shall be coated with 5 mils. of either bitumen paint or epoxy paint to minimize reaction with wet concrete.
- The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.

BILL OF MATERIAL

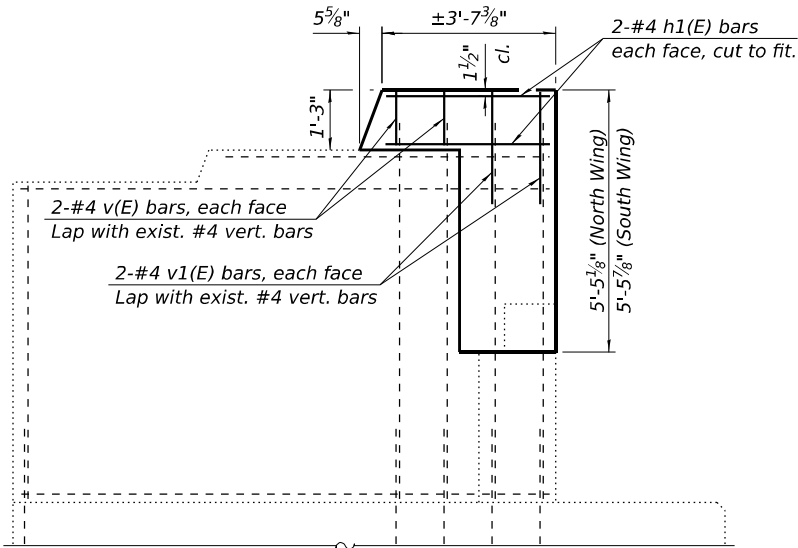
Item	Unit	Total
Floor Drains	Each	16
Protective Coat	Sq. Yd.	1,946
Bridge Deck Scarification 2 3/4"	Sq. Yd.	1,592
Bridge Deck Microsilica concrete Overlay 3"	Sq. Yd.	1,592
Diamond Grinding (Bridge Section)	Sq. Yd.	1,497
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	992

(Sheet 3 of 3)

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-910257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410070-0071-D978834.dgn



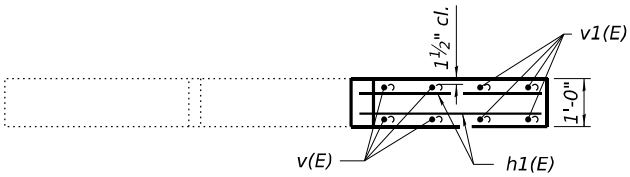
ELEVATION
(Showing Removal)



ELEVATION
(Showing Reconstruction)

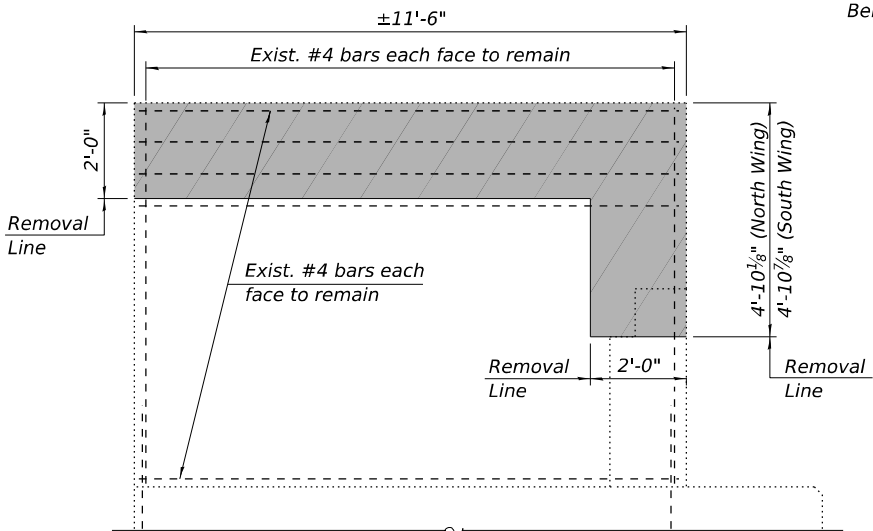
WING WALLS

(North Bridge SN 041-0071 (WB) - West Abutment)
(South Bridge SN 041-0070 (EB) - East Abutment, North Wing Wall)

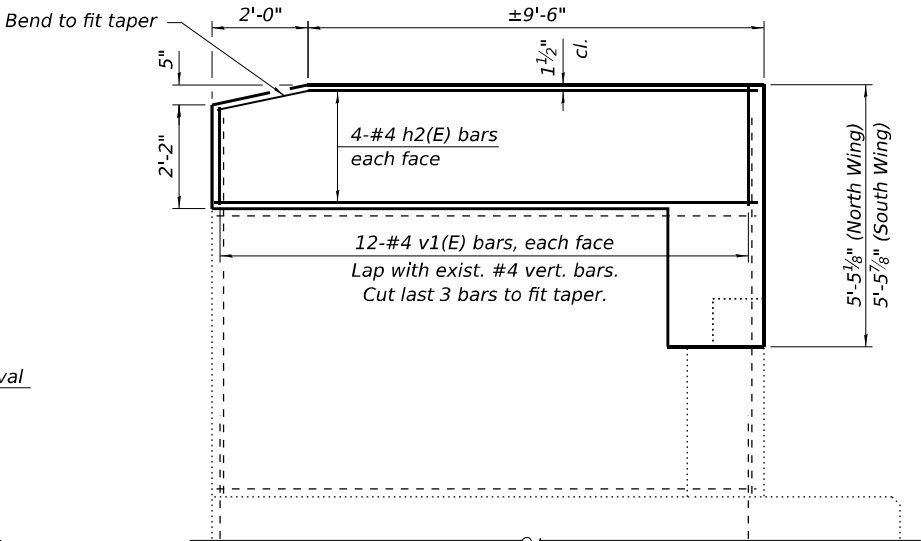


TOP PLAN
(Showing Reconstruction)

- Notes:
- Existing reinforcement bars extending into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 - For Bill of Material, see sheet 8 of 15.
 - Concrete for Wing Wall reconstruction is paid for as Concrete Structures.



ELEVATION
(Showing Removal)



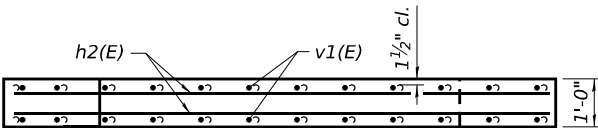
ELEVATION
(Showing Reconstruction)

WING WALLS

(North Bridge SN 041-0071 (WB) - East Abutment)
(South Bridge SN 041-0070 (EB) - West Abut. and East Abut., South Wing Wall)

LEGEND

Concrete Removal



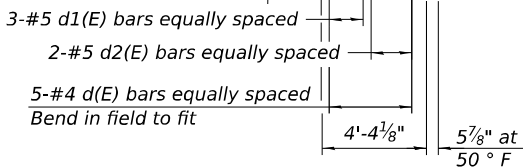
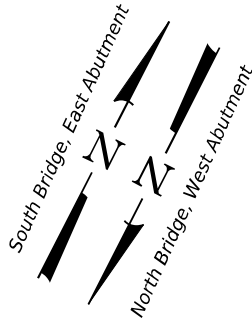
TOP PLAN
(Showing Reconstruction)

WING WALL EXTENSION DETAILS
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

SHEET 6 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	73
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

USER NAME	=	DESIGNED	-	FWS / JLM	REVISED	-
		CHECKED	-	SBC	REVISED	-
PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	-	FWS / SBC	REVISED	-



(Horiz. dim. at Rt. $\angle$'s)



(Horiz. dim. at Rt. $\angle$'s)

* Prior to grinding.

 Concrete Removal

(See partial plan for variable dimensions.)



(d2(E) bars at tapered end of parapets not shown for clarity.)

1. See existing plans for reinforcement bars not shown. Existing reinforcement bars extended into the removal areas that are not shown shall remain.
2. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications. When the deck is poured at an ambient temperature other than 50° F.
3. Removal and disposal of preformed joint strip seal shall be included with the cost of Concrete Removal.
4. Cut exist. longitudinal bars in parapet to fit new joint configuration. Cost included with Concrete Superstructure
5. For wing wall end post removal and reconstruction details, see sheet 6 of 15.
6. For Bill of Material, see sheet 8 of 15.

(Sheet 1 of 2)



USER NAME	=	DESIGNED	-	FWS / JLM	REVISED	-
		CHECKED	-	SBC	REVISED	-
PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

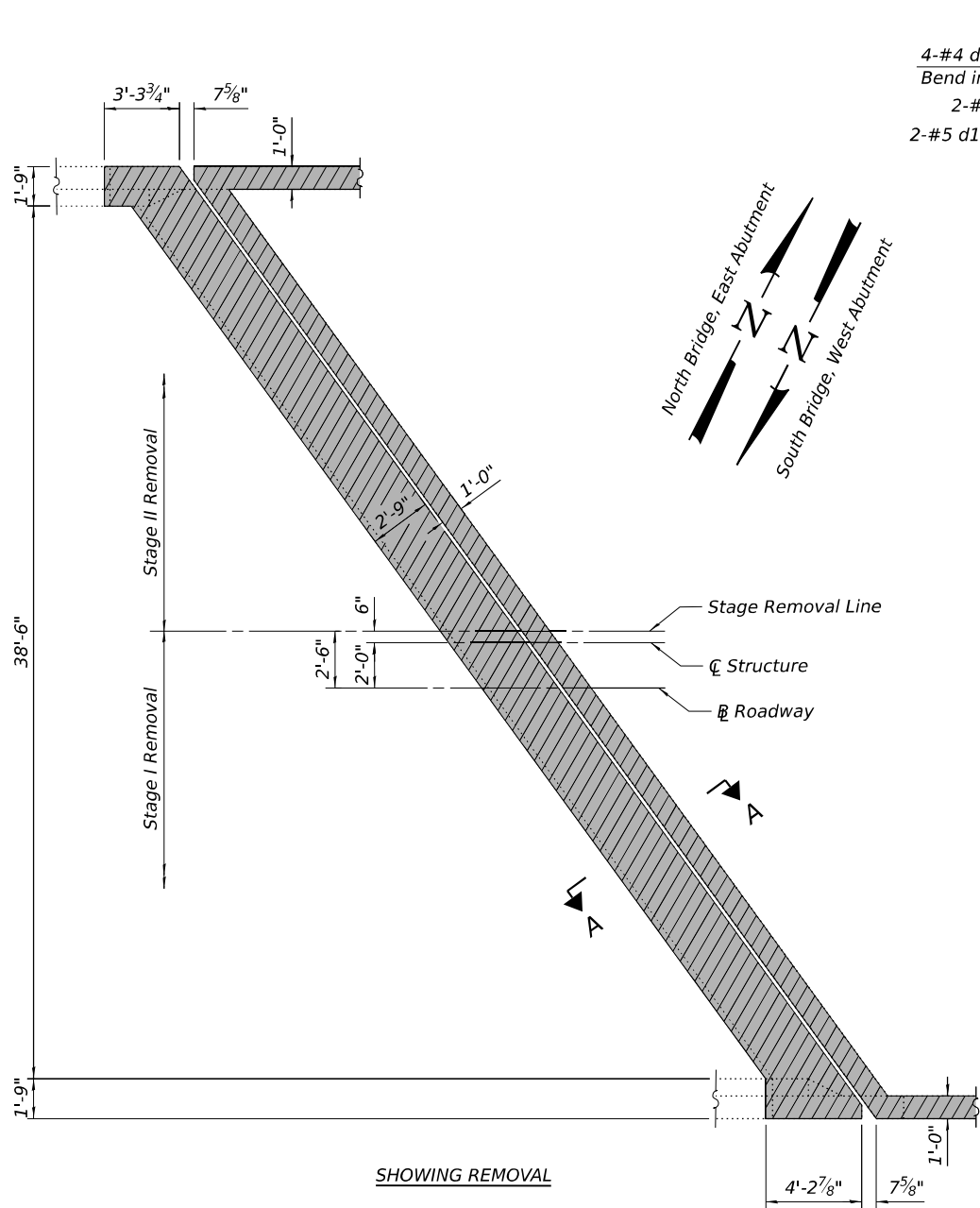
JOINT RECONSTRUCTION DETAILS
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

SHEET 7 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	74
CONTRACT NO. 78B34				
		ILLINOIS	FED. AID PROJECT	

ILLINOIS	FED. AID PROJECT
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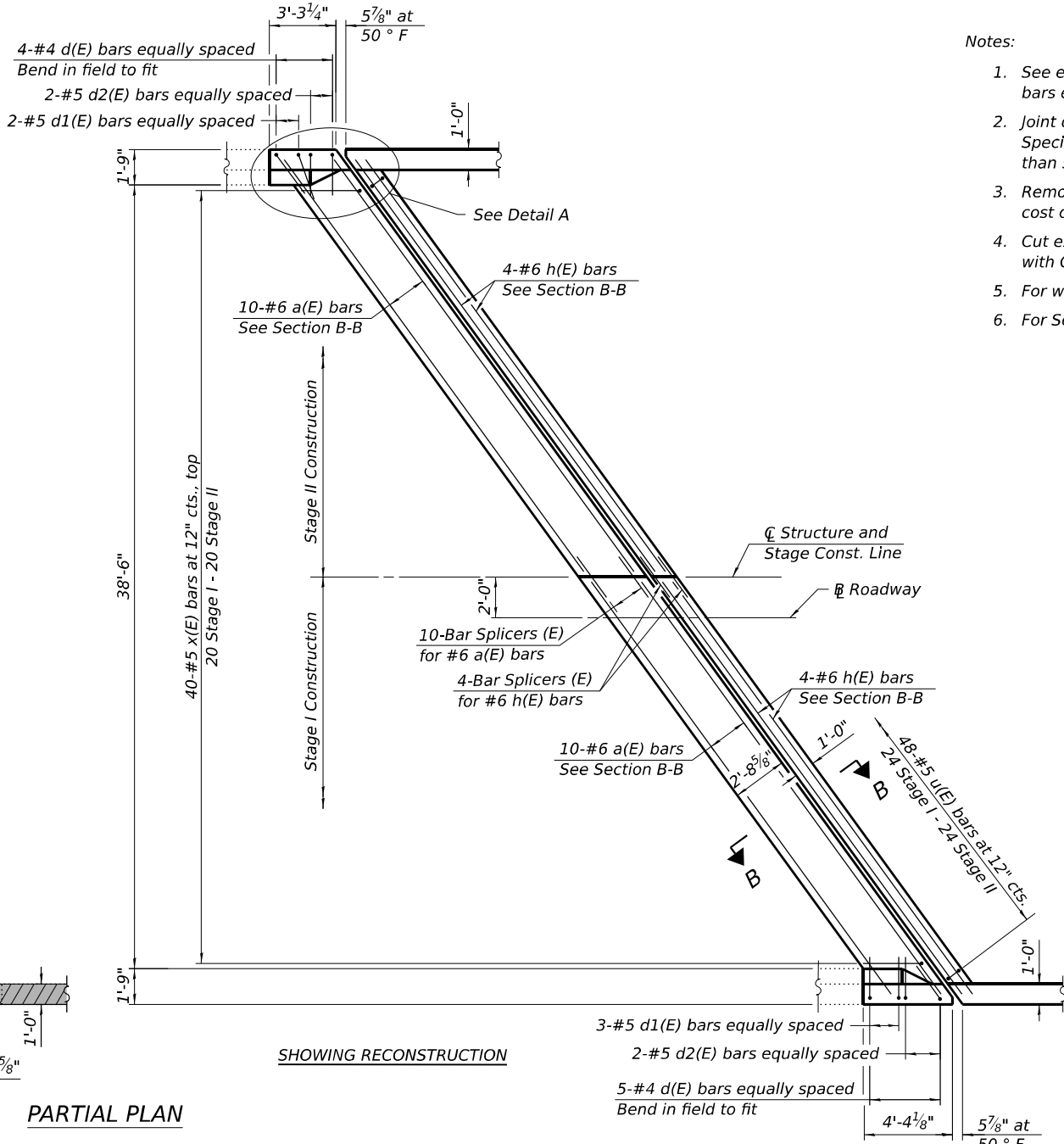


SHOWING REMOVAL

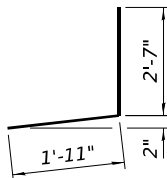
LEGEND

Concrete Removal

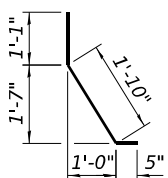
PARTIAL PLAN



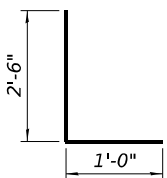
SHOWING RECONSTRUCTION



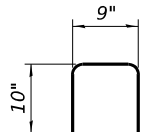
BAR d(E)



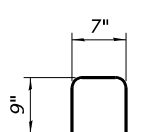
BAR d1(E)



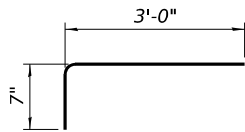
BAR d2(E)



BAR u(E)



BAR u1(E)



BAR x(E)

Notes:

- See existing plans for reinforcement bars not shown. Existing reinforcement bars extended into the removal areas that are not shown shall remain.
- Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications. When the deck is poured at an ambient temperature other than 50° F.
- Removal and disposal of preformed joint strip seal shall be included with the cost of Concrete Removal.
- Cut exist. longitudinal bars in parapet to fit new joint configuration. Cost included with Concrete Superstructure
- For wing wall end post removal and reconstruction details, see sheet 6 of 15.
- For Section A-A, Section B-B, Section Thru Parapet, and Detail A, see sheet 7 of 15.

BILL OF MATERIAL TWO STRUCTURES

Bar	No.	Size	Length	Shape
a(E)	80	#6	25'-2"	—
d(E)	36	#4	4'-6"	┘
d1(E)	20	#5	3'-4"	┘
d2(E)	16	#5	3'-6"	┘
h(E)	32	#6	25'-2"	—
h1(E)	12	#4	3'-10"	—
h2(E)	40	#4	11'-3"	—
u(E)	192	#5	2'-5"	┘
u1(E)	16	#4	2'-1"	┘
v(E)	12	#4	1'-0"	—
v1(E)	132	#4	2'-4"	—
x(E)	160	#5	3'-7"	┘
Concrete Removal			Cu. Yd.	42.9
Concrete Structures			Cu. Yd.	8.5
Concrete Superstructure			Cu. Yd.	38.1
Reinforcement Bars, Epoxy Coated			Pound	6,120
Bar Splicers			Each	56

(Sheet 2 of 2)

Design firm
no. 184.001036



USER NAME	=	DESIGNED	-	FWS / JLM	REVISED	-
		CHECKED	-	SBC	REVISED	-
PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
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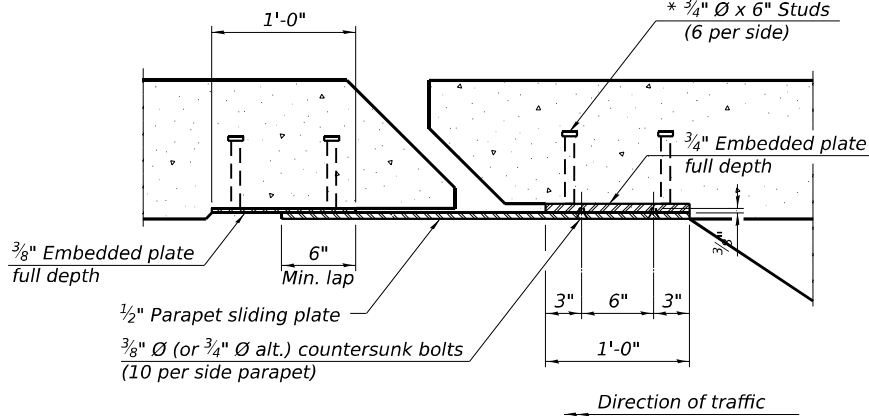
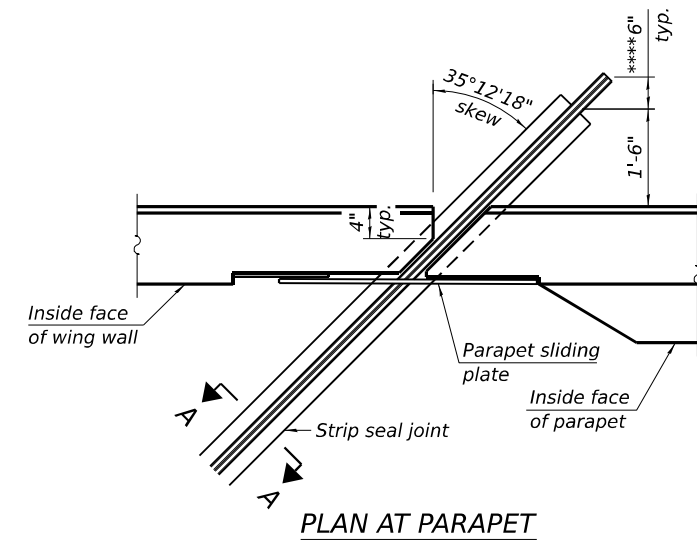
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT RECONSTRUCTION DETAILS
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

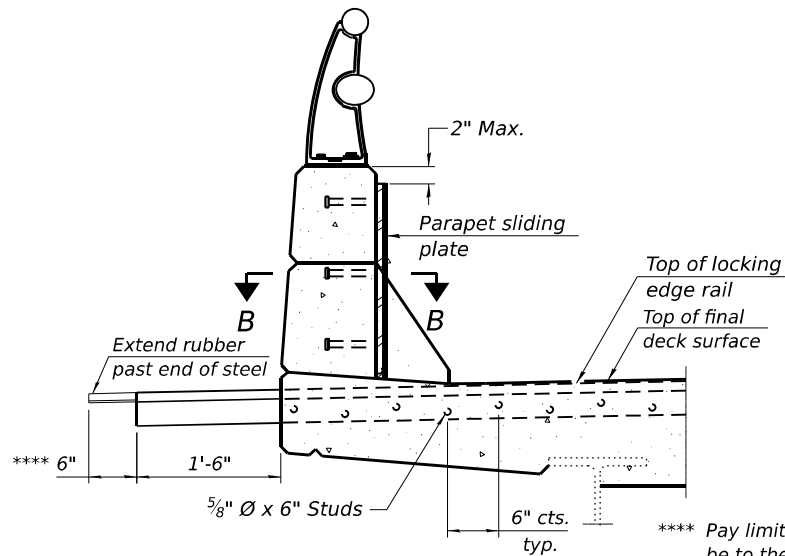
SHEET 8 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

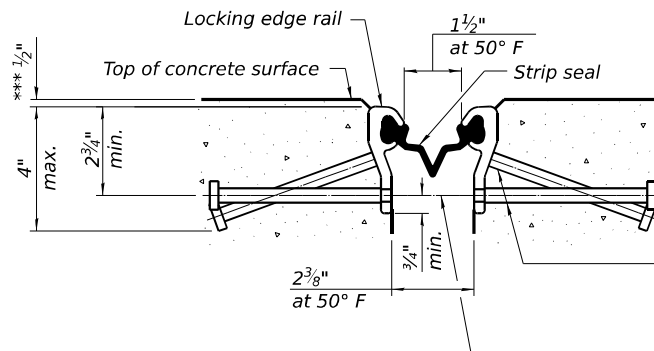
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SECTION B-B
($\frac{3}{4}$ " Ø countersunk bolts extending into concrete shall have hex nuts tack welded to the back of the embedded plates with end caps provided.)



SECTION AT PARAPET



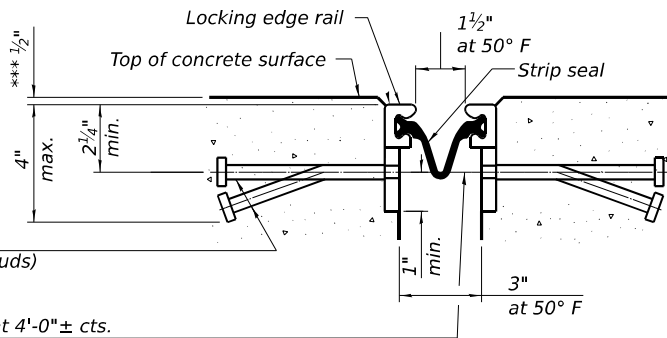
SHOWING ROLLED RAIL JOINT

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

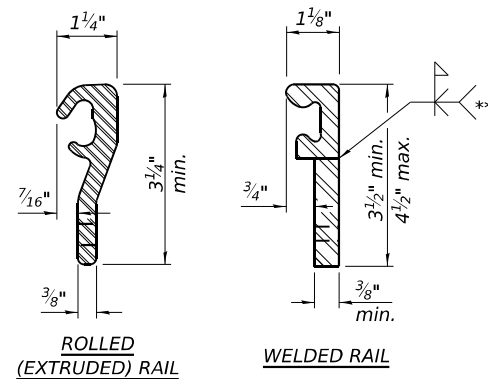
$\frac{3}{8}$ " Ø threaded rods in $\frac{7}{16}$ " Ø holes at 4'-0" ± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

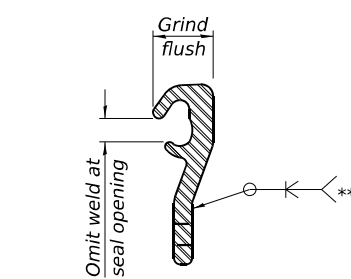


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

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



LOCKING EDGE RAIL SPLICE

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	220

Design firm
no. 184.001036



USER NAME	=
PLOT DATE	=
PLOT TIME	=

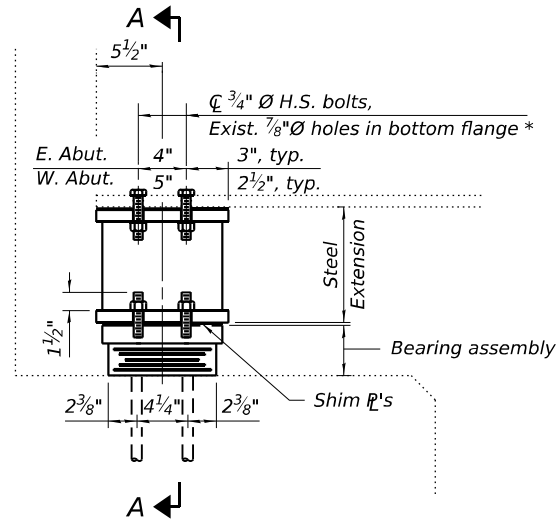
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CHECKED	-	SBC	REVISED	-
DRAWN	-	DLH / JLM	REVISED	-
CHECKED	-	FWS / SBC	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

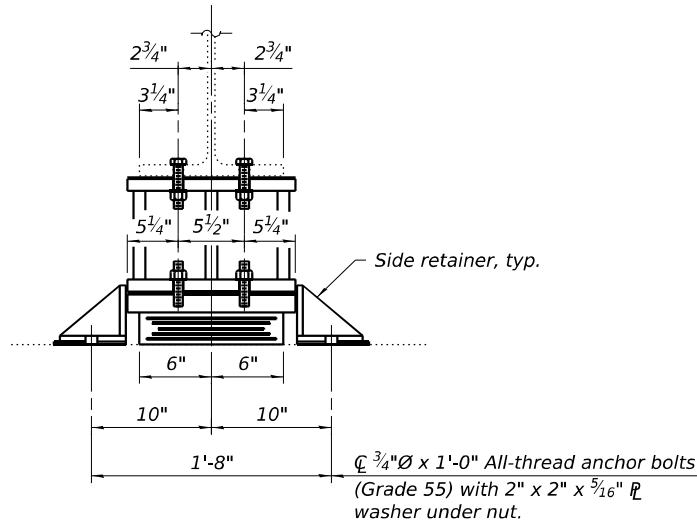
**PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)**

SHEET 9 OF 15 SHEETS

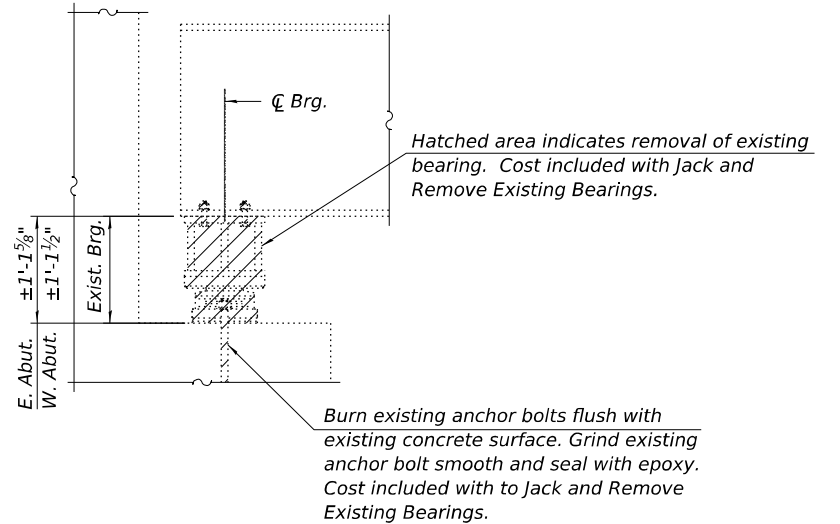
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	76
				CONTRACT NO. 78B34
ILLINOIS FED. AID PROJECT				



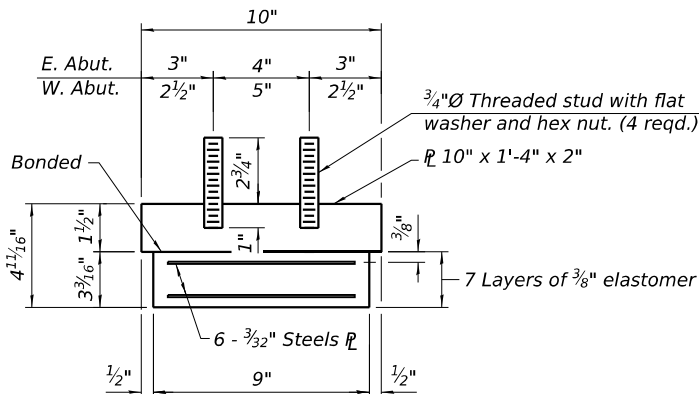
ELEVATION AT ABUTMENT



SECTION A-A



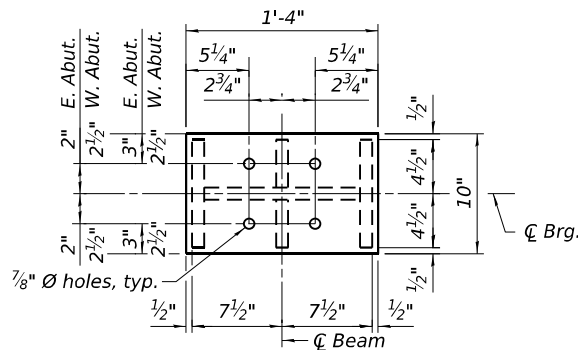
EXISTING BEARING REMOVAL DETAIL
(East abutment shown. West abutment similar.)



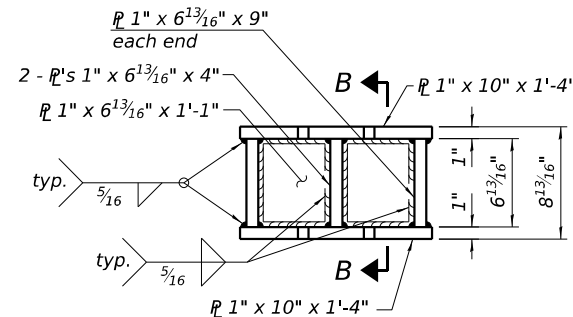
BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.

* The existing bolt hole pattern and dimensions are from existing plans. The Contractor shall field verify existing dimensions and make any necessary approved adjustments before ordering material.



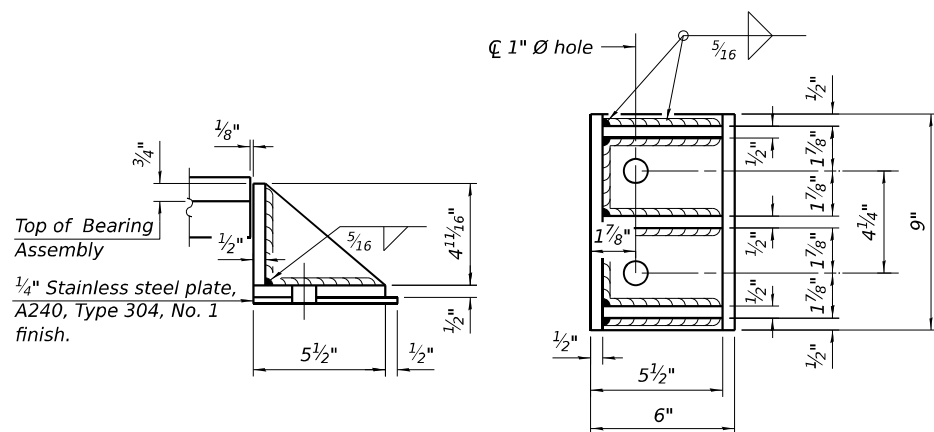
STEEL BEARING EXTENSION



SECTION B-B

UNFACTORED BEAM REACTIONS

R ₀	(K)	25.1
R ₁	(K)	29.0
Imp.	(K)	8.7
R (total)	(K)	62.8



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

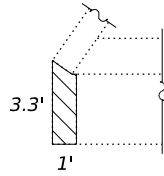
Notes:

- The Contractor shall submit for approval by the Engineer, plans for jacking and removing existing bearings prior to commencing any related work. Minimum jack capacity = 35 tons. See Special Provisions for Jack and Remove Existing Bearings.
- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
- Anchor bolts for side retainers may be installed in holes drilled before or after members are in place.
- Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
- Side retainers and other steel members required for the elastomeric bearing assembly, except steel bearing extension, fill plates, and bolts in bottom flange shall be included in the cost of Elastomeric Bearing Assembly, Type I. Steel bearing extensions, fill plates, and bolts in bottom flange are included in the quantity for Furnishing and Erecting Structural Steel.
- Two 1/8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details. Cost included with Furnishing and Erecting Structural Steel.

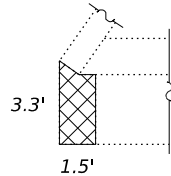
BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pounds	4,040
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts, 3/4"	Each	96
Jack and Remove Existing Bearings	Each	24

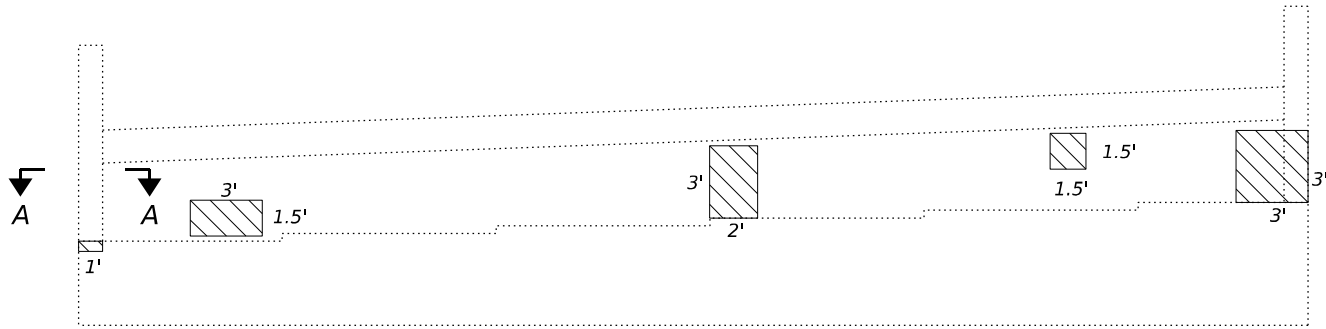
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VIEW A-A

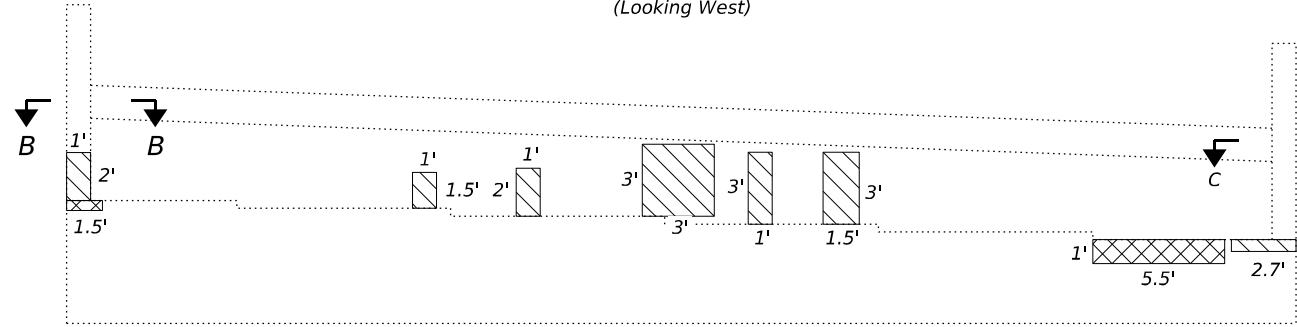


VIEW B-B



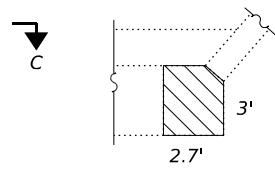
WEST ABUTMENT ELEVATION

(Looking West)

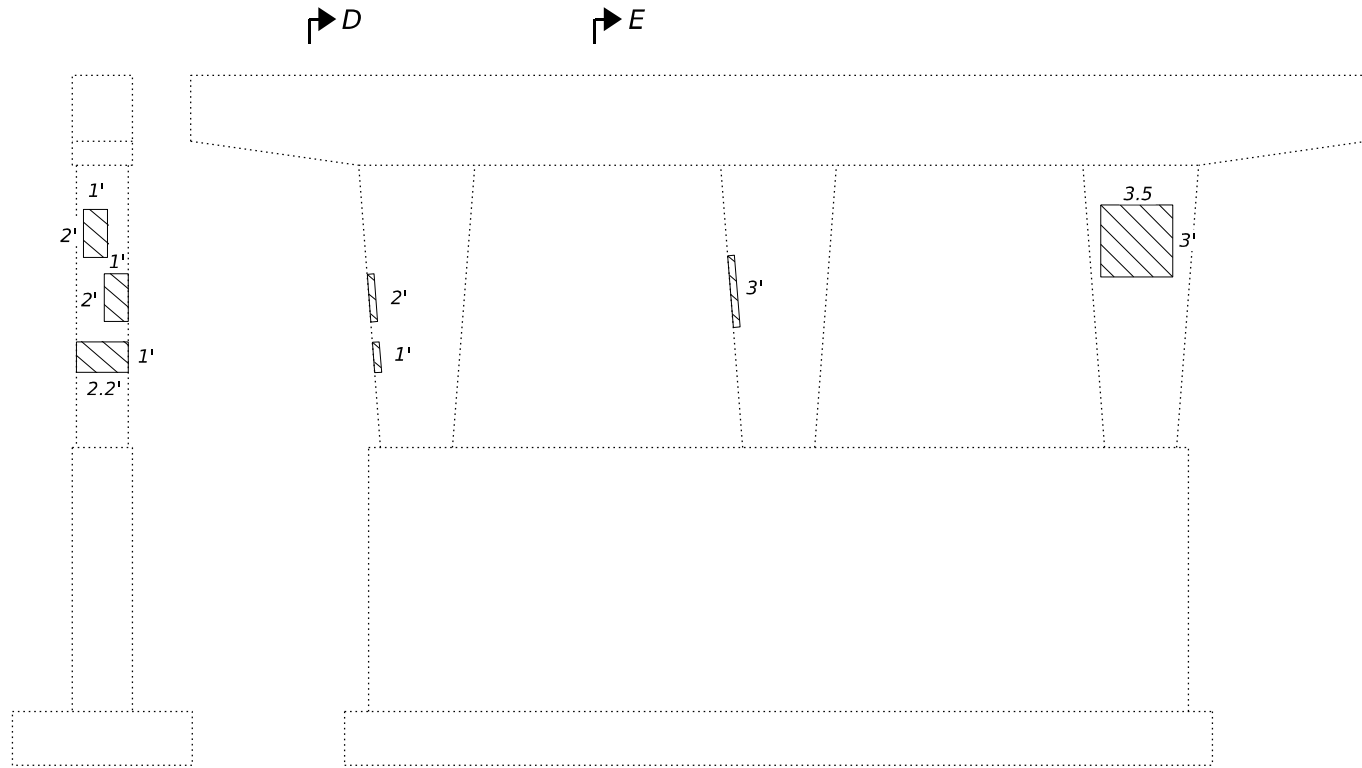


EAST ABUTMENT ELEVATION

(Looking East)



VIEW C-C



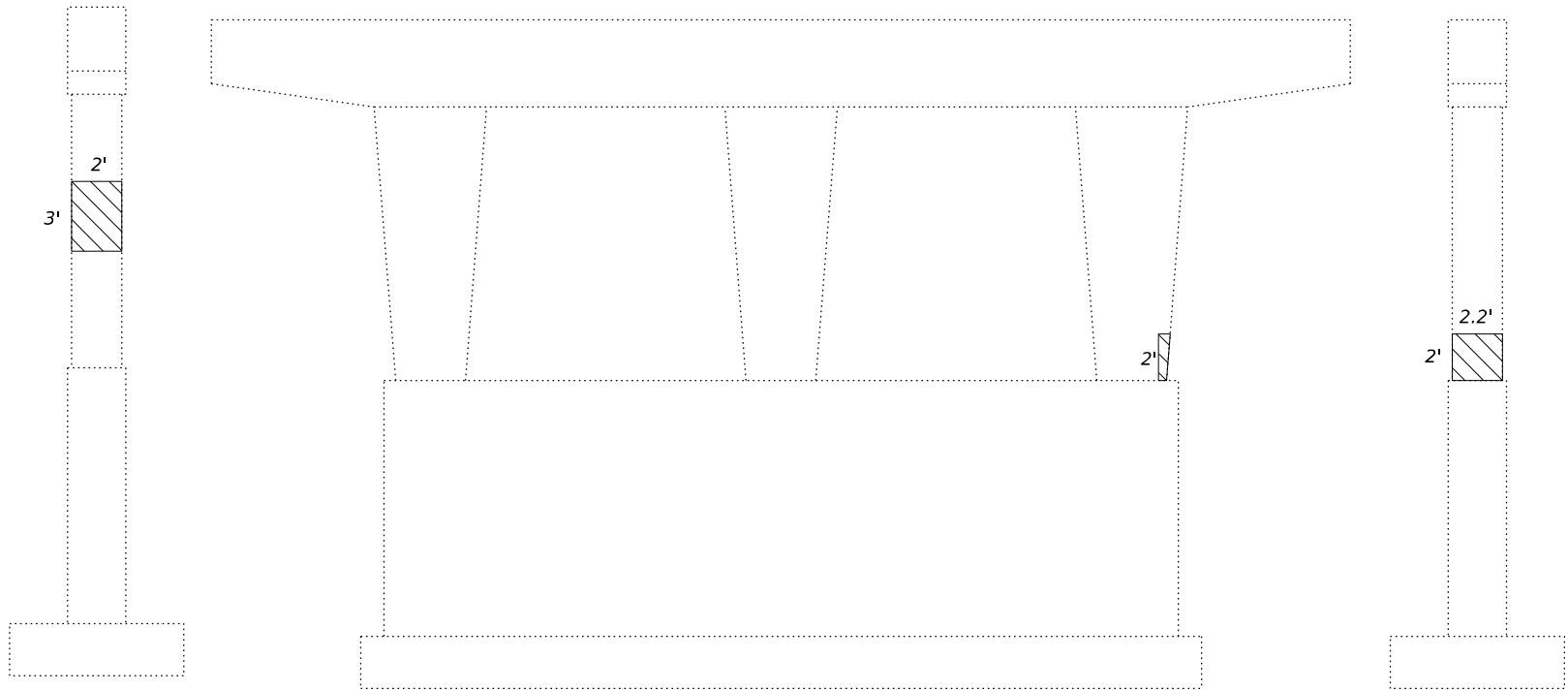
VIEW D-D

D

E

PIER 1 ELEVATION

(Looking East)



PIER 2 ELEVATION

(Looking East)

VIEW F-F

F

LEGEND



Structural Repair of Concrete (Depth equal to or less than 5 inches)



Structural Repair of Concrete (Depth equal to or greater than 5 inches)

Note:

Substructure repairs may be done under full traffic or as directed by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	82
Structural Repair of Concrete (Depth equal to or greater than 5 inches)	Sq. Ft.	11

design firm
no. 184001036



USER NAME	=	DESIGNED	-	FWS / JLM	REVISED	-
		CHECKED	-	SBC	REVISED	-
PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	-	FWS / SBC	REVISED	-

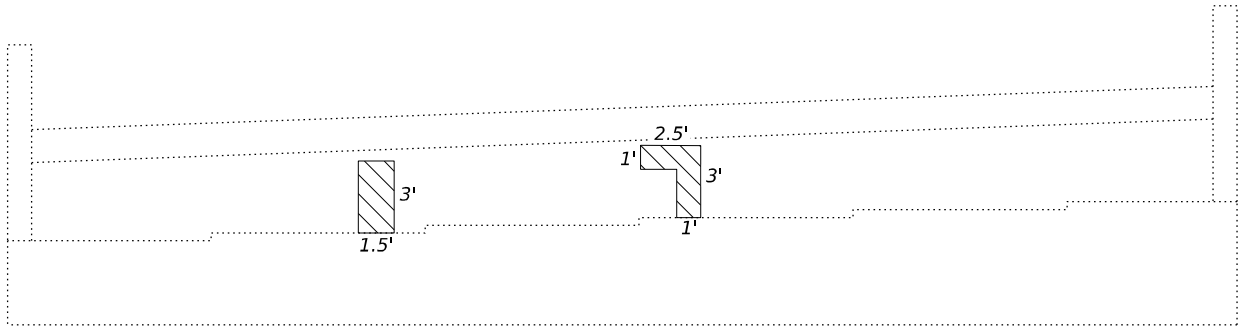
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS - NORTH BRIDGE
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

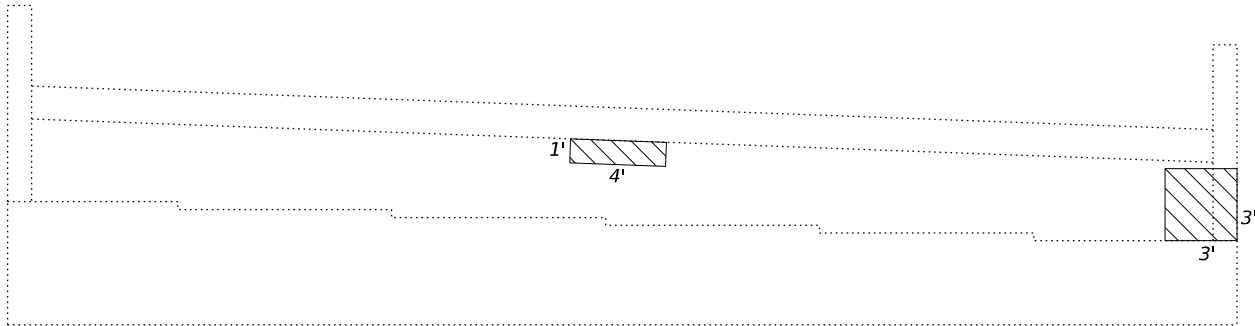
SHEET 12 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	79
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-010257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410070-0071-D978834.dgn

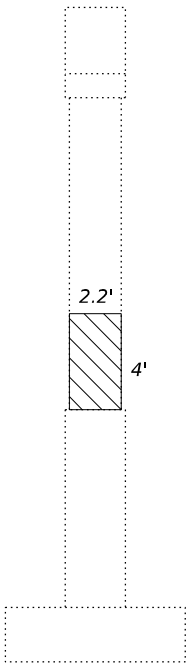


WEST ABUTMENT ELEVATION
(Looking West)



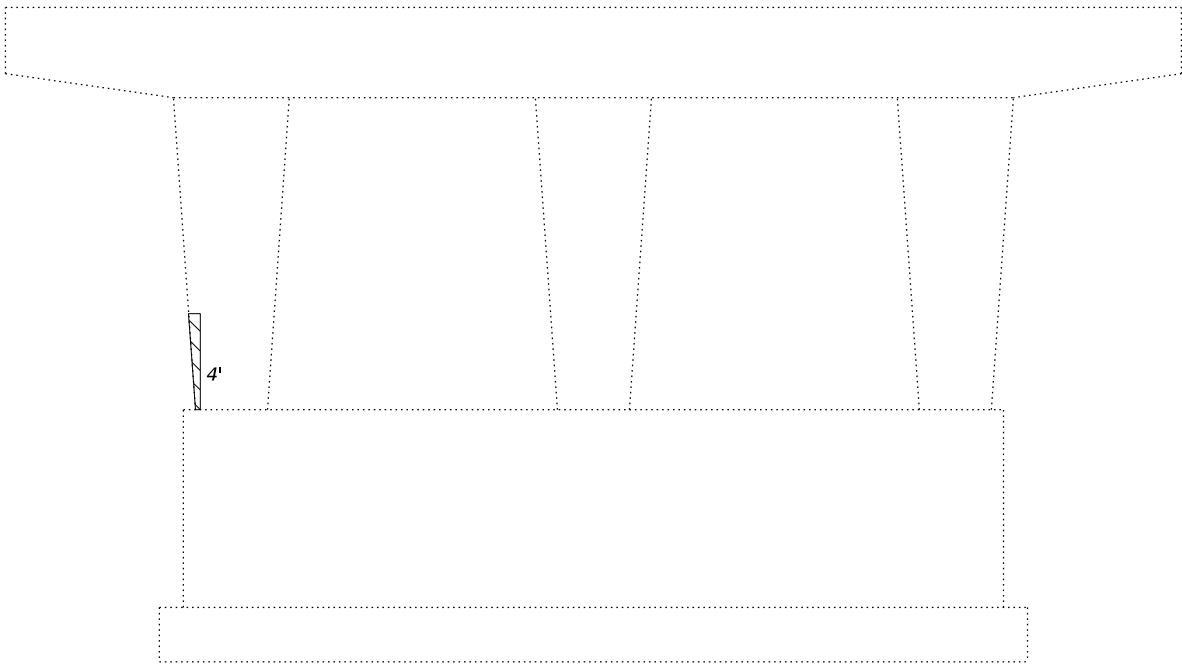
EAST ABUTMENT ELEVATION
(Looking East)

➤ A



VIEW A-A

➤ A



PIER 2 ELEVATION
(Looking West)

LEGEND



Structural Repair of Concrete (Depth equal to or less than 5 inches)

Note:
Substructure repairs may be done under full traffic
or as directed by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	31

design firm
no. 184001036



USER NAME	=	DESIGNED	-	FWS / JLM	REVISED	-
		CHECKED	-	SBC	REVISED	-
PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	-	FWS / SBC	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE REPAIR DETAILS - SOUTH BRIDGE
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)**

SHEET 13 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	80
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

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design firm
no. 184001036

whks

engineers + planners + land surveyors

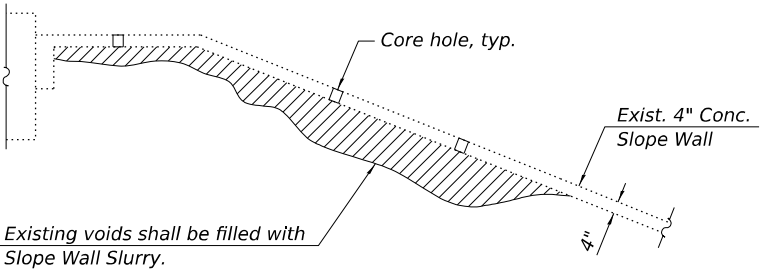
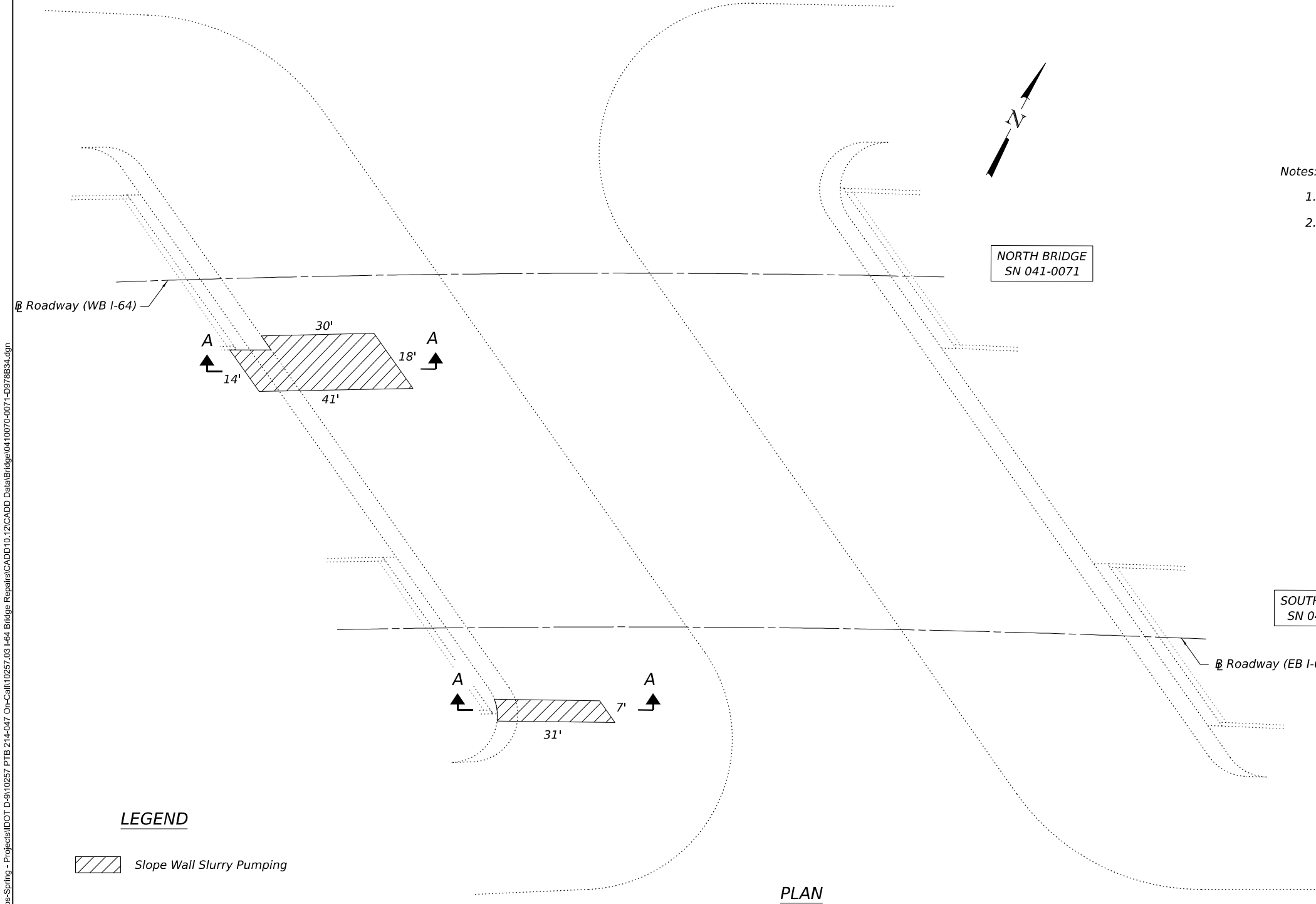
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PLOT DATE	=	DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOPE WALL REPAIR DETAILS
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

SHEET 14 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	81
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				



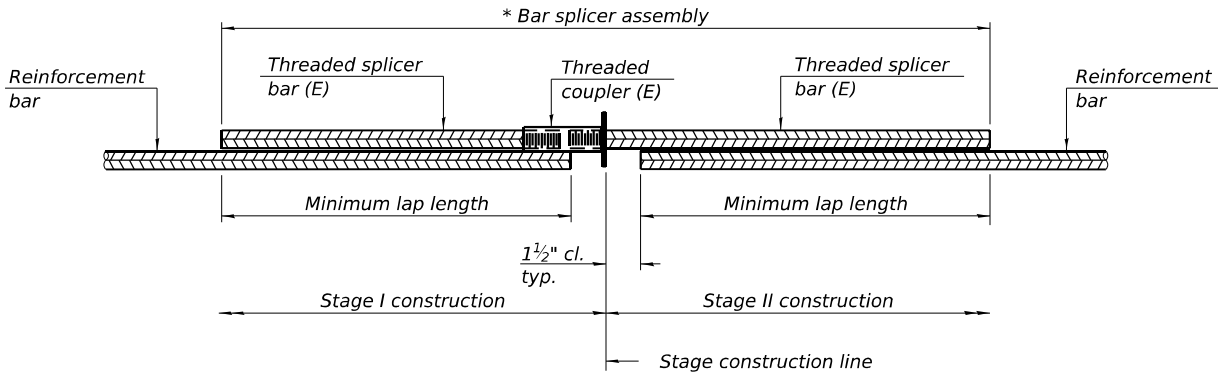
- Notes:
- See special provisions for Slope Wall Slurry Pumping.
 - The quantity 33.7 cu. yds. of Slope Wall Slurry has been estimated from the field survey completed June 2025 assuming an average depth of 1.50 feet. The required quantities may vary and the Engineer shall adjust the quantities as required to suit the field conditions. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantities actually furnished at the unit price bid for the work.

