

DESIGN DESIGNATION

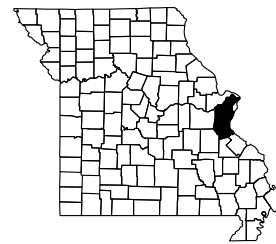
A.D.T. - 2025 = 123,190
 A.D.T. - 2045 = 135,500
 D.H.V. = 9.9 %
 T = 15.4 %
 V = 65 M.P.H.
 D = 50 %

FUNCTIONAL CLASSIFICATION - INTERSTATE HIGHWAY

PERMANENT EASEMENT TO BE ACQUIRED ON THIS PROJECT

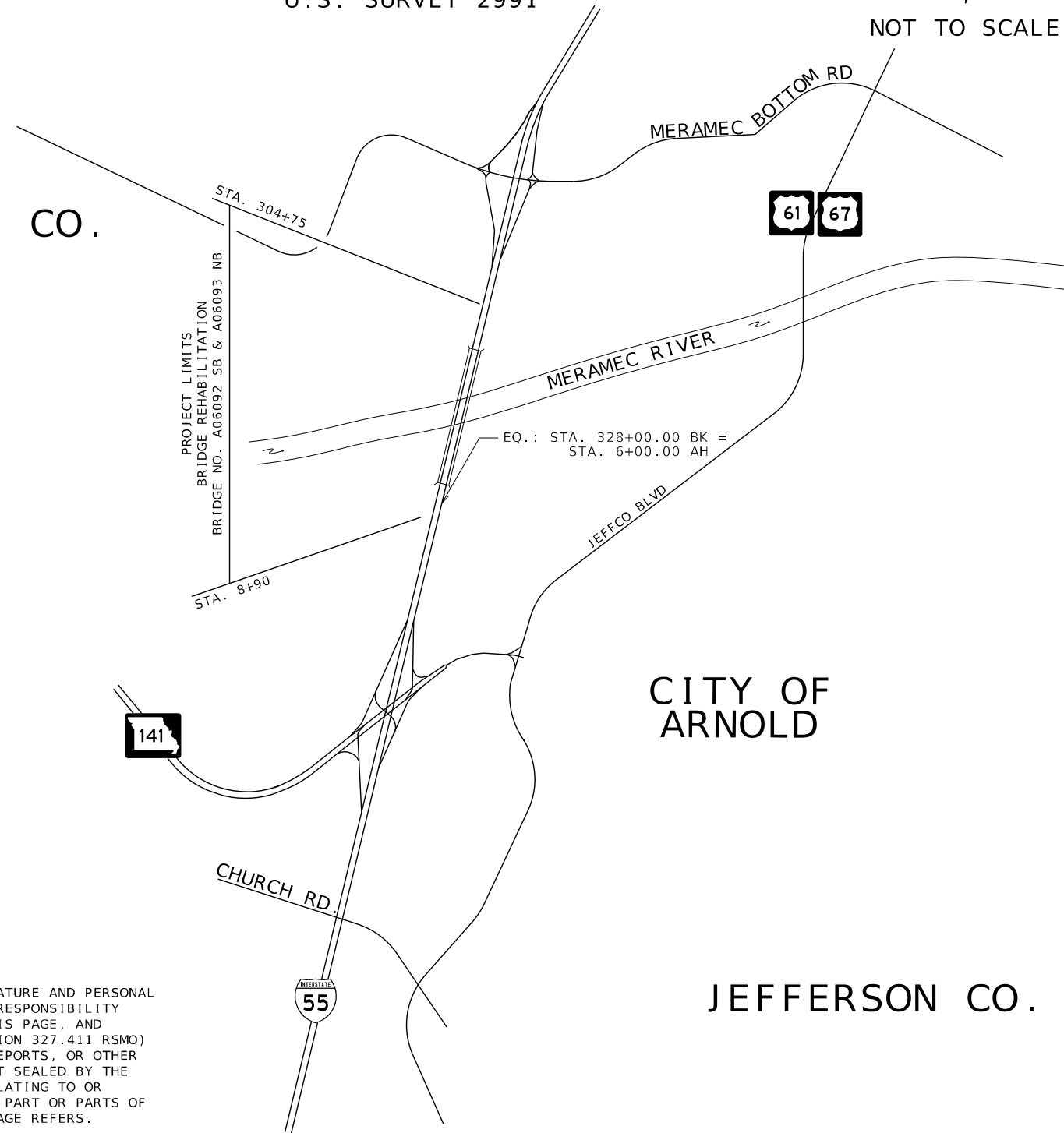
**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 STATE HIGHWAY
 JEFFERSON & ST. LOUIS CO.**

U.S. SURVEY 403
 U.S. SURVEY 1341
 U.S. SURVEY 2991



NOT TO SCALE

ST. LOUIS CO.



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CONVENTIONAL SYMBOLS

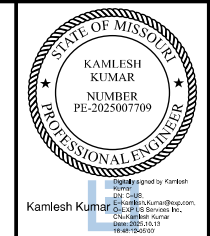
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	----- 1
TYPICAL SECTIONS (TS) (1 SHEET)	---- 2
QUANTITY SHEETS (QU) (4 SHEETS)	---- 3
PLAN SHEETS (PL)	----- 4-6
RIGHT-OF-WAY SHEETS (RW)	----- 7
REFERENCE/COORD POINTS (RP)	----- 8
SPECIAL SHEETS (SS)	----- 9
TRAFFIC CONTROL (TC)	----- 10-59
EROSION CONTROL (EC)	----- 60
PAVEMENT MARKING/SIGNING (PM)	----- 61-63
CROSS SECTIONS (XS)	----- 1-10
BRIDGE DRAWINGS (B)	
A06092	----- 1-32
A06093	----- 1-32



DATE PREPARED 10/13/2025	
ROUTE I-55	STATE MO
DISTRICT SL	SHEET NO. 1
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 304+75
END OF PROJECT	STA. 8+90
APPARENT LENGTH	-29585.00 FEET
EQUATIONS AND EXCEPTIONS:	
EQUATION:	
STA. 328+00.00 BK = STA. 6+00.00 AH = +32200.00	

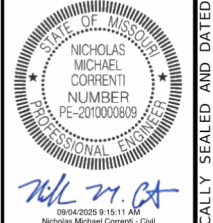
TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	2615.00 FEET
STATE LENGTH	0.495 MILES
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0.4 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

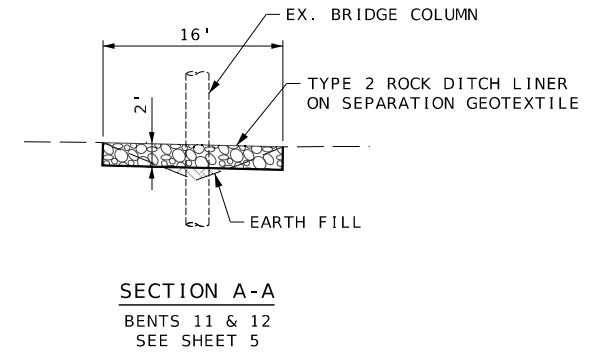
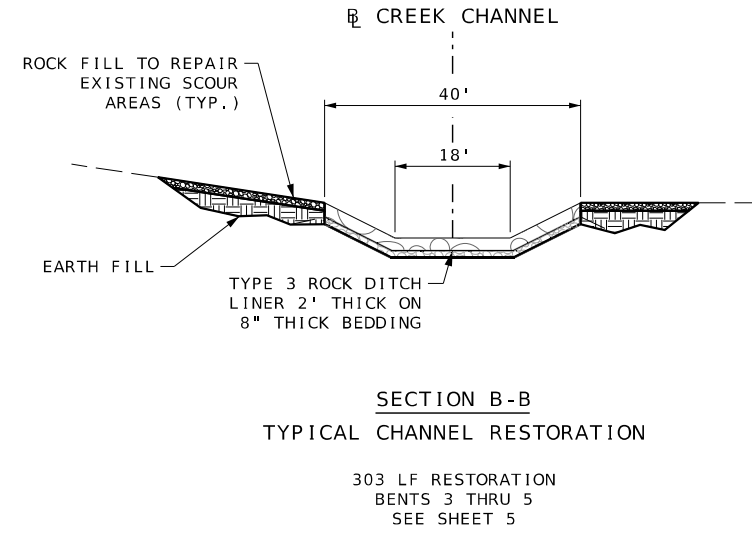
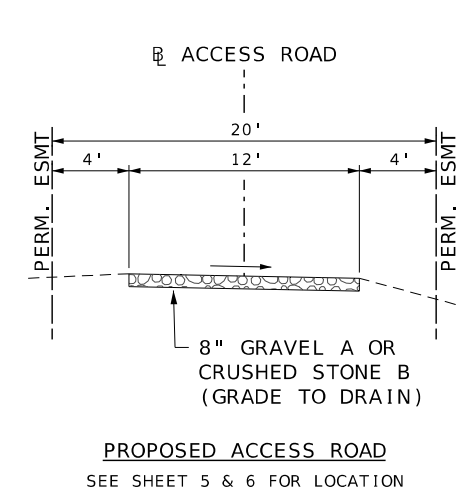
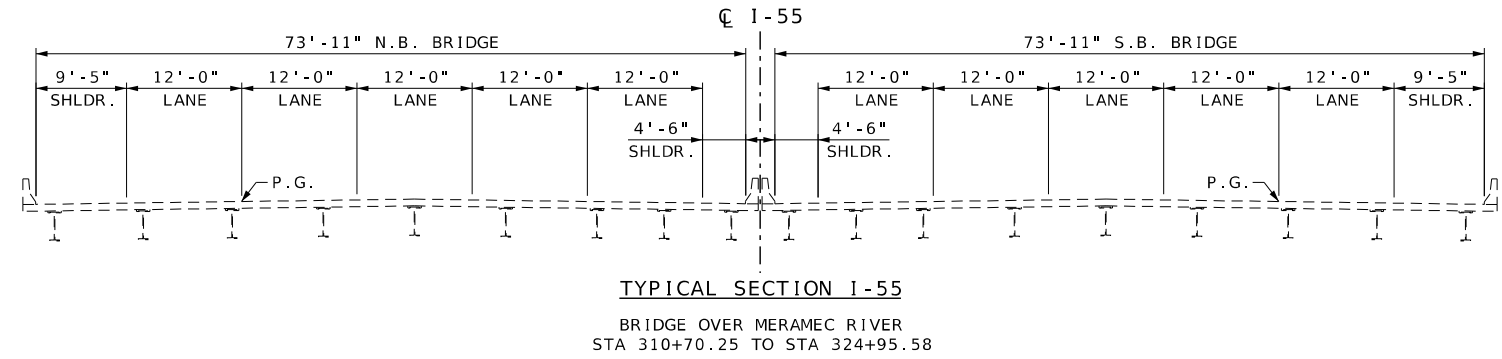
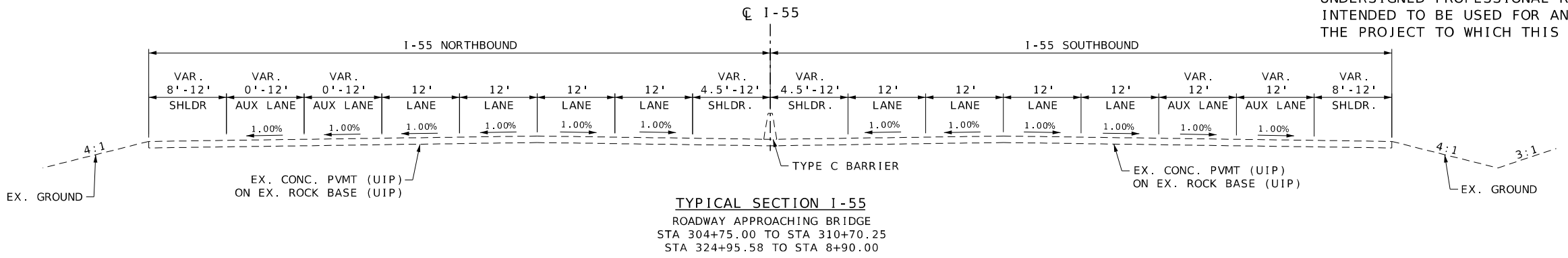
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
 600 Washington Ave.
 Suite 1700
 St. Louis, MO 63101
 t: +1.618.406.2385
 Missouri Certificate of
 Authority: F01144526

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DATE PREPARED	9/4/2025
ROUTE	1-55
STATE	MO
DISTRICT	SL
SHEET NO.	2
COUNTY	ST LOUIS/JEFFERSON
JOB NO.	J613290
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



TYPICAL SECTIONS
 SHEET 1 OF 1

NOT TO SCALE

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

 105 WEST CAPITOL
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 13523 Barrett Parkway Dr
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 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REMOVAL OF IMPROVEMENTS							
SHEET NO	STA	STA	LOC	ROADWAY	L.F.	EACH	DESCRIPTIONS
4-6	304+75	304+85	CL	I-55	10		10' BARRIER BUFFER TO MATCH EXISTING
4-6	309+50	309+60	CL	I-55	10		10' BARRIER BUFFER TO MATCH EXISTING
4-6	326+04	326+14	CL	I-55	10		10' BARRIER BUFFER TO MATCH EXISTING
4-6	8+79	8+89	CL	I-55	10		10' BARRIER BUFFER TO MATCH EXISTING
4-6	304+85	309+50	CL	I-55	465		MEDIAN BARRIER STAGE 1 & 2
4-6	326+14	8+79	CL	I-55	465		MEDIAN BARRIER STAGE 1 & 2
55	303+98		RT	I-55		1	SIGN & POST
55	309+95		RT	I-55		1	SIGN & POST
56	310+82		RT	I-55		1	SIGN & POST
56	324+69		LT	I-55		1	SIGN & POST
56	7+43		LT	I-55		1	SIGN & POST
					SUBTOTAL	970	5
					PAY TOTAL	1 LUMP SUM	

EROSION CONTROL										
SHEET NO	ROADWAY	STA	STA	LOC	SILT FENCE	ROCK DITCH CHECK	SEDIMENT TRAP ROCK	SEDIMENT REMOVAL	REMARKS	
					L.F.	L.F.	C.Y.	C.Y.		
60	I-55	312+51				180		10.0	IN CREEK	
60	I-55	312+51					9.3	10.0	IN CREEK	
60	I-55	311+26	312+09	LT/RT	482			4.8	ALIGN WITH CREEK	
60	I-55	312+55	313+46	LT/RT	537			5.4	ALIGN WITH CREEK	
60	I-55	311+08	313+44	LT	749			7.5	ALIGN WITH PROP. ACCESS ROAD	
60	I-55	311+24	313+77	LT	757			7.7	ALIGN WITH PROP. ACCESS ROAD	
60	I-55	316+68	317+96	LT/RT	454			4.5	BENT 11	
60	I-55	318+19	319+48	LT/RT	454			4.5	BENT 12	
					SUBTOTAL	3433	180	9.3	54.4	
					PAY TOTAL	3433	180	9	54	

GRAVEL (A) OR CRUSHED STONE (B)							
SHEET NO	ROADWAY	STA	STA	LOC	GRAVEL (A) OR CRUSHED STONE (B)	GRAVEL (A) OR CRUSHED STONE (B)	REMARKS
					C.Y.	TONS*	
4-5	I-55	311+13	313+59	RT	222	310.8	8" DEPTH, NEW MATERIAL
					SUBTOTAL	310.8	
					PAY TOTAL	311	

*1.40 TONS/CY

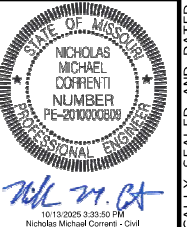
PERMANENT CONCRETE TRAFFIC BARRIER						
SHEET NO	ROADWAY	STA	STA	LOC	CONCRETE TRAFFIC BARRIER BARRIER, TYPE C	REMARKS
					L.F.	
4	I-55	304+75	304+85	CL	10	ADD'L FOR TIE IN AFTER STAGE 4
4	I-55	309+50	309+60	CL	10	ADD'L FOR TIE IN AFTER STAGE 4
6	I-55	326+04	326+14	CL	10	ADD'L FOR TIE IN AFTER STAGE 4
6	I-55	8+79	8+89	CL	10	ADD'L FOR TIE IN AFTER STAGE 4
4	I-55	304+85	309+50	CL	465	(EX. BARR. REMOVED FOR X-OVER)
6	I-55	326+14	8+79	CL	465	(EX. BARR. REMOVED FOR X-OVER)
					SUBTOTAL	970
					PAY TOTAL	970

TEMPORARY CONCRETE TRAFFIC BARRIER									
TC SHEET XX OF 50	ROADWAY	STA	STA	LOC	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURN. / RET.	TEMPORARY TRAFFIC BARRIER STIFFNESS TRAN. SECTION, CONTRACTOR FURN. / RET.	RELOCATING TEMPORARY TRAFFIC BARRIER	REMARKS	
					L.F.	L.F.	L.F.		
13-17	I-55	302+23	311+15	LT/RT	1619			MEDIAN PREP WORK	
13-17	I-55	323+76	10+28	LT/RT	1553			MEDIAN PREP WORK	
18-25	I-55	304+90	307+02.5	CL	247.5			STAGE 1	
18-26	I-55	305+33	8+85	CL	2555.5			STAGE 1	
18-27	I-55	6+27.5	9+46	CL	318.5			STAGE 1	
18-28	I-55	304+90	8+75	CL	2157			STAGE 1	
18-29	I-55	304+90	307+02.5	CL		212.5		STAGE 1	
18-30	I-55	307+37.5	309+50	CL		212.5		STAGE 1	
18-31	I-55	326+15	6+27.5	CL		212.5		STAGE 1	
18-32	I-55	6+62.5	8+75	CL		212.5		STAGE 1	
26-35	I-55	304+92	6+02	CL	2310			STAGE 2	
26-35	I-55	9+47	13+47	CL	400			STAGE 2	
-	I-55	304+75	309+50	CL	175		300	END OF STAGE 2	
-	I-55	326+15	8+75	CL	175		300	END OF STAGE 2	
36-41	I-55	300+16	307+37.5	CL	721			STAGE 3	
36-41	I-55	307+91	9+94	CL	2405.5			STAGE 3	
36-41	I-55	6+62.5	8+75	CL	247.5			STAGE 3	
36-41	I-55	304+90	8+75	CL	2162			STAGE 3	
36-41	I-55	304+90	307+02.5	CL		212.5		STAGE 3	
36-41	I-55	307+37.5	309+50	CL		212.5		STAGE 3	
36-41	I-55	326+15	6+27.5	CL		212.5		STAGE 3	
36-41	I-55	6+62.5	8+75	CL		212.5		STAGE 3	
42-48	I-55	299+25	322+35	CL	2310			STAGE 4	
-	I-55	304+75	309+50	CL	175		300	END OF STAGE 4 (1)	
-	I-55	326+15	8+75	CL	175		300	END OF STAGE 4 (1)	
13-17	I-55	302+23	311+15	LT/RT	1619			CONC. BARRIER REPLACEMENT	
13-17	I-55	323+76	10+28	LT/RT	1553			CONC. BARRIER REPLACEMENT	
					SUBTOTAL	22878.5	1700.0	1200.0	
					PAY TOTAL	22880	1700	1200	

(1) TEMP. BARRIER IS NEEDED IF CONTRACTOR DOES NOT REPLACE CONCRETE MEDIAN BARRIER DURING SEASON 2. TEMP. BARRIER IS NOT NEEDED IF CONTRACTOR PROCEEDS DIRECTLY TO REPLACEMENT OF CONCRETE MEDIAN BARRIER WITHIN SEASON 2.

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SUMMARY OF QUANTITIES
SHEET 1 OF 4



DATE PREPARED
10/13/2025

ROUTE STATE
I-55 MO

DISTRICT SHEET NO.
SL 3

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102

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Missouri Certificate of Authority: 001578

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DATE PREPARED
 9/4/2025
 ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 3

COUNTY
 ST LOUIS/JEFFERSON
 JOB NO.
 J613290
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

PERMANENT PAVEMENT MARKING											
SHEET NO	ROADWAY	STA	STA	LOC	CLASS 2 PAVEMENT MARKING (25-MIL, TYPE L BEADS)					PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 - INCH X 24 - INCH SQUARE EA.	REMARKS
					6 - INCH SOLID YELLOW	6 - INCH SOLID WHITE	6 - INCH INTERM. WHITE	6 - INCH DOTTED WHITE	12 - INCH DOTTED WHITE		
					L.F.	L.F.	L.F.	L.F.	L.F.		
56-57	I-55	293+00	23+00	LT/RT	10400	10991	13255				
56-57	I-55	297+82	302+62	RT				439			
56-57	I-55	300+03	303+50	LT				115			
56-57	I-55	9+91	23+00	LT				160			
56-57	I-55	311+26	16+36	LT					904		
56-57	I-55	322+15		RT					5		MSHP SPEED CHECK BLOCKS
56-57	I-55	6+75		RT					5		MSHP SPEED CHECK BLOCKS
56-57	I-55	324+00		LT					5		MSHP SPEED CHECK BLOCKS
56-57	I-55	8+60		LT					5		MSHP SPEED CHECK BLOCKS
SUBTOTAL					10400	10991	13255	714	904	20	
PAY TOTAL					10400		24960		904	20	

*DOTTED PAVEMENT MARKING SHALL BE 3' LINES WITH 9' GAPS

TEMPORARY PAVEMENT MARKING							
TC SHEET NO XX OF 45	ROADWAY	STA	STA	LOC	PAVEMENT MARKING REMOVAL	4 - INCH TEMPORARY PAVEMENT MARKING PAINT	REMARKS
					L.F.	L.F.	
15-22	I-55	295+00	21+00	LT/RT	21754		REMOVAL OF EXISTING 6 INCH MARKINGS
15-22	I-55	295+00	21+00	LT/RT		46265	STAGE 1
15-22	I-55	295+00	21+00	LT/RT	15956		STAGE 1 TEMP. PAINT REMOVAL
23-32	I-55	295+00	21+00	LT/RT		13523	STAGE 2
23-32	I-55	295+00	21+00	LT/RT	48702		STAGE 2 TEMP. PAINT REMOVAL
-	I-55	295+00	21+00	LT/RT		31441	WINTER SEASON, RESTORE TO EXISTING
-	I-55	295+00	21+00	LT/RT	31441		REMOVE WINTER STRIPING
33-38	I-55	295+00	21+00	LT/RT		44882	STAGE 3
33-38	I-55	295+00	21+00	LT/RT	17675		STAGE 3 TEMP. PAINT REMOVAL
39-45	I-55	295+00	21+00	LT/RT		11396	STAGE 4
39-45	I-55	295+00	21+00	LT/RT	37964		STAGE 4 TEMP. PAINT REMOVAL
-	I-55	295+00	21+00	LT/RT		31441	WINTER SEASON, RESTORE TO EXISTING
SUBTOTAL					173492	178948	
PAY TOTAL					173492	178948	

LINEAR GRADING							
SHEET NO	ROADWAY	LOC	STA	STA	LINEAR GRADING CLASS 1	MODIFIED LINEAR GRADING CLASS 2	REMARKS
					STA.	STA.	
5	I-55	LT	-	-		5.00	EXISTING ACCESS ROAD
5	I-55	LT	311+13	313+59		7.70	PROPOSED ACCESS ROAD
5	I-55	LT/RT	312+13	313+23		3.70	CREEK
5	I-55	LT/RT	317+34		1.78		BENT 11
5	I-55	LT/RT	318+87		1.78		BENT 12
SUBTOTAL					3.6	16.4	
PAY TOTAL					3.6	16.4	

ROCK																
SHEET NO	ROADWAY	STA	STA	LOC	FURNISHING TYPE 2 ROCK DITCH LINER (2')	PLACING TYPE 2 ROCK DITCH LINER (2')	FURNISHING TYPE 3 ROCK DITCH LINER (2')	PLACING TYPE 3 ROCK DITCH LINER (2')	FURNISHING ROCK FILL	FURNISHING ROCK FILL	PLACING ROCK FILL	PLACING ROCK FILL	FURNISHING TYPE 2 ROCK BLANKET	PLACING TYPE 2 ROCK BLANKET	PERMANENT EROSION CONTROL GEOTEXTILE	REMARKS
					C.Y.	C.Y.	C.Y.	C.Y.	C.Y. (1)	TONS	C.Y. (1)	TONS	C.Y.	C.Y.	S.Y.	
5	I-55	312+21	312+41	RT									27	27	40	END OF PAVED DITCH
5	I-55	312+31	312+71	LT/RT			891	891								CREEK
5	I-55	312+13	313+22	LT/RT					457	663	457	663				CREEK
5	I-55	316+84	317+83	LT/RT	208	208									313	BENT 11
5	I-55	318+37	319+36	LT/RT	208	208									313	BENT 12
SUBTOTAL					416	416	891	891	457	663	457	663	27	27	666	
PAY TOTAL					416	416	891	891		663		663	27	27	666	

(1) ROCK FILL CONVERSION FACTOR:
 1.45 T/CY

REMOVE, STORE, AND REINSTALL EXISTING SIGN					
SHEET NO	ROADWAY	STA	LOC	REMOVE, STORE, AND REINSTALL EXISTING SIGN	REMARKS
				EA.	
56	I-55	321+77	LT	1	ENTERING ST. LOUIS COUNTY
56	I-55	321+86	RT	1	ENTERING JEFFERSON COUNTY
SUBTOTAL				2	
PAY TOTAL				2	

EARTH WORK [FOR INFORMATION ONLY]				
SHEET NO	ROADWAY	STA	UNCLASSIFIED EXCAVATION	COMPACTING EMBANKMENT
			C.Y.	C.Y.
X5	I-55	-	1671	278

*TOTAL IS APPROXIMATE FOR BIDDING PURPOSES, EARTHWORK IS PAID FOR UNDER MODIFIED LINEAR GRADING CLASS 2

SUMMARY OF QUANTITIES
 SHEET 2 OF 4

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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DRAINAGE									
SHEET NO	ROADWAY	STA	LOC	WELD/ UNWELD DRAINAGE GRATES	CULVERT CLEANOUT	MISC. INLET TOP REPLACEMENT	MISC. GRATE & BEARING PLATE REPLACEMENT	ADJUSTING BASIN OR INLET	REMARKS
				EA.	EA.	EA.	EA.	EA.	
4-6	I-55		LT/RT			4	4	4	LOCATIONS TO BE DETERMINED BY THE ENGINEER
4	I-55	303+04	LT/RT	2	4				CULVERT CLEANOUTS BEFORE GRATE WELDING, AND AFTER UNWELDING
4	I-55	306+70	LT/RT	2	4				CULVERT CLEANOUTS BEFORE GRATE WELDING, AND AFTER UNWELDING
4	I-55	325+49	LT/RT	2	4				CULVERT CLEANOUTS BEFORE GRATE WELDING, AND AFTER UNWELDING
5	I-55	327+25	LT/RT	2	4				CULVERT CLEANOUTS BEFORE GRATE WELDING, AND AFTER UNWELDING
6	I-55	9+03	LT/RT	2	4				CULVERT CLEANOUTS BEFORE GRATE WELDING, AND AFTER UNWELDING
SUBTOTAL				10	20	4	4	4	
PAY TOTAL				10	20	4	4	4	

MOBILIZATION	1 LUMP SUM
ADDITIONAL MOBILIZATION FOR SEEDING	2 EACH
CONTRACTOR FURNISHED SURVEYING AND STAKING	1 LUMP SUM
REMOVE RIVER DEBRIS - MERAMEC RIVER	1 LUMP SUM
REMOVE RIVER DEBRIS - CREEK	1 LUMP SUM
TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING	1 LUMP SUM
DEWATERING	1 LUMP SUM

CLEARING & GRUBBING, SEEDING				
SHEET NO	ROADWAY	LOC	CLEARING & GRUBBING	MISC. SEEDING AND MULCHING - COOL SEASON GRASSES
			ACRE.	L.S.
4-6	I-55	LT	1	
4-6	I-55	RT		1
SUBTOTAL			1	1
PAY TOTAL			1	1

ASPHALT WEDGING AT BARRIER										
SHEET NO	ROADWAY	STA	STA	LOC	SP125C PG 76-22	BP-1 PG 64-22	TACK COAT (NON-TRACKING)	MODIFIED COLD MILLING DEPTH TRANSITION	COLD MILLING FOR REMOVAL OF SURFACING 3 IN. THICK OR LESS	REMARKS
					TONS	TONS	GAL.	S.Y.	S.Y.	
4-6	I-55	304+85	309+50	LT/RT	77.4	103.3	123.3	948.3	948.3	
4-6	I-55	326+14	8+79	LT/RT	65.9	87.8	104.9	807.0	807.0	
SUBTOTAL					143.3	191.1	228.2	1755.3	1755.3	
PAY TOTAL					143.3	191.1	228	1755	1755	

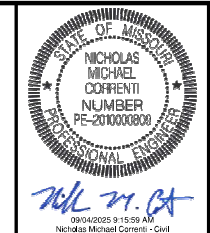
APPLICATION RATES
 SP125C: 1.96 T/CY
 BP-1: 1.96 T/CY
 TACK COAT: 0.13 GAL/SY

TEMPORARY TRAFFIC CONTROL [NON LUMP SUM]										
	EA.	EA.	EA.	EA.	L.S.	EA.	L.F.	L.F.	L.F.	EA.
I-55 STAGE 1	1		1							
I-55 STAGE 2		14	1	1						20
I-55 STAGE 3	1		1							
I-55 STAGE 4		14	1	1						20
ROUTE 141										
BARRIER REMOVAL: MEDIAN PREP WORK	4									
BARRIER REMOVAL: CONC. BARRIER REPLACE	4	14			1					
END OF SEASON 1 MEDIAN OPENING PROTECTION										600
END OF SEASON 2 MEDIAN OPENING PROTECTION										600
PAY TOTAL	10	42	4	2	1	6	**	**	**	40

**SEE TEMPORARY CONCRETE TRAFFIC BARRIER TABLE ON QUANTITY SHEET 1
 THESE ITEMS ARE NOT INCLUDED IN LUMP SUM TRAFFIC CONTROL

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SUMMARY OF QUANTITIES
 SHEET 3 OF 4



DATE PREPARED
 9/4/2025
 ROUTE I-55 STATE MO
 DISTRICT SL SHEET NO. 3

COUNTY
 ST LOUIS/JEFFERSON
 JOB NO.
 J613290
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TEMPORARY TRAFFIC CONTROL [LUMP SUM]

	WO1-4L: REVERSE CURVE (SYMBOL LEFT)	WO1-4R: REVERSE CURVE (SYMBOL RIGHT)	WO1-4BL: DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	WO1-4BR: DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	WO1-7a: DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	WO3-4: BE PREPARED TO STOP	WO3-5: SPEED LIMIT AHEAD	WO4-1R: MERGE (SYMBOL FROM RIGHT)	WO4-1aL: MERGE (LEFT)	WO4-1aR: MERGE (RIGHT)	WO4-3L: MERGE FROM LEFT	WO4-3R: MERGE FROM RIGHT	WO5-1: ROAD / BRIDGE / RAMP NARROWS	WO5-5: NARROW LANES	WO8-15P: MOTORCYCLE PLAQUE	WO20-1: ROAD / BRIDGE / RAMP WORK AHEAD	WO20-2: DETOUR AHEAD	WO20-5a: RIGHT / CENTER / LEFT LANES CLOSED AHEAD	WO20-5b: 2 RIGHT / CENTER / LEFT LANES CLOSED AHEAD	WO20-6a: RIGHT / CENTER / LEFT LANE CLOSED	WO21-5: SHOULDER WORK / SHOULDER WORK AHEAD	6022-1: WET PAINT (ARROW PIVOTS)	E05-1: GORE EXIT	E05-2: EXIT OPEN	6020-1: ROAD WORK NEXT XX MILES	6020-2: END ROAD WORK	G020-5aP: WORK ZONE (PLAQUE)	R1-2: END DETOUR	R1-2: YIELD	R2-1: SPEED LIMIT XX	R4-1: DO NOT PASS			
16	16	16	16	18	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2.19	12	12	10	8	6	3	6.93	12	12			
1-55 STAGE 1	2	3	2	4	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
1-55 STAGE 2			2	4	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
1-55 STAGE 3	2	3		1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
1-55 STAGE 4	1		2	2		4	2	1	2						4	2	4																8	
DETOUR 141																2																	8	
DETOUR MERAMEC BOTTOM																2																	8	
MEDIAN PREP WORK / CONC. BARRIER REPLACE						4			2						4		4		2								4						4	
TC: BEGIN END PROJECT																									2	2							4	2
TC: LANE CLOSURE / SHLDR WORK										1						2		2		1	2							4				4	2	
TC: PAVEMENT MARKING OPERATION																1		1															4	
TC: DBL INTERIOR LANE CLOSURE			1	1					2	2						2	3	2	2	3						2						4	4	
TC: DBL LANE CLOSURE								2	2							2	2	3	3	1						2						4	4	
TC: TRIPLE LANE CLOSURE								3	3							3	2	3							3							4	4	
TC: ENTRANCE RAMP						1										3										3						5	4	
TC: EXIT RAMP																																	4	4
MAXIMUM NEEDED	2	3	2	4	1	1	4	2	3	3	1	1	2	4	2	4	2	4	3	3	2	1	1	1	2	2	2	2	1	1	8	8	2	

TEMPORARY TRAFFIC CONTROL [LUMP SUM]

	R4-2: PASS WITH CARE	R11-2: ROAD CLOSED	CONST-3A: FINE SIGN	CONST-3X: SPEEDING / PASSING (PLATE)	CONST-8: WORK ZONE NO PHONE ZONE	R4-9: STAY IN LANE	WO24-1: ALL LANES	SPECIAL: RUMBLE STRIPS AHEAD	SPECIAL: 141 EXIT	SPECIAL: MERAMEC BOTTOM ROAD EXIT	SPECIAL: DETOUR 1-55 NORTH (STRAIGHT ARROW)	SPECIAL: DETOUR 1-55 NORTH (RIGHT ARROW)	SPECIAL: DETOUR 1-55 NORTH (LEFT ARROW)	SPECIAL: DETOUR 1-55 NORTH (ADV. RIGHT ARROW)	SPECIAL: DETOUR 1-55 NORTH (ADV. LEFT ARROW)	SPECIAL: DETOUR 1-55 NORTH (ADV. 45 DEGREE RIGHT)	SPECIAL: DETOUR 1-55 SOUTH (STRAIGHT ARROW)	SPECIAL: DETOUR 1-55 SOUTH (RIGHT ARROW)	SPECIAL: DETOUR 1-55 SOUTH (LEFT ARROW)	SPECIAL: DETOUR 1-55 SOUTH (ADV. RIGHT ARROW)	SPECIAL: DETOUR 1-55 SOUTH (ADV. LEFT ARROW)	SPECIAL: DETOUR 1-55 SOUTH (45 DEGREE RIGHT)	SPECIAL: DETOUR 1-55 SOUTH (ADV. 45 DEGREE RIGHT)	TOTAL SF CONSTRUCTION SIGNS	TRUCK MOUNTED ATTENUATOR (TMA)	CHANNELIZER: TRIM LINE	TYPE 3 MOVEABLE BARRICADE	DIRECTIONAL INDICATOR BARRICADE	FLASHING ARROW PANEL	TUBULAR MARKER				
12	10	20	4.67	12	8	6	16	56	56	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	1945	*			
1-55 STAGE 1					5	5	2	1																		240	30	20	8	40				
1-55 STAGE 2					5	5	2	1																	430	30	30	8	50					
1-55 STAGE 3					4	5	2	1	1																170	30	20	8	40					
1-55 STAGE 4					4		2		1	10	2	1	1	1	1	1								400	30	40	8	20						
DETOUR 141		2																																
DETOUR MERAMEC BOTTOM		2															1	1	3	1	3	1	1	1										
MEDIAN PREP WORK / CONC. BARRIER REPLACE																																		
TC: BEGIN END PROJECT					2																													
TC: LANE CLOSURE / SHLDR WORK	2		2	2																						1								
TC: PAVEMENT MARKING OPERATION																																		
TC: DBL INTERIOR LANE CLOSURE																																		
TC: DBL LANE CLOSURE																																		
TC: TRIPLE LANE CLOSURE																																		
TC: ENTRANCE RAMP																																		
TC: EXIT RAMP																																		
MAXIMUM NEEDED	2	2	2	2	2	5	5	2	1	1	10	2	1	1	1	1	1	3	1	3	1	1	1	1	2	430	30	40	8	150				


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NOTES:
 ALL TRAFFIC CONTROL ITEMS INCLUDED IN PAY ITEM 616-99.01 TEMPORARY TRAFFIC CONTROL, LUMP SUM, UNLESS NOTED OTHERWISE IN THE PLANS, THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.
 SIGN QUANTITIES HAVE BEEN ESTIMATED. TEMPORARY TRAFFIC CONTROL SHALL FOLLOW AT A MINIMUM MUTCD STANDARDS, LATEST EDITION.
 ALL WARNING SIGNS SHALL HAVE FLORESCENT SHEETING.

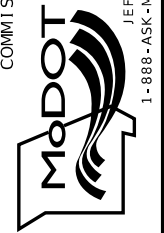
LUMP SUM TEMPORARY TRAFFIC CONTROL 1 LUMP SUM

SUMMARY OF QUANTITIES
 SHEET 4 OF 4


* NO DIRECT PAY WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNING OR DEVICES.



DATE PREPARED: 9/4/2025
 ROUTE: I-55, STATE: MO, DISTRICT: SL, SHEET NO.: 3
 COUNTY: ST LOUIS/JEFFERSON
 JOB NO.: J613290
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

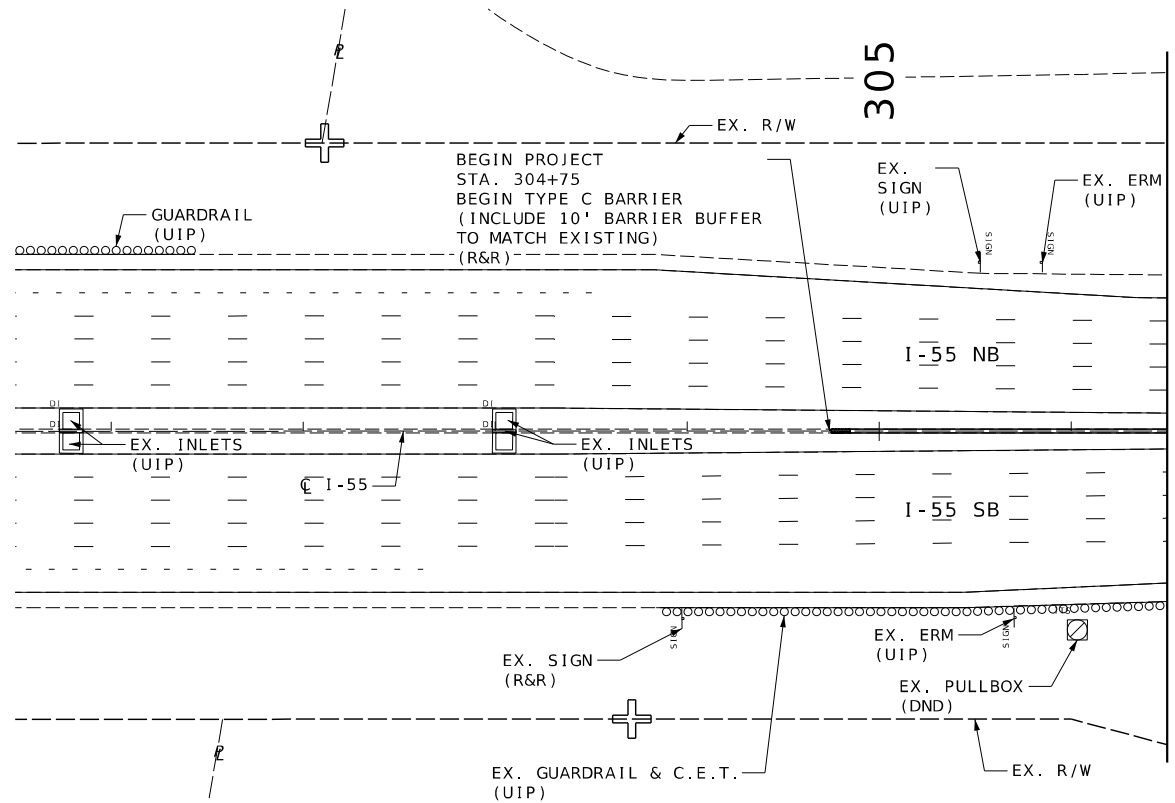
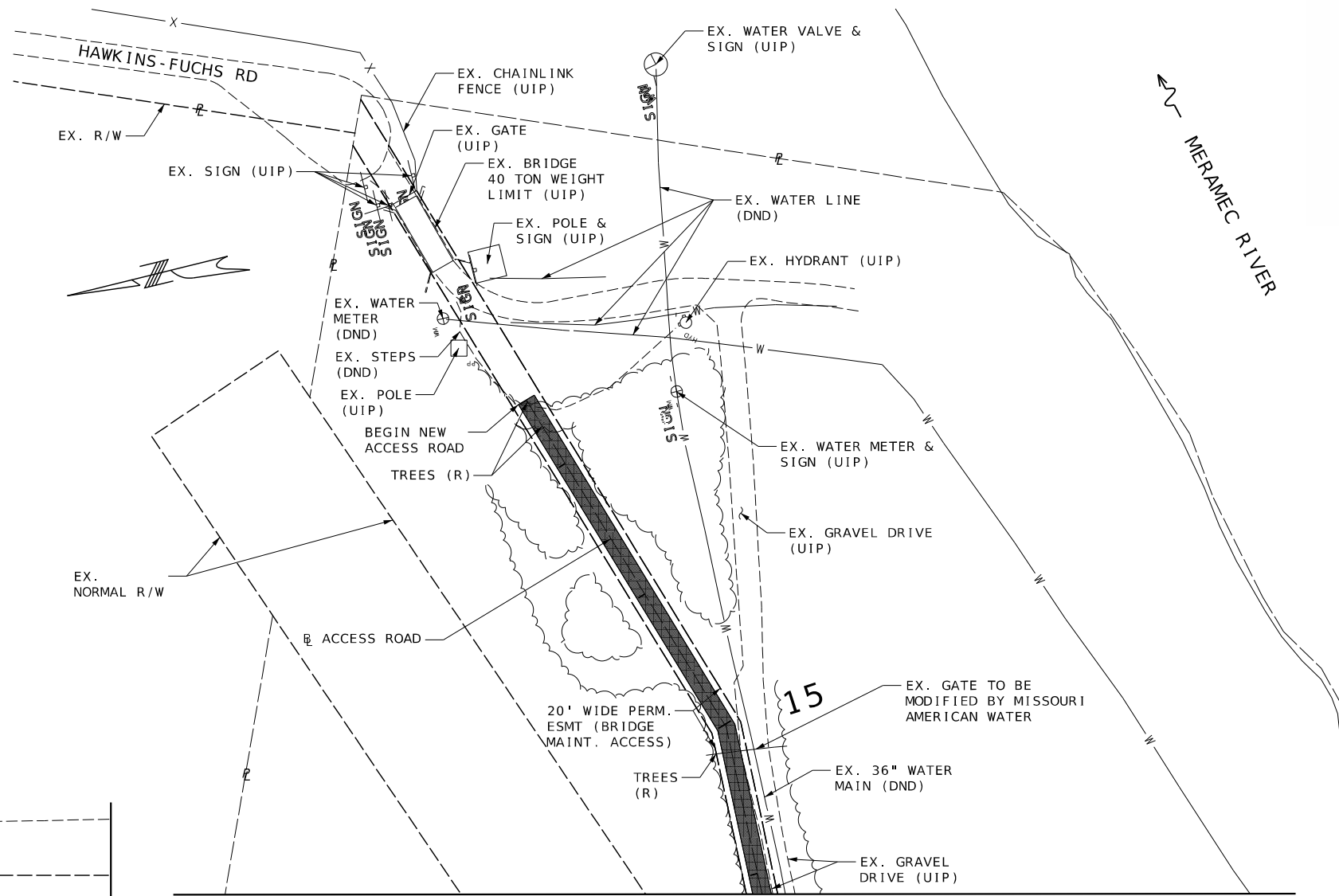


13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
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Phone 314-394-3100
 Fax 314-394-3199






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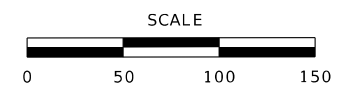
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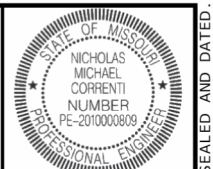
MATCHLINE STA. 306+50
SEE SHEET 5

LEGEND

-  BRIDGE WORK
-  12' WIDE GRAVEL (A) OR CRUSHED STONE (B)
-  TYPE 2 ROCK BLANKET 2' THICK
-  TYPE 2 OR 3 ROCK DITCH LINER 2' THICK
-  ROCK FILL



PLAN SHEET
SHEET 1 OF 3



N.M.C.
 10/13/2025 3:34:16 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED
10/13/2025

ROUTE I-55	STATE MO
DISTRICT SL	SHEET NO. 4

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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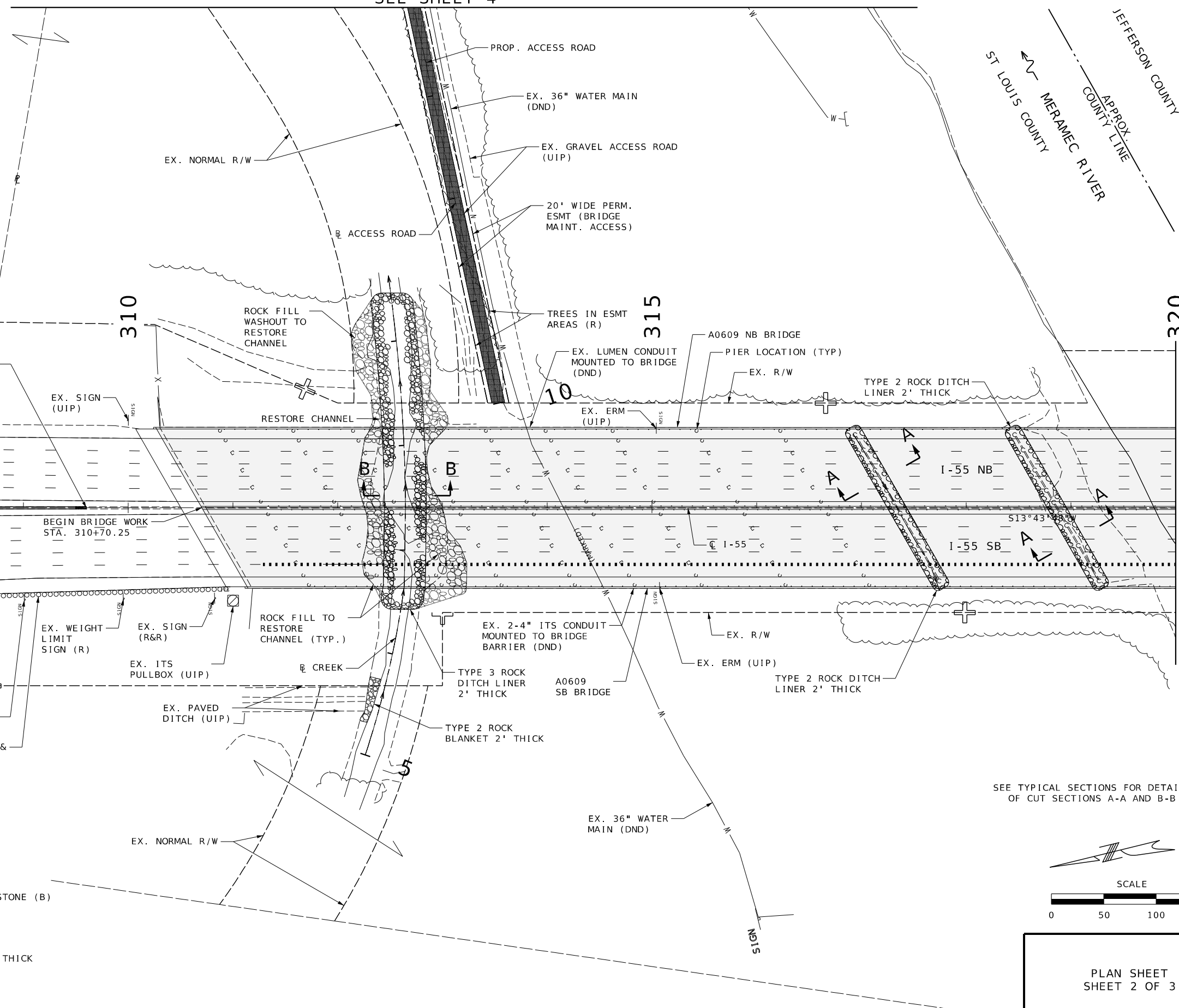
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MATCHLINE
SEE SHEET 4

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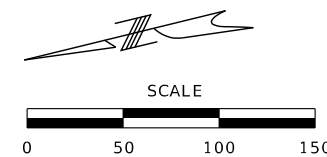
MATCHLINE STA. 306+50
SEE SHEET 4

MATCHLINE STA. 320+00
SEE SHEET 6



- LEGEND
- BRIDGE WORK
 - 12' WIDE GRAVEL (A) OR CRUSHED STONE (B)
 - TYPE 2 ROCK BLANKET 2' THICK
 - TYPE 2 OR 3 ROCK DITCH LINER 2' THICK
 - ROCK FILL

SEE TYPICAL SECTIONS FOR DETAILS
OF CUT SECTIONS A-A AND B-B



PLAN SHEET
SHEET 2 OF 3



DATE PREPARED
10/13/2025

ROUTE
I-55

STATE
MO

DISTRICT
SL

SHEET NO.
5

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Civil Engineering Design
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Phone 314-394-3100
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Missouri Certificate of Authority: 001578

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THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

GENERAL NOTES:

1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
2. ALL BEARINGS BASED ON MISSOURI STATE PLANE EASTERN ZONE.

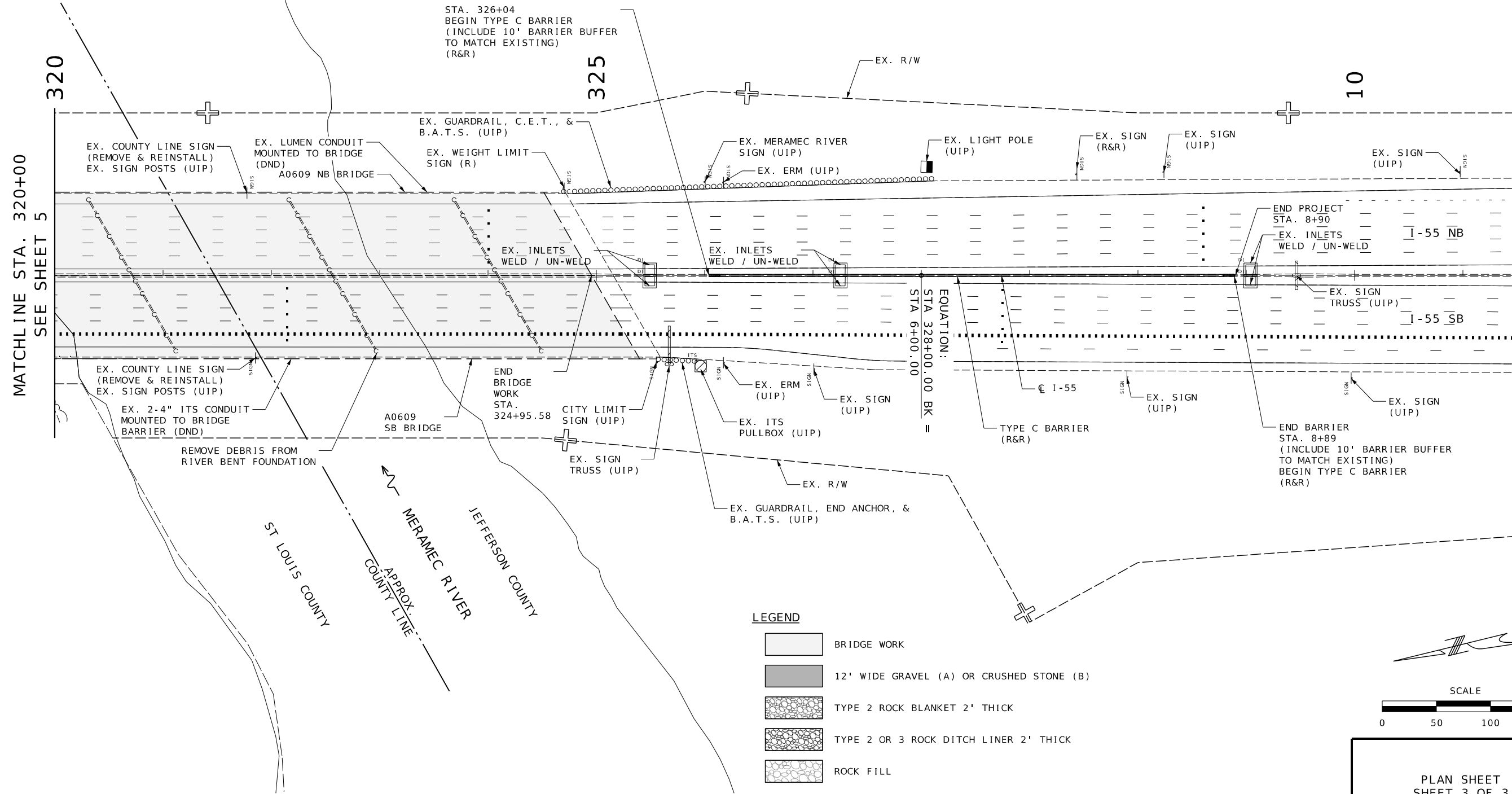
ABBREVIATIONS -

- ERM - EMERGENCY REFERENCE MARKER
- UIP - USE IN PLACE
- DND - DO NOT DISTURB
- R - REMOVE
- R&R - REMOVE AND REPLACE
- CET - CRASHWORTHY END TERMINAL
- BATS- BRIDGE APPROACH TRANSITION SECTION

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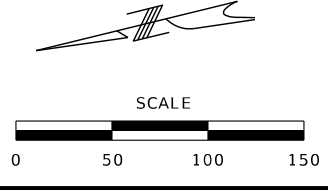
DATE PREPARED 10/15/2025	
ROUTE I-55	STATE MO
DISTRICT SL	SHEET NO. 6
COUNTY ST LOUIS/JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



PLAN SHEET SHEET 3 OF 3

EFK Moen
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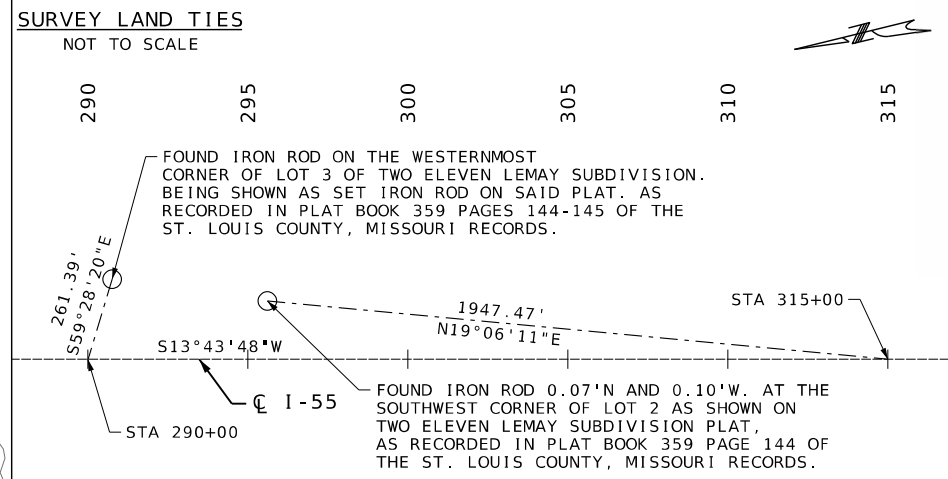
GEITZ WILFRED W GST TRUST ETAL
 6533 HAWKINS RD.
 LOC. 32L220073
 (NO ACQUISITION)

US SURVEY 403
 EX. GRAVEL DRIVE (UIP)
 WATER METER (DND)
 STEPS (DND)
 POLE (UIP)
 BEGIN NEW ACCESS ROAD
 TREES IN ESMT AREAS (R)

ST LOUIS COUNTY CATHOLIC CHURCH REAL
 6551 HAWKINS RD.
 LOC. 33L540020
 (NO ACQUISITION)

MISSOURI AMERICAN WATER CO
 BK 06399 PG 0289
 6575 HAWKINS RD.
 LOC. 33L530087

WALTER JOHN M & NADINE A H/W ETAL
 6550 KRUMM RD. & 6570 KRUMM RD.
 LOC. 33L530043 & 33L530065
 (NO ACQUISITION)



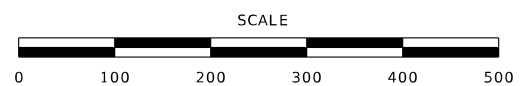
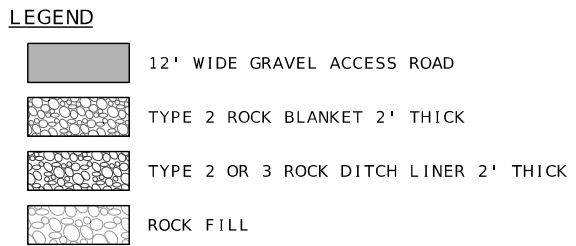
GENERAL NOTES:
 1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
 2. ALL BEARINGS BASED ON MISSOURI STATE PLANE EASTERN ZONE.
 3. SEE TYPICAL SECTIONS SHEET FOR SECTION CUTS A-A & B-B.