- Suggested Sequence:
- Mark area of suspected void below slope wall.
 - Core and/or cut hole(s) into slope wall for placement of Slope Wall Slurry.
 - Fill void with Slope Wall Slurry.
 - Use Slope Wall Slurry to fill cored and/or cut hole(s) to top of slope wall.

BILL OF MATERIAL

Item	Unit	Total
Slope Wall Slurry Pumping	Cu. Yd.	50.6

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-910257 PTB 214-047 On-Call\10257.03 L&S Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410070-0071-D978834.dgn



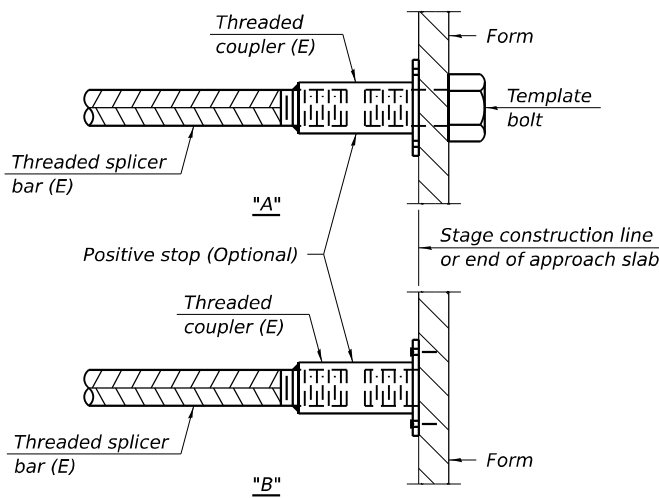
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

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

Location	Bar size	No. assemblies required	Minimum lap length
Joint Replacement	#6	56	3'-11"

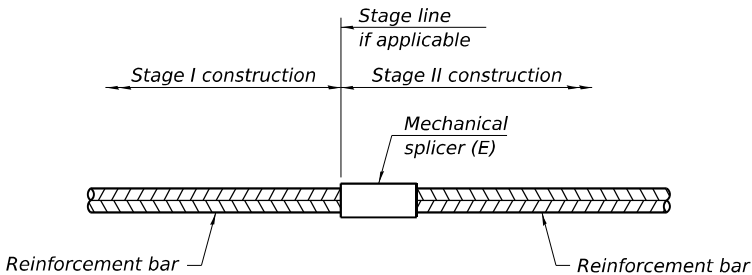


INSTALLATION AND SETTING METHODS

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

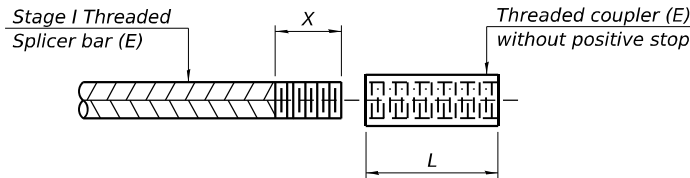
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

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

BSD-1

4-4-2025



USER NAME =	DESIGNED - FWS / JLM	REVISED -
	CHECKED - SBC	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - FWS / SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

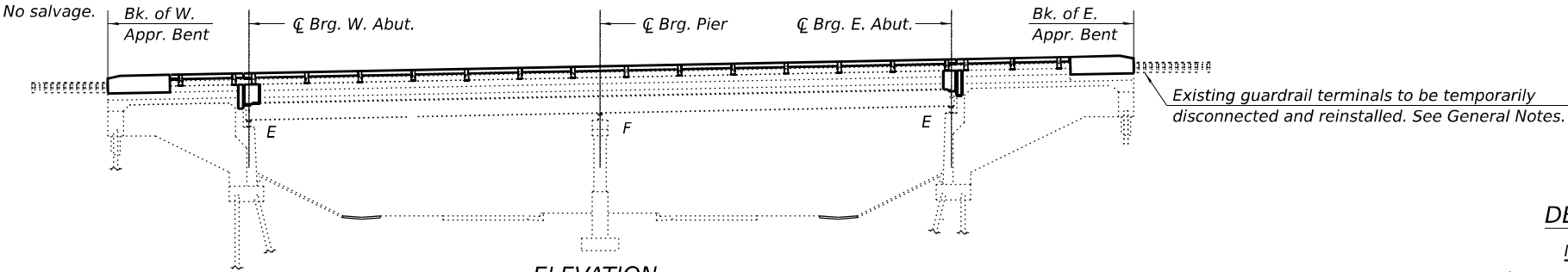
SHEET 15 OF 15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	82
		CONTRACT NO. 78B34		
		ILLINOIS FED. AID PROJECT		

Existing Structure: Structure Nos. 041-0081 and 041-0082 were built in 1974, F.A.I. 64, Section 41-9HB-3. Each structure consists of a two span reinforced concrete deck with continuous steel wide flange beams, composite in positive moment regions only, and two reinforced concrete slab approach spans. The substructure units consist of reinforced concrete closed vaulted abutments, reinforced concrete approach bents, and a reinforced concrete hammerhead, multicolumn pier. Approach bents and vaulted abutments are supported on steel H-piles. Piers are supported on reinforced concrete spread footings. Span lengths for each bridge are 22'-6", 56'-7", 56'-7", and 29'-4", respectively. The back-to-back of abutment dimension measures 165'-2" and the out-to-out dimension measures 44'-0" for 041-0081 (EB) and varies from 55'-9¾" to 49'-10½" for 041-0082 (WB). The structures are skewed 8°30'43" right forward. The bridges were resurfaced with a microsilica overlay in 2000 and new elastomeric bearings were installed at the abutments in 2020. Traffic shall be maintained utilizing staged construction.

Salvage:

No salvage.



DESIGN STRESSES

NEW CONSTRUCTION

$f'_c = 3,500$ psi (Substructure Concrete)
 $f'_c = 4,000$ psi (Superstructure Concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (AASHTO M-270, Gr. 36)

EXISTING CONSTRUCTION

$f'_c = 3,000$ psi (Deck)
 $f'_c = 3,500$ psi (Curb, Parapet, Substructure)
 $f_y = 40,000$ psi (Reinforcement)
 $f_y = 40,000$ psi (Structural Steel)

INDEX OF SHEETS

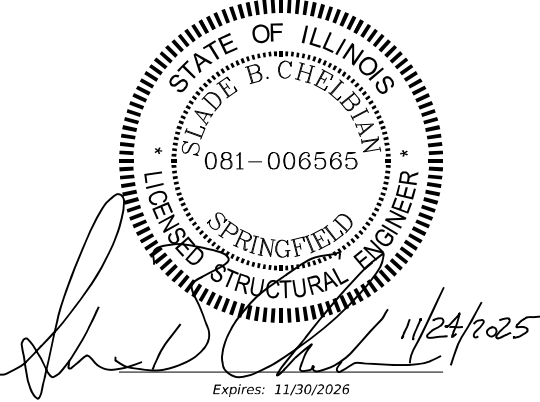
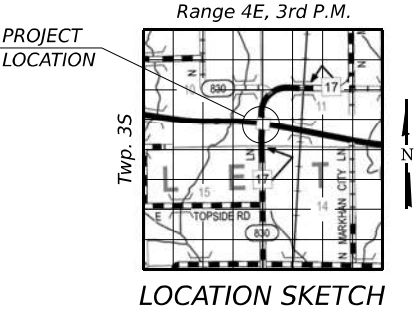
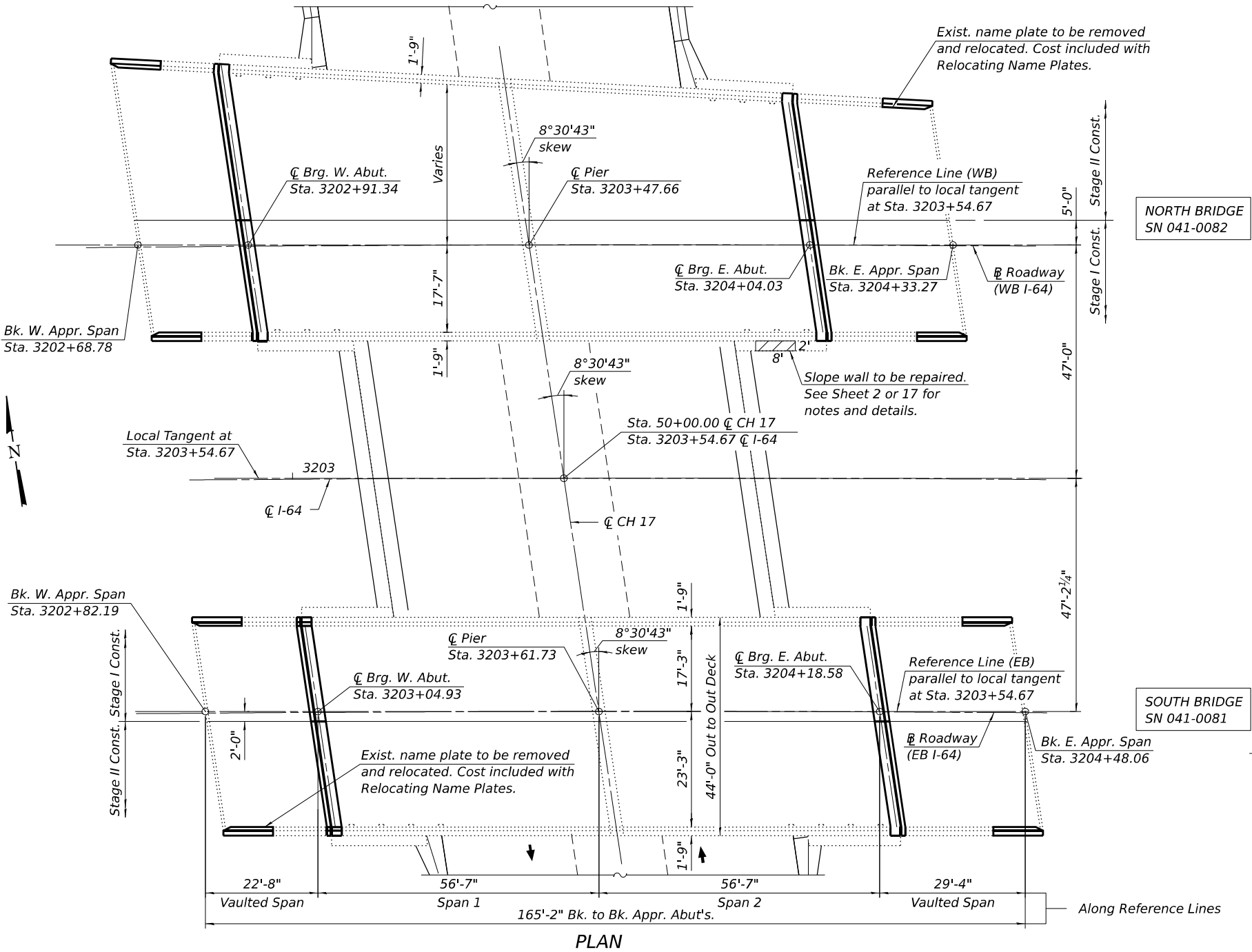
- General Plan and Elevation
- General Data
- Shoring and Cribbing Details
- 9. Deck Repair Details
- 10.-11. Joint Reconstruction Details
- Preformed Joint Strip Seal
- Aluminum Railing, Type L
- Structural Steel Repairs
- Substructure Repair Details
- Bar Splicer Assembly and Mechanical Splicer Details

DESIGN SPECIFICATIONS

2002 Standard Specifications for Highway Bridges, 17th Edition
(New Construction Only)

SCOPE OF WORK

- Repair concrete vaulted slab and bridge deck.
- Replace existing floor drains with 6" Φ floor drains.
- Scarify vaulted slab and bridge deck 3" and replace with ¾" Microsilica overlay.
- Remove and reconstruct strip seal joints at vaulted abutments.
- Repair beam ends and replace end diaphragms at vaulted abutments.
- Perform substructure repairs.
- Perform diamond grinding, bridge deck grooving, and apply protective coat.
- Remove and replace aluminum bridge railing and modify vaulted span parapets, as necessary.
- Fill void under slope wall at SN 041-0082 and under east approach at SN 041-0081.



GENERAL PLAN AND ELEVATION
I-64 OVER F.A.S. 830 (CH 17)
F.A.I. 64 - SECTION D9 BRIDGE OVERLAY 2026-1
JEFFERSON COUNTY
STA. 3203+54.67
STRUCTURE NO. 041-0081 (E.B.)
STRUCTURE NO. 041-0082 (W.B.)

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-9\10257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\041-0081-0082-D9\78B34.dgn

design firm
no. 184001036



USER NAME	= jmontrey	DESIGNED	- FWS	REVISED	-
CHECKED	- SBC	CHECKED	- SBC	REVISED	-
PLOT DATE	=	DRAWN	- DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 1 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	83
				CONTRACT NO. 78B34
				ILLINOIS FED. AID PROJECT

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\MDOT D-8\10257 - PTB 214-047 On-Call\10257.03-164 Bridge Repairs\CADD\10.12\CADD Data\Bridge\04-10081-0082-D878B34.dgn

GENERAL NOTES

1.

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
3.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC – SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.

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.
4.

No field welding is permitted except as specified in the contract documents.
5.

Reinforcement bars designated (E) shall be epoxy coated.
6.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the contractor’s expense.
7.

The Contractor shall take appropriate measures to ensure that Protective Coat is not applied to the floor drains and drainage inlets.
8.

Cleaning and field painting of structural steel shall be done under a separate painting contract.
9.

All new structural steel shall be hot-dip galvanized. See Special Provisions for Hot Dip Galvanizing for Structural Steel.
10.

All structural steel shall conform to AASHTO Classification M-270, Gr. 36, unless noted otherwise.
11.

Fasteners shall be ASTM F 3125, Gr. A325 Type I. Fasteners shall be hot dip galvanized. See Special Provisions for Hot Dip Galavanizing for Structural Steel. Bolts ¾" Ø, open holes 1⅜" Ø, unless otherwise noted.
12.

Up to ¾" to be ground off the slab in the vaulted spans and the bridge deck in Span 1 and Span 2.
13.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision Cleaning and Painting Contact Surface Areas of Existing Steel Structures, and the Standard Specifications. Cost included with Structural Steel Repair.
14.

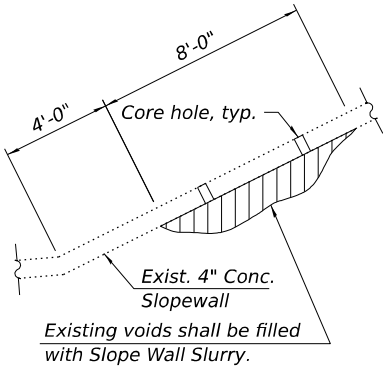
Existing guardrail terminals shall be temporarily disconnected, removed, and stockpiled on-site to facilitate the parapet extension. Any damaged materials intended for reuse shall be repaired or replaced by the Contractor in a manner satisfactory to the Engineer. New hardware shall be provided by the Contractor to secure the guardrail terminal to the parapet and posts. Cost included with Concrete Removal.
15.

For abbreviated existing plans, see sheets 128 thru 140.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Concrete Removal	Cu. Yd.	35.8		35.8
Bridge Rail Removal	Foot	576		576
Floor Drains	Each	20		20
Concrete Superstructure	Cu. Yd.	38.2		38.2
Protective Coat	Sq. Yd.	1,879		1,879
Reinforcement Bars, Epoxy Coated	Pound	6,280		6,280
Bar Splicers	Each	48		48
Aluminum Railing, Type L	Foot	577		577
Preformed Joint Strip Seal	Foot	190		190
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	4		4
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	82		82
Bridge Deck Scarification 3"	Sq. Yd.	1,585		1,585
* Bridge Deck Microsilica Concrete Overlay 3¾"	Sq. Yd.	1,585		1,585
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		34	34
Controlled Low-Strength Material	Cu. Yd.		0.1	0.1
Diamond Grinding (Bridge Section)	Sq. Yd.	1,499		1,499
Relocating Name Plates	Each	2		2
Temporary Shoring and Cribbing	Each	6		6
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,060		1,060
Structural Steel Repair	Pound	44,020		44,020
Slope Wall Slurry Pumping	Cu. Yd.		0.6	0.6

* Synthetic Fibers shall be added to the Microsilica Overlay.
Cost included with Bridge Deck Microsilica Overlay 3¾".



SECTION THRU SLOPE WALL
(Showing slope wall repair.)

Notes:

1.

See special provisions for Slope Wall Slurry Pumping.
- 2

The quantity of 0.6 Cu. Yds. If Slope Wall Slurry Pumping has been estimated from the field survey completed June 2025 assuming an average void depth of 1 foot. The required quantities may vary and the Engineer shall adjust the quantities as required to suit the field conditions. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantities actually furnished at the unit price bid for the work.

Suggested Sequence:

1.

Mark area of suspected void below slope wall.
- 2

Core and/or cut hole(s) into slope wall for placement of Slope Wall Slurry.
3.

Fill void with Slope Wall Slurry.
4.

Use Slope Wall Slurry to fill cored and/or cut hole(s) to top of slope wall.

design firm
no. 184001036



USER NAME	=	jmontrey	DESIGNED	-	FWS	REVISED	-
			CHECKED	-	SBC	REVISED	-
PLOT DATE	=		DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=		CHECKED	-	FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

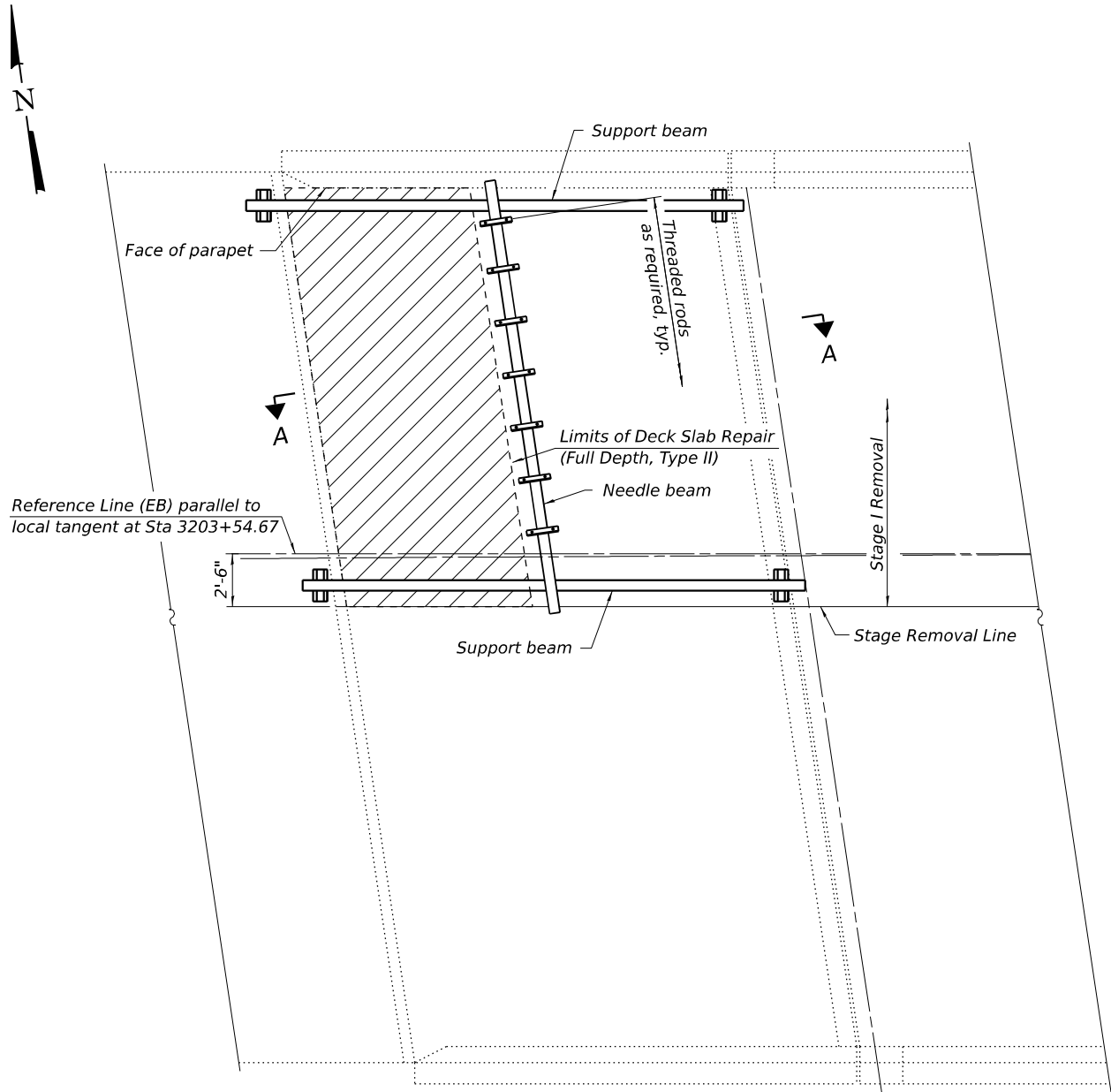
SHEET 2 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	84
		CONTRACT NO. 78B34		
		ILLINOIS FED. AID PROJECT		

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\MDOT D-9\10257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10 12\CADD Data\Bridge\041-0081+0082-D978B34.dgn

LEGEND

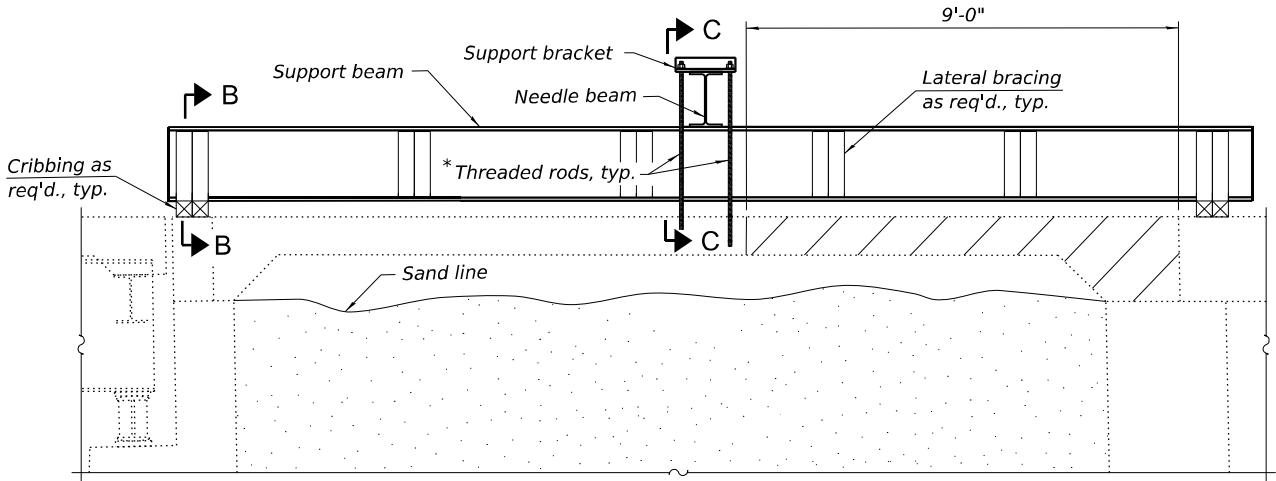
 Deck Slab Repair (Full Depth, Type II)



PARTIAL PLAN
(Showing Stage I Removal in Vaulted Span of South Bridge)

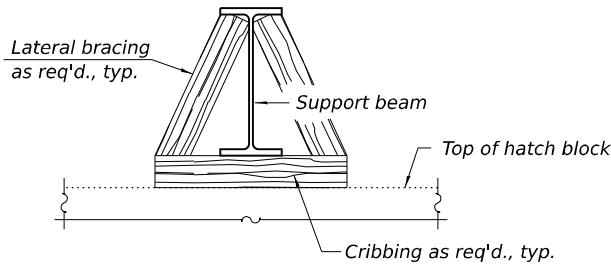
Notes:

1. The Contractor shall provide a Temporary Shoring and Cribbing system to support the vaulted span concrete slab during the full-depth repairs.
2. The Shoring and Cribbing system shown is provided as a conceptual design only to aid the Contractor with development of a complete design as required for construction. The Contractor may provide an alternate Temporary Shoring and Cribbing system. The Temporary Shoring and Cribbing system shall be designed and sealed by an Illinois licensed Structural Engineer. See Special Provisions.
3. The Temporary Shoring and Cribbing system shown covers the repair work at one (1) stage of one (1) vaulted concrete slab span. A similar Temporary Shoring and Cribbing system will be required at both vaulted spans for the South Bridge SN 041-0081 and at the East Vaulted span for the North Bridge SN 041-0082 during each stage of construction. For Deck Slab Repair Details, see sheet 8 of 16.
4. The service dead load reaction at the ends of the support beam are 14.0 kips and at the ends of the needle beam are 28.0 kips.

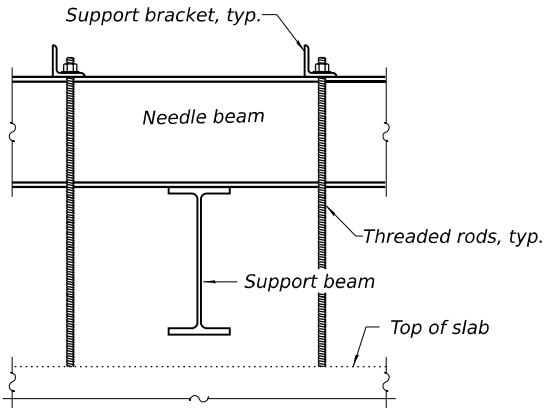


SECTION A-A

*Epoxy grouted in 9" (min.) deep drilled holes according to Article 584 of the Standard Specifications. Holes shall be located to miss existing reinforcement. After Deck Slab Repair, threaded rods shall be cut off below the surface and covered with an epoxy grout.



SECTION B-B

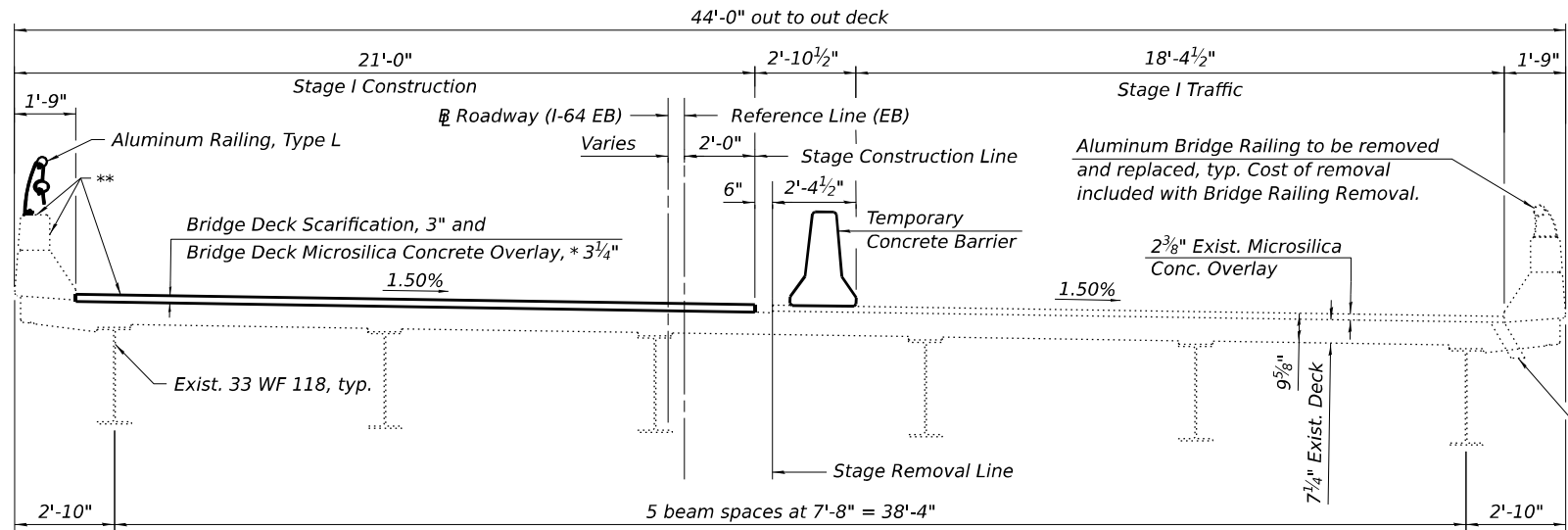


SECTION C-C

BILL OF MATERIAL

Item	Unit	Total
Temporary Shoring and Cribbing	Each	6

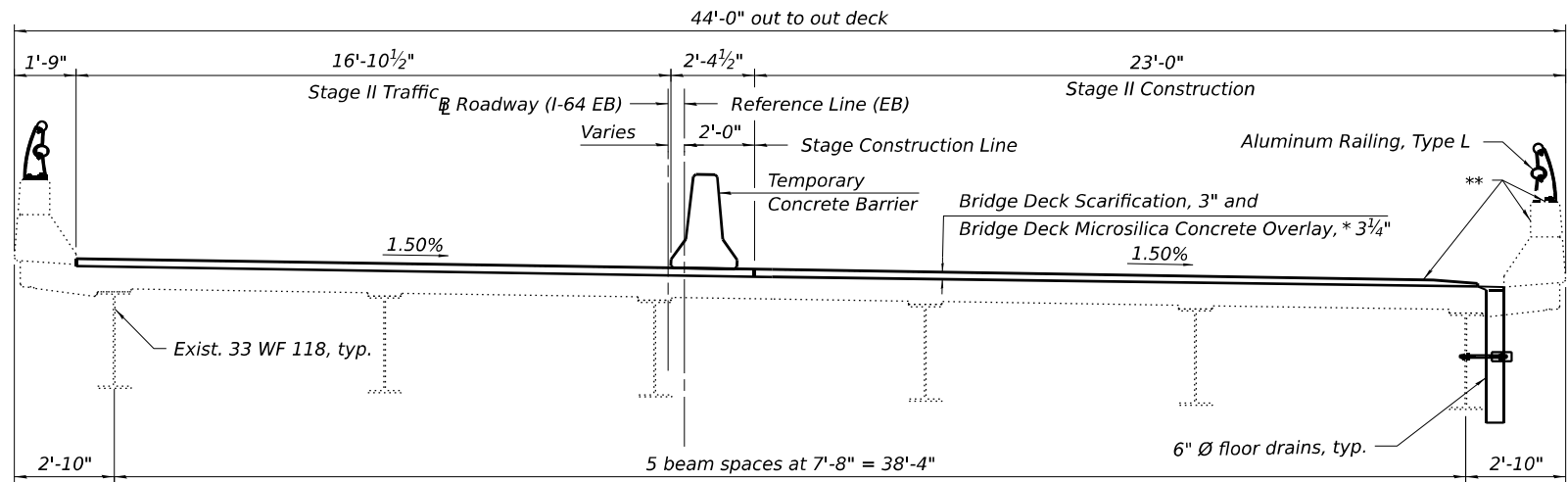
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STAGE I CONSTRUCTION
(Looking East)

* Prior to grinding

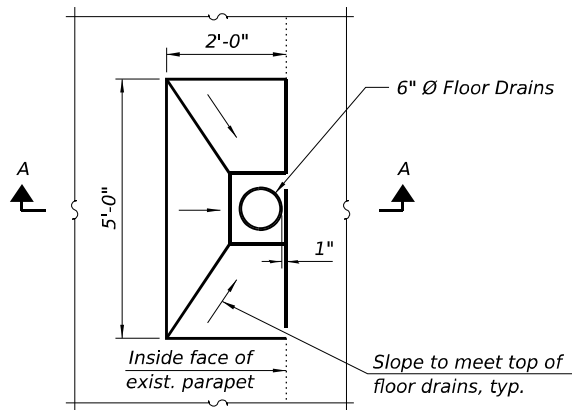
** Protective coat shall be applied to the Bridge Deck Concrete Overlay, the new Concrete Superstructure at the expansion joints and the top and inside faces of the existing parapets. Application shall be in accordance with Article 503.19 of the Standard Specifications.



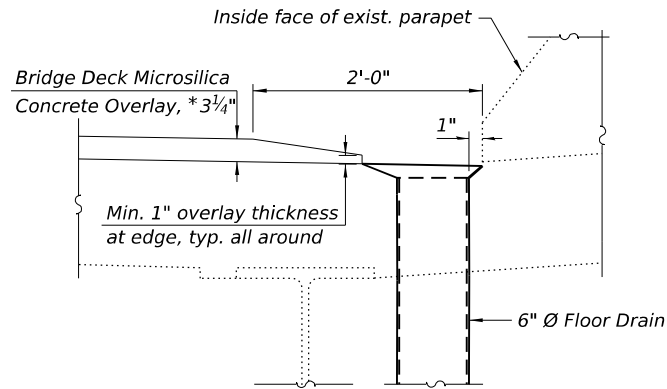
STAGE II CONSTRUCTION
(Looking East)

Notes:

1. For quantities of Temporary Concrete Barrier, see Roadway plans.
2. For details of Floor Drains, see sheet 9 of 16.
3. For details of Aluminum Railing, see sheet 13 of 16.
4. The floor drains shall be covered with plastic and taped shut immediately prior to the application of the protective coat. No protective coat must be allowed to stick to the floor drains. Immediately after the protective coat has dried, the plastic and tapes shall be removed from the floor drains. Cost included with Protective Coat.
5. All floor drains shall be cleaned and flushed with water at the end of the contract. Cost included with Floor Drains.



VIEW AT 6" Ø FLOOR DRAIN



SECTION A-A

(Sheet 1 of 6)

design firm
no. 184001036



USER NAME = jmontrey
PLOT DATE =
PLOT TIME =

DESIGNED - FWS
CHECKED - SBC
DRAWN - DLH / JLM
CHECKED - FWS / SBC

REVISED -
REVISED -
REVISED -
REVISED -

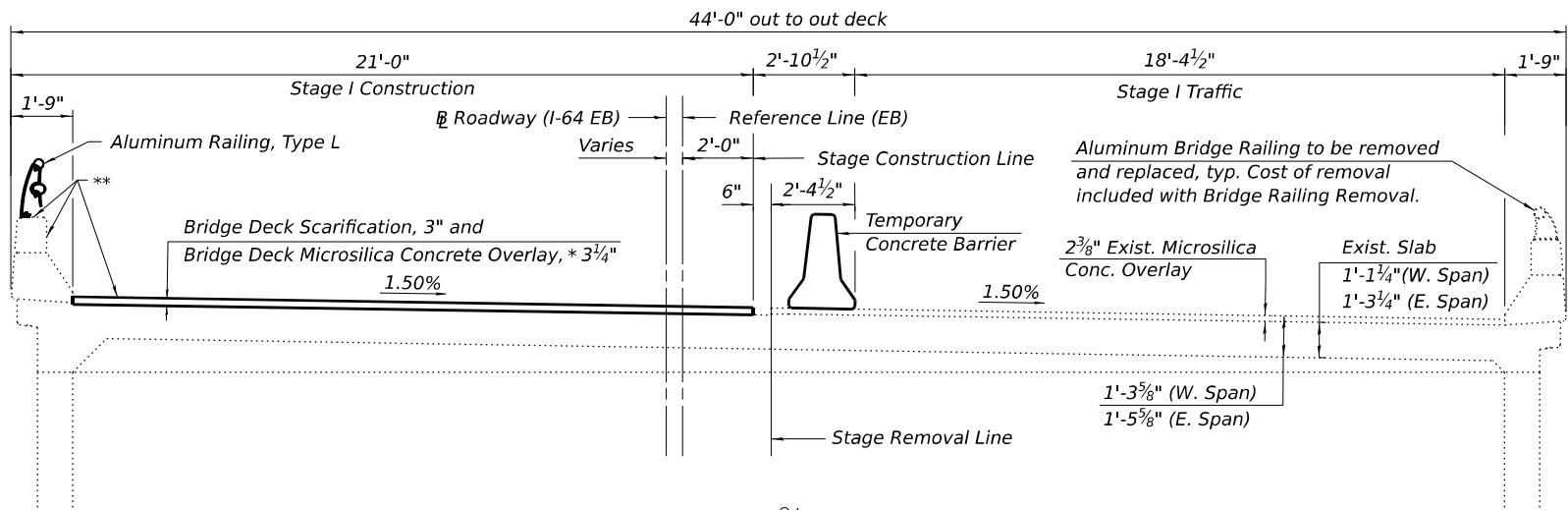
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR DETAILS - SOUTH BRIDGE (SPANS 1 AND 2)
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)**

SHEET 4 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	86
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

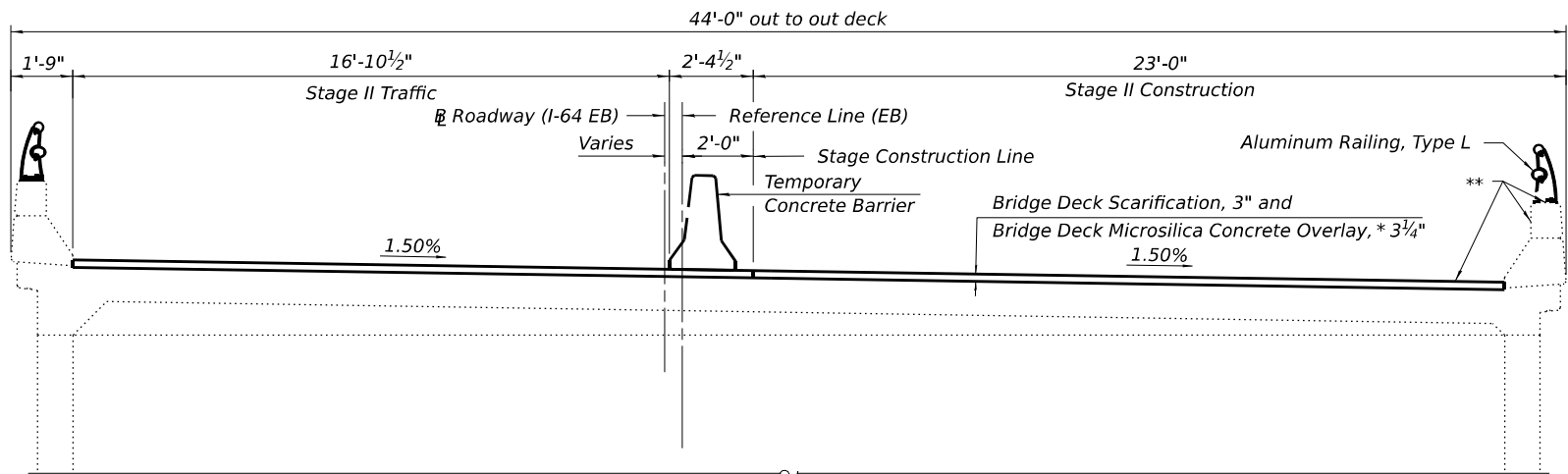
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STAGE I CONSTRUCTION
(Looking East)

* Prior to grinding

** Protective coat shall be applied to the Bridge Deck Concrete Overlay, the new Concrete Superstructure at the expansion joints and the top and inside faces of the existing parapets. Application shall be in accordance with Article 503.19 of the Standard Specifications.



STAGE II CONSTRUCTION
(Looking East)

Notes:

1. For quantities of Temporary Concrete Barrier, see Roadway plans.
2. For details of Aluminum Railing, see sheet 13 of 16.

(Sheet 2 of 6)

design firm
no. 184001036



USER NAME = jmontrey
PLOT DATE =
PLOT TIME =

DESIGNED - FWS
CHECKED - SBC
DRAWN - DLH / JLM
CHECKED - FWS / SBC

REVISED -
REVISED -
REVISED -
REVISED -

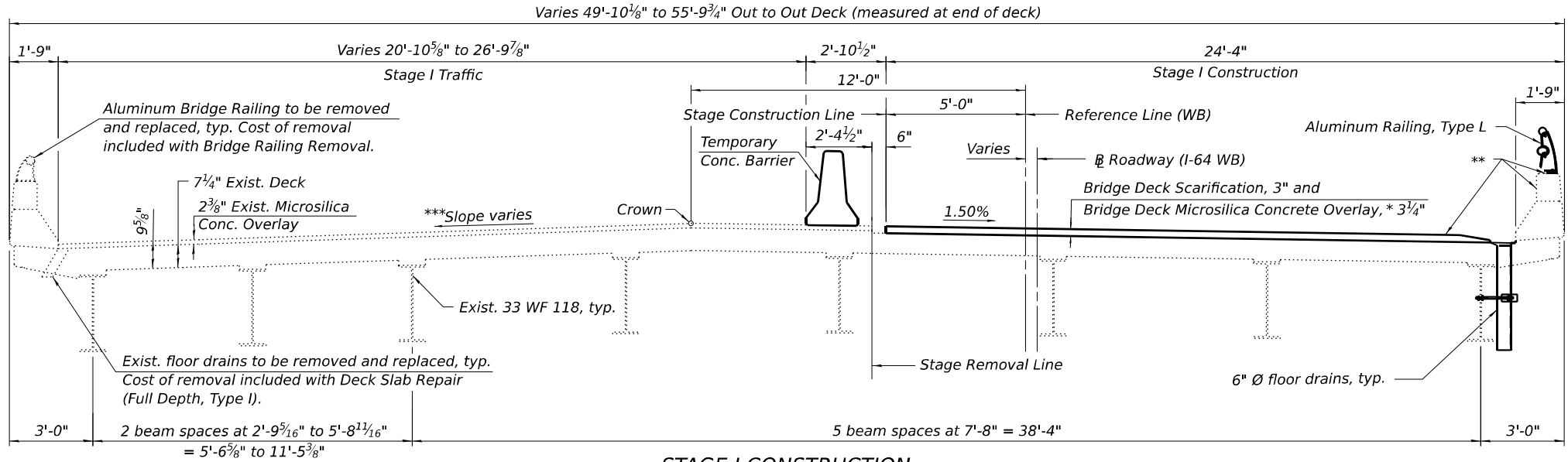
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR DETAILS - SOUTH BRIDGE (VAULTED SPANS)
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)**

SHEET 5 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	87
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-9\10257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10 12\CADD Data\Bridge\04-10081-0082-0978B34.dgn

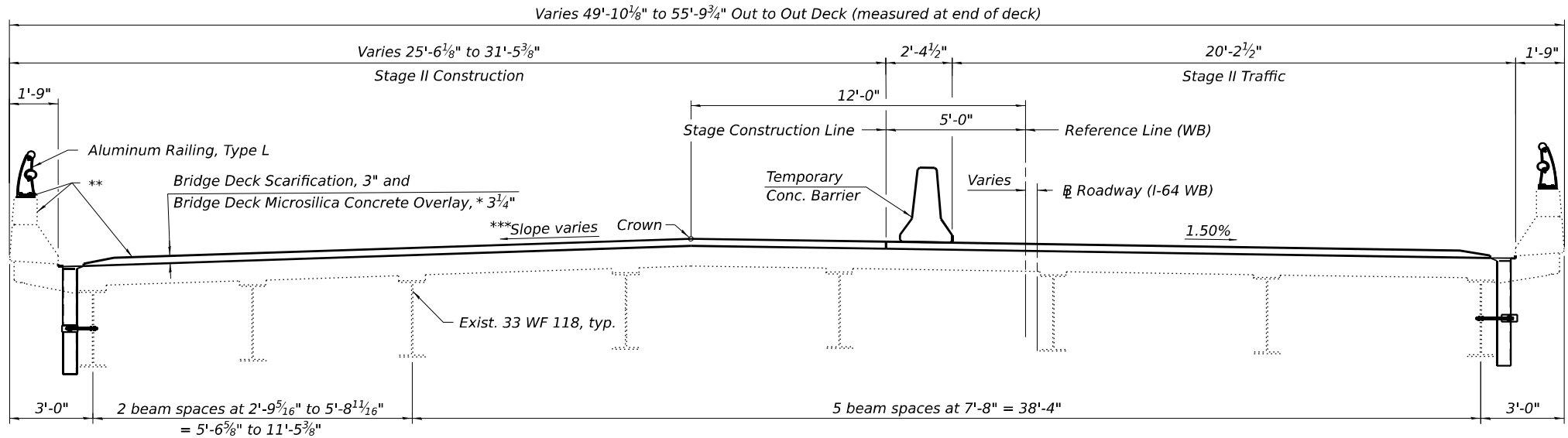


STAGE I CONSTRUCTION
(Looking East)

* Prior to grinding

** Protective coat shall be applied to the Bridge Deck Concrete Overlay, the new Concrete Superstructure at the expansion joints and the top and inside faces of the existing parapets. Application shall be in accordance with Article 503.19 of the Standard Specifications.