ABBREVIATIONS -
 UIP - USE IN PLACE
 DND - DO NOT DISTURB
 R - REMOVE

PARCEL 1 (PERM. ESM'T.)				
POINT	STATION	OFFSET	BEARING	DISTANCE
B	313+63.45	100.00' LT		
			N13°43'48"E	20.45'
G	313+43.00	100.00' LT		
			S88°18'29"E	493.86'
H	312+40.00	583.00' LT		
			N72°22'10"E	450.60'
I	310+05.50	967.78' LT		
			S66°32'37"E	8.09'
J	310+06.86	975.75' LT		
			S66°32'37"E	22.34'
K	310+10.64	997.77' LT		
			S72°22'10"W	476.95'
C	312+58.85	590.50' LT		
			N88°18'29"W	501.53'
B	313+63.45	100.00' LT		

ST LOUIS COUNTY
 6501 KRUMM RD.
 LOC. 32L120032
 (NO ACQUISITION)

US SURVEY 1341



RIGHT OF WAY PLAN
 SHEET 1 OF 1



DATE PREPARED
 10/13/2025

ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 7

COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

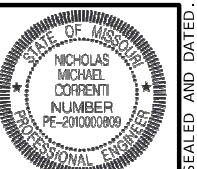
EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	MODIFIED STATE PLANE
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOD 18US
ELEVATIONS DETERMINED BY	MODOT GNSS
PROJECT PROJECTION FACTOR	1.0000878
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	
CONTROL STATION	
DESIGNATION	MOS 1
CORS_ID	
PID	
LATITUDE	N 38° 33' 44.23061"
LONGITUDE	W 90° 27' 40.90237"
NORTHING (M)	993,579.17
EASTING (M)	831,256.12
ZONE	EAST
PROJECT AVERAGE GRID FACTOR	0.99991221
EXAMPLE OF PROJECT COORDINATE TO S.P.C.	
PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING	
PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING	
EXAMPLE: CONTROL POINT #SL-86 N 956816.043 X 0.99991221 = N 956732.0441 E 856570.492 X 0.99991221 = E 856495.2937	
LINEAR UNIT CONVERSION	
1 METER = 3.280833333 US SURVEY FEET (USFT)	

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
		I-55		956,816.04	856,570.49	441.93	DNR GRS ALUMINUM DISK	SL-86
ALIGNMENTS								
	160+32.30	I-55	CL	967989.014	863022.209		BEGIN STATION	
	272+66.17	I-55	CL	958522.954	856972.946		PC	
	279+11.20	I-55	CL	957979.428	856625.607		HPI	
	285+44.57	I-55	CL	957352.829	856472.511		PT	
	328+00.00	I-55	CL	953219.003	855462.501		BACK STATION	
	6+00.00	I-55	CL				AHEAD STATION	
	30+00.00	I-55	CL	950887.583	854892.869		HPI	
	95+35.55	I-55	CL	944538.784	853341.679		PC	
	100+48.69	I-55	CL	944040.301	853219.885		HPI	
	105+61.67	I-55	CL	943547.662	853076.267		PT	
	01,000.00	ACCESS ROAD	BL	954600.701	855903.034		BEGIN ACCESS ROAD	
	14+97.69	ACCESS ROAD	BL	954586.007	856400.509		HPI	
	17+48.71	ACCESS ROAD	BL	954662.035	856639.737		END ACCESS ROAD	
	5+00.00	CREEK	BL	954803.838	855606.803		BEGIN CREEK	
	5+81.51	CREEK	BL	954760.733	855675.978		HPI	
		CREEK	BL	955581.308	856091.268		CC	
	6+62.58	CREEK	BL	954730.518	855751.677		PCC	
	6+65.72	CREEK	BL	954729.356	855754.588		HPI	
		CREEK	BL	954776.956	855770.212		CC	
	6+68.85	CREEK	BL	954728.567	855757.622		PT	
	7+44.45	CREEK	BL	954709.531	855830.787		PC	
	8+53.90	CREEK	BL	954684.736	855937.396		HPI	
		CREEK	BL	956370.586	856217.106		CC	
	9+63.06	CREEK	BL	954673.774	856046.301		END CREEK	



N.M. Correnti

10/13/2025 5:30:53 PM
Nicholas Michael Correnti - CIV
MO PE-2010000809

DATE PREPARED
10/13/2025

ROUTE
I-55

STATE
MO

DISTRICT
SL

SHEET NO.
8

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT logo

EFK Moen

Civil Engineering Design

13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021

Phone 314-394-3100
Fax 314-394-3199

Missouri Certificate of Authority: 001578

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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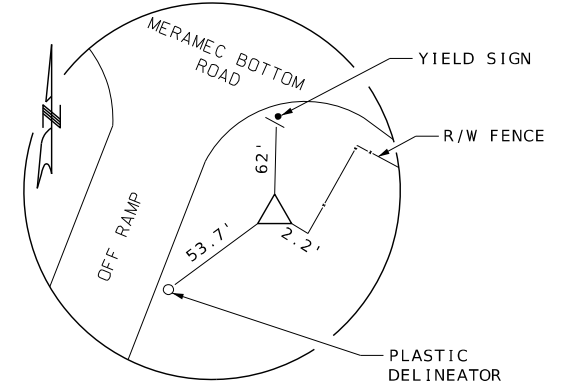
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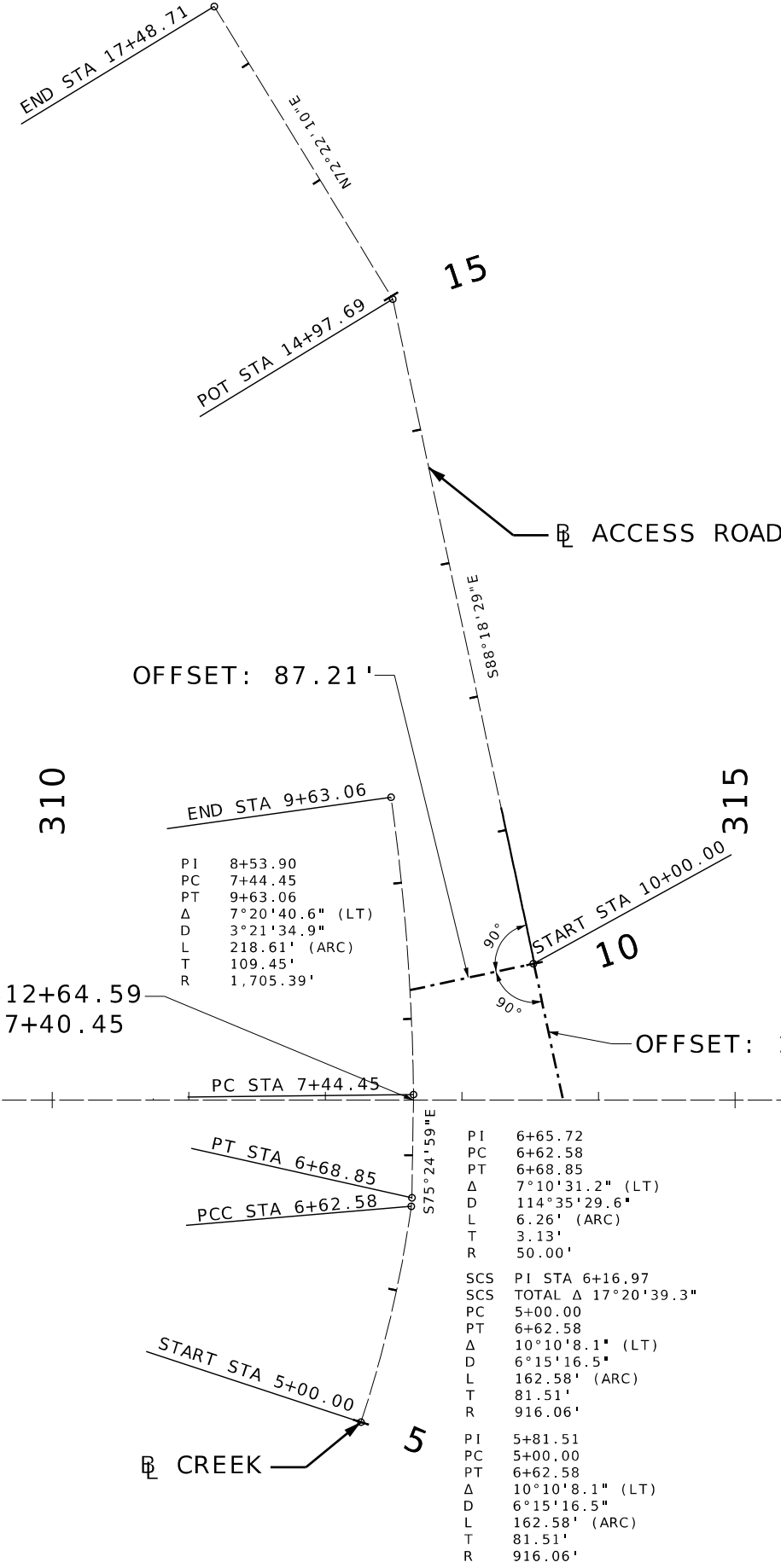
CONTROL POINT SL-86
ALUMINUM DISK
N: 956816.043
E: 856570.492
EL: 441.93

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REFERENCE
COORDINATE POINTS
SHEET 1 OF 1

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NOT TO SCALE



PI 8+53.90
 PC 7+44.45
 PT 9+63.06
 Δ 7°20'40.6" (LT)
 D 3°21'34.9"
 L 218.61' (ARC)
 T 109.45'
 R 1,705.39'

PI 6+65.72
 PC 6+62.58
 PT 6+68.85
 Δ 7°10'31.2" (LT)
 D 114°35'29.6"
 L 6.26' (ARC)
 T 3.13'
 R 50.00'

SCS PI STA 6+16.97
 SCS TOTAL Δ 17°20'39.3"
 PC 5+00.00
 PT 6+62.58
 Δ 10°10'8.1" (LT)
 D 6°15'16.5"
 L 162.58' (ARC)
 T 81.51'
 R 916.06'

PI 5+81.51
 PC 5+00.00
 PT 6+62.58
 Δ 10°10'8.1" (LT)
 D 6°15'16.5"
 L 162.58' (ARC)
 T 81.51'
 R 916.06'

☐ I-55 STATION TIE-IN: 312+64.59
 ☐ CREEK STATION TIE-IN: 7+40.45

305

310

315

320

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SPECIAL SHEET
 ALIGNMENT GEOMETRY
 CREEK AND ACCESS ROAD
 SHEET 1 OF 1

DATE PREPARED: 9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	9

COUNTY: ST LOUIS/JEFFERSON

JOB NO.: J613290

CONTRACT ID:

PROJECT NO.:

BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

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N.M. Correnti
 09/04/2025 9:16:00 AM
 Nicholas Michael Correnti - Civil
 MO PE-2010000800

DATE PREPARED 9/4/2025	
ROUTE I-55	STATE MO
DISTRICT SL	SHEET NO. 10
COUNTY ST LOUIS/JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

**ROAD WORK
 NEXT 2 MILES**

GO20-1
 1

**WORK ZONE
 NO PHONE
 ZONE**

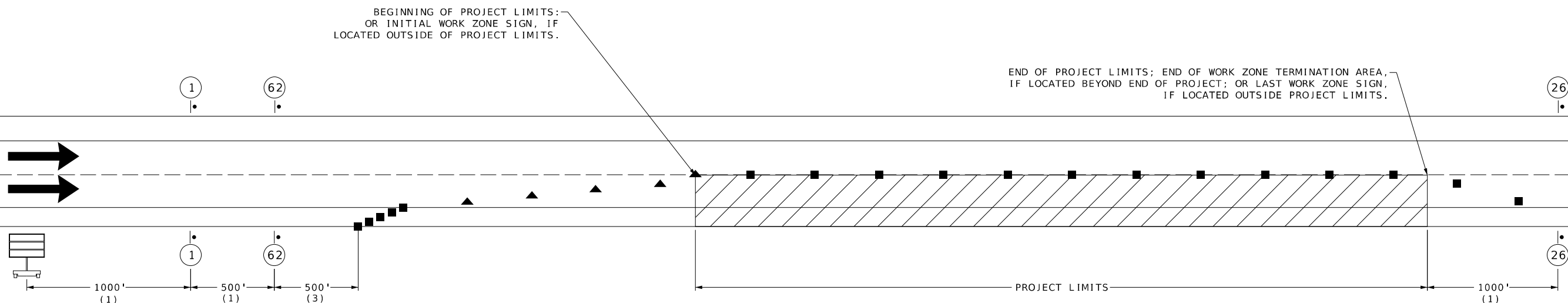
CONST-8 (3)
 62

**END
 ROAD WORK**

GO20-2
 26

BEGINNING OF PROJECT LIMITS;
 OR INITIAL WORK ZONE SIGN, IF
 LOCATED OUTSIDE OF PROJECT LIMITS.

END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA,
 IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN,
 IF LOCATED OUTSIDE PROJECT LIMITS.



NOTES:

- THE CONTRACTOR SHALL COMPLETELY COVER OR REMOVE ANY EXISTING SIGNING OR PAVEMENT MARKING THAT CONFLICTS WITH THE TEMPORARY TRAFFIC CONTROL SIGNING AND DEVICES.
- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

LEGEND

- CHANGEABLE MESSAGE SIGN
- SIGN
- WORK AREA

BEGIN-END OF PROJECT SIGNING
 NOT TO SCALE

TRAFFIC CONTROL
 SHEET 1 OF 50

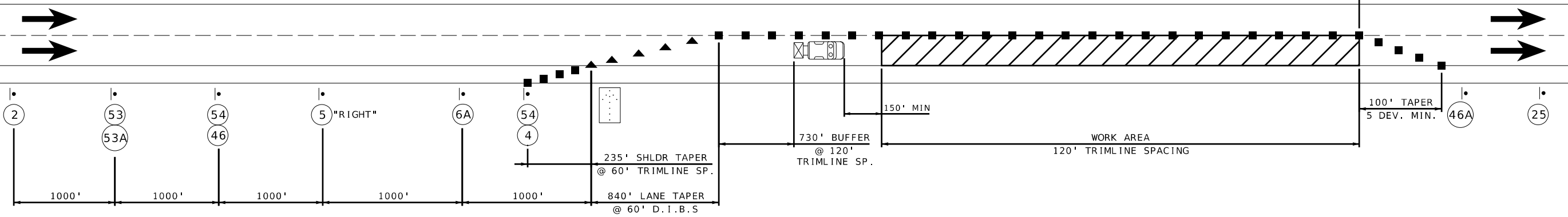
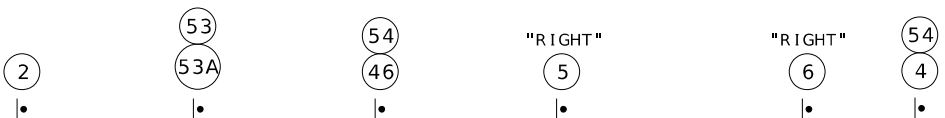
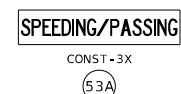
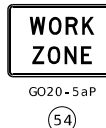
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION
MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

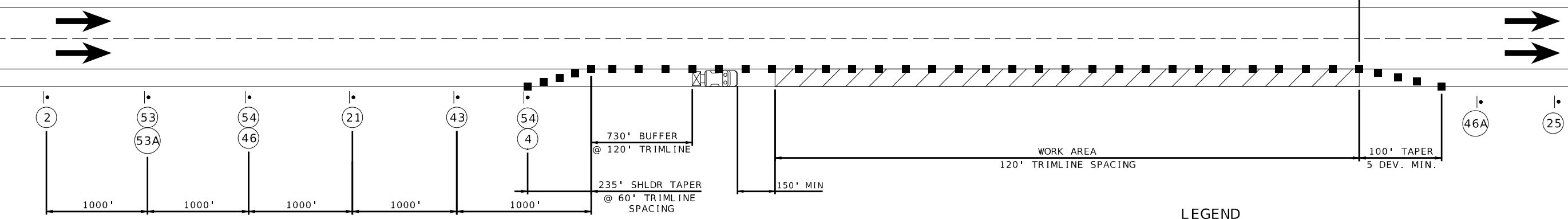
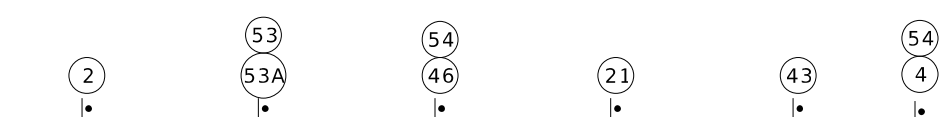
EFK Moen
 Civil Engineering Design
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NOT TO SCALE



SINGLE LANE CLOSURE (LEFT OR RIGHT)



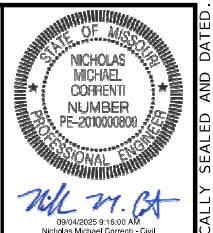
SHOULDER WORK (LEFT OR RIGHT)

LEGEND

- PROTECTIVE VEHICLE WITH TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN
- FLASHING ARROW PANEL
- CHANNELIZERS
- WORK AREA
- DIRECTIONAL INDICATOR BARRICADE

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TRAFFIC CONTROL SHEET 2 OF 50



DATE PREPARED: 9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	11

COUNTY: ST LOUIS/JEFFERSON
 JOB NO.: J613290
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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NOTES:

- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICAL.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- ALTERNATE TEMPORARY TRAFFIC CONTROL SET-UP SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.
- A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.
- ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
- NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS.
- ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
- BUFFER LENGTH MAY BE ELIMINATED, ADJUSTED OR SHORTENED BASED ON FIELD CONDITIONS.
- SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.
- NO DIRECT PAY FOR MOUNTING TEMPORARY SIGNS TO EXISTING BARRIER OR BRIDGE SAFETY BARRIER. TEMPORARY SIGNS SHALL BE MOUNTED ON EXISTING BARRIER OR BRIDGE SAFETY BARRIER WHEN SHOULDERS ARE 10 FEET WIDE OR LESS.

TYPICAL TWO INTERIOR LANE CLOSURE ON A FREEWAY

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DATE PREPARED
9/4/2025

ROUTE
1-55
STATE
MO
DISTRICT
SL
SHEET NO.
12

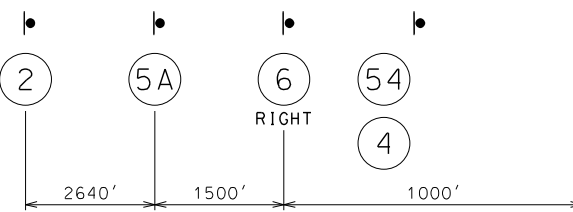
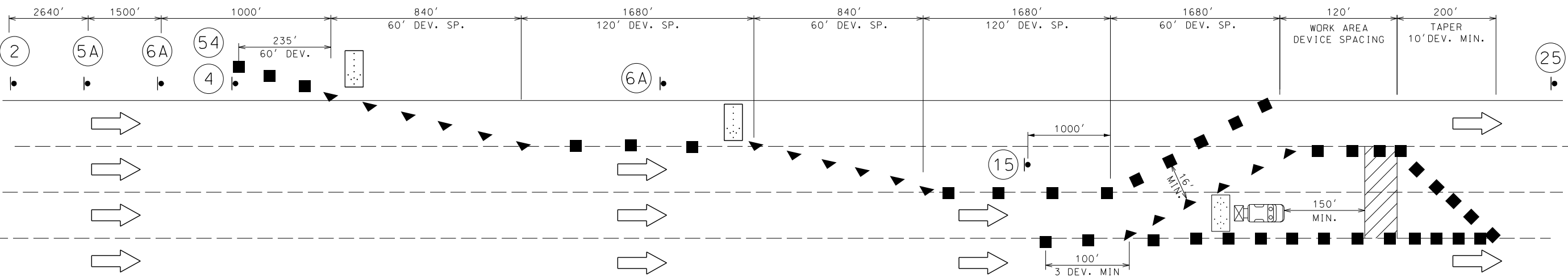
COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



6 RIGHT
6 CENTER

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM LINE)
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ⬛ FLASHING ARROW PANEL
- 🚚 TRUCK MOUNTED ATTENUATOR
- ▨ WORK AREA

NOT TO SCALE

TRAFFIC CONTROL SHEET 3 OF 50

DATE	DESCRIPTION

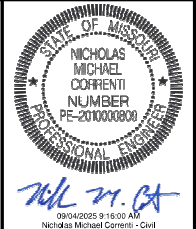
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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DATE PREPARED
 9/4/2025

ROUTE STATE
 I-55 MO

DISTRICT SHEET NO.
 SL 13

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

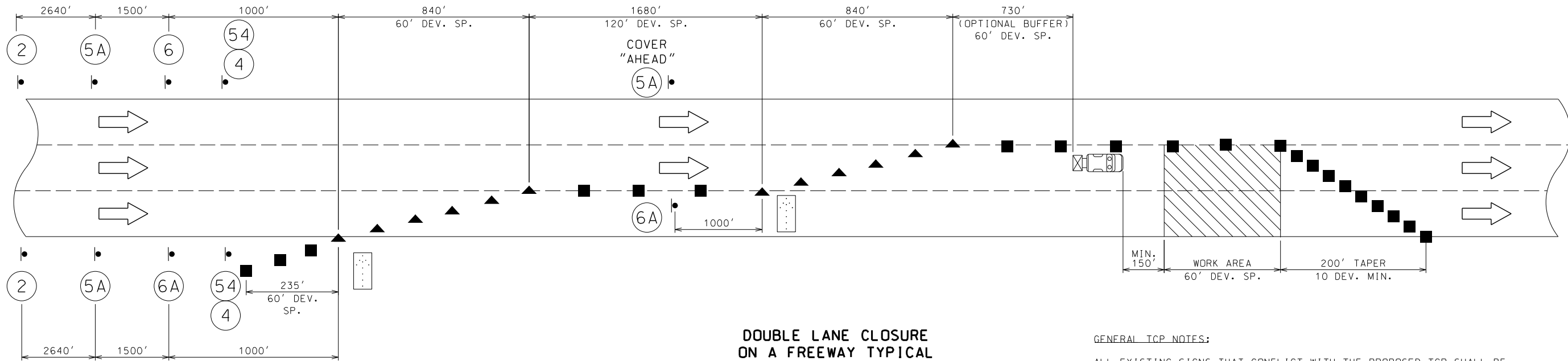
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL LEGEND

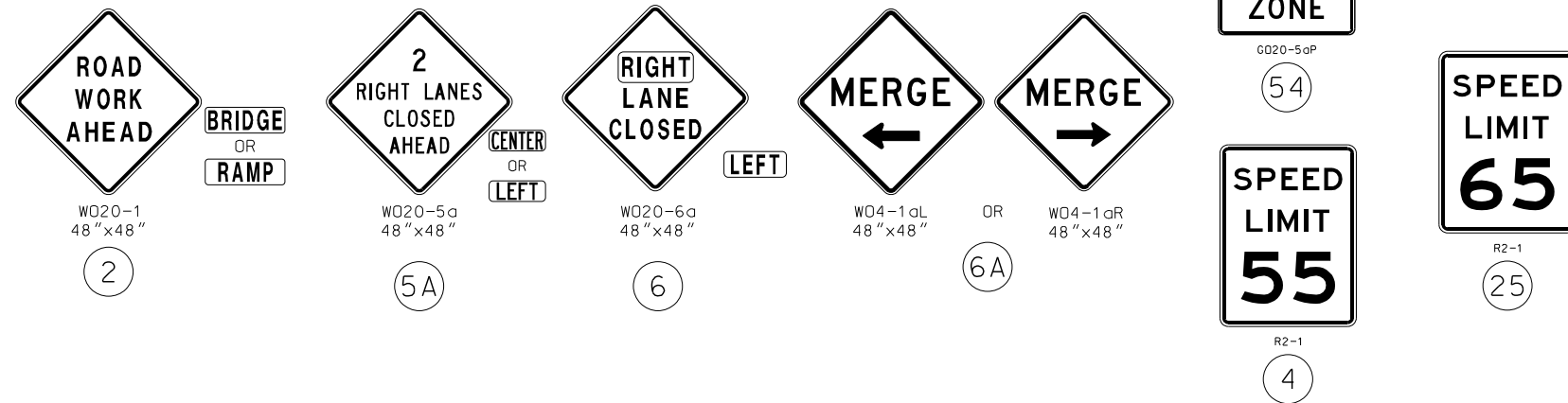
- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM LINE)
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ◻ FLASHING ARROW PANEL
- ◻ TRUCK MOUNTED ATTENUATOR
- ◻ WORK AREA



DOUBLE LANE CLOSURE ON A FREEWAY TYPICAL

GENERAL TCP NOTES:

- ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED. NO DIRECT PAY.
- NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS.
- ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
- BUFFER LENGTH MAY BE ELIMINATED, ADJUSTED OR SHORTENED AS APPROVED BY THE ENGINEER.
- SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.
- NO DIRECT PAY FOR MOUNTING TEMPORARY SIGNS TO EXISTING BARRIER OR BRIDGE SAFETY BARRIER. TEMPORARY SIGNS SHALL BE MOUNTED ON EXISTING BARRIER OR BRIDGE SAFETY BARRIER WHEN SHOULDERS ARE 10 FEET WIDE OR LESS.



NOT TO SCALE

TRAFFIC CONTROL SHEET 4 OF 50

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
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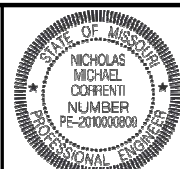
EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM LINE)
- DIRECTIONAL INDICATOR BARRICADE
- FLASHING ARROW PANEL
- TRUCK MOUNTED ATTENUATOR
- WORK AREA

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 09/04/2025 9:15:00 AM
 Nicholas Michael Correnti - Civil
 MS PE-2010000800

DATE PREPARED
 9/4/2025

ROUTE
 I-55
 STATE
 MO
 DISTRICT
 SL
 SHEET NO.
 14

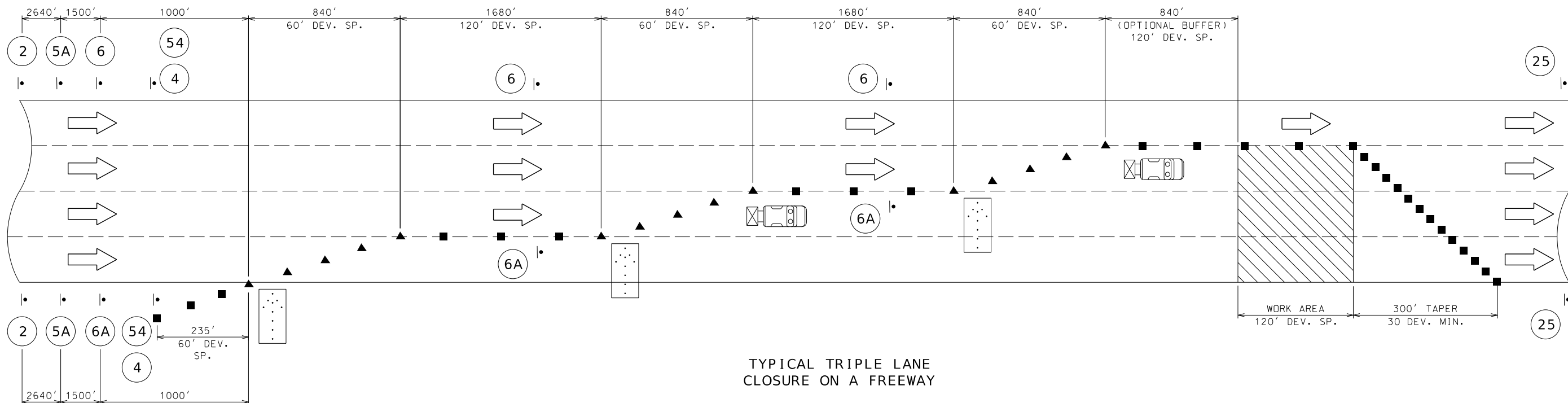
COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



TYPICAL TRIPLE LANE CLOSURE ON A FREEWAY

W020-1
48" x 48"

2

BRIDGE OR RAMP

W020-5a
48" x 48"

5A

CENTER OR LEFT

W020-6a
48" x 48"

6

W04-1aL
48" x 48"

6A

WORK ZONE

G020-5aP
36" x 24"

54

R2-1
36" x 48"

4

R2-1
36" x 48"

25

GENERAL TCP NOTES:
 ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY. NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING. BUFFER LENGTH MAY BE ELIMINATED, ADJUSTED OR SHORTENED BASED ON FIELD CONDITIONS. SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

NOT TO SCALE

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 Suite 250
 St. Louis, MO 63021
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

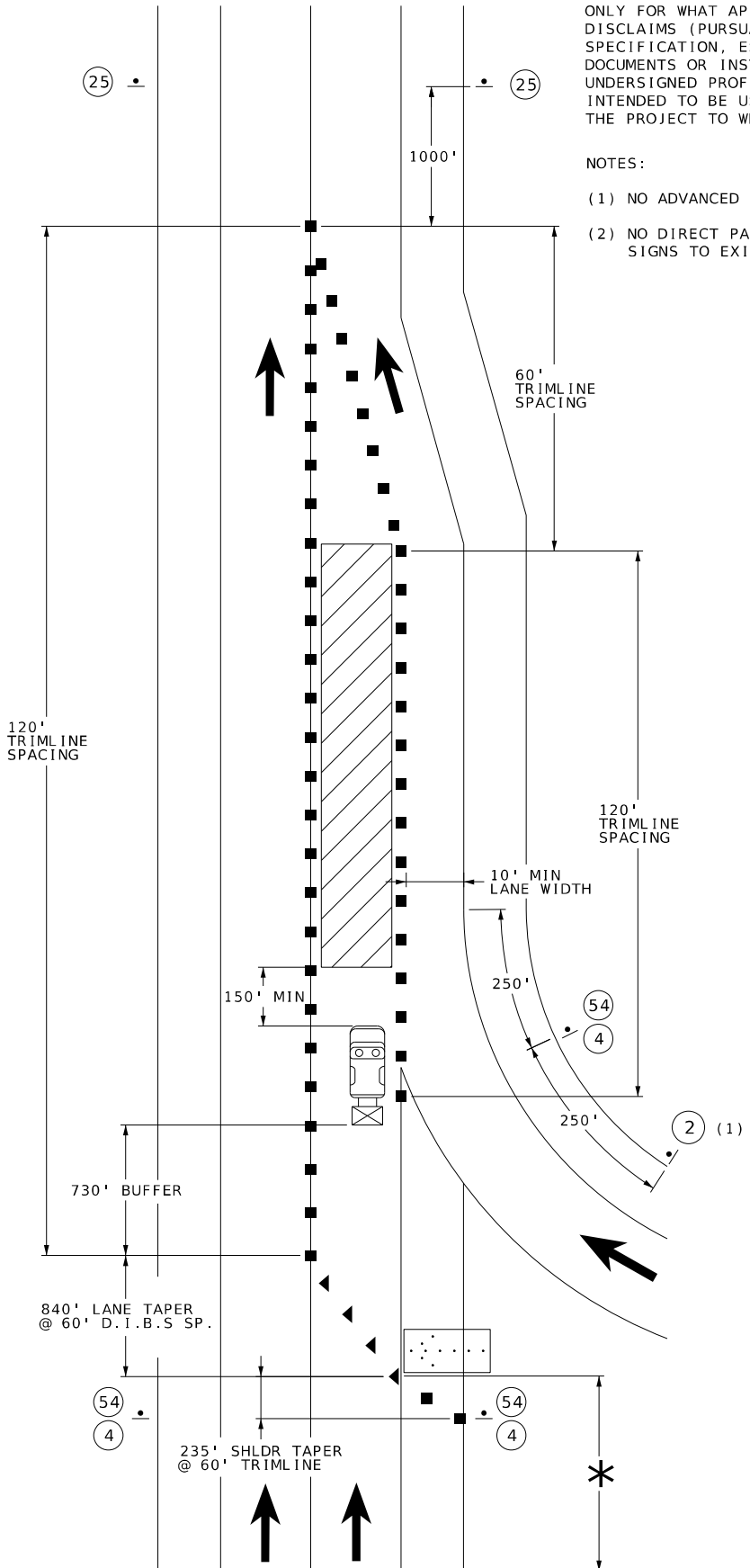
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NOT TO SCALE

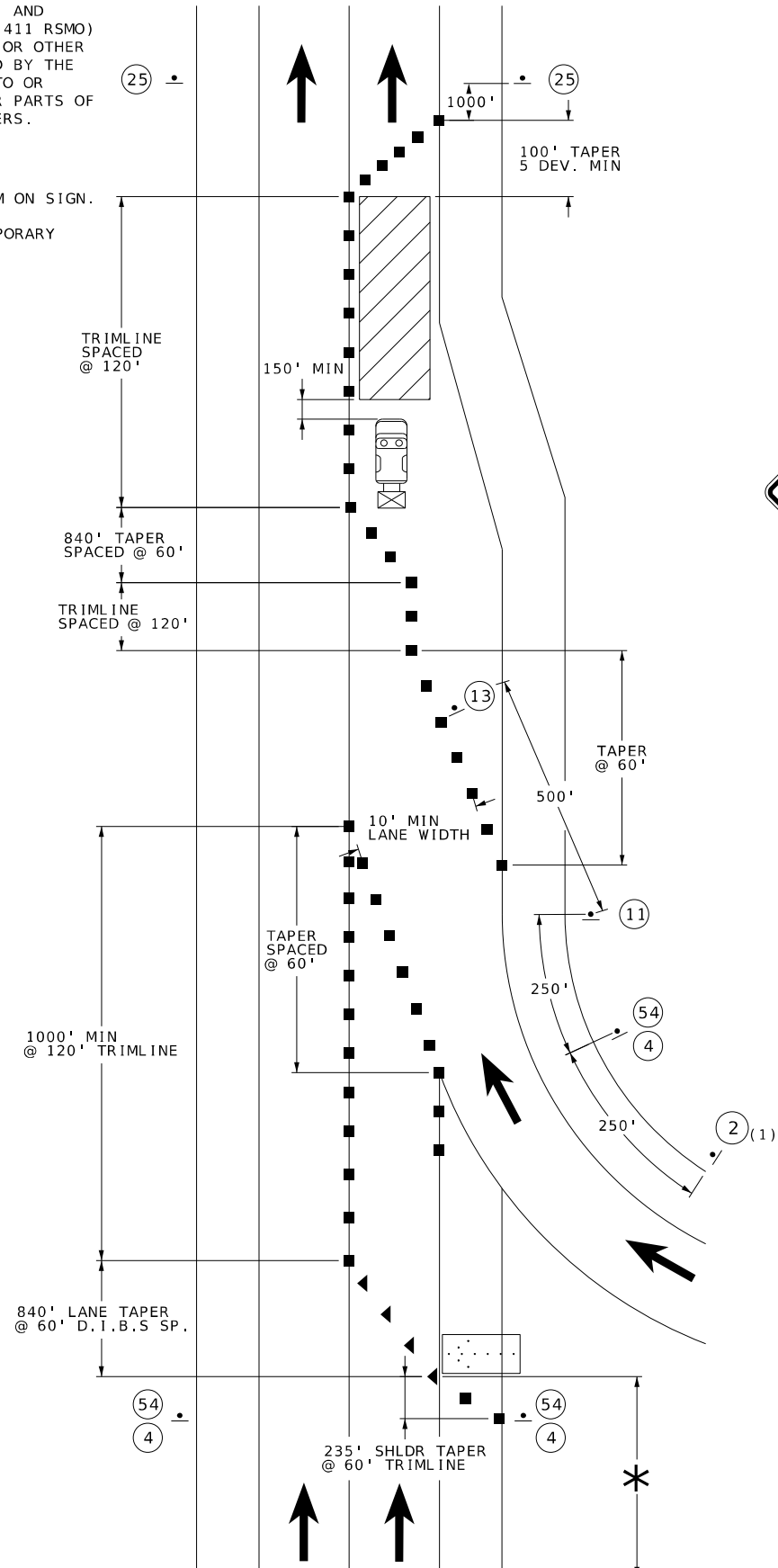
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NOTES:

- (1) NO ADVANCED RAIL WARNING SYSTEM ON SIGN.
- (2) NO DIRECT PAY FOR MOUNTING TEMPORARY SIGNS TO EXISTING BARRIER.



*FOR DETAILS ON THE ADVANCED SIGNING AREA, SEE "SINGLE LANE CLOSURE" TYPICAL APPLICATIONS



*FOR DETAILS ON THE ADVANCED SIGNING AREA, SEE "SINGLE LANE CLOSURE" TYPICAL APPLICATIONS

WORK IN THE VICINITY OF A ENTRANCE RAMP

LEGEND

- PROTECTIVE VEHICLE WITH TRUCK MOUNTED ATTENUATOR (TMA)
- WORK AREA
- FLASHING ARROW PANEL
- SIGN
- CHANNELIZERS
- DIRECTIONAL INDICATOR BARRICADE



(11)



(2)

BRIDGE
OR
RAMP



(46A)



(13)



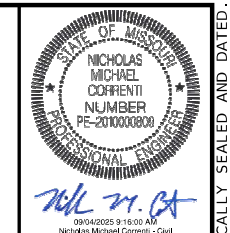
(54)



(25)



(4)



DATE PREPARED
9/4/2025

ROUTE STATE
I-55 MO

DISTRICT SHEET NO.
SL 15

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
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TRAFFIC CONTROL
SHEET 6 OF 50

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WORK IN THE VICINITY OF AN EXIT RAMP
NOT TO SCALE

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I-55 STATE
MO

DISTRICT
SL SHEET NO.
16

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

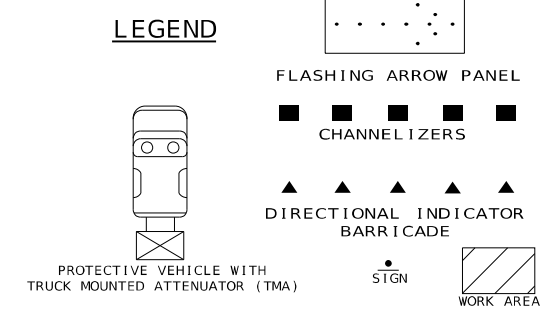
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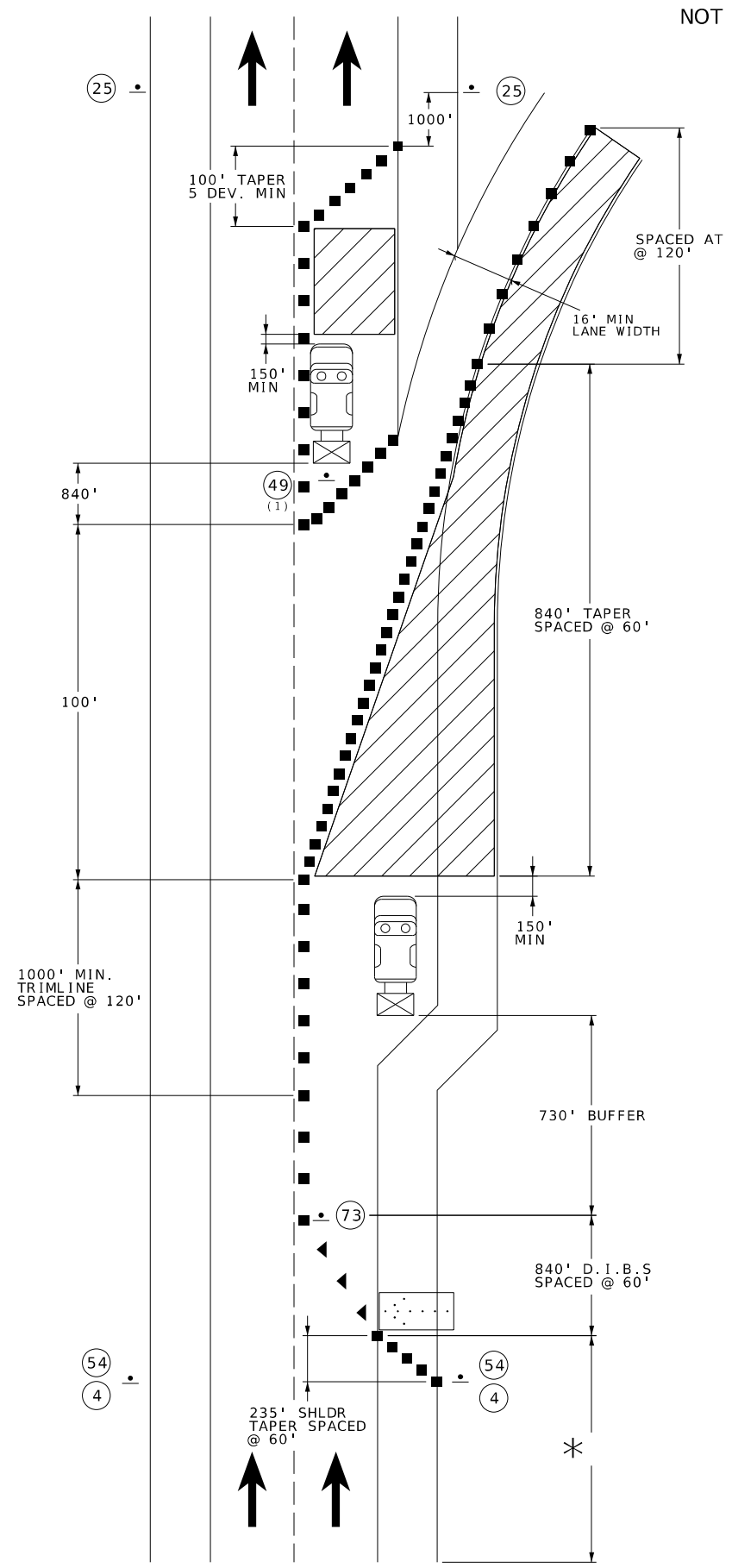
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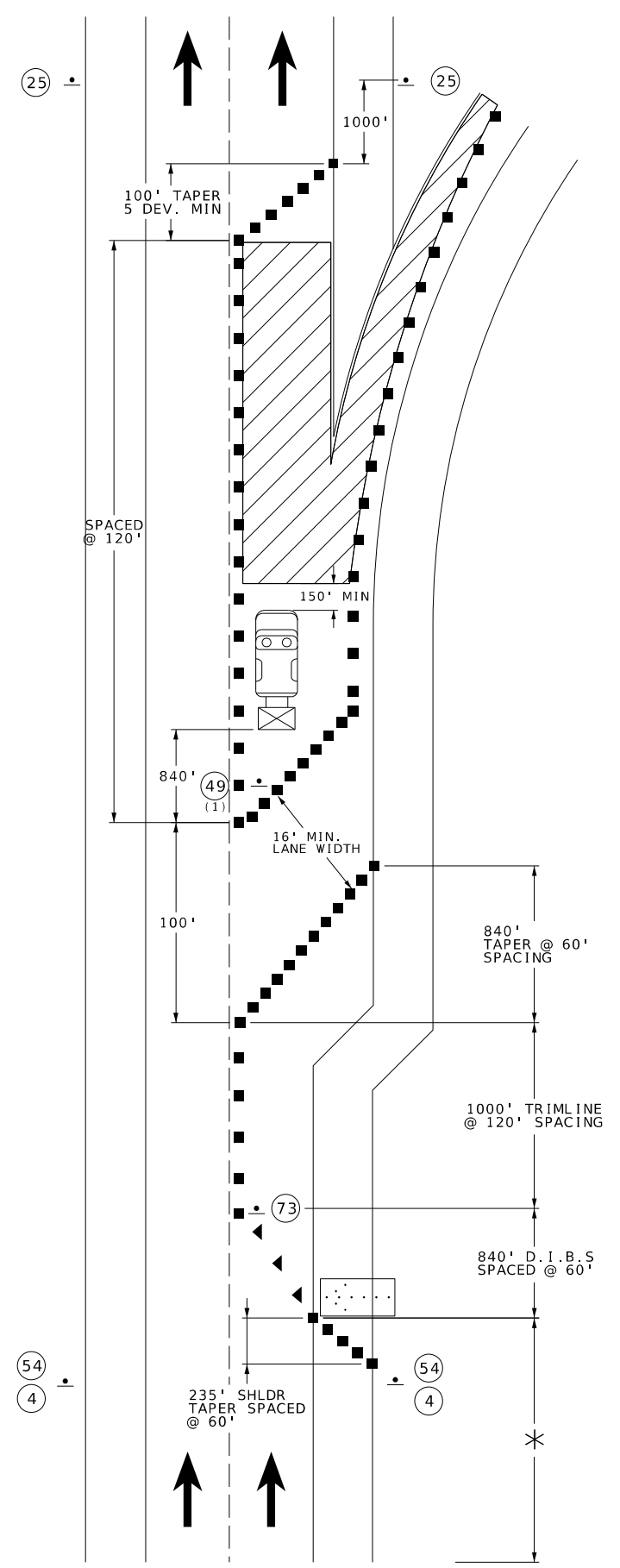
DATE



NOTES:
(1) PLACE TEMPORARY SIGN AT A MOUNTING HEIGHT OF 7' WITHIN THE TEMPORARY GORE
(3) 5 CHANNELIZER DEVICES MINIMUM



*FOR DETAILS ON THE ADVANCE SIGNING AREA, SEE "SINGLE LANE CLOSURE" TYPICAL APPLICATIONS



*FOR DETAILS ON THE ADVANCE SIGNING AREA, SEE "SINGLE LANE CLOSURE" TYPICAL APPLICATIONS

TRAFFIC CONTROL
SHEET 7 OF 50

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MoDOT
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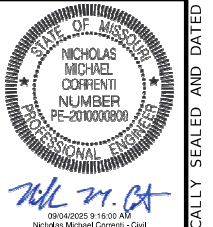
THREE OR MORE - LANES HIGHWAY FOR PAVEMENT MARKING OPERATION

CENTER LANE CLOSURE WITH RIGHT SHOULDER ADVANCE WARNING VEHICLE

RIGHT LANE CLOSURE WITH RIGHT SHOULDER ADVANCE WARNING VEHICLE

LEFT LANE CLOSURE WITH RIGHT SHOULDER ADVANCE WARNING VEHICLE

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TRAFFIC CONTROL LEGEND

- FLASHING ARROW PANEL
- PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL
- WORK VEHICLE

DATE PREPARED
 9/4/2025
 ROUTE
 I-55
 STATE
 MO
 DISTRICT
 SL
 SHEET NO.
 17
 COUNTY
 ST LOUIS/JEFFERSON
 JOB NO.
 J613290
 CONTRACT ID.

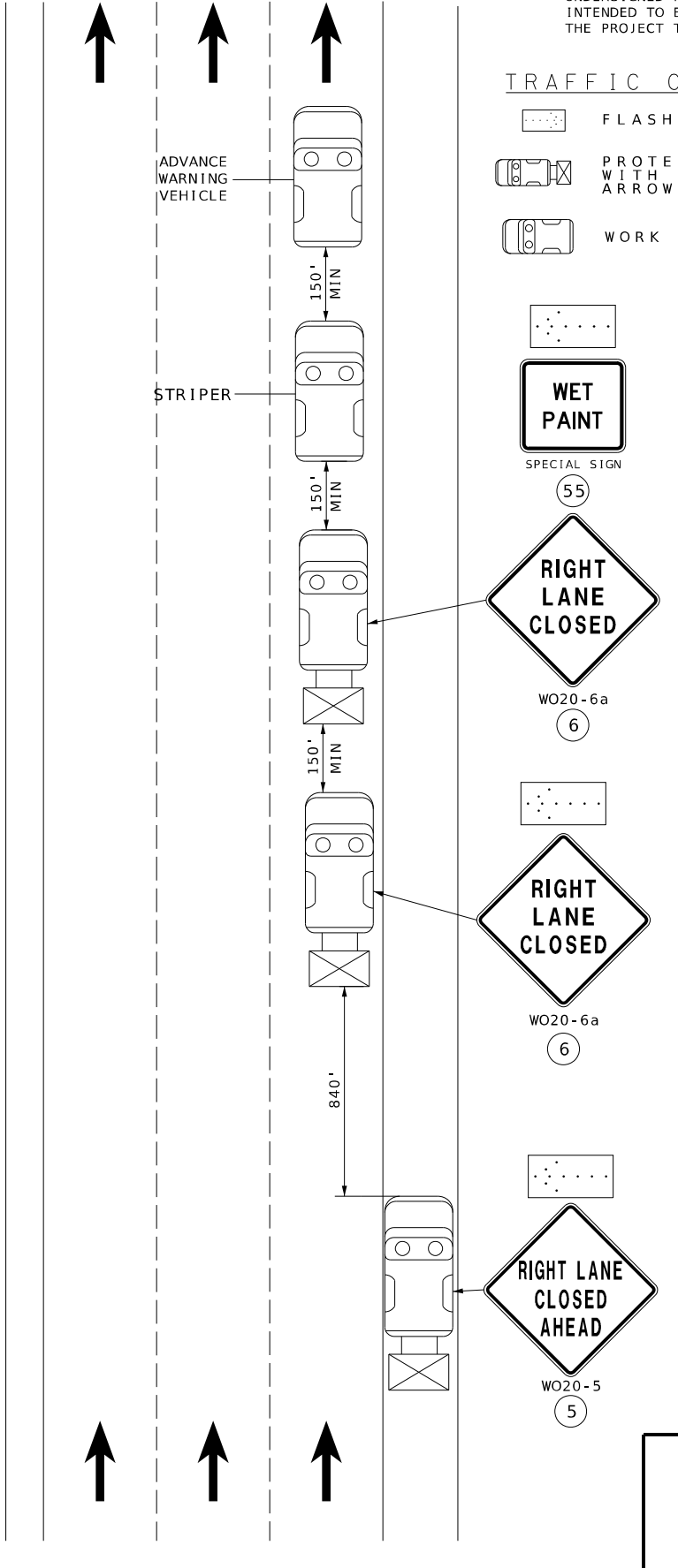
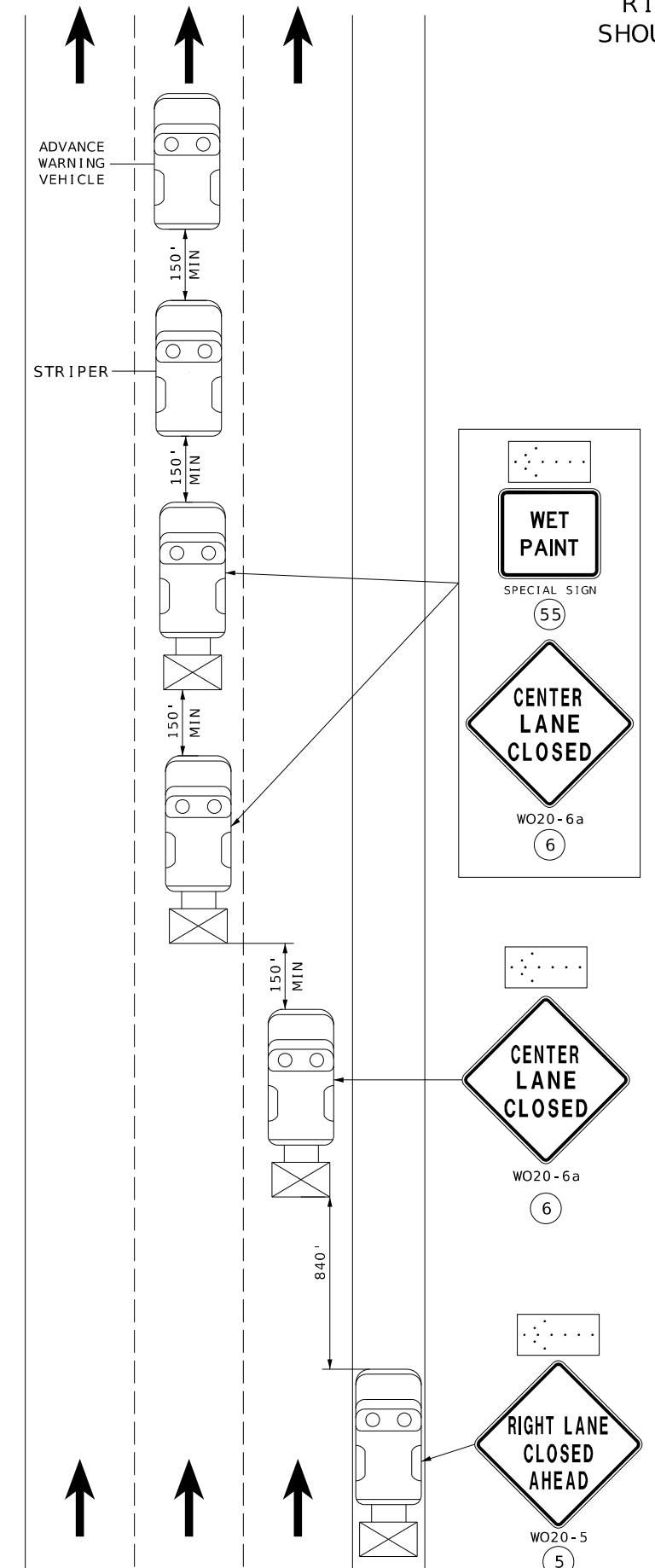
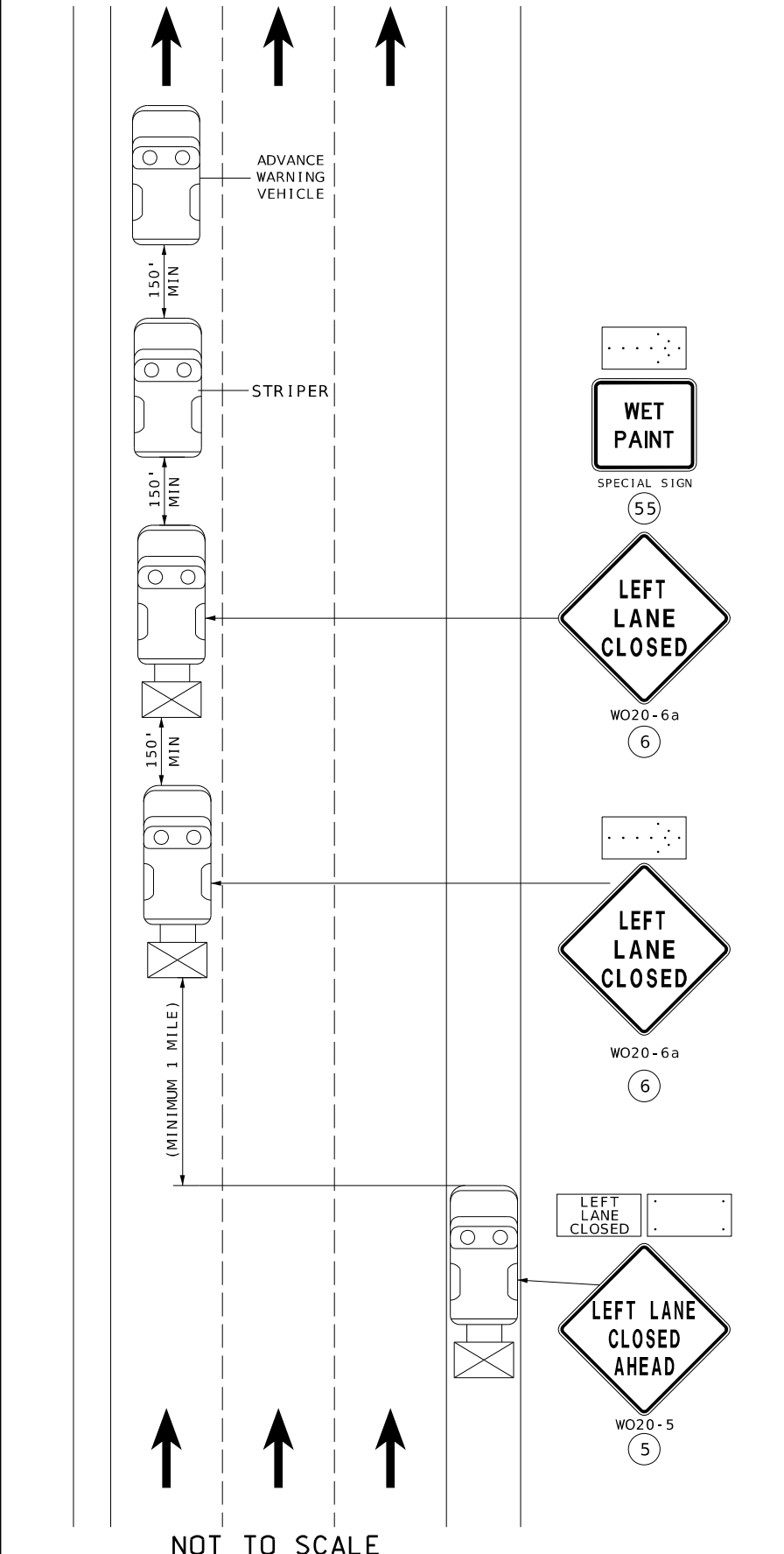
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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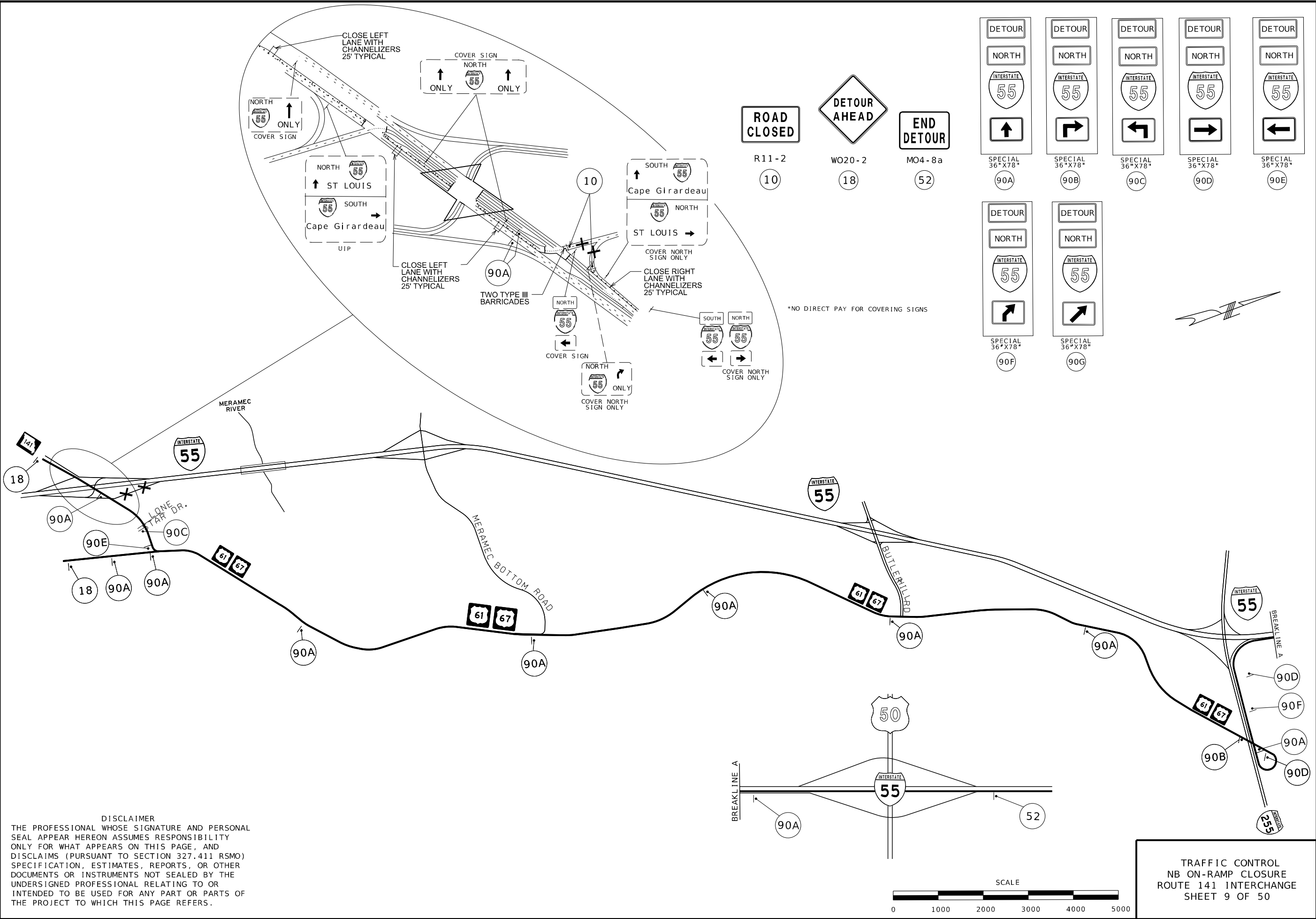
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TRAFFIC CONTROL SHEET 8 OF 50

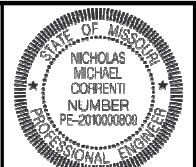


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N.M.C.
 Nicholas Michael Correnti - Civil
 MO PE-2010000800

DATE PREPARED
 9/4/2025

ROUTE STATE
 I-55 MO
 DISTRICT SHEET NO.
 SL 18

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

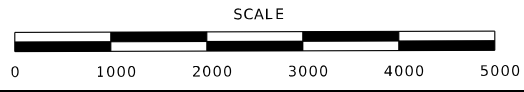
BRIDGE NO.