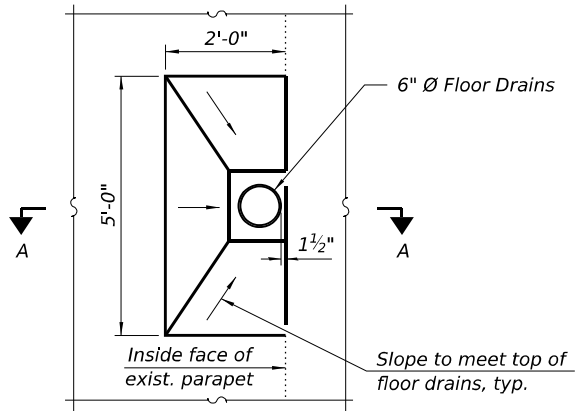
*** Slope varies from 3.65% at Sta. 3202+50.00 to 1.50% at Sta. 3204+50.00



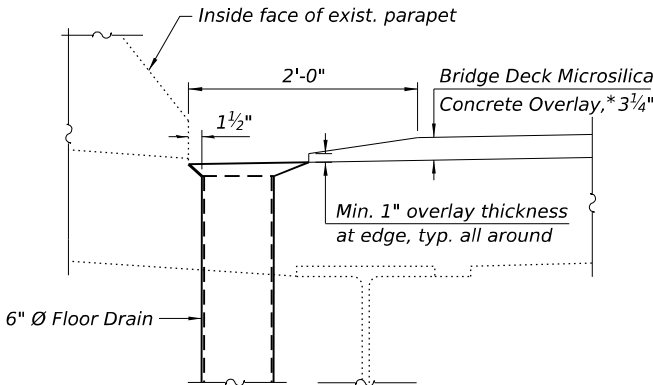
STAGE II CONSTRUCTION
(Looking East)

Notes:

- For quantities of Temporary Concrete Barrier, see Roadway plans.
- For details of Floor Drains, see sheet 9 of 16.
- For details of Aluminum Railing, see sheet 13 of 16.
- The floor drains shall be covered with plastic and taped shut immediately prior to the application of the protective coat. No protective coat must be allowed to stick to the floor drains. Immediately after the protective coat has dried, the plastic and tapes shall be removed from the floor drains. Cost included with Protective Coat.
- All floor drains shall be cleaned and flushed with water at the end of the contract. Cost included with Floor Drains.



VIEW AT 6" Ø FLOOR DRAIN
(Stage I shown, Stage II similar)



SECTION A-A

(Sheet 3 of 6)

design firm
no. 184001036



USER NAME = jmontrey

DESIGNED - FWS

REVISED -

CHECKED - SBC

REVIS

REVISED -

PLOT DATE =

DRAWN - DLH / JLM

REVISED -

PLOT TIME =

CHECKED - FWS / SBC

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR DETAILS - NORTH BRIDGE (SPANS 1 AND 2)
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 6 OF 16 SHEETS

FAI

RTE.

64

SECTION

D9 BRIDGE OVERLAY 2026-1

COUNTY

JEFFERSON

TOTAL

SHEETS

141

SHEET

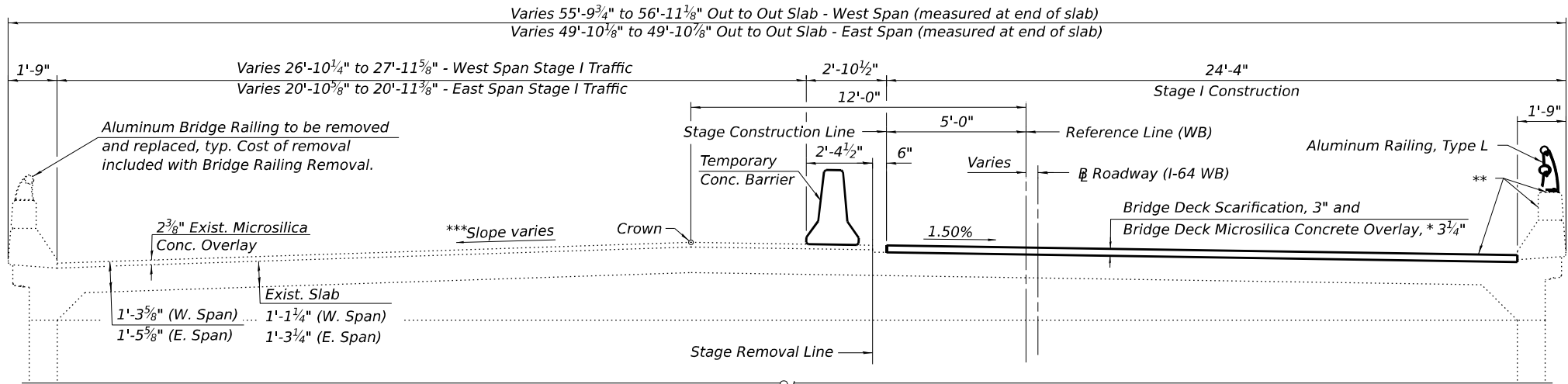
NO.

88

CONTRACT NO. 78B34

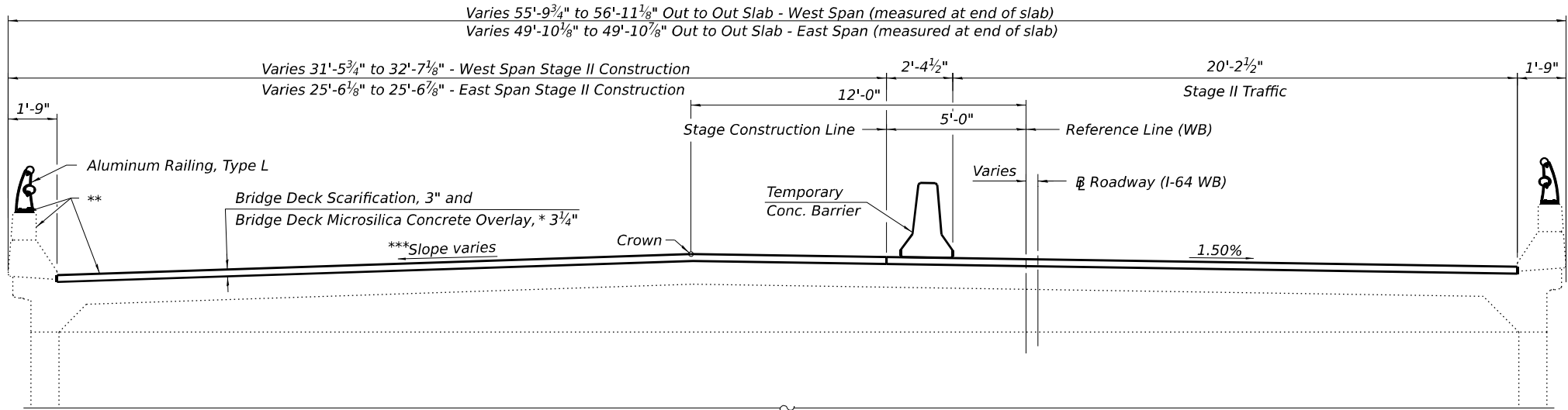
ILLINOIS FED. AID PROJECT

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\MDOT D-9\10257 PTB 214-047 On-Call\10257.03-164 Bridge Repairs\CADD\10-12\CADD Data\Bridge\04-10081-0082-D978B34.dgn



STAGE I CONSTRUCTION
(Looking East)

- * Prior to grinding
- ** Protective coat shall be applied to the Bridge Deck Concrete Overlay, the new Concrete Superstructure at the expansion joints and the top and inside faces of the existing parapets. Application shall be in accordance with Article 503.19 of the Standard Specifications.
- *** Slope varies from 3.65% at Sta. 3202+50.00 to 1.50% at Sta. 3204+50.00



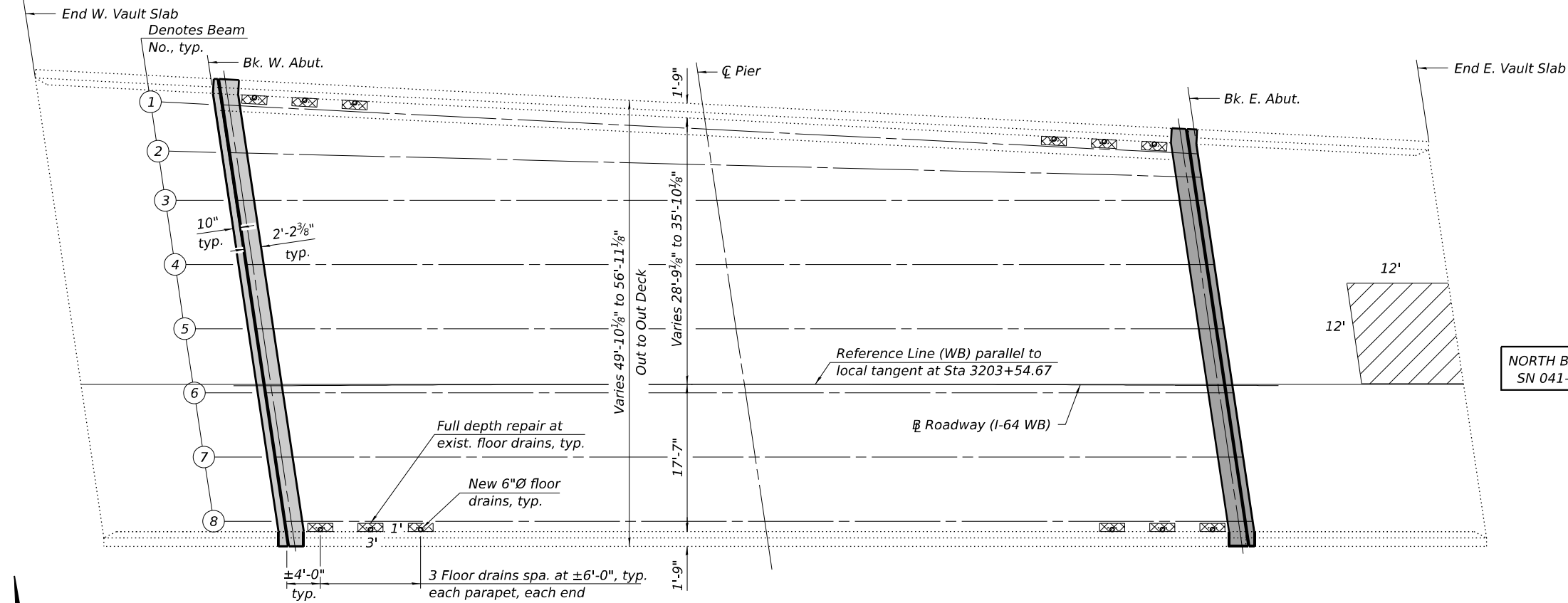
STAGE II CONSTRUCTION
(Looking East)

- Notes:
- For quantities of Temporary Concrete Barrier, see Roadway plans.
 - For details of Aluminum Railing, see sheet 13 of 16.

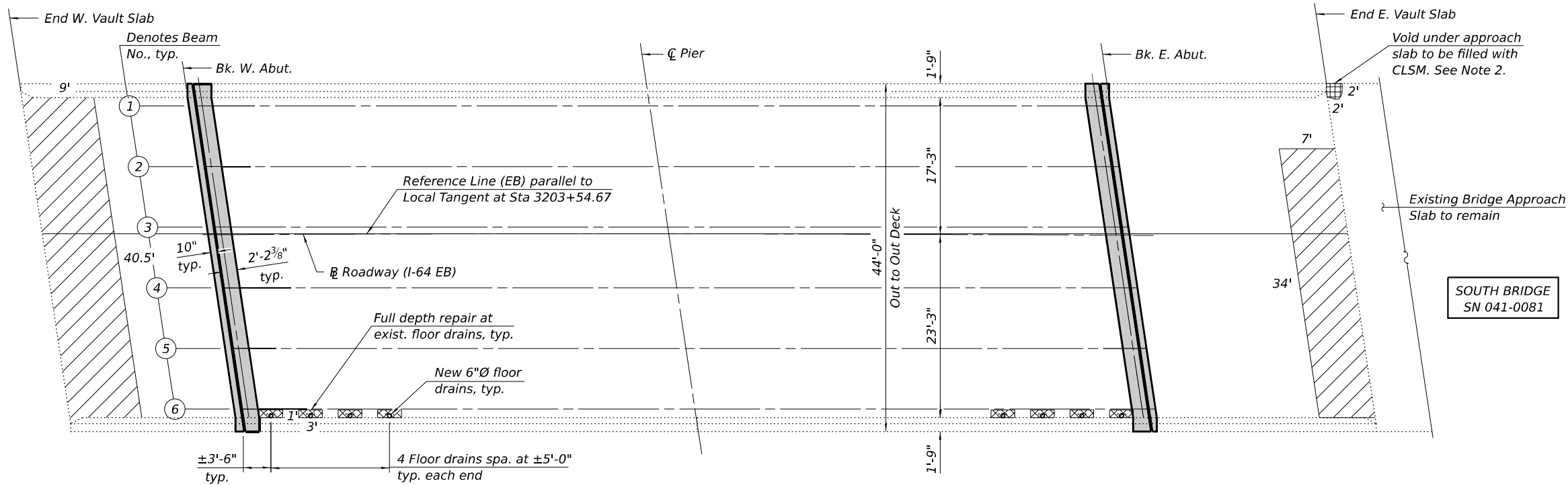
(Sheet 4 of 6)

FILE NAME	design firm no. 184001036  engineers + planners + land surveyors	USER NAME = jmontrey	DESIGNED - FWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK REPAIR DETAILS - NORTH BRIDGE (VAULTED SPANS) STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)	FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			CHECKED - SBC	REVISED -			64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	89
		PLOT DATE =	DRAWN - DLH / JLM	REVISED -			CONTRACT NO. 78B34				
		PLOT TIME =	CHECKED - FWS / SBC	REVISED -			ILLINOIS FED. AID PROJECT				
		SHEET 7 OF 16 SHEETS									

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-9\10257.03\164 Bridge Repairs\CADD\10.12\CADD Data\Bridge\041-0082-0978B34.dgn



DECK REPAIR PLAN - NORTH BRIDGE



DECK REPAIR PLAN - SOUTH BRIDGE

LEGEND

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Expansion Joint Reconstruction Limits
- Controlled Low Strength Material (CLSM) Limits

Notes:

- Quantities and limits of Deck Slab Repairs shown are estimated from a the delamination survey completed by the District June 2025. Actual limits shall be determined in the field and noted in the As-Built Plans. See special provision for Deck Slab Repair.
- The quantity for Controlled Low Strength Material (CLSM) has been estimated from the field survey completed June 2025 assuming an average void depth of 1 foot. The required quantity may vary and the Engineer shall adjust the quantities as required to suit the field conditions. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- For expansion joint reconstruction details, see sheets 10 and 11 of 16.
- For floor drain replacement details, see sheet 9 of 16.
- For stage construction scheme, see sheets 4 thru 7 of 16.

NORTH BRIDGE
SN 041-0082

SOUTH BRIDGE
SN 041-0081

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq Yd	4
Deck Slab Repair (Full Depth, Type II)	Sq Yd	82
Controlled Low-Strength Material	Cu Yd	0.1

(Sheet 5 of 6)



USER NAME	= jmontrey	DESIGNED	- FWS	REVISED	-
CHECKED	- SBC	CHECKED	- SBC	REVISED	-
PLOT DATE	=	DRAWN	- DLH / JLM	REVISED	-
PLOT TIME	=	CHECKED	- FWS / SBC	REVISED	-

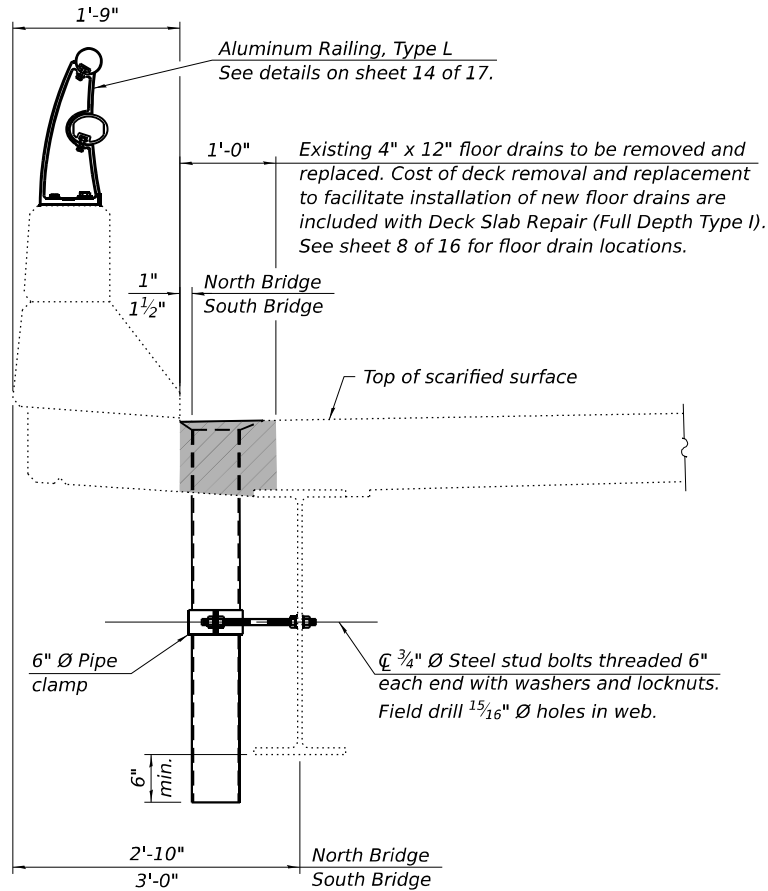
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR DETAILS
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 8 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	90
				CONTRACT NO. 78B34
				ILLINOIS FED. AID PROJECT

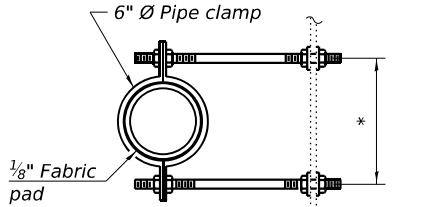
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SECTION THRU PARAPET

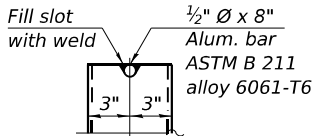
(Bridge Spans)

(Showing removal and installation of new floor drain prior to overlay.)

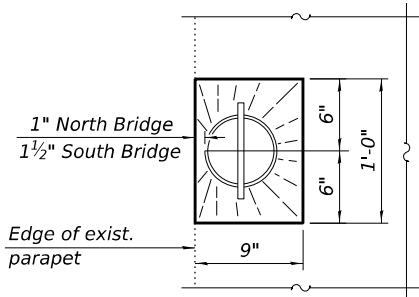


SECTION A-A

*Dimension as required by pipe clamp

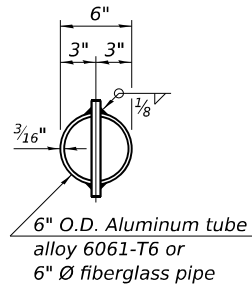


ALUMINUM TUBE



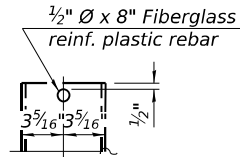
TOP PLAN

(Prior to overlay)



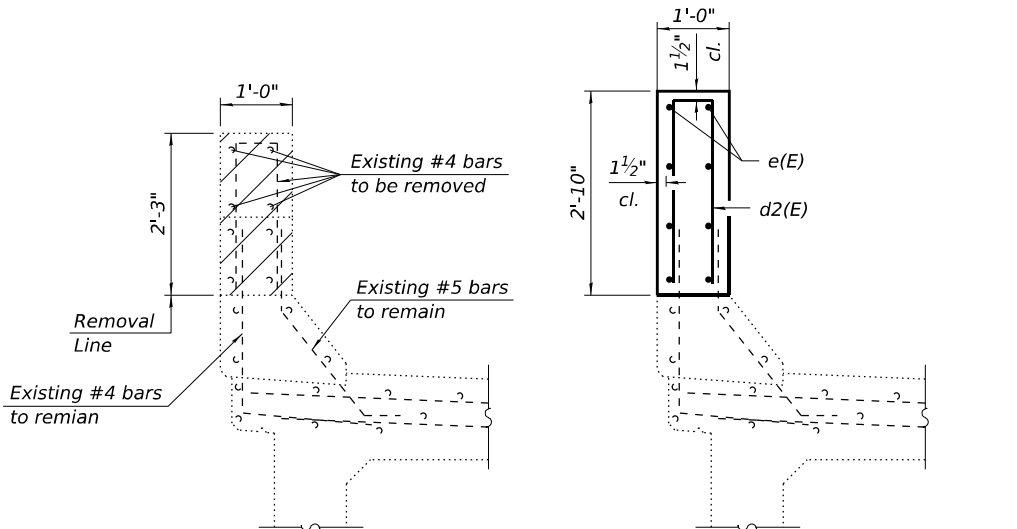
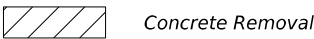
TOP PLAN

(Showing aluminum tube)



FIBERGLASS PIPE

LEGEND



SECTION B-B

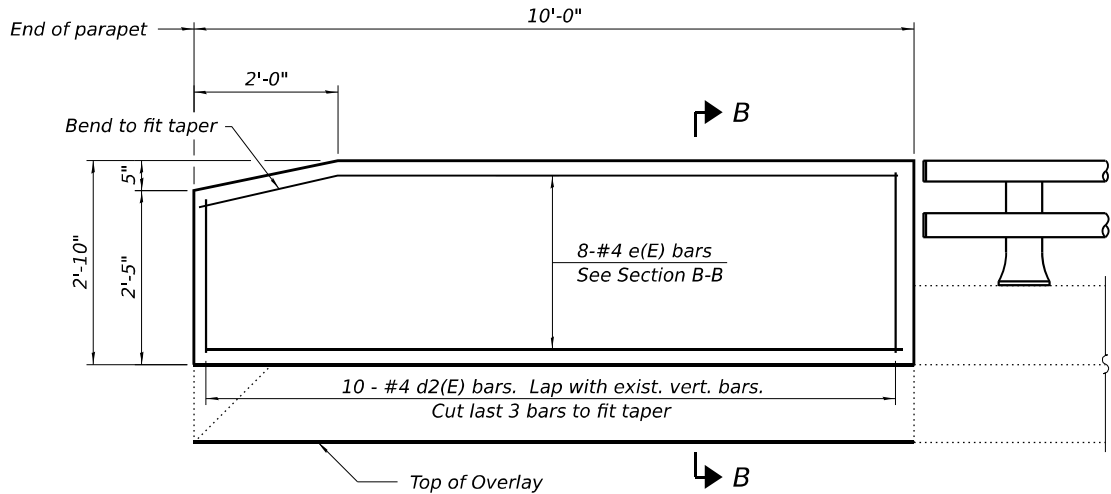
(Showing Removal)

SECTION B-B

(Showing Reconstruction)

Note:

Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.



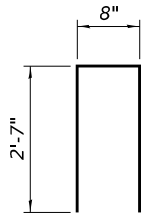
INSIDE ELEVATION OF PARAPET

(Vaulted Spans)

BILL OF MATERIAL

TWO BRIDGES

Bar	No.	Size	Length	Shape
d2(E)	80	#4	5'-10"	Π
e(E)	64	#4	9'-9"	—
Concrete Removal			Cu. Yd.	6.0
Floor Drains			Each	20
Concrete Superstructure			Cu. Yd.	8.4
Bridge Deck Grooving (Longitudinal)			Sq. Yd.	1,060
Protective Coat			Sq. Yd.	1,879
Reinforcement Bars Epoxy Coated			Pound	730
Bridge Deck Scarification, 3"			Sq. Yd.	1,585
Bridge Deck Microsilica Concrete Overlay, 3 1/4"			Sq. Yd.	1,585
Diamond Grinding (Bridge Section)			Sq. Yd.	1,499



BAR d2(E)

(Sheet 6 of 6)

Notes:

- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
- The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.
- The top portion of aluminum floor drains shall be coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete.
- The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.

design firm
no. 184001036



USER NAME = jmontrey

DESIGNED - FWS

REVISED -

CHECKED - SBC

REVIS

ED -

PLOT DATE =

DRAWN - DLH / JLM

REVISED -

PLOT TIME =

CHECKED - FWS / SBC

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR DETAILS
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 9 OF 16 SHEETS

FAI
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

64

D9 BRIDGE OVERLAY 2026-1

JEFFERSON

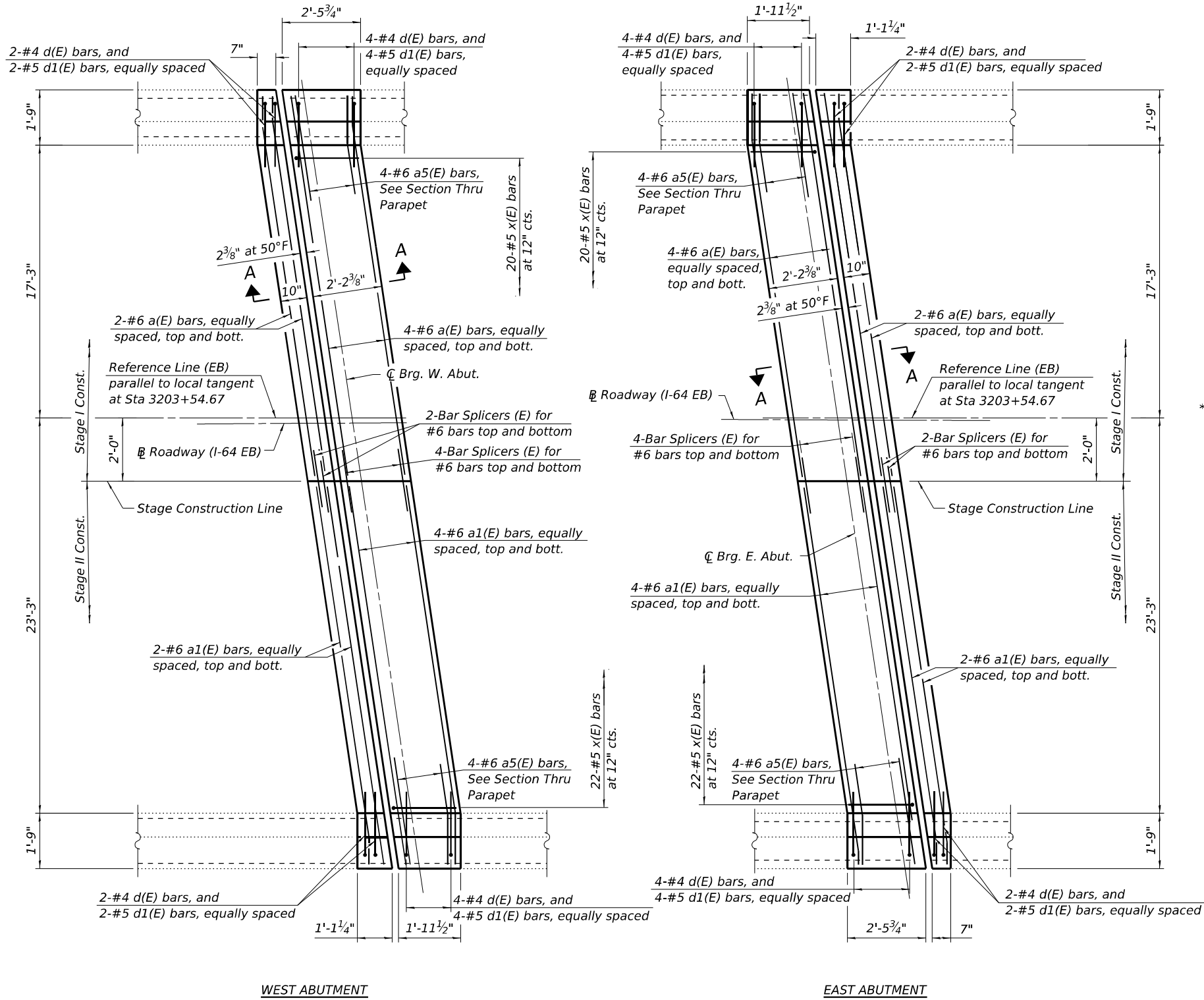
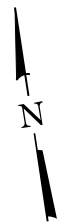
141

91

CONTRACT NO. 78B34

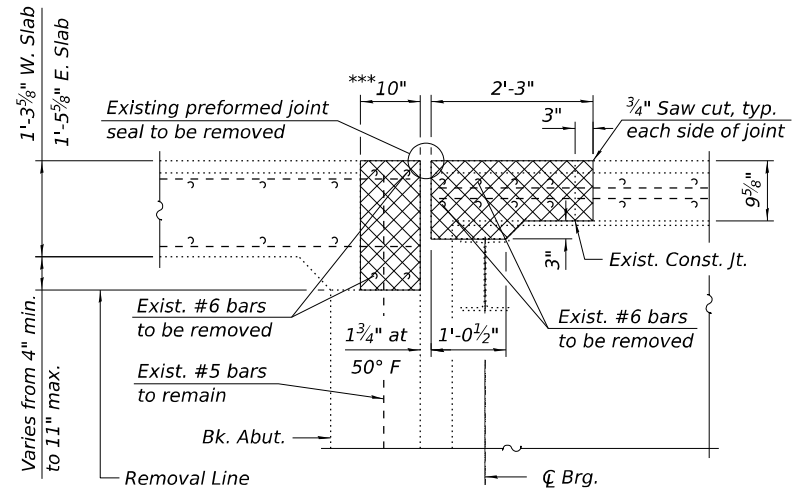
ILLINOIS FED. AID PROJECT

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT - D-9\10257 - PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10.12\CADD Data\Bridge\041-0081-0082-D978B34.dgn



Notes:

- See existing plans for reinforcement bars not shown. Existing reinforcement bars extending into the removal areas that are not shown shall remain.
- Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.
- Removal and disposal of preformed joint strip seal shall be included with the cost of Concrete Removal.
- Cut exist. longitudinal bars in parapet to fit new joint configuration. Cost included with Concrete Superstructure.
- Transverse reinforcing bars shall be field bent to fit, as required.
- See Sheet 11 of 16 for additional details and Bill of Material.

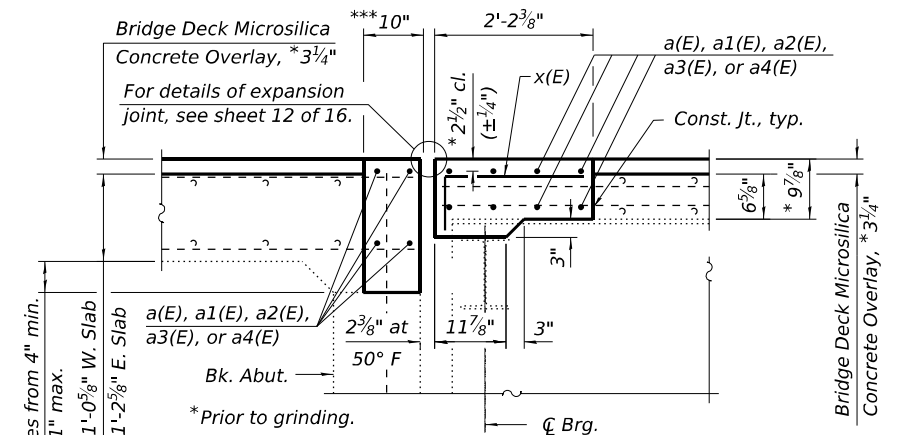


SECTION A-A

(Showing Removal)

(Dim's. at Rt. Δ's to Bk. Abut.)

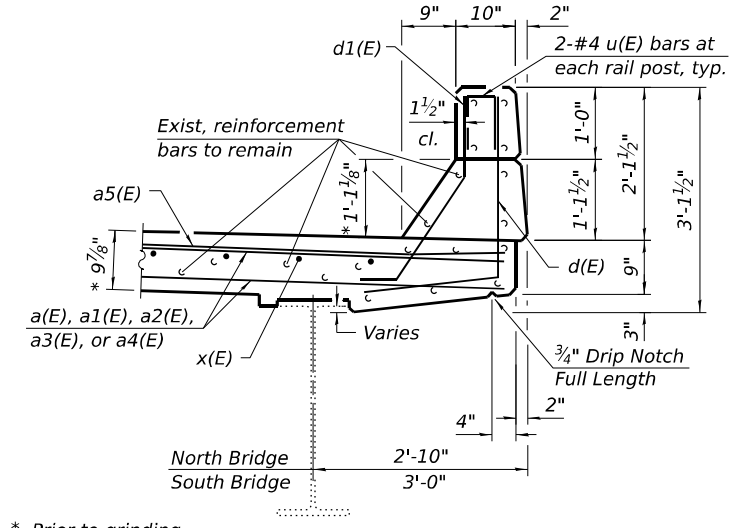
*** After concrete removal is complete, the Contractor shall verify the slab concrete is free of spalling and/or delamination at the construction joint. If deterioration of the vaulted slab along the construction joint is present, contact IDOT Bureau of Bridges and Structures for further disposition.



SECTION A-A

(Showing Reconstruction)

(Dim's. at Rt. Δ's to Bk. Abut.)



SECTION THRU PARAPET

(Bridge Spans Shown. Vaulted Spans similar.)

(Sheet 1 of 2)

design firm
no. 184001036



USER NAME	=	jmontrey	DESIGNED	-	FWS	REVISED	-
PLOT DATE	=		CHECKED	-	SBC	REVISED	-
PLOT TIME	=		DRAWN	-	DLH / JLM	REVISED	-
			CHECKED	-	FWS / SBC	REVISED	-

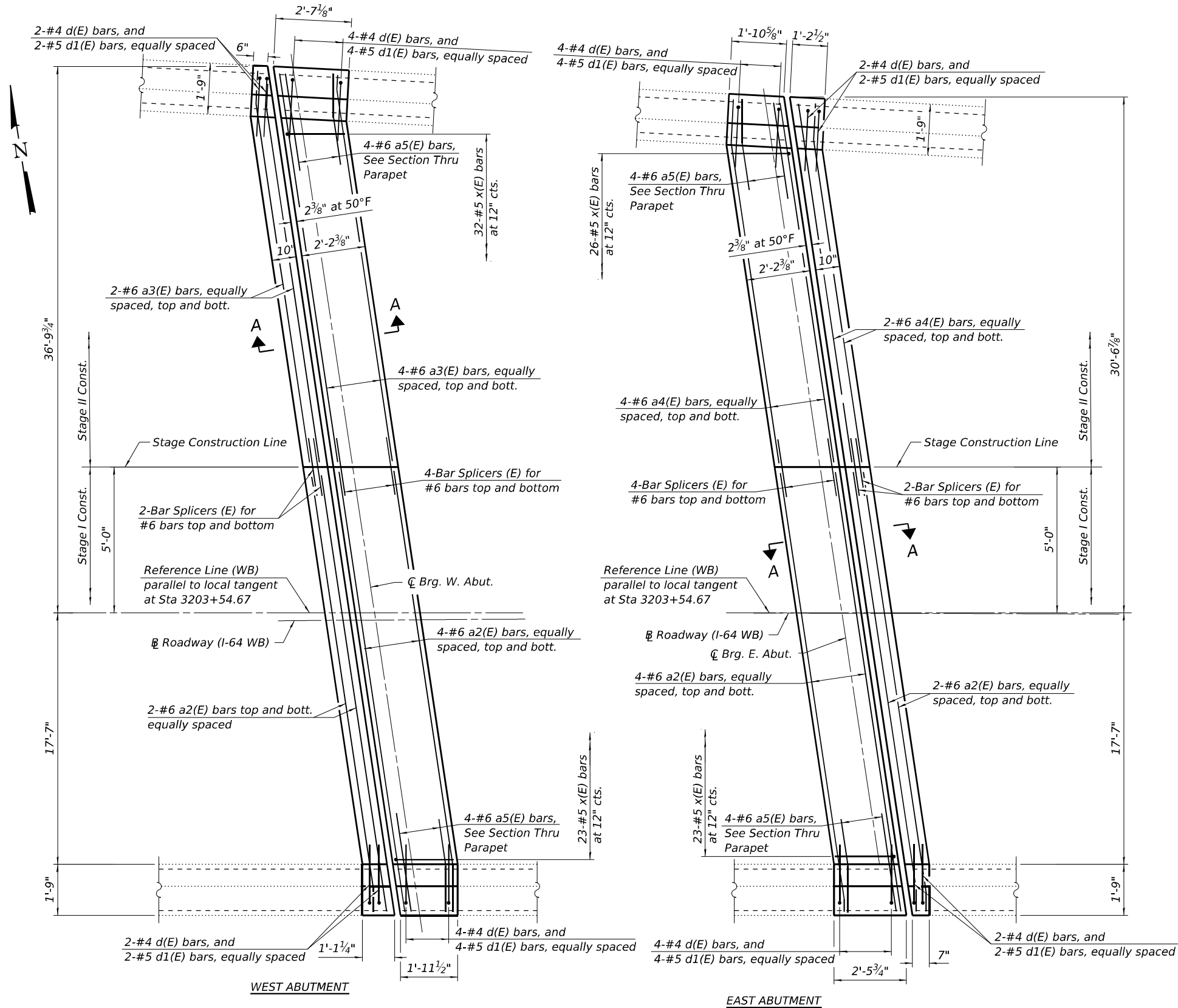
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT RECONSTRUCTION DETAILS
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 10 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	92
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

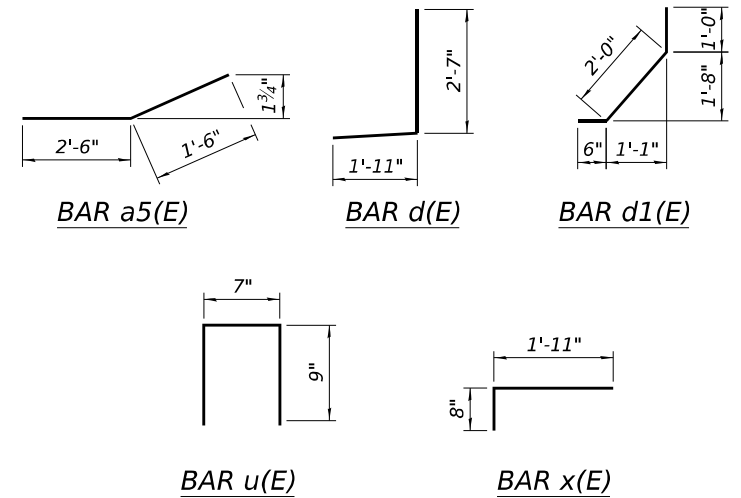
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PARTIAL PLAN - NORTH BRIDGE
(Showing joint reconstruction.)

Notes:

1. See existing plans for reinforcement bars not shown. Existing reinforcement bars extending into the removal areas that are not shown shall remain.
2. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.
3. Removal and disposal of preformed joint strip seal shall be included with the cost of Concrete Removal.
4. Cut exist. longitudinal bars in parapet to fit new joint configuration. Cost included with Concrete Superstructure.
5. Transverse reinforcing bars shall be field bent to fit, as required.
6. See Sheet 10 of 16 for Section Thru Parapet and Section A-A.



BILL OF MATERIAL
TWO BRIDGES

Bar	No.	Size	Length	Shape
a(E)	24	#6	20'-9"	—
a1(E)	24	#6	22'-10"	—
a2(E)	24	#6	24'-2"	—
a3(E)	24	#6	31'-9"	—
a4(E)	24	#6	25'-5"	—
a5(E)	32	#6	4'-0"	—
d(E)	48	#4	4'-6"	┘
d1(E)	48	#5	3'-6"	┘
u(E)	16	#4	2'-1"	Π
x(E)	188	#5	2'-7"	┘
Concrete Removal			Cu. Yds.	29.8
Concrete Superstructure			Cu. Yds.	29.8
Reinforcement Bars, Epoxy Coated			Pound	5,550
Bar Splicers			Each	48

(Sheet 2 of 2)

Design firm
no. 184001036



USER NAME	=	jmontrey	DESIGNED	-	FWS	REVISED	-
			CHECKED	-	SBC	REVISED	-
PLOT DATE	=		DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=		CHECKED	-	FWS / SBC	REVISED	-

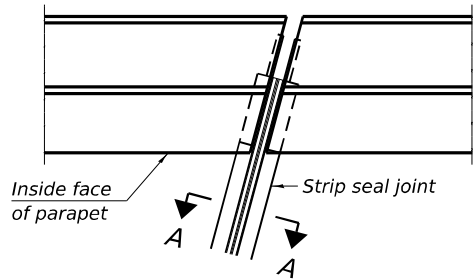
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT RECONSTRUCTION DETAILS
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

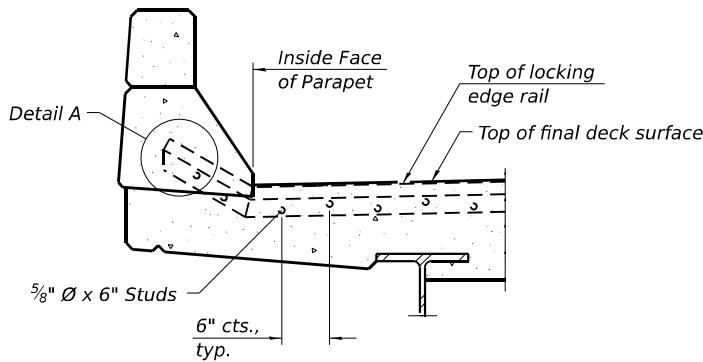
SHEET 11 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	93
				CONTRACT NO. 78B34
ILLINOIS FED. AID PROJECT				

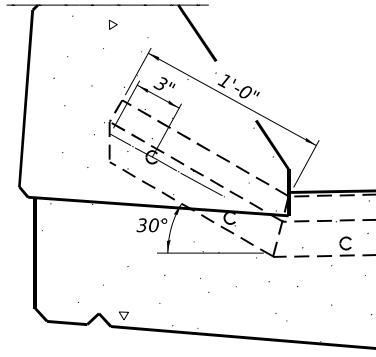
FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-9\10257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10.12\CADD Data\Bridge\04-10081-0082-D978B34.dgn



PLAN AT PARAPET

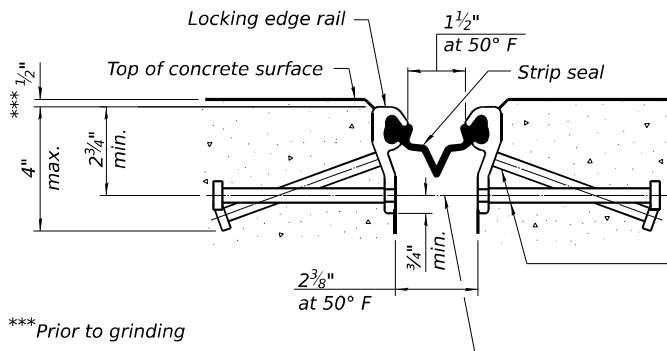


SECTION AT PARAPET



DETAIL A

(Kick-up at parapet locations shown.)



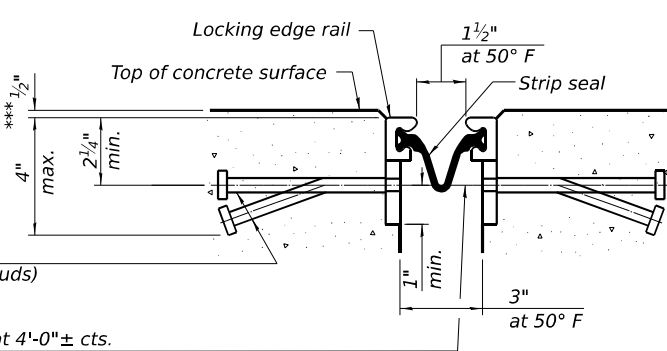
SHOWING ROLLED RAIL JOINT

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

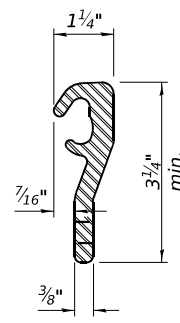
3/8" Ø threaded rods in 7/16" Ø holes at 4'-0" ± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

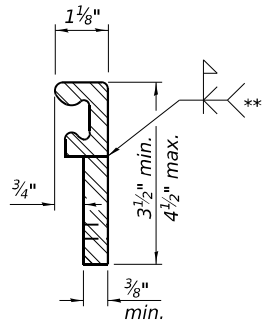
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



SHOWING WELDED RAIL JOINT



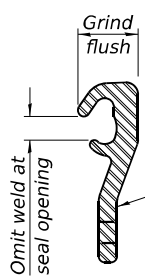
ROLLED (EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

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



LOCKING EDGE RAIL SPLICE

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	190

Notes:

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

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

The manufacturer's recommended installation methods shall be followed.

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

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

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

design firm
no. 184001036



USER NAME = jmontrey
PLOT DATE =
PLOT TIME =

DESIGNED - FWS
CHECKED - SBC
DRAWN - DLH / JLM
CHECKED - FWS / SBC

REVISED -
REVISED -
REVISED -
REVISED -

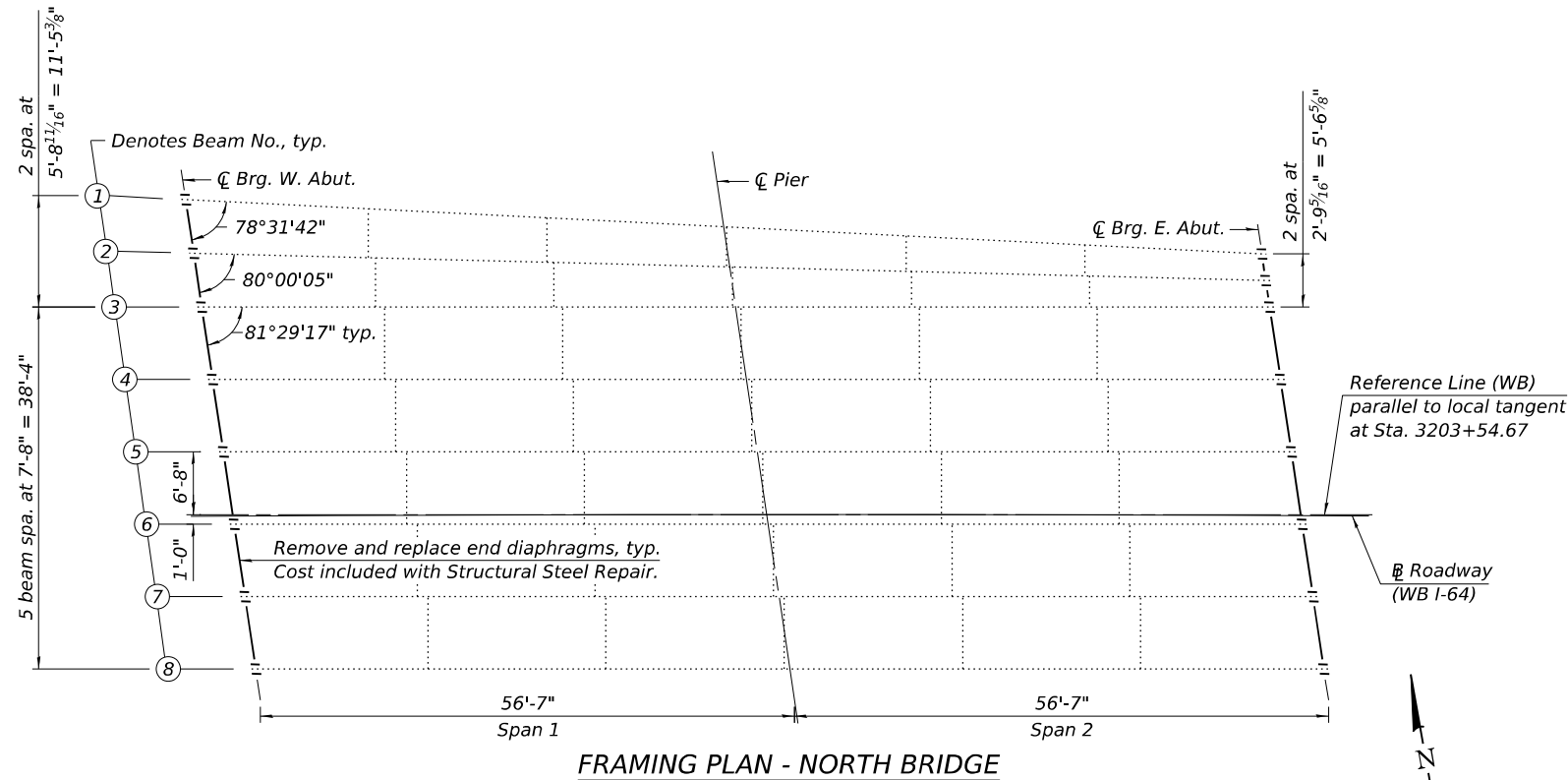
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

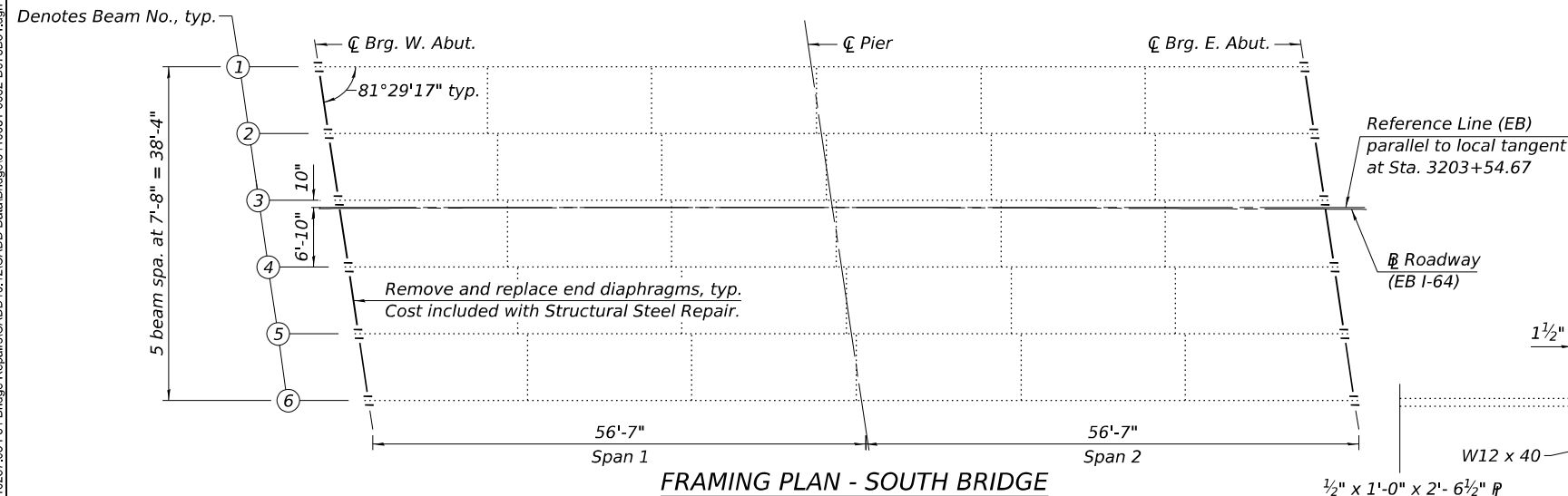
SHEET 12 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	94
				CONTRACT NO. 78B34
ILLINOIS FED. AID PROJECT				

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-8\10257 PTB 214-047 On-Call\10257.03 1-64 Bridge Repairs\CADD\10 12\CADD Data\Bridge\041-0081+0082-D878B34.dgn



FRAMING PLAN - NORTH BRIDGE



FRAMING PLAN - SOUTH BRIDGE

LEGEND

- ⊙ Exist. $\frac{3}{4}$ " $\varnothing$ H.S. bolt
- + New $\frac{3}{4}$ " $\varnothing$ H.S. bolt thru new field drilled $\frac{13}{16}$ " $\varnothing$ holes in diaphragm and seat angles.
- New $\frac{3}{4}$ " $\varnothing$ H.S. bolt thru new field drilled $\frac{13}{16}$ " $\varnothing$ holes in repair plates and seat angles. Use exist. holes in beam web as a template.
- New $\frac{3}{4}$ " $\varnothing$ H.S. bolt thru new shop drilled $\frac{13}{16}$ " $\varnothing$ holes in repair plates and new field drilled $\frac{13}{16}$ " $\varnothing$ holes in exist. beams. Use holes in repair plates as a template.