DESCRIPTION	DATE

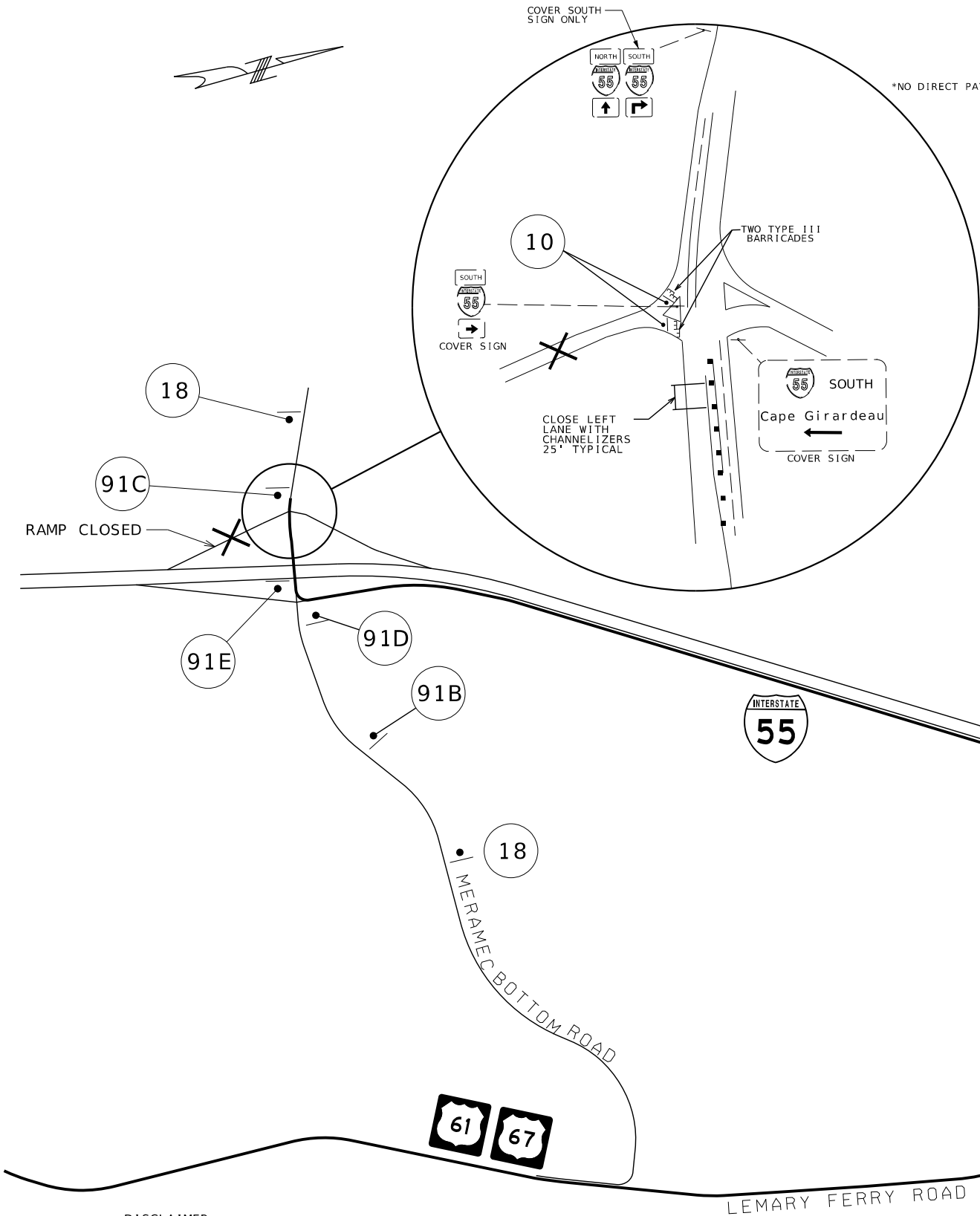
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 JEFFERSON CITY, MO 65102
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TRAFFIC CONTROL
 NB ON-RAMP CLOSURE
 ROUTE 141 INTERCHANGE
 SHEET 9 OF 50



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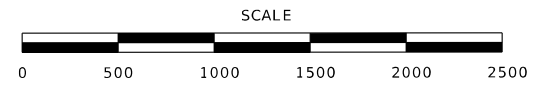


*NO DIRECT PAY FOR COVERING SIGNS

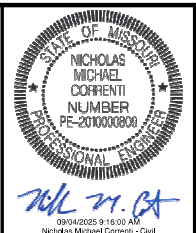
- R11-2 (10)
- W020-2 (18)
- M04-8a (52)

- DETOUR SOUTH INTERSTATE 55 (91A)
- DETOUR SOUTH INTERSTATE 55 (91B)
- DETOUR SOUTH INTERSTATE 55 (91C)
- DETOUR SOUTH INTERSTATE 55 (91D)
- DETOUR SOUTH INTERSTATE 55 (91E)
- DETOUR SOUTH INTERSTATE 55 (91F)
- DETOUR SOUTH INTERSTATE 55 (91G)

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TRAFFIC CONTROL
 SB ON-RAMP CLOSURE
 MERAMEC BOTTOM INTERCHANGE
 SHEET 10 OF 50



DATE PREPARED
 9/4/2025
 ROUTE 1-55
 STATE MO
 DISTRICT SL
 SHEET NO. 19
 COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
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 13523 Barrett Parkway Dr
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ROUTE STATE
I-55 MO

DISTRICT SHEET NO.
SL 20

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

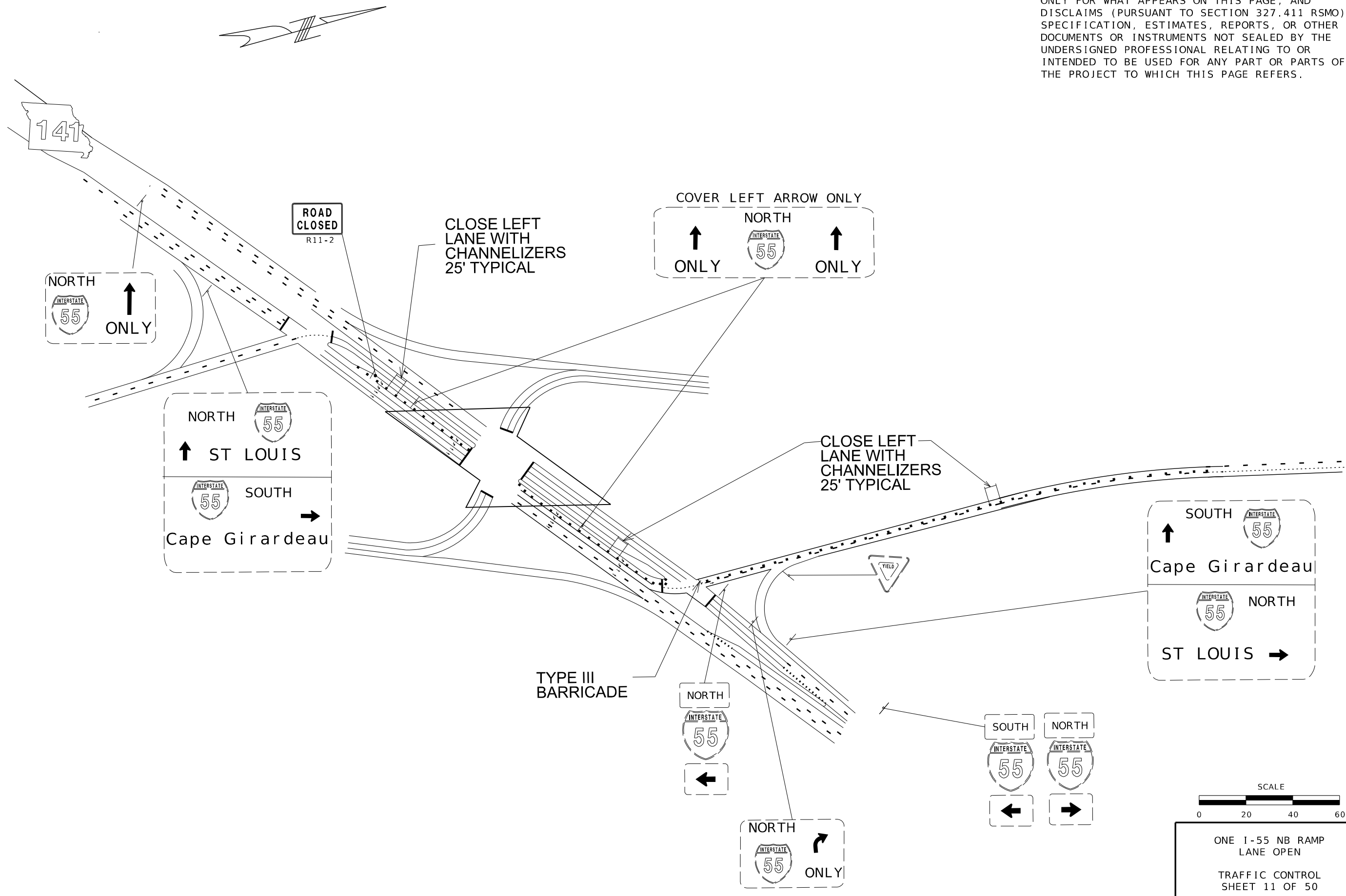
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

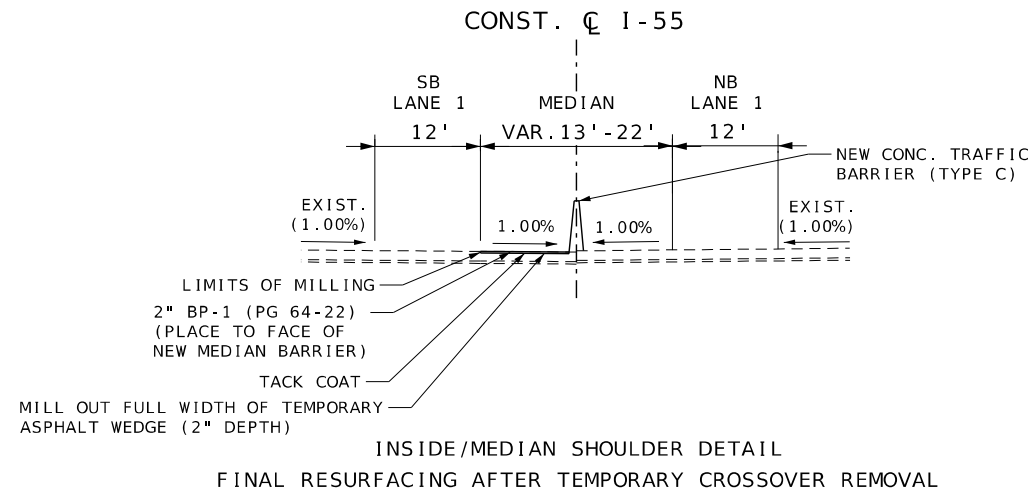
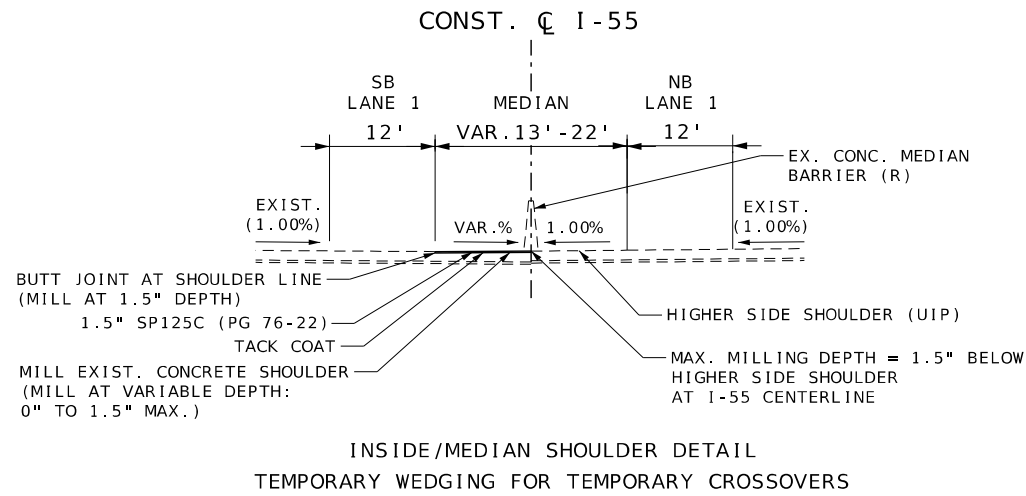
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Missouri Certificate of Authority: 001578



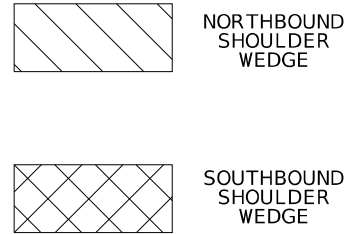
ONE I-55 NB RAMP
LANE OPEN
TRAFFIC CONTROL
SHEET 11 OF 50

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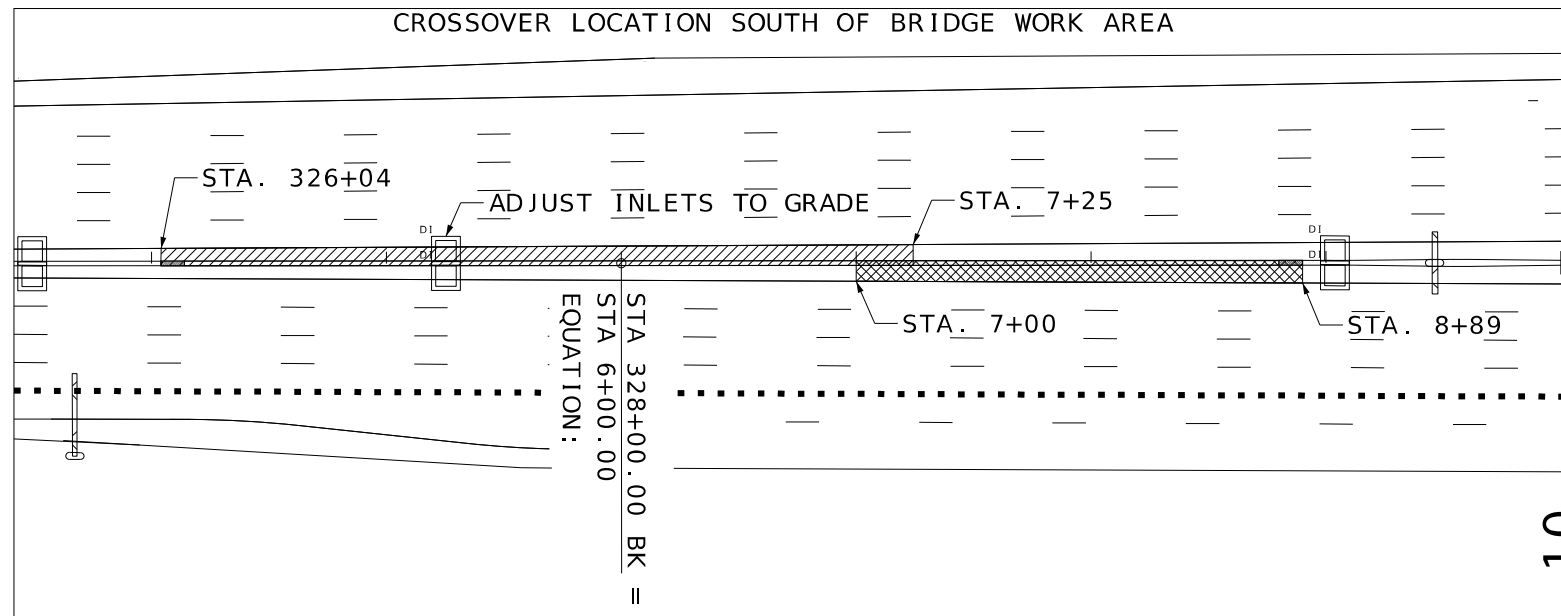
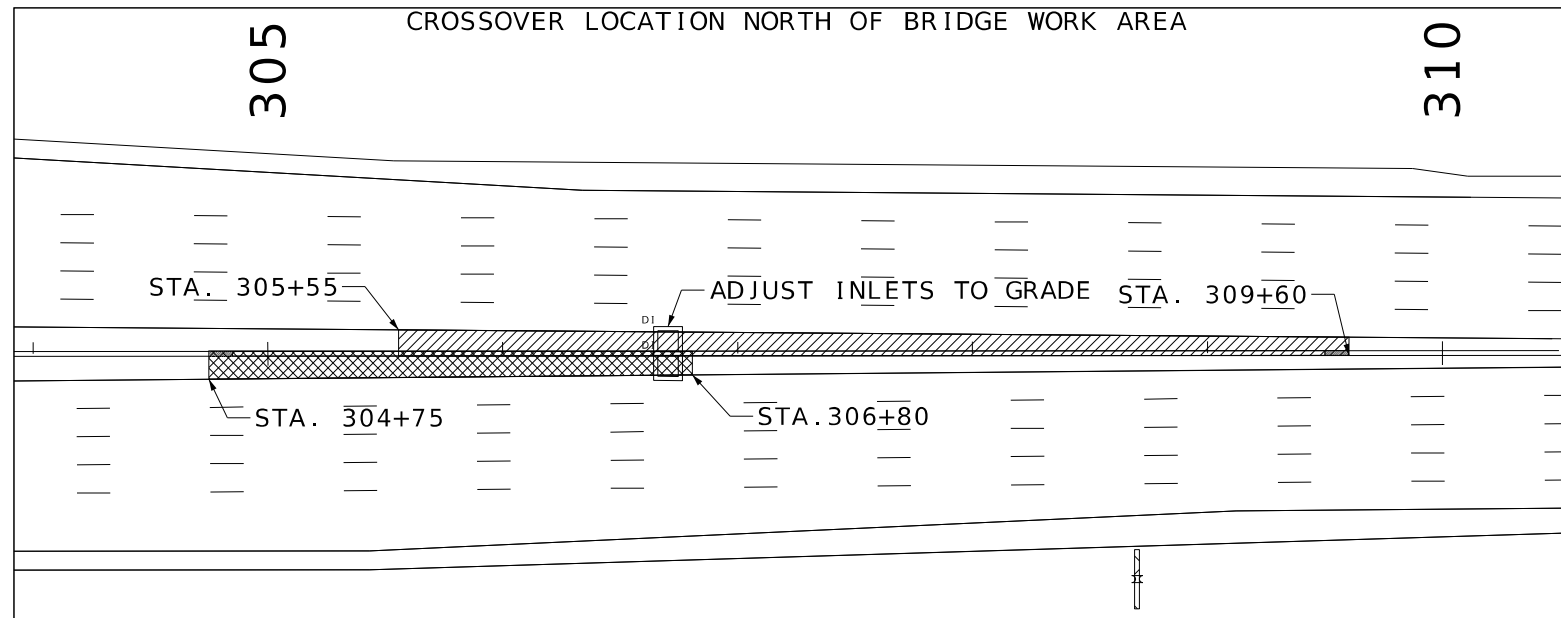


NOTES:
 ELEVATIONS BETWEEN NB AND SB I-55 PAVEMENT SLABS MAY VARY UNDER THE EXISTING CONCRETE MEDIAN BARRIER BY AS MUCH AS 1.5". TO FACILITATE A SMOOTH TRANSITION THROUGH THE TEMPORARY CROSSOVERS, THE CONTRACTOR IS TO MILL A DEPTH TRANSITION ON THE LOWER SIDE SHOULDER PAVEMENT SUCH THAT A 1.5" LIFT OF ASPHALT CAN BE PLACED TO ADJUST THE ELEVATION TO MATCH THE HIGH SIDE ELEVATION IN THE CENTER OF I-55.
 CONTRACTOR IS TO PLACE WEDGING SUCH THAT PAVEMENT IS SLOPED TO DRAIN WATER FROM PAVEMENT WHILE TEMPORARY CROSSOVERS ARE IN PLACE, AND WHEN RESTORING THE SHOULDERS BACK TO THE PRE-CONSTRUCTION GRADES.
 TO RESTORE, THE FULL TEMPORARY WEDGING IS TO BE REMOVED, PLUS AN ADDITIONAL 0.5", AND A NEW ASPHALT SHOULDER SURFACE PROVIDED AT THE PRE-CONSTRUCTION GRADES.



HATCHING SHOWN ON LOWER SIDE
 OVERLAP TRANSITIONS BY APPROXIMATELY 25'

APPLICATION RATES:
 BITUMINOUS PAVEMENT MIXTURE, PG 64-22, (BP-1)
 1.96 TONS/CY COMPACTED
 ASPHALT CONCRETE MIXTURE, PG 76-22, (SP125C MIX)
 1.96 TONS/CY COMPACTED
 TACK COAT (MILLED)
 0.13 GAL/SY



10

NOT TO SCALE

TRAFFIC CONTROL SHEET 12 OF 50



N.M. Correnti
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED
 9/4/2025
 ROUTE
 I-55
 DISTRICT
 SL
 COUNTY
 ST LOUIS/JEFFERSON
 JOB NO.
 J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

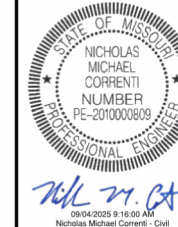
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
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 St. Louis, MO 63021
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ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 22

COUNTY ST LOUIS/JEFFERSON

JOB NO. J613290

CONTRACT ID.

PROJECT NO.

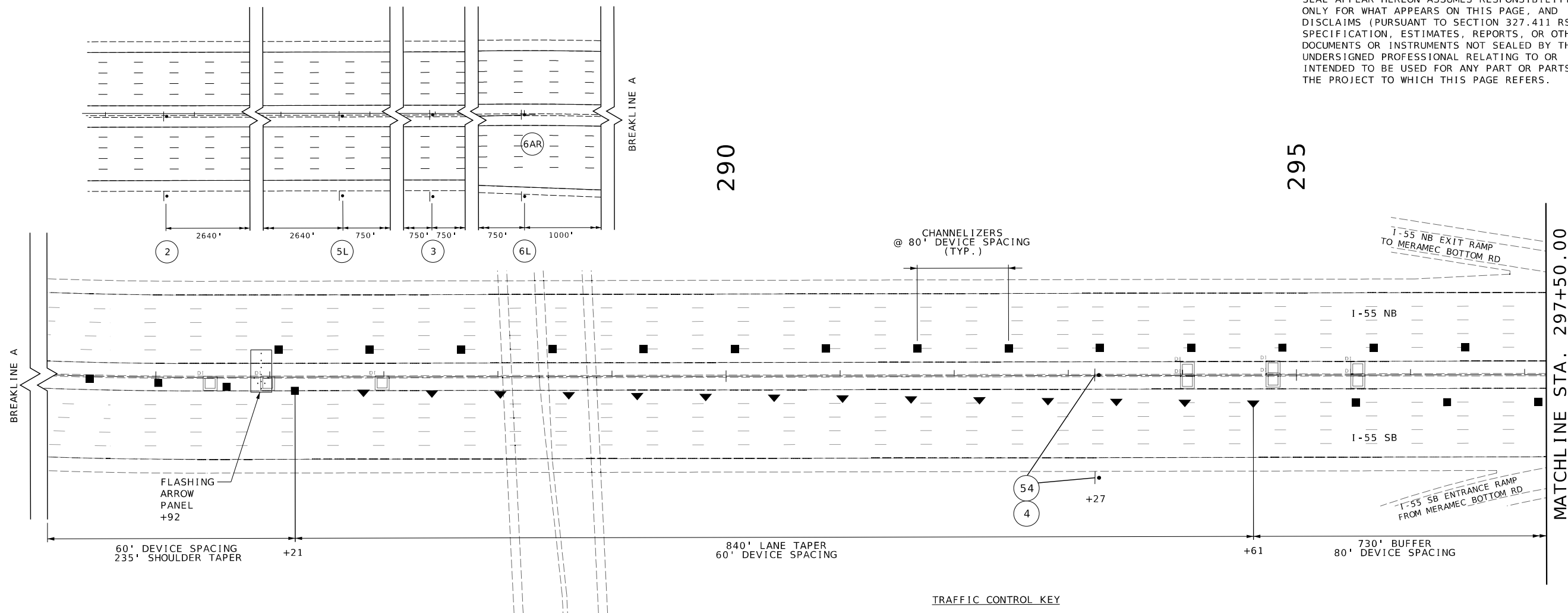
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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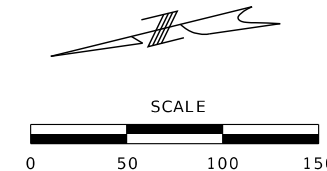


TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- ▭ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- ▭ FLASHING ARROW PANEL
- ▭ CHANGEABLE MESSAGE SIGN
- ▭ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT

Diagram showing traffic signs:

- WO4-1aR (6AR) MERGE →
- WO20-6a (6L) LEFT LANE CLOSED
- WO20-5 (5L) LEFT LANE CLOSED AHEAD
- WO20-1 (2) ROAD WORK AHEAD
- GO20-5aP (54) WORK ZONE
- R2-1 (4) SPEED LIMIT 50
- WO3-5 (3) SPEED LIMIT 50



TRAFFIC CONTROL SHEET 13 OF 50
 MEDIAN BARRIER REMOVAL / REPLACEMENT SHEET 1 OF 5

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ROUTE STATE
 I-55 MO

DISTRICT SHEET NO.
 SL 23

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

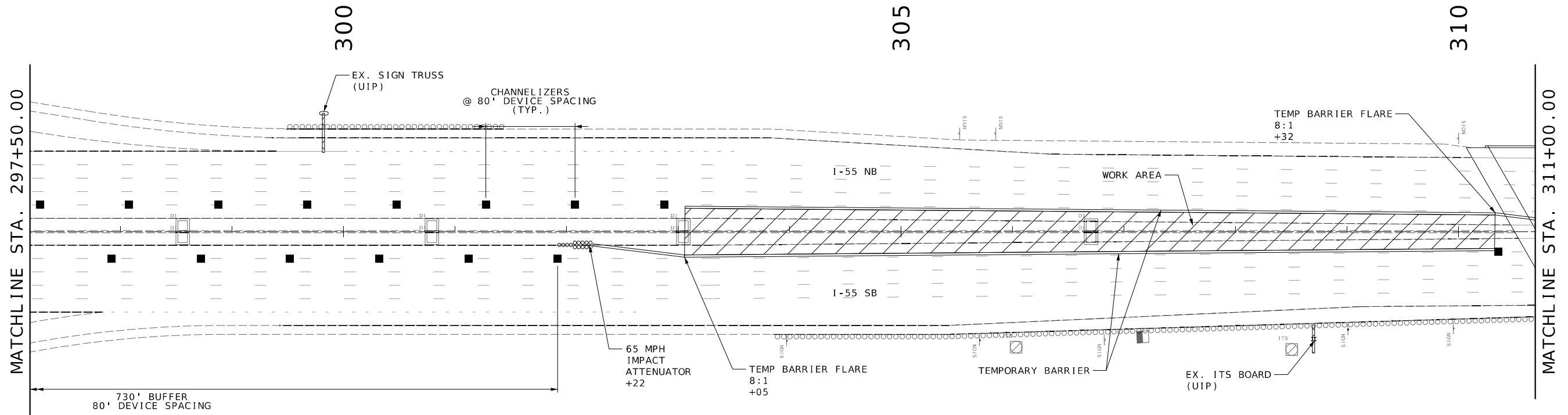
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

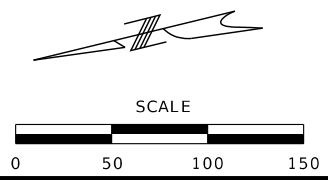


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TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- [- TYPE III MOVEABLE BARRICADE
- ⊝ IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- ▨ WORK AREA
- ▨ FLASHING ARROW PANEL
- ▩ CHANGEABLE MESSAGE SIGN
- ▩ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



TRAFFIC CONTROL SHEET 14 OF 50

MEDIAN BARRIER REMOVAL / REPLACEMENT SHEET 2 OF 5

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 MO PE-2010000809

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ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	24

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
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CONTRACT ID.

PROJECT NO.

BRIDGE NO.

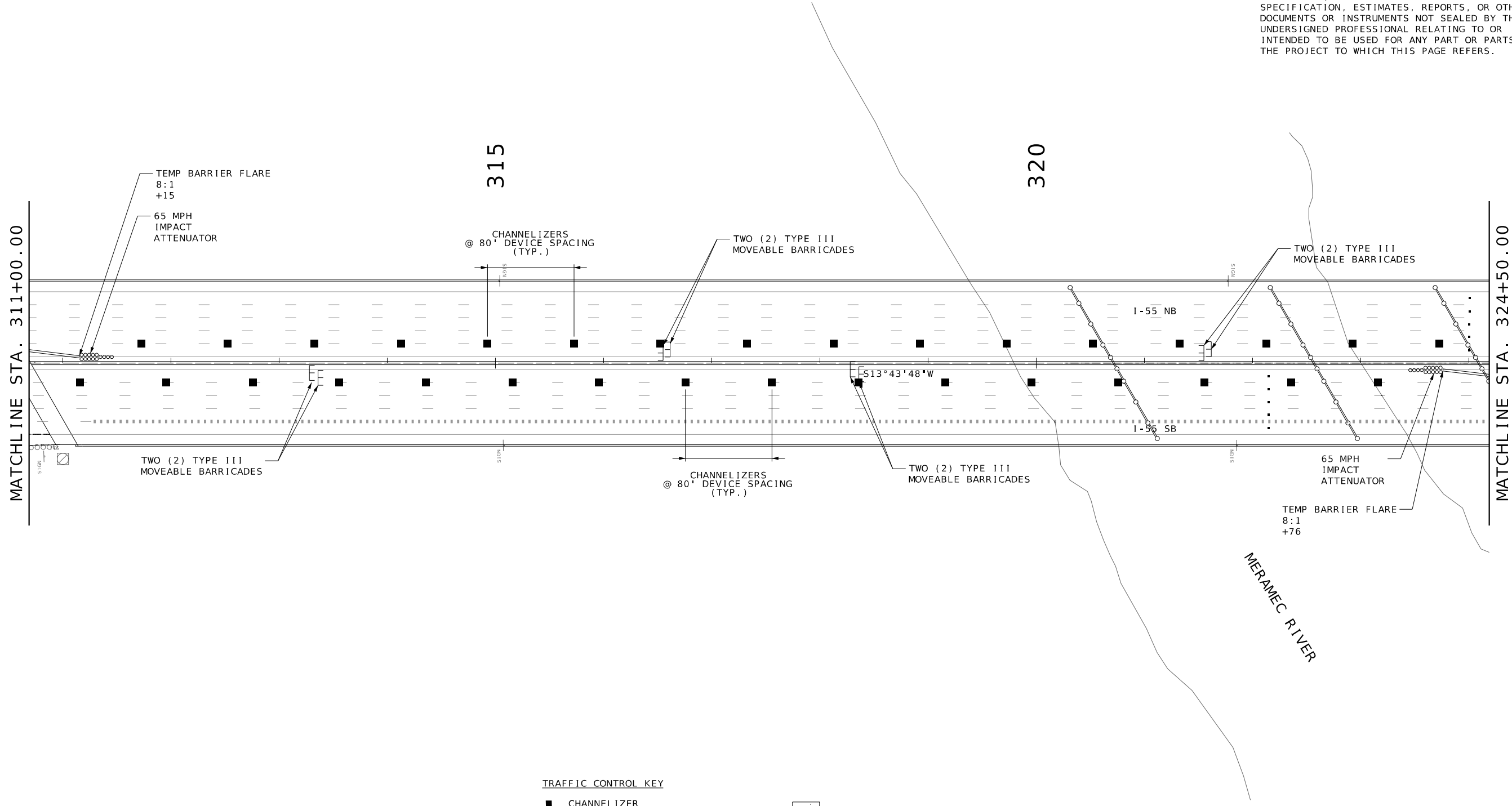
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



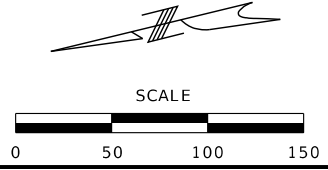
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TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ▬ SIGN
- ◆ TUBULAR MARKERS
- [TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ▬▬▬ TEMP. LONG-TERM RUMBLE STRIPS
- ▣ WORK AREA
- ◻ FLASHING ARROW PANEL
- ◻ CHANGEABLE MESSAGE SIGN
- ◻ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



TRAFFIC CONTROL
 SHEET 15 OF 50
 MEDIAN BARRIER
 REMOVAL / REPLACEMENT
 SHEET 3 OF 5

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ROUTE STATE
 I-55 MO

DISTRICT SHEET NO.
 SL 25

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JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

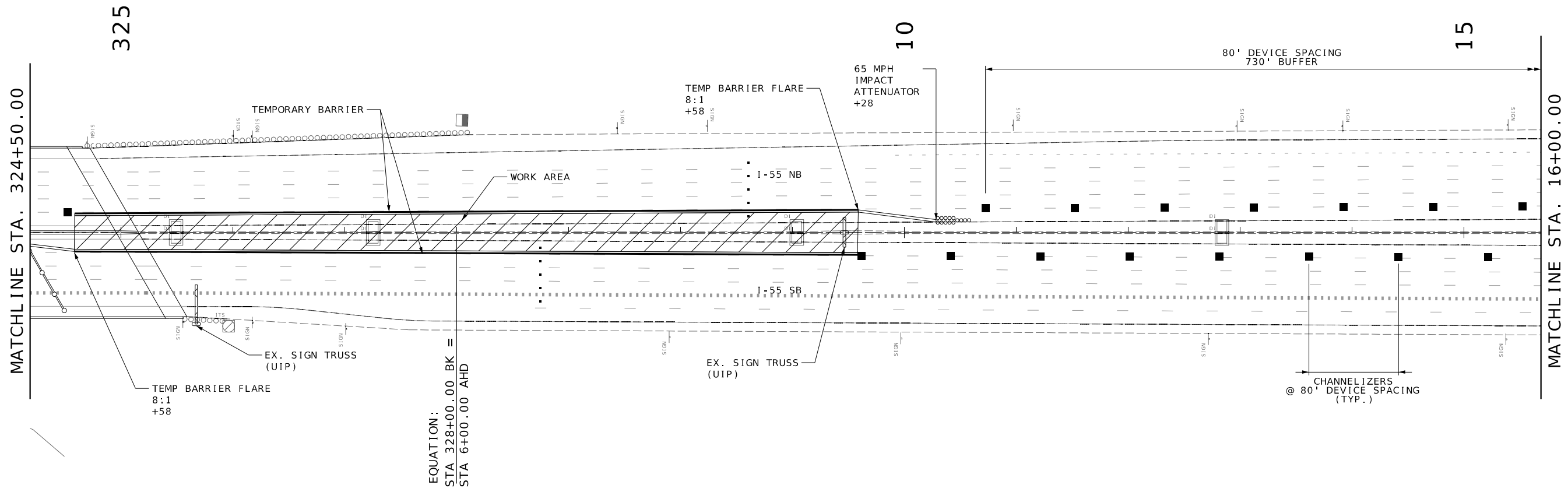
BRIDGE NO.

DATE	DESCRIPTION

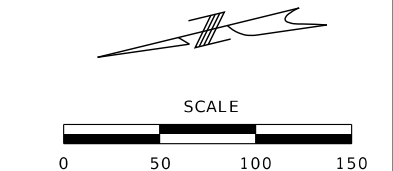
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



- TRAFFIC CONTROL KEY**
- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
 - ┆ SIGN
 - ◆ TUBULAR MARKERS
 - ⌈ TYPE III MOVEABLE BARRICADE
 - ∞ IMPACT ATTENUATORS
 - ▬ TEMPORARY NARROW CRASH CUSHION
 - ← TRAVEL DIRECTION
 - ||||| TEMP. LONG-TERM RUMBLE STRIPS
 - ▩ WORK AREA
 - ◻ FLASHING ARROW PANEL
 - ◻ CHANGEABLE MESSAGE SIGN
 - ☒ TRUCK MOUNTED ATTENUATOR (TMA)
 - SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 - DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 - DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



TRAFFIC CONTROL SHEET 16 OF 50

MEDIAN BARRIER REMOVAL / REPLACEMENT SHEET 4 OF 5

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DATE PREPARED
 9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	26

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

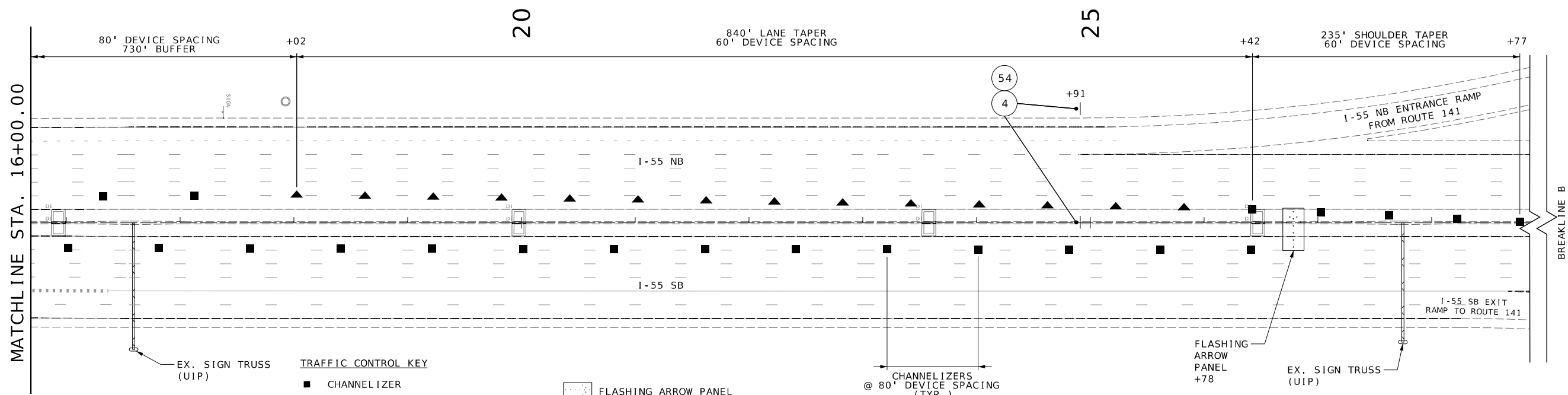
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

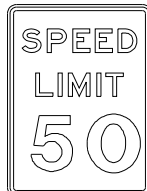
MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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EFK Moen
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 Fax 314-394-3199
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TRAFFIC CONTROL KEY

- | | |
|-----------------------------------|--|
| ■ CHANNELIZER | ◻ FLASHING ARROW PANEL |
| ▲ DIRECTIONAL INDICATOR BARRICADE | ◻ CHANGEABLE MESSAGE SIGN |
| + SIGN | ◻ TRUCK MOUNTED ATTENUATOR (TMA) |
| ◆ TUBULAR MARKERS | SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT |
| □ TYPE III MOVEABLE BARRICADE | DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT |
| ○○○○ IMPACT ATTENUATORS | DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT |
| — TEMPORARY NARROW CRASH CUSHION | |
| ← TRAVEL DIRECTION | |
| ⋯ TEMP. LONG-TERM RUMBLE STRIPS | |
| XXXX WORK AREA | |



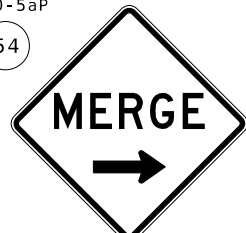
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54



3



6AR



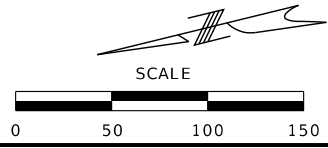
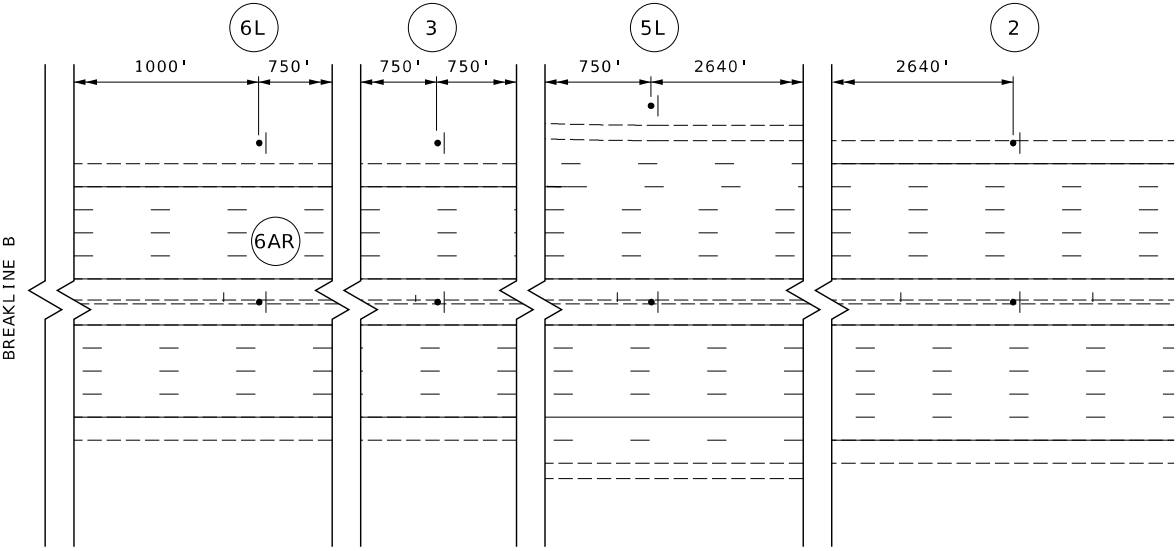
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2



5L



TRAFFIC CONTROL
 SHEET 17 OF 50

MEDIAN BARRIER
 REMOVAL / REPLACEMENT
 SHEET 5 OF 5

MATCHLINE STA. 16+00.00

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25

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TRAFFIC CONTROL KEY

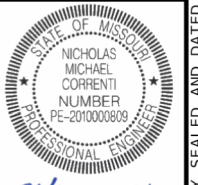
- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- E TYPE III MOVEABLE BARRICADE
- ∞∞∞∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN
- TRUCK MOUNTED ATTENUATOR (TMA)

- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT

GENERAL TRAFFIC CONTROL NOTES:

1. ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED AT NO DIRECT PAY.
2. PLACEMENT OF TRAFFIC CONTROL SIGNS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
3. SIGN AND DEVICE LOCATIONS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
4. ANY EXISTING PAVEMENT MARKING THAT CONFLICTS WITH THE TRAFFIC CONTROL STRIPING SHALL BE COMPLETELY REMOVED.

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DATE PREPARED
9/4/2025

ROUTE 1-55 STATE MO
DISTRICT SL SHEET NO. 27

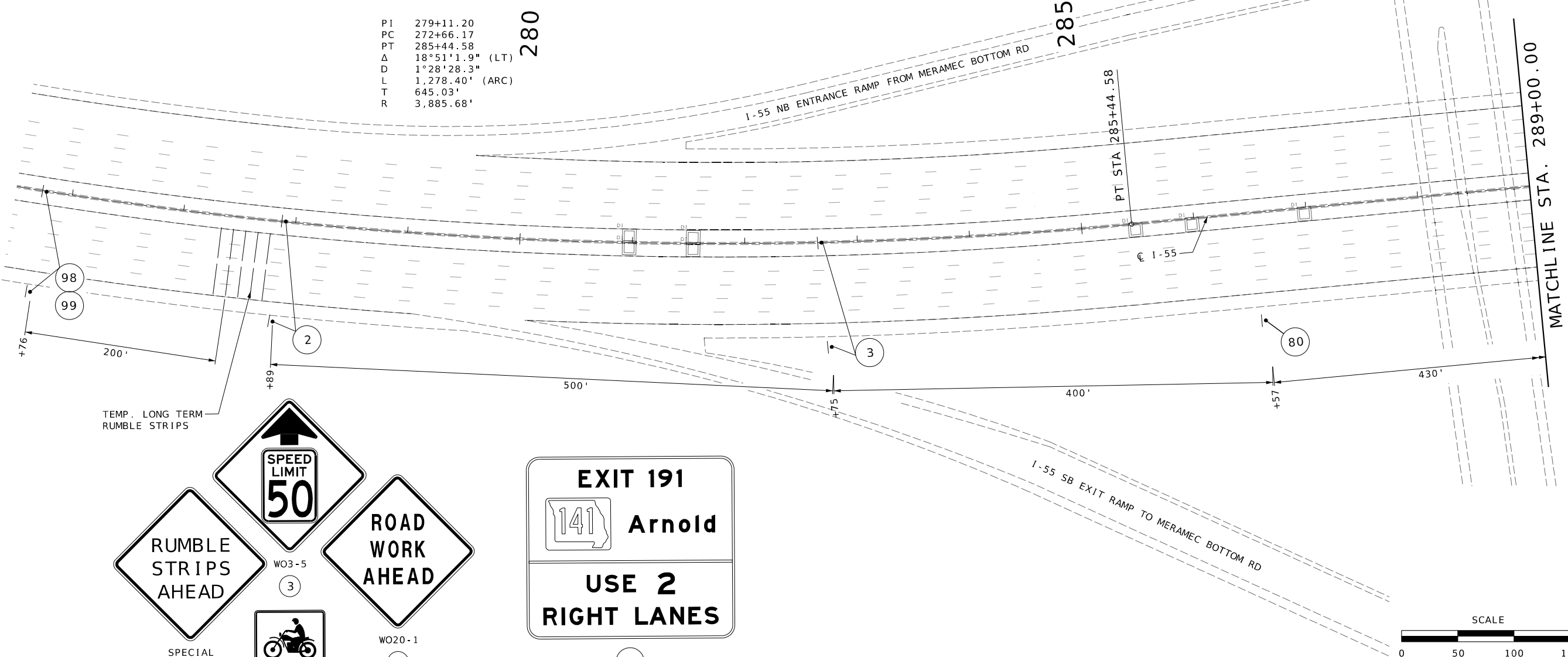
COUNTY ST LOUIS/JEFFERSON
JOB NO. J613290
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

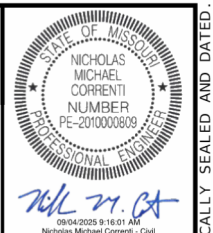
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr Suite 250 St. Louis, MO 63021
Phone 314-394-3100 Fax 314-394-3199
Missouri Certificate of Authority: 001578



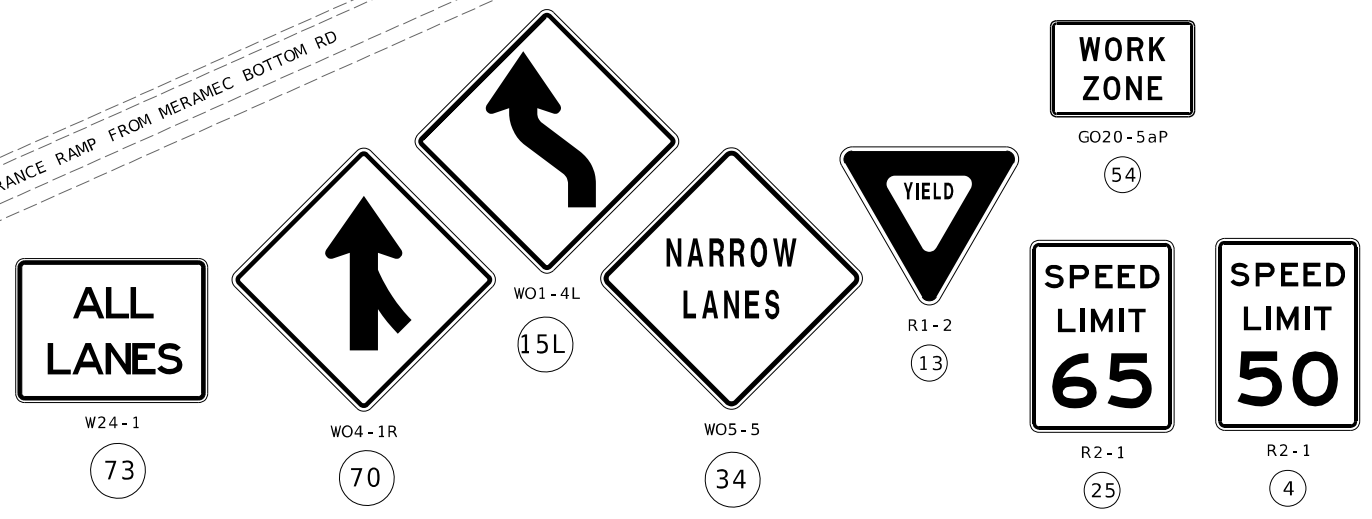
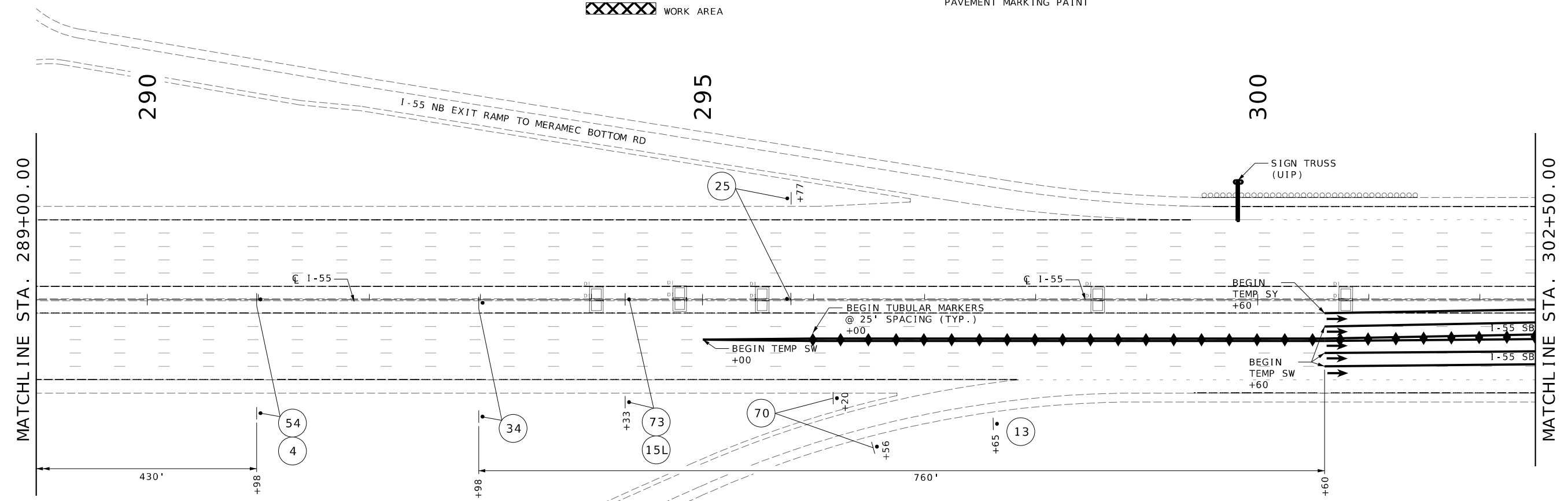
TRAFFIC CONTROL SHEET 18 OF 50
STAGE 1 SHEET 1 OF 8

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- TRAFFIC CONTROL KEY**
- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
 - ┆ SIGN
 - ◆ TUBULAR MARKERS
 - ⌈ TYPE III MOVEABLE BARRICADE
 - IMPACT ATTENUATORS
 - TEMPORARY NARROW CRASH CUSHION
 - ← TRAVEL DIRECTION
 - ⋯ TEMP. LONG-TERM RUMBLE STRIPS
 - XXXXXX WORK AREA
 - ⋯ FLASHING ARROW PANEL
 - ☐ CHANGEABLE MESSAGE SIGN
 - ☑ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



TRAFFIC CONTROL
 SHEET 19 OF 50
 STAGE 1
 SHEET 2 OF 8

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

DATE	DESCRIPTION

STATE OF MISSOURI
 NICHOLAS MICHAEL CORRENTI
 NUMBER PE-2010000809
 PROFESSIONAL ENGINEER
 09/04/2025 9:16:01 AM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809
 DATE PREPARED 9/4/2025
 ROUTE I-55 STATE MO
 DISTRICT SL SHEET NO. 28
 COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

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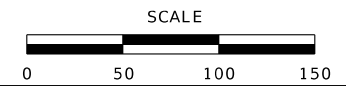
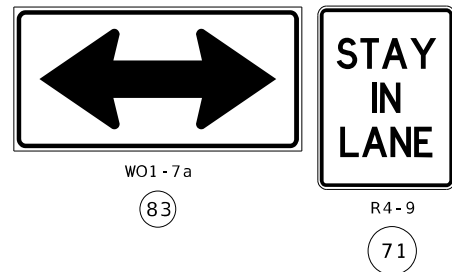
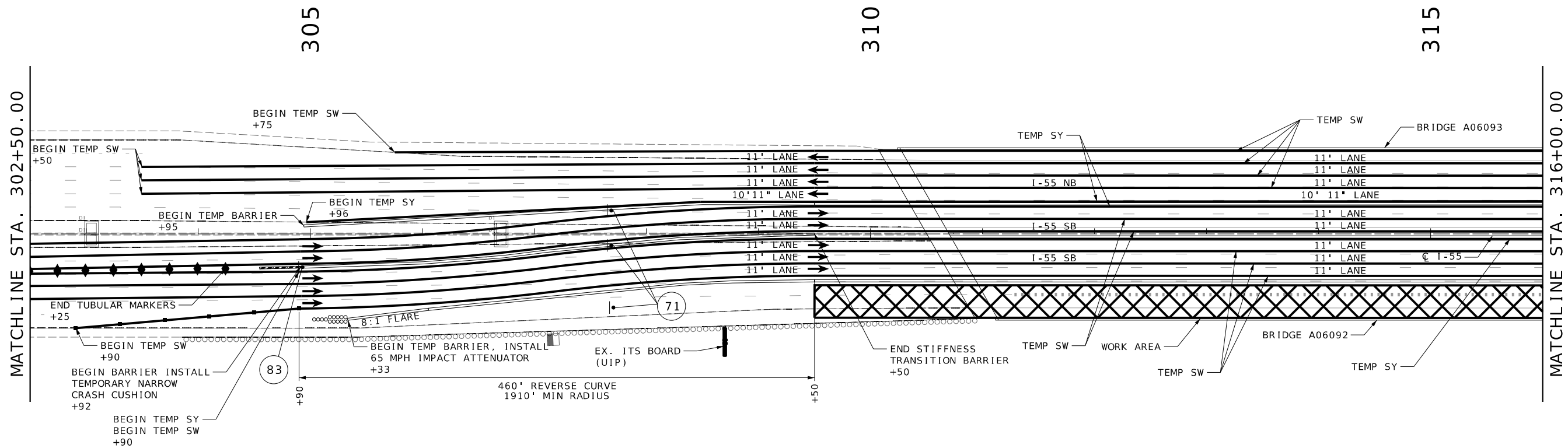
TRAFFIC CONTROL KEY

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DATE PREPARED 9/4/2025	
ROUTE I-55	STATE MO
DISTRICT SL	SHEET NO. 29
COUNTY ST LOUIS/JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



TRAFFIC CONTROL
 SHEET 20 OF 50
 STAGE 1
 SHEET 3 OF 8

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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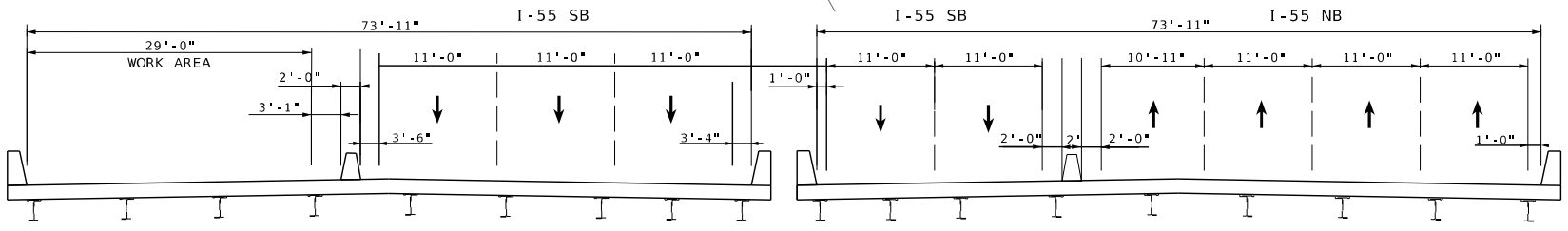
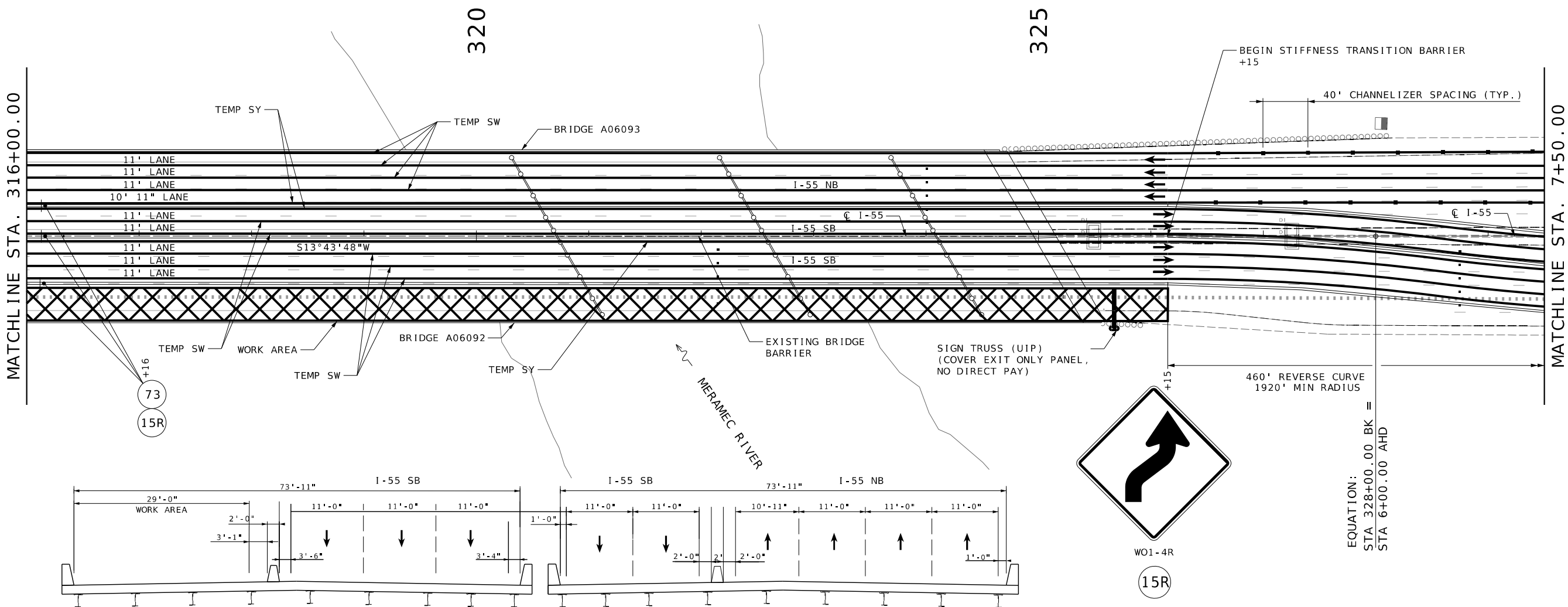
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DATE PREPARED 9/4/2025	
ROUTE I-55	STATE MO
DISTRICT SL	SHEET NO. 30
COUNTY ST LOUIS/JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

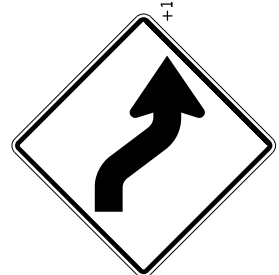
TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- E TYPE III MOVEABLE BARRICADE
- ∞∞∞∞ IMPACT ATTENUATORS
- ▬▬▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
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- CHANGEABLE MESSAGE SIGN
- TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



STAGE 1

FOR STAGE 1, THE NORTHERN PORTION OF BRIDGE A06092 SHALL BE CLOSED OFF WHILE THREE LANES OF SOUTHBOUND TRAVEL REMAIN. AN ADDITIONAL TWO SOUTHBOUND TRAVEL LANES SHALL BE CROSSED OVER ONTO BRIDGE A06093, WHILE MAINTAINING FOUR DEDICATED NORTHBOUND LANES.



W01-4R



W24-1



TRAFFIC CONTROL
 SHEET 21 OF 50
 STAGE 1
 SHEET 4 OF 8

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
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 Missouri Certificate of Authority: 001578

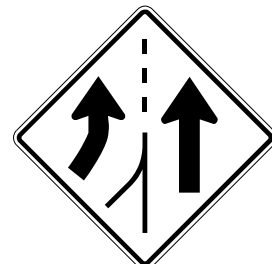
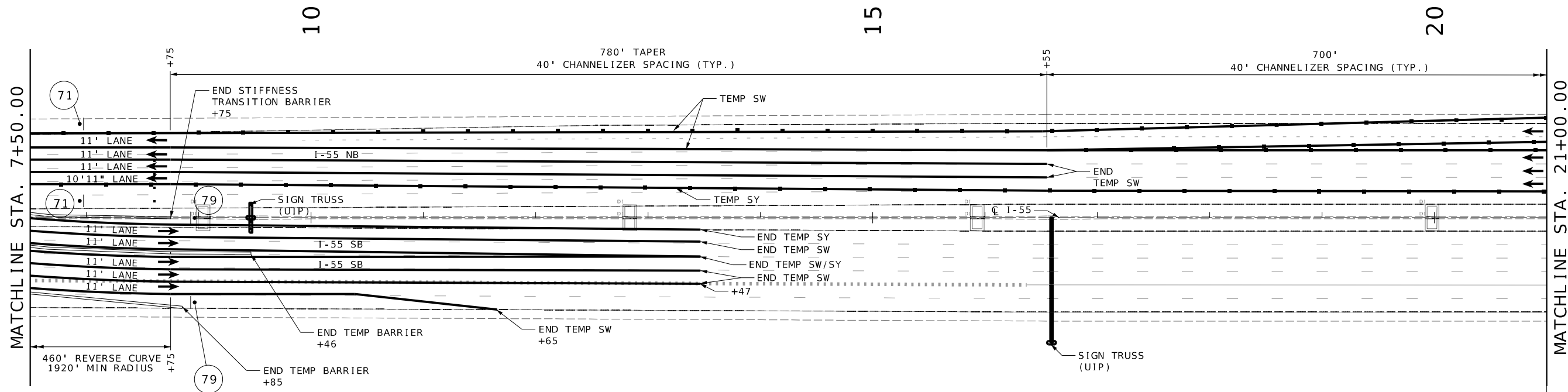
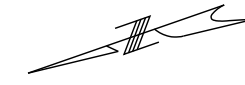
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TRAFFIC CONTROL KEY

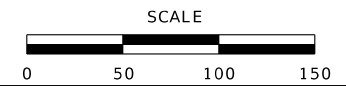
- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ↳ SIGN
- ◆ TUBULAR MARKERS
- ┌ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
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- ⋯ TEMP. LONG-TERM RUMBLE STRIPS
- ▬ WORK AREA
- ▭ FLASHING ARROW PANEL
- ▭ CHANGEABLE MESSAGE SIGN
- ▭ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



W04-3L



R4-9



TRAFFIC CONTROL
 SHEET 22 OF 50

STAGE 1
 SHEET 5 OF 8

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design

13523 Barrett Parkway Dr
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TRAFFIC CONTROL KEY

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- ⋯⋯⋯ FLASHING ARROW PANEL
- ⌈ CHANGEABLE MESSAGE SIGN
- ⌈ TRUCK MOUNTED ATTENUATOR (TMA)
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N.M. Correnti
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED
 9/4/2025

ROUTE STATE
 I - 55 MO

DISTRICT SHEET NO.
 SL 32

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MISSOURI HIGHWAYS AND TRANSPORTATION

COMMISSION

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

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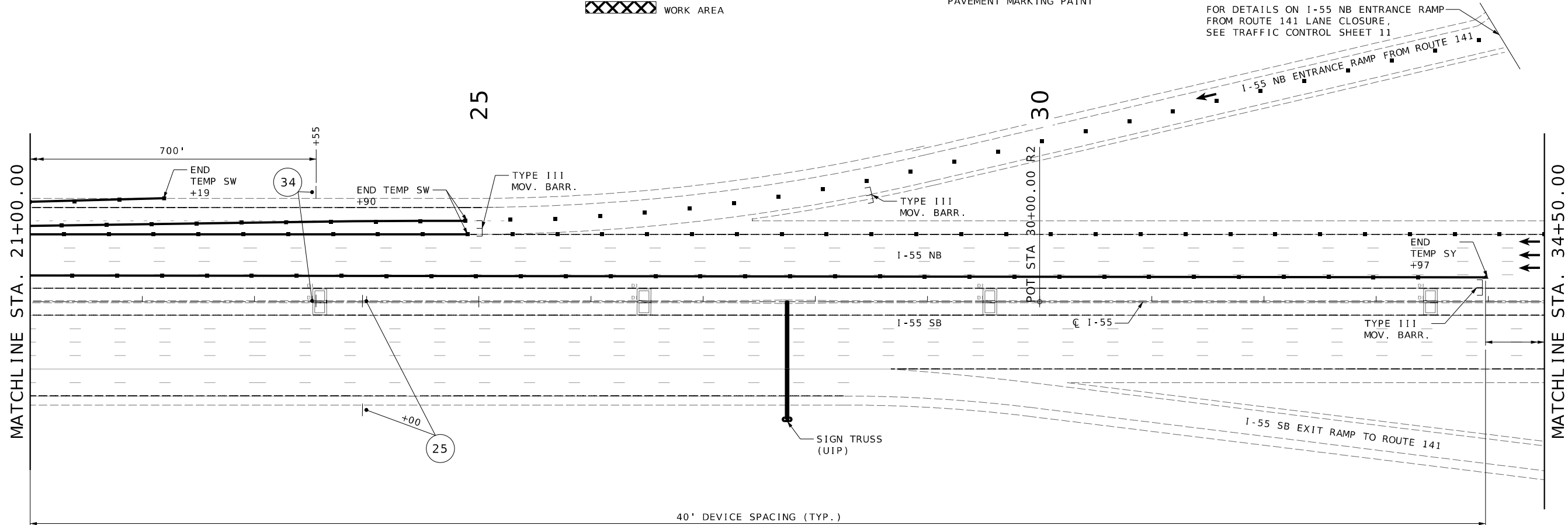
1-888-ASK-MODOT (1-888-275-6636)

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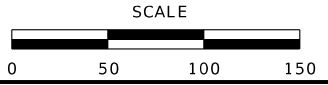
FOR DETAILS ON I-55 NB ENTRANCE RAMP FROM ROUTE 141 LANE CLOSURE, SEE TRAFFIC CONTROL SHEET 11



W05-5
 34



R2-1
 25



SCALE
 0 50 100 150

TRAFFIC CONTROL SHEET 23 OF 50

STAGE 1 SHEET 6 OF 8

EFK Moen
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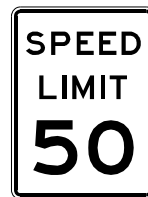
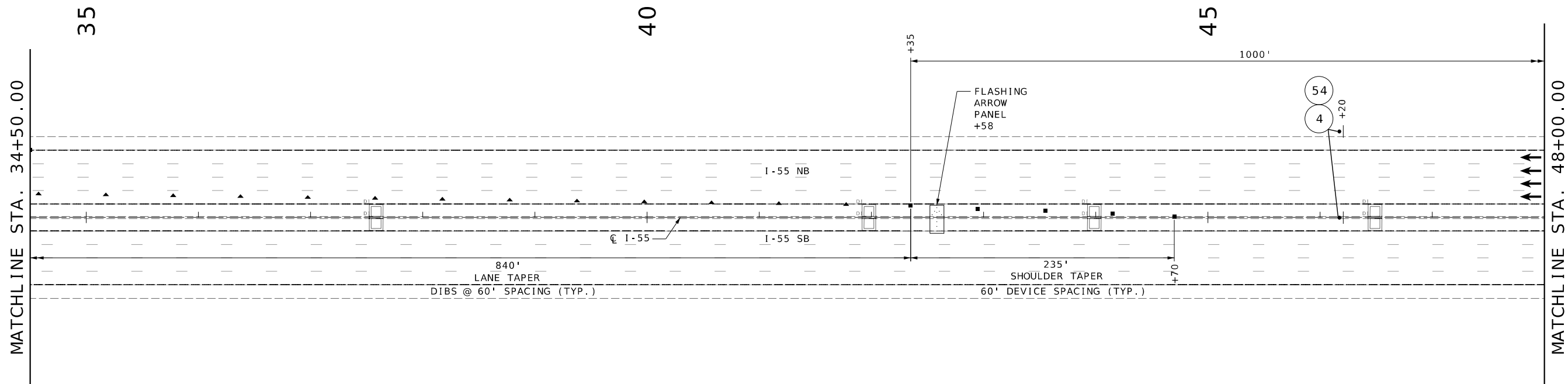
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DATE PREPARED
 9/4/2025
 ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 33
 COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

TRAFFIC CONTROL KEY

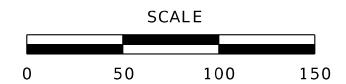
- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ↳ SIGN
- ◆ TUBULAR MARKERS
- ⌈ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ⋯ TEMP. LONG-TERM RUMBLE STRIPS
- ▩ WORK AREA
- ⋮ FLASHING ARROW PANEL
- ⌈ CHANGEABLE MESSAGE SIGN
- ⊠ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



R2-1
 (4)



GO20-5aP
 (54)



TRAFFIC CONTROL
 SHEET 24 OF 50
 STAGE 1
 SHEET 7 OF 8

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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TRAFFIC CONTROL KEY

- CHANNELIZER
 - DIRECTIONAL INDICATOR BARRICADE
 - SIGN
 - TUBULAR MARKERS
 - TYPE III MOVEABLE BARRICADE
 - IMPACT ATTENUATORS
 - TEMPORARY NARROW CRASH CUSHION
 - TRAVEL DIRECTION
 - TEMP. LONG-TERM RUMBLE STRIPS
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 - TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
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DATE PREPARED
 9/4/2025

ROUTE STATE
 I - 55 MO
 DISTRICT SHEET NO.
 SL 34

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

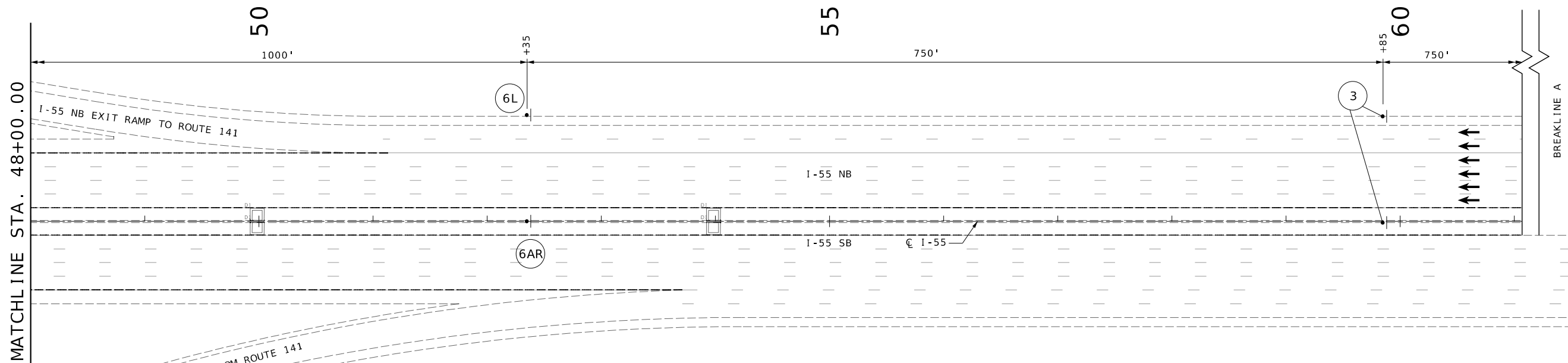
BRIDGE NO.

DATE	DESCRIPTION

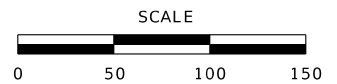
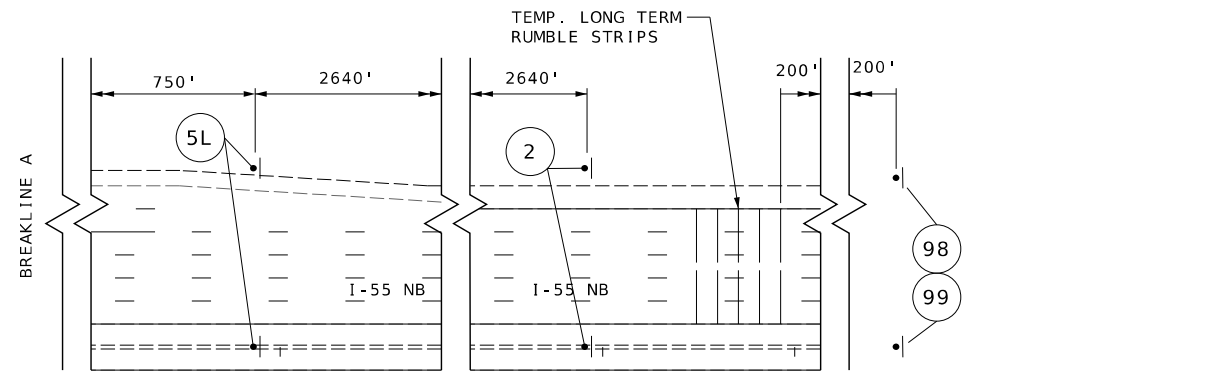
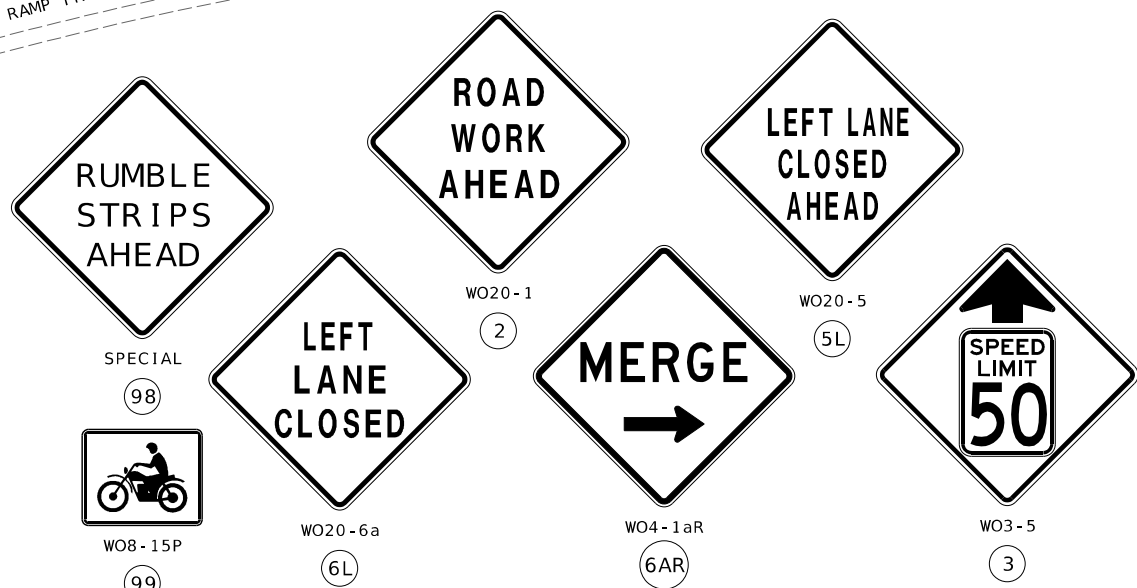
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
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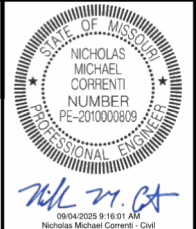
MATCHLINE STA. 48+00.00



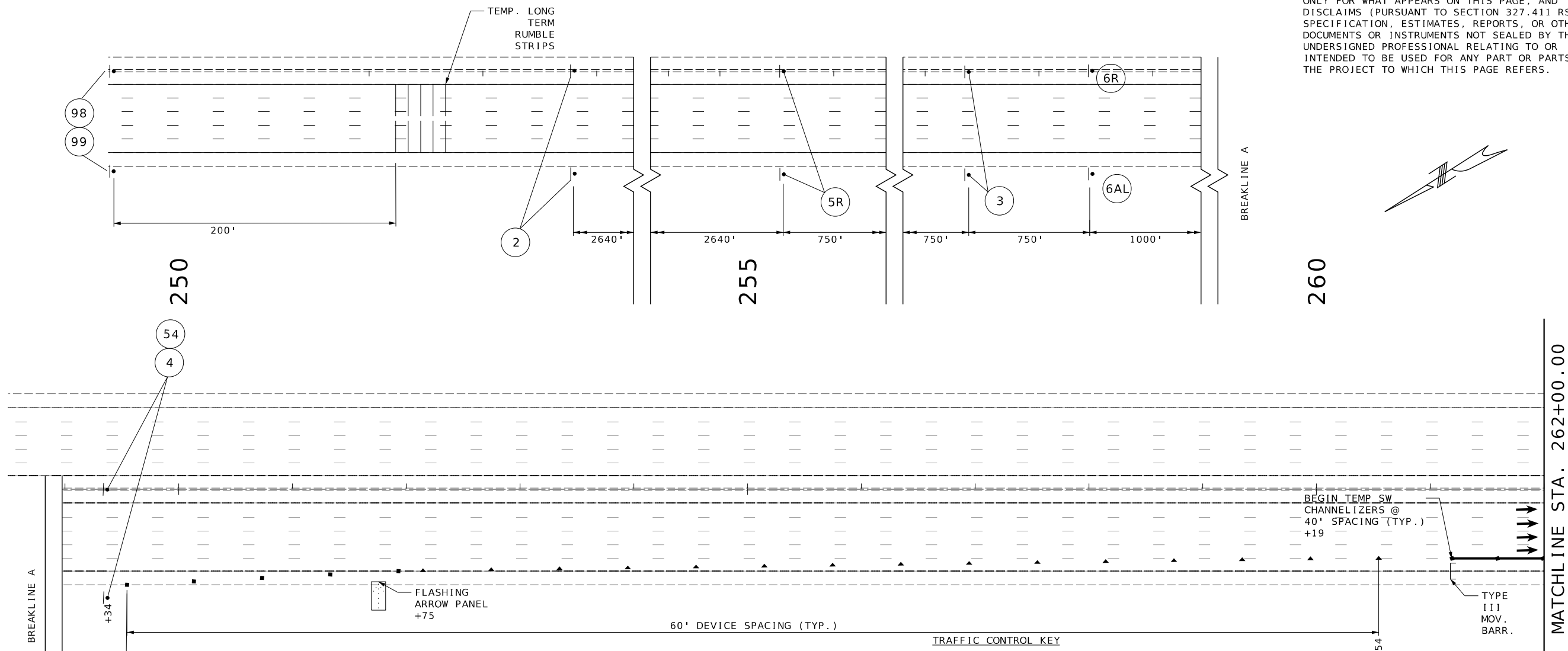
TRAFFIC CONTROL
 SHEET 25 OF 50
 STAGE 1
 SHEET 8 OF 8

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DATE PREPARED
 9/4/2025
 ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 35
 COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.



TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ▽ SIGN
- ◆ TUBULAR MARKERS
- E TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- ▨ FLASHING ARROW PANEL
- ▩ CHANGEABLE MESSAGE SIGN
- ☒ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT

GENERAL TRAFFIC CONTROL NOTES:

1. ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED AT NO DIRECT PAY.
2. PLACEMENT OF TRAFFIC CONTROL SIGNS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
3. SIGN AND DEVICE LOCATIONS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
4. ANY EXISTING PAVEMENT MARKING THAT CONFLICTS WITH THE TRAFFIC CONTROL STRIPING SHALL BE COMPLETELY REMOVED.



TRAFFIC CONTROL
 SHEET 26 OF 50
 STAGE 2
 SHEET 1 OF 10

DATE	DESCRIPTION

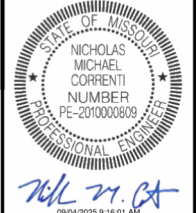
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
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DATE PREPARED
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ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	36

COUNTY
 ST LOUIS/JEFFERSON

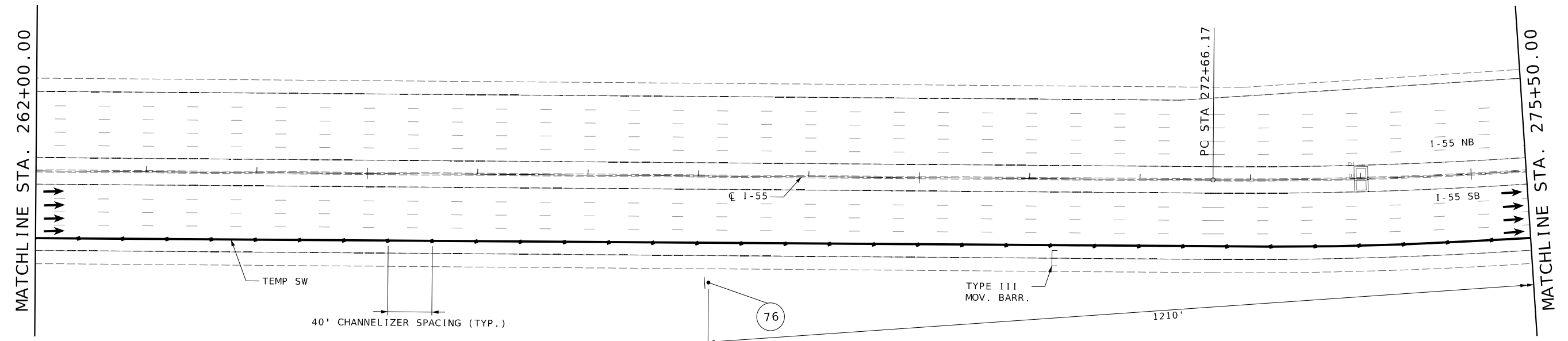
JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

- TRAFFIC CONTROL KEY
- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
 - ▮ SIGN
 - ◆ TUBULAR MARKERS
 - E TYPE III MOVEABLE BARRICADE
 - ∞ IMPACT ATTENUATORS
 - TEMPORARY NARROW CRASH CUSHION
 - ← TRAVEL DIRECTION
 - ⋯ TEMP. LONG-TERM RUMBLE STRIPS
 - XXXXX WORK AREA
 - FLASHING ARROW PANEL
 - ▩ CHANGEABLE MESSAGE SIGN
 - ⊠ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



E05-2
 (76)



SCALE

0 50 100 150

TRAFFIC CONTROL
 SHEET 27 OF 50

STAGE 2
 SHEET 2 OF 10

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen

Civil Engineering Design

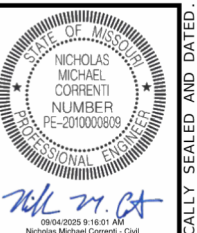
13523 Barrett Parkway Dr
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 St. Louis, MO 63021
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DATE PREPARED
 9/4/2025

ROUTE
 I-55

STATE
 MO

DISTRICT
 SL

SHEET NO.
 37

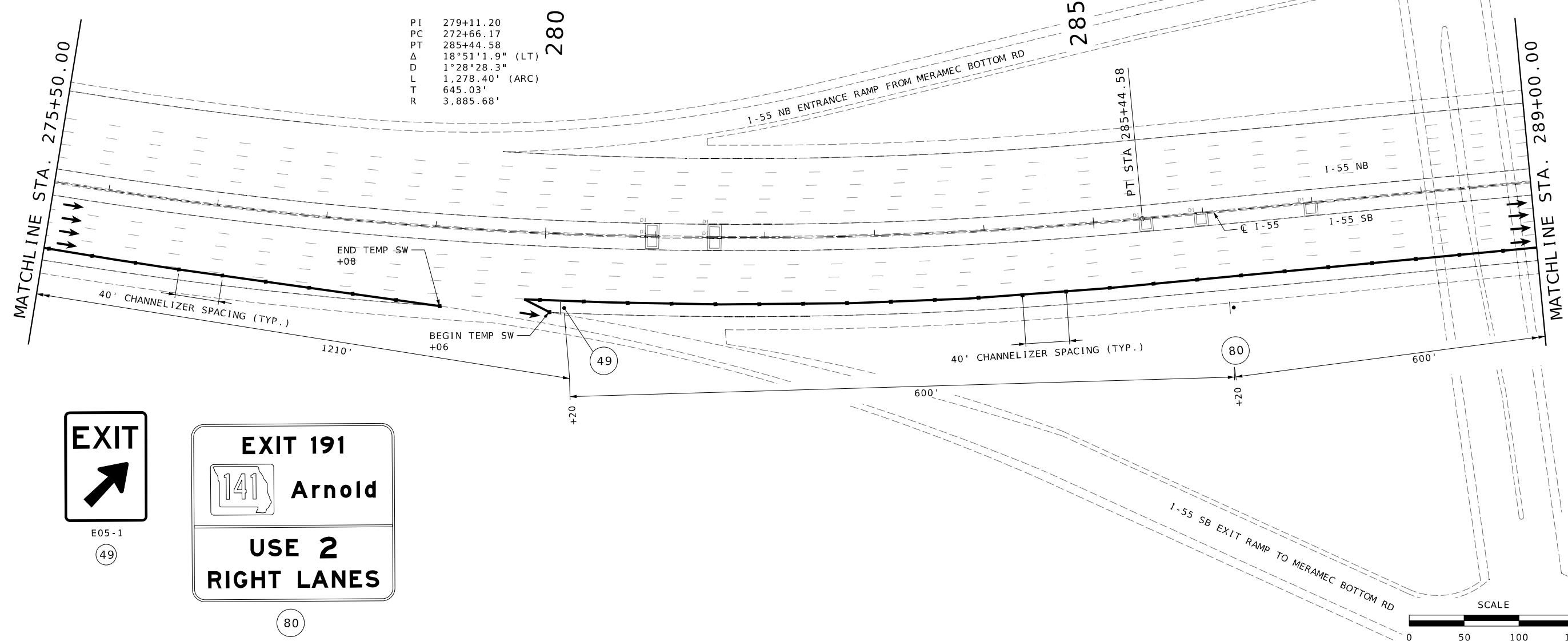
COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

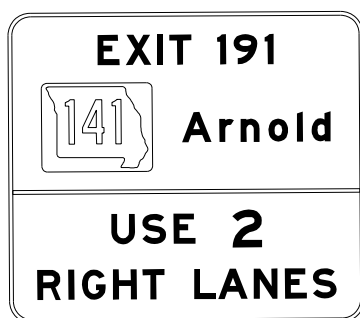
CONTRACT ID.

PROJECT NO.

BRIDGE NO.



E05-1
 49



80

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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 JEFFERSON CITY, MO 65102
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 St. Louis, MO 63021
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TRAFFIC CONTROL
 SHEET 28 OF 50

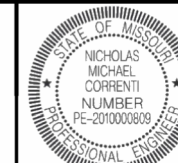
STAGE 2
 SHEET 3 OF 10

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TRAFFIC CONTROL KEY

- CHANNELIZER
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- ┆ SIGN
- ◆ TUBULAR MARKERS
- ▭ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
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- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
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 DATE PREPARED
 9/4/2025

ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 38

COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DESCRIPTION
 DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

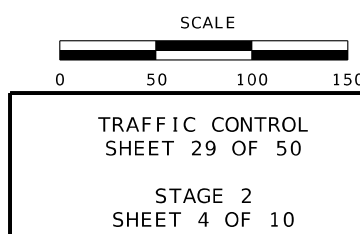
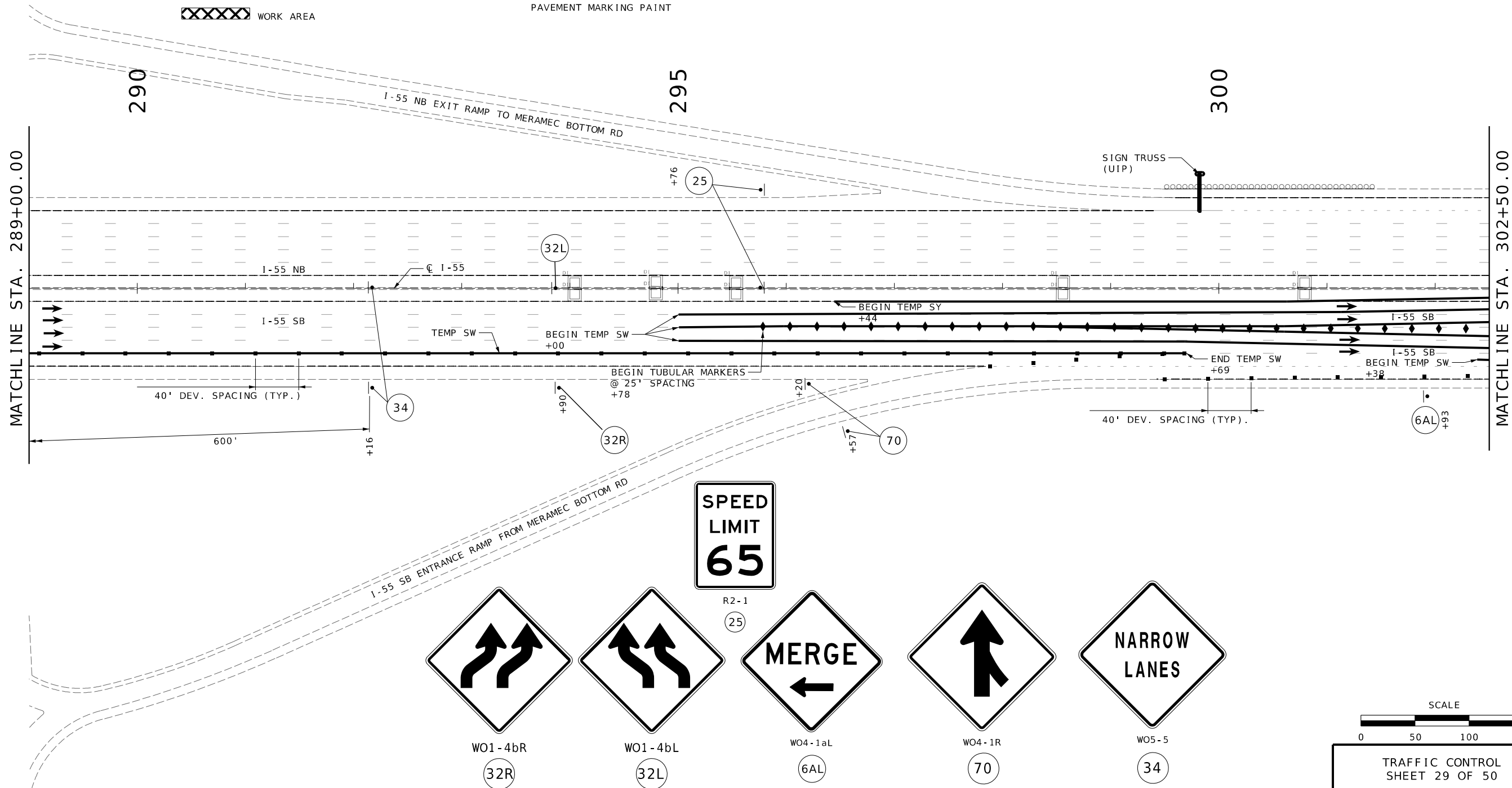
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

MoDOT

TRAFFIC CONTROL SHEET 29 OF 50

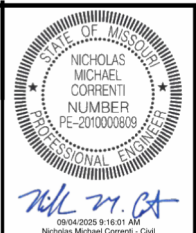
STAGE 2 SHEET 4 OF 10

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
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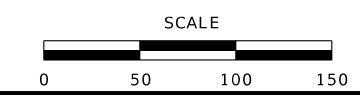
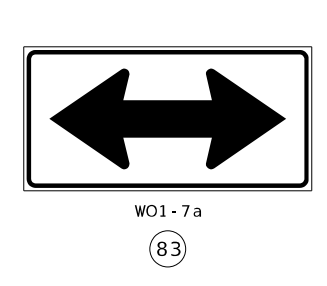
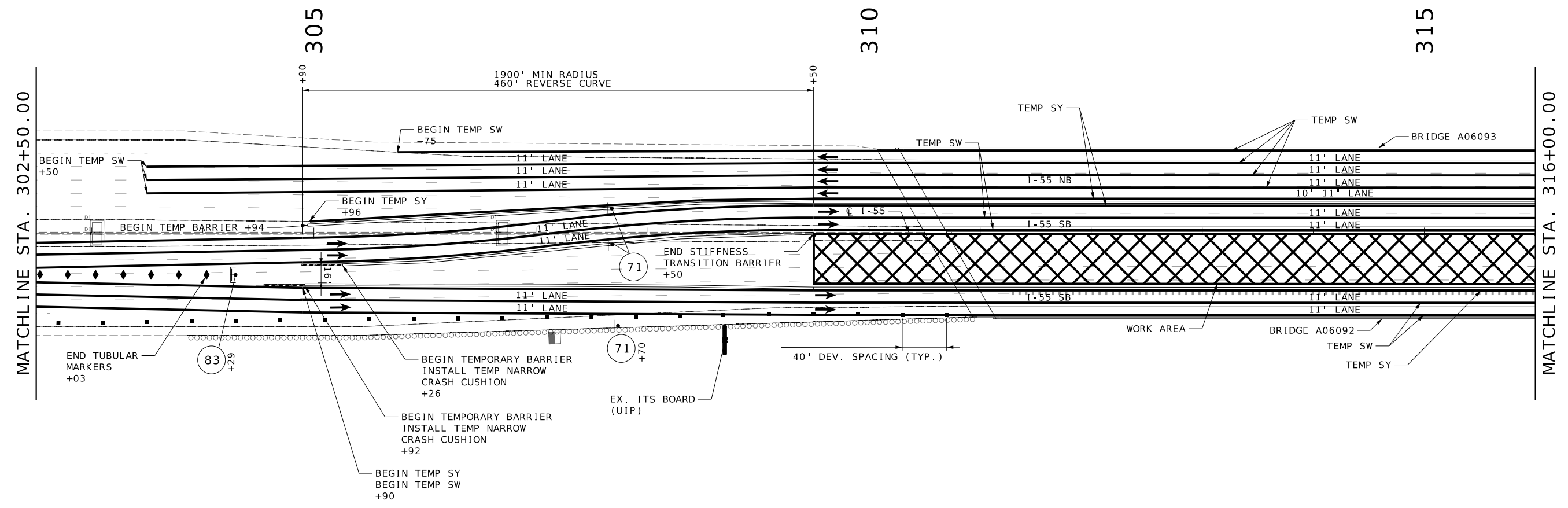
ROUTE STATE
 I-55 MO
 DISTRICT SHEET NO.
 SL 39

COUNTY
 ST LOUIS/JEFFERSON
 JOB NO.
 J613290
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ▬ SIGN
- ◆ TUBULAR MARKERS
- ⌈ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- ⬮ FLASHING ARROW PANEL
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- ☒ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



TRAFFIC CONTROL
 SHEET 30 OF 50
 STAGE 2
 SHEET 5 OF 10

DATE	DESCRIPTION

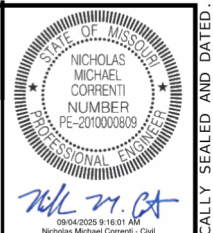
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
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 St. Louis, MO 63021
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DATE PREPARED
9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	40

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

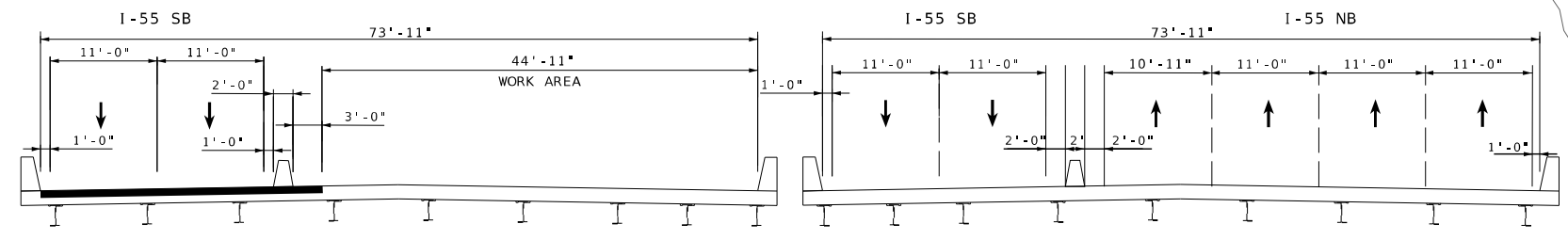
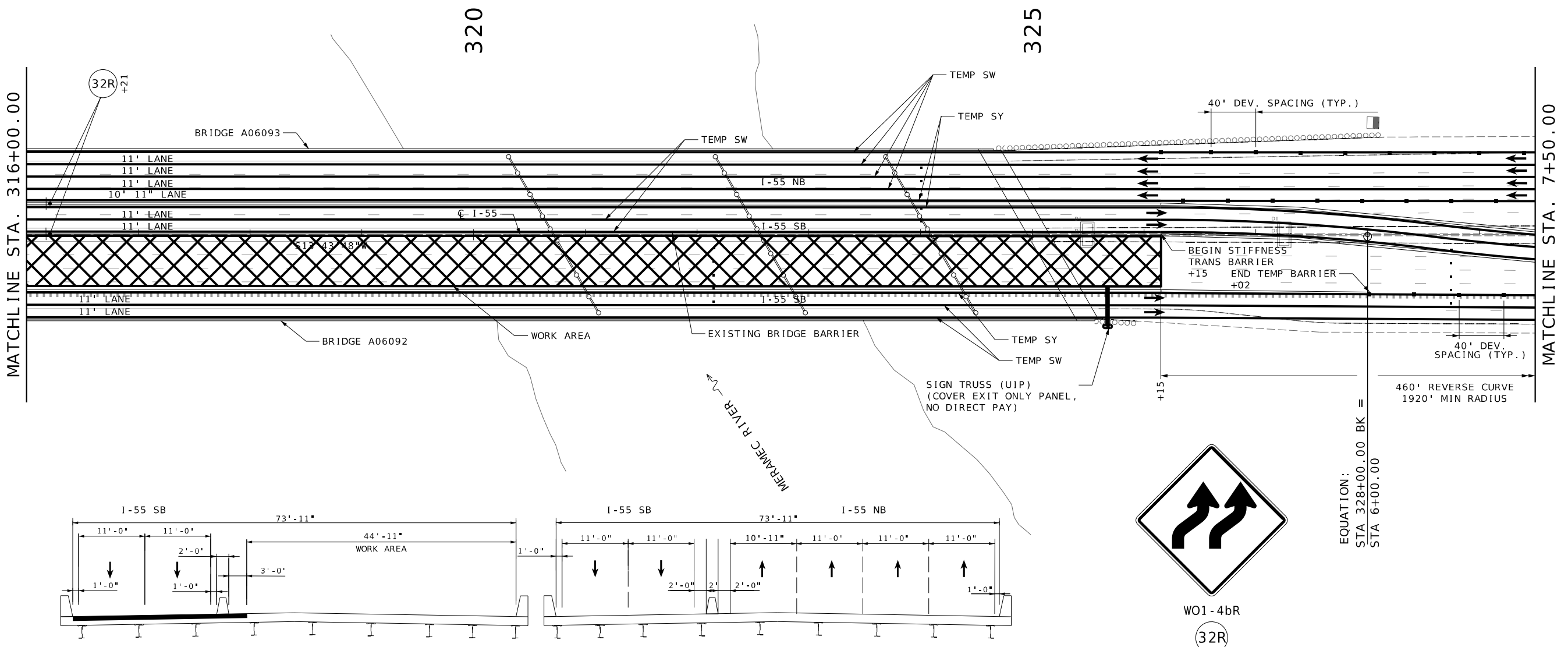
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PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL KEY

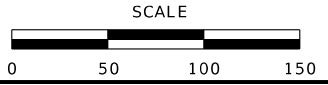
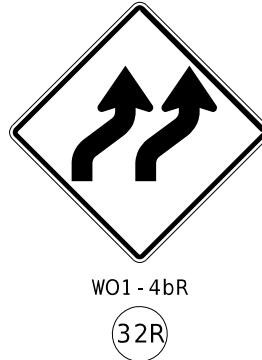
- CHANNELIZER
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 - ┆ SIGN
 - ◆ TUBULAR MARKERS
 - E TYPE III MOVEABLE BARRICADE
 - ∞ IMPACT ATTENUATORS
 - TEMPORARY NARROW CRASH CUSHION
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 - ||||| TEMP. LONG-TERM RUMBLE STRIPS
 - XXXXX WORK AREA
 - FLASHING ARROW PANEL
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



STAGE 2

FOR STAGE 2, THE COMPLETED NORTHERN PORTION OF BRIDGE A06092 SHALL BE USED TO HOST TWO SOUTHBOUND TRAVEL LANES. TWO ADDITIONAL SOUTHBOUND LANES SHALL BE INSTALLED ON BRIDGE A06093 WHILE THE REMAINDER OF BRIDGE A06092 IS CONSTRUCTED. IN ADDITION TO THE TWO SOUTHBOUND LANES, BRIDGE A06093 SHALL HAVE FOUR DEDICATED NORTHBOUND LANES.