Notes:

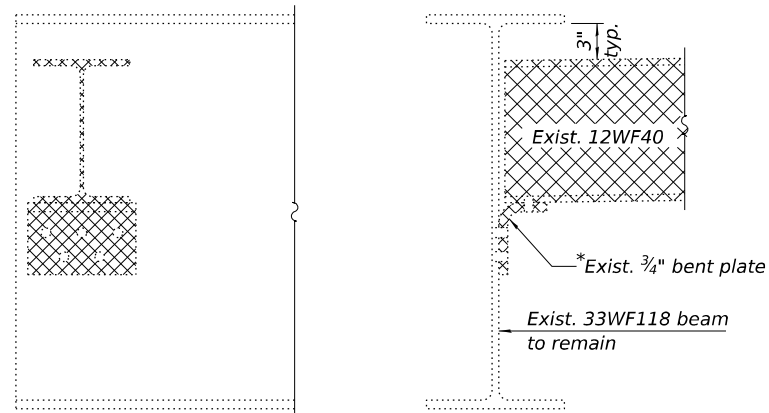
- The existing bolt hole pattern and dimensions are from existing plans. The Contactor shall field verify existing dimensions and make any necessary approved adjustments before ordering material.
- The Contractor shall field verify the required bolt length and length of threads necessary to install all bolts in accordance with the Standard Specifications.
- All structural steel is paid for as Structural Steel Repair.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	44,020

NORTH BRIDGE
SN 041-0082

SOUTH BRIDGE
SN 041-0081

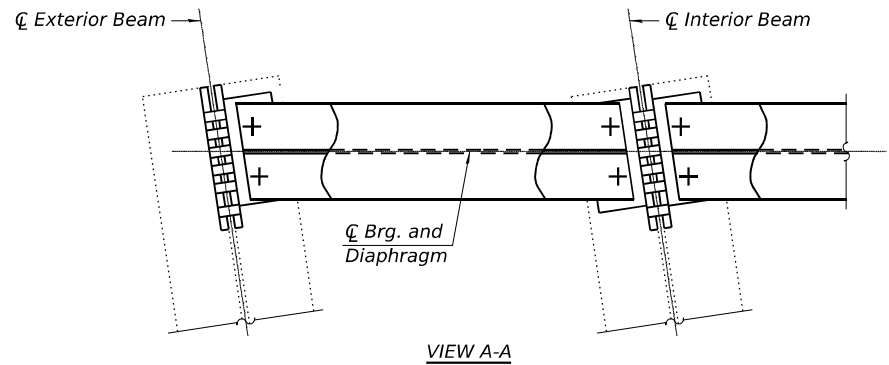


END ELEVATION

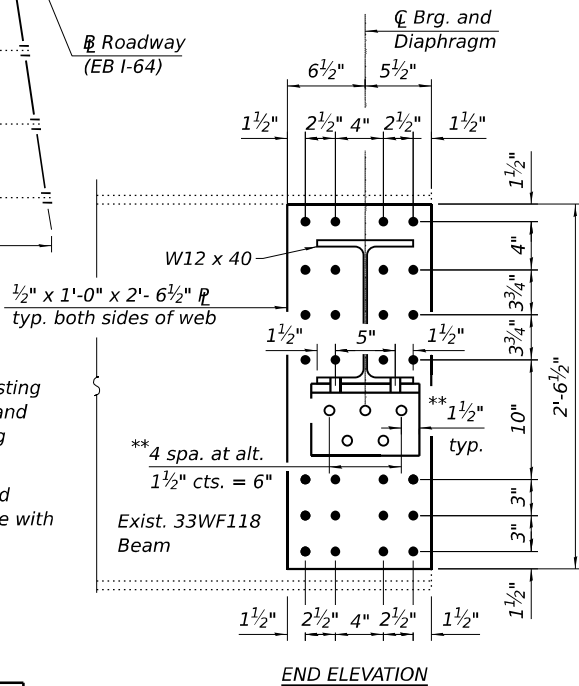
SECTION

EXISTING DIAPHRAGM REMOVAL DETAILS

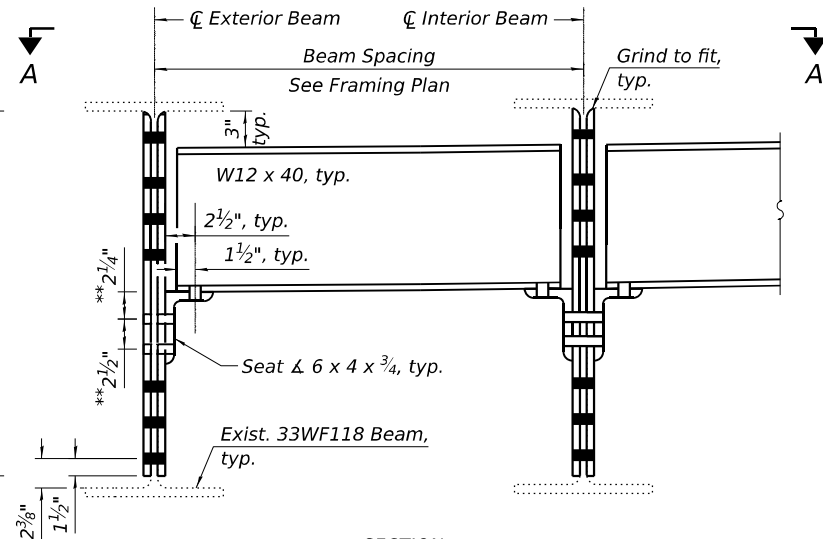
* Existing bent plates are typically fastened to the beam webs with 5 - $\frac{3}{4}$ " $\varnothing$ bolts as shown. The end diaphragms at the north bridge east abutment have an estimated 7 bent plates that are secured to the beam webs with a $\frac{1}{4}$ " continuous fillet weld. These bent plates shall be removed using the air-arc method and grind smooth all weld material remaining on the beam web. Cost included with Structural Steel Repair.



VIEW A-A



END ELEVATION

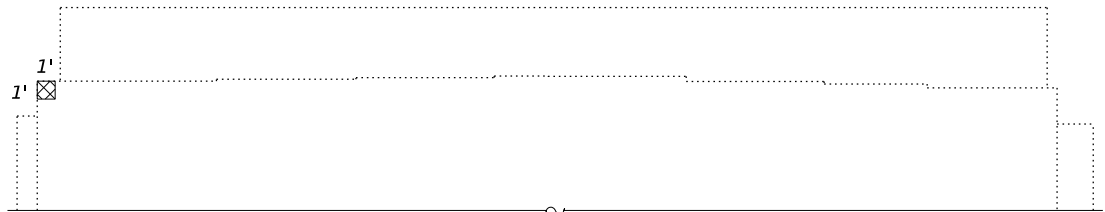


SECTION

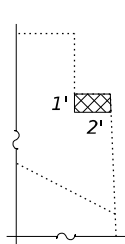
** Bolt hole pattern and dimensions provided for seat angle locations without existing holes in the beam web.

STRUCTURAL STEEL REPAIR DETAILS

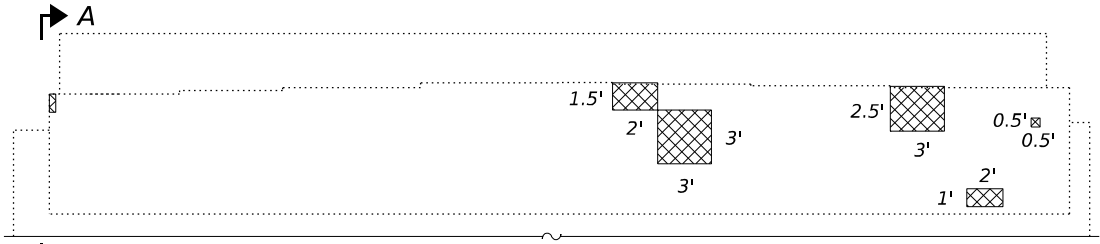
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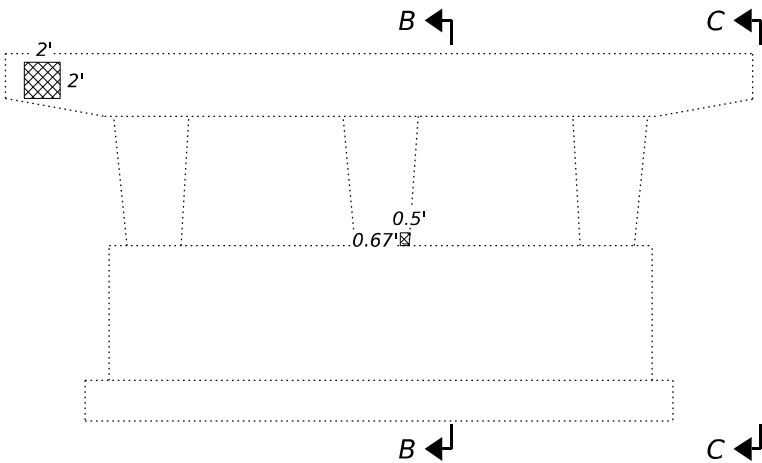
EAST ABUTMENT ELEVATION - NORTH BRIDGE
(Looking East)



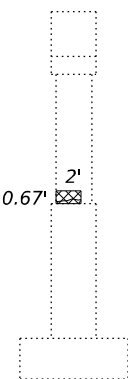
VIEW A-A



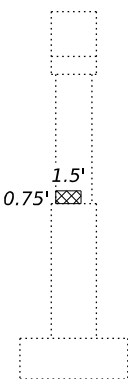
WEST ABUTMENT ELEVATION - NORTH BRIDGE
(Looking West)



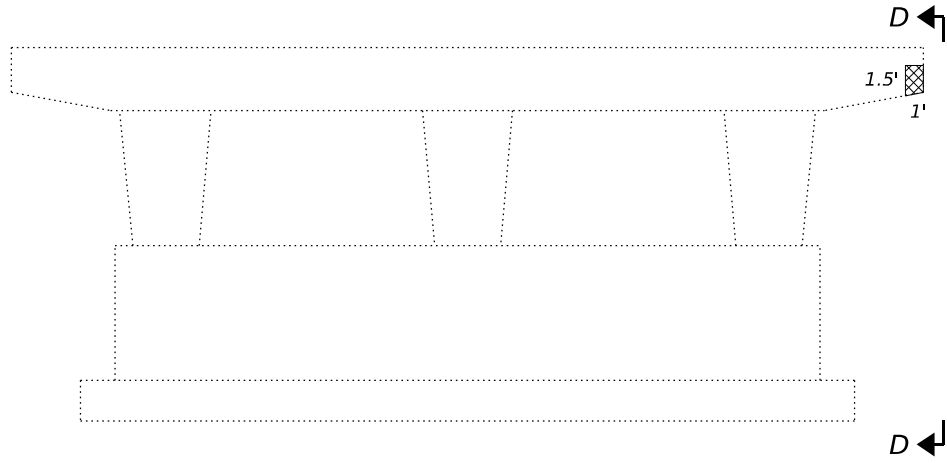
PIER ELEVATION - SOUTH BRIDGE
(Looking West)



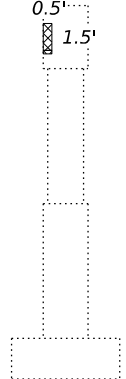
SECTION B-B



VIEW C-C



PIER ELEVATION - NORTH BRIDGE
(Looking East)



VIEW D-D

LEGEND

 Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

Note:
Abutment and pier repairs may be done under full traffic or as directed by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Yd.	34

design firm
no. 184001036



USER NAME = jmontrey
PLOT DATE =
PLOT TIME =

DESIGNED - FWS
CHECKED - SBC
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CHECKED - FWS / SBC

REVISED -
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REVISED -

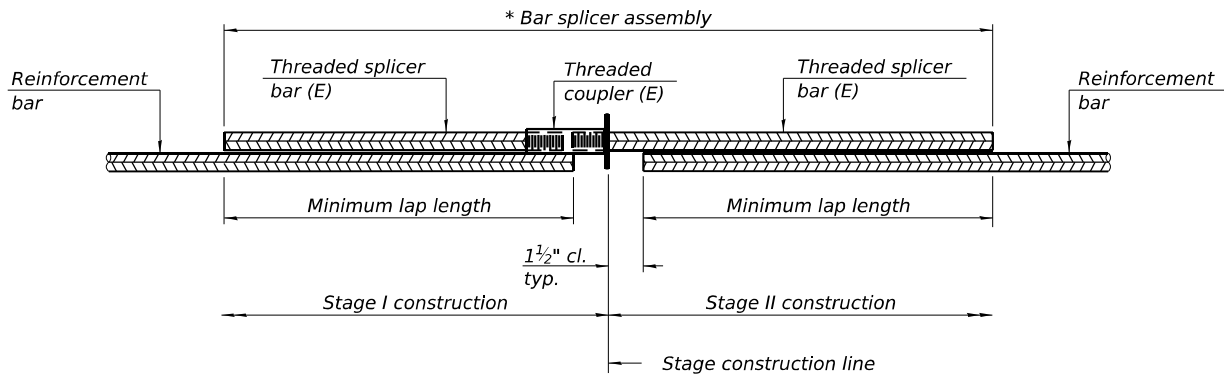
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 15 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	97
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-8\10257 PTB 214-047 On-Call\10257.03-164 Bridge Repairs\CADD\10-12\CADD Data\Bridge\04-10081-0082-D978B34.dgn



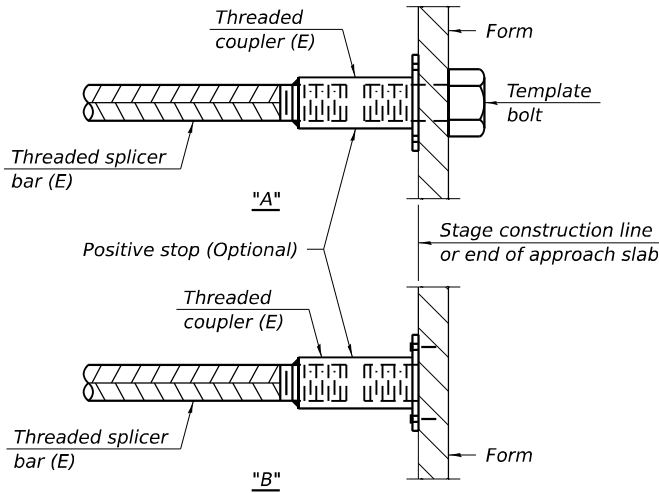
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

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

Location	Bar size	No. assemblies required	Minimum lap length
Joint Replacement	#6	48	3'-11"

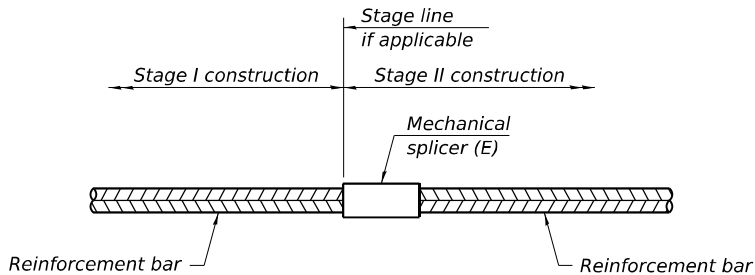


INSTALLATION AND SETTING METHODS

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

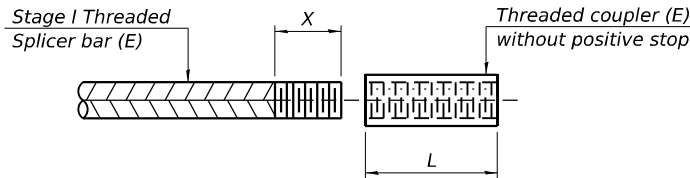
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

4-4-2025



USER NAME = jmontrey	DESIGNED - SBS	REVISED -
	CHECKED - SMC	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - SBS / SMC	REVISED -

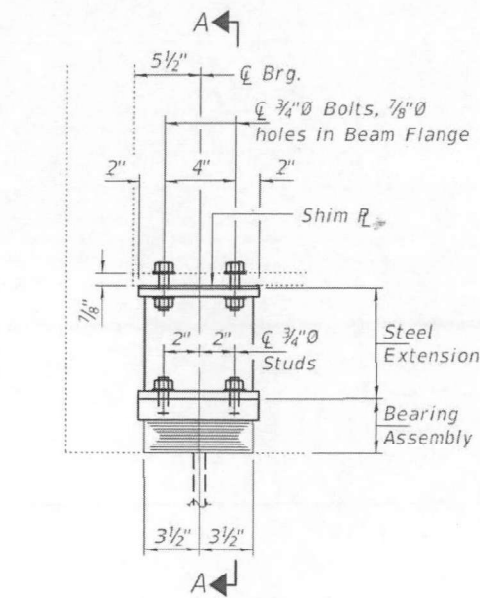
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

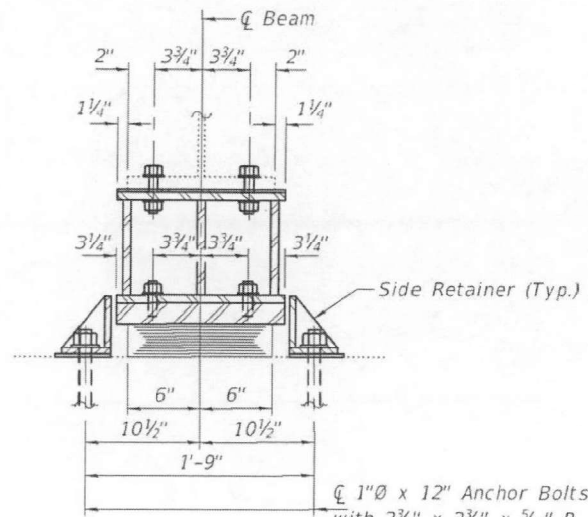
SHEET 16 OF 16 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	98
		CONTRACT NO. 78B34		
		ILLINOIS FED. AID PROJECT		

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-310257 PTB 214-047 On-Call\10257.03 1-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\0410087-0088-D978B34.dgn

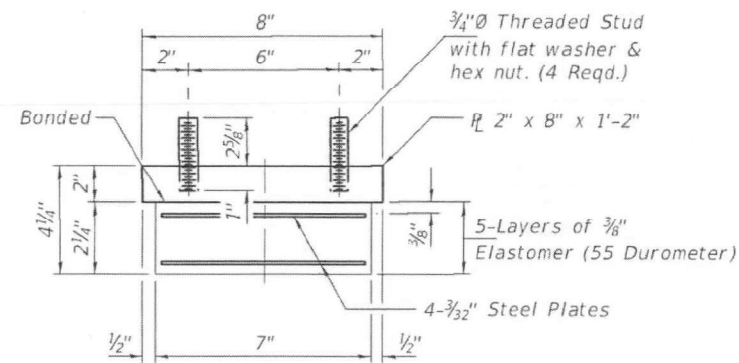


ELEVATION AT ABUTMENT



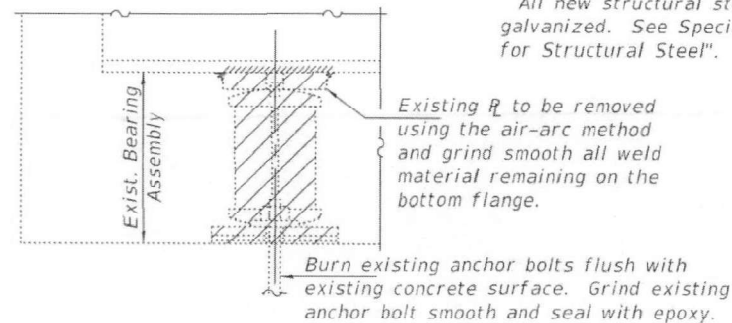
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



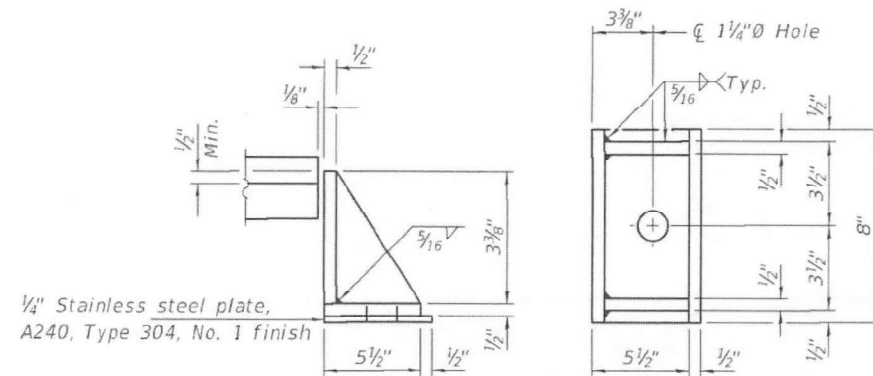
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BEAM REACTIONS

R _D	(K)	20.1
R _L	(K)	36.2
Imp.	(K)	10.5
R (Total)	(K)	66.8

Notes:

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

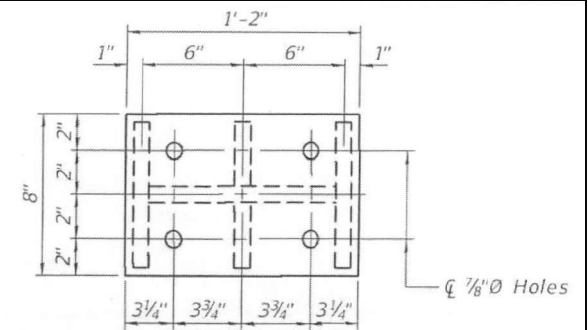
Min. jack capacity = 35 Tons.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (F_y=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

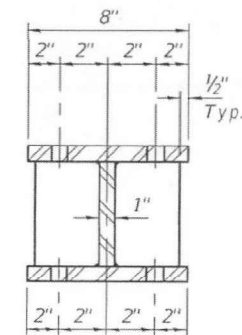
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

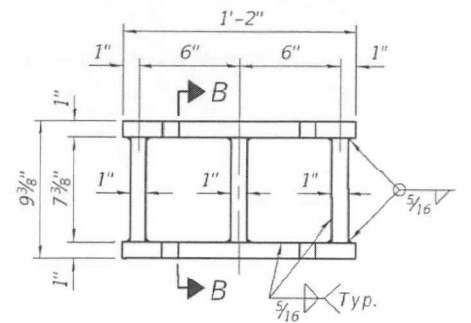
All new structural steel and bearing assembly shall be hot-dip galvanized. See Special Provisions for "Hot Dip Galvanizing for Structural Steel".



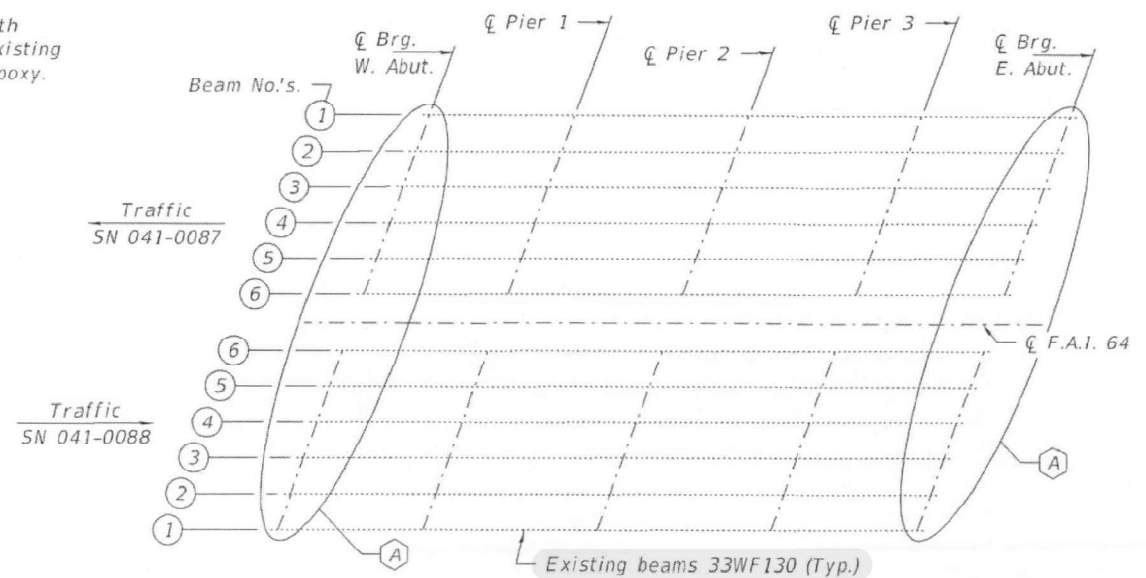
PLAN TOP AND BOTTOM PLATE



SECTION B-B



STEEL EXTENSION DETAIL



PLAN

A - Remove and Replace Bearings

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	24
Jack and Remove Existing Bearings	Each	24
Furnishing and Erecting Structural Steel	Pound	3150
Anchor Bolts, 1"Ø	Each	48

TYI/REPS 5-11-2018

Design firm
no. 184001036

whks
engineers + planners + land surveyors

USER NAME	=	jmontrey
DESIGNED	-	FWS / JLM
CHECKED	-	SBC
PLOT DATE	=	
PLOT TIME	=	
DRAWN	-	DLH / JLM
CHECKED	-	FWS / SBC
REVISED	-	
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

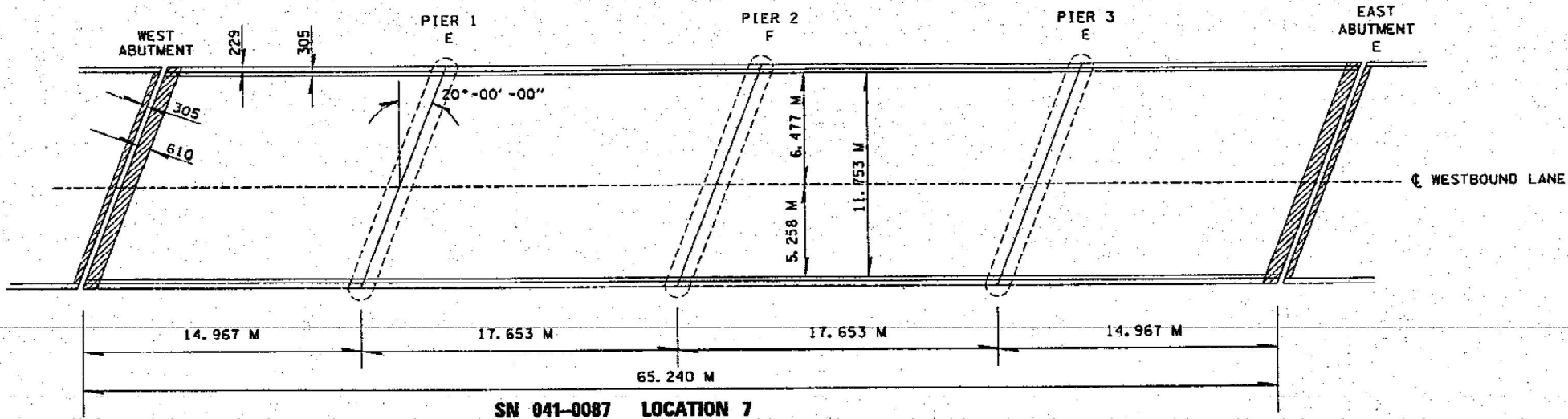
SHEET 1 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	99
				CONTRACT NO. 78B34
ILLINOIS FED. AID PROJECT				

MMO 12/17/98
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45
46 47 48 49 50 51 52 53 54
55 56 57 58 59 60 61 62 63

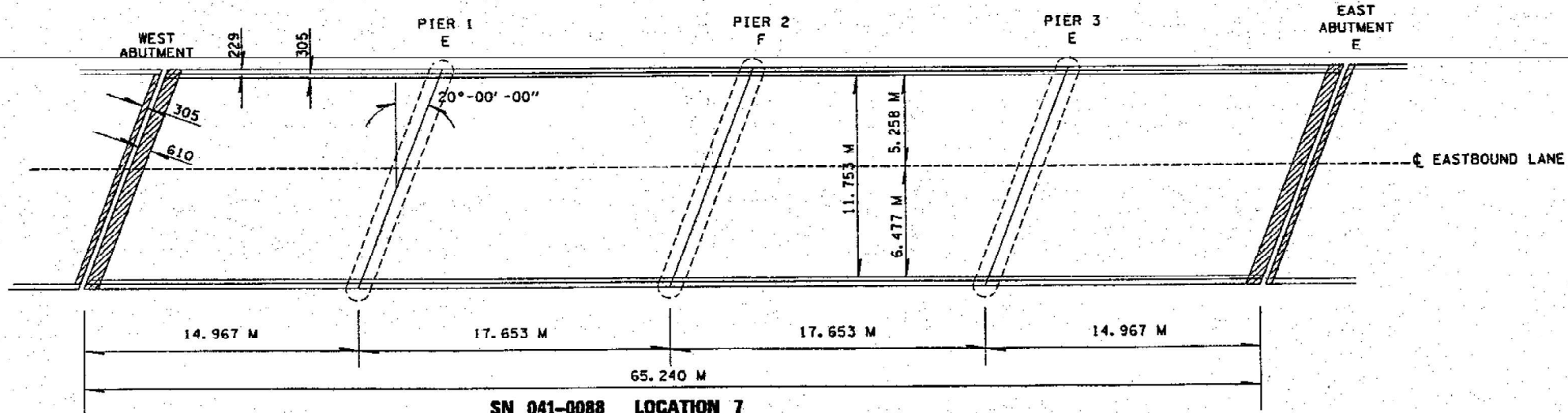
FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	-	JEFFERSON	58	9

0-7 BRIDGE DECK REPAIR 1999-1



SN 041-0087 LOCATION 7

LEGEND	
	EXPANSION JOINT TO BE REPLACED
	EXPANSION JOINT WITH CONCRETE PROTECTION TO REMAIN IN PLACE
	PROTECTIVE SHIELD
	EXPANSION BEARINGS TO BE REPLACED WITH NEW ELASTOMERIC BEARINGS
	PLUG EXISTING DECK DRAINS
NOTE: NEW MICROSILICA CONCRETE OVERLAY ON EACH STRUCTUE	

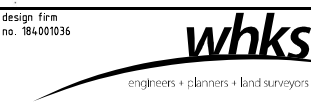


SN 041-0088 LOCATION 7

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION EXISTING STRUCTURE DETAILS SN 041-0087 & SN 041-0088 LOCATION 7	
NAME	DATE		
		DRAWN BY CHECKED BY	DATE

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\IDOT D-810257 PTB 214-047 On-Call\10257.03 I-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\041-0087-0088-D978834.dgn

design firm
no. 184001036



USER NAME = jmontrey	DESIGNED - FWS / JLM	REVISED -
	CHECKED - SBC	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - FWS / SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

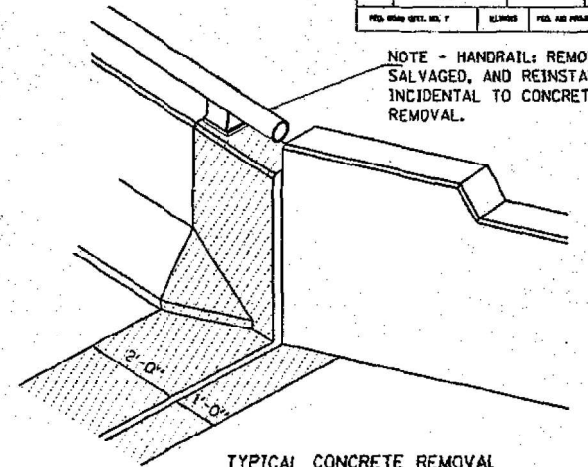
SHEET 3 OF 42 SHEETS

FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	101
CONTRACT NO. 78B34				ILLINOIS FED. AID PROJECT

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-810257 PTB 214-047 On-Call\10257.03 1-64 Bridge Repairs\CADD\10.12\CADD Data\Bridge\041-0087-0088-D978834.dgn

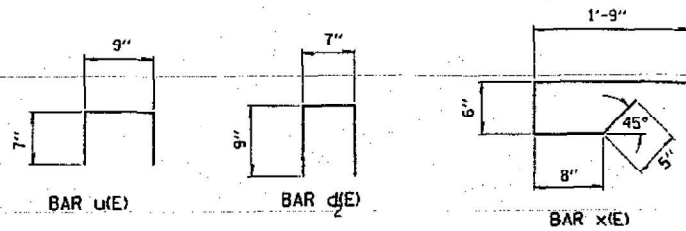
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	JOINT REPAIR 1994-1	JEFFERSON	8	5
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

NOTE - HANDRAIL: REMOVED,
SALVAGED, AND REINSTALLED
INCIDENTAL TO CONCRETE
REMOVAL.



TYPICAL CONCRETE REMOVAL
AT EACH ABUTMENT

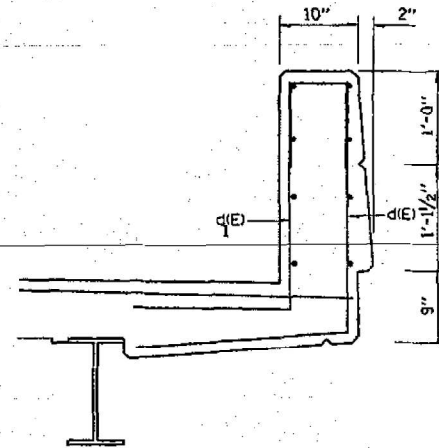
CONCRETE REMOVAL



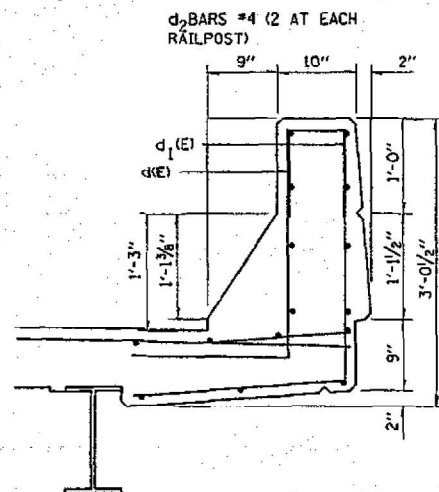
BILL OF MATERIALS (EBL CASEY FORK OVERFLOW SN 041-0088)				
ITEM	UNIT	STAGE I	STAGE II	TOTAL
CONCRETE REMOVAL	CU YD	6.3	5.3	11.6
CONCRETE SUPERSTRUCTURE	CU YD	6.3	5.3	11.6
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1832	1487	3319
REINFORCEMENT BARS (EPOXY COATED)	POUND	1010	851	1861
PREFORMED JOINT SEAL 4"	FOOT	-	-	90
TEMPORARY PAVEMENT MARKING	FOOT	885	890	1775
PAINT PAVEMENT MARKING - LINE 4"	FOOT	885	890	1775
EPOXY CRACK SEALING	FOOT	6	7	13
EPOXY MORTAR REPAIR	CU FT	1.6	0.4	2
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SO YD	255	248	503
BITUMINOUS SHOULDER REMOVAL	SO YD	255	248	503

BILL OF MATERIALS (EBL CASEY FORK OVERFLOW SN 041-0088)				
BAR	NO.	SIZE	LENGTH	SHAPE
d(E)-STAGE I	16	#5	24'-4"	┌───┐
d(E)-STAGE II	16	#5	20'-1"	
d(E)-STAGE I	6	#5	4'-5"	┌───┐
d(E)-STAGE II	6	#5	4'-5"	
d(E)-STAGE I	6	#5	3'-11"	┌───┐
d(E)-STAGE II	6	#5	3'-11"	
d(E)-STAGE I	4	#4	2'-1"	┌───┐
d(E)-STAGE II	4	#4	2'-1"	
u(E)-STAGE I	12	#5	23'-2"	┌───┐
u(E)-STAGE II	12	#5	18'-11"	
u(E)-STAGE I	47	#5	1'-11"	┌───┐
u(E)-STAGE II	39	#5	1'-11"	
x(E)-STAGE I	48	#5	3'-4"	┌───┐
x(E)-STAGE II	40	#5	3'-4"	

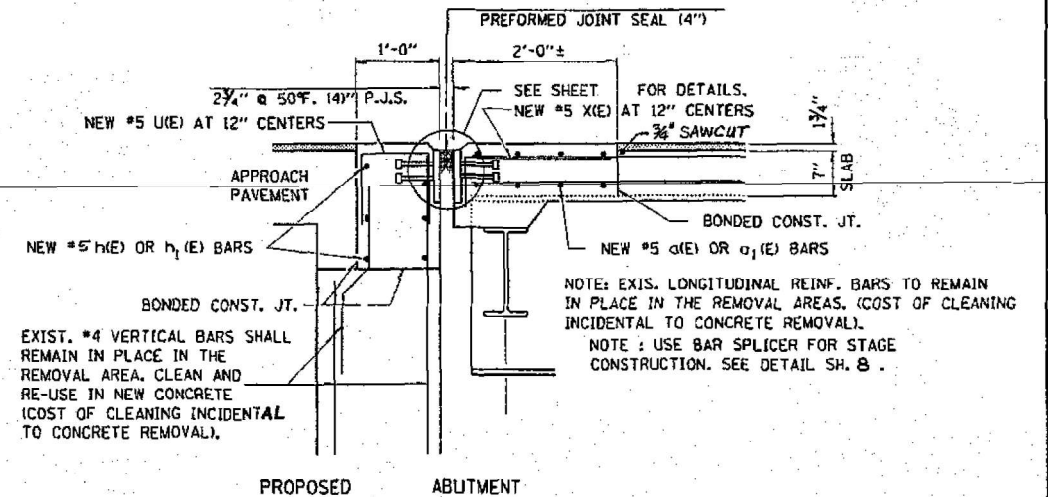
(E) DENOTES EPOXY COATED



END OF PARAPET DETAIL

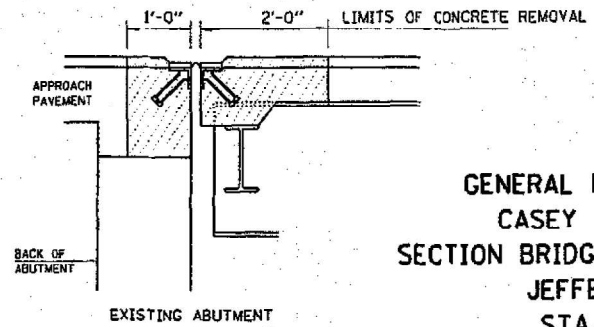


PARAPET DETAIL



PROPOSED ABUTMENT

EXISTING #5 TRANSVERSE BARS SHALL
REMAIN IN PLACE IN THE REMOVAL AREA.
CLEAN AND RE-USE IN NEW CONCRETE
(COST INCIDENTAL TO CONCRETE
REMOVAL)



EXISTING ABUTMENT

GENERAL PLAN & ELEVATION
CASEY FORK OVERFLOW
SECTION BRIDGE JOINT REPAIR 1994-1
JEFFERSON COUNTY
STA. 2765+00.00
(SN. 041-0088)EB

JOINT DETAIL SHEET

USER NAME = jmontrey	DESIGNED - FWS / JLM	REVISED -
PLOT DATE =	CHECKED - SBC	REVISED -
PLOT TIME =	DRAWN - DLH / JLM	REVISED -
	CHECKED - FWS / SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

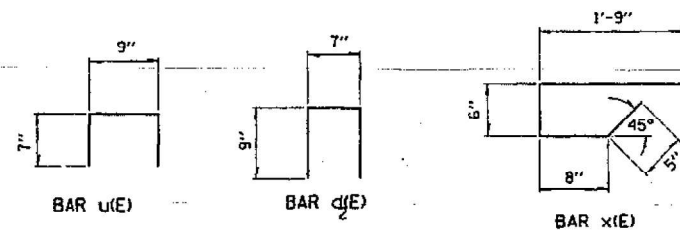
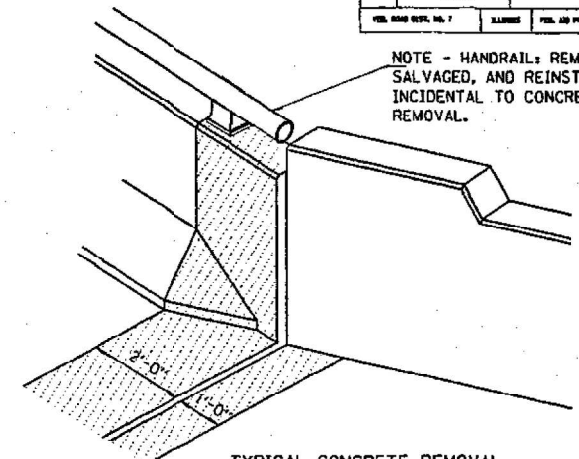
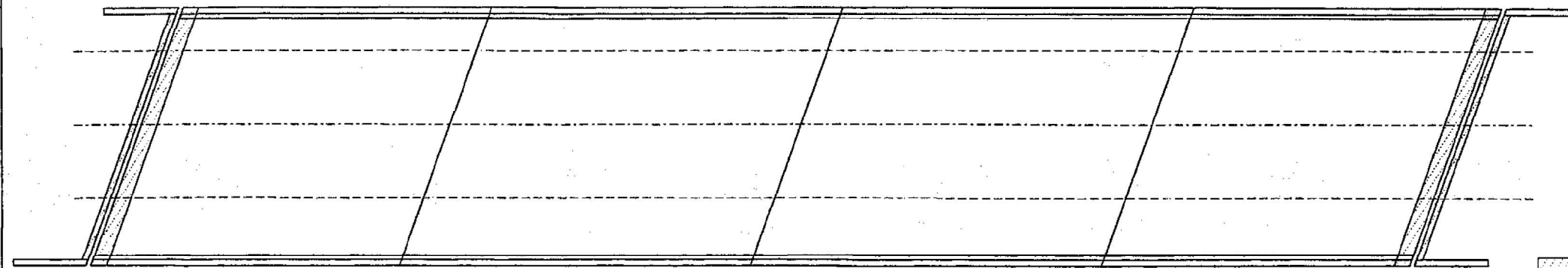
SHEET 4 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	102
ILLINOIS		CONTRACT NO. 78B34		

FED. AID PROJECT

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-810257 PTB 214-047 On-Call\10257.03 1-64 Bridge Repairs\CADD\10.12\CADD Bridge Repairs\CADD10.12\Casey Fork Overflow SN 041-0087-0088-0978834.dgn

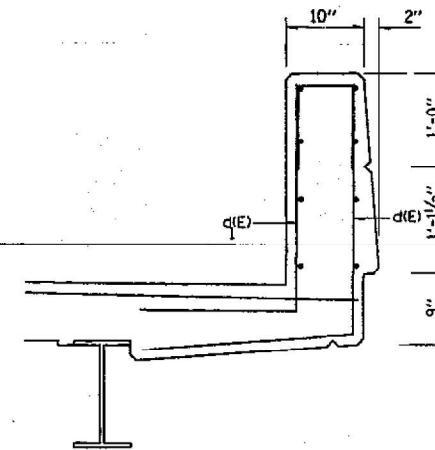
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	JOB REPAIR 1994-1	JEFFERSON	8	6
FED. ROAD DIST. NO. 7				
ILLINOIS				



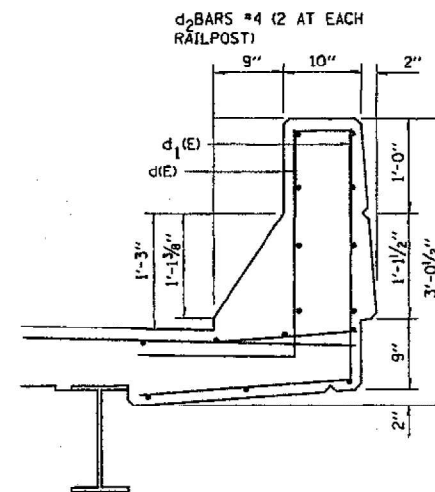
BILL OF MATERIALS (WBL CASEY FORK OVERFLOW SN 041-0087)				
ITEM	UNIT	STAGE I	STAGE II	TOTAL
CONCRETE REMOVAL	CU YD	6.5	5.4	11.9
CONCRETE SUPERSTRUCTURE	CU YD	6.5	5.4	11.9
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1832	1487	3319
REINFORCEMENT BARS (EPOXY COATED)	POUND	1010	841	1851
PREFORMED JOINT SEAL 4"	FOOT	-	-	90
TEMPORARY PAVEMENT MARKING	FOOT	885	890	1775
PAINT PAVEMENT MARKING - LINE 4"	FOOT	885	890	1775
FORMED CONCRETE REPAIR (FORMED <= 5")	SQ FT	5.6	-	5.6
FORMED CONCRETE REPAIR (FORMED > 5")	SQ FT	2.8	-	2.8
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	255	248	503
BITUMINOUS SHOULDER REMOVAL	SQ YD	255	248	503

BILL OF MATERIALS (WBL CASEY FORK OVERFLOW SN 041-0087)				
BAR	NO.	SIZE	LENGTH	SHAPE
d(E)-STAGE I	16	#5	24'-4"	[Diagram]
d(E)-STAGE II	16	#5	20'-1"	
d(E)-STAGE I	6	#5	4'-5"	[Diagram]
d(E)-STAGE II	6	#5	4'-5"	
d(E)-STAGE I	6	#5	3'-11"	[Diagram]
d(E)-STAGE II	6	#5	3'-11"	
d(E)-STAGE I	4	#4	2'-1"	[Diagram]
d(E)-STAGE II	4	#4	2'-1"	
h(E)-STAGE I	12	#5	23'-2"	[Diagram]
h(E)-STAGE II	12	#5	18'-11"	
u(E)-STAGE I	47	#5	1'-11"	[Diagram]
u(E)-STAGE II	39	#5	1'-11"	
x(E)-STAGE I	48	#5	3'-4"	[Diagram]
x(E)-STAGE II	40	#5	3'-4"	

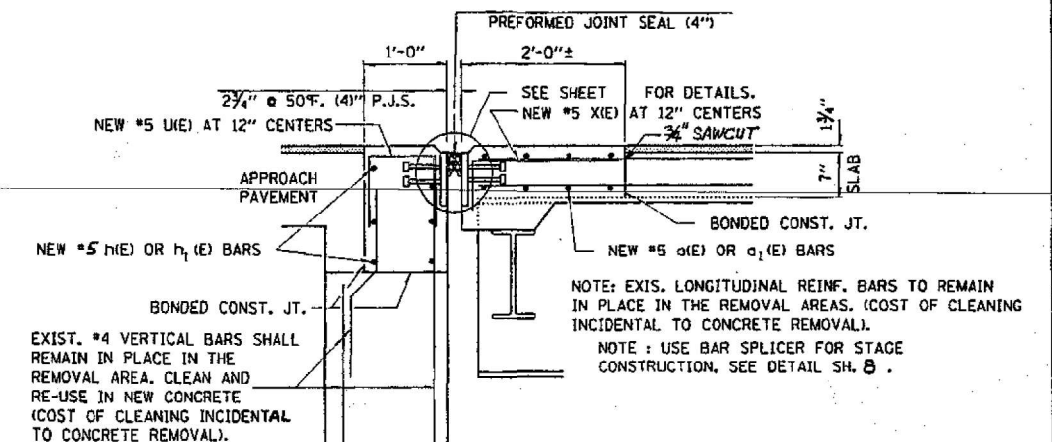
(E) DENOTES EPOXY COATED



END OF PARAPET DETAIL

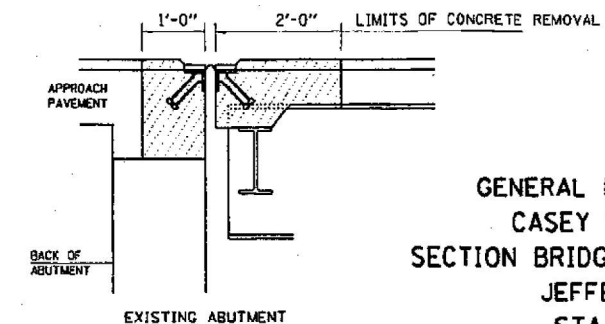


PARAPET DETAIL



PROPOSED ABUTMENT

EXISTING #5 TRANSVERSE BARS SHALL REMAIN IN PLACE IN THE REMOVAL AREA. CLEAN AND RE-USE IN NEW CONCRETE (COST INCIDENTAL TO CONCRETE REMOVAL)



EXISTING ABUTMENT

GENERAL PLAN & ELEVATION
CASEY FORK OVERFLOW
SECTION BRIDGE JOINT REPAIR 1994-1
JEFFERSON COUNTY
STA. 2765+00.00
(SN. 041-0087)WB

JOINT DETAIL SHEET

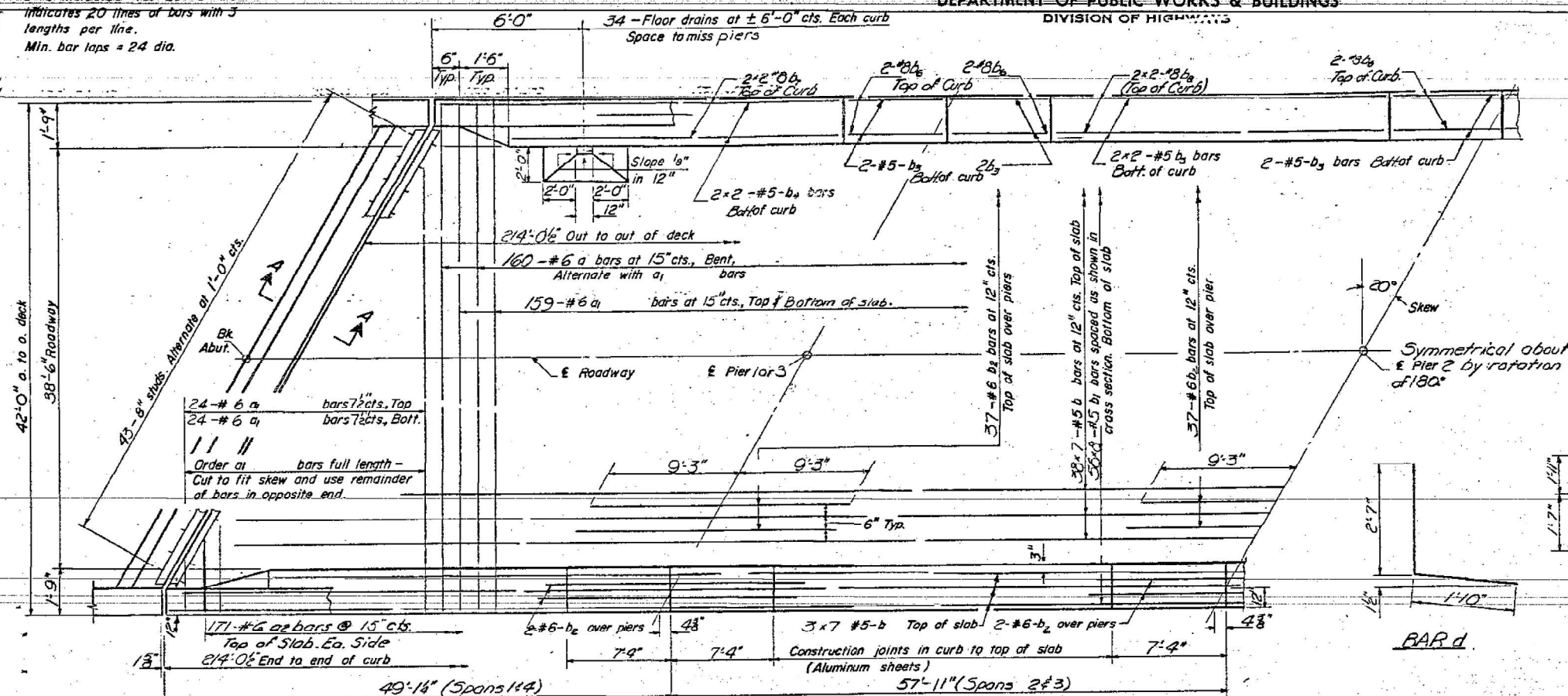
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PLOT DATE =	CHECKED - SBC	REVISED -
PLOT TIME =	DRAWN - DLH / JLM	REVISED -
	CHECKED - FWS / SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