EQUATION:
 STA 328+00.00 BK =
 STA 6+00.00



TRAFFIC CONTROL
 SHEET 31 OF 50

STAGE 2
 SHEET 6 OF 10

DATE	DESCRIPTION

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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N.M. Correnti
 DATE PREPARED
 9/4/2025

ROUTE STATE
 I-55 MO

DISTRICT SHEET NO.
 SL 41

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

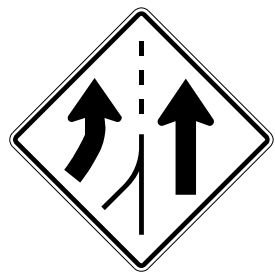
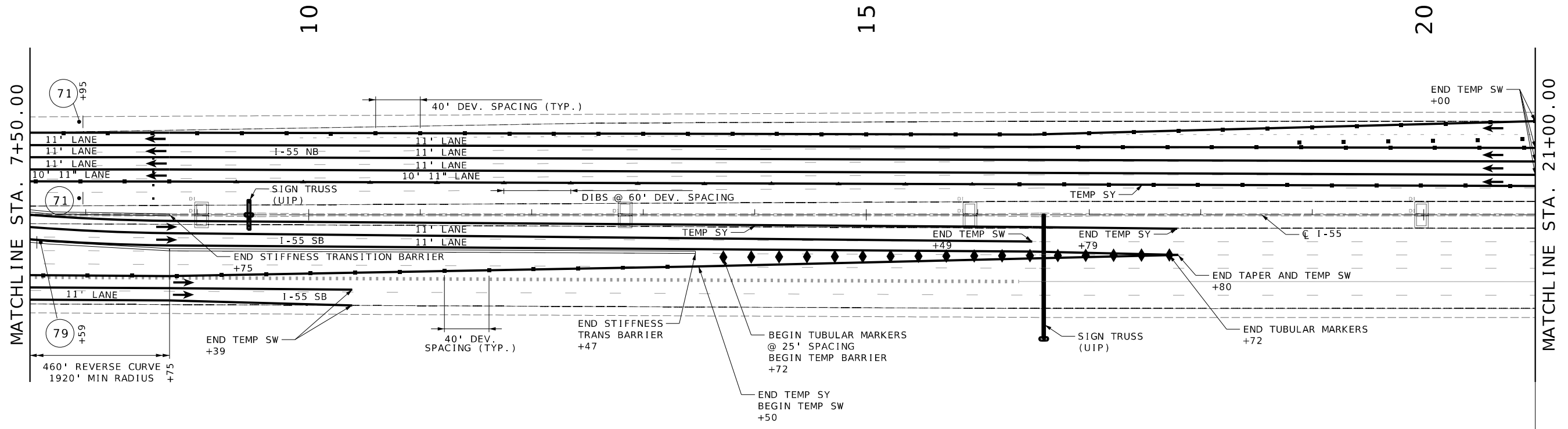
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- ⌈ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- ◻ FLASHING ARROW PANEL
- ☐ CHANGEABLE MESSAGE SIGN
- ☐ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



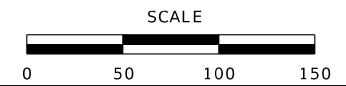
W04-3L

79



R4-9

71



TRAFFIC CONTROL
 SHEET 32 OF 50

STAGE 2
 SHEET 7 OF 10

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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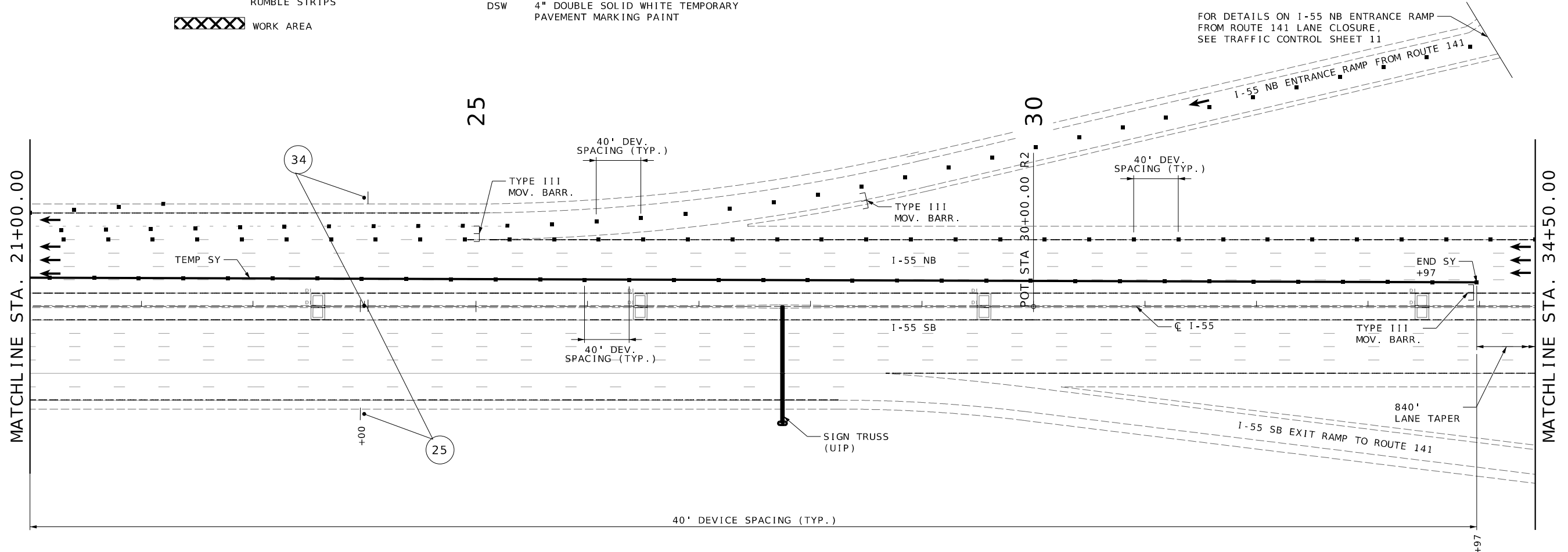


TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- [TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- FLASHING ARROW PANEL
- ▢ CHANGEABLE MESSAGE SIGN
- ☒ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



FOR DETAILS ON I-55 NB ENTRANCE RAMP FROM ROUTE 141 LANE CLOSURE, SEE TRAFFIC CONTROL SHEET 11



TRAFFIC CONTROL
SHEET 33 OF 50
STAGE 2
SHEET 8 OF 10

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
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13523 Barrett Parkway Dr
Suite 250
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N.M. Correnti
 DATE PREPARED
 9/4/2025

ROUTE
 I-55 STATE
 MO

DISTRICT
 SL SHEET NO.
 43

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

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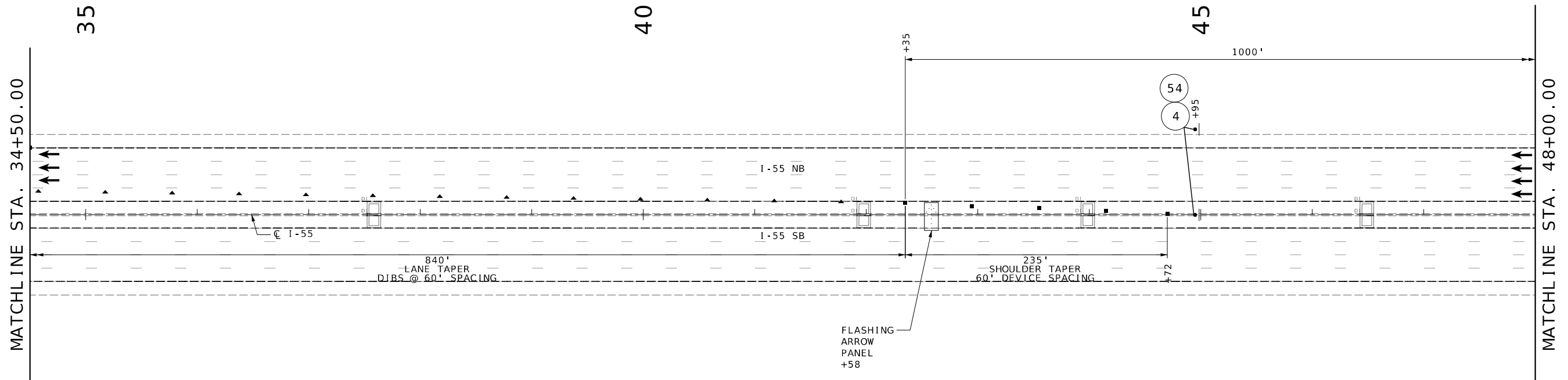
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DATE

DATE

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ⊥ SIGN
- ◆ TUBULAR MARKERS
- ⌈ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- ▭ FLASHING ARROW PANEL
- ⌈ CHANGEABLE MESSAGE SIGN
- ☑ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



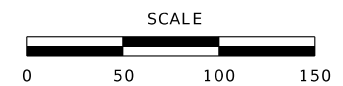
R2-1

4



GO20-5aP

54



TRAFFIC CONTROL
 SHEET 34 OF 50

STAGE 2
 SHEET 9 OF 10

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 Civil Engineering Design

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MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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TRAFFIC CONTROL KEY

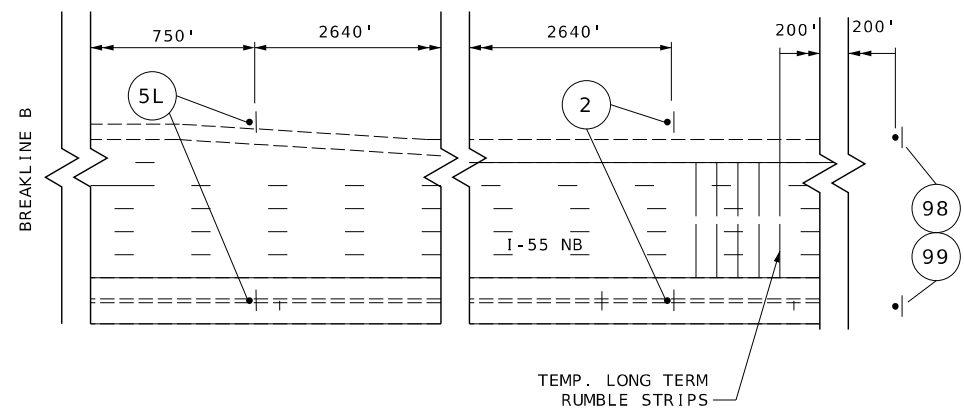
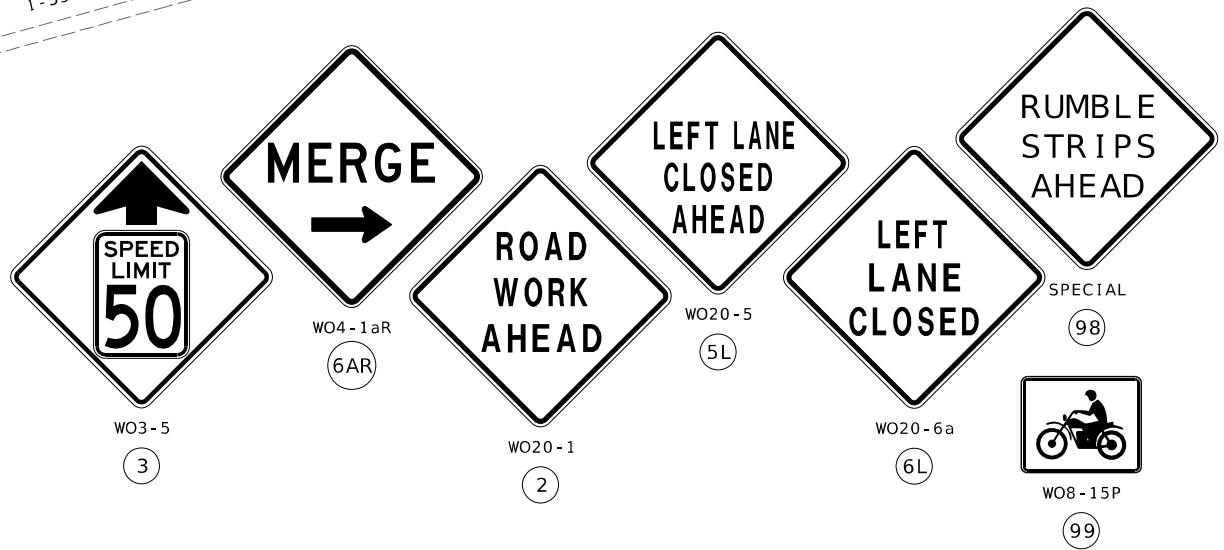
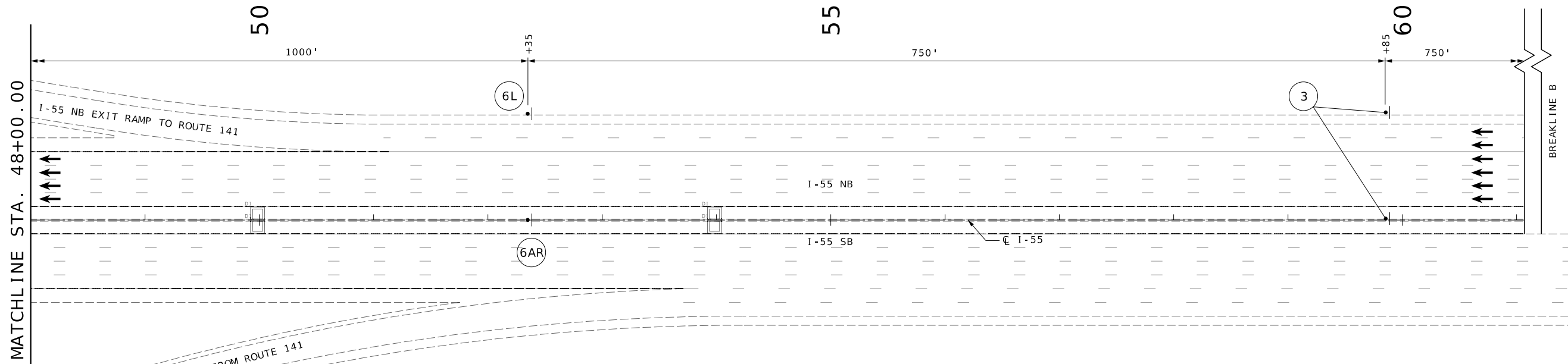
- | | |
|-----------------------------------|---|
| ■ CHANNELIZER | □ FLASHING ARROW PANEL |
| ▲ DIRECTIONAL INDICATOR BARRICADE | □ CHANGEABLE MESSAGE SIGN |
| ┆ SIGN | ☒ TRUCK MOUNTED ATTENUATOR (TMA) |
| ◆ TUBULAR MARKERS | SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT |
| ┆ TYPE III MOVEABLE BARRICADE | DW 12" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT |
| ∞ IMPACT ATTENUATORS | DSW 4" DOUBLE SOLID WHITE TEMPORARY
PAVEMENT MARKING PAINT |
| — TEMPORARY NARROW CRASH CUSHION | |
| ← TRAVEL DIRECTION | |
| ▬▬▬ TEMP. LONG-TERM RUMBLE STRIPS | |
| XXXXX WORK AREA | |

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DATE PREPARED
9/4/2025

ROUTE I-55	STATE MO
DISTRICT SL	SHEET NO. 44
COUNTY ST LOUIS/JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



TRAFFIC CONTROL
 SHEET 35 OF 50
 STAGE 2
 SHEET 10 OF 10

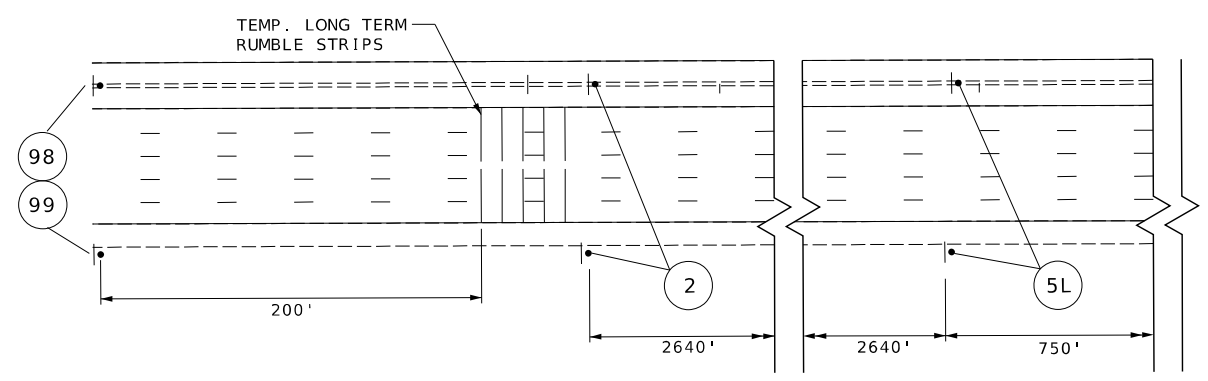
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
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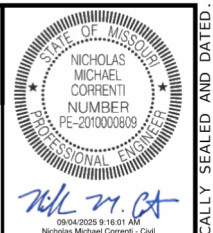
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



GENERAL TRAFFIC CONTROL NOTES:

1. ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED AT NO DIRECT PAY.
2. PLACEMENT OF TRAFFIC CONTROL SIGNS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
3. SIGN AND DEVICE LOCATIONS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
4. ANY EXISTING PAVEMENT MARKING THAT CONFLICTS WITH THE TRAFFIC CONTROL STRIPING SHALL BE COMPLETELY REMOVED.

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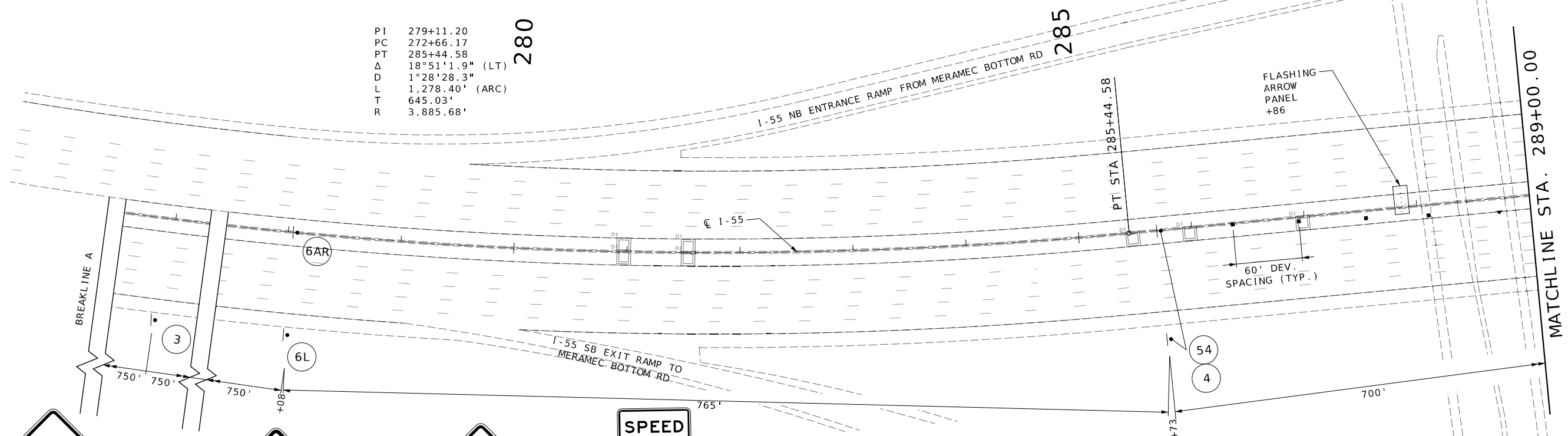


DATE PREPARED: 9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	45

COUNTY: ST LOUIS/JEFFERSON
 JOB NO.: J613290
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

PI 279+11.20
 PC 272+66.17
 PT 285+44.58
 Δ 18°51'1.9" (LT)
 D 1°28'28.3"
 L 1,278.40' (ARC)
 T 645.03'
 R 3,885.68'



TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- ┌ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ▬▬▬ TEMP. LONG-TERM RUMBLE STRIPS
- ▨ WORK AREA

- ▭ FLASHING ARROW PANEL
- ▧ CHANGEABLE MESSAGE SIGN
- ▣ TRUCK MOUNTED ATTENUATOR (TMA)

SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 DW: 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 DSW: 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT

SCALE: 0 50 100 150

TRAFFIC CONTROL SHEET 36 OF 50
 STAGE 3 SHEET 1 OF 6

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

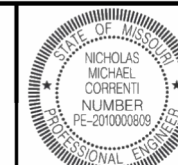
MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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N.M. Correnti
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED
 9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	46

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

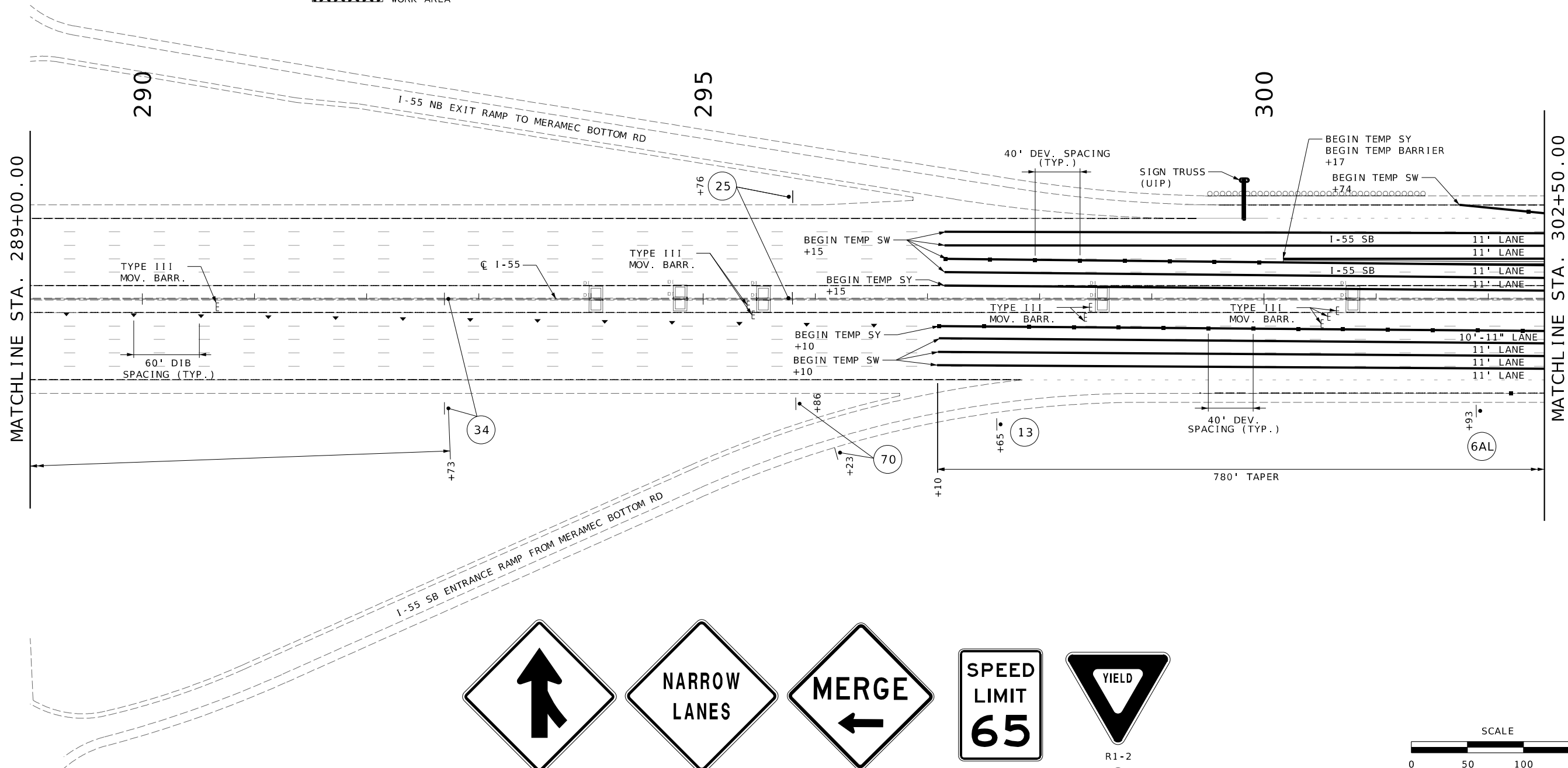


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 Civil Engineering Design
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 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
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 Missouri Certificate of Authority: 001578

TRAFFIC CONTROL KEY

- | | |
|-----------------------------------|--|
| ■ CHANNELIZER | ▭ FLASHING ARROW PANEL |
| ▲ DIRECTIONAL INDICATOR BARRICADE | ▭ CHANGEABLE MESSAGE SIGN |
| ↳ SIGN | ▭ TRUCK MOUNTED ATTENUATOR (TMA) |
| ◆ TUBULAR MARKERS | SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT |
| ▭ TYPE III MOVEABLE BARRICADE | DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT |
| ∞ IMPACT ATTENUATORS | DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT |
| ▬ TEMPORARY NARROW CRASH CUSHION | |
| ← TRAVEL DIRECTION | |
| TEMP. LONG-TERM RUMBLE STRIPS | |
| ▨ WORK AREA | |



WO4-1R
 70



WO5-5
 34



WO4-1aL
 6AL



R2-1
 25



R1-2
 13



TRAFFIC CONTROL SHEET 37 OF 50

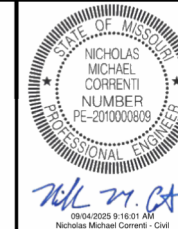
STAGE 3 SHEET 2 OF 6

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ↳ SIGN
- ◆ TUBULAR MARKERS
- ⌈ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- ⋯ FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN
- TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT

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DATE PREPARED
 9/4/2025

ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 47

COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.

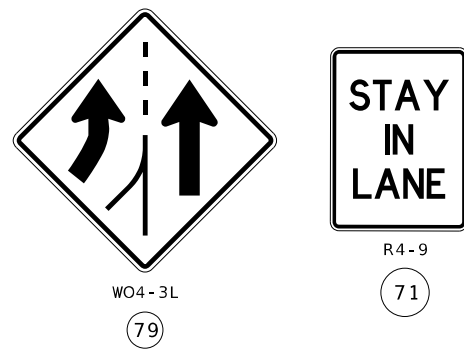
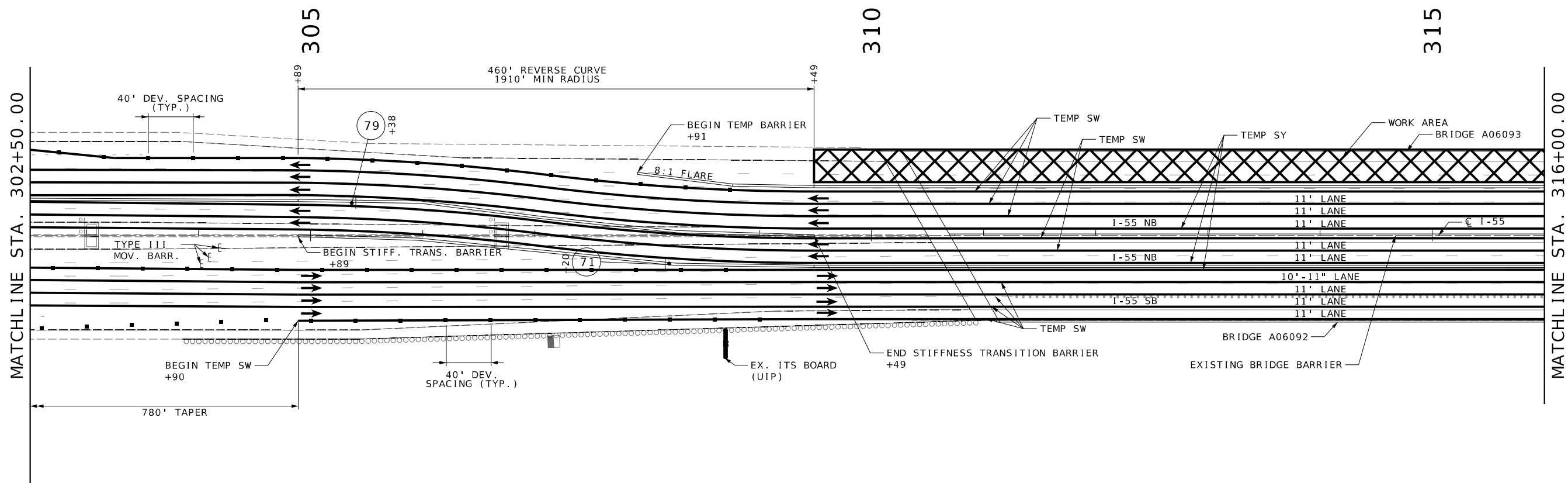
PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



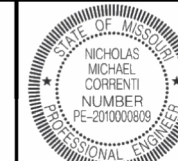
TRAFFIC CONTROL SHEET 38 OF 50
 STAGE 3 SHEET 3 OF 6

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- [TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN
- TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT

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N.M. Correnti
DATE PREPARED
9/4/2025

ROUTE I-55 STATE MO

DISTRICT SL SHEET NO. 48

COUNTY ST LOUIS/JEFFERSON

JOB NO. J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

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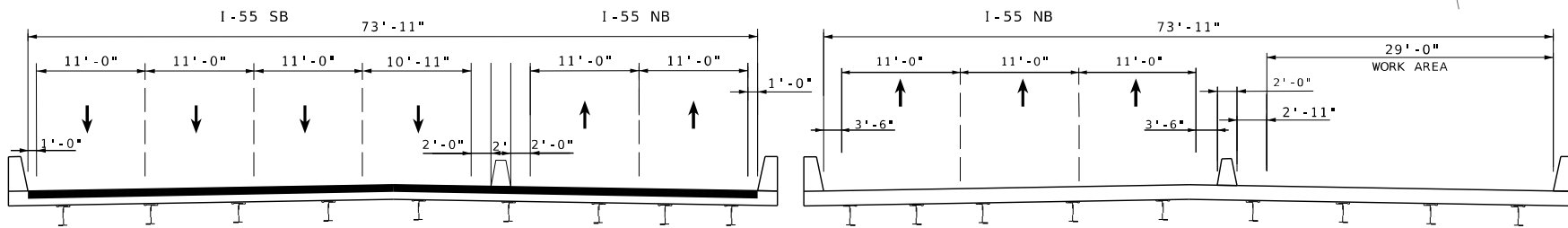
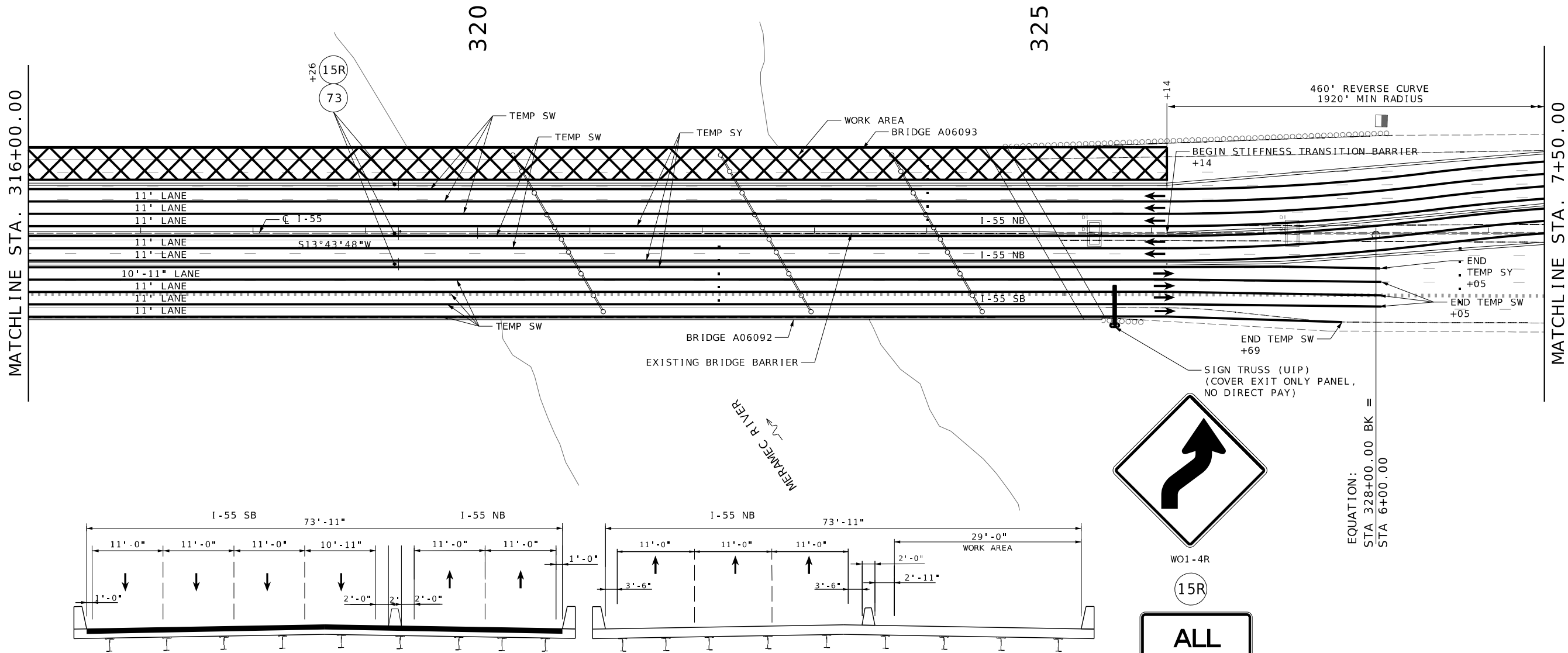
1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)



STAGE 3

FOR STAGE 3, THE SOUTHERN PORTION OF BRIDGE A06093 SHALL BE CLOSED OFF WHILE THREE LANES OF NORTHBOUND TRAVEL REMAIN. AN ADDITIONAL TWO NORTHBOUND TRAVEL LANES SHALL BE CROSSED OVER ONTO BRIDGE A06092, WHILE MAINTAINING FOUR DEDICATED SOUTHBOUND LANES.



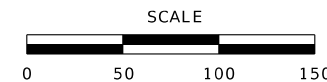
W01-4R

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W24-1

73



TRAFFIC CONTROL SHEET 39 OF 50
STAGE 3 SHEET 4 OF 6

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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St. Louis, MO 63021
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Missouri Certificate of Authority: 001578

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N.M. Correnti
 DATE PREPARED
 9/4/2025

ROUTE STATE
 I-55 MO

DISTRICT SHEET NO.
 SL 49

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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MoDOT

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MoDOT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

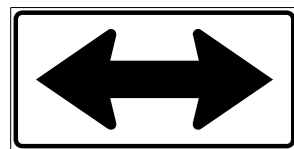
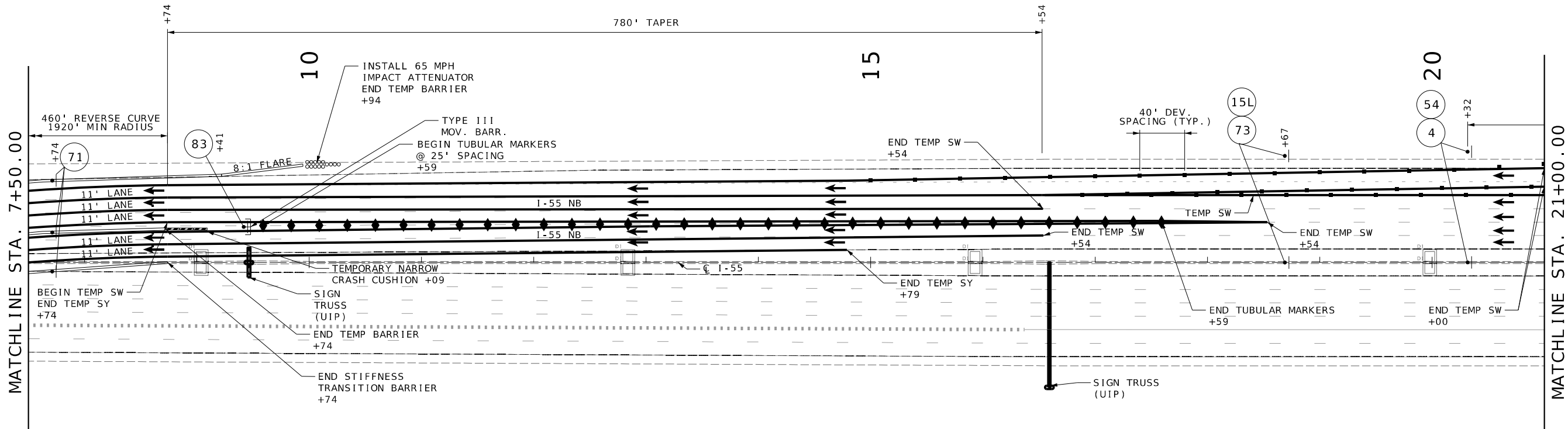
105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ⊥ SIGN
- ◆ TUBULAR MARKERS
- [TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN
- TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



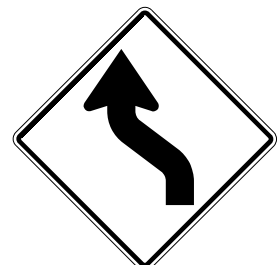
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R2-1

4



W01-4L

15L



R4-9

71



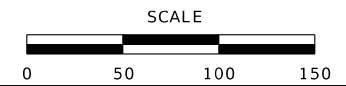
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73



GO20-5aP

54



TRAFFIC CONTROL SHEET 40 OF 50

STAGE 3 SHEET 5 OF 6

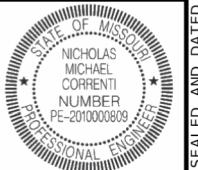
EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Missouri Certificate of Authority: 001578
 Phone 314-394-3100
 Fax 314-394-3199

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- [TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
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- CHANGEABLE MESSAGE SIGN
- TRUCK MOUNTED ATTENUATOR (TMA)
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- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT

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N.M. Correnti
 Nicholas Michael Correnti - Civil
 No. PE-2010000809

DATE PREPARED
 9/4/2025

ROUTE STATE
 I-55 MO

DISTRICT SHEET NO.
 SL 50

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

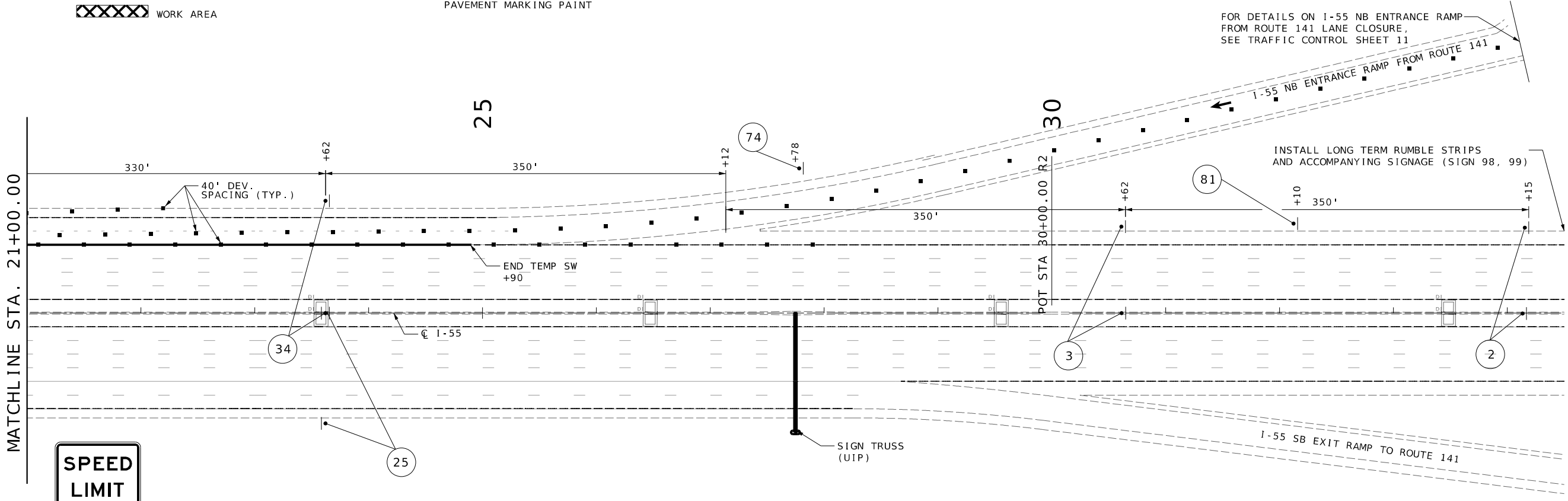
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
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 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



R2-1
 (25)



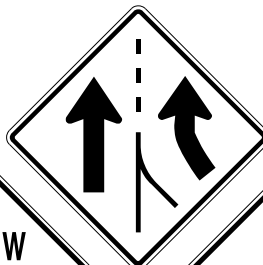
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W03-5
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W05-5
 (34)



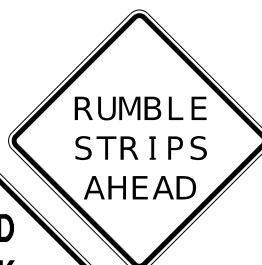
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W020-1
 (2)



W08-15P
 (99)



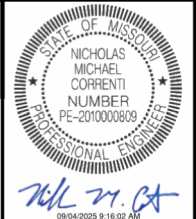
SPECIAL
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TRAFFIC CONTROL SHEET 41 OF 50
 STAGE 3 SHEET 6 OF 6

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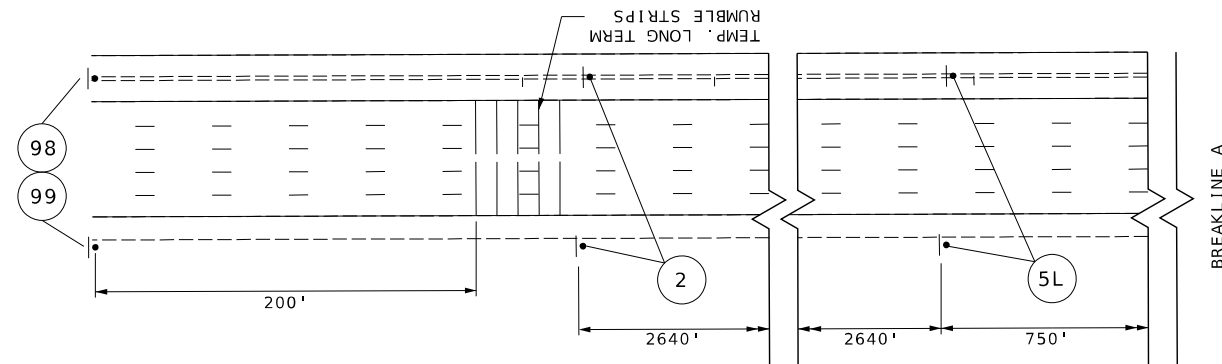
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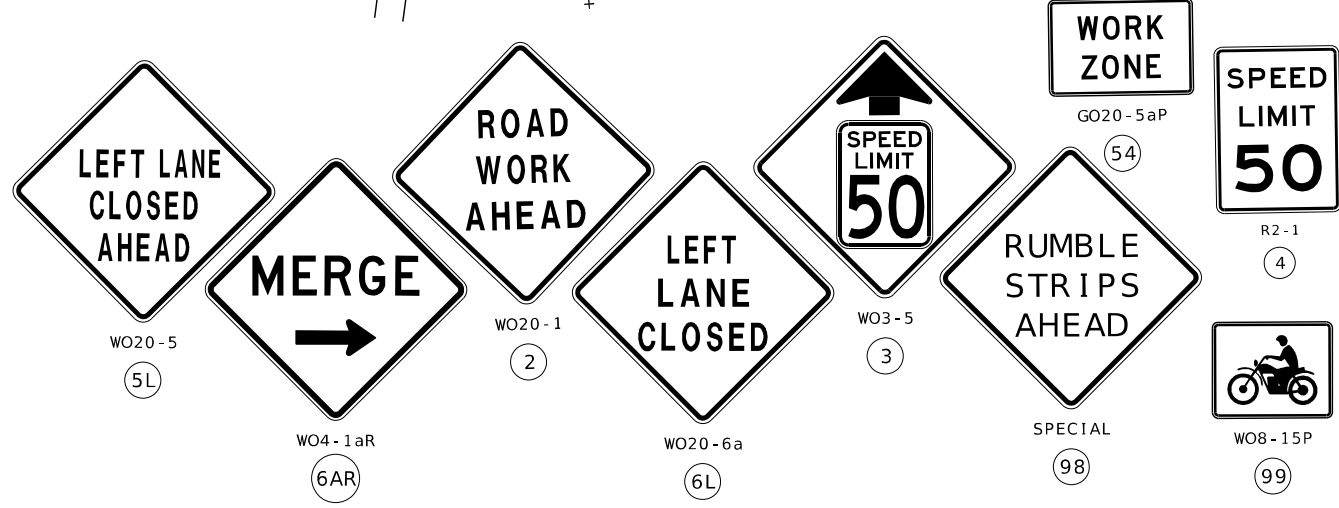
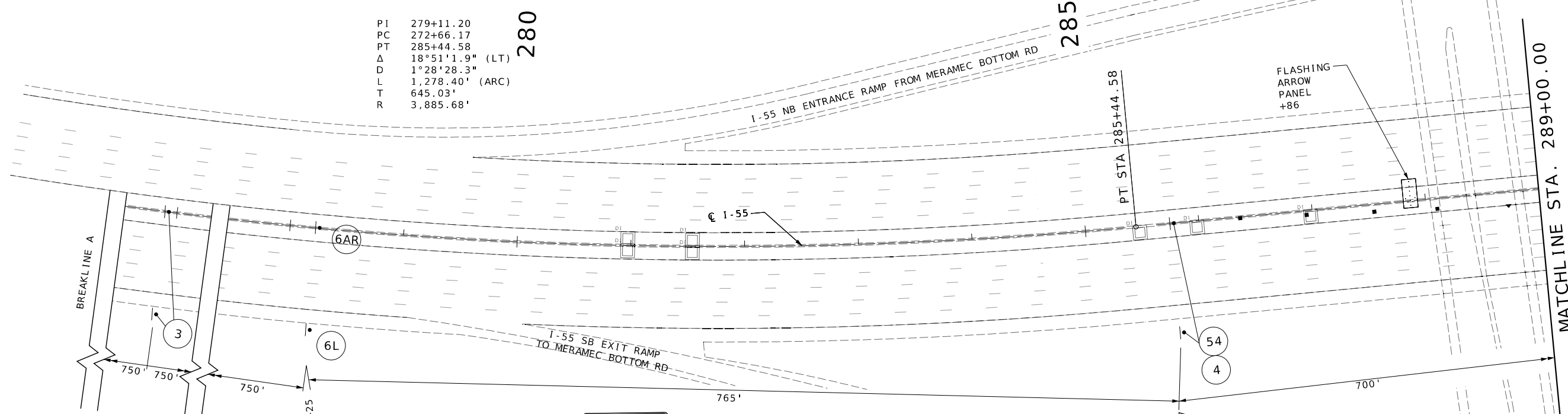
DATE PREPARED
 9/4/2025
 ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 51
 COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

GENERAL TRAFFIC CONTROL NOTES:

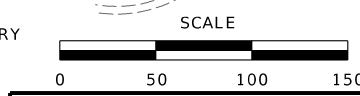
1. ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED AT NO DIRECT PAY.
2. PLACEMENT OF TRAFFIC CONTROL SIGNS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
3. SIGN AND DEVICE LOCATIONS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
4. ANY EXISTING PAVEMENT MARKING THAT CONFLICTS WITH THE TRAFFIC CONTROL STRIPING SHALL BE COMPLETELY REMOVED.



PI 279+11.20
 PC 272+66.17
 PT 285+44.58
 Δ 18°51'1.9" (LT)
 D 1°28'28.3"
 L 1,278.40' (ARC)
 T 645.03'
 R 3,885.68'



- TRAFFIC CONTROL KEY
- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
 - ┆ SIGN
 - ◆ TUBULAR MARKERS
 - TYPE III MOVEABLE BARRICADE
 - IMPACT ATTENUATORS
 - ▬ TEMPORARY NARROW CRASH CUSHION
 - ← TRAVEL DIRECTION
 - ||||| TEMP. LONG-TERM RUMBLE STRIPS
 - XXXXX WORK AREA
 - ◻ FLASHING ARROW PANEL
 - ◻ CHANGEABLE MESSAGE SIGN
 - ◻ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



TRAFFIC CONTROL SHEET 42 OF 50
 STAGE 4 SHEET 1 OF 7

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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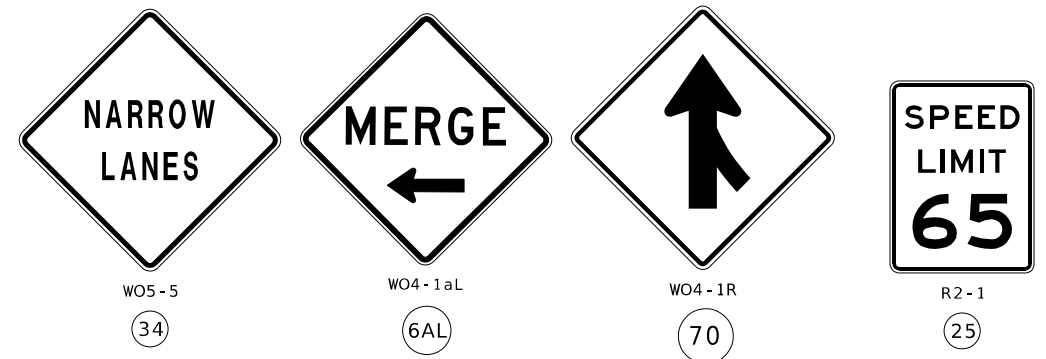
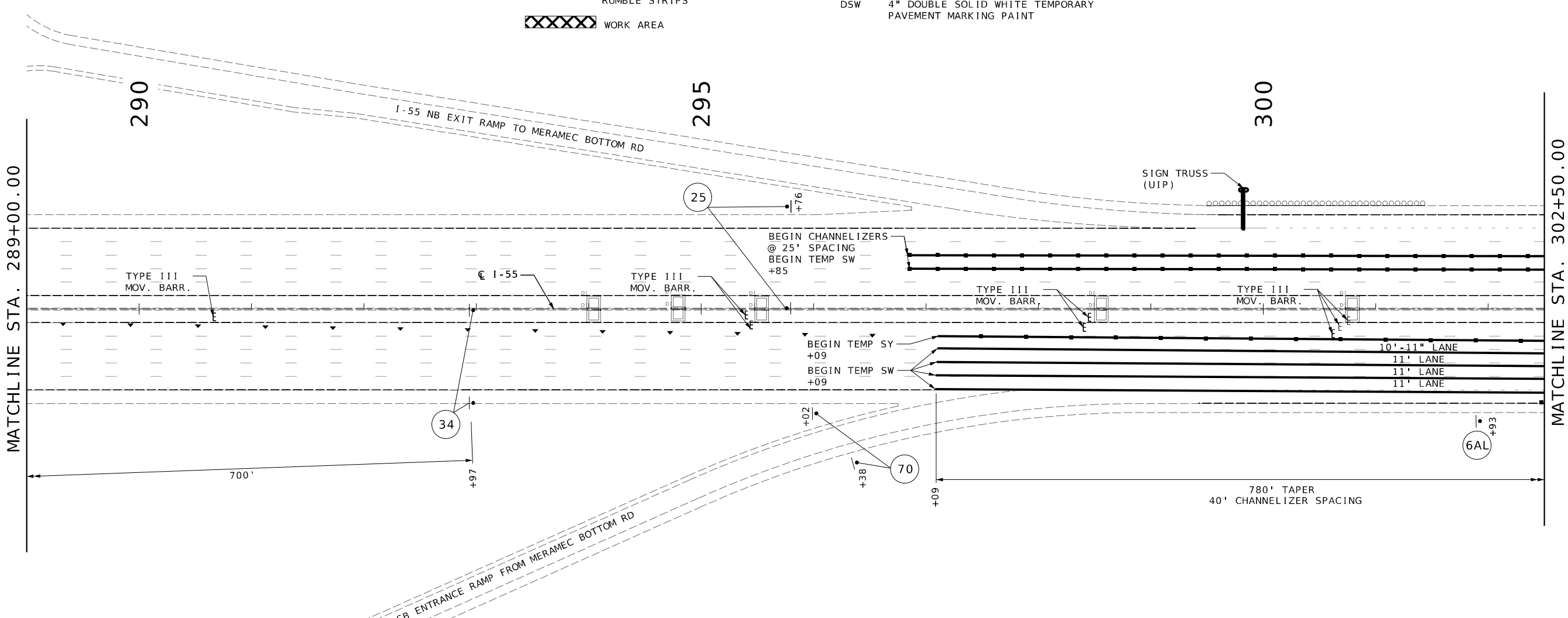
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DATE PREPARED
 9/4/2025
 ROUTE STATE
 I-55 MO
 DISTRICT SHEET NO.
 SL 52
 COUNTY
 ST LOUIS/JEFFERSON
 JOB NO.
 J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

TRAFFIC CONTROL KEY

- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
 - ▼ SIGN
 - ◆ TUBULAR MARKERS
 - [TYPE III MOVEABLE BARRICADE
 - IMPACT ATTENUATORS
 - ▬ TEMPORARY NARROW CRASH CUSHION
 - ← TRAVEL DIRECTION
 - ||||| TEMP. LONG-TERM RUMBLE STRIPS
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- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



TRAFFIC CONTROL SHEET 43 OF 50
 STAGE 4 SHEET 2 OF 7

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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N.M.C.
09/04/2025 9:16:02 AM
Nicholas Michael Correnti - Civil
MO PE 2010000609

DATE PREPARED
9/4/2025

ROUTE I-55 STATE MO
DISTRICT SL SHEET NO. 53

COUNTY ST LOUIS/JEFFERSON

JOB NO. J613290

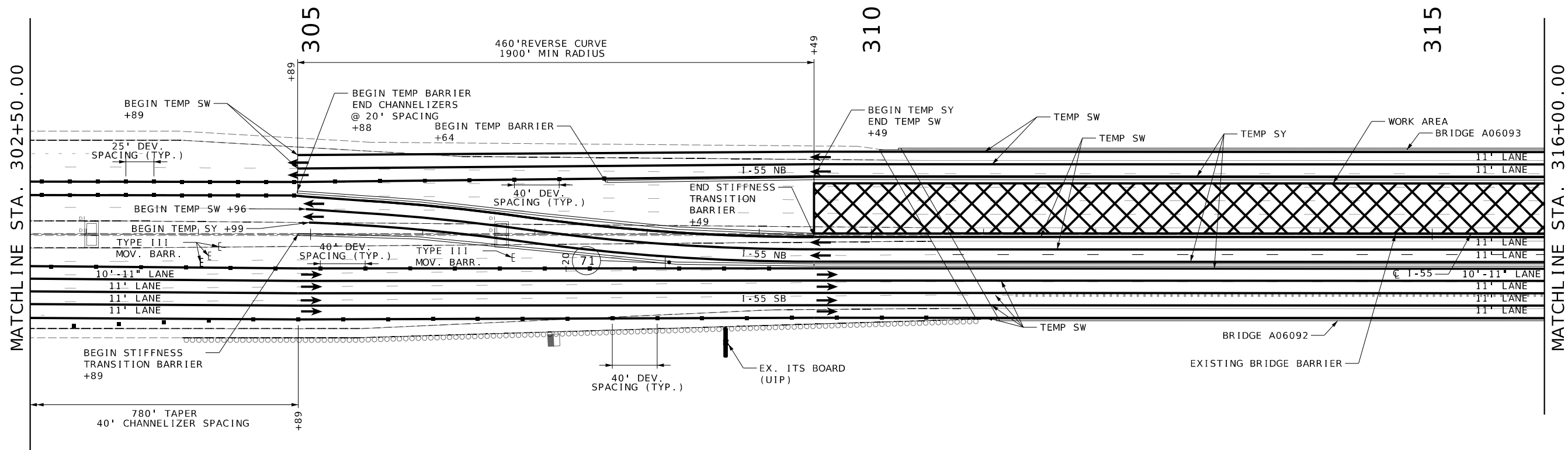
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ┆ SIGN
- ◆ TUBULAR MARKERS
- [TYPE III MOVEABLE BARRICADE
- IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ||||| TEMP. LONG-TERM RUMBLE STRIPS
- XXXXX WORK AREA
- ▬ FLASHING ARROW PANEL
- █ CHANGEABLE MESSAGE SIGN
- ▬ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



R4-9
71



TRAFFIC CONTROL
SHEET 44 OF 50
STAGE 4
SHEET 3 OF 7

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design
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Suite 250
St. Louis, MO 63021
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 9/4/2025

ROUTE
 I-55

STATE
 MO

DISTRICT
 SL

SHEET NO.
 54

COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

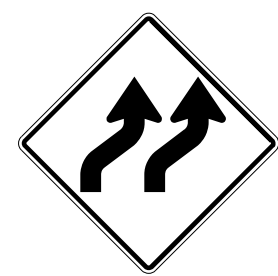
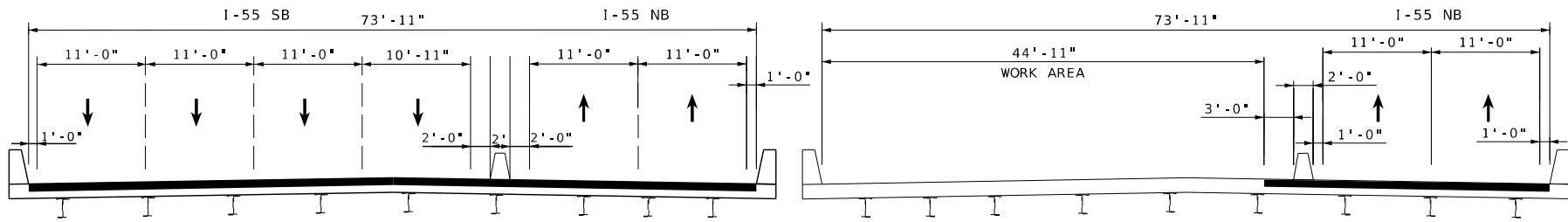
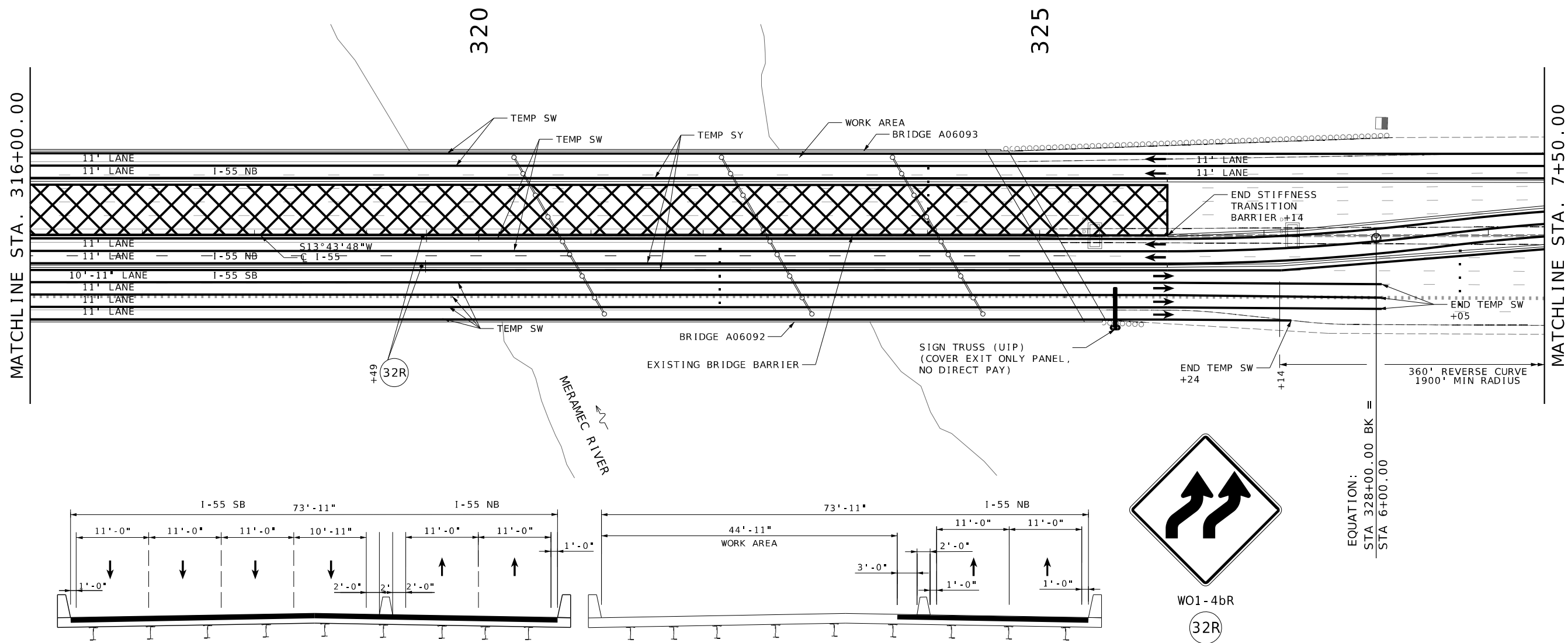
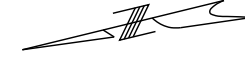
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL KEY

- CHANNELIZER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- ▼ SIGN
- ◆ TUBULAR MARKERS
- ⌈ TYPE III MOVEABLE BARRICADE
- ∞ IMPACT ATTENUATORS
- ▬ TEMPORARY NARROW CRASH CUSHION
- ← TRAVEL DIRECTION
- ⋯ TEMP. LONG-TERM RUMBLE STRIPS
- ▨ WORK AREA
- ⬠ FLASHING ARROW PANEL
- ◻ CHANGEABLE MESSAGE SIGN
- ☒ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



W01-4bR
 (32R)

EQUATION:
 STA 328+00.00 BK =
 STA 6+00.00



FOR STAGE 4, THE COMPLETED SOUTHERN PORTION OF BRIDGE A06093 SHALL BE USED TO HOST TWO NORTHBOUND TRAVEL LANES. TWO ADDITIONAL NORTHBOUND LANES SHALL BE INSTALLED ON BRIDGE A06092 WHILE THE REMAINDER OF BRIDGE A06093 IS CONSTRUCTED. IN ADDITION TO THE TWO NORTHBOUND LANES, BRIDGE A06092 SHALL HAVE FOUR DEDICATED NORTHBOUND LANES.