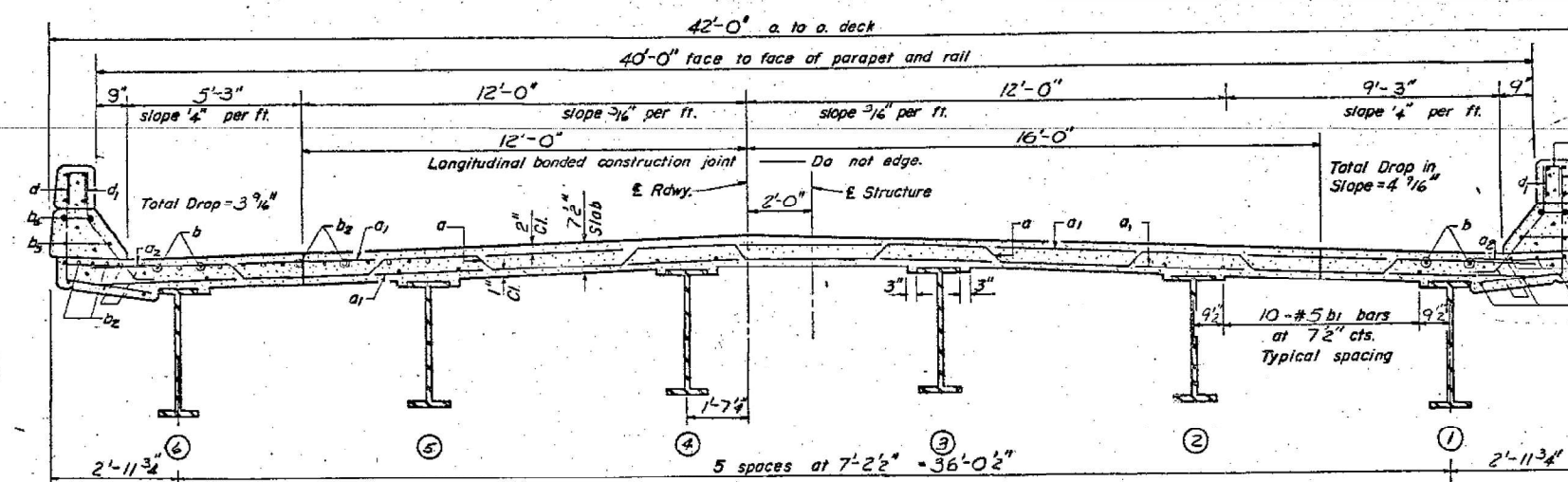
EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 5 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	103
CONTRACT NO. 78B34				
ILLINOIS				

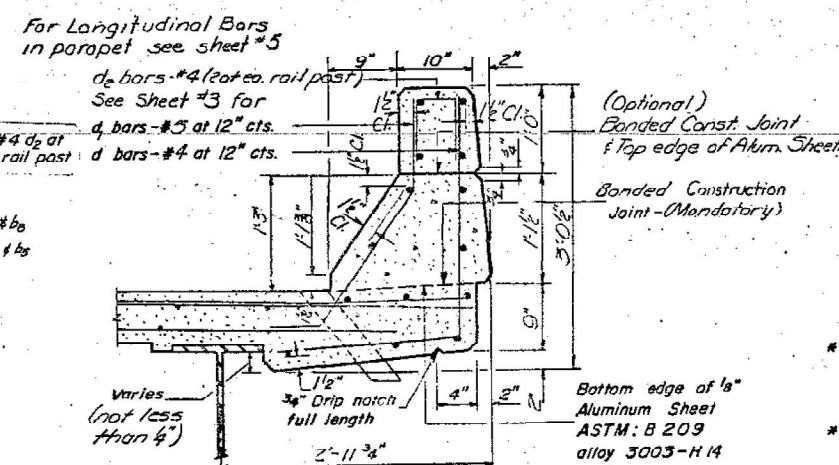


HALF PLAN



NEAR PIER

NEAR MIDSPAN



CURB SECTION

Cost of Aluminum Drains and Sheets shall be incidental to Class X Concrete

3/8" x 1'-1" Aluminum bar
ASTM: B211 alloy 6061-T6

Fill slot with weld

3/16" Aluminum Sheet's Specified
ASTM: B209 alloy 8061-T6

FLOOR DRAIN

TWO BRIDGES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	320	#6	43'-1"	
a ₁	732	#6	40'-6"	—
a ₂	684	#6	4'-0"	—
b	616	#5	31'-9"	—
b ₁	896	#5	28'-0"	—
b ₂	246	#6	18'-6"	—
b ₃	48	#5	7'-1"	—
b ₄	32	#5	21'-5"	—
b ₅	32	#5	22'-2"	—
b ₆	48	#8	7'-1"	—
b ₇	32	#8	21'-9"	—
b ₈	32	#8	22'-6"	—
d	856	#4	4'-5"	
d ₁	856	#5	3'-5"	—
d ₂	208	#4	2'-1"	
Reinforcement Bars			Lbs.	135110
Structural Steel			Lbs.	410170
Class X Concrete			Cu. Yd.	4927

* Weight of bearing assemblies with lead plates, and anchor bolts are included as structural steel.
Est. Wt = 17170

The lengths and quantities of longitudinal reinforcement and Glass X Concrete in parapets are not included in above quantities. See sheet 5

SUPERSTRUCTURE
NORTH & SOUTH BRIDGES
F.A.I. RT. 64 SEC. 41 - 8B - 1
JEFFERSON COUNTY
STATION 2765 + 00

DESIGNED A. Y. Khayyat
CHECKED George Al-Bazi
DRAWN Imtheneringer
CHECKED George Al-Bazi

EXAMINED Feb. 27 1968
C. S. Thurman
 ENGINEER, STRUCTURES AND TRAFFIC STRUCTURES
 PASSED W. E. Brownson
 ENGINEER OF DESIGN
 APPROVED V. E. Hoff
 CHIEF HIGHWAY ENGINEER

I-6-L ($>14^\circ$) 8-1-65 Rev. 1-11-66
MODIFIED Rev. 8/29/62 SYK

CROSS SECTION
North Bridge Looking West
South Bridge Looking East

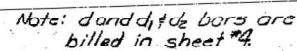
Diagram of a tapered bar fixed at one end and free at the other. The bar has a total length of 4.2 m, divided into a 1.6 m tapered section and a 2.6 m uniform section. A vertical force of 20 kN is applied at the free end.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 7 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	105
		CONTRACT NO. 78B34		
		ILLINOIS FED. AID PROJECT		



~~METHOD OF MEASUREMENT: Aluminum handrail shall be measured in lineal feet. The length paid for shall be the over all length along the top longitudinal railing member thru all posts and gaps.~~

~~BASIS OF PAYMENT: Aluminum handrail shall be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation, and erection.~~

~~Cost of rail splice, end caps, and hardware to be incidental to item ALUMINUM HANDRAIL.~~

~~Provide 1- $\frac{5}{8}$ " and 2- $\frac{1}{8}$ " Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade—high spots shall be ground, and low spots shimmed.~~

~~PARAPET JOINT DETAIL~~

~~~~

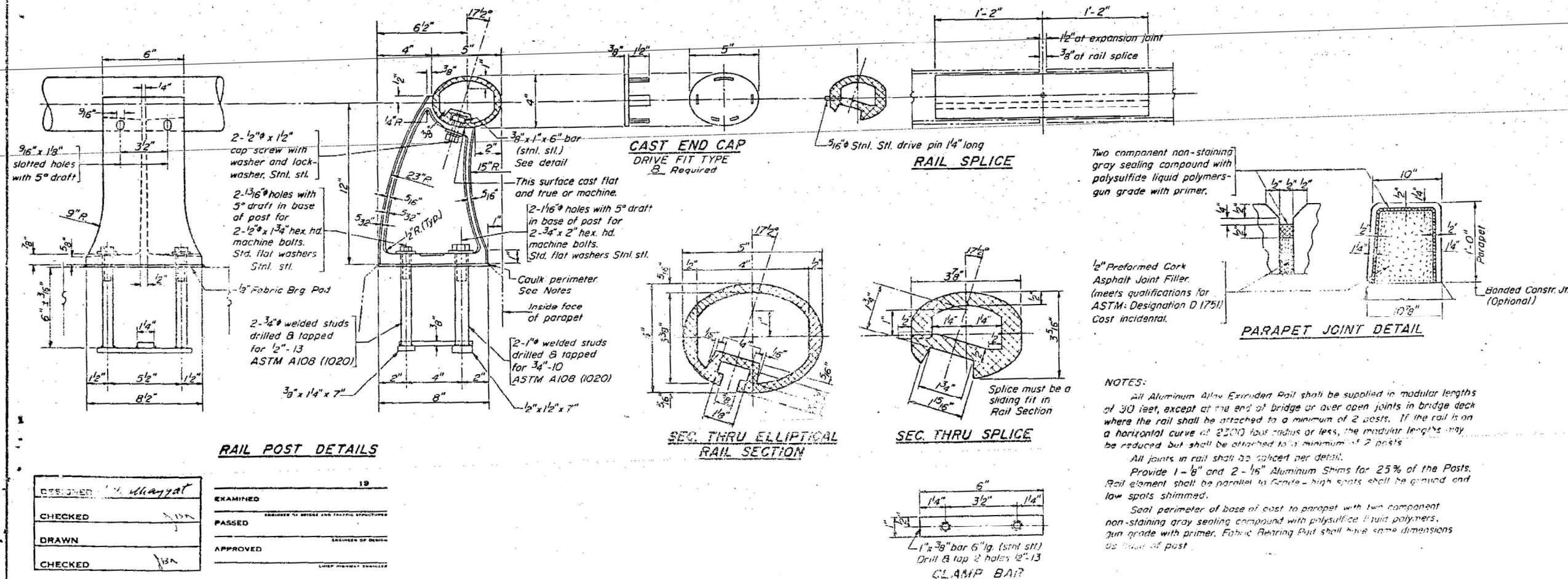
~~4" x 8" bar 6" lg. (stnl. stl.)
Drill 1/2" top 2 holes 1/2" - 13~~

~~CLAMP BAR~~

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 50
41-8	81	JEFFERSON	99	50	11 SHEETS
DATE	BY	DESIGNED	DRAWN	CHECKED	

Work sheet with sheet #5



PARAPETS & RAILS BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
e		#4		
e1		#4		
e2		#4		
e3		#4		
Reinforcement Bars Lbs				
Class of Concrete Cu Yds				
Aluminum Railing Lin Ft				

ALUMINUM RAILING
NORTH & SOUTH BRIDGES
F.A.I. RT. 64 SEC. 41-8B-1
JEFFERSON COUNTY
STA. 2765 + 00

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring-Projects\DOT-D-910257 PTB 214-047 On-Call\10257 03 1-64 Bridge Repairs\CADD\10 12\CADD Data\Bridg04 10087-0088-D978834.dgn

design firm
no. 184001036

whks
engineers + planners + land surveyors

USER NAME	= jmontrey	DESIGNED	- FWS / JLM	REVISED	-
PLOT DATE	=	CHECKED	- SBC	REVISED	-
PLOT TIME	=	DRAWN	- DLH / JLM	REVISED	-
		CHECKED	- FWS / SBC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

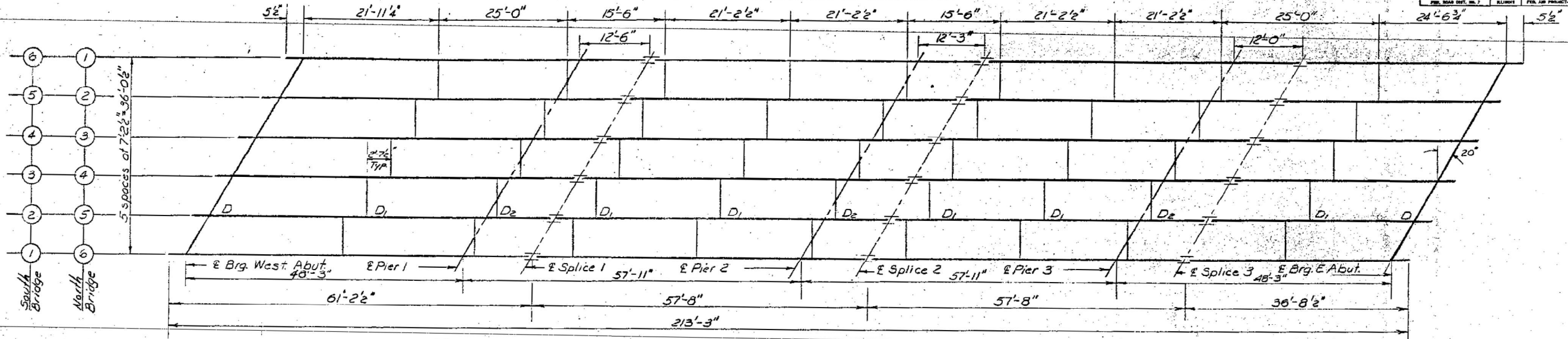
EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0087 (WB) & 041-0088 (EB)

SHEET 9 OF 42 SHEETS

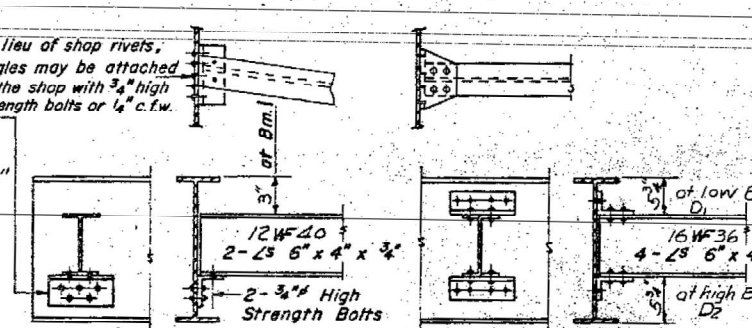
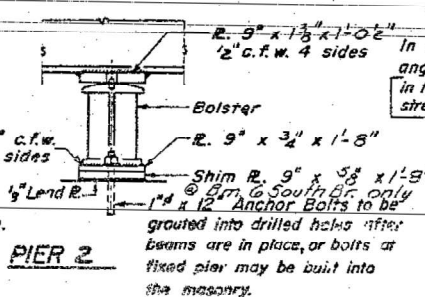
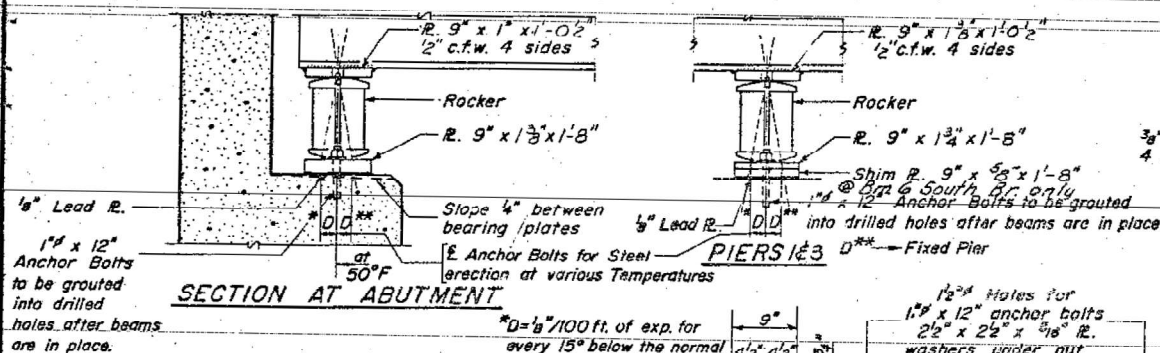
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	107
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	DATE
41-8B-1	JEFFERSON	99	51	11	5-10-63



Note: Run all diaphragms level



MOMENTS & REACTIONS (Interior Beams)

	Moment (Kip-Ft)				Reaction (Kip)			
	04 Span	05 Span	06 Span	07 Span	Abut.	04 Span	05 Span	06 Span
D.L.	181.9	-314.6	152.2	-304.6	20.1	65.2	63.5	
L.L.	313.2	-252.4	311.7	-263.4	36.2	43.8	43.8	
T.M.P.	90.5	-71.0	85.1	-72.0	10.5	12.3	12.0	
Total	585.6	-638.0	549.0	-640.0	66.8	121.3	119.3	

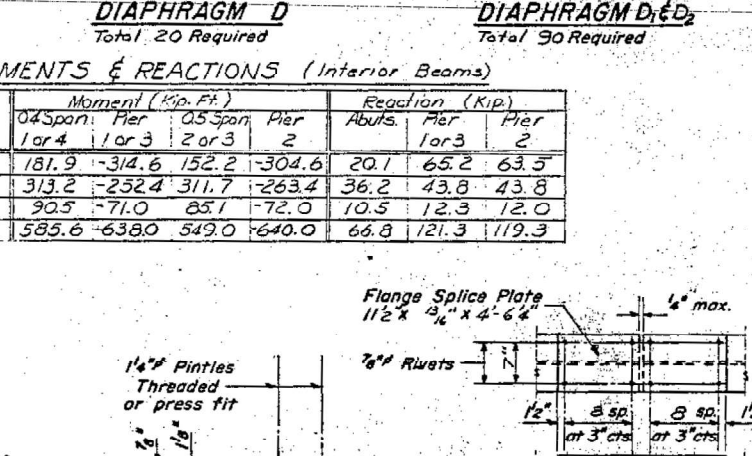
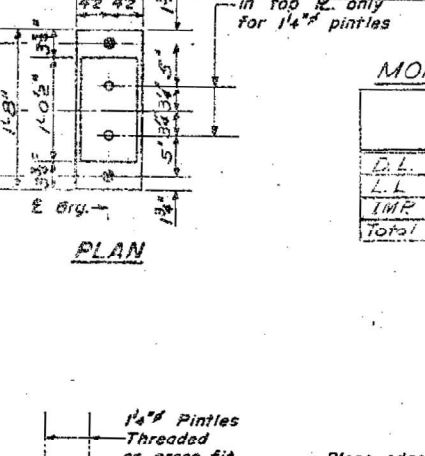
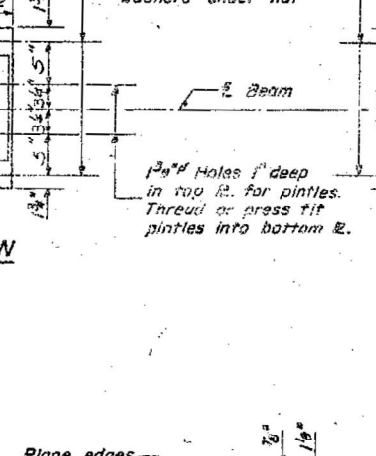
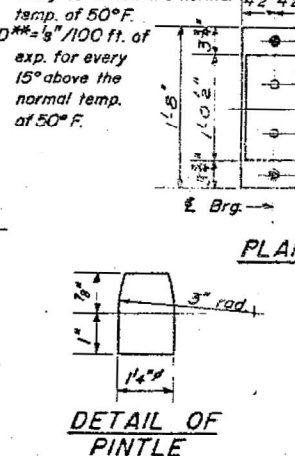
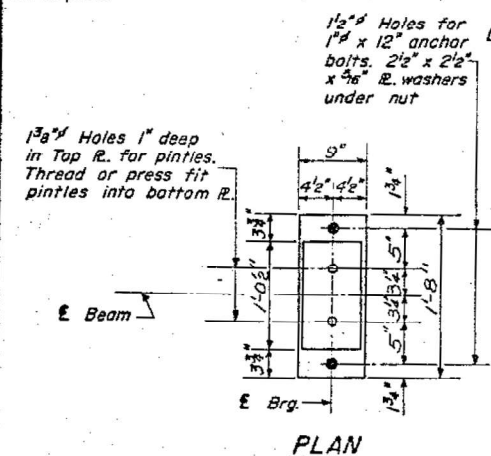
ELEVATIONS OF TOP OF WF (for fabrication only)

NORTH BRIDGE

	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6
E Brg. West Abut.	435.55	435.60	435.62	435.64	435.65	435.66
E Brg. Pier 1	435.34	435.49	435.62	435.64	435.65	435.66
E Splice 1	435.25	435.44	435.57	435.64	435.65	435.66
E Brg. Pier 2	435.16	435.31	435.44	435.51	435.60	435.68
E Splice 2	435.15	435.28	435.41	435.48	435.57	435.65
E Brg. Pier 3	435.00	435.15	435.28	435.35	435.42	435.50
E Splice 3	434.97	435.12	435.25	435.32	435.40	435.49
E Brg. East Abut.	434.93	435.08	435.21	435.28	435.37	435.45

SOUTH BRIDGE

	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6
E Brg. West Abut.	435.65	435.65	435.65	435.65	435.65	435.65
E Brg. Pier 1	435.47	435.60	435.72	435.78	435.86	435.92
E Splice 1	435.42	435.57	435.67	435.73	435.81	435.87
E Brg. Pier 2	435.29	435.44	435.57	435.64	435.73	435.81
E Splice 2	435.28	435.41	435.51	435.57	435.65	435.73
E Brg. Pier 3	435.13	435.28	435.38	435.44	435.52	435.60
E Splice 3	435.10	435.25	435.35	435.41	435.49	435.57
E Brg. East Abut.	435.06	435.21	435.31	435.37	435.45	435.53



STRUCTURAL STEEL
NORTH & SOUTH BRIDGES
F.A.I. RT 64 SEC 41-8B-1
JEFFERSON COUNTY
STA. 2765+00

DESIGNED	A.Y. Hays
CHECKED	George A. Bazi
DRAWN	Jm. Heninger
CHECKED	George A. Bazi

EXAMINED	W.E. Brumm
PASSED	W.E. Brumm
APPROVED	W.E. Brumm

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

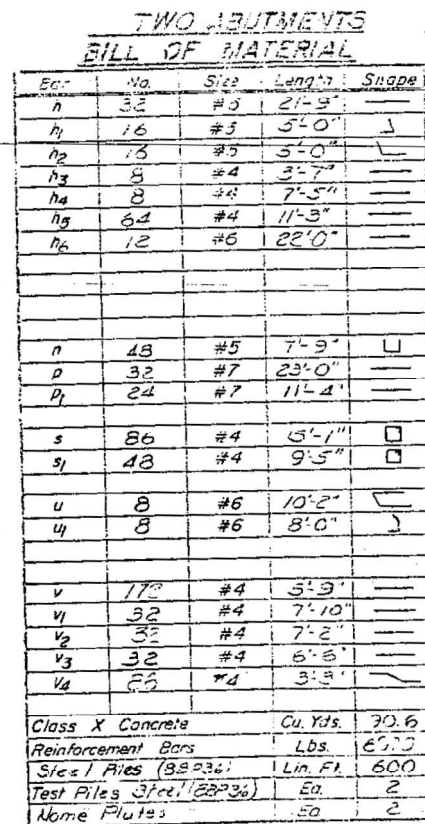
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CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

DESIGNED	FWS / JLM
CHECKED	SBC
DRAWN	DLH / JLM
CHECKED	FWS / SBC

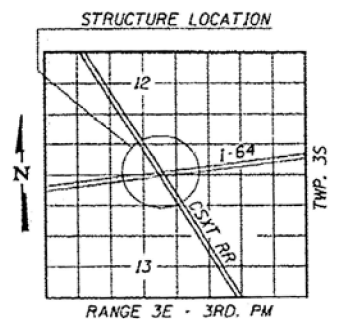


WEST ABUT. SOUTH BRIDGE
EAST ABUT. NORTH BRIDGE
FAI. RT. 64 SEC. 41-8B-1
JEFFERSON COUNTY
STA. 2765+00

The deck surface shall have its final finish tined according to Article 420.09(x)(1) of the Standard Specifications. Cost included with Concrete Superstructure. Reinforcement bars designated (E) shall be epoxy coated. All structural steel shall conform to AASHTO M 270 Grade 36 unless otherwise noted. No field welding is permitted except as specified in the contract documents. Prior to pouring the new concrete section, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in CONCRETE REMOVAL. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

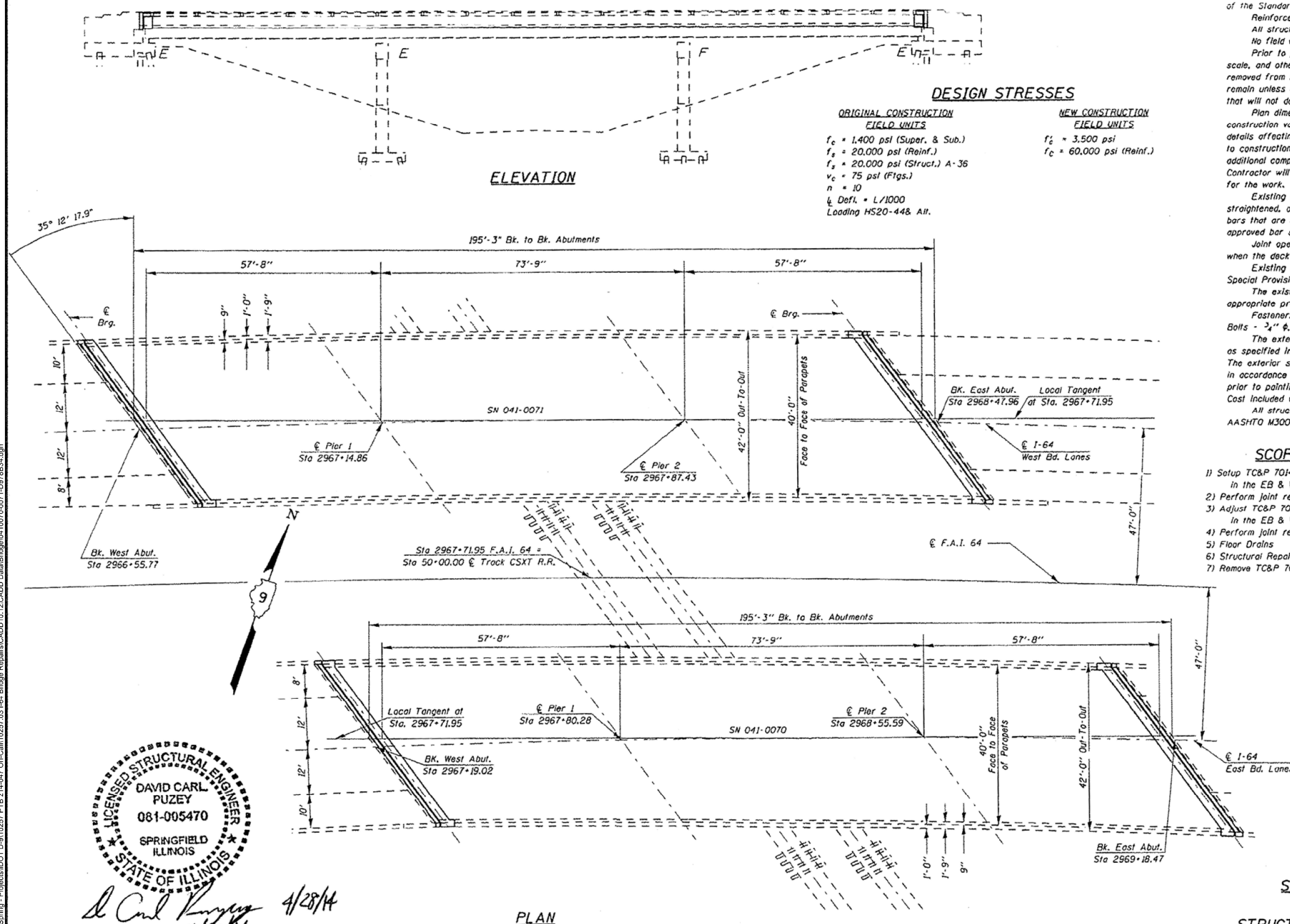
SCOPE OF WORK

- 1) Setup TC&P 701402 with barrier for Stage I work in the EB & WB driving lanes of I-64.
- 2) Perform joint reconstruction.
- 3) Adjust TC&P 701402 for Stage II with barrier work in the EB & WB passing lanes of I-64.
- 4) Perform joint reconstruction.
- 5) Floor Drains
- 6) Structural Repair of Concrete
- 7) Remove TC&P 701402.



ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	33.8
Concrete Superstructure	Cu. Yd.	33.4
Reinforcement Bars, Epoxy Coated	Pound	4800
Bar Splicers	Each	56
Preformed Joint Strip Seal	Foot	224
Floor Drain Extension	Each	16
Plug Existing Deck Drains	Each	12
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.	79

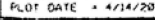
GENERAL PLAN
FAI 64 OVER CSXT RR
SECTION D9 CM BRIDGE REPAIR 2014-2
JEFFERSON COUNTY
STRUCTURE NUMBER 041-0070 (EB) & 041-0071 (WB)



PLAN

A circular professional seal for a Licensed Structural Engineer in the State of Illinois. The outer ring of the seal contains the text "LICENSED STRUCTURAL ENGINEER" at the top and "STATE OF ILLINOIS" at the bottom, separated by two five-pointed stars. The center of the seal contains the following text: "DAVID CARL PUZEY", "081-005470", and "SPRINGFIELD ILLINOIS".

Exp. 11/30/14 4/28/14

FILE NAME =		USER NAME = USER#	DESIGNED - AMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION SN 041-0070 & 041-0071				FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwworking\pwworld\adam\180379162\78379162.dgn		PLT = plt.dgn	DRAWN -	REVISED -		64	*	JEFFERSON	12	4				
MODEL NAME =		PLOT SCALE = 30.0000' / in.	CHECKED - SMR	REVISED -		CONTRACT NO. 78371								
		PLOT DATE = 4/14/2014	DATE	REVISED -										
design firm no. 180401036		USER NAME =	DESIGNED - FWS / JLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS - FOR INFORMATION ONLY STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)				FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
 engineers + planners + land surveyors			CHECKED - SBC	REVISED -		64	D9 BRIDGE OVERLAY 2028-1	JEFFERSON	141	111				
		PLOT DATE =	DRAWN - DLH / JLM	REVISED -		CONTRACT NO. 78B34								
		PLOT TIME =	CHECKED - FWS / SBC	REVISED -										
						SHEET 13 OF 42 SHEETS				ILLINOIS FED. AID PROJECT				



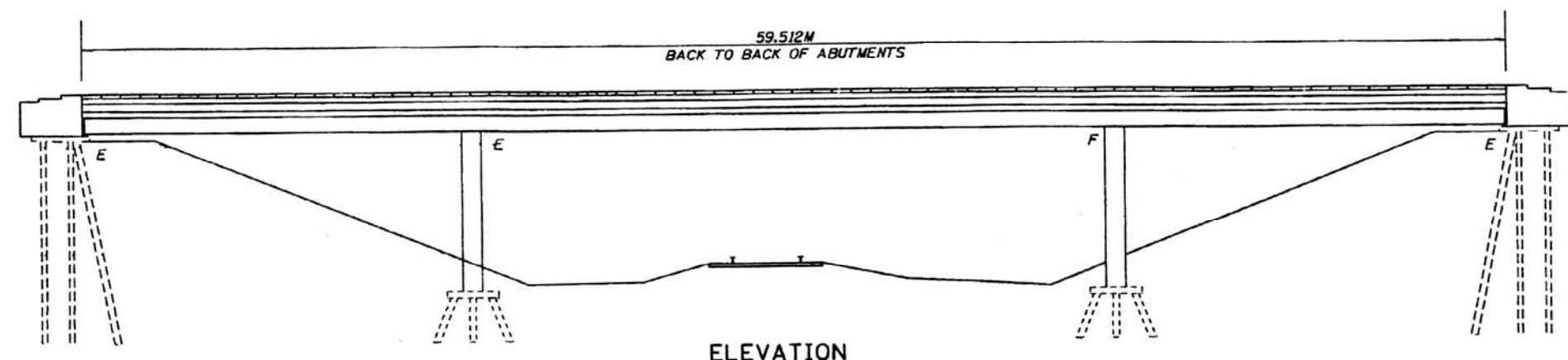
JOINT REPLACEMENT &
REINFORCEMENT DETAILS
STRUCTURE 041-0070 EAST ABUTMENT
041-0071 WEST ABUTMENT

BAR	NO.	SIZE	LENGTH	SHAPE
$\alpha(E)$	40	5	25'-4"	
$\alpha_2(E)$	20	6	4'-0"	
$\sigma_1(E)$	20	5	3'-6"	
$\sigma_2(E)$	20	4	3'-6"	
$\kappa(E)$	16	6	25'-4"	
$\alpha(E)$	100	5	1'-11"	
$\kappa(E)$	100	5	2'-9"	
CONCRETE SUPERSTRUCTURE			CU YD	16.7
CONCRETE REMOVAL			CU YD	16.9
BAR SPLICERS			EACH	28
REINFORCEMENT BARS EPOXY COATED			POUND	2400

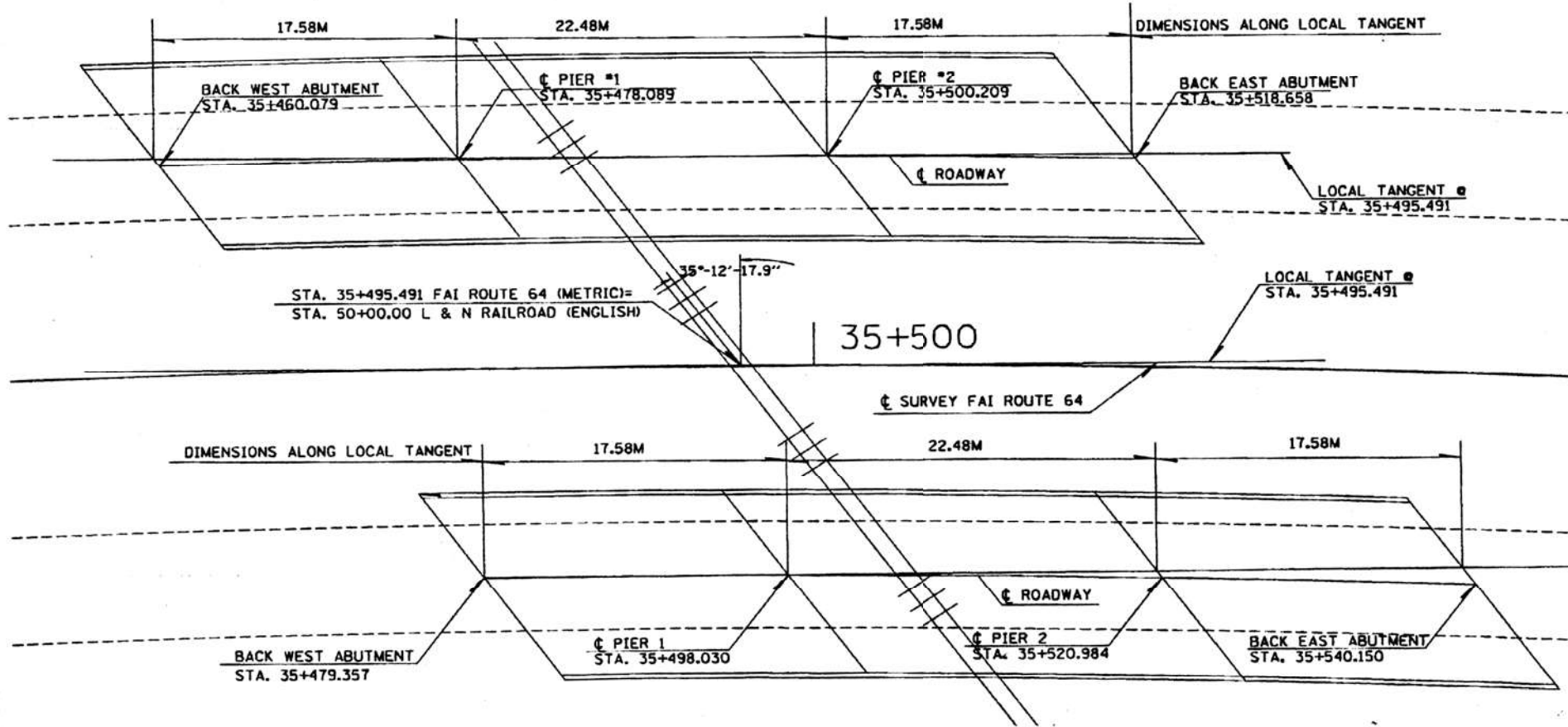
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	-	JEFFERSON	12	7
CONTRACT NO. 78371				
ILLINOIS FED. AID PROJECT				
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	113
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		JEFFERSON	22	12
FED. AID PROJ. NO. 7				
FED. AID PROJECT NO.				

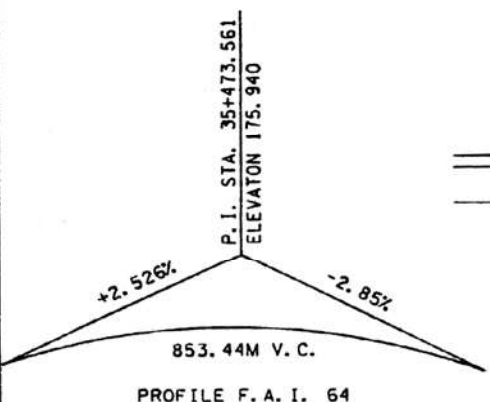
*(41-8-1, 41-9)RS



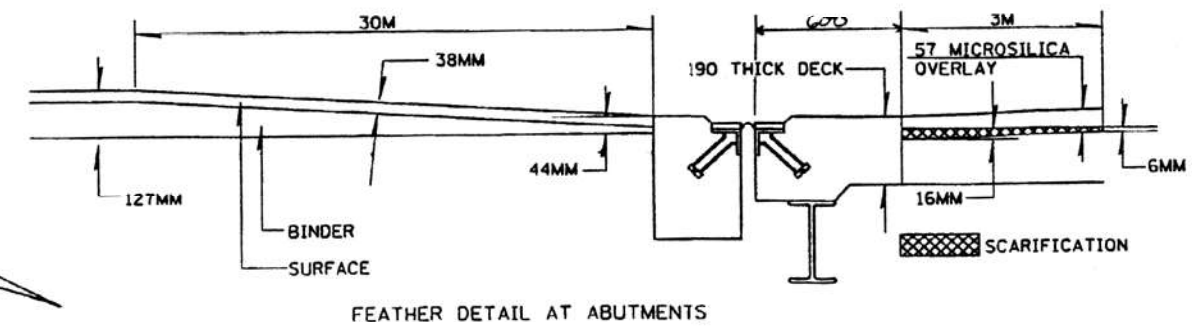
ELEVATION



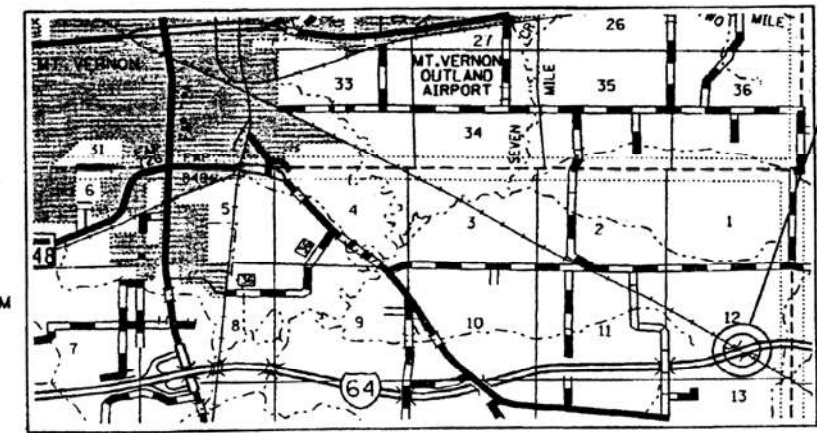
PLAN



PROFILE F. A. I. 64



FEATHER DETAIL AT ABUTMENTS



LOCATION MAP

GENERAL NOTES

ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH INORGANIC ZINC-RICH PRIMER AS PER AASHTO M300, TYPE 1.

ALL STRUCTURAL STEEL SHALL BE AASHTO M 270 GRADE 345.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31M, M-42M, OR M-53M; GRADE 400.

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

EXISTING BRIDGE DECK IS 190MM (7.5") THICK.

ALL DIMENSIONS ARE IN MILLIMETERS (MM) UNLESS OTHERWISE NOTED.

BILL OF MATERIALS		UNIT	TOTAL
ITEM			
TC-PROT 701401 SPL	L. SUM		1
PAVEMENT MARKING REMOVAL	SQ M		169
F & E STRUCTURAL STEEL	KG		3470
BITUMINOUS CONC REMOVAL (DECK)	SQ M		1342
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ M		81
DECK SLAB REPAIR (FULL DEPTH-TYPE 2)	SQ M		4
BRIDGE DECK SCARIFICATION	SQ M		1342
BRIDGE DECK MICROSILICA CONC OVERLAY	SQ M		1342
BRIDGE DECK GROOVING	SQ M		1272
BIT SURFACE REMOVAL VARIABLE DEPTH	SQ M		439
TEMPORARY RAMP	SQ M		59
RELIEF JOINT 100	METER		44
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH		24
ELASTOMERIC BEARING ASSEMBLY TYPE II	EACH		12
JACK & REMOVE EXISTING BEARINGS	EACH		36

STRUCTURE TO BE REPAIRED

GENERAL PLAN & ELEVATION
FAI ROUTE 64 OVER L&N RR
SECTION 41-9VBR-1
JEFFERSON COUNTY
STATION 35+495.491
SN 041-0070 & 041-0071

FILE NAME: C:\SP\WHKS & CO\Jobs\Spring - Projects\DOT D-910257 PTB 214-047 On-Call\10257.03 L&N Bridge Repairs\CADD\10-12\CADD Data\Bridge\0410070-0071-D978834.dgn

Design firm
no. 184001036

whks
engineers + planners + land surveyors

USER NAME =	DESIGNED - FWS / JLM	REVISED -
	CHECKED - SBC	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - FWS / SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

SHEET 16 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	114
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

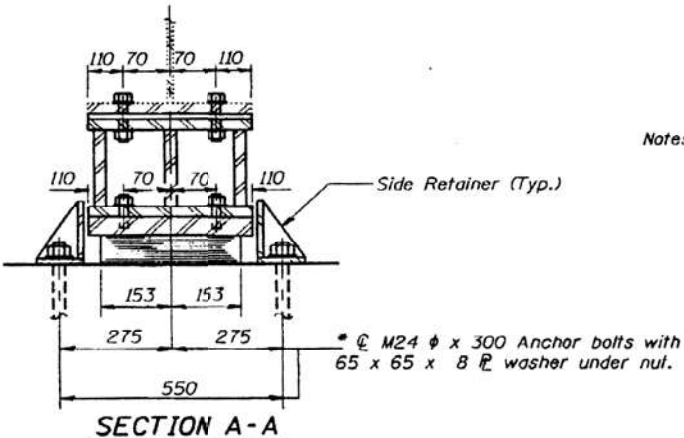
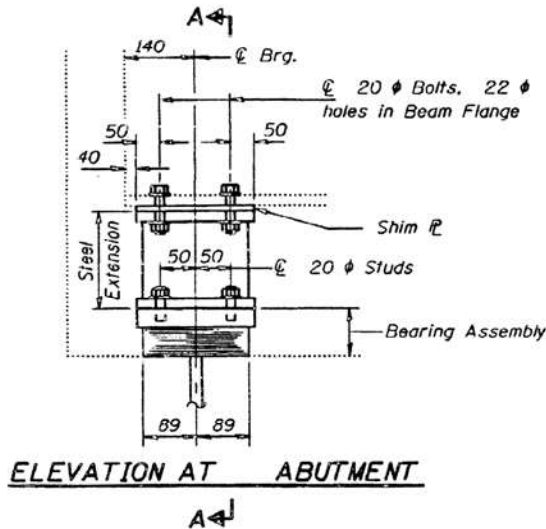
NO.	SECTION	PROJECT	SHEET	CL.
64		JEFFERSON	22	16
FED. AID DIST. C.D. 1		ILLINOIS	FED. AID PROJECT C.D.	

•(41-8-1, 41-9)RS

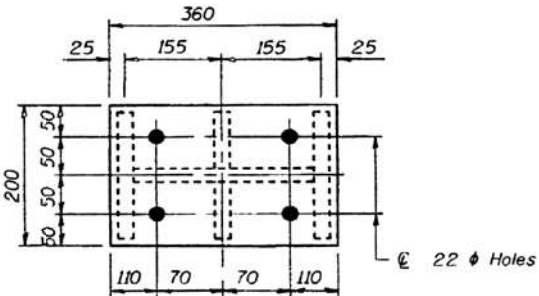
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER REACTIONS

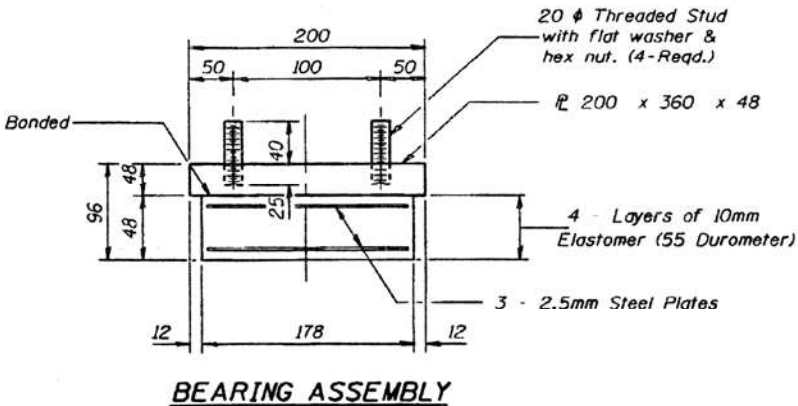
R _D	(kN)	111
R _L	(kN)	124
Imp.	(kN)	33
R (Total)	(kN)	268



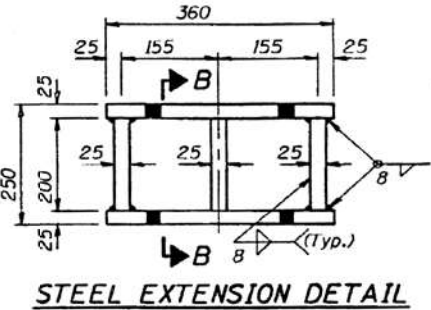
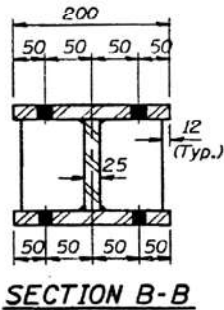
Notes: DIAPHRAGM REMOVAL AND REPLACEMENT MAY BE REQUIRED TO FACILITATE DRILLING HOLES. COST SHALL BE INCLUDED IN THE COST OF "FURNISHING AND ERECTING STRUCTURAL STEEL". NEW STEEL EXTENSIONS, SIDE RETAINERS, CONNECTION BOLTS, AND ANCHOR BOLTS ARE INCLUDED IN "FURNISHING AND ERECTING STRUCTURAL STEEL". SEE SHEET 19 FOR ANCHOR BOLT INSTALLATION. PRIOR TO ORDERING ANY MATERIAL, THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL BEARING HEIGHT AND SHIM THICKNESS DIMENSIONS. ALL DIMENSIONS ARE IN MILLIMETERS (MM) EXCEPT AS NOTED. MIN. JACK CAPACITY SHALL BE 267 kN (30 TONS)



TYPE I ELASTOMERIC EXP. BRG.



Note: Shim plates shall not be placed under Bearing Assembly.



BILL OF MATERIAL

ITEM	UNIT	TOTAL
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	12
JACK & REM EX BEARING	EACH	12
FURNISH & ERECT STRUCTURAL STEEL	KG	910

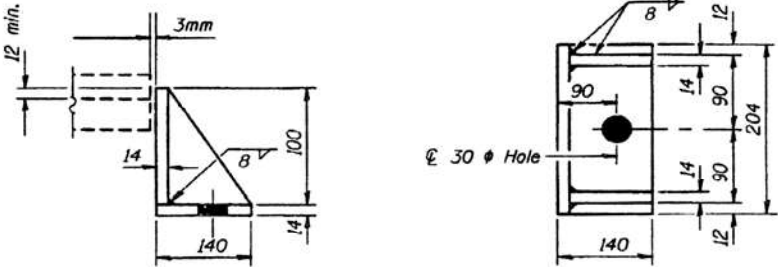
ELASTOMERIC BEARING TYPE 1
EAST ABUTMENT
FAI ROUTE 64
SECTION (41-8-1, 41-9)RS
JEFFERSON COUNTY
STRUCTURE NUMBER
041-0070 & 041-0071

ELASTOMERIC BEARING TYPE 1 DETAILS

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

TYI 11-10-97

EXAMINED	19
PASSED	



Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

design firm
no. 184001036

whks
engineers + planners + land surveyors

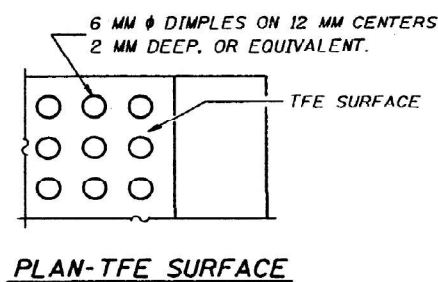
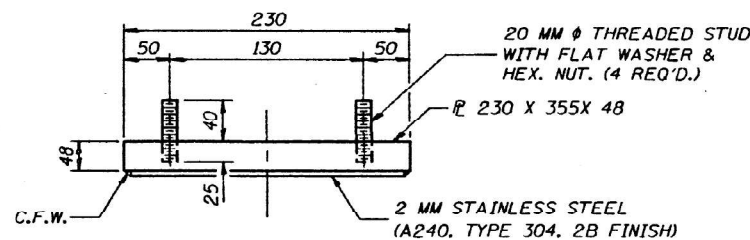
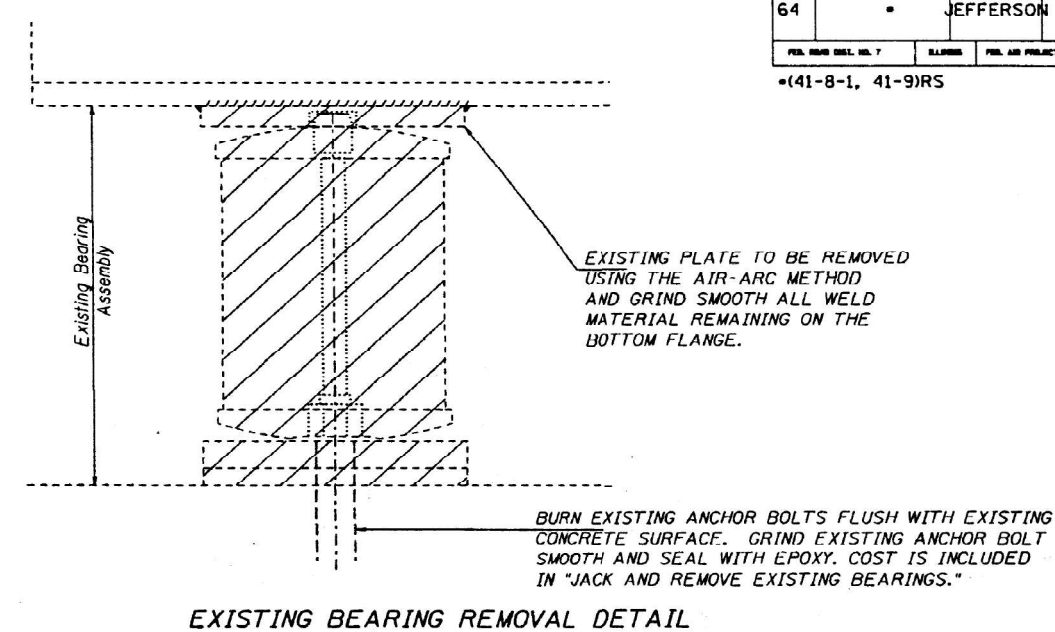
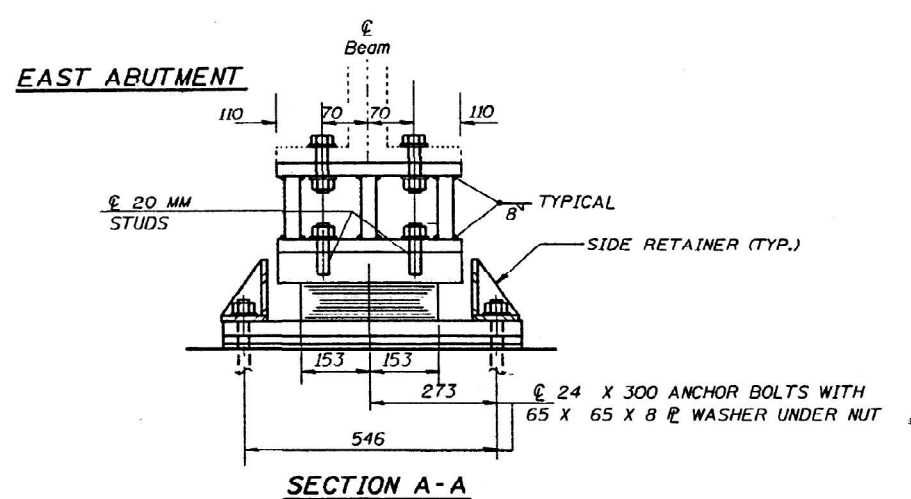
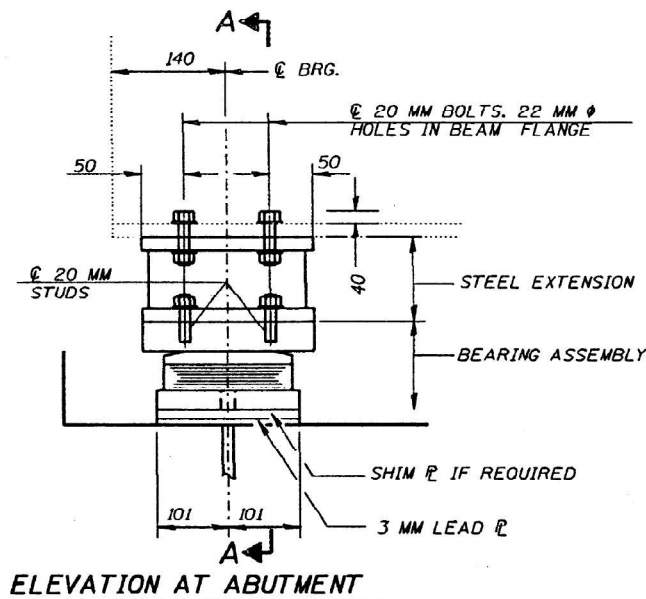
USER NAME	DESIGNED	FWS / JLM	REVISED	
	CHECKED	SBC	REVISED	
PLOT DATE	DRAWN	DLH / JLM	REVISED	
PLOT TIME	CHECKED	FWS / SBC	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

SHEET 17 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	115
				CONTRACT NO. 78B34
		ILLINOIS	FED. AID PROJECT	



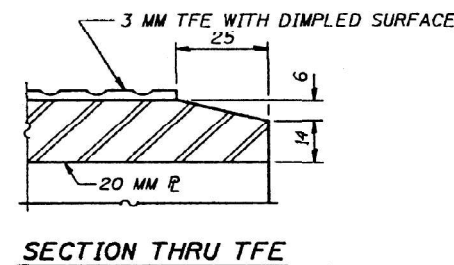
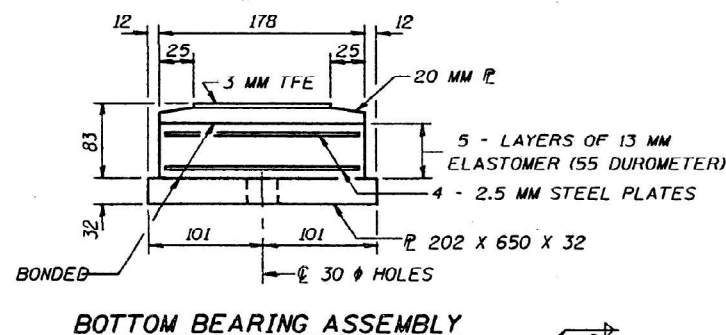
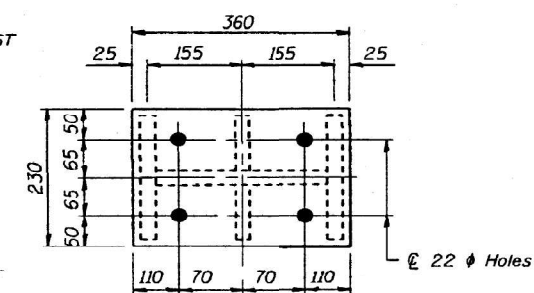
Notes: DIAPHRAGM REMOVAL AND REPLACEMENT MAY BE REQUIRED TO FACILITATE DRILLING HOLES. COST SHALL BE INCLUDED IN THE COST OF "FURNISHING AND ERECTING STRUCTURAL STEEL".

NEW STEEL EXTENSIONS, SIDE RETAINERS, CONNECTION BOLTS, ANCHOR BOLTS AND LEAD PLATES ARE INCLUDED IN "FURNISHING AND ERECTING STRUCTURAL STEEL".

ALL DIMENSIONS ARE IN MILLIMETERS (MM) EXCEPT AS NOTED.

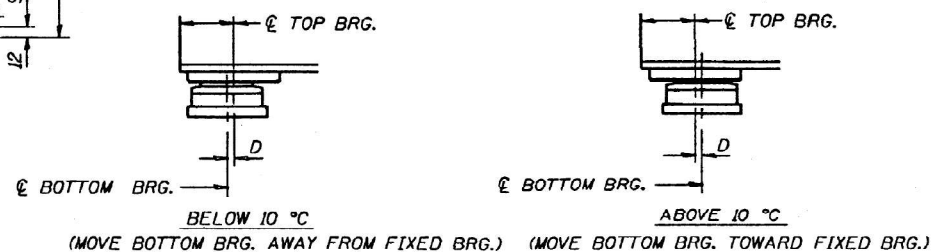
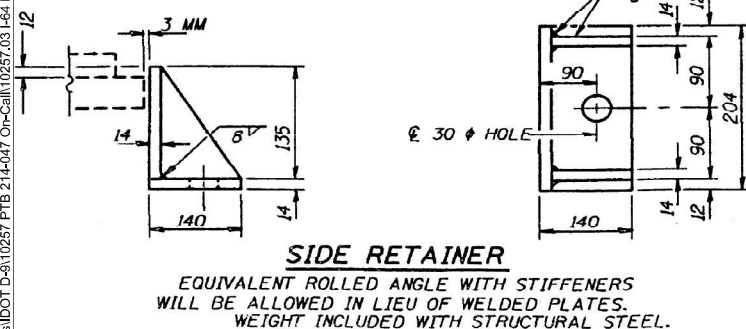
PRIOR TO ORDERING ANY MATERIAL, THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL BEARING HEIGHT, STEEL EXTENSION AND SHIM PLATE DIMENSIONS.

MIN. JACK CAPACITY 267 kN - (30 TONS)



NOTE: THE 3 MM TFE SHEET SHALL BE BONDED DIRECTLY TO THE TOP STEEL PLATE WITH A TWO-COMPONENT, MEDIUM VISCOSITY EPOXY RESIN, CONFORMING TO THE REQUIREMENTS OF THE FEDERAL SPECIFICATION MMM-A-134, TYPE I. THE BOND AGENT SHALL BE APPLIED ON THE FULL AREA OF THE CONTACT SURFACES.

BONDING OF 3 MM TFE SHEET DURING VULCANIZING PROCESS WILL BE PERMITTED PROVIDED THE PROCESS AND METHOD OF ADJUSTING ASSEMBLY HEIGHT IS APPROVED BY THE ENGINEER.



GIRDER REACTIONS		
R @	kN	111
R @	kN	124
IMPACT	kN	33
R (TOTAL)	kN	268

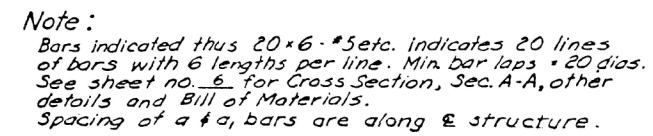
BILL OF MATERIAL		
ITEM	UNIT	TOTAL
ELASTOMERIC BEARING ASSEMBLY TYPE II	EACH	12
JACK & REM EX BEARING	EACH	12
FURNISH & ERECT STRUCTURAL STEEL	KG	870

ELASTOMERIC BEARING TYPE 2
WEST ABUTMENT
FAI ROUTE 64
SECTION (41-8-1, 41-9)RS
JEFFERSON COUNTY
STRUCTURE NUMBER
041-0070 & 041-0071

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	117
		CONTRACT NO. 78B34		
ILLINOIS		FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PA 164	478B	JEFFERSON	27	8
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT.		

SHEET NO. 4
19 SHEETS



PLAN

DEC. 13 1967

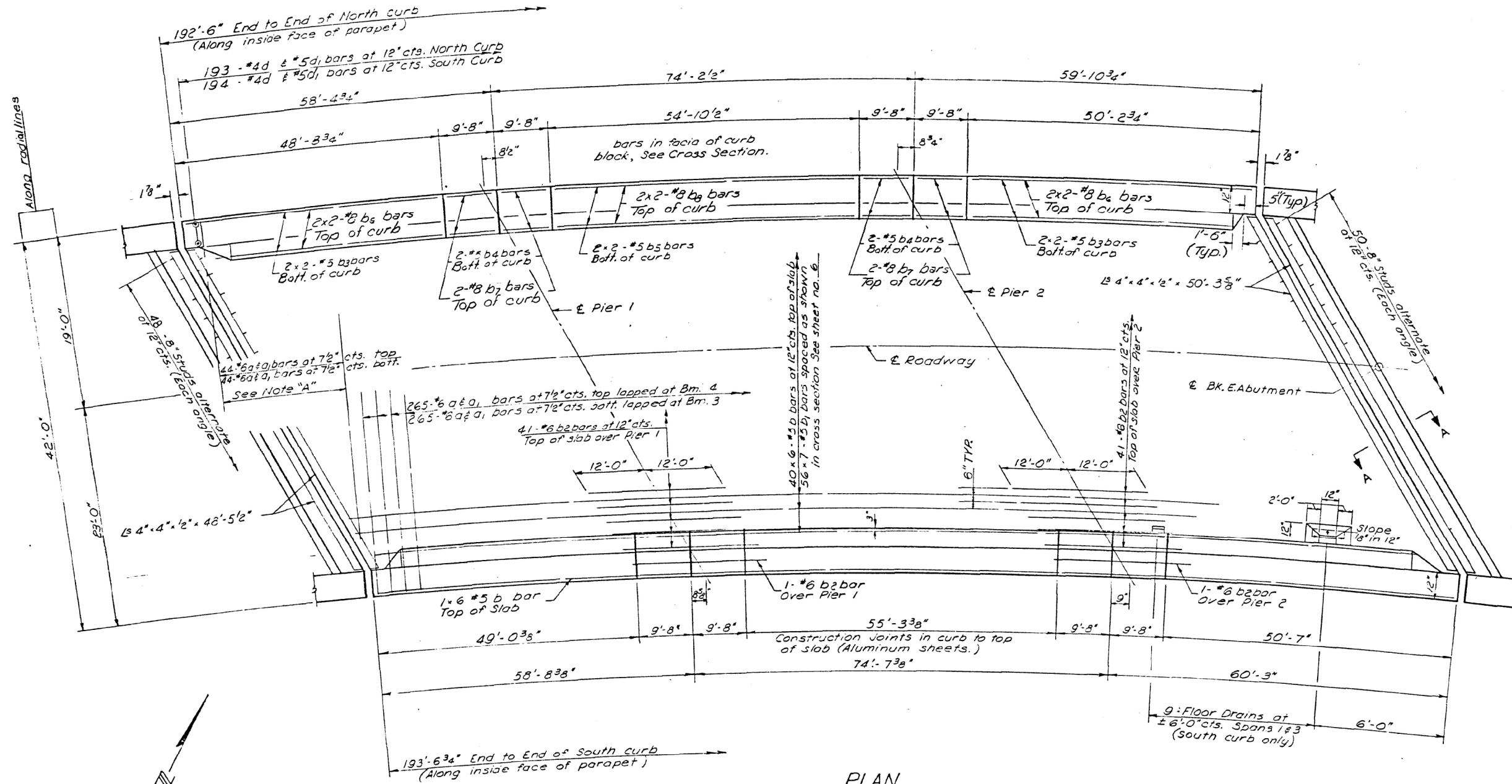
EXAMINED

PASSED

APPROVED

ENGINEER OF DESIGN

SUPERSTRUCTURE PLAN
NORTH BRIDGE
F.A.I. RT. 64 SEC. 41-9VB-1
JEFFERSON COUNTY
STATION 2967+71.95



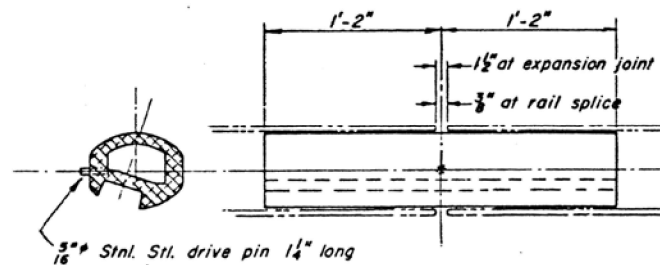
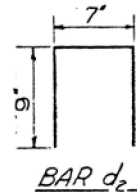
Note "A"
Order a #4 bars full length. Cut to fit skew & use remainder of bars in opposite end.

Note:
Bars indicated thus 20 x 6 - #5 etc. indicates 20 lines of bars with 6 lengths per line. Min. bar lps = 20 dias. See sheet no. 6 for Cross Section, Sec. A-A, other details and Bill of Materials. Spacing of #4 bars are along E structure.

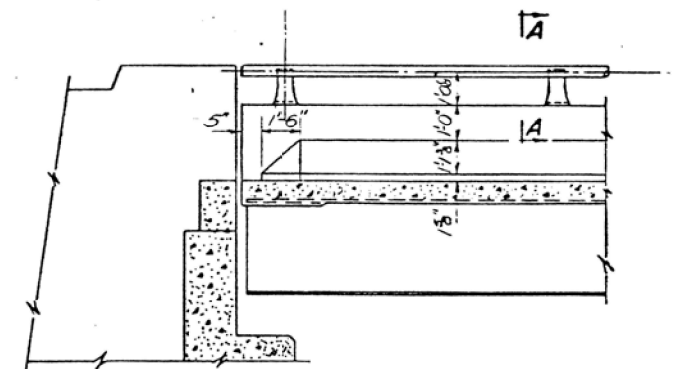
DESIGNED	J. R. Hauer
CHECKED	J. R. Hauer
DRAWN	J. R. Hauer
CHECKED	J. R. Hauer

EXAMINED	19 67
PASSED	
APPROVED	

SUPERSTRUCTURE PLAN
SOUTH BRIDGE
FA.1. RT. 64 SEC. 41-9VB-1
JEFFERSON COUNTY
STATION 2967 + 71.95



RAIL SPLICE



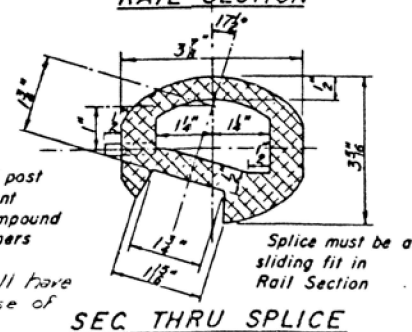
INSIDE VIEW AT ABUTMENT

Bar	No.	Size	Length	Shape
e	64	#5	9'-4"	=====
e1	48	#5	15'-9"	=====
e2	48	#5	16'-2"	=====
e3	48	#5	17'-8"	=====
d2	192	#4	2'-1"	□
Class X Concrete			Cu. Yds.	24.6
Reinforcement Bars			Lbs.	393.7
Aluminum Railing			Lin. Ft	766

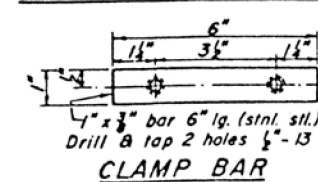
ALUMINUM RAILING
NORTH & SOUTH BRIDGES
EAT. RT 64 SEC. 41-9VB-1
JEFFERSON COUNTY
STATION 2967-7195

EXAMINED *[Signature]*
 PASSED
 APPROVED
 CHIEF PORTLAND ENGINEER

Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers -gun grade with primer.
Fabric Bearing Pad shall have same dimensions as base of post.

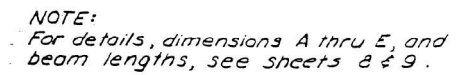


PARAPET JOINT DETAIL



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SH-101 F.A.I. 64	41-9VB-1	JEFFERSON	27	11
FED. ROAD DIST. NO. 7		SLURRIES	FED. AID PROJECT.	

SHEET NO.
19 SHEETS



5 Spaces at 7'-2 1/2" = 561'-0 1/2" Along radial line

Typical diaphragm spacing at North side of beam, except as noted.

Typical diaphragm spacing at South side of beam, except as noted.

FRAMING PLAN
(all beams are 36W 150)
SOUTH BRIDGE

FRAMING PLAN
(all beams are 36W150)
SOUTH BRIDGE

DEC. 19 1967
EXAMINED *[Signature]*
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF BRIDGE
APPROVED
CHIEF HIGHWAY ENGINEER

STRUCTURAL STEEL
NORTH & SOUTH BRIDGES
F.A.I. PT. 6 SEC. 41-9VB-1
JEFFERSON COUNTY
STATION 2967+71.95

BEAM LENGTHS

NORTH BRIDGE

	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6
Radius	3886.74'	3879.53'	3872.32'	3865.12'	3857.91'	3850.70'
A	72'-11 1/8"	72'-11 1/8"	73'-0 5/8"	73'-1 3/8"	73'-2 1/8"	73'-2 1/8"
B	41'-5 5/8"	41'-6 1/4"	41'-6 3/4"	41'-7 1/8"	41'-7 5/8"	41'-8 1/8"