TRAFFIC CONTROL
 SHEET 45 OF 50

STAGE 4
 SHEET 4 OF 7

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
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 St. Louis, MO 63021
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N.M. Correnti
 DATE PREPARED
 9/4/2025

ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 55

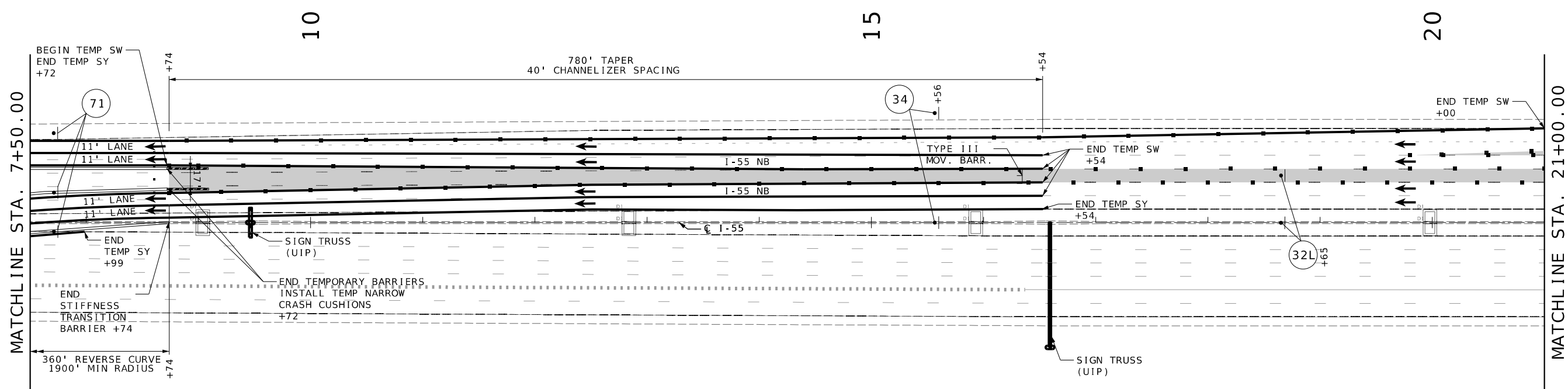
COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

- TRAFFIC CONTROL KEY**
- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
 - ⊣ SIGN
 - ◆ TUBULAR MARKERS
 - [] TYPE III MOVEABLE BARRICADE
 - ∞∞∞∞ IMPACT ATTENUATORS
 - TEMPORARY NARROW CRASH CUSHION
 - ← TRAVEL DIRECTION
 - ||||| TEMP. LONG-TERM RUMBLE STRIPS
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 - CHANGEABLE MESSAGE SIGN
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 - DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 - DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT
 - STAGE 4 CLOSED LANE SHADING

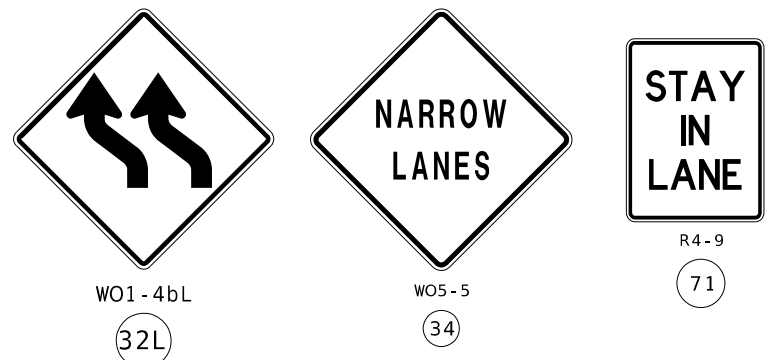


DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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 Missouri Certificate of Authority: 001578



SCALE
 0 50 100 150

TRAFFIC CONTROL SHEET 46 OF 50
 STAGE 4 SHEET 5 OF 7

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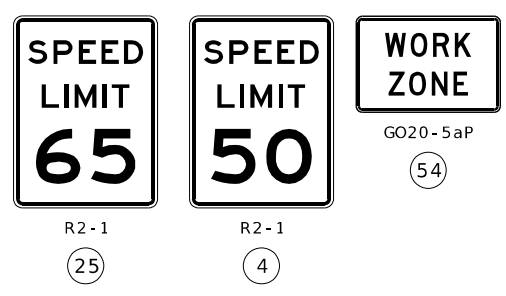
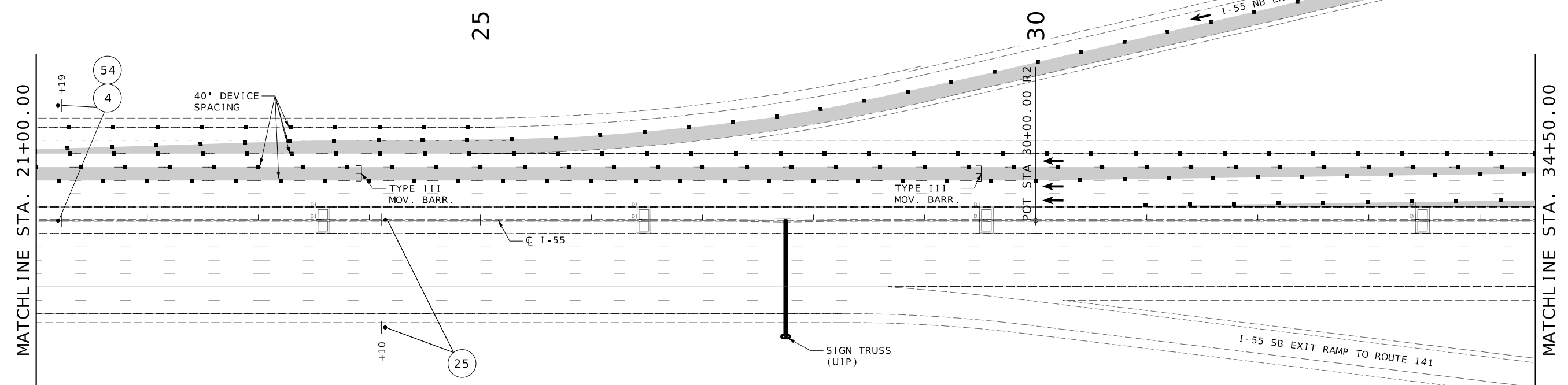
DATE PREPARED
 9/4/2025
 ROUTE 1-55 STATE MO
 DISTRICT SL SHEET NO. 56
 COUNTY ST LOUIS/JEFFERSON
 JOB NO. J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

TRAFFIC CONTROL KEY

- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
 - ▬ SIGN
 - ◆ TUBULAR MARKERS
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 - ⋯ TEMP. LONG-TERM RUMBLE STRIPS
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 - ▨ TRUCK MOUNTED ATTENUATOR (TMA)
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT



FOR DETAILS ON I-55 NB ENTRANCE RAMP FROM ROUTE 141 LANE CLOSURE, SEE TRAFFIC CONTROL SHEET 11



TRAFFIC CONTROL SHEET 47 OF 50
 STAGE 4 SHEET 6 OF 7

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

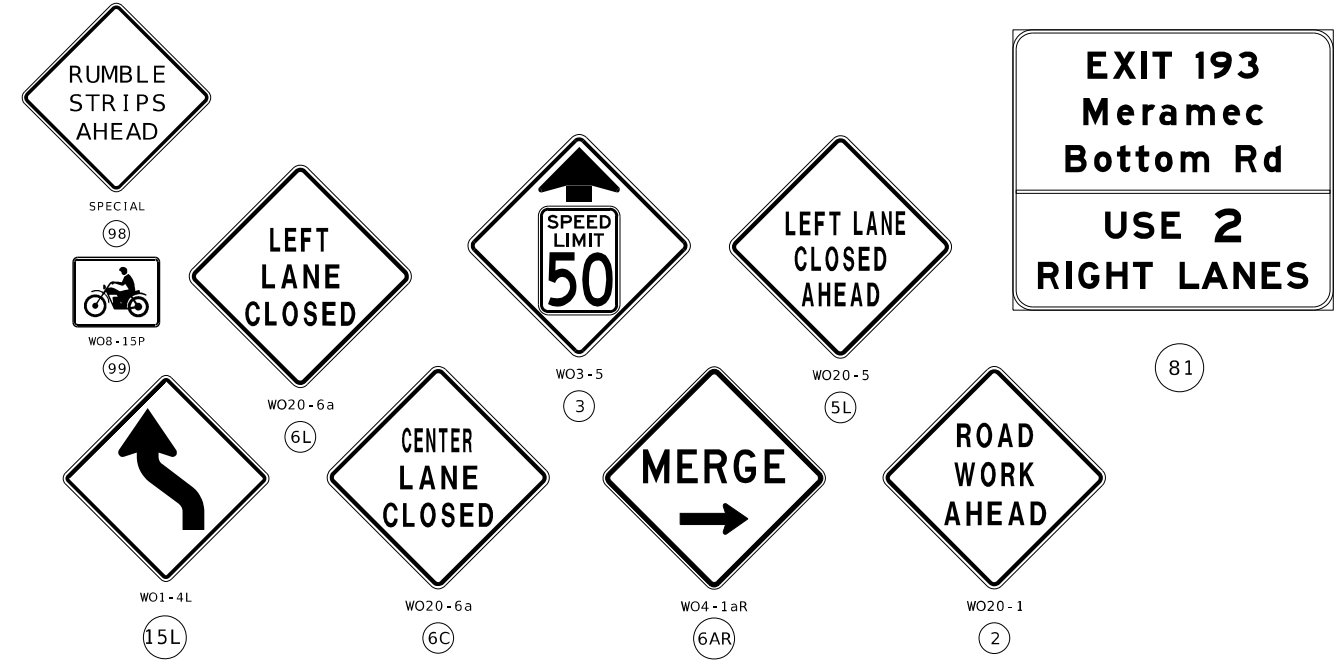
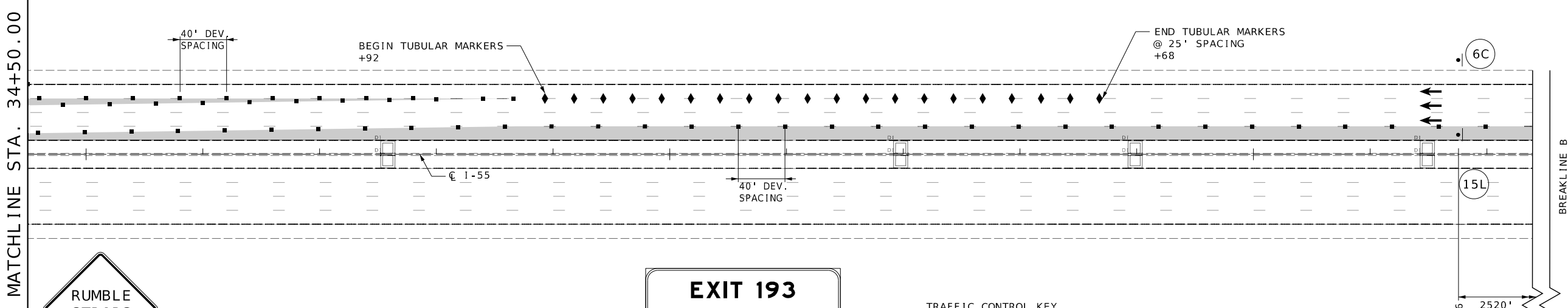
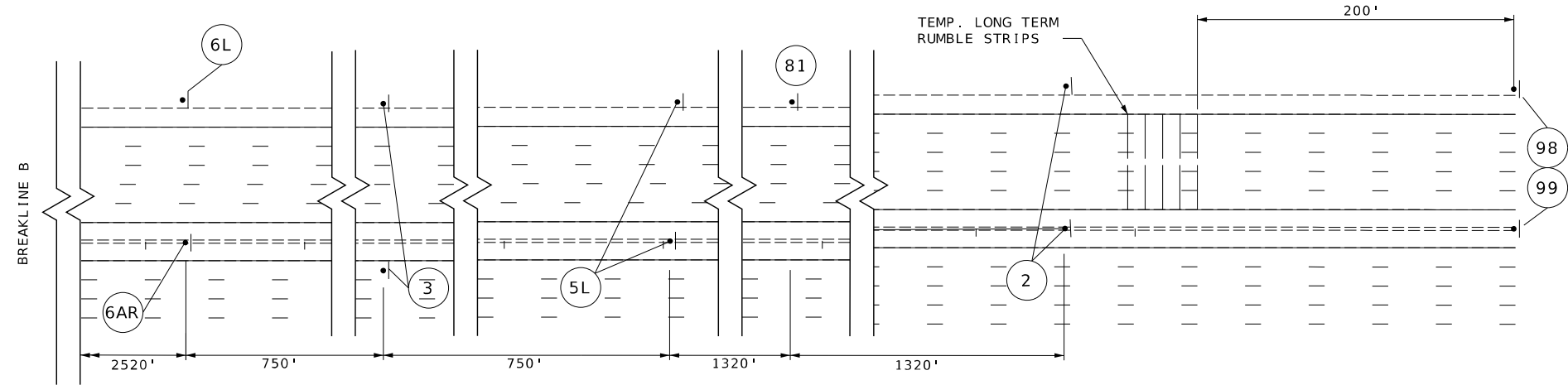
EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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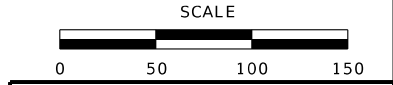
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DATE PREPARED	
9/4/2025	
ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	57
COUNTY	
ST LOUIS/JEFFERSON	
JOB NO.	
J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



- TRAFFIC CONTROL KEY**
- CHANNELIZER
 - ▲ DIRECTIONAL INDICATOR BARRICADE
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 - ◆ TUBULAR MARKERS
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 - ▬ CHANGEABLE MESSAGE SIGN
 - ▬ TRUCK MOUNTED ATTENUATOR (TMA)
 - SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 - DW 12" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 - DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT
 - STAGE 4 CLOSED LANE SHADING



TRAFFIC CONTROL
 SHEET 48 OF 50
 STAGE 4
 SHEET 7 OF 7

DESCRIPTION	DATE

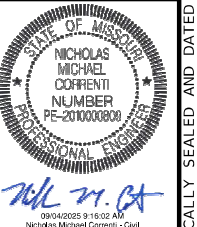
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DISCLAIMER
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DATE PREPARED
 9/4/2025

ROUTE STATE
 I-55 MO

DISTRICT SHEET NO.
 SL 58

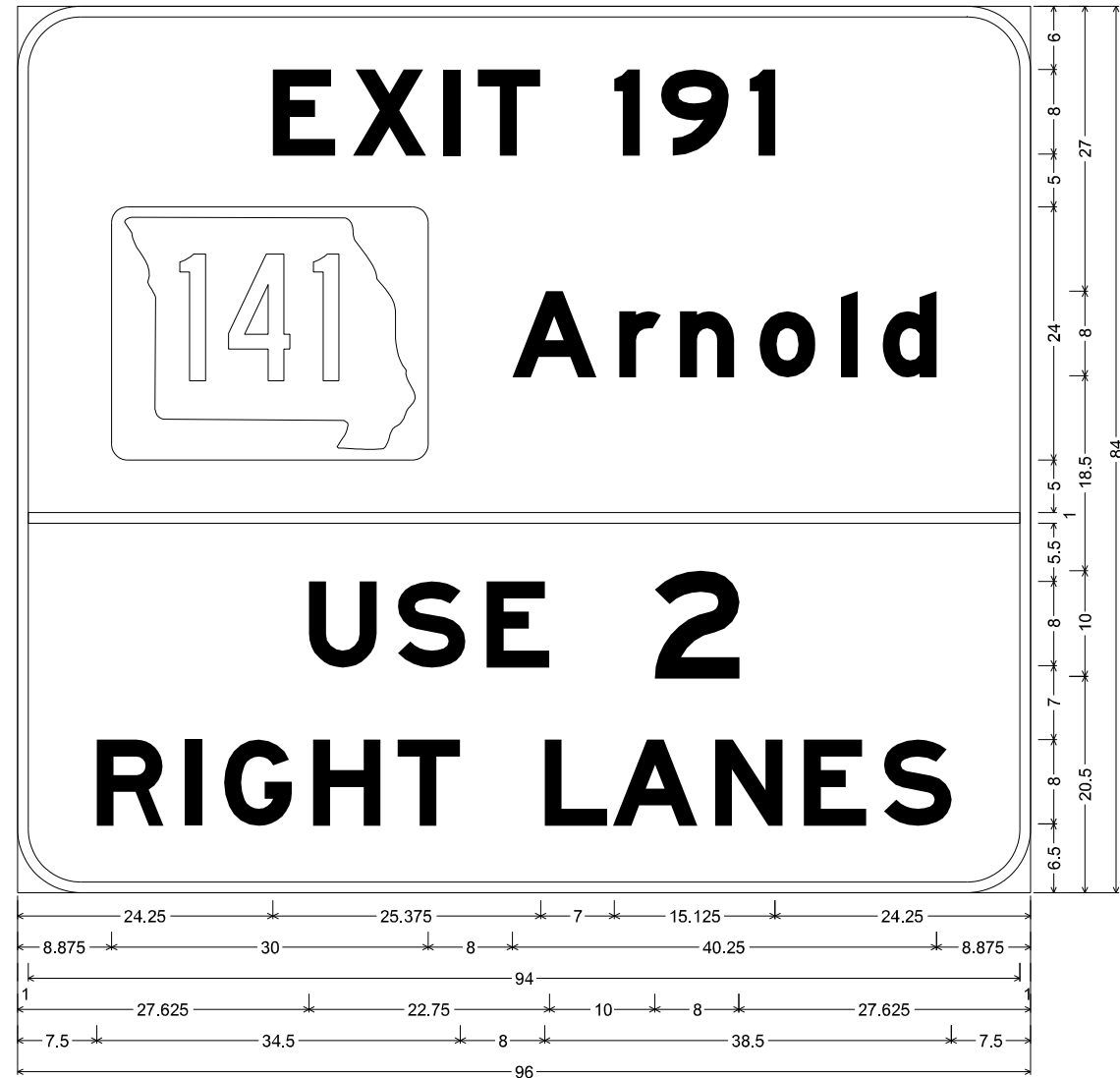
COUNTY
 ST LOUIS/JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

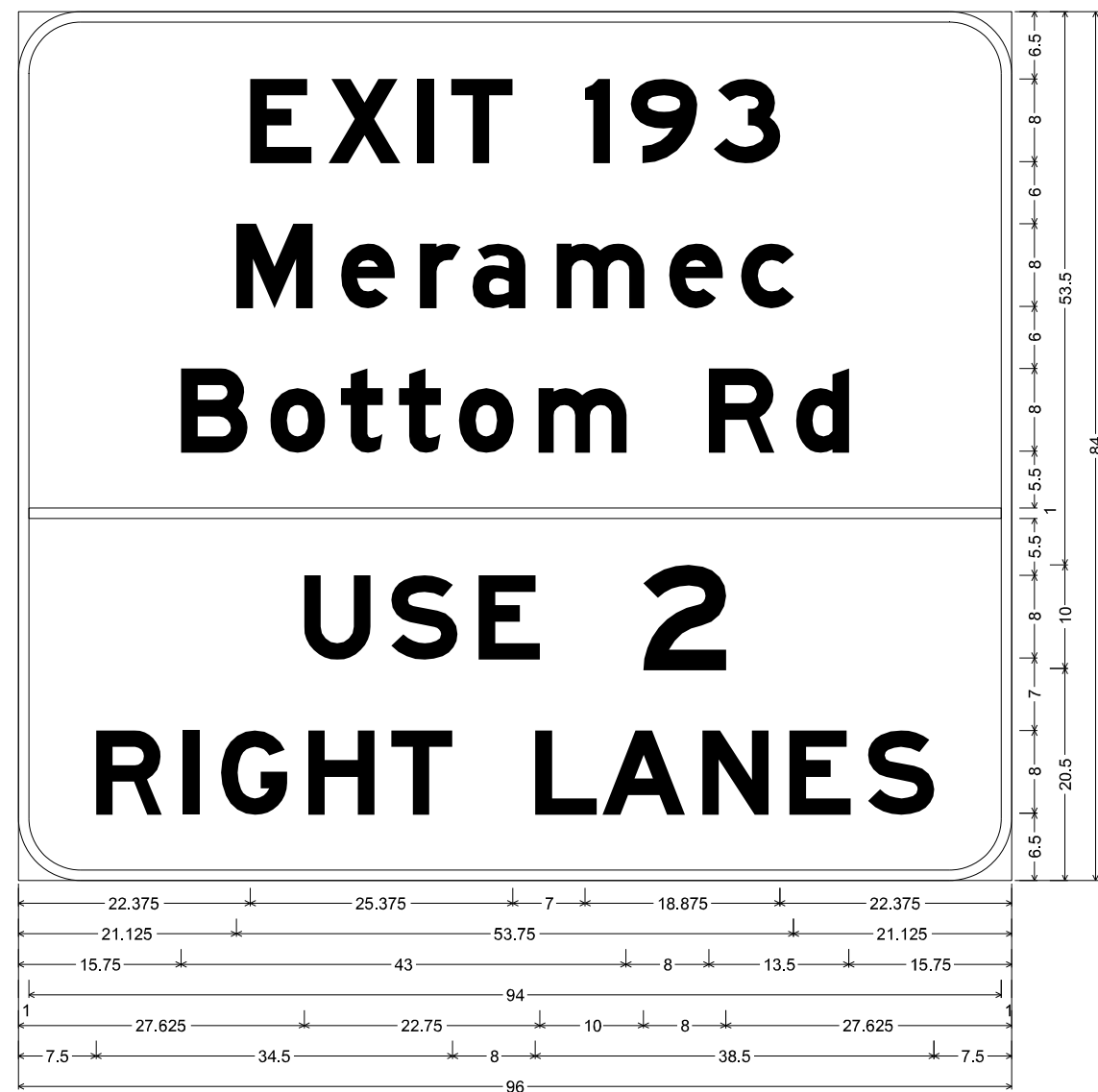
PROJECT NO.

BRIDGE NO.



SPECIAL SHF-FLAT SHEET FLUORESCENT;
 6.000" Radius, 1.000" Border, Black on, Orange;
 "EXIT 191", E Mod; "Arnold", E Mod; "USE 2", E Mod; "RIGHT LANES", E Mod;
 Table of letter and object lefts

E	X	I	T	1	9	1			
24.250	31.750	40.375	43.625	56.625	61.000	69.375			
141	A	r	n	o	l	d			
8.875	46.875	57.000	62.750	70.375	78.000	82.000			
—	1.000								
U	S	E	2						
27.625	36.000	44.500	60.375						
R	I	G	H	T	L	A	N	E	S
7.500	15.875	19.625	28.000	36.000	50.000	56.500	66.125	74.500	82.125



SPECIAL SHF-FLAT SHEET FLUORESCENT;
 6.000" Radius, 1.000" Border, Black on, Orange;
 "EXIT 193", E Mod; "Meramec", E Mod; "Bottom Rd", E Mod; "USE 2", E Mod; "RIGHT LANES", E Mod;
 Table of letter and object lefts

E	X	I	T	1	9	3			
22.375	30.000	38.625	41.875	54.750	59.250	67.250			
M	e	r	a	m	e	c			
21.125	31.250	38.750	43.875	52.000	62.875	69.875			
B	o	t	t	o	m	R	d		
15.750	24.375	31.125	36.750	42.625	50.250	66.750	75.125		
—	1.000								
U	S	E	2						
27.625	36.000	44.500	60.375						
R	I	G	H	T	L	A	N	E	S
7.500	15.875	19.625	28.000	36.000	50.000	56.500	66.125	74.500	82.125

DATE	DESCRIPTION

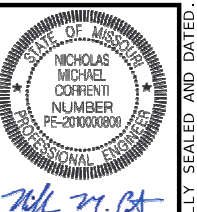
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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TRAFFIC CONTROL
 SHEET 49 OF 50

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DATE PREPARED
9/4/2025

ROUTE
I - 55

STATE
MO

DISTRICT
SL

SHEET NO.
59

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

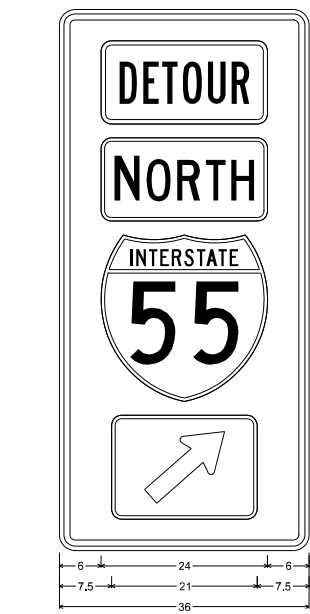
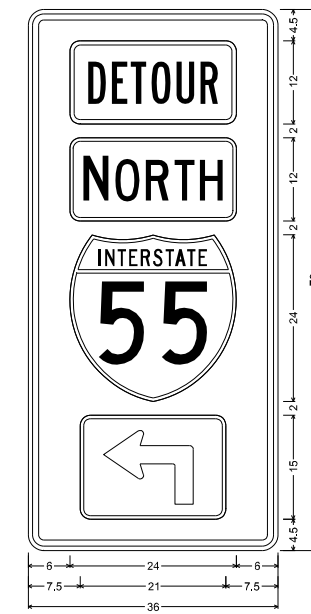
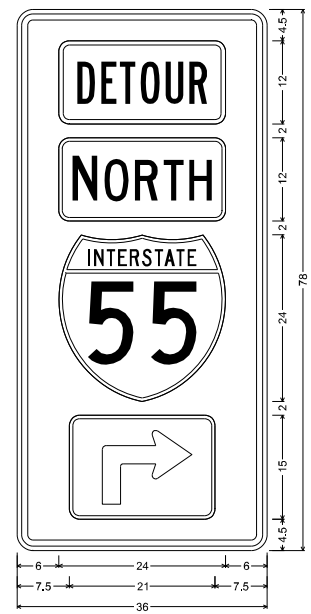
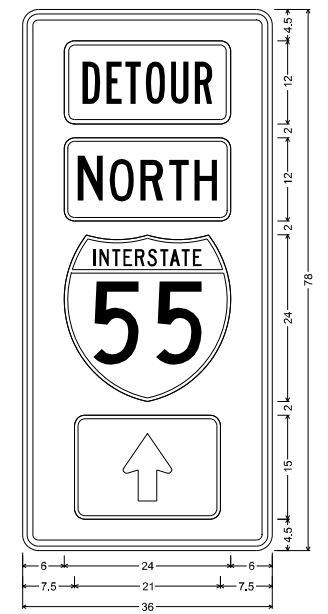
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



MO4-11 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
Interstate 55 12,000" C;
Table of letter and object lefts

6,000
5,000
4,000
3,000
2,500

MO4-11 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
Interstate 55 12,000" C;
Table of letter and object lefts

6,000
5,000
4,000
3,000
2,500

MO4-11 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
Interstate 55 12,000" C;
Table of letter and object lefts

6,000
5,000
4,000
3,000
2,500

MO4-11 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
Interstate 55 12,000" C;
Table of letter and object lefts

6,000
5,000
4,000
3,000
2,500

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2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
Interstate 55 12,000" C;
Table of letter and object lefts

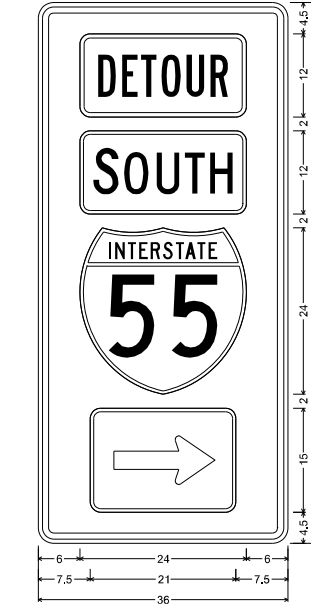
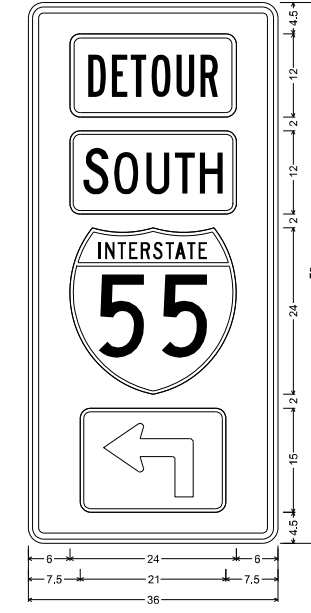
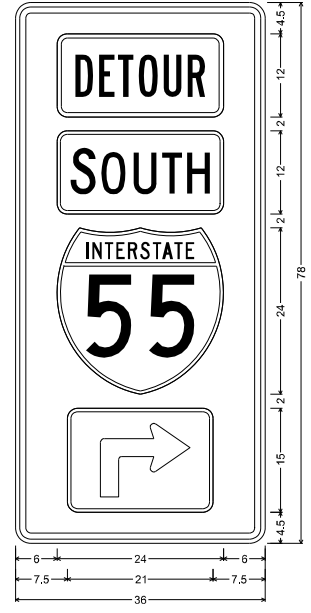
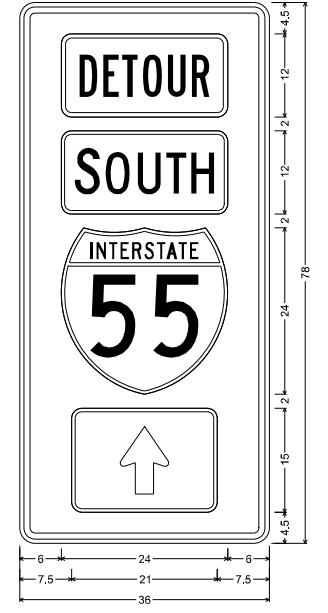
6,000
5,000
4,000
3,000
2,500

MO4-11 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
Interstate 55 12,000" C;
Table of letter and object lefts

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4,000
3,000
2,500

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Interstate 55 12,000" C;
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4,000
3,000
2,500



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Table of letter and object lefts

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2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
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Table of letter and object lefts

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4,000
3,000
2,500

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Table of letter and object lefts

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4,000
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2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
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Table of letter and object lefts

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4,000
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2,500

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2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
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Table of letter and object lefts

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5,000
4,000
3,000
2,500

MO4-11 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Ident, Black on, Orange;
Interstate 55 12,000" C;
Table of letter and object lefts

6,000
5,000
4,000
3,000
2,500

DISCLAIMER
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THE PROJECT TO WHICH THIS PAGE REFERS.

TRAFFIC CONTROL
SHEET 50 OF 50

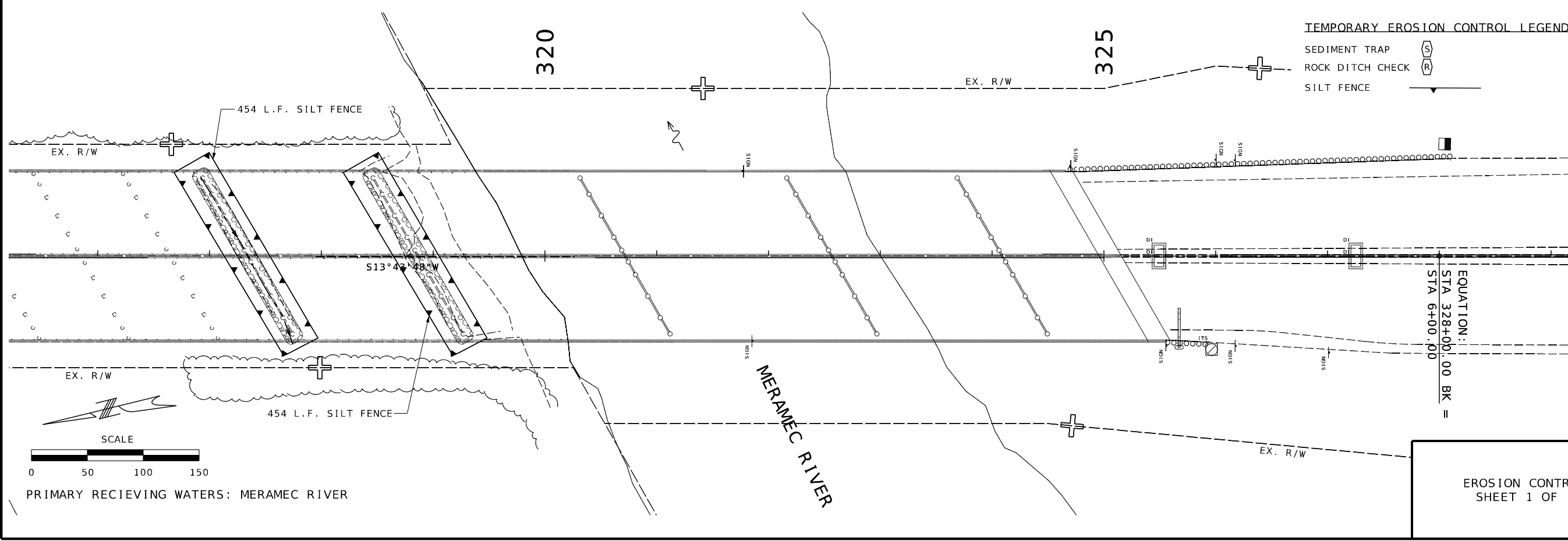
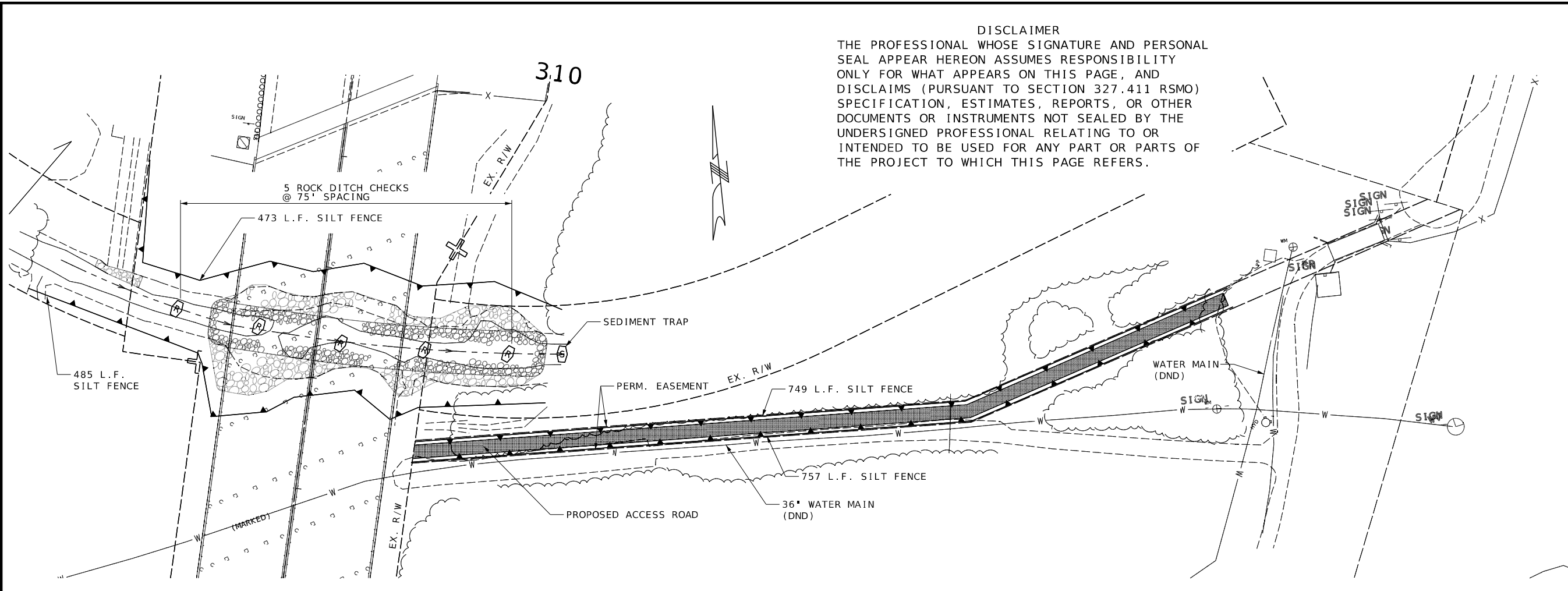
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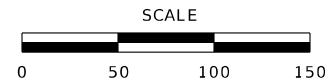


N.M. Correnti
 10/13/2025 3:34:17 PM
 Nicholas Michael Correnti, Civil
 MO PE-201000809

DATE PREPARED
10/13/2025
 ROUTE STATE
1 - 55 MO
 DISTRICT SHEET NO.
SL 60
 COUNTY
ST LOUIS/JEFFERSON
 JOB NO.
J613290
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.



TEMPORARY EROSION CONTROL LEGEND
 SEDIMENT TRAP
 ROCK DITCH CHECK
 SILT FENCE



PRIMARY RECEIVING WATERS: MERAMEC RIVER

EQUATION:
 STA 328+00.00 BK =
 STA 6+00.00

EROSION CONTROL
 SHEET 1 OF 1

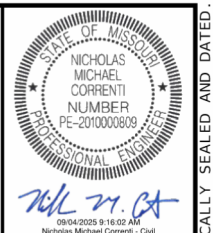
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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DATE PREPARED
9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	61

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

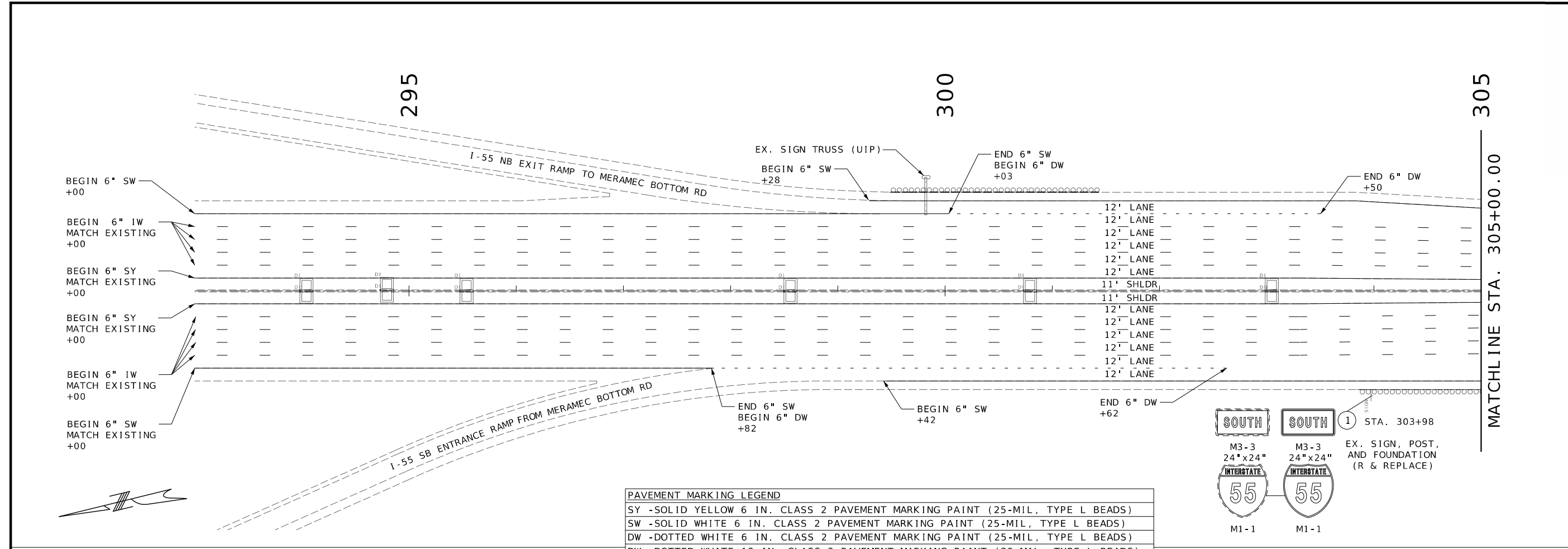
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design

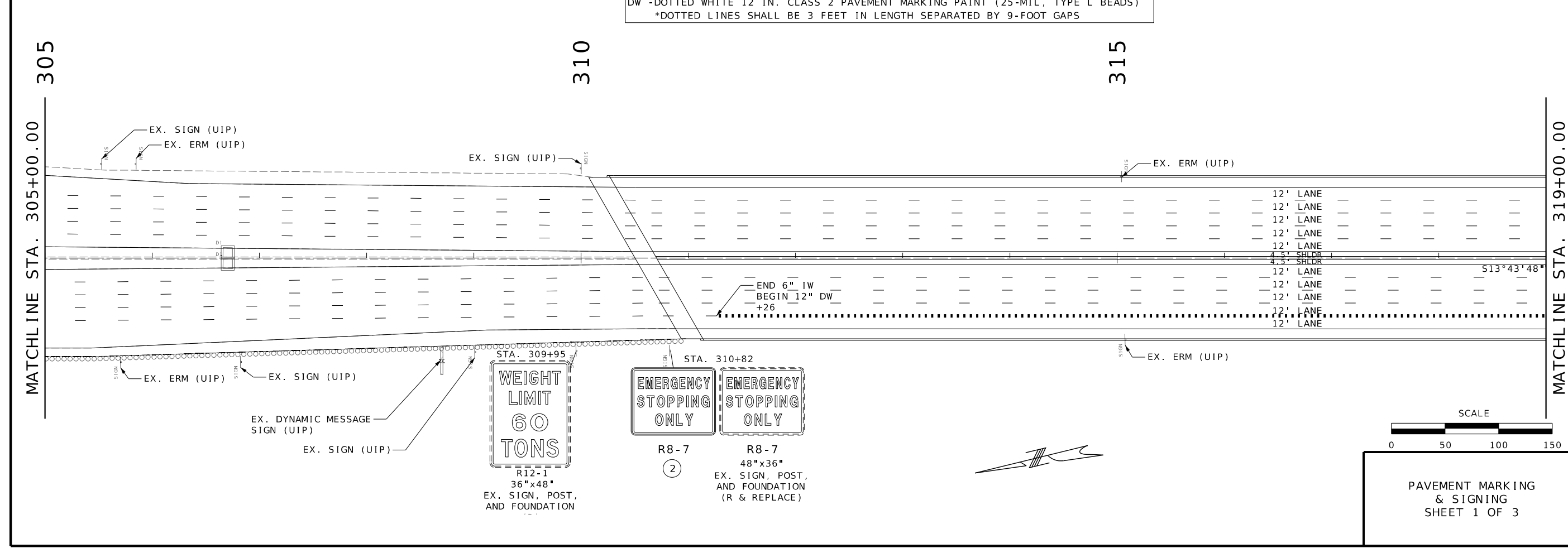
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



PAVEMENT MARKING LEGEND

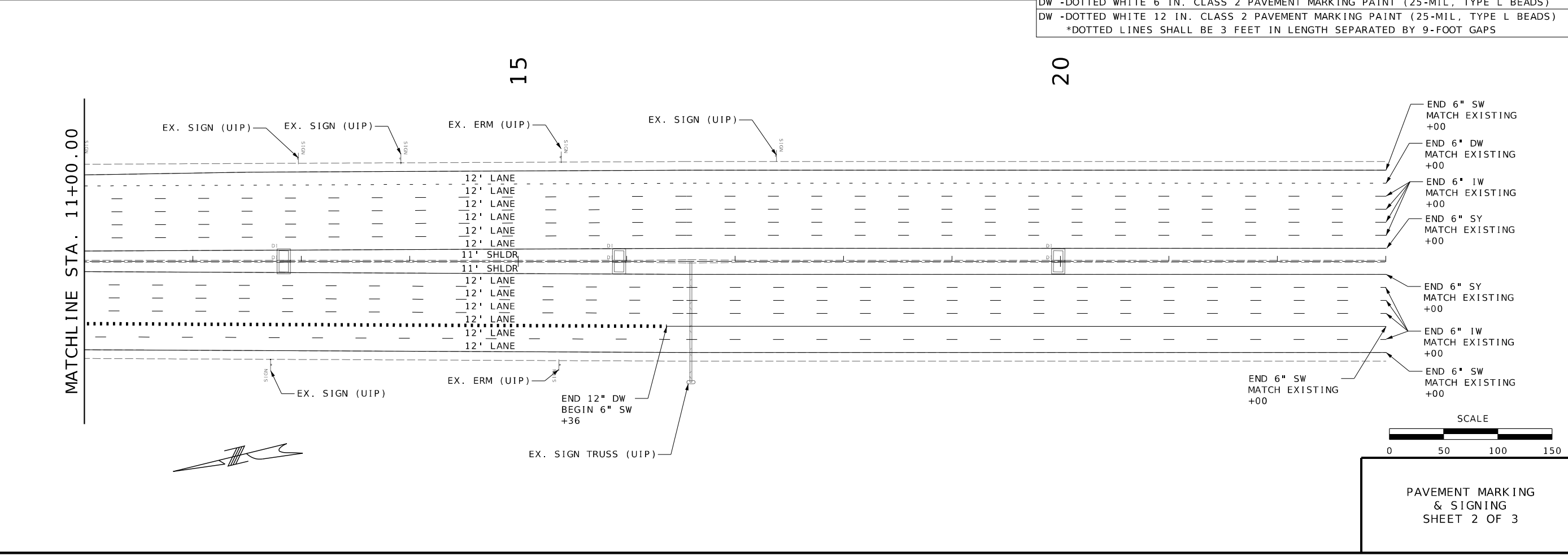
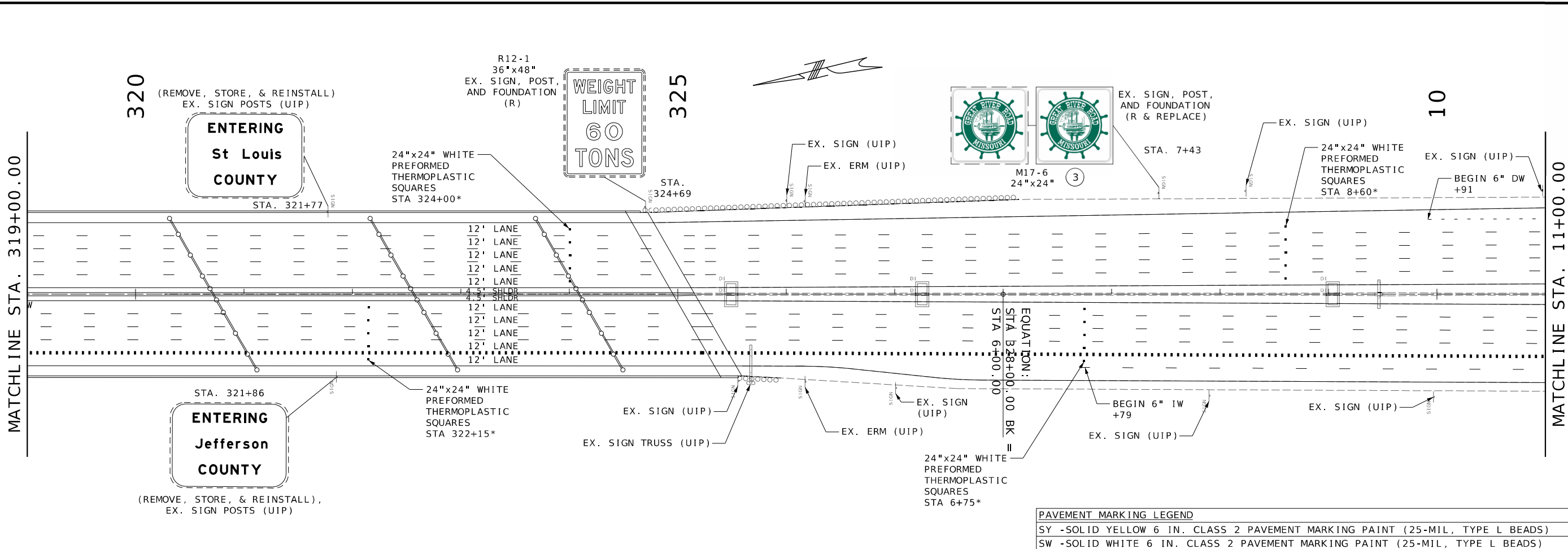
SY	-SOLID YELLOW 6 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)
SW	-SOLID WHITE 6 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)
DW	-DOTTED WHITE 6 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)
DW	-DOTTED WHITE 12 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)

*DOTTED LINES SHALL BE 3 FEET IN LENGTH SEPARATED BY 9-FOOT GAPS



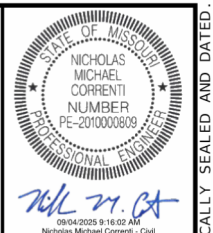
PAVEMENT MARKING & SIGNING SHEET 1 OF 3

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



PAVEMENT MARKING LEGEND

SY	-SOLID YELLOW 6 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)
SW	-SOLID WHITE 6 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)
DW	-DOTTED WHITE 6 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)
DW	-DOTTED WHITE 12 IN. CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)
*DOTTED LINES SHALL BE 3 FEET IN LENGTH SEPARATED BY 9-FOOT GAPS	



DATE PREPARED: 9/4/2025

ROUTE	STATE
I-55	MO
DISTRICT	SHEET NO.
SL	62

COUNTY: ST LOUIS/JEFFERSON
 JOB NO.: J613290
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
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 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SIGNS				CONCRETE FOOTINGS EMBEDDED		STRUCTURAL STEEL POSTS*				PIPE POSTS*				BACKING BARS**				U-CHANNEL POST		PERFORATED SQUARE STEEL TUBE												EFFECTIVE: 07-01-2024		REMARKS AND OTHER REQUIRED ITEMS			
902 SIGNAL SIGNS TABULATED ON D-37A SHEET				SIGN DTL SHT NO.	ITEM NO. 9031010	POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220	2" X 3/8" BARS AT 2.55 LBS/FT				ITEM NO. 9031250A	POST NO. 1	POST NO. 2	2- INCH POST				2.5- INCH POST				BREAK-AWAY ASSEMBLY ITEM NO. 9031241	BARRIER ANCHOR ITEM NO. 9039902				
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	HORIZ CLEAR IF NOT STD														LOCATION	NO.	NO.	NO.				NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.				NO.	NO.	NO.
1	ASSBLY	303+98		I-55 SB RT								2.5	16.3		5.79	94.38																					
2	48"x36"	310+82		I-55 SB RT								4	17.3		10.79	186.67	2	32	5.33	13.59																	
3	24"x24"	7+43		I-55 NB LT								2.5	16.3		5.79	94.38																					
SUBTOTAL					0.62											375.4																					
PAY TOTAL					0.7											390																					

*BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
 **BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

POST DES NO.	NOM. SIZE	WEIGHT		STUB LENGTH	DIA.	FOOTING							
		LBS/FT	LBS/IN			DEPTH	C.Y.	6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

NOM. SIZE (IN.)	WEIGHT		STUB LENGTH	FOOTING		CONCRETE C.Y.
	LBS/FT	LBS/IN		DIA.	DEPTH	
2 1/2	5.79	0.48	4'-3 1/2"	12"	4-6"	0.13
4	10.79	0.90	5'-3 1/2"	18"	5-6"	0.36

MODIFIED D-29

SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH							
			SH M3-3 24 x 12	SH M1-1 24 x 24	SH R8-7 48 x 36	SH "GREAT RIVER ROAD" 24 x 24				
1	303+98	I-55 SB RT	1	1						
2	310+82	I-55 SB RT			1					
3	7+43	I-55 NB LT				1				
TOTALS			1	1	1	1				

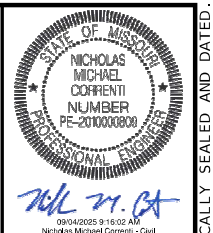
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET			
				SH-FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
M1-1		1	24 x 24	4.00			
M3-3		1	24 x 12	2.00			
R8-7		1	48 x 36	12.00			
"GREAT RIVER ROAD"		1	24 x 24	4.00			
PAY TOTAL				22			

*ORANGE, YELLOW AND YELLOW-GREEN

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MODIFIED D-30

PAVEMENT MARKING & SIGNING SHEET 3 OF 3



DATE PREPARED: 9/4/2025
 ROUTE: I-55, STATE: MO
 DISTRICT: SL, SHEET NO.: 63
 COUNTY: ST LOUIS/JEFFERSON
 JOB NO.: J613290
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

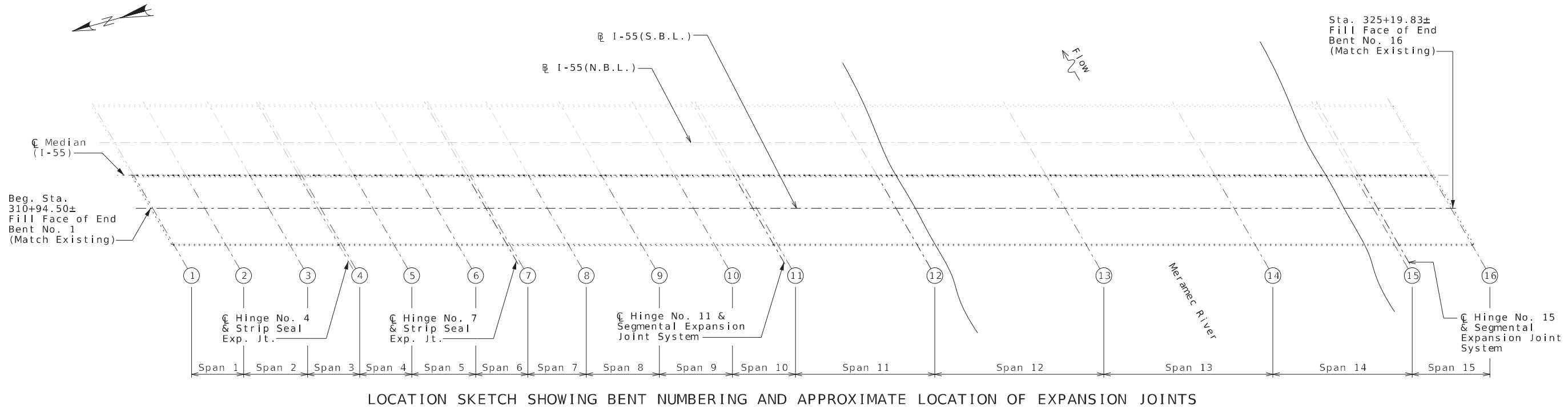
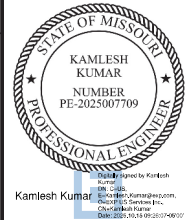
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MoDOT
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

U.I.P AND REHABILITATE
 EXISTING (59'-70'-57')(57'-70'-57')(64'-80'-80'-69') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS, (152.5'-185'-185'-152.5')
 CONTINUOUS COMPOSITE PLATE GIRDER SPANS, (87') COMPOSITE PLATE GIRDER SPANS (SKEW:30° R.A.)