C	74'-5 5/8"	74'-6"	74'-6 3/8"	74'-7 3/4"	74'-8 1/2"	74'-9 1/2"
TOTAL	188'-10 1/8"	189'-0 1/8"	189'-2 1/4"	189'-4 1/2"	189'-6 1/4"	189'-8 1/2"
D	15'-9 7/8"	15'-10"	15'-10 1/8"	15'-10 3/8"	15'-10 1/2"	15'-10 5/8"
E	15'-11 3/4"	16'-0"	16'-0 1/8"	16'-0 1/4"	16'-0 1/2"	16'-0 5/8"

SOUTH BRIDGE

	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6
Radius	3788.74'	3781.53'	3774.32'	3767.12'	3759.91'	3752.70'
A	73'-9 5/8"	73'-10 1/2"	73'-11 1/4"	74'-0 1/8"	74'-0 3/8"	74'-1 3/4"
B	42'-0 1/4"	42'-0 3/4"	42'-1 1/4"	42'-1 3/4"	42'-2 1/4"	42'-2 3/4"
C	75'-5 1/4"	75'-6 1/4"	75'-7 1/8"	75'-8"	75'-9 1/8"	75'-10 1/8"
TOTAL	191'-3 3/8"	191'-5 1/2"	191'-7 3/8"	191'-9 1/8"	192'-0 1/4"	192'-2 5/8"
D	16'-0 1/8"	16'-0 3/8"	16'-0 1/2"	16'-0 3/4"	16'-0 5/8"	16'-1 1/8"
E	16'-2 1/4"	16'-2 1/2"	16'-2 3/4"	16'-3"	16'-3 1/8"	16'-3 3/8"

ELEVATION TOP OF WF

(for fabrication only)

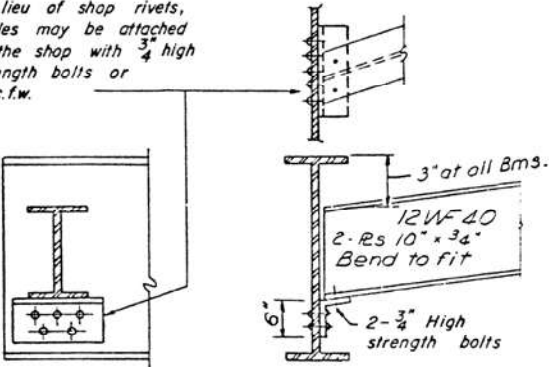
NORTH BRIDGE

beam location	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6
E Brg. W. Abut.	558.71	558.40	558.10	557.79	557.48	557.18
E Brg. P-1	558.59	558.28	557.97	557.66	557.35	557.03
E Splice 1	558.56	558.25	557.93	557.62	557.31	556.99
E Splice 2	558.46	558.15	557.83	557.51	557.20	556.88
E Brg. P-2	558.42	558.11	557.78	557.48	557.15	556.83
E Brg. E. Abut.	558.27	557.95	557.62	557.30	556.97	556.65

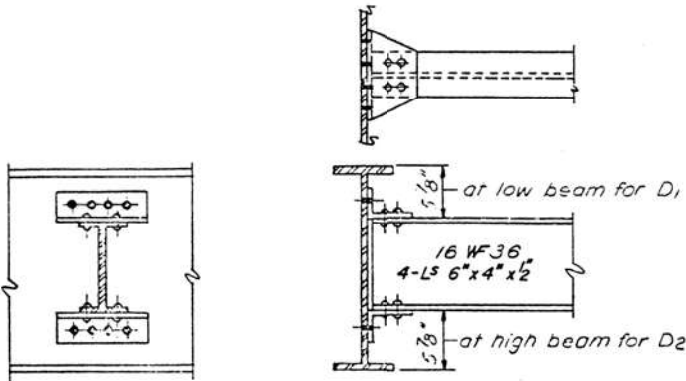
SOUTH BRIDGE

beam location	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6
E Brg. W. Abut.	558.46	558.15	557.84	557.52	557.21	556.90
E Brg. P-1	558.26	557.95	557.63	557.31	556.99	556.67
E Splice 1	558.21	557.89	557.57	557.25	556.93	556.61
E Splice 2	558.06	557.73	557.41	557.08	556.76	556.43
E Brg. P-2	557.99	557.66	557.34	557.01	556.69	556.35
E Brg. E. Abut.	557.75	557.42	557.09	556.75	556.42	556.08

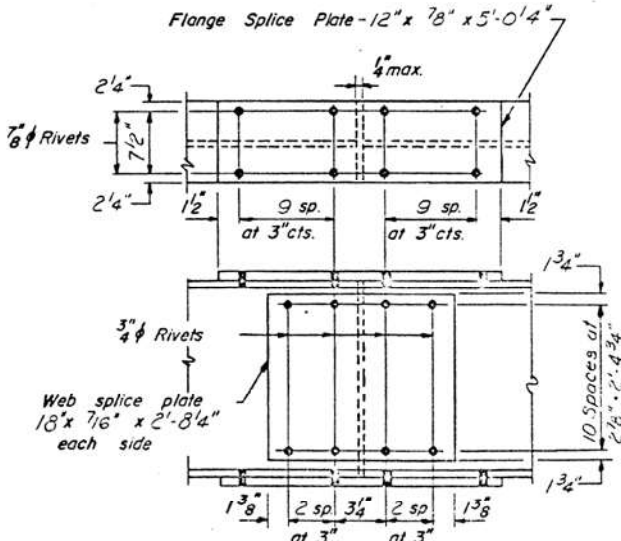
In lieu of shop rivets,
angles may be attached
in the shop with 3/4" high
strength bolts or
4 c.f.w.



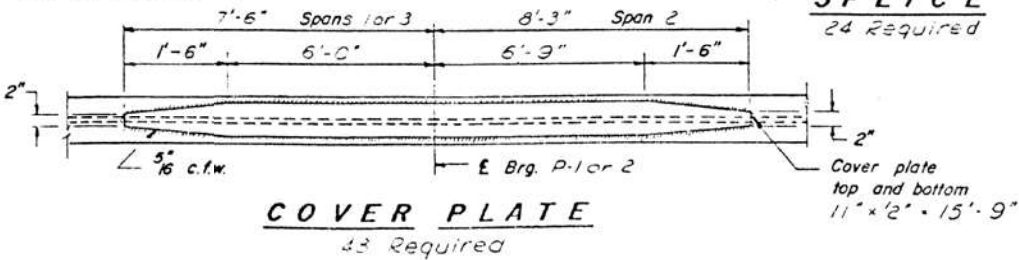
DIAPHRAGM D
20 Required



DIAPHRAGM D1 & D2
100 D1 Required
20 D2 Required



SPlice
24 Required



COVER PLATE
43 Required

D Diaphragm Lengths

Between Beams	North Bridge	South Bridge
	E. Abut. W. Abut.	E. Abut. W. Abut.
1 & 2	8'-10 3/8"	8'-6 1/8"
2 & 3	8'-10 1/2"	8'-6 3/8"
3 & 4	8'-10 1/2"	8'-7"
4 & 5	8'-10 3/8"	8'-7"
5 & 6	8'-10 3/4"	8'-7 3/8"

DESIGNED J. R. Hoyer
CHECKED J. R. Hoyer
DRAWN J. Schneller, J. R. Hoyer
CHECKED J. R. Hoyer

EXAMINED J. R. Hoyer
PASSED J. R. Hoyer
APPROVED J. R. Hoyer

I-2-CD 9-1-65

whks
engineers + planners + land surveyors

USER NAME	DESIGNED	FWS / JLM	REVISED
	CHECKED	SBC	REVISED
PLOT DATE	DRAWN	DLH / JLM	REVISED
PLOT TIME	CHECKED	FWS / SBC	REVISED

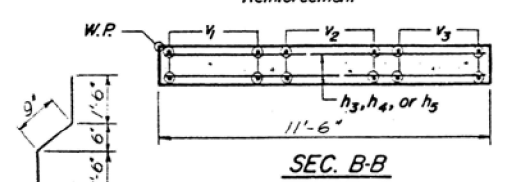
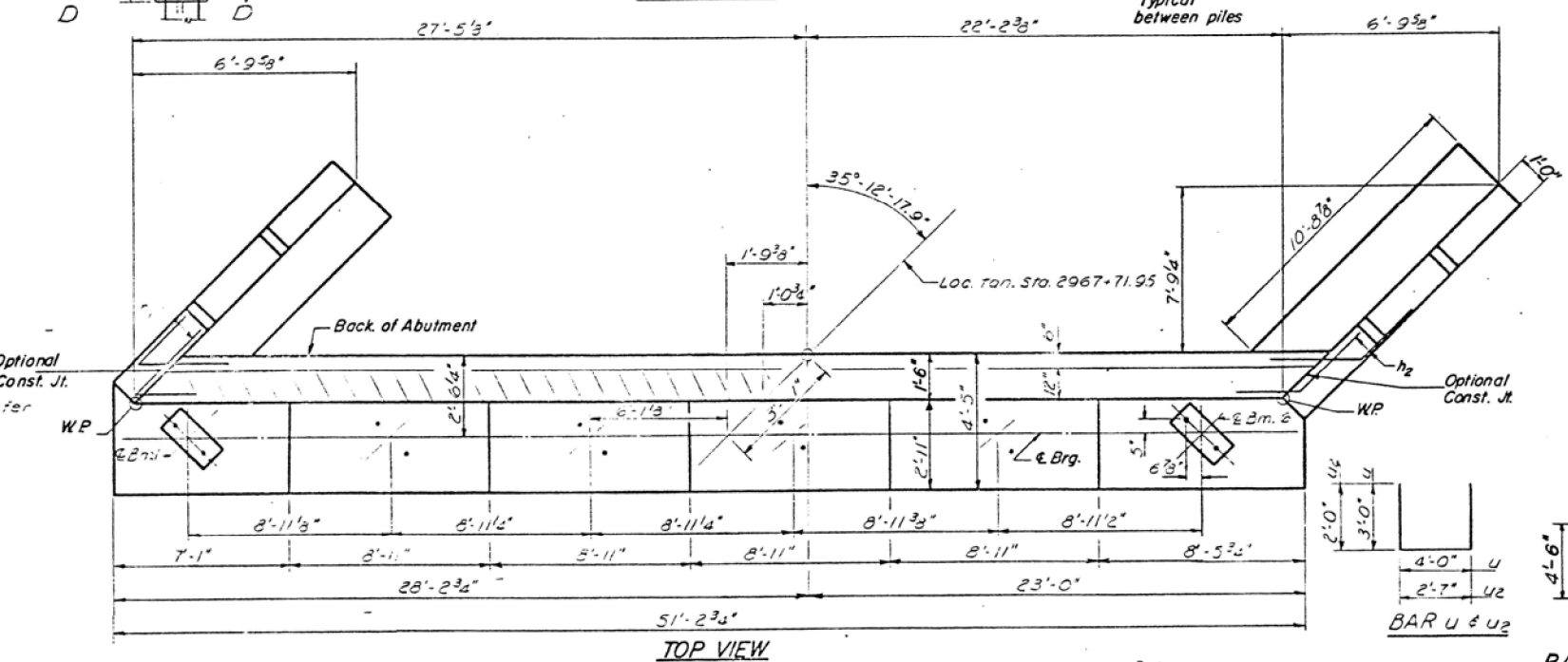
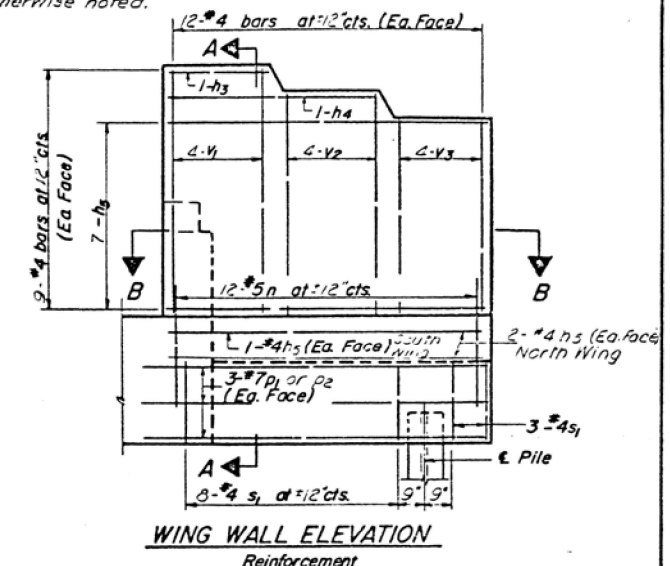
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0070 (EB) & 041-0071 (WB)

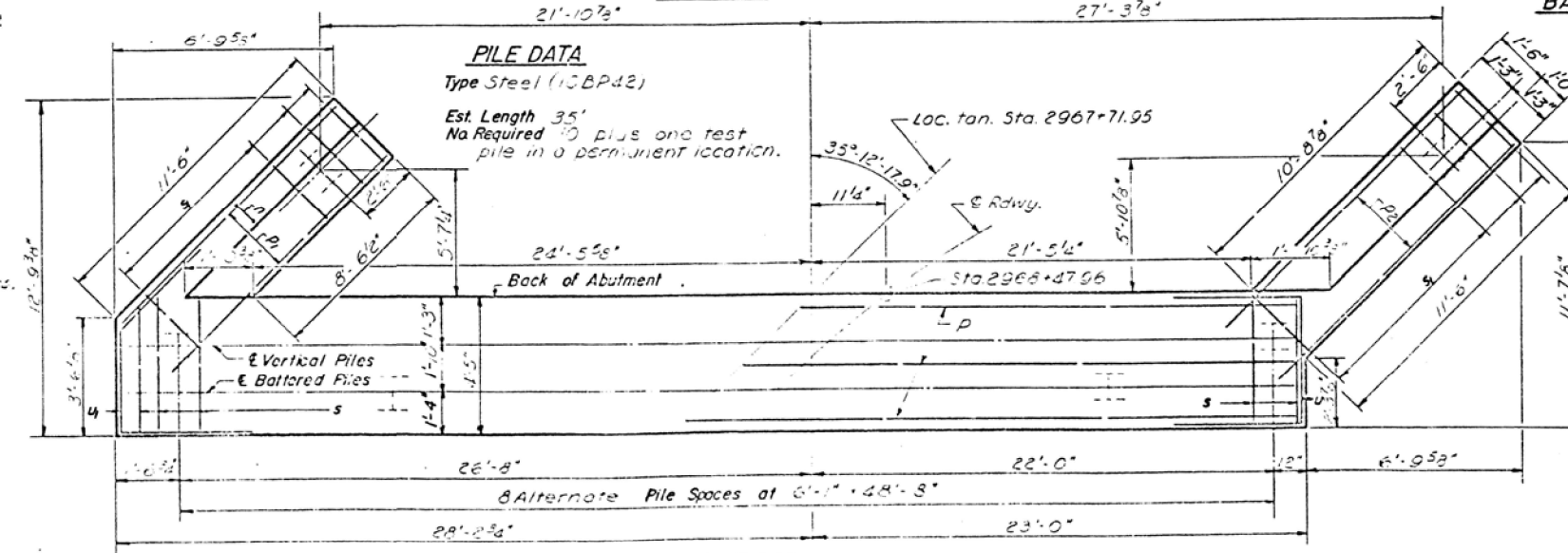
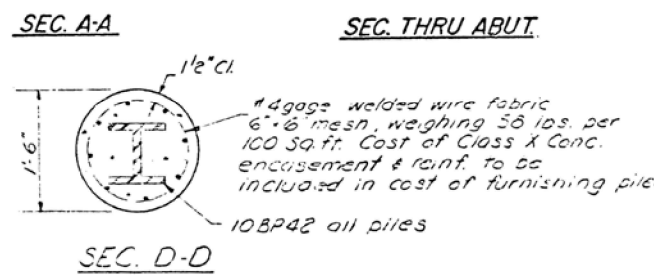
SHEET 25 OF 42 SHEETS

STRUCTURAL STEEL DETAILS
NORTH & SOUTH BRIDGES
FA RT 64 SEC 41-20B-1
JEFFERSON COUNTY
STATION 2267+71.25

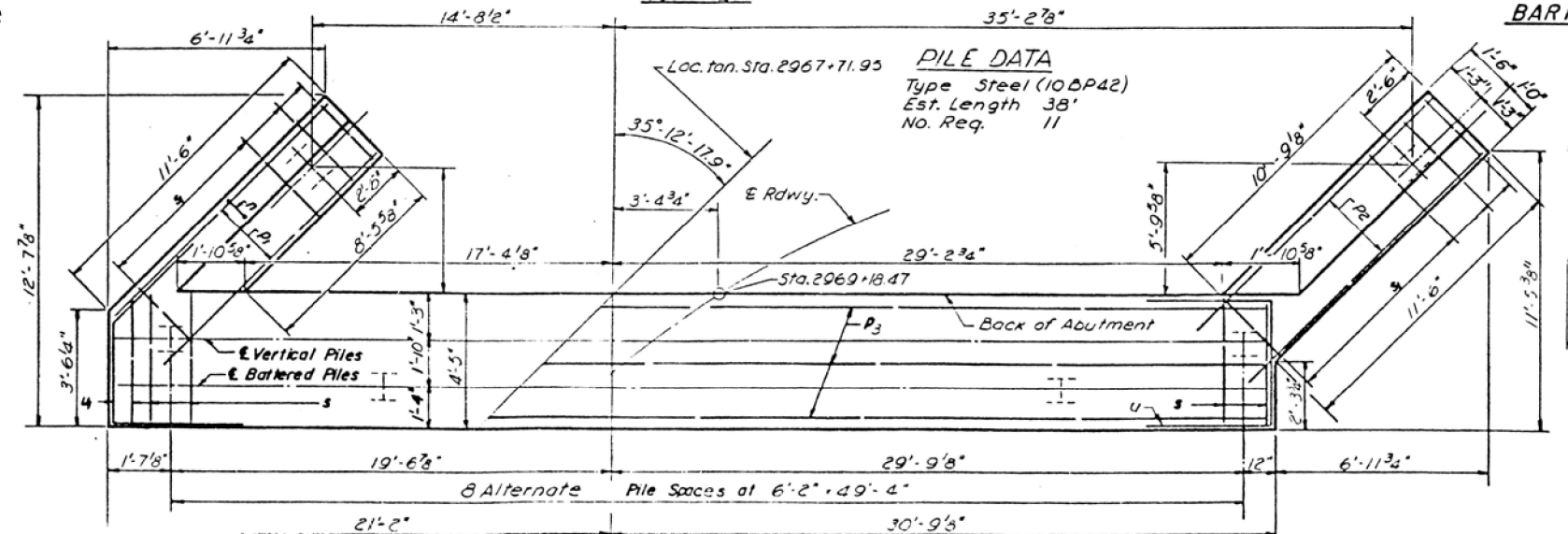
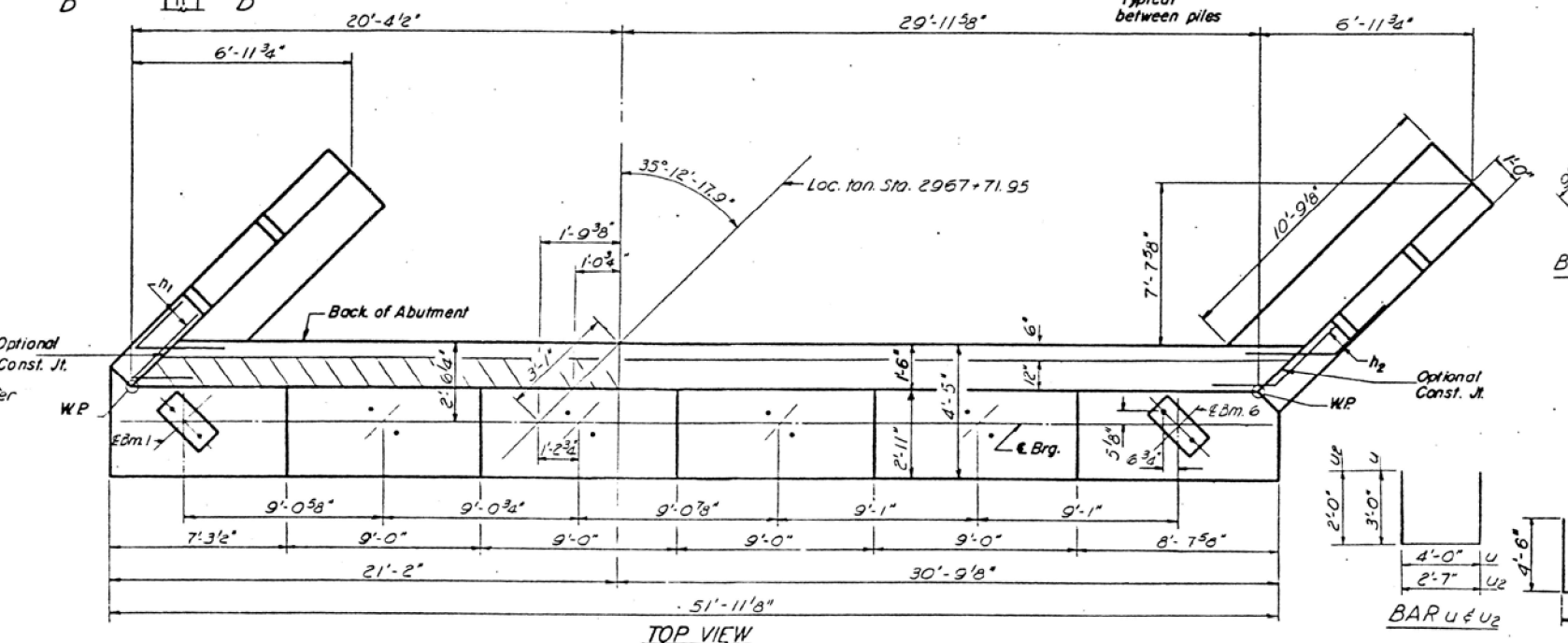
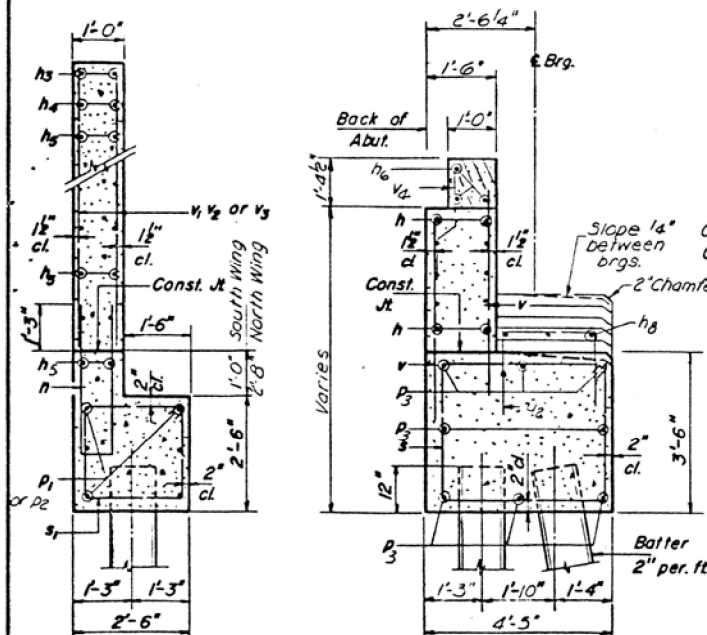
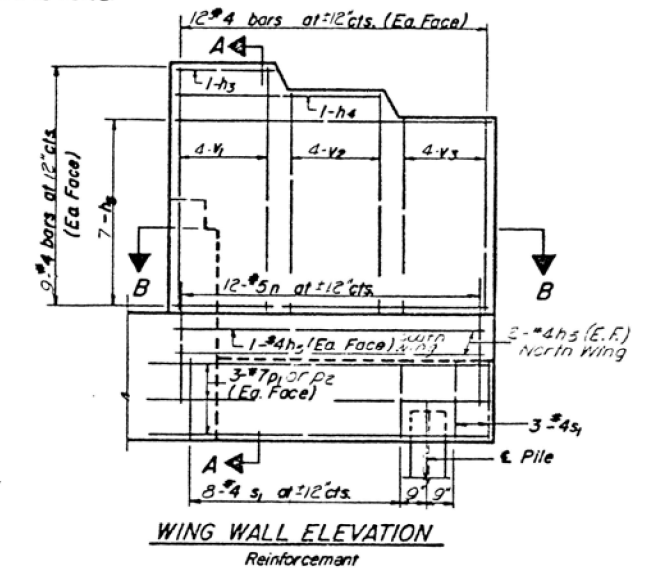
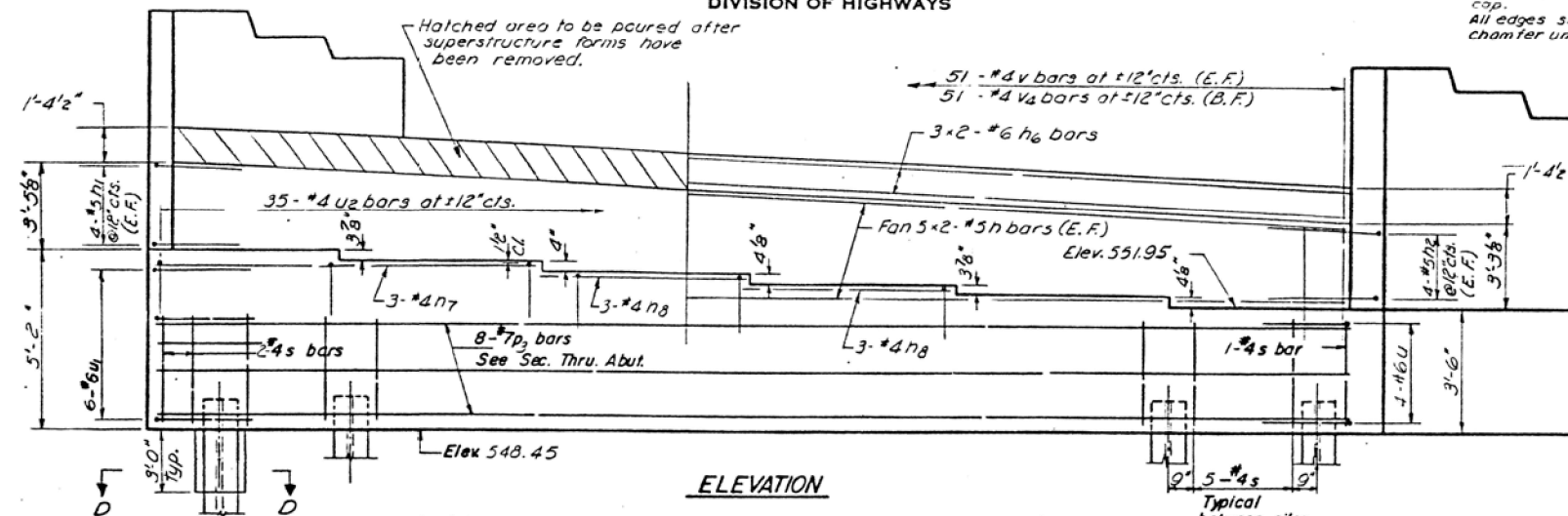
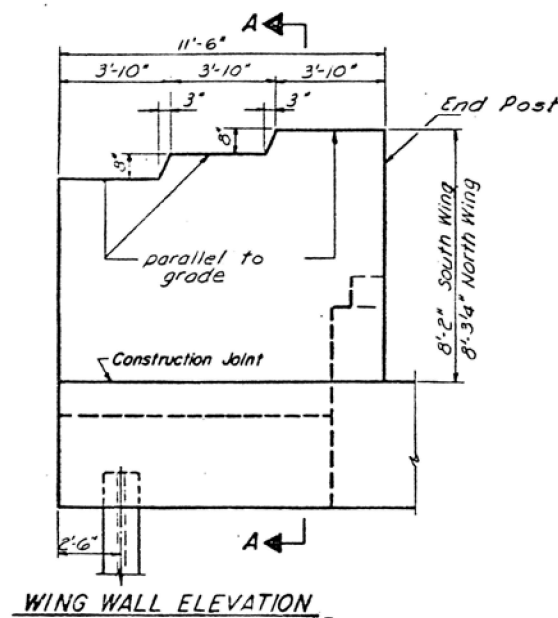
FAI R.T.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	123
CONTRACT NO. 78B34				



ONE ABUTMENT				
BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
n	20	#5	25'-6"	—
n ₁	8	#5	5'-0"	⌒
n ₂	8	#5	5'-0"	⌒
n ₃	4	#4	3'-7"	—
n ₄	4	#4	7'-5"	—
n ₅	34	#4	1'-3"	—
n ₆	6	#6	25'-9"	—
n ₇	3	#4	15'-9"	—
n ₈	6	#4	9'-0"	—
n	24	#5	9'-9"	U
p	3	#7	30'-9"	—
p ₁	5	#7	3'-1"	—
p ₂	6	#7	12'-6"	—
s	43	#4	15'-4"	□
s ₁	22	#4	9'-6"	□
u	4	#8	10'-0"	C
u ₁	6	#8	9'-1"	⌒
u ₂	34	#4	6'-7"	□
v	102	#4	6'-0"	—
v ₁	16	#4	6'-0"	—
v ₂	16	#4	7'-4"	—
v ₃	13	#4	6'-5"	—
v ₄	51	#4	3'-9"	—
Class X Concrete			Cu. Yds.	57.4
Reinforcement Bars			Lbs.	4,700
Form Piles			Lin. Ft.	370
Total = 1000				
Est. Price \$100.00				



DESIGNED	JRH452	DATE	DEC. 13 1967
CHECKED	<i>Handwritten signature</i>	EXAMINED	<i>Handwritten signature</i>
DRAWN	RFerrando	DESIGNED BY	THE LOWE STRUCTURAL
CHECKED	<i>Handwritten signature</i>	PASSED	
		DESIGNED BY REGION	
		APPROVED	
		CHIEF DESIGN ENGINEER	



Bar	No.	Size	Length	Shape
h	20	#5	25'-6"	—
h ₁	8	#5	5'-0"	∠
h ₂	8	#5	5'-0"	∠
h ₃	4	#4	3'-7"	—
h ₄	4	#4	7'-3"	—
h ₅	34	#4	11'-3"	—
h ₆	6	#3	25'-9"	—
h ₇	3	#4	15'-3"	—
h ₈	6	#4	9'-0"	—
n	24	#5	9'-3"	U
p ₁	6	#7	11'-3"	—
p ₂	6	#7	12'-6"	—
p ₃	8	#7	5'-1'-3"	—
s	42	#4	15'-4"	□
s ₁	22	#4	3'-6"	□
u	4	#6	10'-0"	C
u ₁	6	#6	9'-1"	∠
u ₂	35	#4	6'-7"	∠
v	102	#4	6'-0"	—
v ₁	16	#4	3'-0"	—
v ₂	16	#4	7'-4"	—
v ₃	15	#4	3'-3"	—
v ₄	51	#4	3'-9"	—
Class X Concrete			Cu. Yds.	58.3
Reinforcement Bars			Lbs.	4220
Steel Piles (202-32)			Lin. Ft.	418

See sheet #2 for Conduit Location

EAST ABUTMENT
SOUTH BRIDGE
FA.I.R.T. 64 SEC. 41:9VB-1
JEFFERSON COUNTY
STATION 2967+71.95

NOTE:
See sheet 11 for Sec. D-D.

DESIGNED	U. R. HAYER
CHECKED	<i>George McCormick</i>
DRAWN	<i>R. Ferrando</i> U. R. HAYER

DEC. 19 1967

EXAMINED *[Signature]*

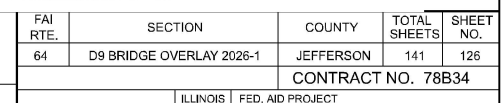
PASSED

APPROVED

DEPARTMENT OF DEFENSE

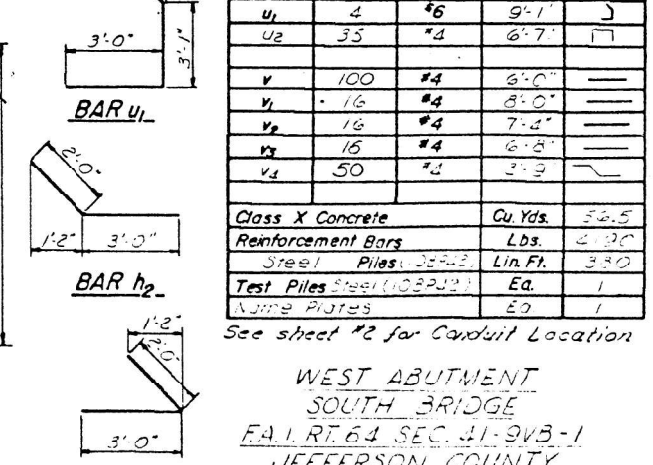
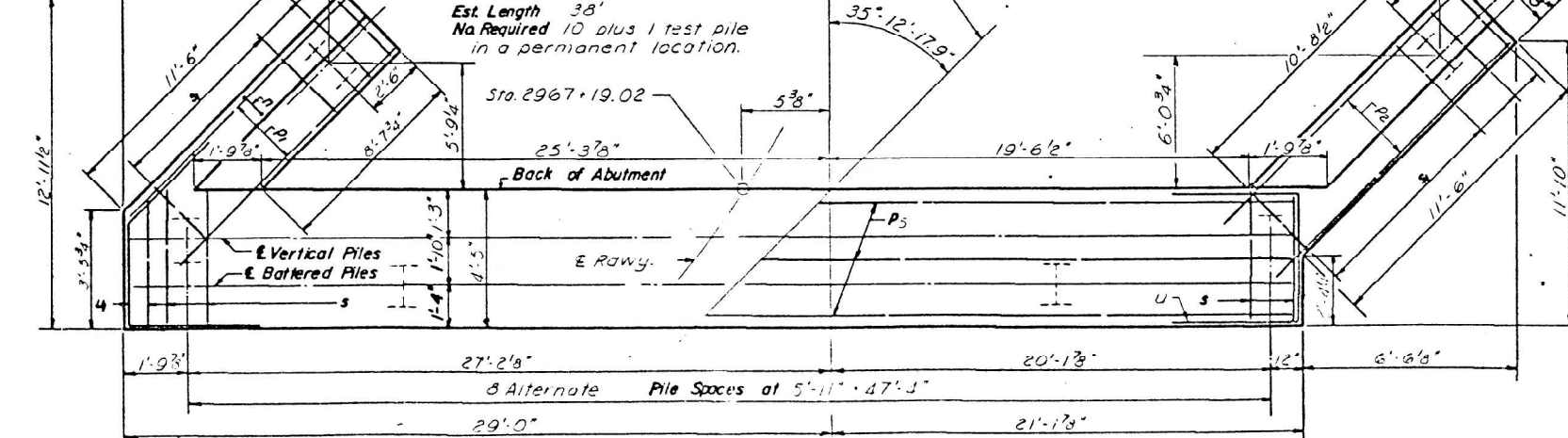
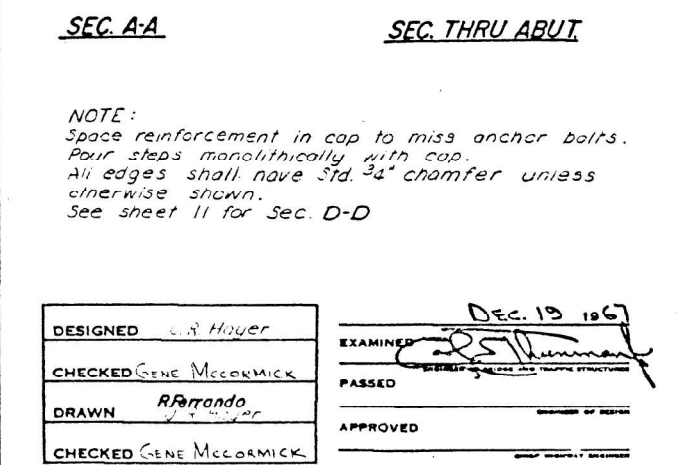
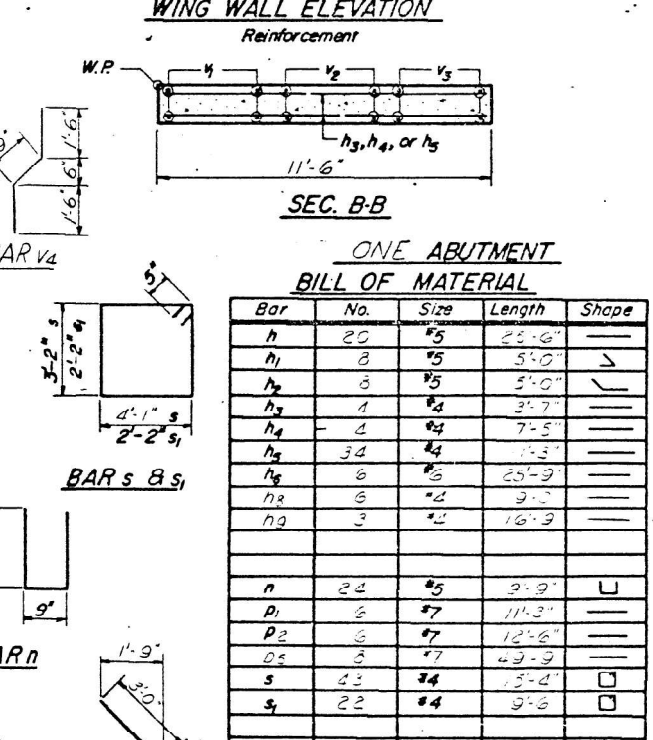
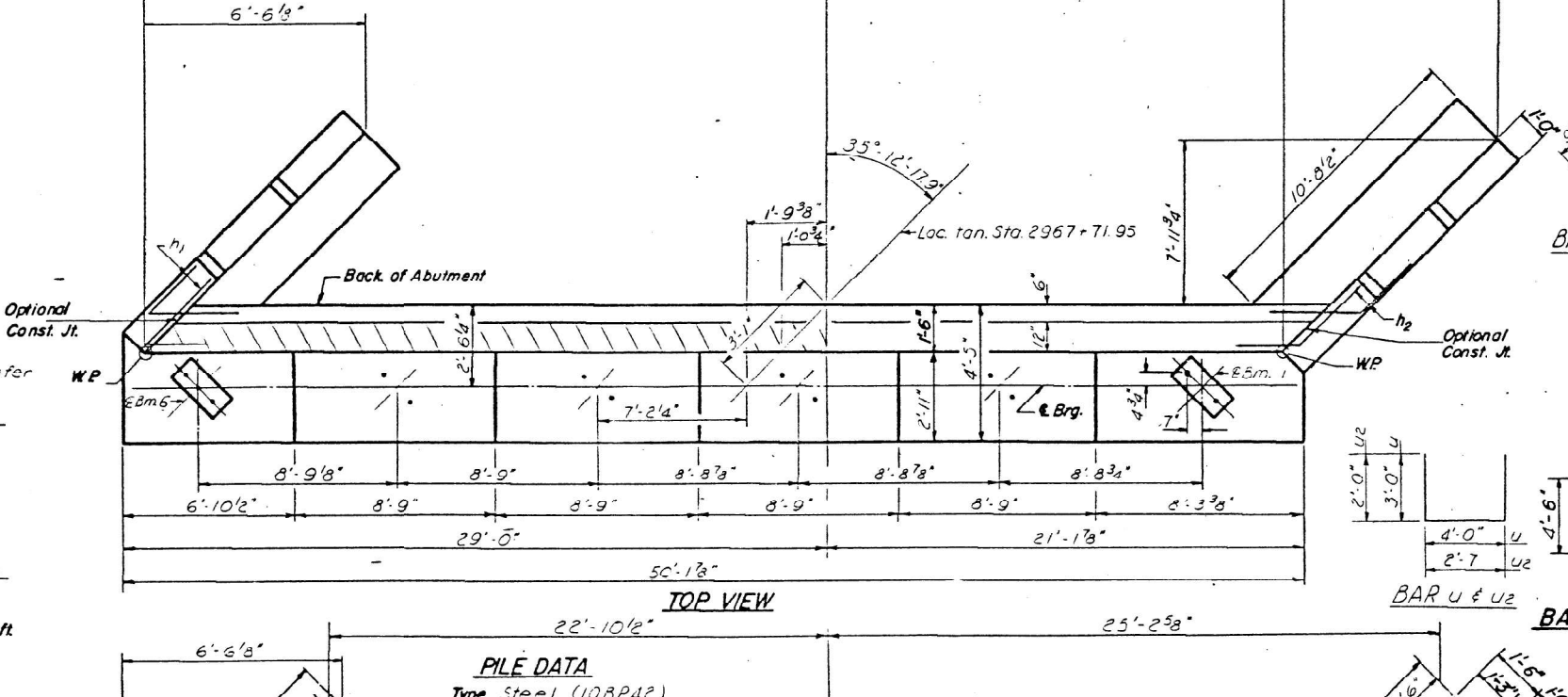
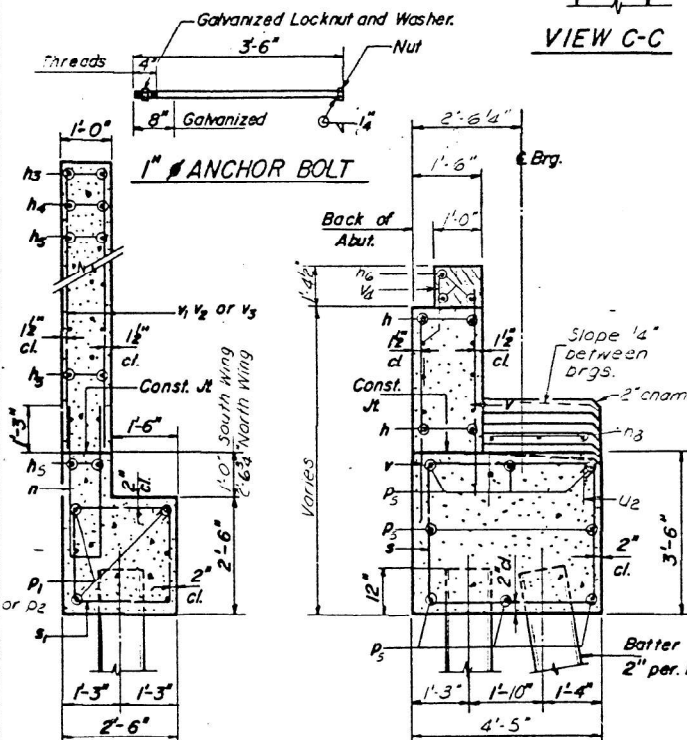
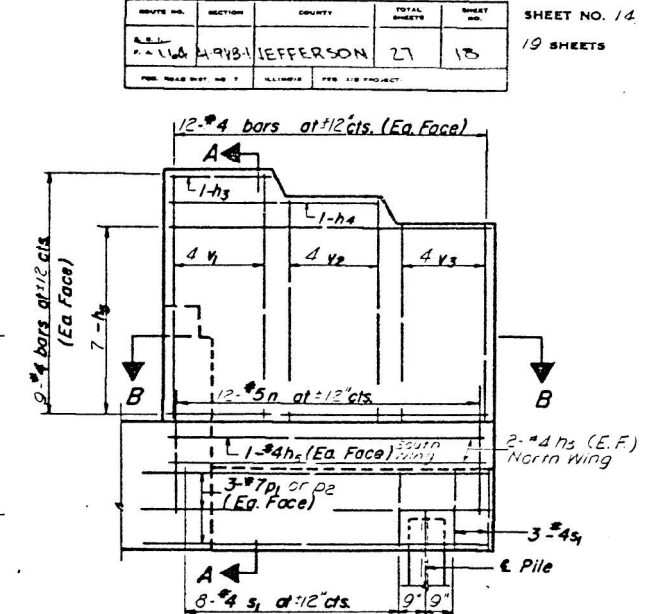
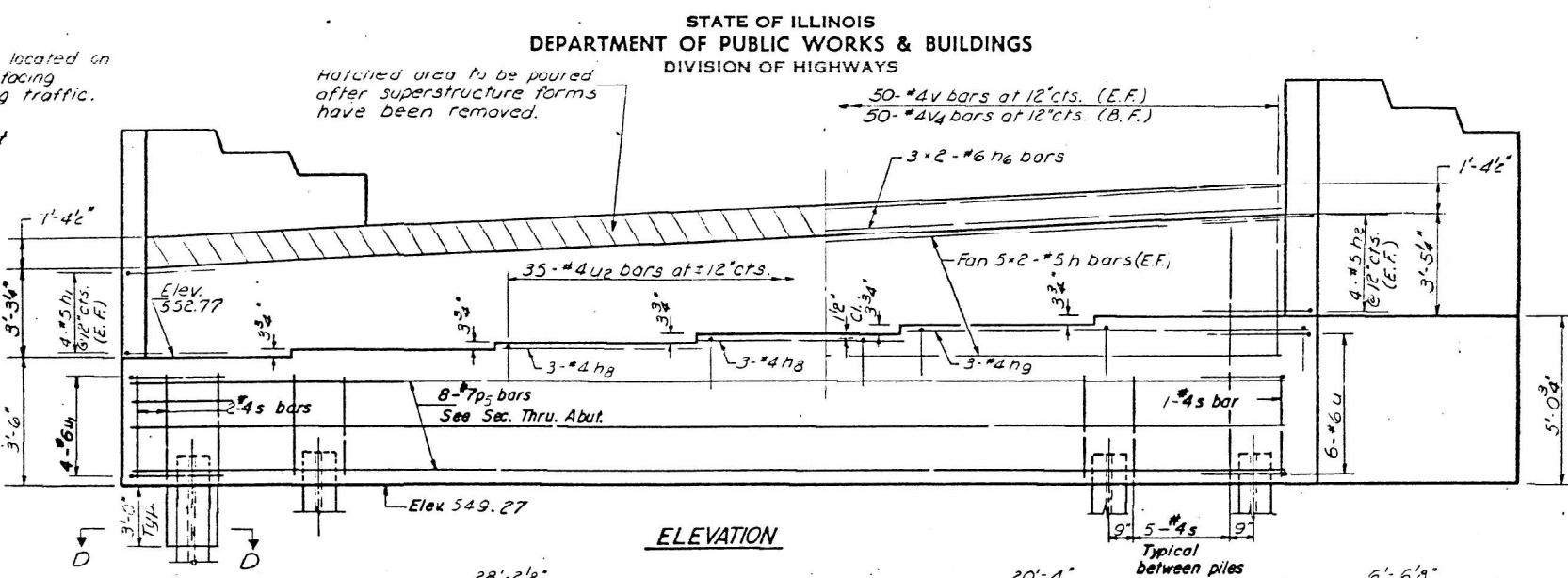
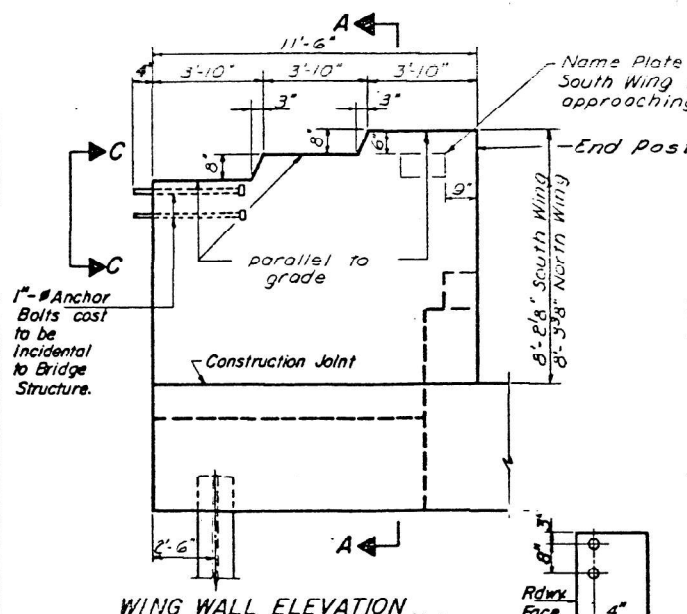
PILE DATA
Type Steel (10BP42)
Est. Length 38'
No. Req. 11

WEST ABUTMENT
NORTH BRIDGE
F.A.I. RT. 64 SEC 41-91B
JEFFERSON COUNTY
STATION 2067-1135



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-16	498A	JEFFERSON	27	18
SHEET NO. 18 19 SHEETS				



ONE ABUTMENT BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
h	20	#5	2'-6"	—
h ₁	8	#5	5'-0"	—
h ₂	8	#5	5'-0"	—
h ₃	4	#4	3'-7"	—
h ₄	4	#4	7'-5"	—
h ₅	34	#4	1'-3"	—
h ₆	8	#5	25'-9"	—
h ₇	6	#4	9'-0"	—
h ₈	3	#4	16'-3"	—
n	24	#5	2'-9"	U
p ₁	6	#7	11'-3"	—
p ₂	6	#7	12'-6"	—
p ₃	3	#7	43'-9"	—
s	43	#4	1'-4"	—
s ₁	22	#4	9'-6"	—
u	6	#6	10'-0"	—
u ₁	4	#6	9'-1"	—
u ₂	35	#4	6'-7"	—
v	100	#4	6'-0"	—
v ₁	16	#4	8'-0"	—
v ₂	16	#4	7'-4"	—
v ₃	16	#4	6'-8"	—
v ₄	50	#4	3'-3"	—
Class X Concrete			Cu. Yds.	56.5
Reinforcement Bars			Lbs.	4,120
Steel Piles (103P42)			Lin. Ft.	330
Test Piles (103P42)			Ea.	1
Name Plates			Ea.	1

See sheet #2 for Conduit Location

WEST ABUTMENT
SOUTH BRIDGE
FAI RT. 64 SEC. 41-9VB-1
JEFFERSON COUNTY
STATION 2967+71.95

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-9\10257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10.12\CADD Data\Bridge\04-10081-0082-D978B34.dgn

1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45
46 47 48 49 50 51 52 53 54
55 56 57 58 59 60 61 62 63

MMO 12/17/98
\\94678d\000298pcg.dgn
MMO REV: 09-01-98

IND

MMO 12/17/98

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 1997; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 1999 AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON FIFTEEN STRUCTURES CARRYING F.A.I. ROUTE 64 OVER VARIOUS ROADWAYS AND WATERWAYS IN JEFFERSON COUNTY.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF BITUMINOUS SHOULDER REMOVAL, CONSTRUCTION OF PCC BASE COURSE WIDENING, REMOVAL OF THE EXISTING BITUMINOUS WEARING SURFACE AND WATERPROOFING MEMBRANE SYSTEM, PARTIAL AND FULL DEPTH PATCHING OF THE DECKS, THE REMOVAL AND REPLACEMENT OF THE EXPANSION JOINTS ON EIGHT OF THE STRUCTURES, THE REMOVAL AND REPLACEMENT OF THE BEARING ASSEMBLIES ON SIX OF THE STRUCTURES, CONSTRUCTION OF A MICROSILICA CONCRETE OVERLAY ON ALL OF THE STRUCTURES AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

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

THE QUANTITIES OF EPOXY PAVEMENT MARKING - LINE 100 MM WERE COMPUTED TO THE FOLLOWING LIMITS. WHITE EDGELINE COMPUTED FROM THE BEGINNING STATION ON THE APPROACH END TO THE ENDING STATION ON THE DEPARTURE END OF THE BASE COURSE WIDENING FOR STAGE I. YELLOW EDGELINE COMPUTED FROM THE BEGINNING STATION ON THE APPROACH END TO THE ENDING STATION ON THE DEPARTURE END OF THE BASE COURSE WIDENING FOR STAGE II. WHITE SKIP CENTERLINE COMPUTED FOR THE LENGTH OF THE BRIDGE. THESE COMPUTATIONS RESULTED IN THE FOLLOWING QUANTITIES:

5296	METERS (YELLOW)
5467	METERS (WHITE)
10763	METERS (TOTAL)

THE QUANTITY OF TEMPORARY PAVEMENT MARKING - LINE 100MM WAS COMPUTED TO ALLOW FOR THE PLACEMENT OF TWO EDGELINES AND A CENTERLINE ON THE WIDENING DURING THE DECK REPAIR OPERATIONS AND TWO EDGELINES AND A CENTERLINE ON THE PAVEMENT AFTER THE COMPLETION OF THE REPAIR WORK AND PRIOR TO THE PLACEMENT OF THE PERMANENT PAVEMENT MARKINGS.

THE LOCATIONS OF THE EXISTING DECK DRAINS TO BE PLUGGED ARE APPROXIMATE. THESE LOCATIONS WERE DERIVED FROM THE ORIGINAL BRIDGE PLANS. ANY DRAINS THAT ARE LOCATED WITHIN THREE METERS OF A SUBSTRUCTURE ELEMENT ARE TO BE PLUGGED.

FOLLOWING THE REMOVAL OF THE BITUMINOUS SURFACE AND WATERPROOFING, THE BRIDGE DECK SHALL BE SCARIFIED TO A DEPTH OF 20MM. THE BRIDGE DECK MICROSILICA CONCRETE OVERLAY SHALL BE CONSTRUCTED AT A DEPTH OF 60MM.

BASE COURSE WIDENING CONSTRUCTED FOR THIS PROJECT WILL REMAIN IN PLACE. THE WIDENING SHALL BE CONSTRUCTED AS PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 200MM. THE REMOVAL OF THE EXISTING BITUMINOUS SHOULDER SHALL BE PAID FOR SEPARATELY AS BITUMINOUS SHOULDER REMOVAL. ALL OTHER EXCAVATION AND DISPOSAL OF MATERIAL WILL BE INCLUDED IN THE BID PRICE FOR BASE COURSE WIDENING.

THE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 200MM SHALL BE REINFORCED WITH WELDED WIRE FABRIC, 152 X 152 - MW25.8 X MW25.8, WITH A MASS OF 2.91 KG/SQ. METER. THIS WELDED WIRE FABRIC WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PCC BASE COURSE WIDENING.

BITUMINOUS SHOULDER REMOVAL SHALL CONSIST OF REMOVAL OF THE BITUMINOUS SHOULDER TO A MINIMUM DEPTH OF 200MM TO OBTAIN THE REQUIRED THICKNESS FOR THE PCC BASE COURSE WIDENING.

ALL PLAN DIMENSIONS ARE MEASURED IN MILLIMETERS UNLESS OTHERWISE NOTED.

EXISTING REINFORCEMENT BARS SHALL BE CLEANED AND USED FOR NEW CONSTRUCTION. ALL NEW REINFORCEMENT BARS SHALL BE EPOXY COATED WITH EPOXY COATED BAR SPLICERS FOR STAGE CONSTRUCTION.

EXISTING STRUCTURAL STEEL SHALL ONLY BE CLEANED AND PAINTED AS REQUIRED BY THE SPECIAL PROVISION "CLEANING AND PAINTING ADJACENT AREAS OF EXISTING STEEL STRUCTURES".

ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL OPERATIONS SHALL BE REPAIRED OR REPLACED USING AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM (COST INCLUDED IN CONCRETE REMOVAL).

ALL NEW STRUCTURAL STEEL SHALL CONFORM TO AASHTO CLASSIFICATION M-270 GRADE 250. THE TOTAL ESTIMATED QUANTITY OF FURNISH AND ERECT STRUCTURAL STEEL REQUIRED FOR THIS PROJECT IS 17130 KG.

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31M, M-42M OR M-53M, GRADE 400.

THE INORGANIC ZINC RICH PRIMER/ACRYLIC/ACRYLIC PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE ACRYLIC FINISH COAT SHALL BE REDDISH BROWN, MUNSELL NO. 2.5 YR. 3/4. SEE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING NEW METAL STRUCTURES". EXPANSION JOINT PLATES AND ATTACHED BARS SHALL BE SHOP PAINTED WITH THE ZINC SILICATE PRIMER.

THE STATE OWNED TEMPORARY CONCRETE BARRIERS WHICH ARE TO BE USED IN THIS PROJECT ARE STORED AT THE IDOT MAINTENANCE YARD AT KNIGHTS PRAIRIE WHICH IS LOCATED APPROXIMATELY 11.3 KM WEST OF MCLEANSBORO ON ILLINOIS ROUTE 14 IN HAMILTON COUNTY. A MINIMUM OF 48 HOURS NOTICE WILL BE REQUIRED TO ARRANGE FOR PICK UP AND RETURN OF THE BARRIERS. STATE MAINTENANCE FORCES WILL NOT LOAD OR UNLOAD THE BARRIERS.

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES AND DECK DRAIN DETAILS
5-10	EXISTING STRUCTURE DETAILS
11	STAGE CONSTRUCTION DETAILS - LOCATION 1
12-13	EXPANSION JOINT DETAILS - LOCATION 1
14-15	BRIDGE DECK PATCHING SURVEY - LOCATION 1
16	STAGE CONSTRUCTION DETAILS - LOCATION 2
17	ELASTOMERIC BEARING DETAILS - LOCATION 2
18-21	BRIDGE DECK PATCHING SURVEY - LOCATION 2
22	STAGE CONSTRUCTION DETAILS - LOCATION 3
23-24	EXPANSION JOINT DETAILS - LOCATION 3
25-26	ELASTOMERIC BEARING DETAILS - LOCATION 3
27-28	BRIDGE DECK PATCHING SURVEY - LOCATION 3
29	STAGE CONSTRUCTION DETAILS - LOCATION 4
30	EXPANSION JOINT DETAILS - LOCATION 4
31	BRIDGE DECK PATCHING SURVEY - LOCATION 4
32	STAGE CONSTRUCTION DETAILS - LOCATION 5
33-34	EXPANSION JOINT DETAILS - LOCATION 5
35-36	BRIDGE DECK PATCHING SURVEY - LOCATION 5
37	STAGE CONSTRUCTION DETAILS - LOCATION 6
38	EXPANSION JOINT DETAILS - LOCATION 6
39-41	ELASTOMERIC BEARING DETAILS - LOCATION 6
42-45	BRIDGE DECK PATCHING SURVEY - LOCATION 6
46	STAGE CONSTRUCTION DETAILS - LOCATION 7
47-48	BRIDGE DECK PATCHING SURVEY - LOCATION 7
49-50	STAGE CONSTRUCTION DETAILS - LOCATION 8
51-52	BRIDGE DECK PATCHING SURVEY - LOCATION 8
53	NEOPRENE EXPANSION JOINT DETAILS
54	BAR SPLICER AND PREFORMED JOINT SEAL DETAILS
55	ANCHOR BOLT DETAILS FOR ELASTOMERIC BEARINGS
56	GUIDELINES FOR INTERSTATE PAVEMENT MARKINGS
57	REFLECTOR MARKER, TYPE B
58	REFLECTOR MOUNTING DETAIL

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 58:	
000001 -02	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701101	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 4.5M (15') AWAY, FOR SPEEDS >= 45 MPH
701106	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5M (15') AWAY, FOR SPEEDS >= 45 MPH
701201	LANE CLOSURE, 2L 2W, DAY ONLY, ON-ROAD TO 600MM (24") OFF-ROAD, FOR SPEEDS >= 45 MPH
701301	LANE CLOSURE, 2L 2W, SHORT TERM OPERATIONS, FOR SPEEDS >= 45 MPH
701401	LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH
701411 -01	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701426	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >= 45 MPH
701601 -02	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
702001	TRAFFIC CONTROL DEVICES
704001	TEMPORARY CONCRETE BARRIER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES & INDEX OF SHEETS DRAWN BY CHECKED BY
NAME	DATE	

DATE

USER NAME = jmontrey	DESIGNED - SBS	REVISED -
CHECKED - SMC	REVISED -	
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - SBS / SMC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

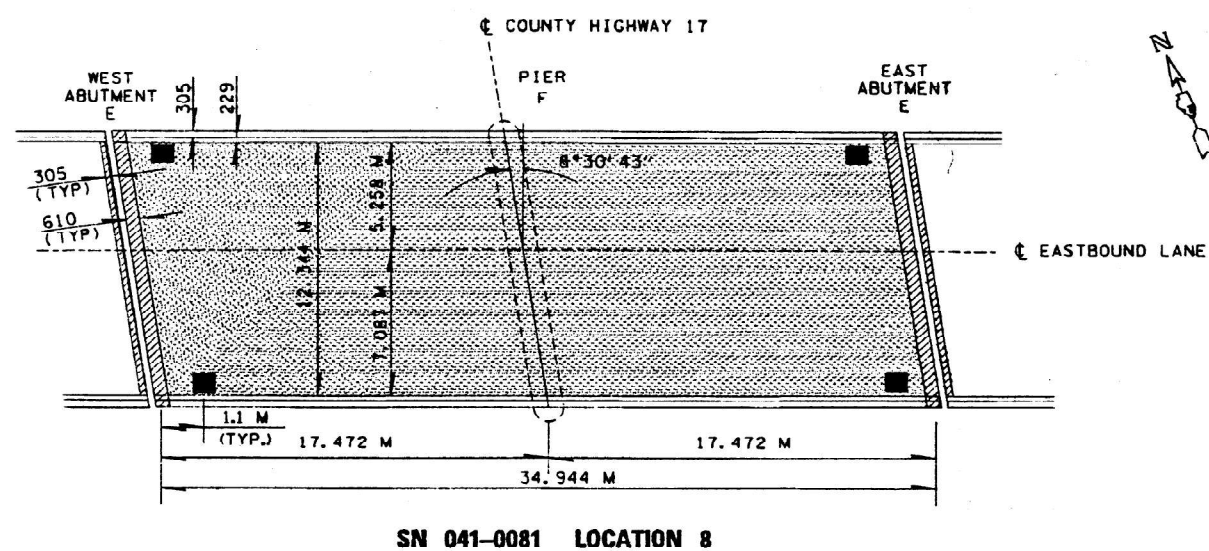
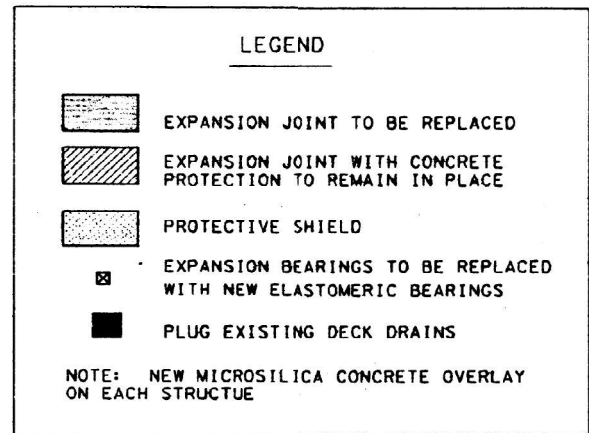
SHEET 30 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	128
CONTRACT NO. 78B34				
ILLINOIS		FED. AID PROJECT		

design firm
no. 184001036

whks

engineers + planners + land surveyors



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS

SN 041-0081 & SN 041-0082

LOCATION 8

DATE _____ DRAWN BY _____

CHECKED BY _____

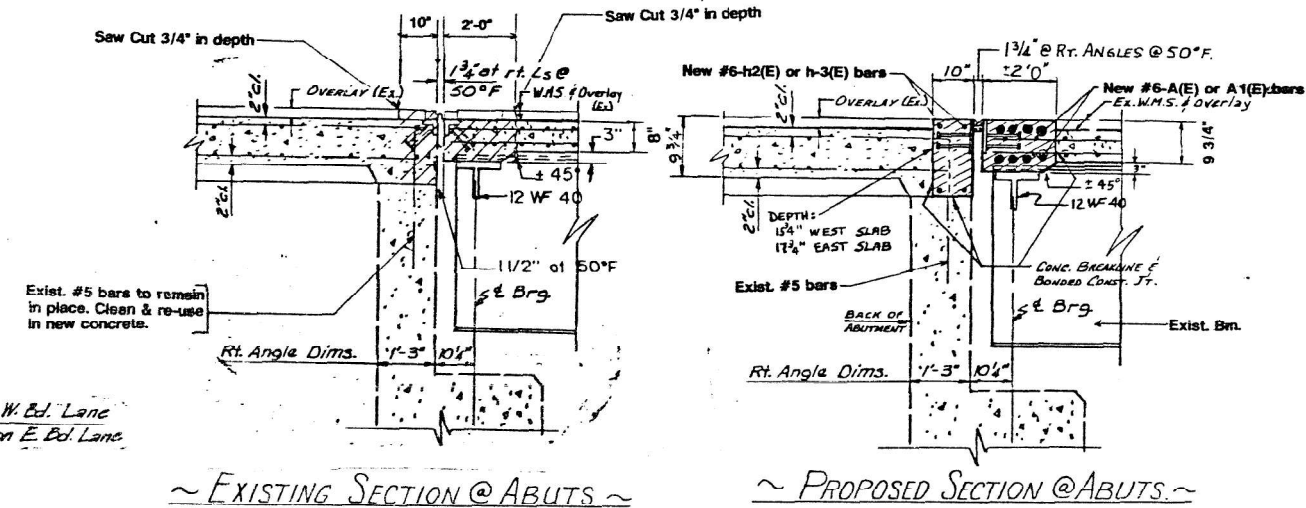
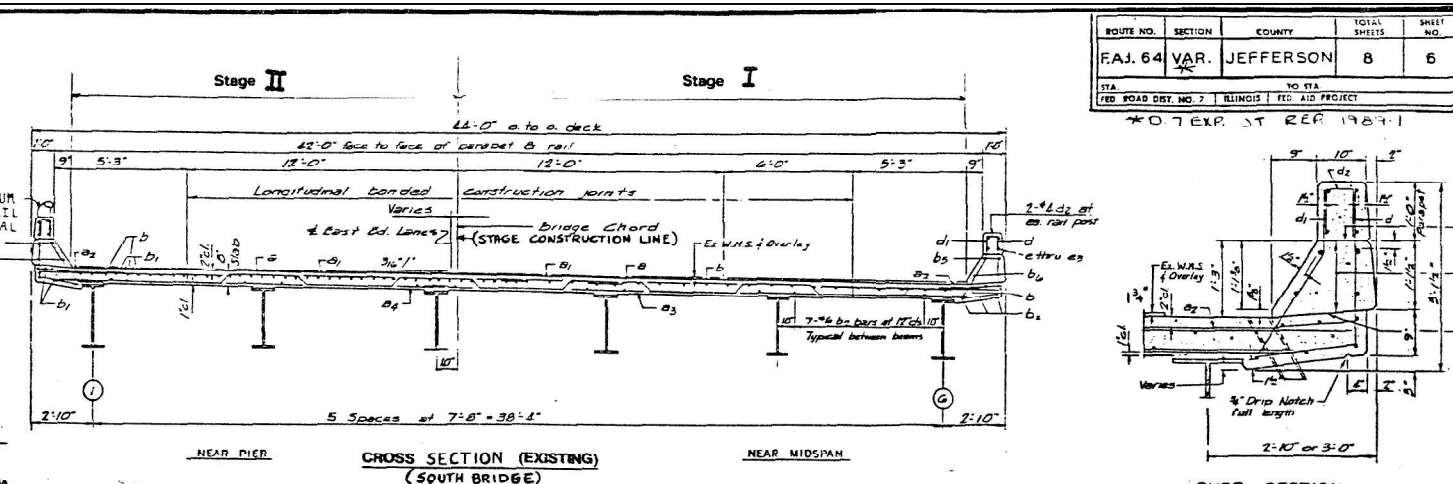
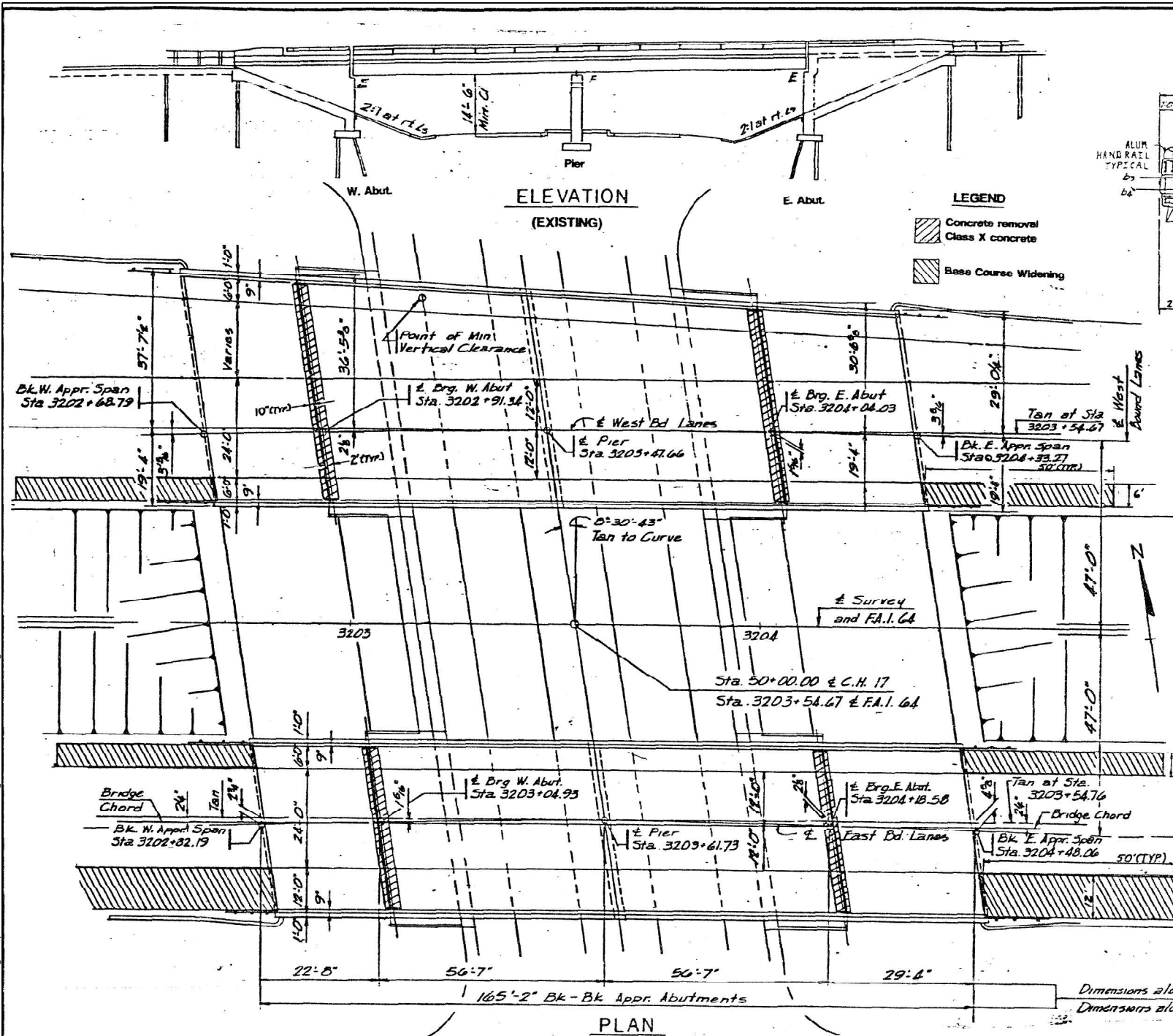
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	CHECKED - 3B	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - SBG / SBG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	129
		CONTRACT NO. 78B34		
ILLINOIS		FED. AID PROJECT		

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-9\10257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10.12\CADD Bridge\041-0081-0082-0978B34.dgn

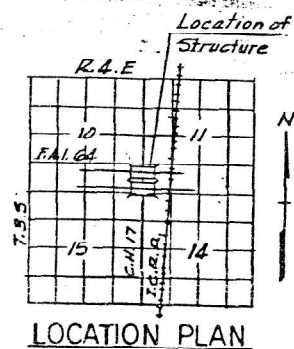


NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

EXISTING BARS SHALL BE CLEANED AND USED FOR NEW CONSTRUCTION. NEW BARS SHALL BE EPOXY COATED WITH THREADED INSERTS FOR STAGED CONSTRUCTION (INCIDENTAL TO RE-BARS)

Bar List	Number	Size	Length	Shape
0(E) WBL Stg I	8	#6	23'-11"	
E Abut.				
0(E) WBL Stg I	8	#6	34'-11"	
W Abut.				
0(E) EBL Stg I	16	#6	23'-3"	
0(E) WBL Stg II	16	#6	17'-7"	
E EBL Stg I				
0(E) EBL Stg II	16	#6	17'-3"	
0(E) WBL Stg I	4	#6	23'-11"	
E Abut.				
0(E) WBL Stg I	4	#6	34'-11"	
W Abut.				
0(E) EBL Stg I	8	#6	23'-3"	
0(E) WBL Stg II	8	#6	17'-7"	
E Abut.				
0(E) EBL Stg I	8	#6	17'-3"	

BILL OF MATERIAL BOTH STRUCT			
Item	WBL	EBL	TOTAL
Concrete Removal	10.0	8.3	18.3 CY
Class X Concrete	11.4	9.5	20.9 CY
Reinforced Jt Seal 2 1/2"	107	109	216 LF
E & E Structural Steel *	4300	3340	7640 LB
Reinforcement Bar (Epoxy)	1470	1780	3250 LB
Base Course Widening	67	200	267 S.Y.
Traffic Seal & Paint	1	1	2 EA.
* WBL			
Stg I E. Abut.	29'-1"		
Stg I W. Abut.	35'-16"		
Stg II E & W Abut.	17'-9 1/2"		
EBL			
Stg I	23'-5 1/2"		
Stg II	17'-5 1/4"		



GENERAL PLAN & ELEVATION

FAI. RT. 64 OVER C.H. 17

FAI. RT. 64 SEC. 41-9HB-3

JEFFERSON COUNTY

STA. 3203+54.67

Str. No. 041-0081 & 0082

USER NAME	= jmontrey	DESIGNED	= SRS	REVISED	=
PLOT DATE	=	CHECKED	= SRS	REVISED	=
PLOT TIME	=	DRAWN	= DLH / JLM	REVISED	=
		CHECKED	= SRS / SMC	REVISED	=

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	130
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

SHEET 32 OF 42 SHEETS

S.M. #3
3pk2 in P.P.
Sta. 3203+84 F.A.I. Route 64-241' Lt.
Elev. 482.07
Vo Existing Structure

64	41-9	JEFFERSON	126	30
HD-3				

GENERAL NOTES

ALL REINFORCEMENT BARS SHALL BE LAPPED 24 DIAMETERS UNLESS OTHERWISE SHOWN.

FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 3/4" ϕ , OPEN HOLES 13/16" ϕ , UNLESS OTHERWISE NOTED.

THE BASIC LEAD SILICO CHROMATE PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF STRUCTURAL STEEL.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED IN THE BOTTOM OF FLANGE OF BEAMS OR GIRDERS NOR ON THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.

SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC, 6" x 6" MESH, WEIGHING 58# PER 100 S.F.T.

CLASS A EXCAVATION FOR STRUCTURES INCLUDES EXCAVATION FOR SLOPE WALL.

THE CONCRETE RAIL SECTION ABOVE THE MANDATORY CONSTRUCTION JOINT AT THE TOP OF THE SLAB SHALL BE CONSTRUCTED OF CLASS X CONCRETE, EXCEPT THE AGGREGATE SHALL CONFORM TO THE REQUIREMENT OF HANDRAIL CONCRETE.

THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.

THE CONTRACTOR SHALL DRIVE TWO (2) STEEL TEST PILES (88836) IN PERMANENT LOCATIONS FOR EACH BRIDGE AS FOLLOWS:

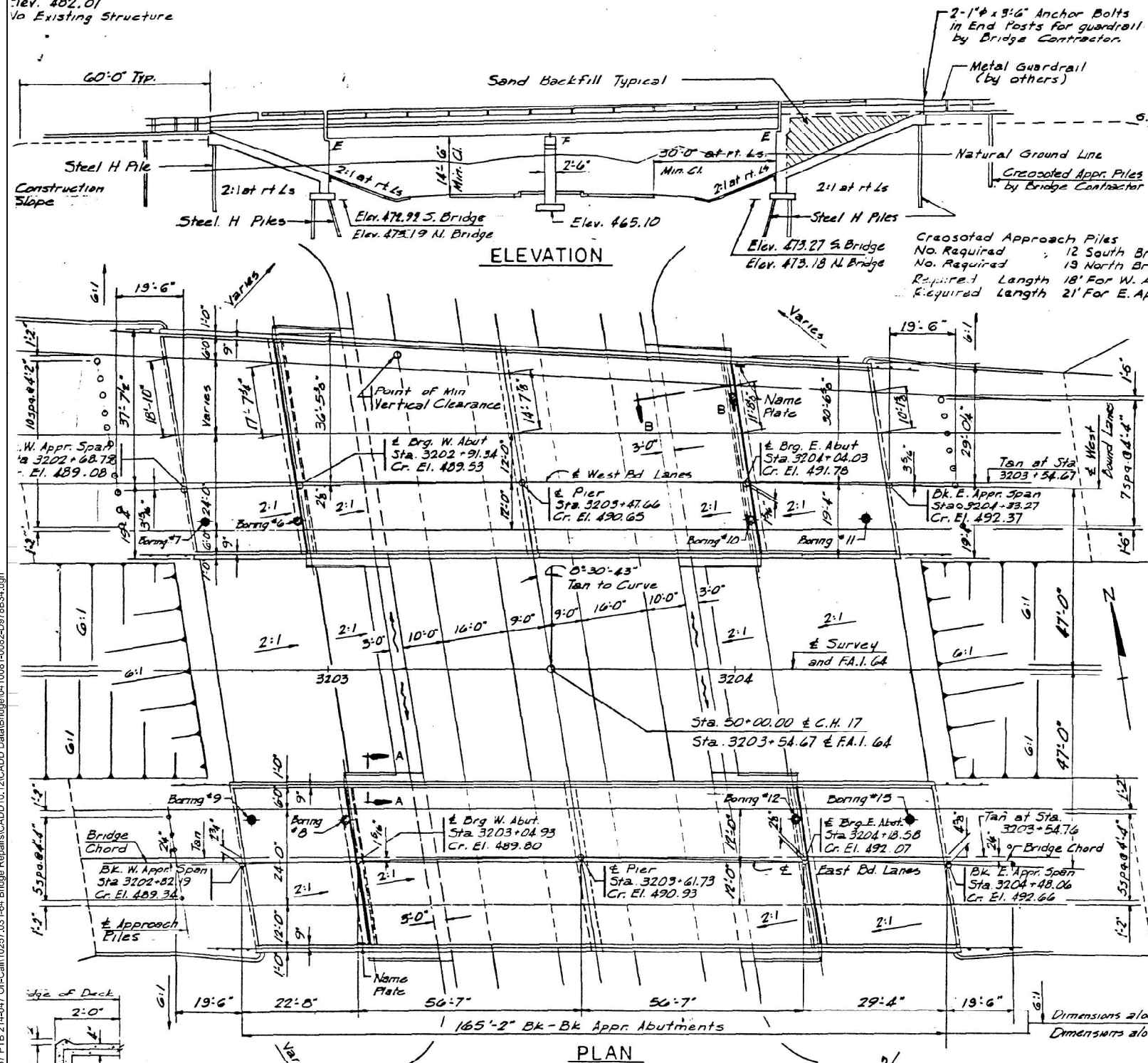
NORTH BRIDGE ONE AT WEST ABUTMENT, AND ONE AT EAST APPROACH BENT.

SOUTH BRIDGE ONE AT EAST ABUTMENT, AND ONE AT WEST APPROACH BENT.

THE LOCATION OF TEST PILES AS DIRECTED BY THE ENGINEER SHALL BE DRIVEN BEFORE ORDERING THE REMAINDER OF PILES.

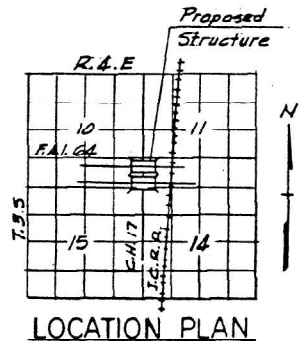
ALL STEEL PILES SHALL BE DRIVEN TO REFUSAL.

CALCULATED WEIGHT OF STRUCTURAL STEEL = 244,360 #



STATION 3203+54.67
BUILT 19 BY
STATE OF ILLINOIS
F.A.I. RTE. 64 SEC. 41-9HB-3
F.A. PROJ. I-64-3(54)
LOADING HS20 & ALT

NAME PLATE
See Standard 2113



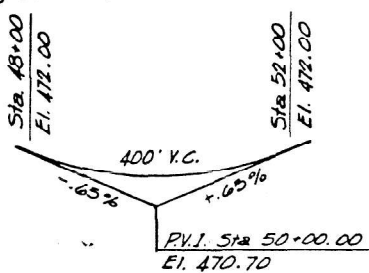
DESIGN STRESSES

$P_c = 1200$ psi. Deck Slab
 $P_c = 1400$ psi. Curb, Parapet, Sub.
 $P_s = 20,000$ psi. Reinf.
 $P_s = 20,000$ psi. Struct.
 $T_c = 75$ psi. Flgs
 $n = 10$
Allowable Fut. W.S. 25 %
Allowable ϵ $\Delta = 4/1200$ Composite
LOADING HS20 & ALTERNATE

CURVE DATA F.A.I. RT. 64

P.I. Sta 3197+49.72
 $\Delta = 11^\circ 58' 16''$
 $D = 00'-30'-00''$
 $T = 1201.18'$
 $L = 2394.22'$
 $R = 11459.16'$
 $A = 62.8'$
 $U = 0.0186\%$
 $S = \text{Attained}$
Sta. 3184+14.91 To Sta 3186+14.91
Full S. (Crown Removed)
Sta. 3186+14.91 To Sta 3208.75.79
S-Removed
Sta. 3208+75.79 To Sta 3210+75.79

Dimensions along tan. on W. Bd. Lane
Dimensions along chord on E. Bd. Lane



V.C. DATA - C.H. 17

TOTAL BILL OF MATERIAL

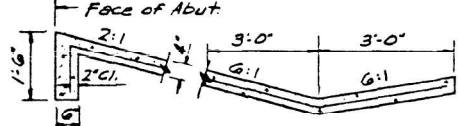
ITEM	UNITS	SUPER	SUB	TOTAL
Cl. A. Exc. For Structures	Cu. Yds.		585	585
Protective Coat	Sq. Yds	1893		1893
Class X Concrete	Cu. Yds	605.4	512.9	1118.3
Structural Steel	L.SUM	1		1
Stud Shear Connectors	Each	4928		4928
Aluminum Railing	Lin. Ft.	576		576
Reinforcement Bars	Lbs.	146,272	64,467	210,739
Steel Piles (88P36)	Lin. Ft.		2024	2024
Test Piles Steel (88P36)	Each		4	4
Name Plates	Each		2	2
Slope Wall (4")	Sq. Yds		560	560
Preformed Joint Sealer	Lin. Ft.	195		195
Cresosoted Piles up to 20 Ft.	Lin. Ft.		306	306
Cresosoted Piles 201 to 38 Ft.	Lin. Ft.		294	294
Sand Backfill	Cu. Yds.		725	725

GENERAL PLAN & ELEVATION
PROJ. I-64-3
F.A.I. RT. 64 OVER C.H. 17
F.A.I. RT. 64 SEC. 41-9HB-3
JEFFERSON COUNTY
STA. 3203+54.67

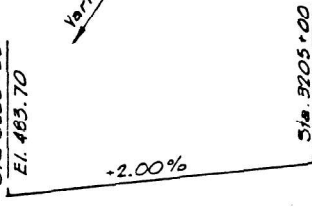
SECTION A-A

NFD J.M.N.
LED J.R.G.
N E.O.R.
LED J.R.G.

SECTION B-B



PROFILE F.A.I. RTE. 64



USER NAME = jmontrey	DESIGNED = SRS	REVISED =
	CHECKED = SRS	REVISED =
PLOT DATE =	DRAWN = DLH / JLM	REVISED =
PLOT TIME =	CHECKED = SRS / SMC	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 33 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	131

CONTRACT NO. 78B34

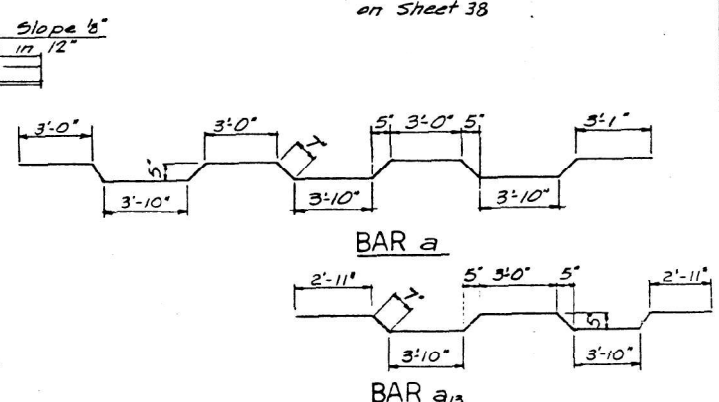
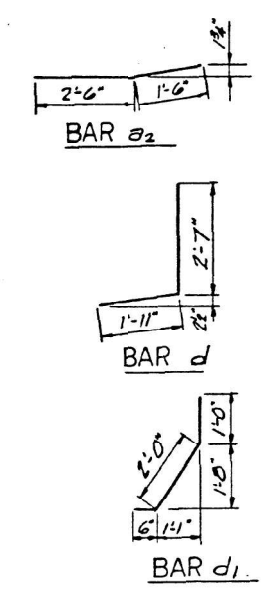
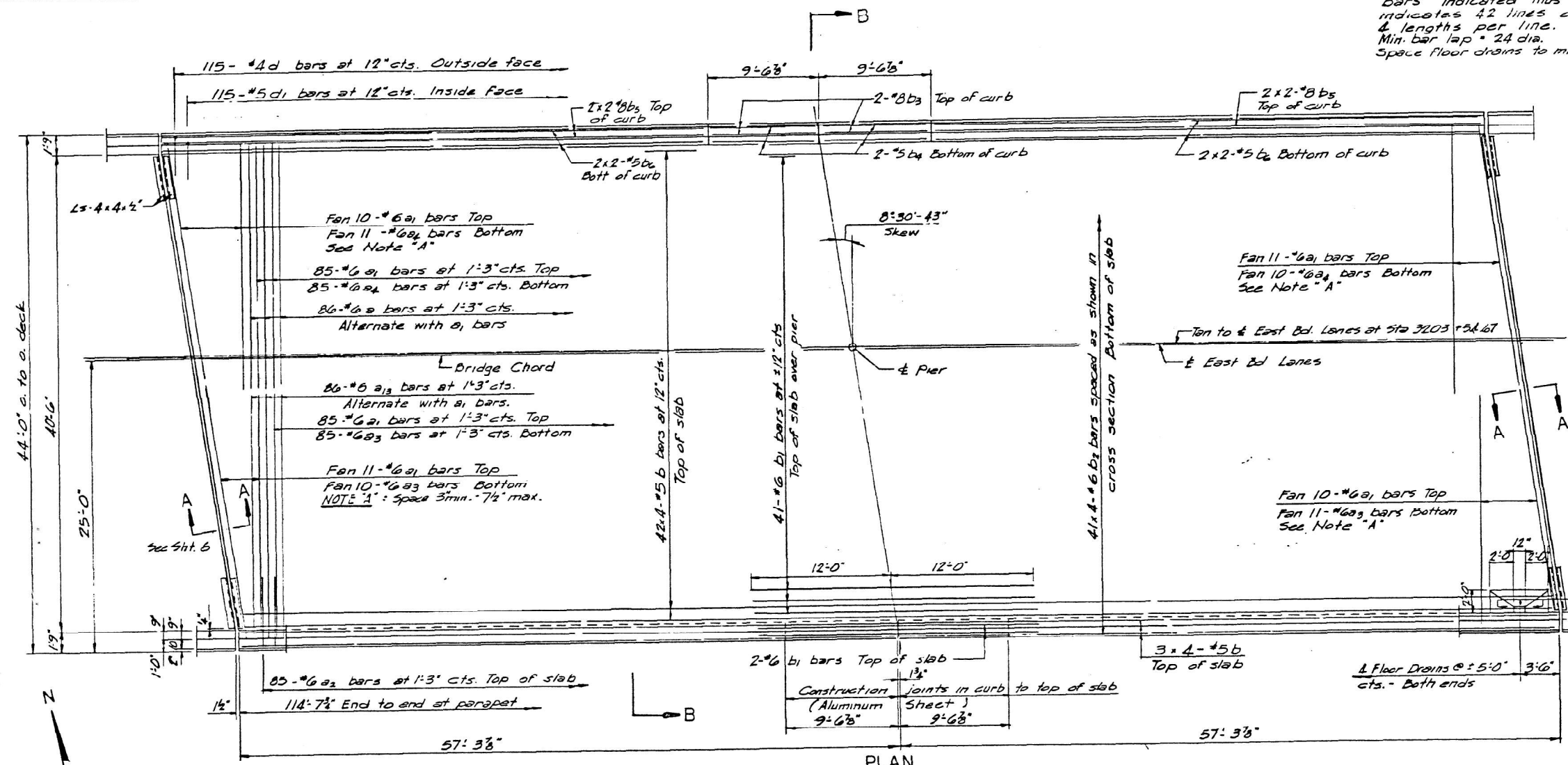
ILLINOIS FED. AID PROJECT

NOTE:
Bars indicated thus 42x4x5 etc.
indicates 42 lines of bars with
lengths per line.
Min. bar lap = 24 dia.
Space floor drains to miss diaphragms.

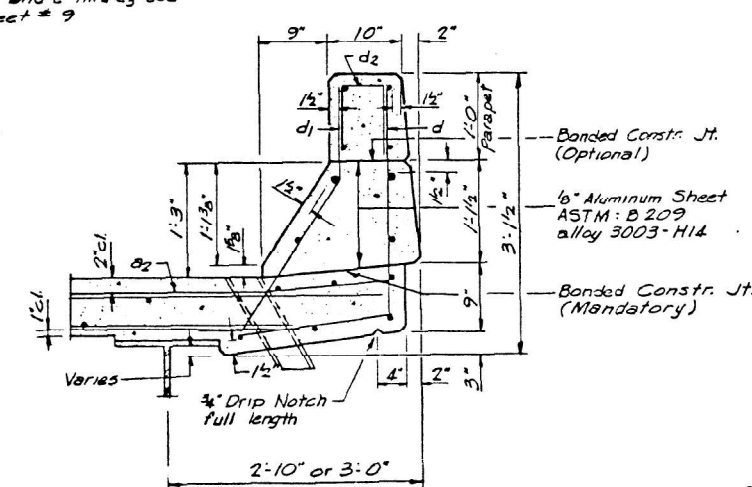
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	86	#6	27'-1"	—
a ₁	212	#6	22'-6"	—
a ₂	170	#6	4'-0"	—
a ₃	106	#6	25'-3"	—
a ₄	106	#6	17'-9"	—
a ₁₃	86	#6	18'-3"	—
b	192	#5	30'-0"	—
b ₁	45	#6	24'-0"	—
b ₂	164	#6	30'-0"	—
b ₃	8	#6	9'-3"	—
b ₄	8	#5	9'-3"	—
b ₅	16	#8	24'-9"	—
b ₆	16	#5	24'-9"	—
d	230	#4	4'-6"	—
d ₁	230	#5	3'-6"	—
Reinforcement Bars			Lbs	39185
Class X Concrete			Cu.Yds.	148.8

Parapet reinforcement and
Class X Concrete are billed
on Sheet 38



NOTE: For placement of bars
d₃ and e thru e₃ see
sheet # 9



NOTE:
For Section A-A, Detail of
Floor Drains, Preformed Joint
Sealer and Expansion Guard
Angles. See Sheet 35

SOUTH BRIDGE
SUPERSTRUCTURE
F.A.I. RT.64 SEC.41-9HB-3
JEFFERSON COUNTY
STA 3203+54.67

DESIGNED J.M.N.
CHECKED J.R.G.
FOR

USER NAME	=	jmontrey	DESIGNED	-	SRG	REVISED	-
			CHECKED	-	SRG	REVISED	-
PLOT DATE	=		DRAWN	-	DLH / JLM	REVISED	-
PLOT TIME	=		CHECKED	-	SRG / SMC	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	132
				CONTRACT NO. 78B34

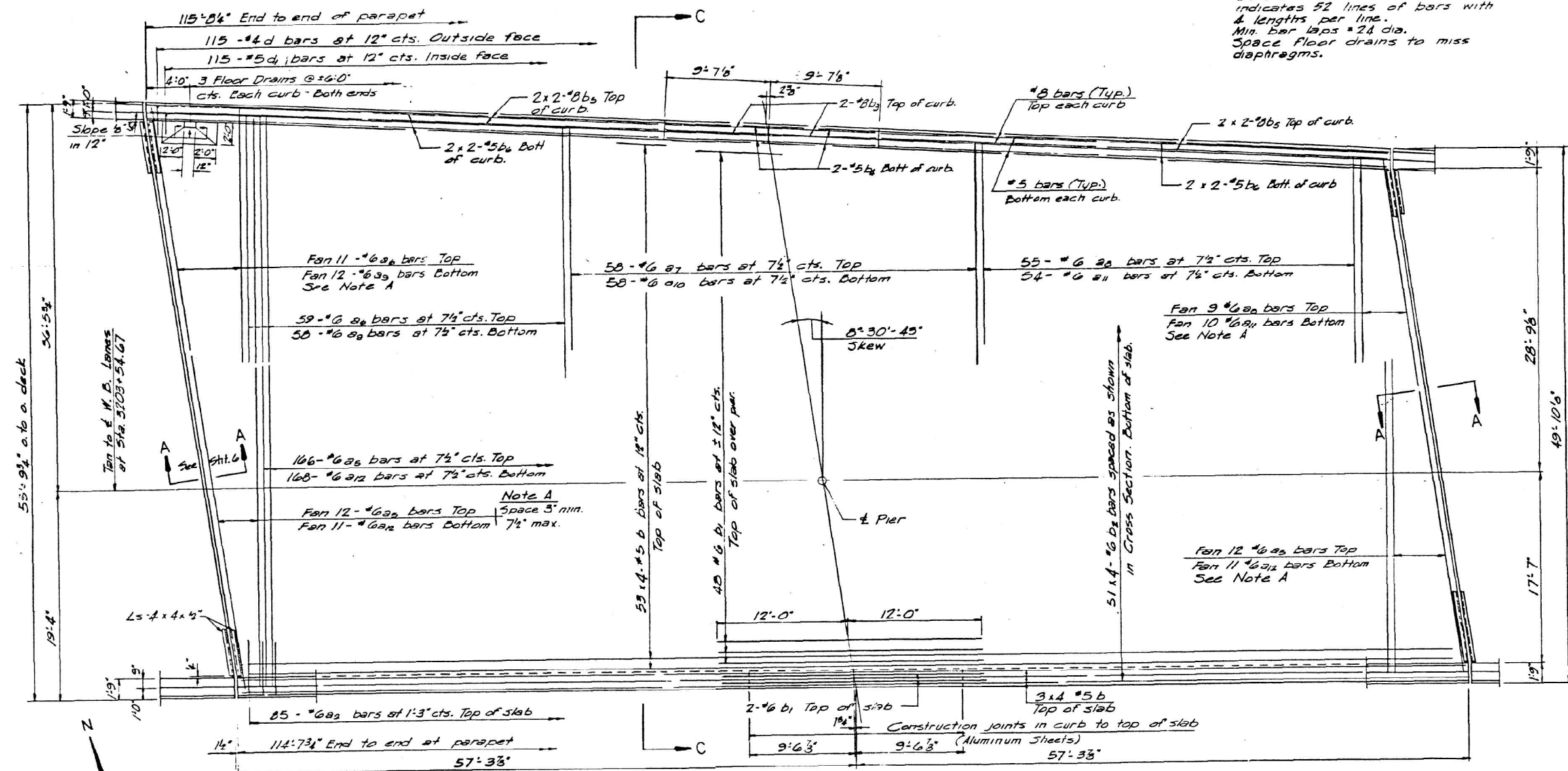
64	41-5 HB-3	JEFFERSON	126	34
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NOTE:
Bars indicated thus 52 x 4 - #5 etc.
indicates 52 lines of bars with
4 lengths per line.
Min. bar laps = 2d dia.
Space floor drains to miss
diaphragms.

BILL OF MATERIAL

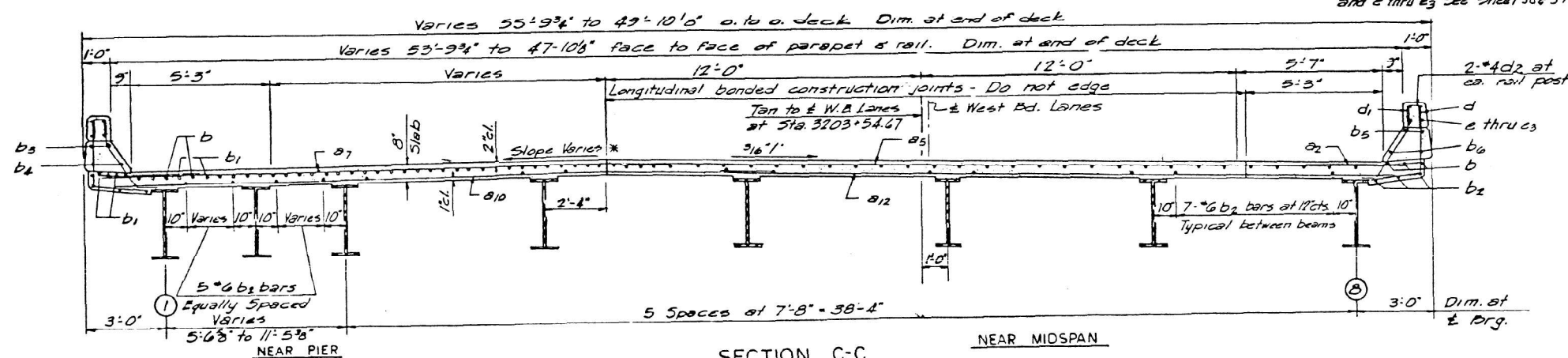
Bar	No.	Size	Length	Shape
a2	170	#6	4'-0"	—
a3	190	#6	29'-0"	—
a4	70	#6	26'-6"	—
a7	58	#6	24'-6"	—
a8	64	#6	22'-6"	—
a9	70	#6	29'-3"	—
a10	58	#6	27'-3"	—
a11	64	#6	25'-3"	—
a12	190	#6	25'-6"	—
b	256	#5	30'-0"	—
b1	52	#6	24'-0"	—
b2	204	#6	30'-0"	—
b3	3	#8	9'-3"	—
b4	8	#5	9'-3"	—
b5	16	#8	24'-9"	—
b6	16	#5	24'-9"	—
d	230	#4	4'-6"	—
d1	230	#5	3'-6"	—
Reinforcement Bars			Lbs.	53261
Class X Concrete			Cu. Yds.	175.3

NOTE:
Parapet reinforcement and
Class X concrete are billed
on Sheet 38 & 39



PLAN

NOTE:
For placement of bars d3
and c thru e3 See Sheet 38 & 39



SECTION C-C

NOTE:
For Section A-A, Details of
Floor Drains, Preformed Joint
Sealer and Expansion Guard
Angles. See Sheet 35.
For Curb Section See Sheet 33.

NORTH BRIDGE
SUPERSTRUCTURE
F.A.I. RT. 64 SEC. 41-9HB-3
JEFFERSON COUNTY
STA 3203+54.67

DESIGNED J.M.N.
CHECKED J.R.G.
DRAWN EOR
CHECKED L.R.G.



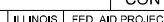
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PLOT TIME =	CHECKED - SRS / SMC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

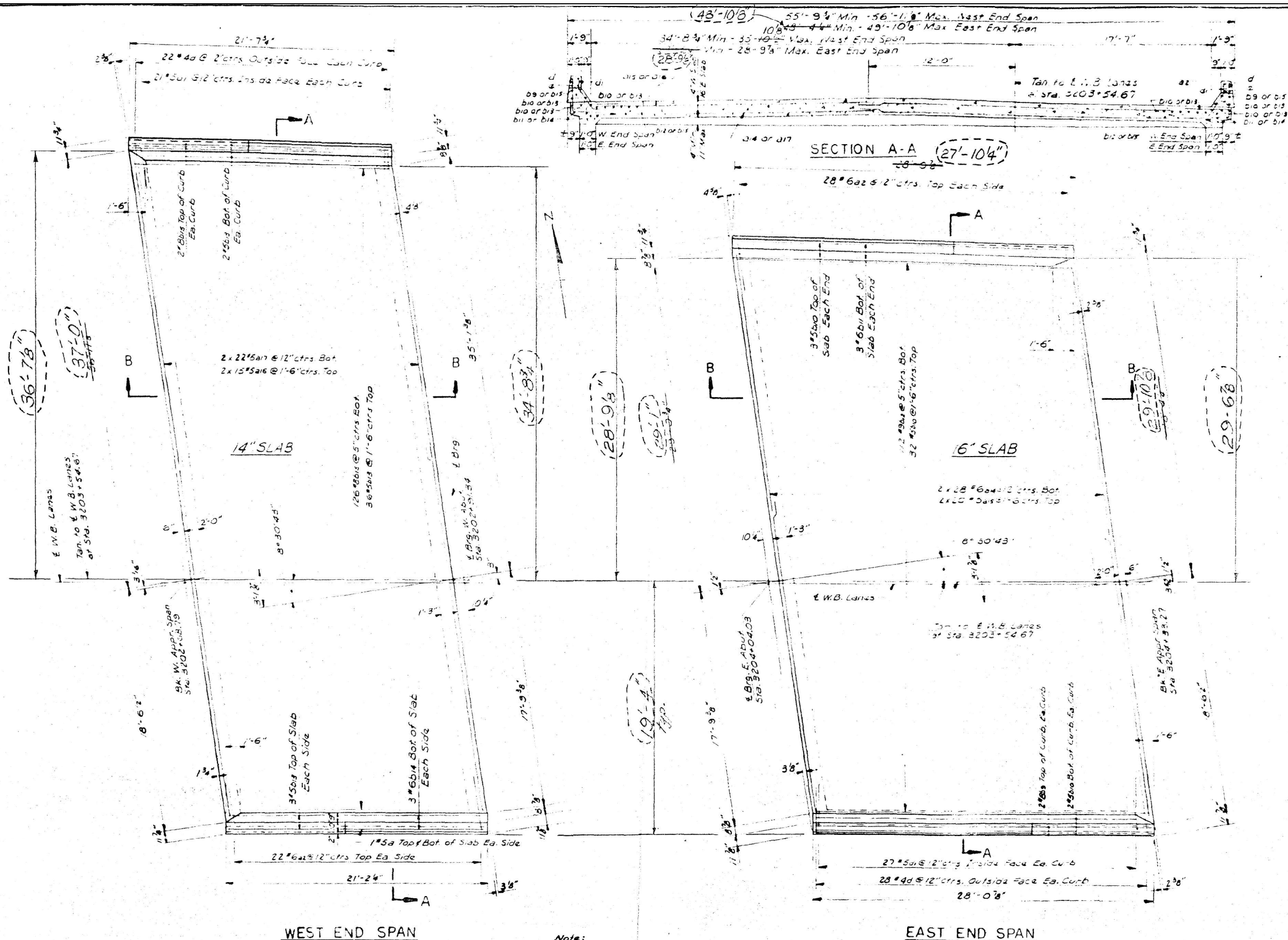
EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 35 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	133
CONTRACT NO. 78B34				
ILLINOIS / FED. AID PROJECT				



FILE NAME: C:\SP\WHKS & COL\pchs-spring - Projects\DOT D-810257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10-12\CADD Data\Bridge\041-0081-0082-D878B34.dgn



Note: For placement of bars
32 and 4 thru 44 in para 3
see sheet 38 of 39

BILL OF MATERIAL				
Bar Number	Size	Length	Shape	
32	50	5	4'-0"	
34	54	5	4'-0"	
35	40	5	25'-0"	
36	30	5	25'-0"	
37	54	5	25'-0"	
39	4	5	27'-6"	
40	42	5	27'-6"	
41	6	5	27'-6"	
42	112	5	27'-6"	
43	46	5	20'-0"	
44	6	5	20'-0"	
45	126	5	20'-0"	
d	100	5	4'-6"	
d	96	5	3'-6"	
Reinforcement Bars				27'-3"
Class X Concrete				139.1

DESIGNED	J.M.N.
CHECKED	J.R.G.
DRAWN	J.A.S.
CHECKED	J.R.G.

Rev. 6/22/73 Class X Conc. from 138.0 to 139.1 Cu. Yds. SM.

Note:
For Section 8-8
see sheet #36

AS REVISED
6/22/73
NORTH BRIDGE
END SPANS
FAI. RTE. 64 SEC. 41-9HB-3
JEFFERSON COUNTY
STA. 3204+5467

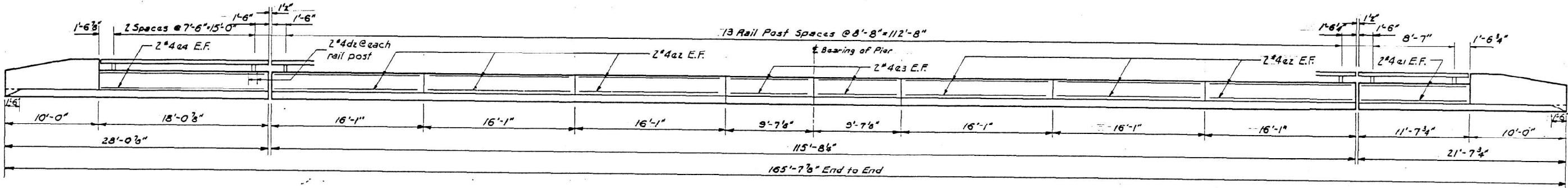
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PLOT TIME	=	DRAWN	= DLH / JLM	REVISED	=
		CHECKED	= SRS / SMC	REVISED	=

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

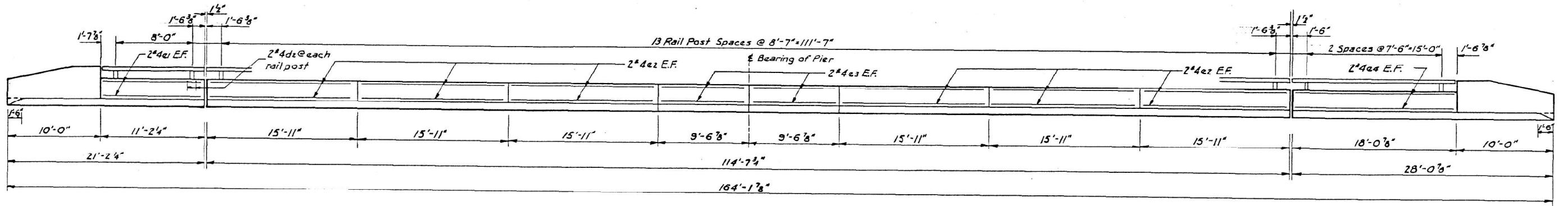
EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	135
CONTRACT NO. 78B34				
ILLINOIS FED. AID PROJECT				

SHEET 37 OF 42 SHEETS



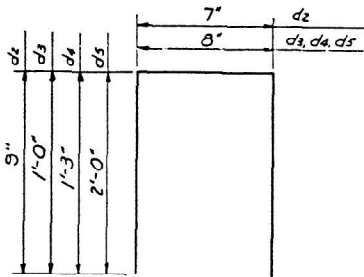
NORTH RAILING LOOKING SOUTH



SOUTH RAILING LOOKING NORTH

BILL OF MATERIAL
PARAPETS & RAILS

BAR	NUMBER	SIZE	LENGTH-SHAPE
NORTH SOUTH BRIDGE			
d2	76	#4	2'-8"
d3	12	#4	2'-8"
d4	12	#4	3'-2"
d5	16	#4	4'-8"
e	24	#4	9'-9"
e1	8	#4	10'-11"
e2	48	#4	15'-8"
e3	16	#4	9'-3"
e4	8	#4	17'-6"
REINF. BARS	NO. BRIDGE	LBS.	1142
CL. X CONC.	NO. BRIDGE	CU. YDS.	12.5
ALUMINUM RAILING	NO. BR.	LN. FT.	289
REINF. BARS	SO. BRIDGE	LBS.	1142
CL. X CONC.	SO. BRIDGE	CU. YDS.	12.4
ALUMINUM RAILING	SO. BR.	LN. FT.	287



BARS d2, d3, d4, d5

Note: For End Post Detail & Reinforcement and Railing Dimensions See Sheet #39.

NORTH BRIDGE
RAILING
F.A.I. RT. 64 SEC. 41 9HB 3
JEFFERSON COUNTY
STA. 3203 5467

SIGNED J.M.N.
CHECKED J.R.G.
DRAWN J.A.S.
CHECKED J.R.G.

Design firm
no. 184001036

whks
engineers + planners + land surveyors

USER NAME = jmontrey	DESIGNED - SBS	REVISED -
	CHECKED - SEC	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - SBS / SMC	REVISED -

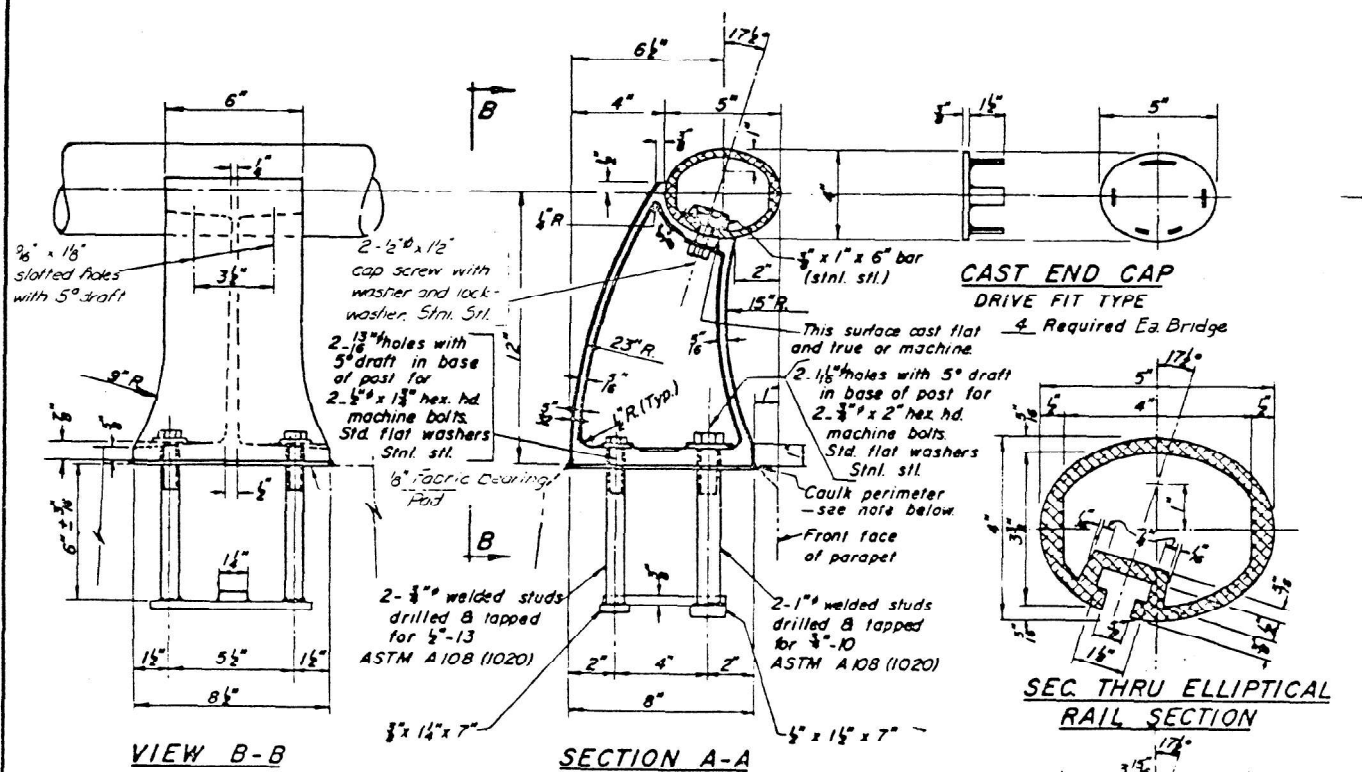
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

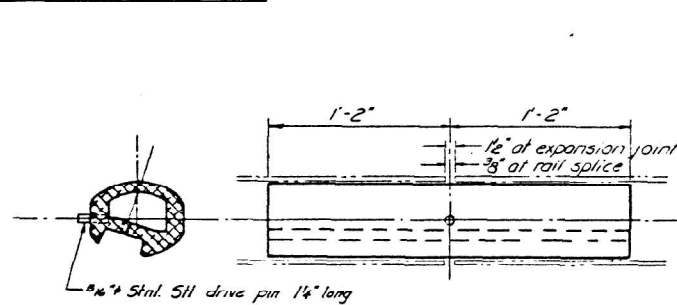
SHEET 38 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D8 BRIDGE OVERLAY 2026-1	JEFFERSON	141	136
				CONTRACT NO. 78B34
ILLINOIS FED. AID PROJECT				

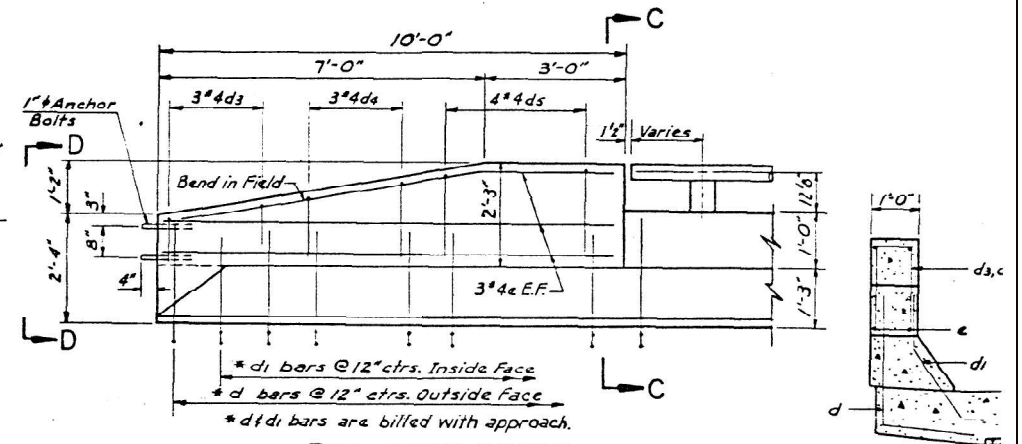
SOUTH RAILING LOOKING NORTH
NORTH RAILING SIMILAR



RAIL POST DETAILS



RAIL SPLICE



END POST DETAIL

SECTION

NOTES

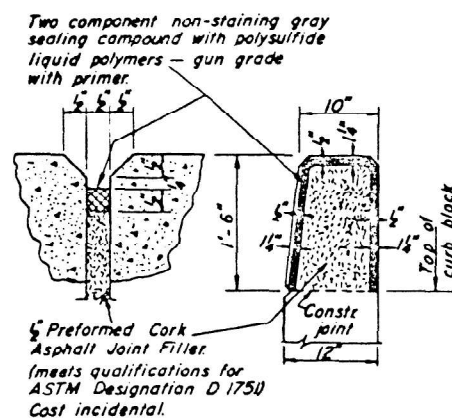
All Posts shall be normal to parapet.

Provide 1-1/2" and 2-1/4" Aluminum Strips for 25% of the Posts. Rail Element shall be parallel to Grade-high spots shall be ground, and low spots skinned.

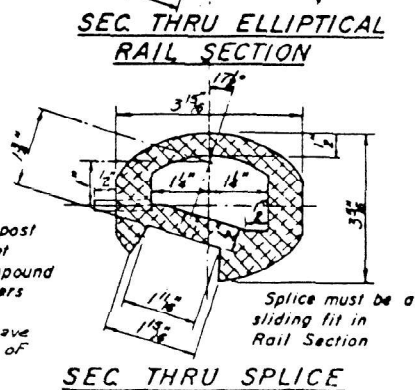
All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.

Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, and elongation of 10% in 2 inches.

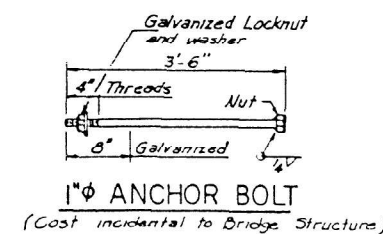
Note: For Bill of Material
4 bar bending details see
sheet # 38



PARAPET JOINT DETAIL



SEC THRU SPLICE



VIEW D-D

DESIGNED	J. M. N.
CHECKED	J. R. G.
DRAWN	J. A. S.
CHECKED	J. R. G.

Note:

Seal perimeter of base of post to parapet with two component non-staining gray seating compound with polysulfide liquid polymers -gun grade with primer. Fabric Bearing Pad shall have same dimensions as base of post.

USER NAME = Jmontrey	DESIGNED - SBG	REVISED -
	CHECKED - SBG	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - SBG / SBG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	137
		CONTRACT NO. 78B34		
		ILLINOIS FED. AID PROJECT		

SHEET 39 OF 42 SHEETS

		CONTRACT
ILLINOIS	FED. AID PROJECT	

FEDERAL AID DIST. NO.	SECTION	PROJECT	SHEET NO.	TOTAL SHEETS
64	41-9 HB-3	JEFFERSON	126	40

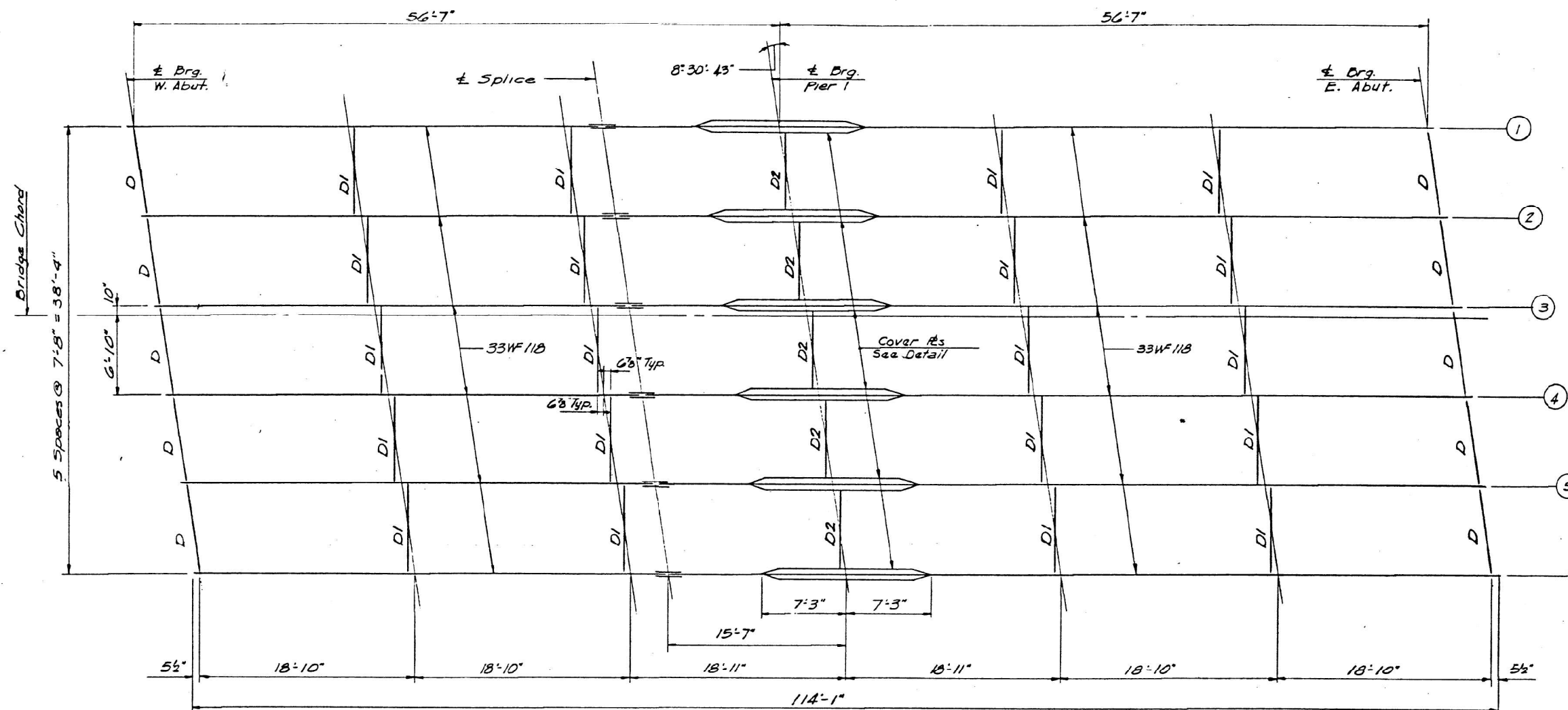
ELEVATION TOP OF WF

Beam No.	E. Brg. W. Abut.	E. Splice	E. Brg. Pier 1	E. Brg. E. Abut.
1	489.349	490.103	490.430	491.619
2	489.252	490.016	490.341	491.524
3	489.155	489.919	490.244	491.428
4	489.057	489.822	490.148	491.333
5	488.960	489.726	490.051	491.237
6	488.863	489.620	489.945	491.141

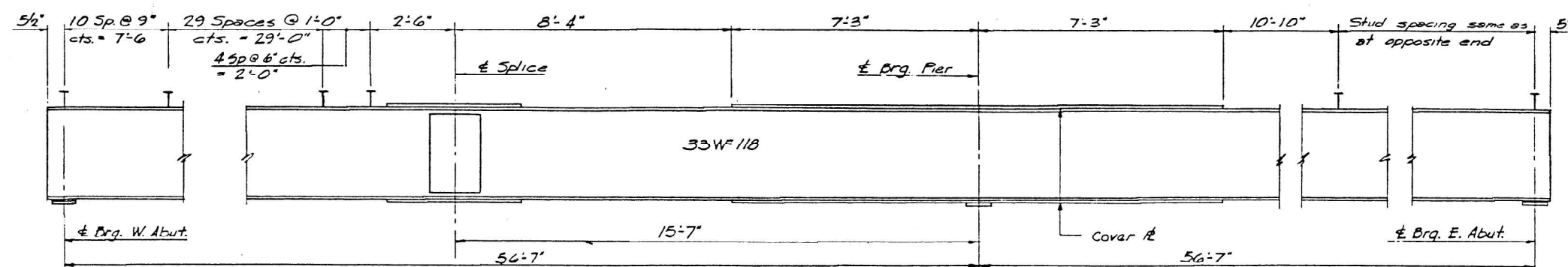
BILL OF MATERIAL

Item	Quantity
Structural Steel Lbs.	109,304

The above Quantity includes the following:
Bearing Assemblies 4,884
Expansion Guard 2,149



NOTE:
Diaphragms "D" are 12WF 40
Diaphragms "D1" & "D2" are 16WF 36



ELEVATION - TYPICAL INTERIOR STRINGER

NOTE:
See Sheet 42 for Details and Sections.

DESIGNED	J.M.N.
CHECKED	J.R.G.
DRAWN	S.N.
HECKED	J.R.G.

SOUTH BRIDGE
STRUCTURAL STEEL
F.A.I. RT. 64 SEC. 41-9 HB-3
JEFFERSON COUNTY
STA. 3203+54.67

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-9\10257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10 12\CADD Data\Bridge\041-0081-0082-0978B34.dgn

Design Firm
no. 184001036



USER NAME = jmontrey	DESIGNED - SRS	REVISED -
	CHECKED - SRS	REVISED -
PLOT DATE =	DRAWN - DLH / JLM	REVISED -
PLOT TIME =	CHECKED - SRS / SMC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

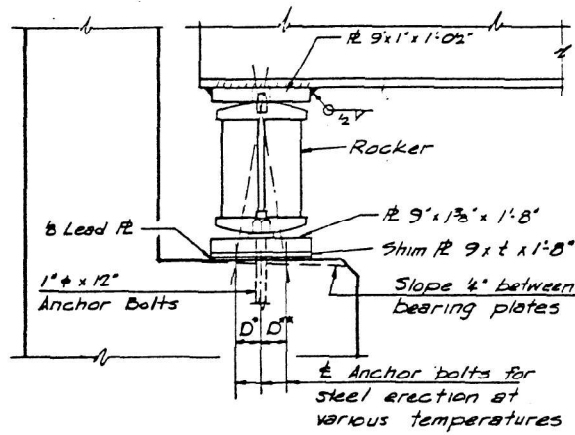
SHEET 40 OF 42 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	138
				CONTRACT NO. 78B34

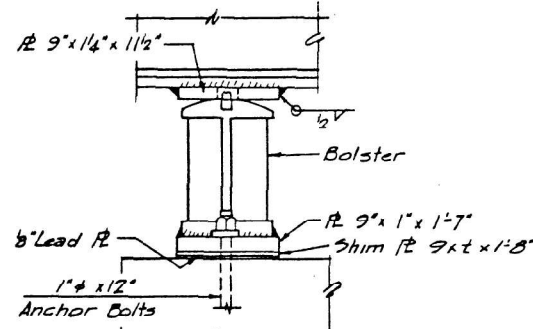
ILLINOIS FED. AID PROJECT



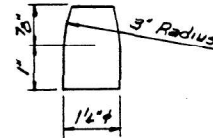
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	139
		CONTRACT NO. 78B34		
		ILLINOIS	FED. AID PROJECT	



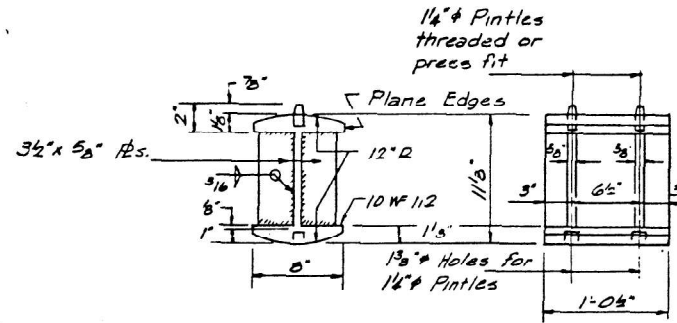
ELEVATION



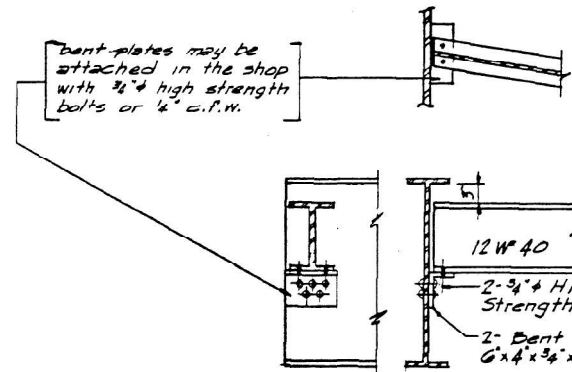
ELEVATION



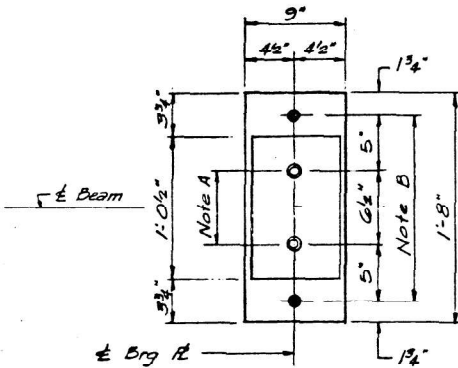
PINTLE



ROCKER

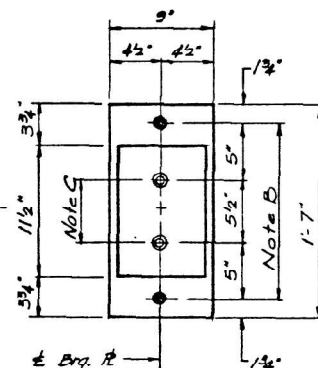


DIAPHRAGM D
D - 24 Required



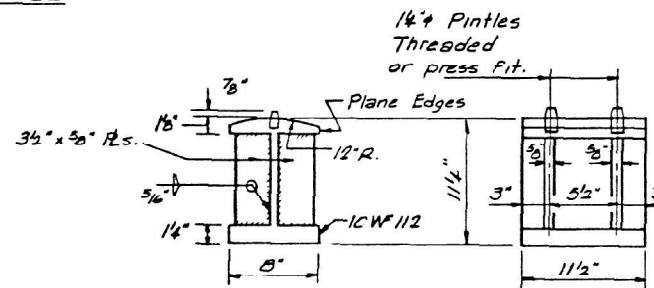
PLAN AT ABUTMENT

NOTE A
1/2" Holes - 1" deep in
top flange for pintles.
Thread or press fit
pintles in bottom
flange.



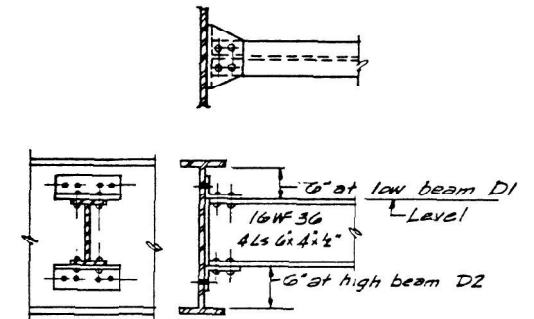
PLAN AT PIER

NOTE B
1/2" Holes for 1" anchor bolts
2 1/2" x 2 1/2" x 5/16" flange washers
under nut.



BOLSTER

NOTE C
1/2" Holes 1" deep in
top flange only for
1/4" pintles.



DIAPHRAGMS D1 & D2
D1 - 48 Required
D2 - 12 Required

a) D* (Side of bry. away from fixed bry.)
D* = 1/2" per each 100' of expansion for
every 15° fall below the normal
temperature of 50° F.

D** (Side of bry. toward fixed bry.)
D** = 1/2" per each 100' of expansion for
every 15° rise above the normal
temperature of 50° F.

b) After beams have been erected and
dimensions D* or D** determined,
holes shall be drilled and anchor bolts
shall be grouted in place. All fixed
anchor bolts may be built into the
masonry.

TABLE OF SHEARS, MOMENTS & REACTIONS (INT. BM.)

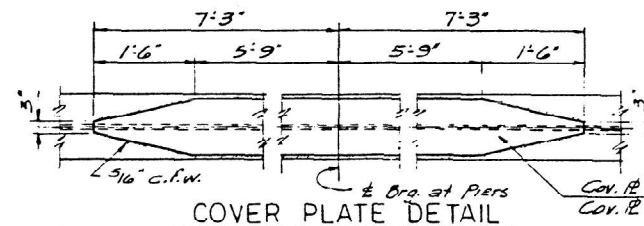
SHEARS						MOMENTS						REACTIONS					
Loads	Abut	1st	2nd	3rd	Pier	Loads	0.4% open	Pier	0.6% open	Loads	W. Abut	Pier	E. Abut				
Dead Load	19.2	5.9	7.3	20.7	34.0	D.L.	195	418	195	D.L.	19	68	19				
Sup. Dead L.	4.8	1.7	1.2	4.3	7.3	S.D.L.	54	72	54	S.D.L.	5	15	5				
Live Load	10.5	26.7	19.8	33.3	44.0	L.L.	432	263	432	L.L.	41	49	41				
Impact	11.0	7.3	5.5	9.1	12.0	I.	119	72	119	I.	11	10	11				
Total	75.5	41.6	33.8	67.4	97.3	Total	800	825	800	Total	76	142	76				

BEAM PROPERTIES (INT. BM.)

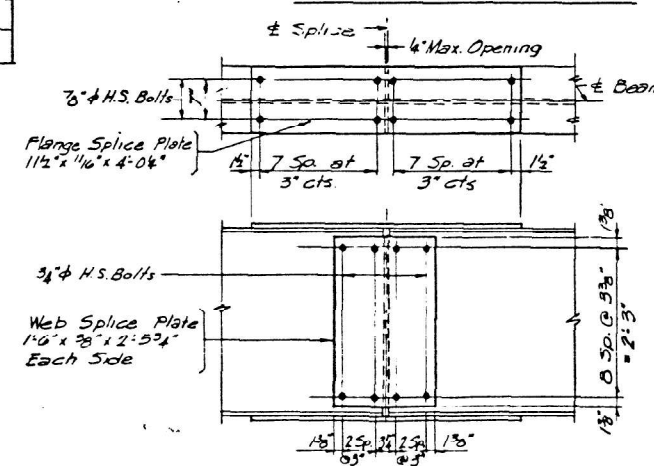
	Steel Section	Steel Sect. Per	Comp. Section
I ₃	5887	8807	16495
I ₇	358	520	1512
S ₈	358	520	542

TABLE OF 't' DIMENSIONS

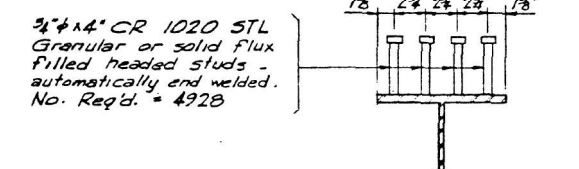
	SOUTH BRIDGE						NORTH BRIDGE					
Beams	1	2	3	4	5	6	1	2	3	4	5	6
W. Abut	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"
Pier	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"
E. Abut	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"



COVER PLATE DETAIL



SPLICE PLATE DETAIL



SHEAR CONNECTOR
DETAIL

STRUCTURAL STEEL DETAILS
F.A.I. RT. 64 SEC. 41-9HB-3
JEFFERSON COUNTY
STA. 3203+54.67

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\DOT D-910257 PTB 214-047 On-Call\10257.03 164 Bridge Repairs\CADD\10 12 CADDD Data\Bridge\041-0081-0082-0978834.dgn

DESIGNED J.M.N.
CHECKED J.R.G.
DRAWN S.N.
CHECKED J.R.G.

whks
engineers + planners + land surveyors

USER NAME = jmontrey
DESIGNED - SRS
CHECKED - SRS
PLOT DATE =
PLOT TIME =
DRAWN - DLH / JLM
CHECKED - SRS / SMC
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS - FOR INFORMATION ONLY
STRUCTURE NO. 041-0081 (EB) & 041-0082 (WB)

SHEET 42 OF 42 SHEETS

FAI
RTE.
64
SECTION
D9 BRIDGE OVERLAY 2026-1
COUNTY
JEFFERSON
TOTAL
SHEETS
141
SHEET
NO.
140
CONTRACT NO. 78B34
ILLINOIS
FED. AID PROJECT

MODEL: DEF-1 Sheet]
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design firm
no. 184001036

whks

engineers + planners + land surveyors

USER NAME = kfair	DESIGNED - LNJ	REVISED -
	DRAWN - KNF	REVISED -
PLOT SCALE = 0.16666633''/in.	CHECKED - RKA	REVISED -
PLOT DATE = 12/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS			
I-64 (FAI 64) DUAL BRIDGE REPAIRS			
SCALE: 1"=50'	SHEET 1	OF 1 SHEETS	STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	D9 BRIDGE OVERLAY 2026-1	JEFFERSON	141	141
CONTRACT NO. 78B34				
		ILLINOIS	FED. AID PROJECT	