LOCATION SKETCH SHOWING BENT NUMBERING AND APPROXIMATE LOCATION OF EXPANSION JOINTS

Index of Sheets:

1. Location Plan and Sheet List
2. General Notes, Summary of Quantities, and Paint Details
3. Wearing Surface Details
4. Bridge Approach Slab Repair Details
5. Details of Staged Construction
6. Locations of Girder Crack Repair
7. Details of Existing Diaphragm Connection to Flange
8. Hinge Modification Near Bent No. 11 - Detail 1
9. Hinge Modification Near Bent No. 11 - Detail 2
10. Hinge Modification Near Bent No. 11 - Detail 3
11. Hinge Modification Near Bent No. 15 - Detail 1
12. Hinge Modification Near Bent No. 15 - Detail 2
13. Hinge Modification Near Bent No. 15 - Detail 3
14. Miscellaneous Steel Repairs
15. Barrier Removal
16. Barrier Replacement and Repair
17. Expansion Device Removal Details
18. Strip Seal Expansion Joint System at Hinges No. 4 & 7
19. Segmental Expansion Joint System at Hinges No. 11 & 15
20. Segmental Expansion Joint System Details
21. Removal Details for Abutment Diaphragms
22. End Bent No. 1 Diaphragm
23. End Bent No. 1 Details
24. End Bent No. 16 Diaphragm
25. End Bent No. 16 Details
26. Substructure Repair Details
27. Bearing Removal
28. Type N PTFE Bearings - Intermediate Bents No. 11 & 15
29. Type N PTFE Bearings - Hinge No. 11
30. Type N PTFE Bearings - Hinge No. 15
31. Bending Diagrams and Reinforcing Steel Totals
32. Bill of Reinforcing Steel

REPAIRS TO BRIDGE: I-55 (S.B.L.) OVER
 MERAMEC RIVER

ROUTE I-55 FROM ROUTE 141 TO ROUTE I-255
 ABOUT 0.7 MILE NORTH OF ROUTE 141
 BEG. STA. 310+94.50± (MATCH EXISTING)

LOCATION PLAN AND SHEET LIST

Note: This drawing is not to scale. Follow dimensions. Sheet No. 1 of 32

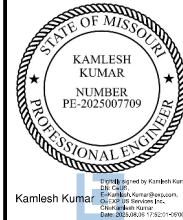
Designed May 2025
 Detailed May 2025
 Checked July 2025

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
 600 Washington Ave.
 Suite 1700
 St. Louis, MO 63101
 t: +1 314 466 2385
 Missouri Certificate of
 Authority: F01144526



DATE PREPARED
8/6/2025

ROUTE
I-55

STATE
MO

DISTRICT
BR

SHEET NO.
3

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

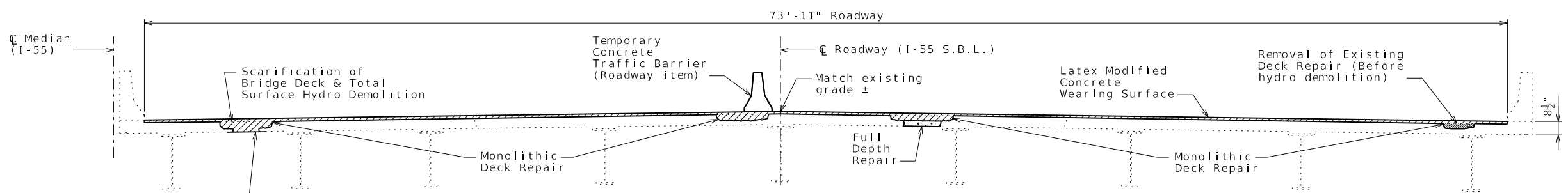
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DATE	DESCRIPTION

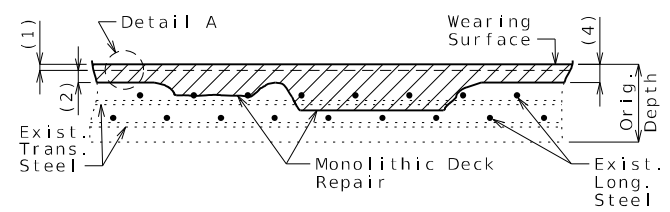
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

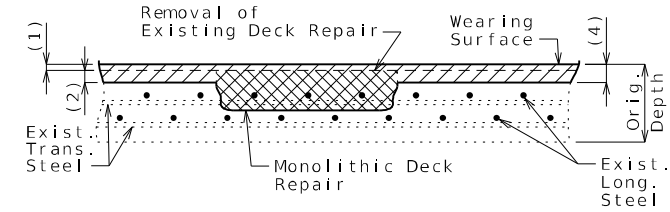
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600 Washington Ave.
Suite 1700
St. Louis, MO 63101
t: +1-618-406-2385
Missouri Certificate of
Authority: F01144526



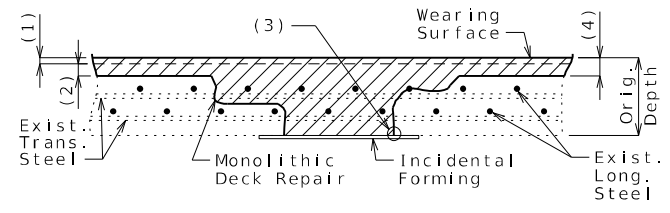
TYPICAL SECTION THRU EXISTING DECK



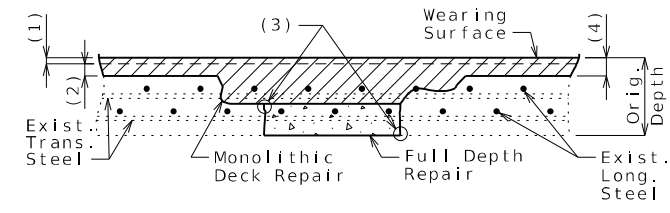
MONOLITHIC DECK REPAIR



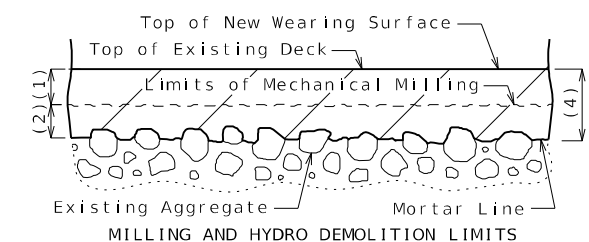
REMOVAL OF EXISTING DECK REPAIR BEFORE HYDRO DEMOLITION



MONOLITHIC DECK REPAIR REQUIRING INCIDENTAL FORMING



MONOLITHIC DECK REPAIR REQUIRING FULL DEPTH REPAIR

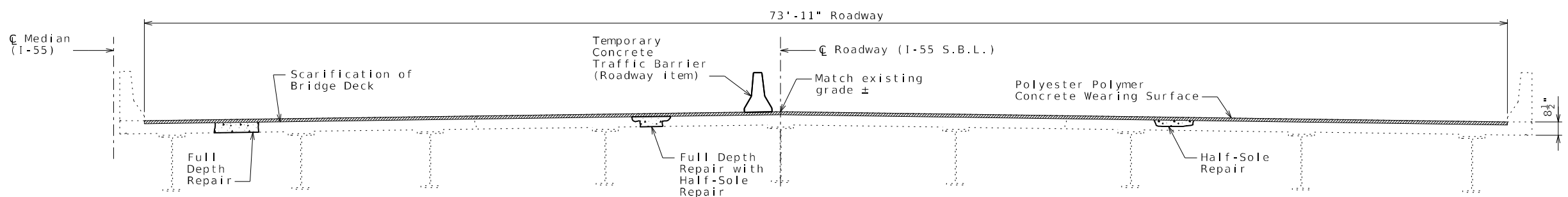


DETAIL A

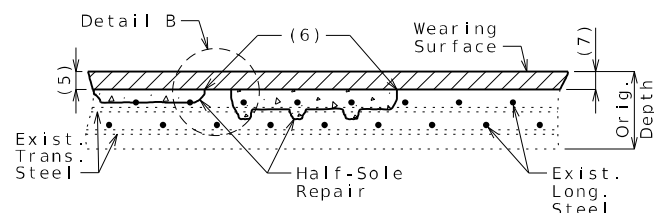
- (1) 1" scarification of existing deck
- (2) 1/2" minimum total surface hydro demolition of sound concrete, measured to mortar line
- (3) 1" vertical side shall be established outside the deteriorated area.
- (4) 1 1/2" minimum latex modified concrete wearing surface

Note:
Monolithic deck repair shall be used when only half the diameter or less of the top bar is exposed.

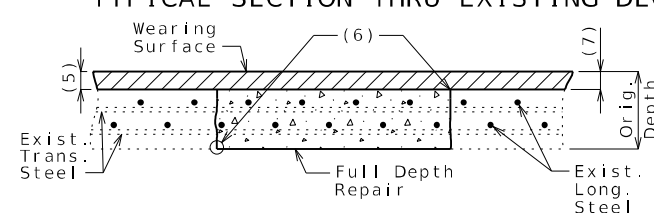
LATEX MODIFIED CONCRETE WEARING SURFACE ALTERNATE DETAILS



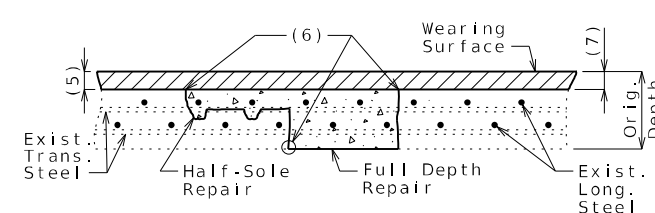
TYPICAL SECTION THRU EXISTING DECK



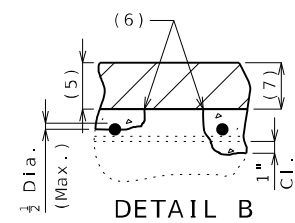
HALF-SOLE REPAIR



FULL DEPTH REPAIR



FULL DEPTH REPAIR WITH HALF-SOLE REPAIR



DETAIL B

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

- (5) 1" scarification of existing deck.
- (6) 1" vertical side shall be established outside the deteriorated area.
- (7) 1" minimum polyester polymer concrete wearing surface.

POLYESTER POLYMER CONCRETE WEARING SURFACE ALTERNATE DETAILS

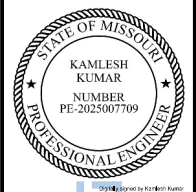
WEARING SURFACE DETAILS

Notes:
Polyester polymer concrete may be substituted for Class B-2 concrete at locations of half-sole and full depth repairs. Deck repairs using polyester polymer concrete shall be placed following the procedures recommended by the manufacturer. The maximum lift height recommended by the manufacturer is not to be exceeded. Monolithic repairs are permitted when half the diameter or less of the top bar is exposed.

Detailed May 2025
Checked July 2025

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 3 of 32



Kamlesh Kumar
Professional Engineer

DATE PREPARED
8/6/2025

ROUTE STATE
I-55 MO

DISTRICT SHEET NO.
BR 4

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06092

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

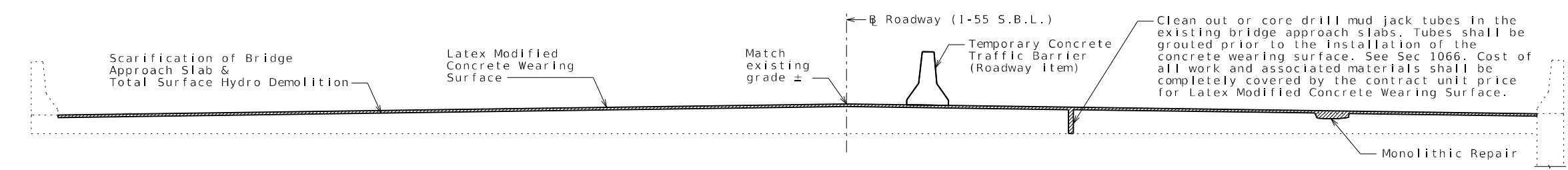
MoDOT

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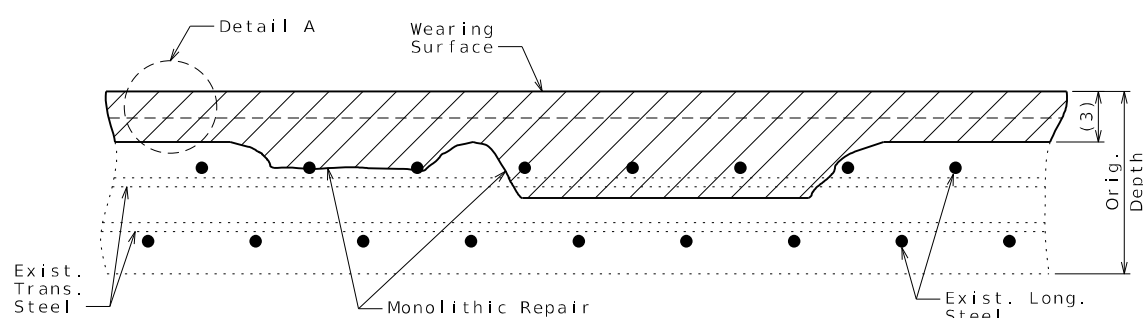
600 Washington Ave. Suite 1700 St. Louis, MO 63101 t: +1-618-406-2385 Missouri Certificate of Authority: F0114526

exp.

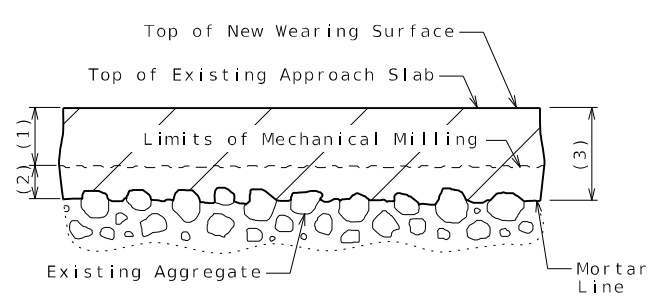
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SECTION AT WINGWALL
(Section at end of Bridge Approach Slab similar)



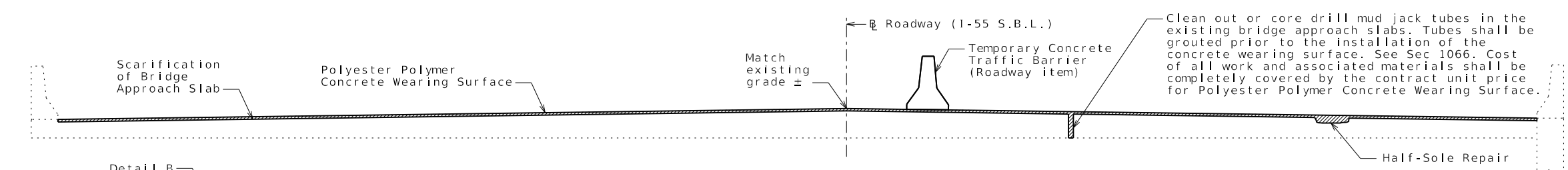
MONOLITHIC REPAIR



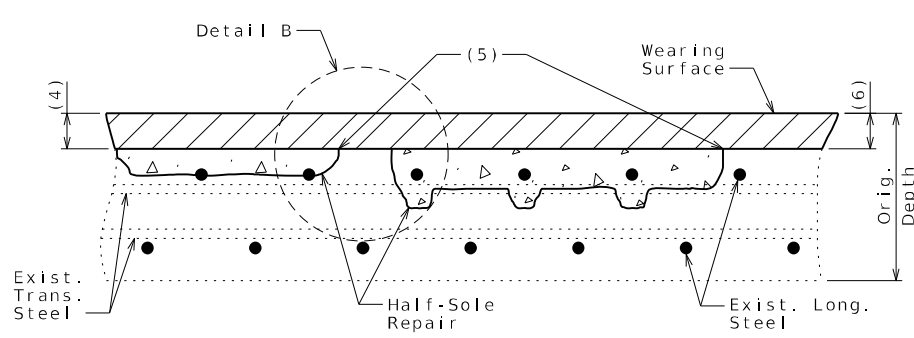
DETAIL A

- (1) 1" scarification of existing approach slab
- (2) 1/2" minimum total surface hydro demolition of sound concrete, measured to mortar line
- (3) 1 1/2" Latex Modified Concrete Wearing Surface

LATEX MODIFIED CONCRETE WEARING SURFACE ALTERNATE DETAILS

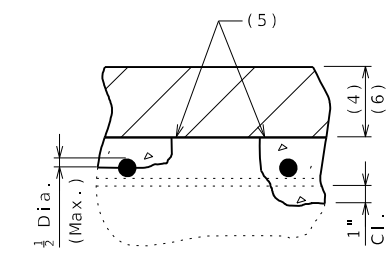


SECTION AT WINGWALL
(Section at end of Bridge Approach Slab similar)



HALF-SOLE REPAIR

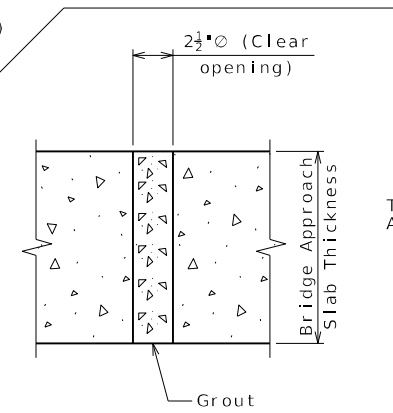
- (4) 1" scarification of existing approach slab
- (5) 1" vertical side shall be established outside the deteriorated area.
- (6) 1" Polyester Polymer Concrete Wearing Surface



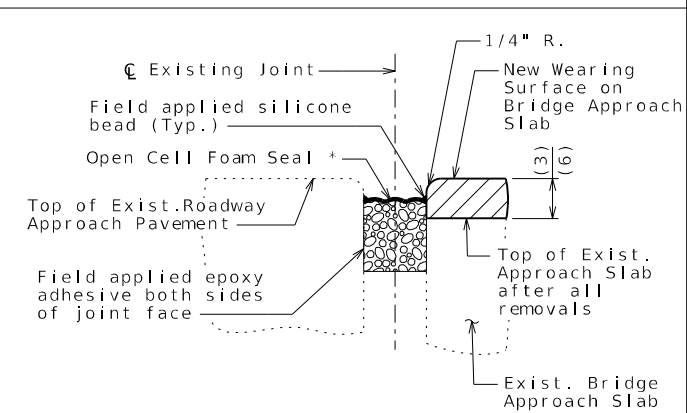
DETAIL B

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

Note: Polyester polymer concrete may be substituted for Class B-2 concrete at locations of half-sole and full depth repairs. Deck repairs using polyester polymer concrete shall be placed following the procedures recommended by the manufacturer. The maximum lift height recommended by the manufacturer is not to be exceeded. Monolithic repairs are permitted when half the diameter or less of the top bar is exposed.



TYPICAL MUD JACK TUBE DETAIL
Drilling, cleaning, and grouting of mud jack tubes in both approach slabs is included in the cost of wearing surface.



SECTION THRU JOINT
(Between Roadway Approach Pavement and Bridge Approach Slab)

* Manufacturer's recommended size
Extend seal 3" past edges of slab.

POLYESTER POLYMER CONCRETE WEARING SURFACE ALTERNATE DETAILS

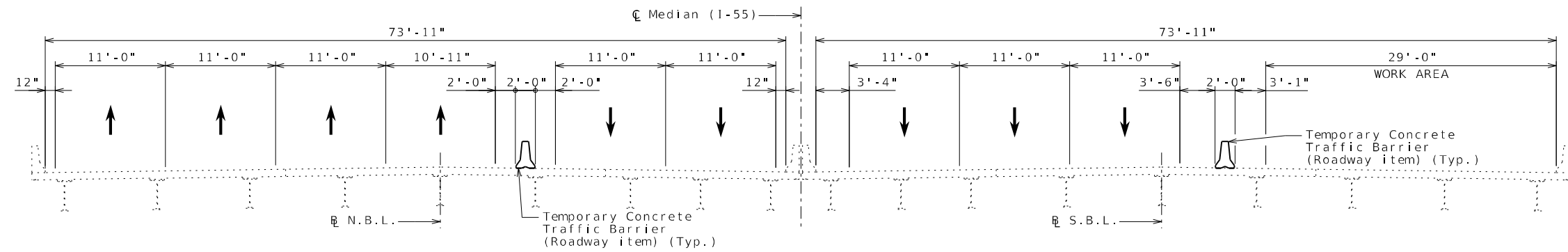
BRIDGE APPROACH SLAB REPAIR DETAILS

Note: This drawing is not to scale. Follow dimensions.

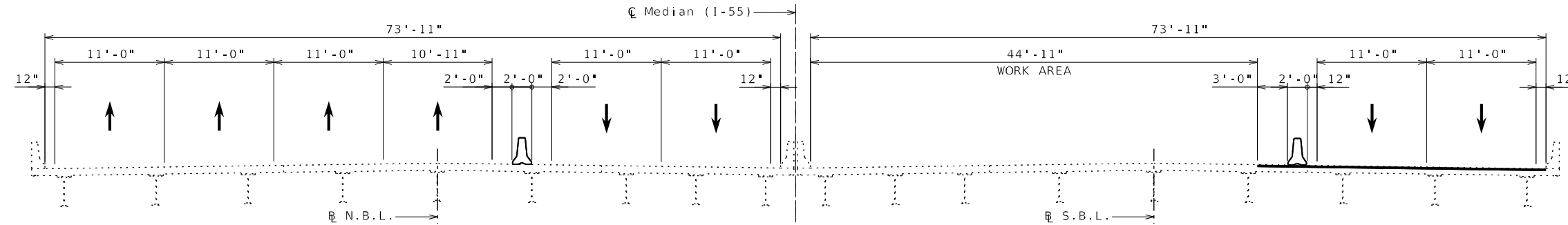
Sheet No. 4 of 32

Detailed May 2025
Checked July 2025

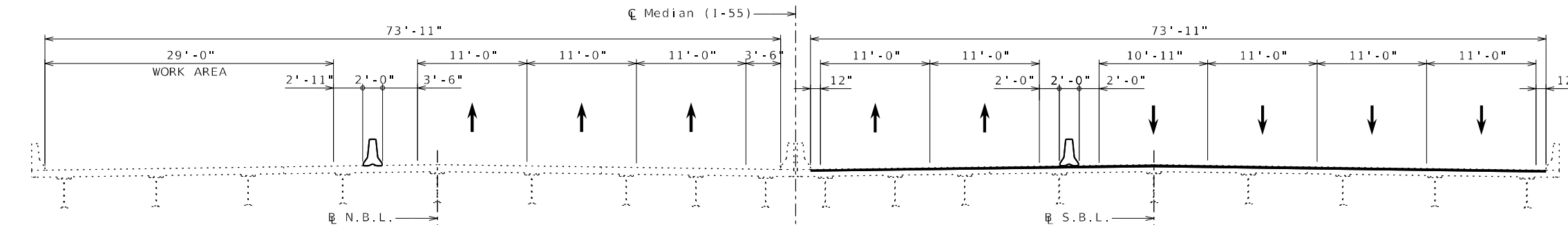
REV.



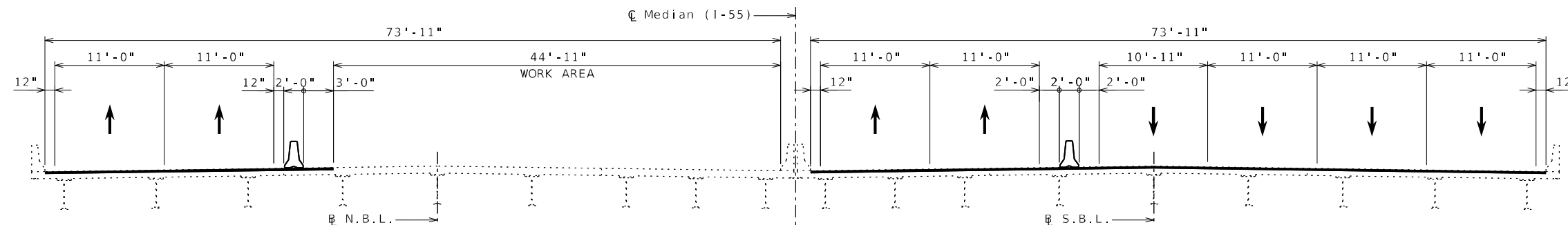
STAGE 1 CONSTRUCTION
(Looking Upstation)



STAGE 2 CONSTRUCTION
(Looking Upstation)



STAGE 3 CONSTRUCTION
(Looking Upstation)



STAGE 4 CONSTRUCTION
(Looking Upstation)

Note:
Temporary barrier shall not be attached to the bridge.

DETAILS OF STAGED CONSTRUCTION

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 5 of 32

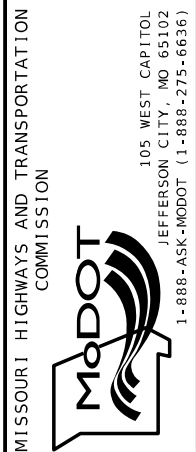
Detailed May 2025
Checked July 2025



DATE PREPARED
8/6/2025
ROUTE
I-55 STATE
MO
DISTRICT
BR SHEET NO.
5
COUNTY
ST LOUIS / JEFFERSON
JOB NO.
J613290
CONTRACT ID.
PROJECT NO.

BRIDGE NO.
A06092

DESCRIPTION	DATE



EXP U.S. Services Inc.
600 Washington Ave.
Suite 1700
St. Louis, MO 63101
t: +1.618.406.2385
Missouri Certificate of
Authority: F01144526





Kamlesh Kumar
Professional Engineer
No. 2025007709

DATE PREPARED
10/14/2025

ROUTE
I-55 STATE
MO

DISTRICT
BR SHEET NO.
6

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06092

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

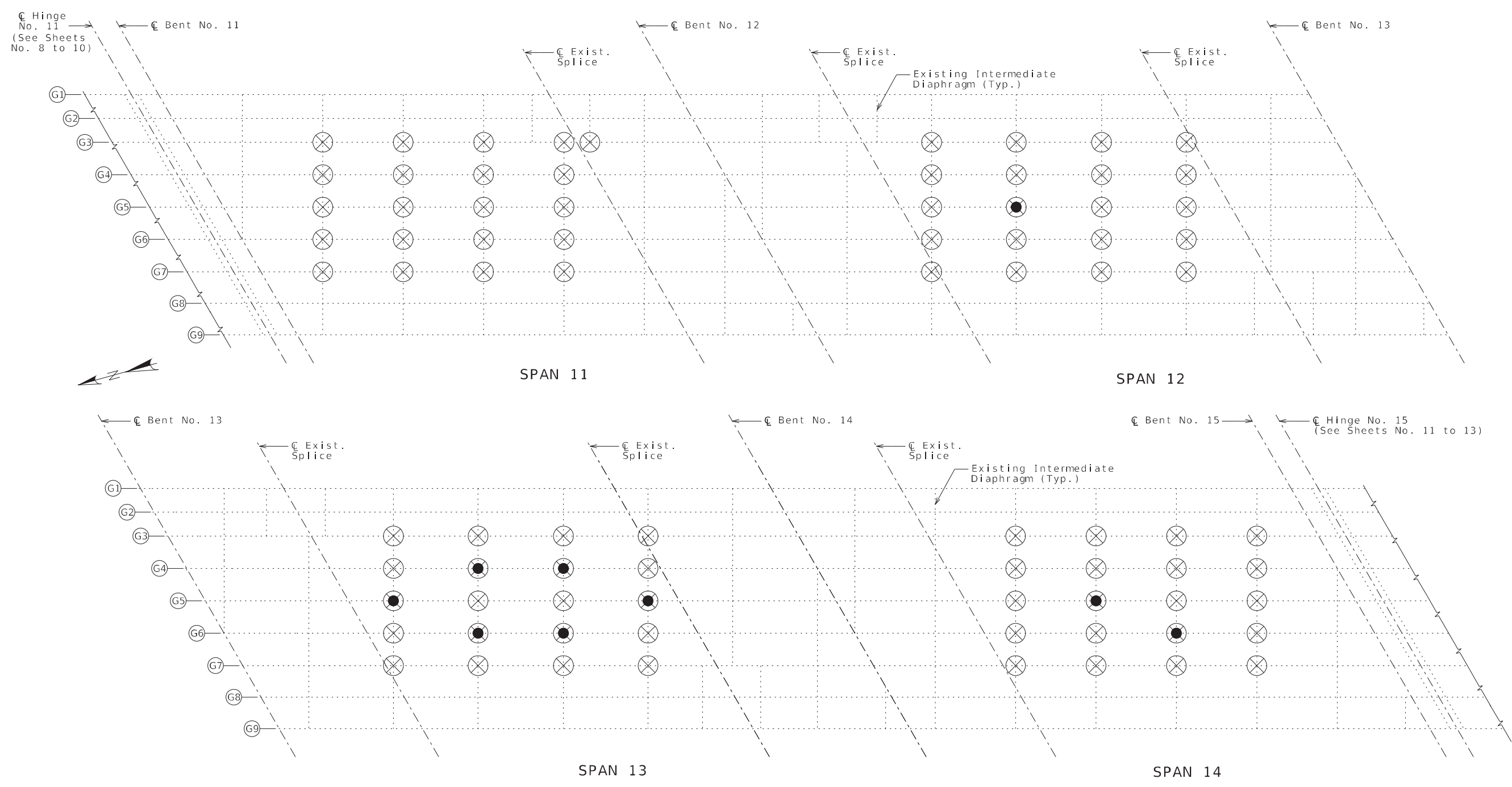
MoDOT

EXP U.S. Services Inc.

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exp.

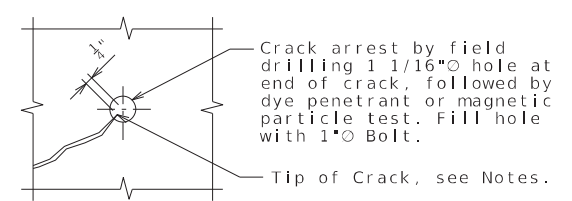
REV.



PLAN OF REPAIR LOCATIONS

Notes:

- Only those fatigue cracks which have propagated into the girder web need repair. Cracks that are confined entirely within the weld metal are not required to be repaired.
The extent of crack repair may vary from the estimated quantity but the contract unit price shall prevail regardless of the variation. Fatigue Crack Repair will be measured per each.
Cost of fatigue crack repair including NDT (dye penetrate or magnetic particle) and crack arresting will be considered completely covered by the contract unit price for Fatigue Crack Repair.
 - See Sheet No. 7 for details of Existing Diaphragm Connection to Flange.
Each location includes two diaphragm connections, one on each side of the girder web.
Girders G3 and G7 may have stiffening angles installed at some diaphragm locations, connecting top flange to the diaphragm stiffeners. A new diaphragm connection is required only if there is no stiffening angles already installed.
- Work described by notes 1 and 2 shall not be performed under live load directly applied on slab over girder under repair.
See Sheet No. 14 for other steel repairs in spans not shown.



FATIGUE CRACK REPAIR

LEGEND

- Location of Fatigue Crack Repair in girder web. May represent more than one crack at the location. See Note 1
- ⊗ Location of Existing Diaphragm Connection to Flange See Note 2

LOCATIONS OF GIRDER CRACK REPAIR

Note: This drawing is not to scale. Follow dimensions. Sheet No. 6 of 32

Detailed May 2025
Checked July 2025



Kamlesh Kumar
 Missouri State Board of Professional Engineers
 No. PE-2025007709

DATE PREPARED
 10/15/2025
 ROUTE I-55 STATE MO
 DISTRICT BR SHEET NO. 7

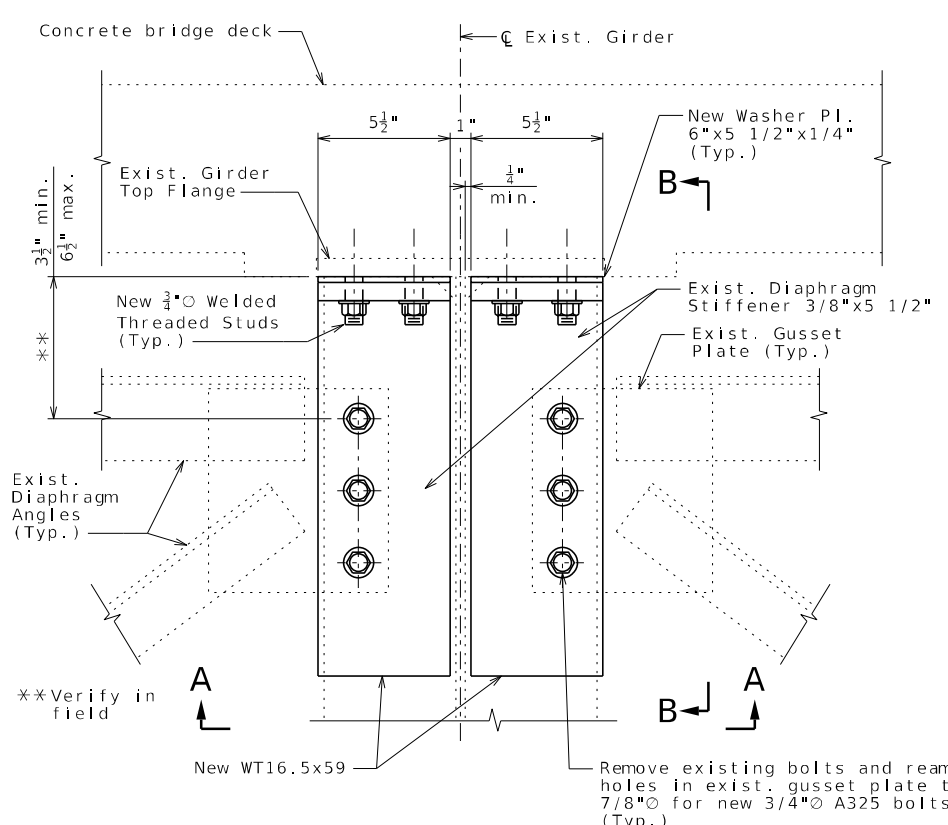
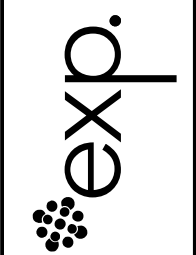
COUNTY
 ST LOUIS / JEFFERSON
 JOB NO.
 J613290
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.
 A06092

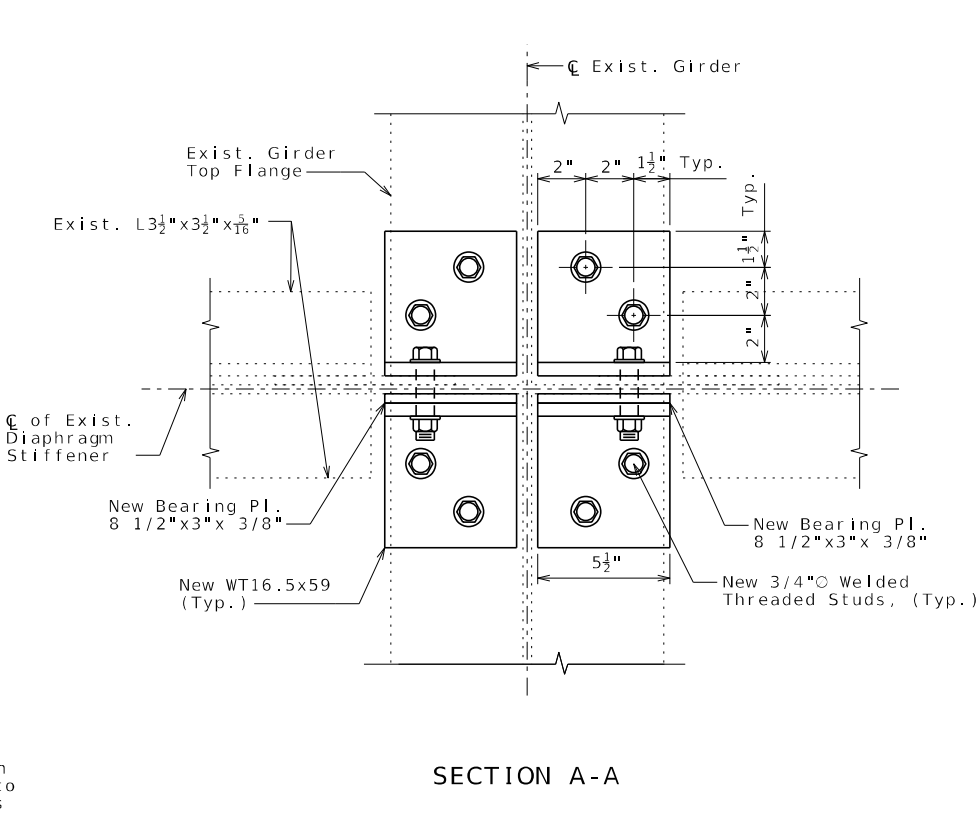
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MoDOT
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 1-888-ASK-MODOT (1-888-275-6636)

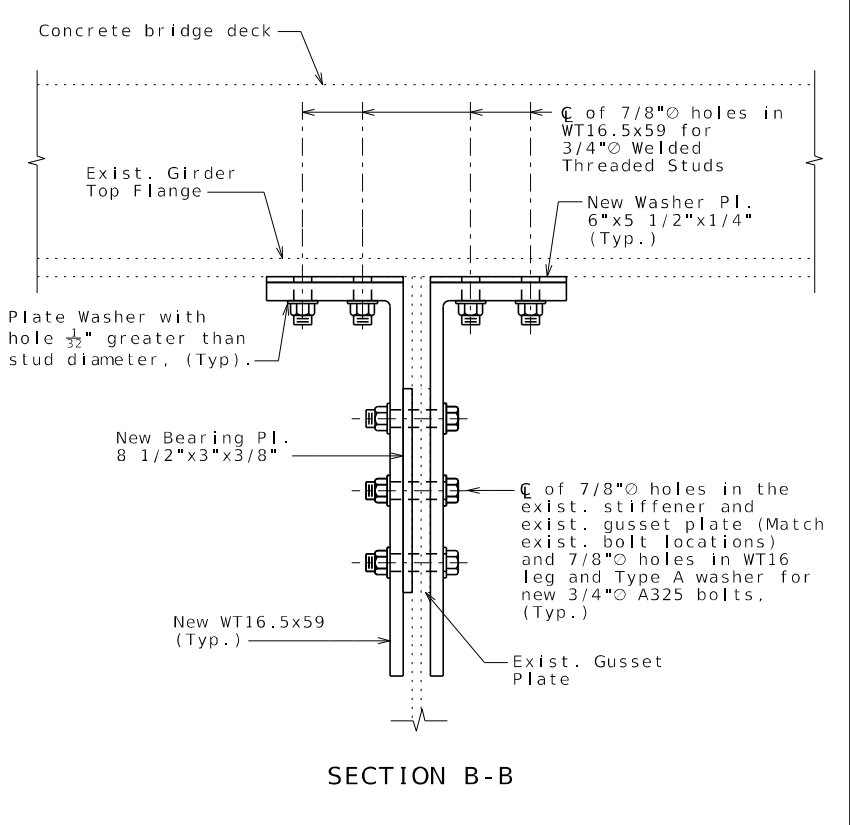
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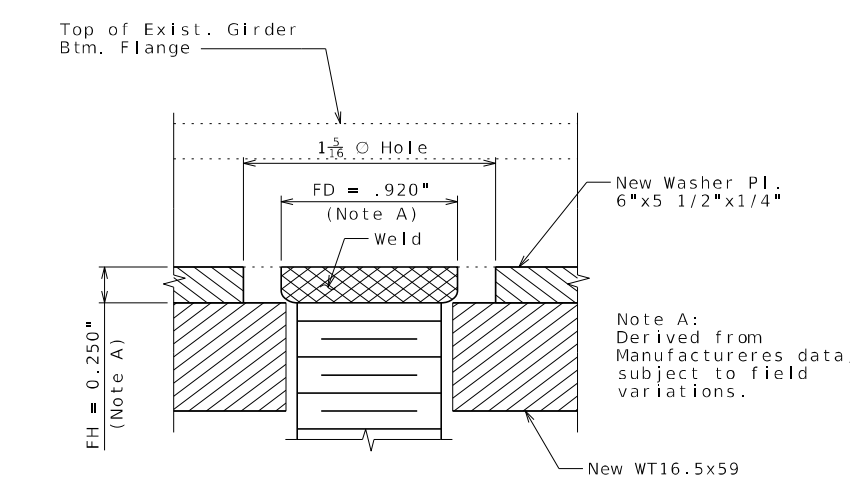
SECTION THRU GIRDER



SECTION A-A

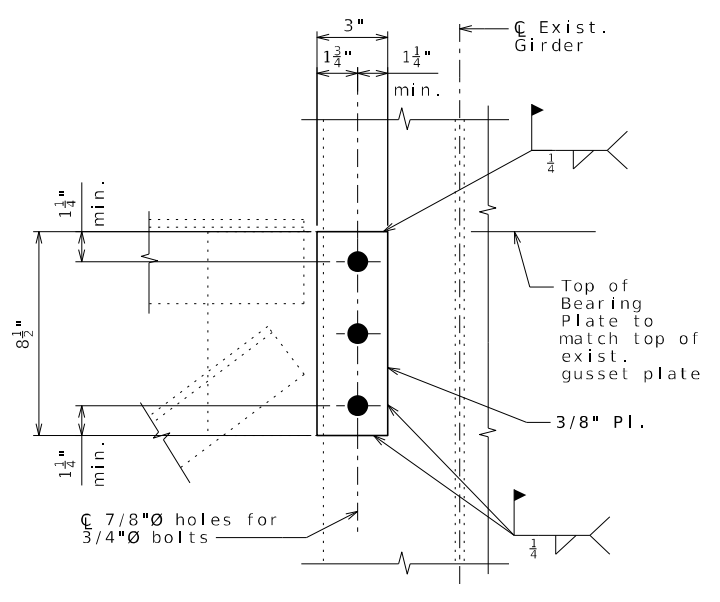


SECTION B-B



THREADED STUD CONNECTION DETAIL

Note: Threaded stud connection shall be in accordance with Sec 712, 1037 and 1080.



BEARING PLATE DETAIL

Notes:

3/4-inch \varnothing bolts shall be ASTM F3125 Grade A325, Type 1 bolts. Bolts, nuts and washers, except stainless steel, shall be galvanized in accordance with ASTM A153, Class C or mechanically galvanized in accordance with ASTM B695, Class 55.

3/4-inch \varnothing threaded studs shall be ASTM A108/A29 Grade C1010-C1020. Nuts on threaded stud shall be tightened to provide a tension of one-half that specified in Sec 712 for ASTM F3125 Grade A325 high strength bolt installation.

All new structural steel shall be ASTM A709 Grade 36, unless noted otherwise.

The contractor shall develop a test assembly to allow for repeatedly welding threaded studs, in the same manner as will be done on the existing steel, to a nominally dimensioned, single ply of structural carbon steel plate so the plate can be removed for further testing.

Prior to welding any permanent threaded studs, the contractor shall, before beginning the start of new operation or change in operation, weld ten test specimens consecutively using optimal current and time. Optimal current and time shall be the midpoint of the range normally recommended by the manufacturer for production welding.

The ten test specimens shall be subject to torque and bend testing.

The torque test shall consist of fitting five welded threaded studs with a washer plate to fit around the base weld, a washer, and a nut to fit the threaded studs. The nuts shall be rotated to a snug tight condition, and using a torque wrench the nuts should be tightened to achieve a value of bolt tension of 60% of that shown in Sec 712.7.3 for ASTM F3125 Grade A325 bolts. A threaded stud will be considered as qualified if, on all test specimens, the base weld remains intact with no failures or if the base weld remains intact with failure of the stud.

The bend test shall consist of five welded threaded studs bent alternately in opposite directions to an angle of 30 degrees from vertical, until failure occurs. A threaded stud will be considered as qualified if, on all test specimens, fracture occurs in the shank of the stud and not in the weld.

Production welding of the threaded studs may proceed after one qualified torque and bend tests are achieved.

Cost of this work will be considered completely covered by the contract bid price for Existing Diaphragm Connection to Flange.

DETAILS OF EXISTING DIAPHRAGM CONNECTION TO FLANGE

Note: This drawing is not to scale. Follow dimensions. Sheet No. 7 of 32

Detailed May 2025
 Checked July 2025



Kamlesh Kumar
 PROFESSIONAL ENGINEER
 License No. PE-2025007709

DATE PREPARED
 8/6/2025

ROUTE
 I-55 STATE
 MO

DISTRICT
 BR SHEET NO.
 8

COUNTY
 ST LOUIS / JEFFERSON

JOB NO.
 J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
 A06092

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

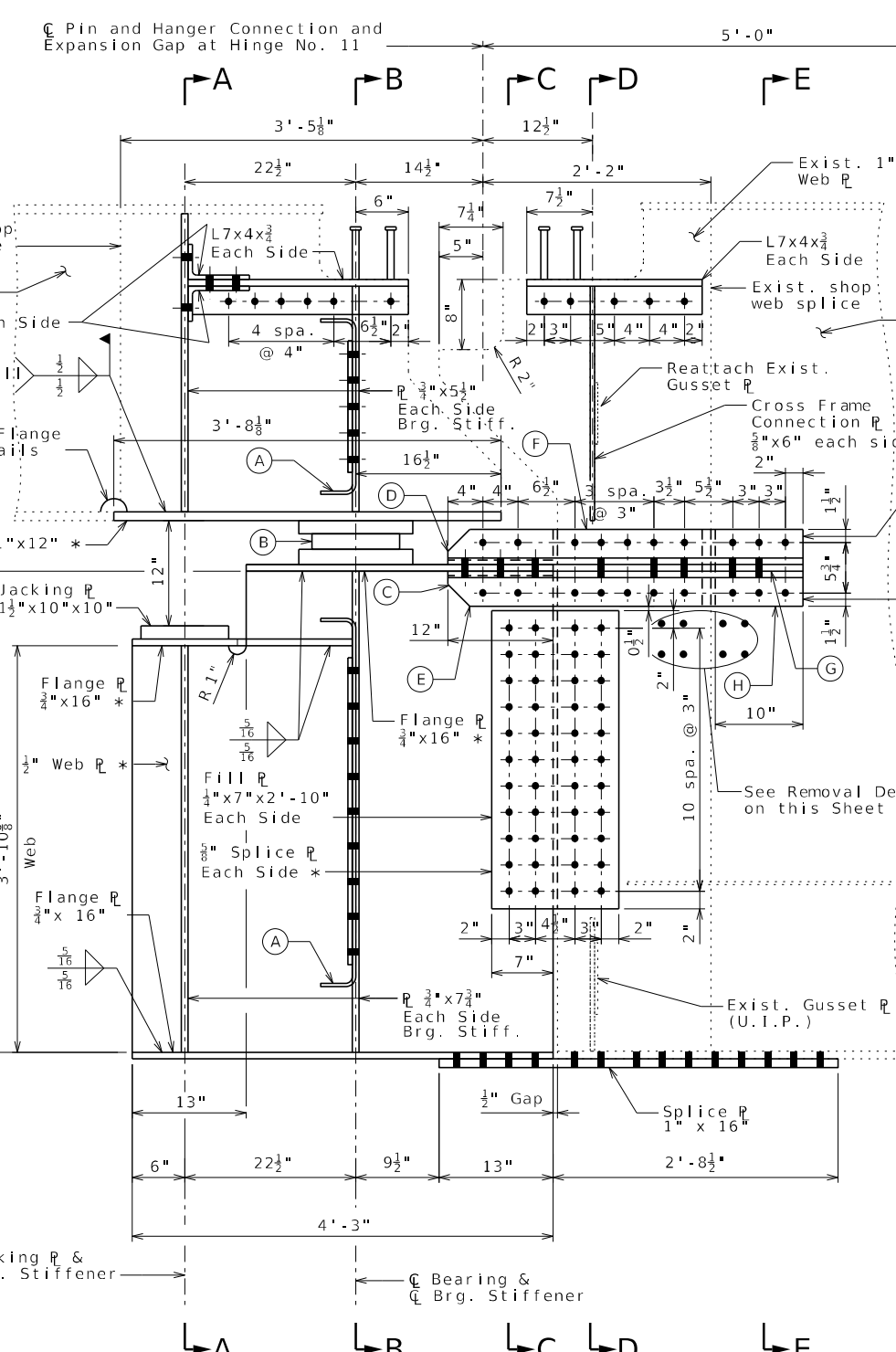
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exp.

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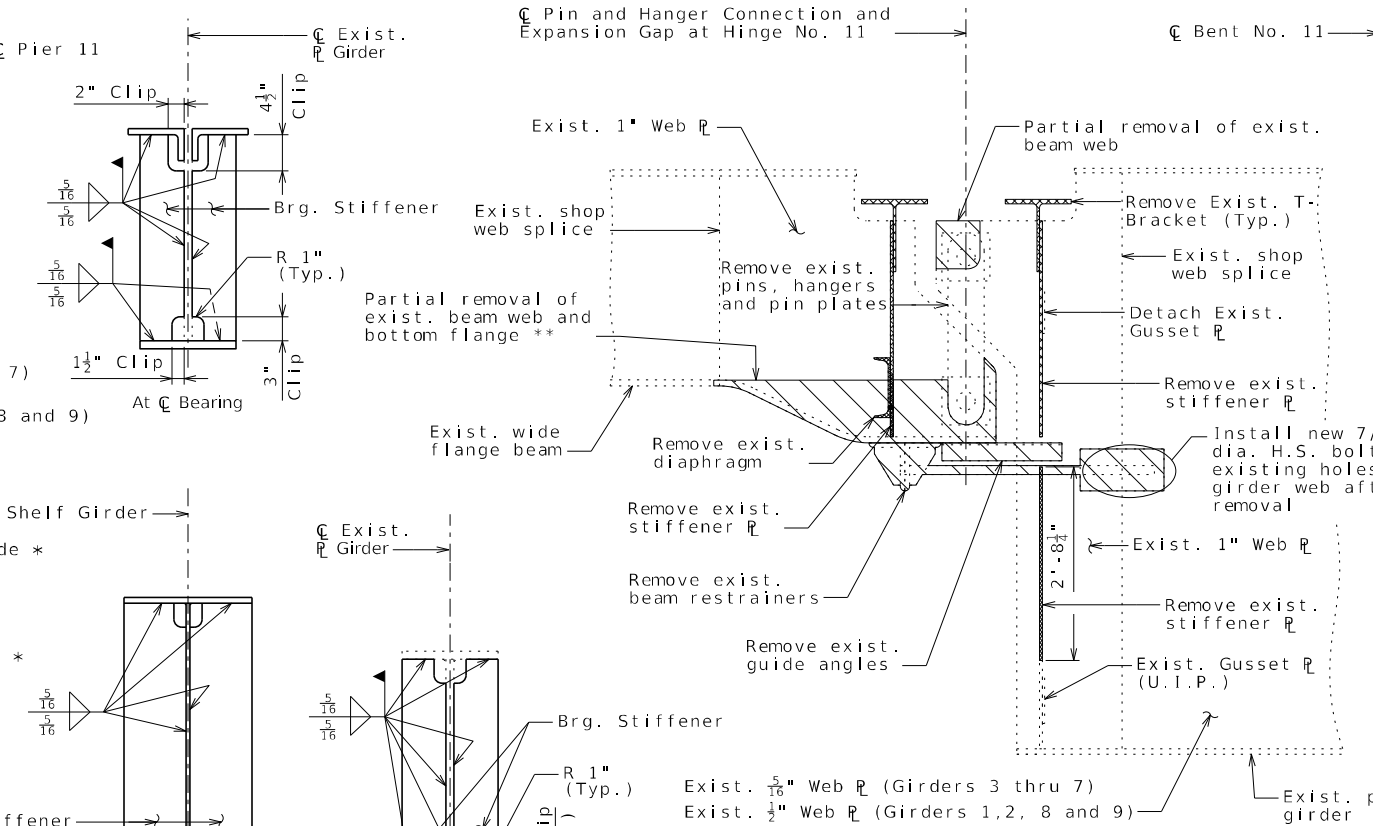
PART ELEVATION SHOWING PROPOSED SHELF
 Segmental expansion device and slab concrete not shown for clarity.

- (A) Bent R Diaphragm, See Sheet No. 9 for details
- (B) Bearing Assembly, See Sheet No. 29 for details
- (C) 2 1/2"x2 1/2" Clip (Typ.)
- (D) Fill R 1 1/2"x3 1/2"x12"
- (E) Fill R 1/2"x3 1/2"x12" Each Side
- (F) Fill R 1/4"x8 3/4"x16 1/2" Each Side
- (G) Fill R 3/4"x6 1/2"x2'-4" Each Side
- (H) Fill R 1/2"x8 3/4"x10" Each Side (Girders 1, 2, 8 & 9)
 Fill R 3/8"x8 3/4"x10" Each Side (Girders 3 thru 7)

Detailed May 2025
 Checked July 2025

HINGE MODIFICATION NEAR BENT NO. 11 - DETAIL 1

Note: This drawing is not to scale. Follow dimensions. Sheet No. 8 of 32



PART ELEVATION SHOWING EXISTING HINGE DETAIL AND REMOVALS

Notes:
 For Sections A-A thru I-I, see Sheets No. 9 and 10.

Removal of existing beam bottom flange and web, existing pins, pin plates and any other removal incidental to hinge modification will be considered completely covered by the contract unit price for Hinge Modification per each.

The cost of furnishing all materials and labor necessary for hinge modification including structural steel, bolts and incidental work, complete in place, will be considered completely covered by the contract unit price for Hinge Modification per each.

The cost of furnishing all materials and labor necessary for installation of new bent plate diaphragms will be considered completely covered by the contract unit price for Fabricated Structural Carbon Steel (Misc.).

All structural steel shall be ASTM A709 Grade 36, unless noted otherwise.

Any weld material remaining after removal shall be ground flush. Back gouge all full penetration groove welds.

Field welded fillet welds shall be NDT by the magnetic particle process as required by AASHTO/AWS D1.5 2002. Bridge Welding Code clause 6.7.2.

All field welds shall be in accordance with Sec 712.

For details of bearings and bearing pad assembly, see Sheet No. 29.

* Indicates plates subject to notch toughness requirements.

** Install diaphragms in at least one girder bay and both bearing stiffeners before removing the bottom flange of the wide flange beam.

*** End fillet welds 1/2" from edge of weld access hole.

Fabricated Steel Connection Notes:

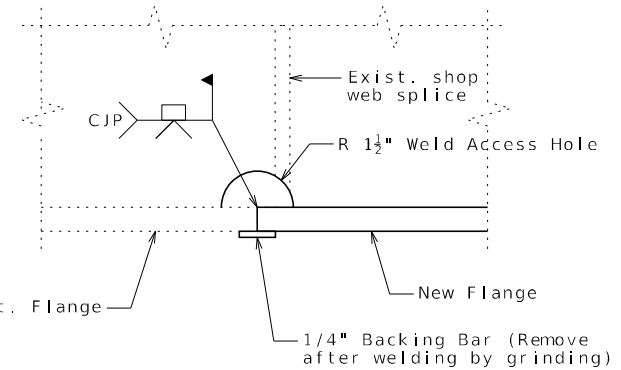
Field connections shall be made with 7/8" diameter high strength bolts and 15/16" diameter holes, except as noted.

High strength bolts, nuts and washers will be sampled for quality assurance as specified in Sec 106.

The design and construction of temporary support for removal and modification of existing pin-hanger hinges shall ensure that it can support all applicable dead loads, any contributing live load including impact from staged traffic handling, and any construction loads. See Sheet No. 27 for jacking loads for temporary supports.

BEARING STIFFENER DETAILS

Notes:
 Stop welds 1/4" (± 1/8") from edges.
 For additional bearing stiffener details, see sections on Sheet No. 9.



NEW FLANGE WELD DETAILS

Notes:
 Install backing bar with tack welds only. Backing bar to be same grade of material as new flange.
 Finished edge of weld access hole shall be in accordance with AWS D1.5 Section 3.2.2.

See Sheet No. 9 for additional notes.



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Professional Engineer
No. PE-2025007709

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8/6/2025

ROUTE
I-55 STATE
MO

DISTRICT
BR SHEET NO.
9

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06092

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

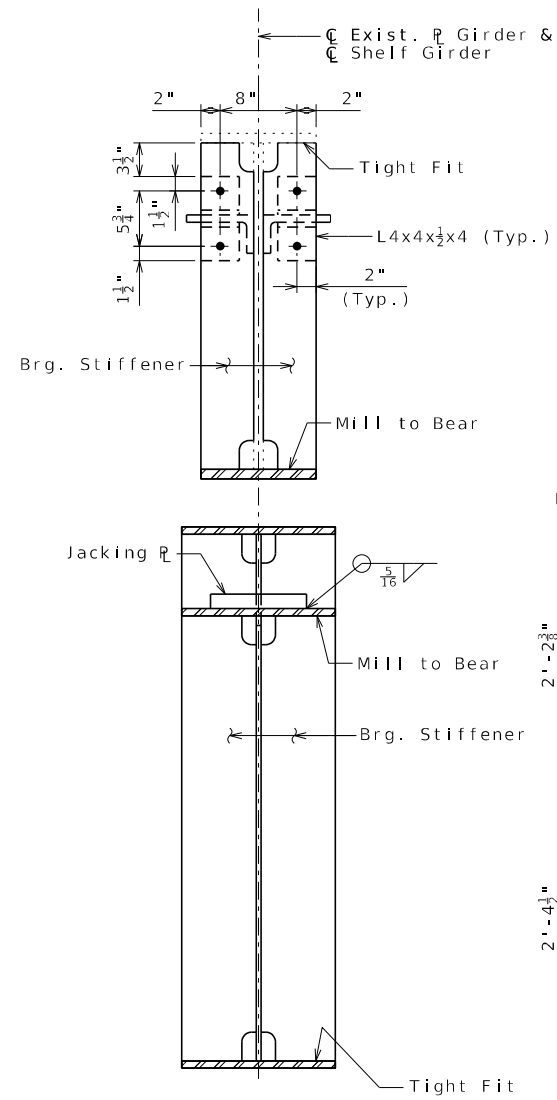
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EXP U.S. Services Inc.

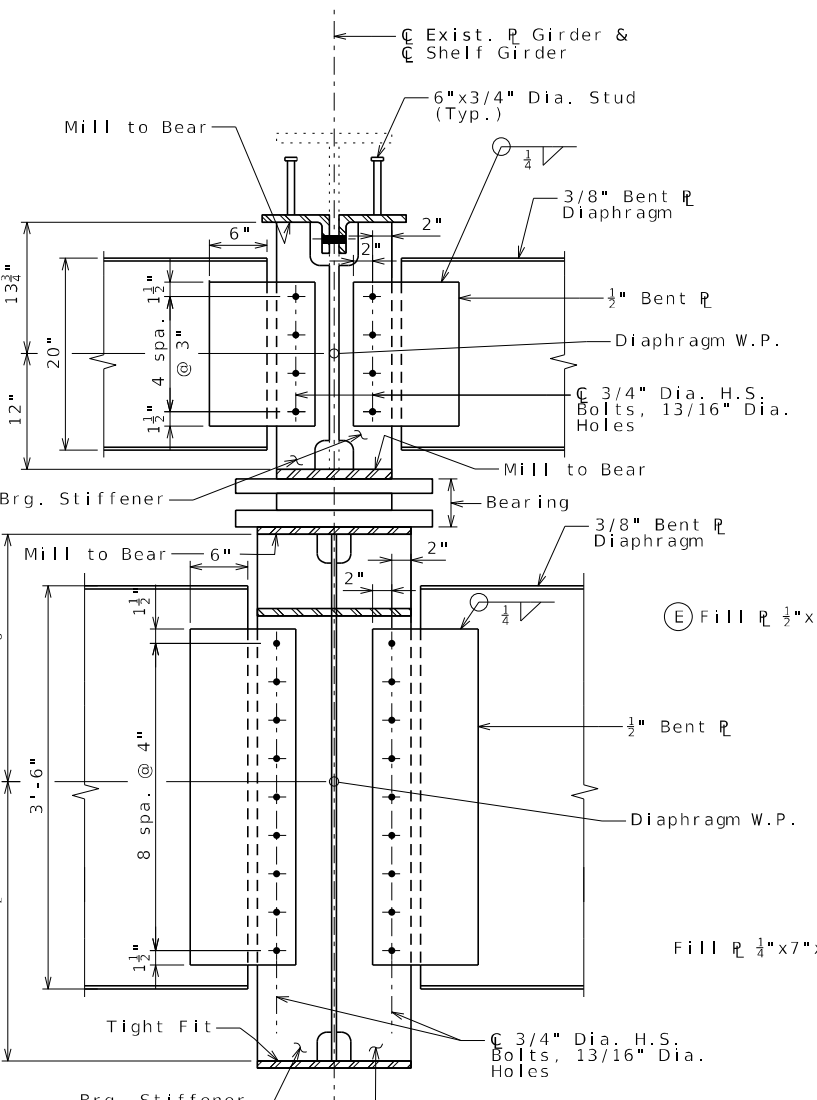
600 Washington Ave. Suite 1700 St. Louis, MO 63101 t: +1-618-406-2385 Missouri Certificate of Authority: F01144526

exp.

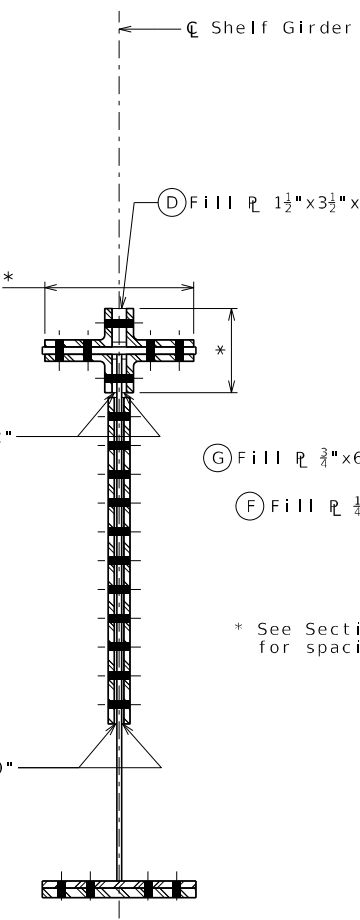
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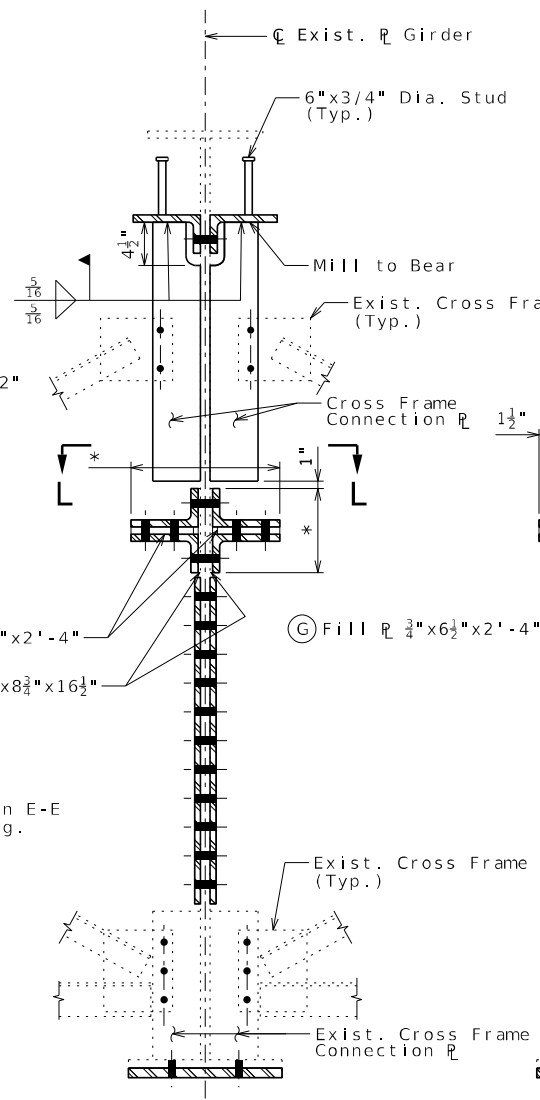
SECTION A-A



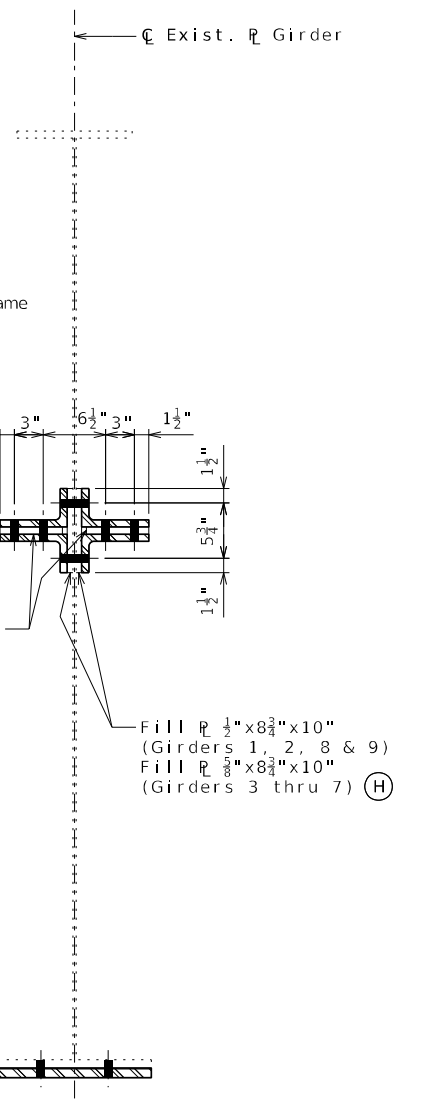
SECTION B-B



SECTION C-C

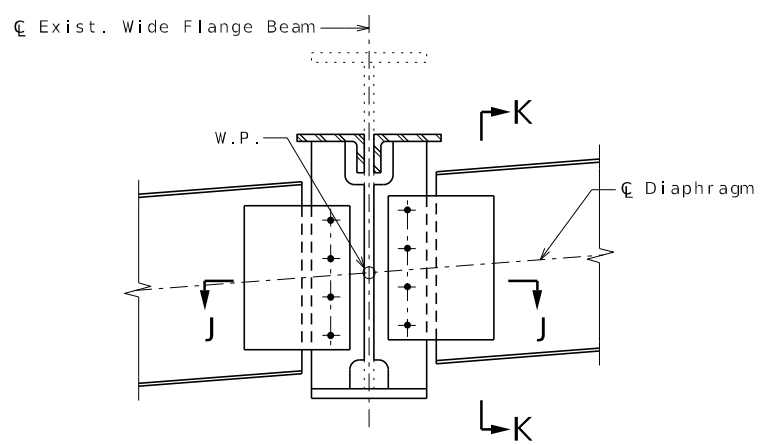


SECTION D-D



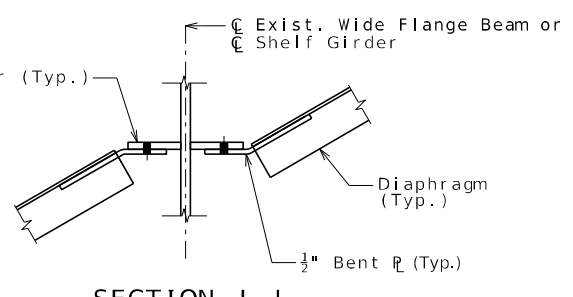
SECTION E-E

Note: For bearing stiffener weld details and corner clip dimensions, see bearing stiffener details on Sheet No. 8.

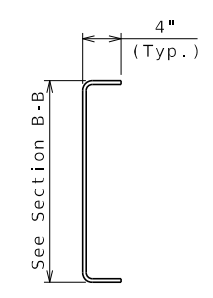


Note: Existing wide flange beam shown. Shelf girder diaphragm similar. See SECTION B-B for additional diaphragm details.

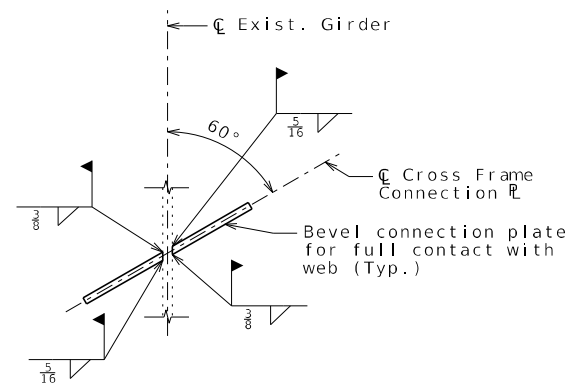
DIAPHRAGM ALIGNMENT DETAIL



SECTION J-J



SECTION K-K



SECTION L-L

Notes:
Bolts on existing diaphragms at individual hinge locations may be loosened to snug tight before PTFE bearing is installed. Replace bolts with new high strength bolts after hinge modification is complete.

Existing diaphragm members at individual hinge locations may be removed during hinge modification if these members interfere with construction. Replace these members with new high strength bolts after hinge modification is complete.

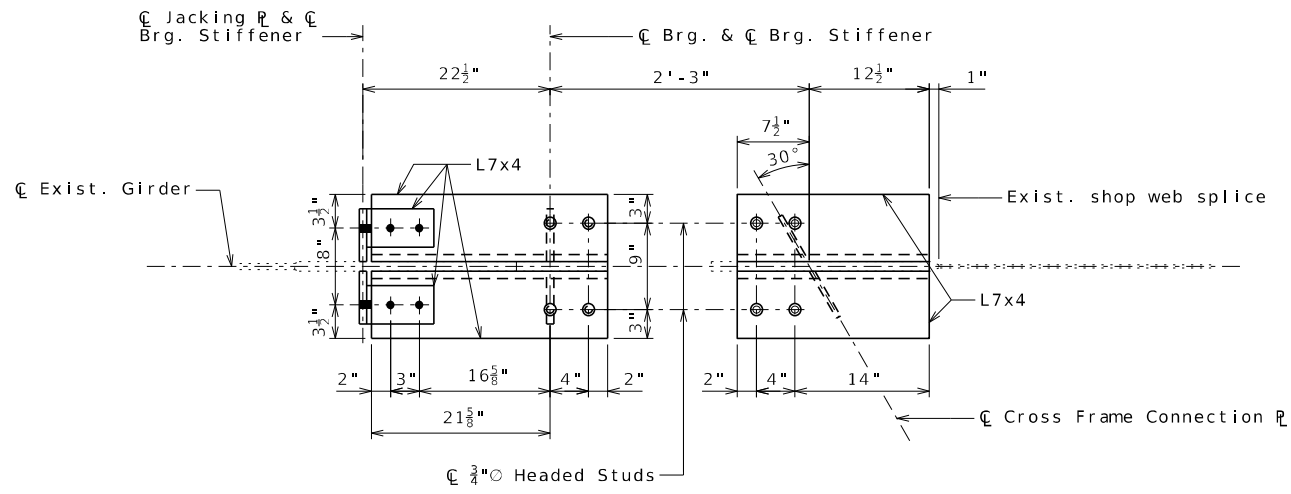
See Sheet No. 8 for additional notes.

HINGE MODIFICATION NEAR BENT NO. 11 - DETAIL 2

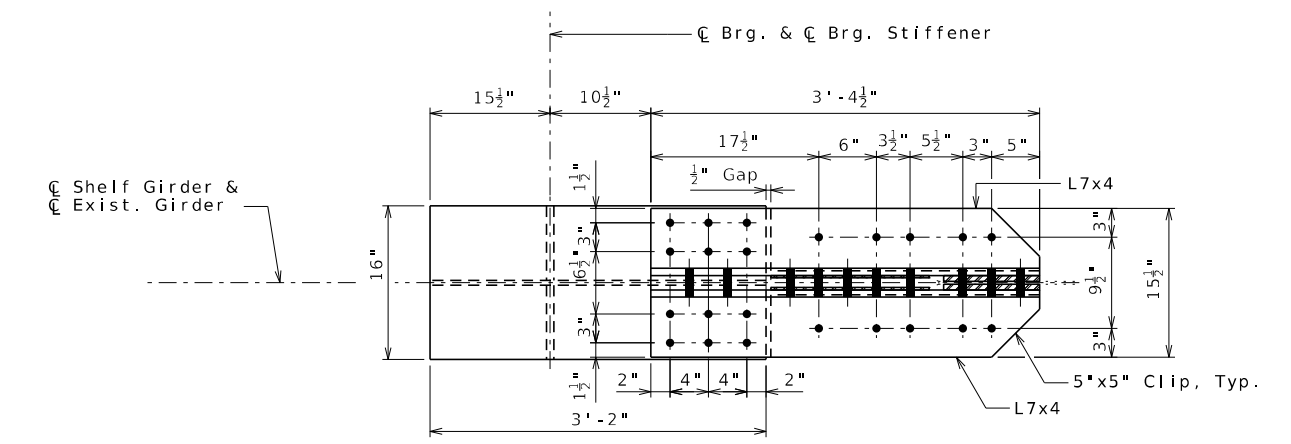
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 9 of 32

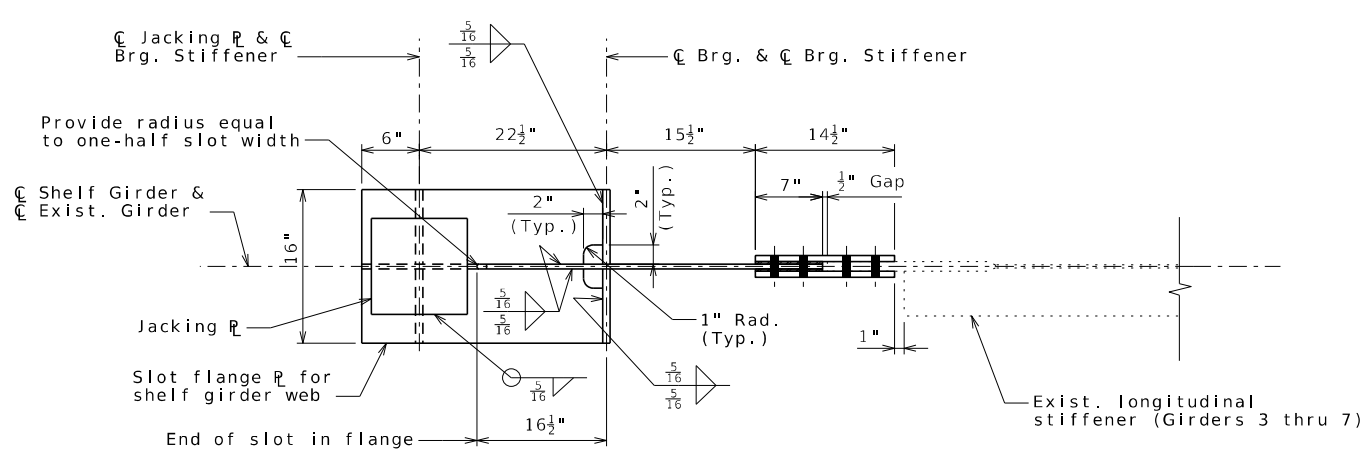
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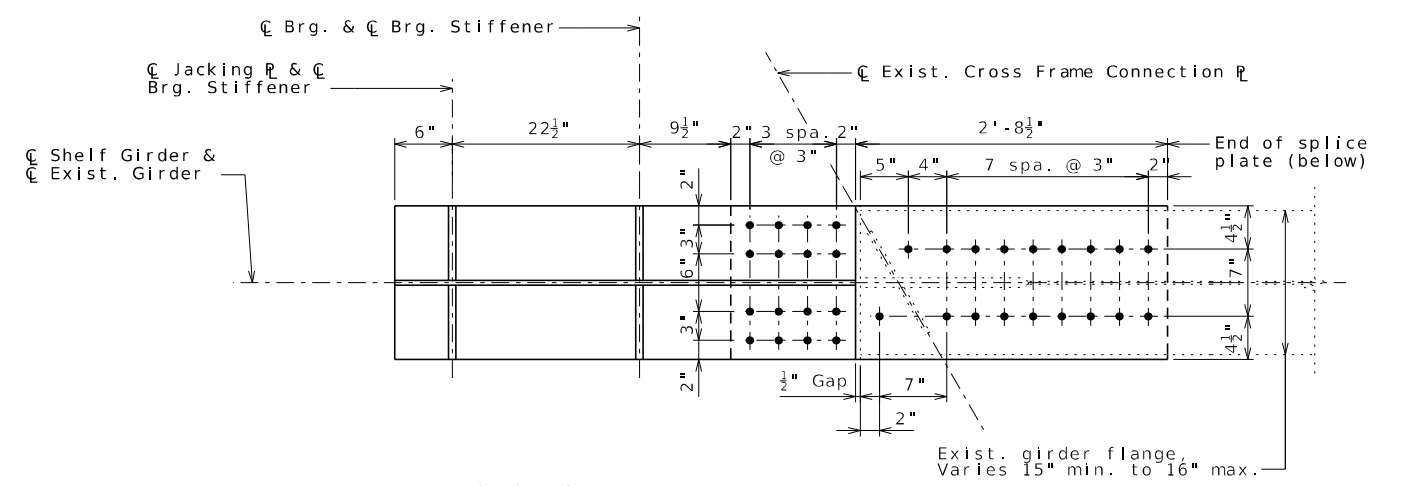
SECTION F-F



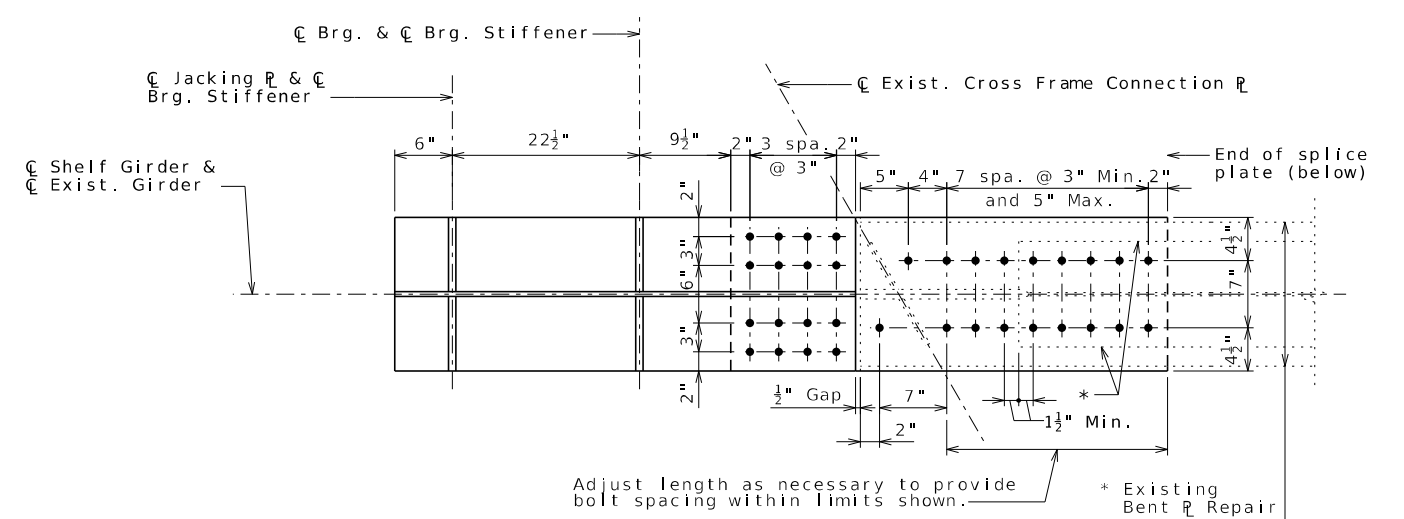
SECTION G-G



SECTION H-H



SECTION I-I
Existing girder bottom flange without existing bent plate repair.



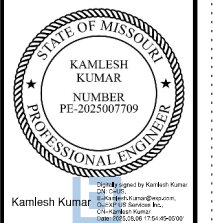
SECTION I-I
Existing girder bottom flange with existing bent plate repair.

HINGE MODIFICATION NEAR BENT NO. 11 - DETAIL 3

Note: This drawing is not to scale. Follow dimensions. Sheet No. 10 of 32

Notes:
For notes, see Sheet No. 8.

Detailed May 2025
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DATE PREPARED
8/6/2025
ROUTE I-55 STATE MO
DISTRICT BR SHEET NO. 10
COUNTY ST LOUIS / JEFFERSON
JOB NO. J613290
CONTRACT ID.

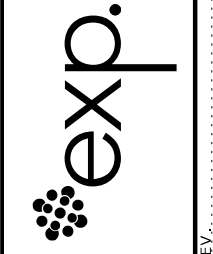
PROJECT NO.
BRIDGE NO. A06092

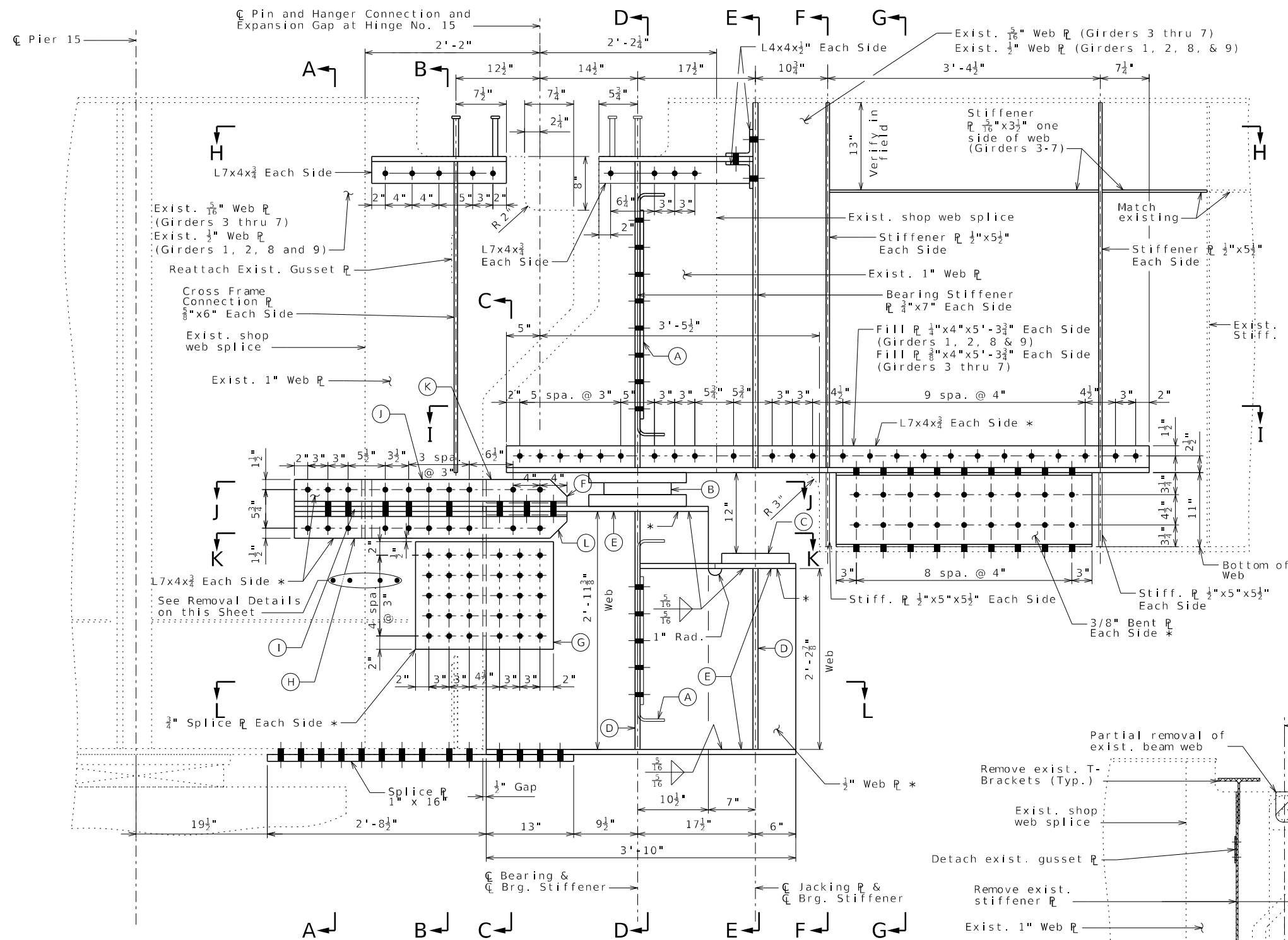
REVISION	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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 600 Washington Ave.
 Suite 1700
 St. Louis, MO 63101
 t: +1.618.406.2385
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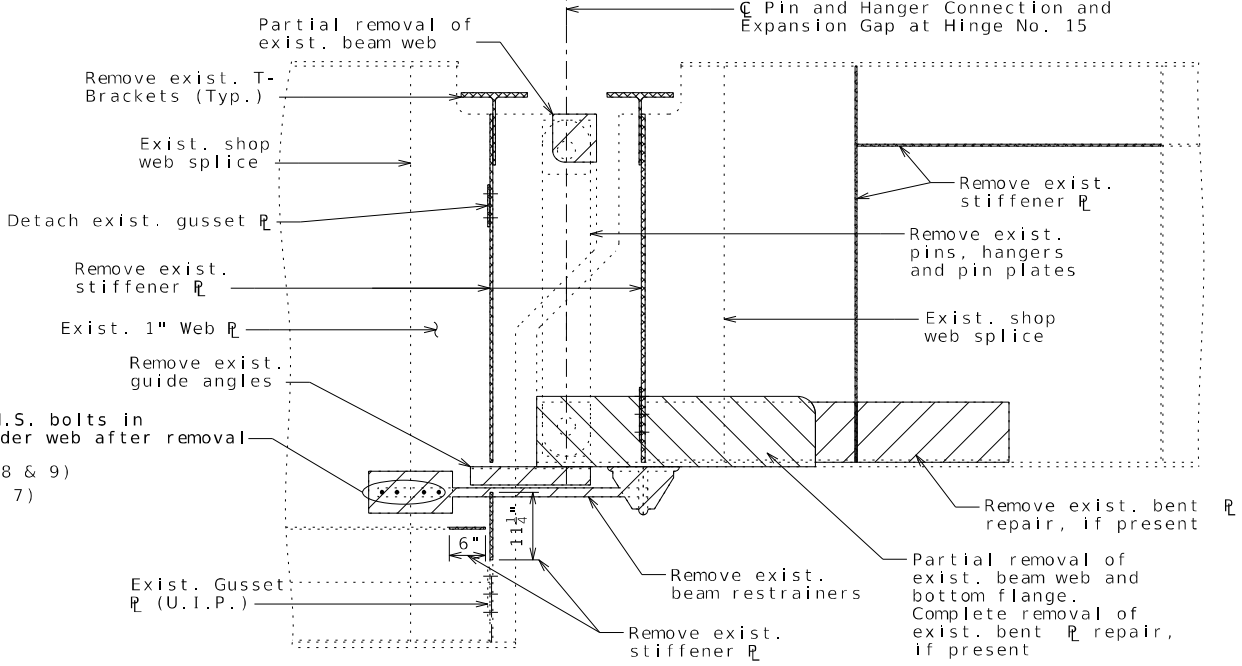


PART ELEVATION SHOWING PROPOSED SHELF

Segmental expansion device and slab concrete not shown for clarity.

- (A) Bent $\frac{1}{2}$ " Diaphragm & Connection $\frac{1}{2}$ ". See Sheet No. 12 for details
- (B) Bearing Assembly, See Sheet No. 30 for details
- (C) Jacking $\frac{1}{2}$ "x10"x10"
- (D) Bearing Stiffener $\frac{3}{4}$ "x7 $\frac{1}{4}$ " Each Side
- (E) Flange $\frac{3}{4}$ "x16"
- (F) 2 $\frac{1}{2}$ "x2 $\frac{1}{2}$ " Clip (Typ.)
- (G) Fill $\frac{1}{4}$ "x10"x16" Each Side
- (H) Fill $\frac{1}{4}$ "x8 $\frac{3}{4}$ "x10" Each Side (Girders 1, 2, 8 & 9)
Fill $\frac{1}{8}$ "x8 $\frac{3}{4}$ "x10" Each Side (Girders 3 thru 7)
- (I) Fill $\frac{1}{4}$ "x6 $\frac{1}{2}$ "x2'-4" Each Side
- (J) Fill $\frac{1}{4}$ "x8 $\frac{3}{4}$ "x16 $\frac{1}{2}$ " Each Side
- (K) Fill $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x12"
- (L) Fill $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x12" Each Side

Install new 3/4"Ø H.S. bolts in exist. holes in girder web after removal

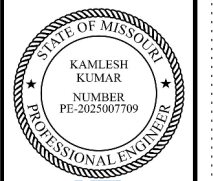


PART ELEVATION SHOWING EXISTING HINGE DETAIL AND REMOVALS

Notes:
For Sections A-A thru L-L, see Sheet No. 12 and 13.
Removal of existing beam bottom flange and web, existing pins, pin plates and any other removal incidental to hinge modification will be considered completely covered by the contract unit price for Hinge Modification per each.
The cost of furnishing all materials and labor necessary for hinge modification including structural steel, bolts and incidental work, complete in place, will be considered completely covered by the contract unit price for Hinge Modification per each.

The cost of furnishing all materials and labor necessary for installation of new bent plate diaphragms will be considered completely covered by the contract unit price for Fabricated Structural Carbon Steel (Misc.).
All structural steel shall be ASTM A709 Grade 36, unless noted otherwise.
Any weld material remaining after removal shall be ground flush.
Field welded fillet welds shall be NDT by the magnetic particle process as required by AASHTO/AWS D1.5 2002. Bridge Welding Code clause 6.7.2.
All field welds shall be accordance with Sec 712.

For details of bearings and bearing pad assembly, see Sheet No. 30.
* Indicates plates subject to notch toughness requirements.
Fabricated Steel Connection Notes:
Field connections shall be made with 7/8" diameter highstrength bolts and 15/16" diameter holes, except as noted.
High strength bolts, nuts and washers will be sampled for quality assurance as specified in Sec 106.
The design and construction of temporary support for removal and modification of existing pin-hanger hinges shall ensure that it can support all applicable dead loads, any contributing live load including impact from staged traffic handling, and any construction loads. See Sheet No. 27 for jacking loads for temporary supports.
Bolts on existing diaphragms at individual hinge locations may be loosened to snug tight before PTFE bearing is installed. Replace bolts with new high strength bolts after hinge modification is complete.
Existing diaphragm members at individual hinge locations may be removed during hinge modification if these members interfere with construction. Replace these members with new high strength bolts after hinge modification is complete.



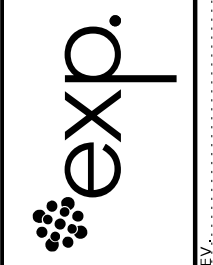
Kamlesh Kumar
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No. 105 West Capitol
Jefferson City, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 11
COUNTY ST LOUIS/JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

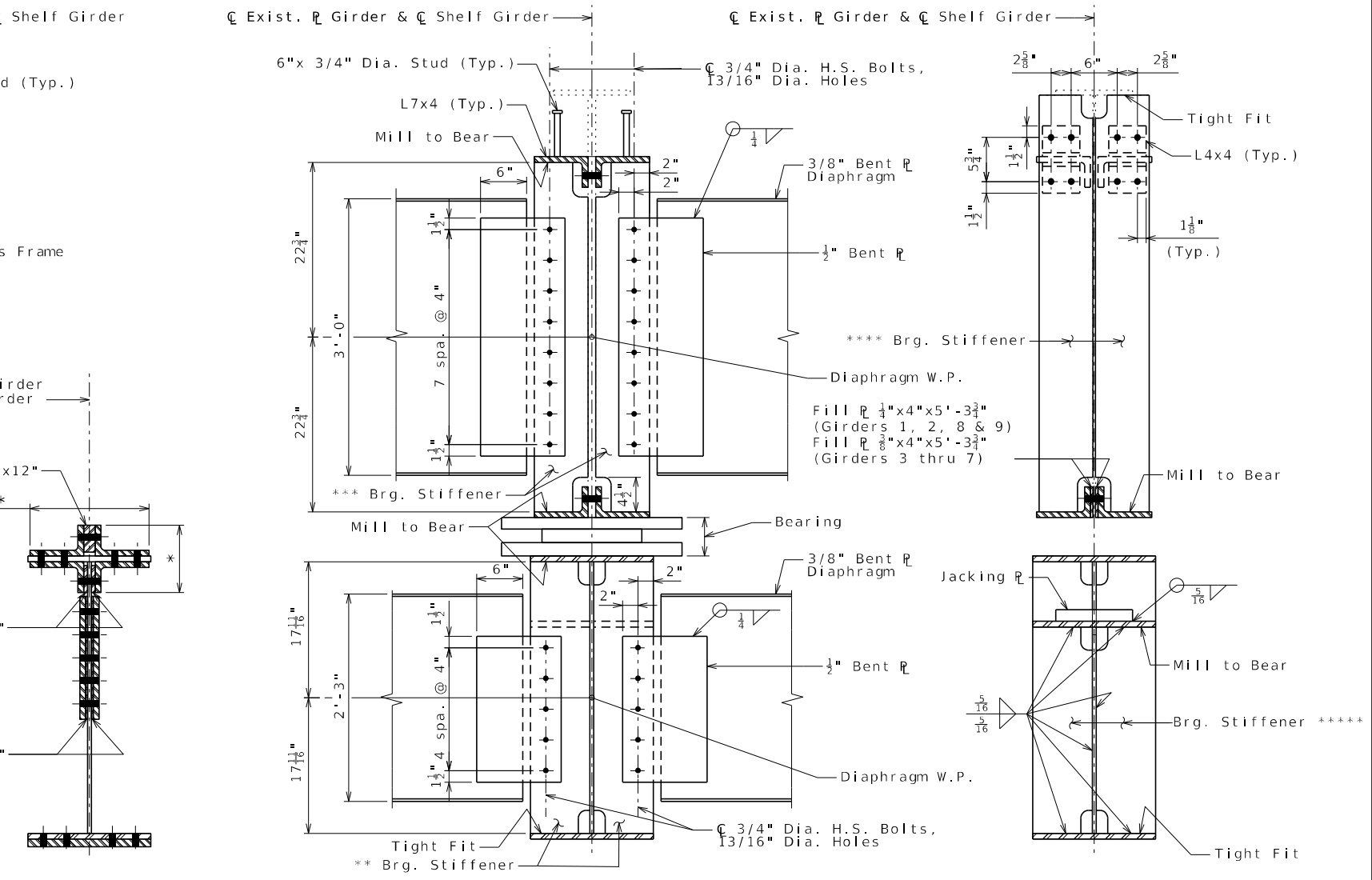
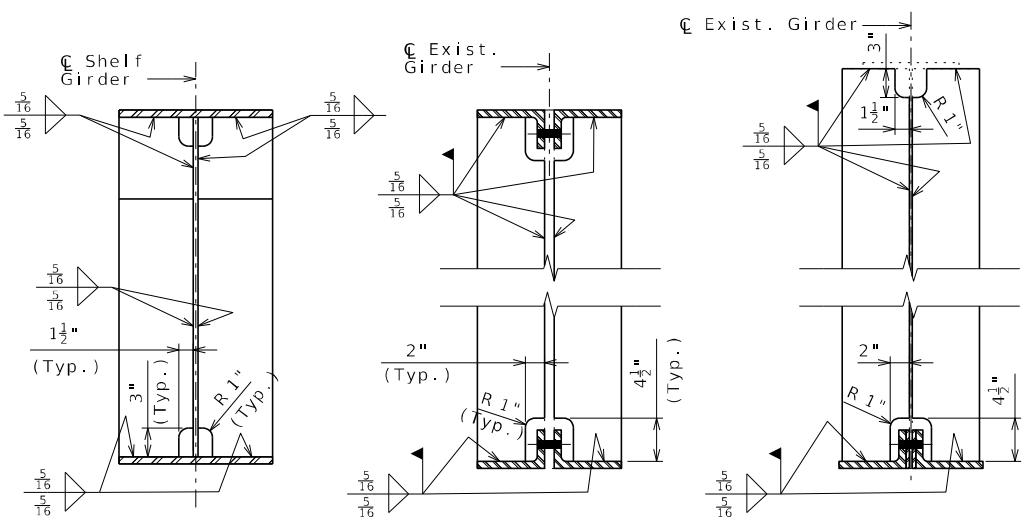
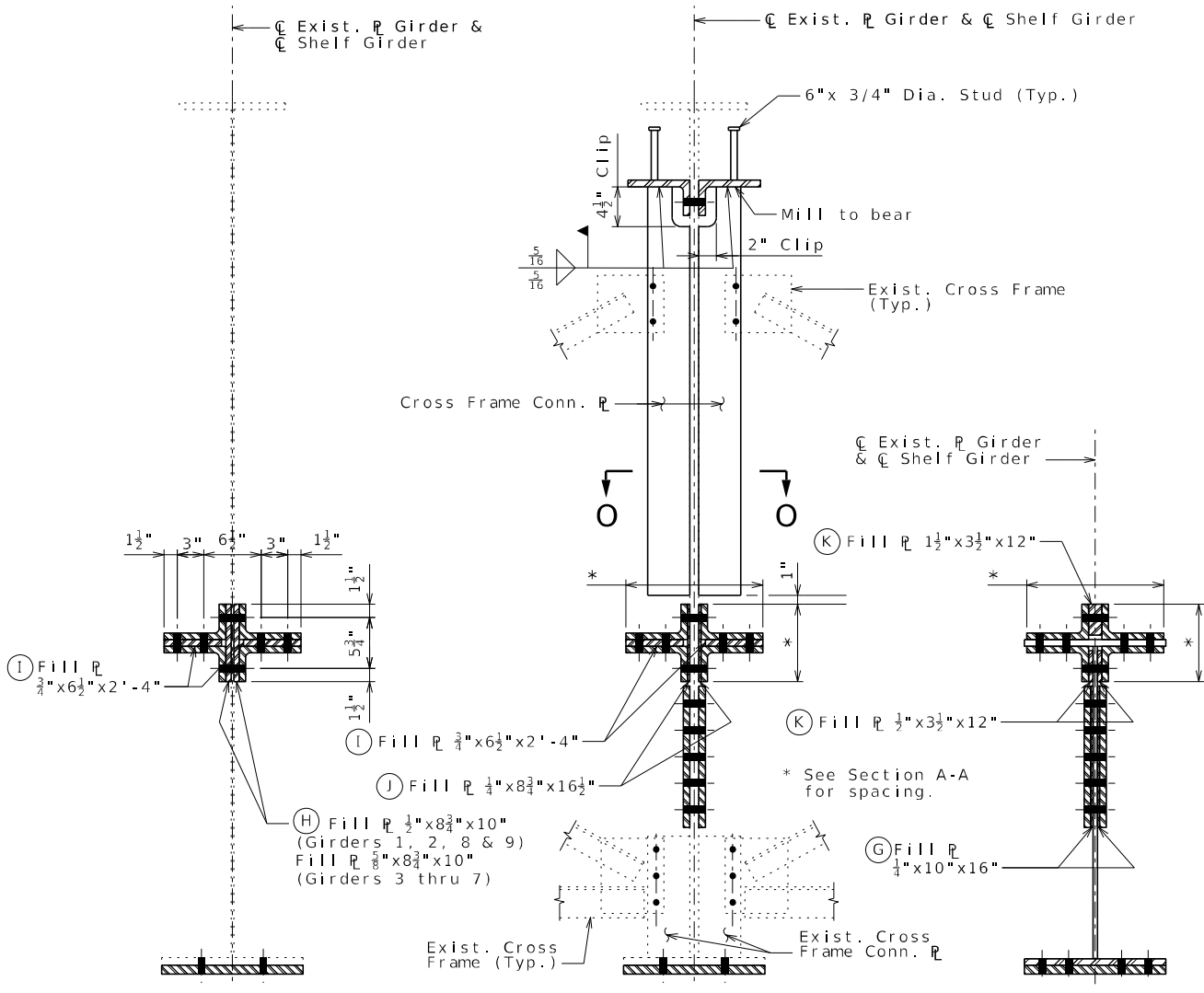
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HINGE MODIFICATION NEAR BENT NO. 15 - DETAIL 1

Note: This drawing is not to scale. Follow dimensions. Sheet No. 11 of 32

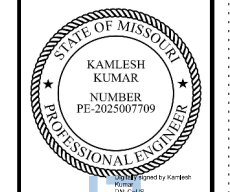


Note: Stop welds $\frac{1}{4}$ " ($\pm \frac{1}{8}$ ") from edges.
 Note: For additional bearing stiffener details, see Sections D-D and E-E.
 Note: Diaphragm on shelf girder shown. Diaphragm on existing girder similar. See Section D-D for additional diaphragm details.
 Notes:
 For notes, see Sheet No. 11.

HINGE MODIFICATION NEAR BENT NO. 15 - DETAIL 2

Note: This drawing is not to scale. Follow dimensions. Sheet No. 12 of 32

Detailed May 2025
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DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 12
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

DESCRIPTION	DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Authority: F01144526





Kamlesh Kumar
Professional Engineer
State of Missouri
License No. PE-2025007709

DATE PREPARED
8/6/2025

ROUTE
I-55 STATE
MO

DISTRICT
BR SHEET NO.
15

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06092

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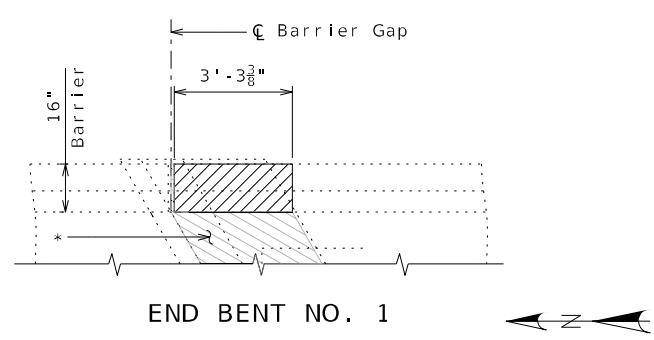
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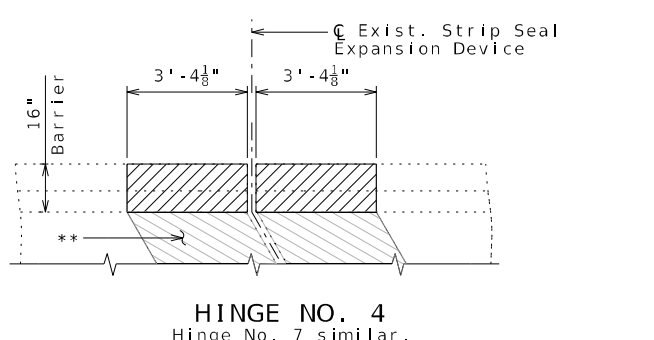
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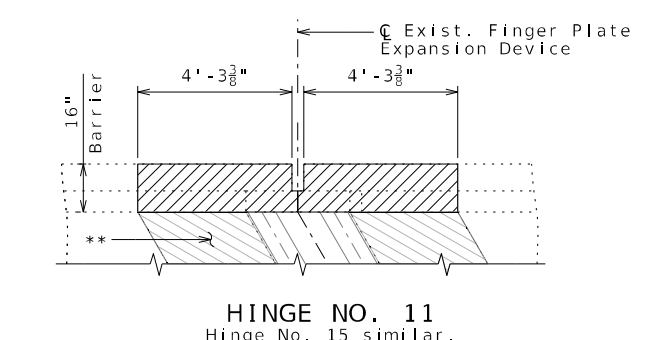
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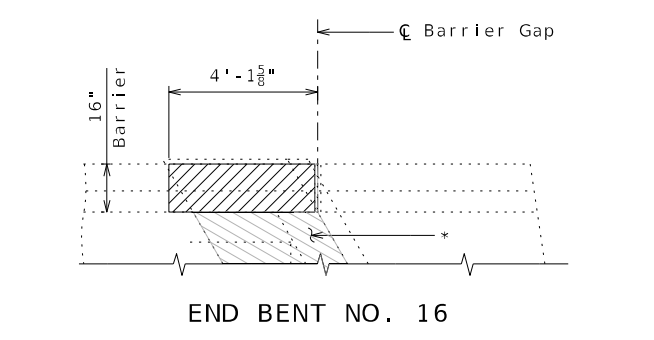
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HINGE NO. 4
Hinge No. 7 similar.

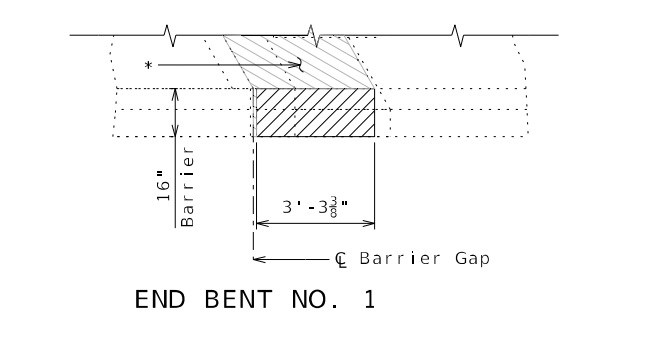


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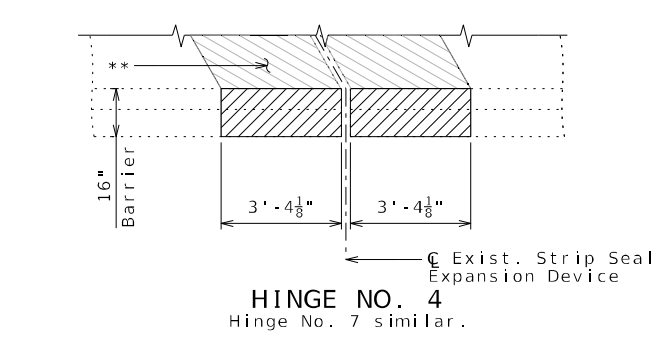


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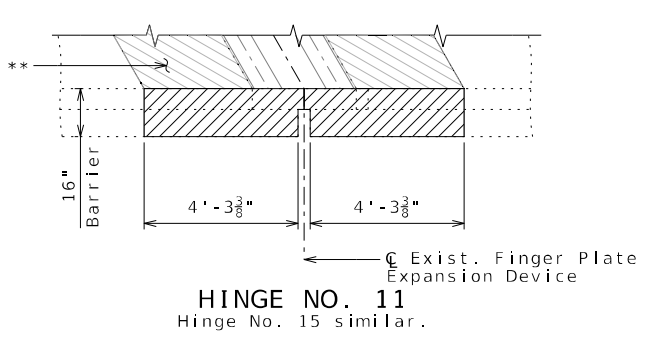
PART PLAN SHOWING STAGE 2 BARRIER REMOVAL



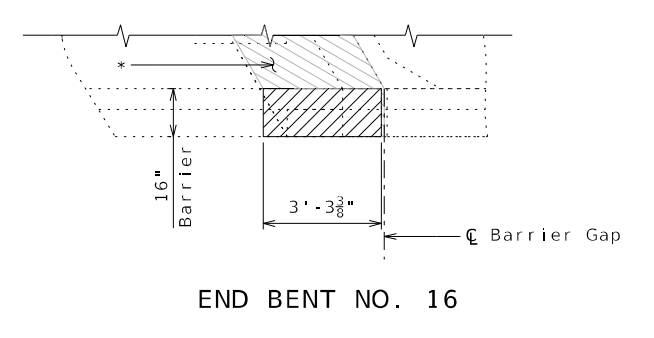
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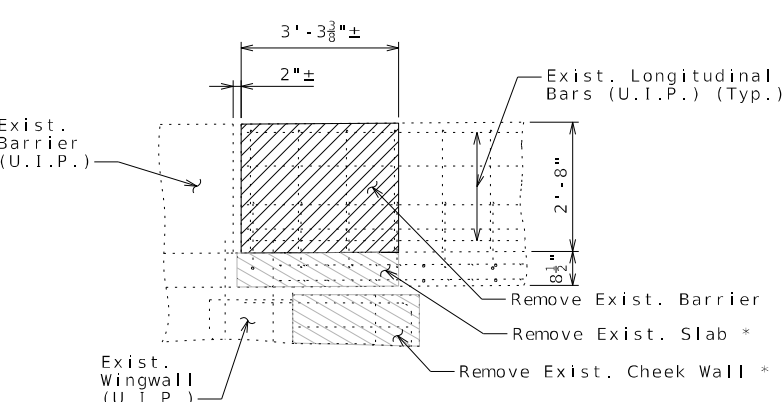


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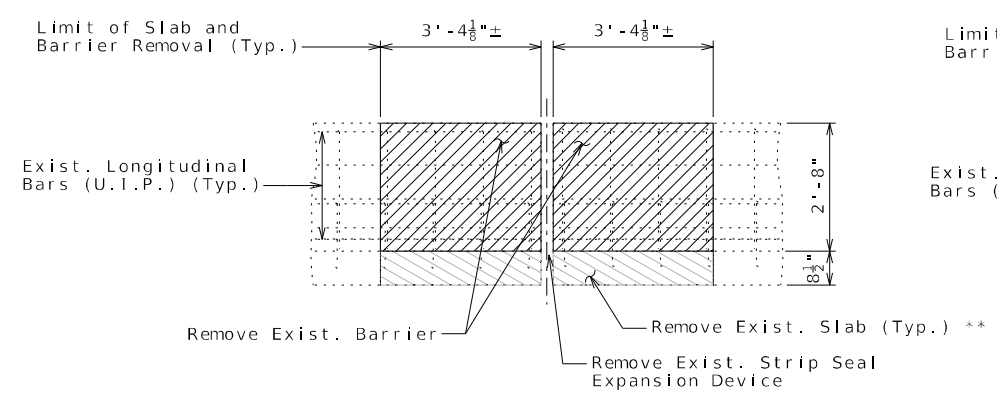


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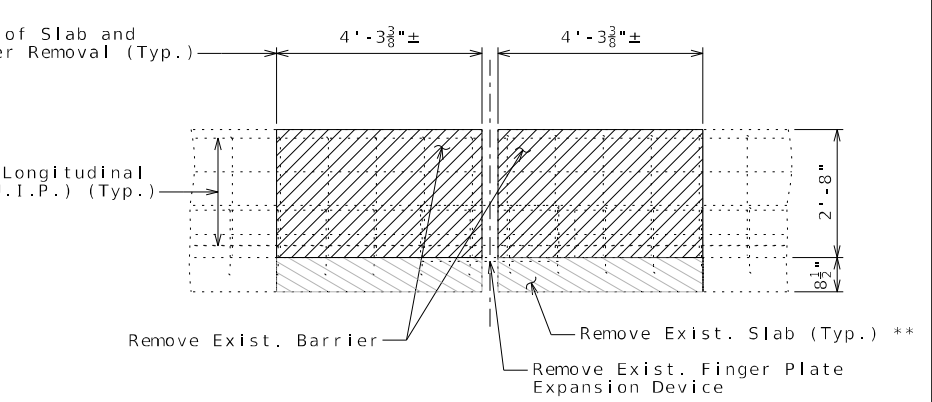
PART PLAN SHOWING STAGE 1 BARRIER REMOVAL



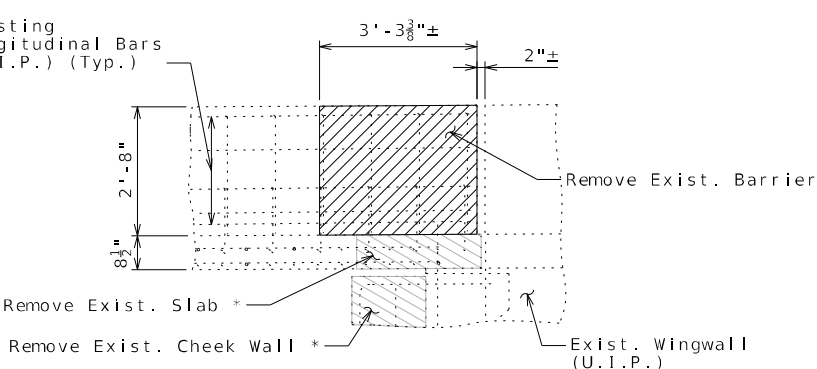
PART ELEVATION OF BARRIER REMOVAL AT BENT NO. 1



PART ELEVATION OF BARRIER REMOVAL AT HINGE NO. 4
Hinge No. 7 similar.



PART ELEVATION OF BARRIER REMOVAL AT HINGE NO. 11
Hinge No. 15 similar.



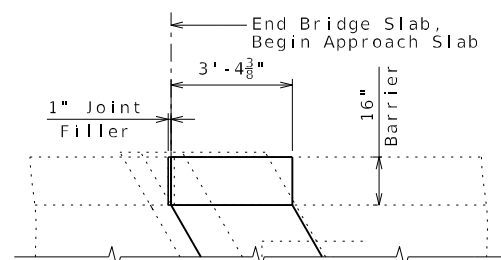
PART ELEVATION OF BARRIER REMOVAL AT BENT NO. 16

Notes:
* Slab or Cheek Wall Removal, See Sheet No. 21 for limits and details.
**Slab Removal, See Sheet No. 17 for limits and details.
For details of barrier replacement, see Sheet 16.
Bars bonded in existing concrete not to be removed shall be stripped clean and embedded in new concrete.
The cost of all labor, materials and equipment for the removal and replacement of existing barrier including reinforcement, and all new concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Remove and Replace Barrier per linear foot.

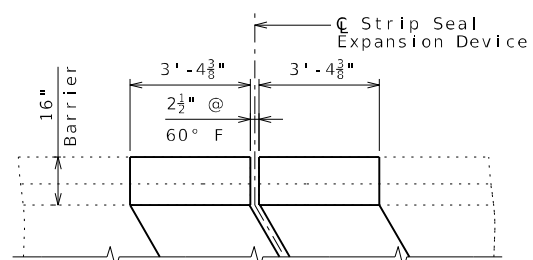
BARRIER REMOVAL

Note: This drawing is not to scale. Follow dimensions. Sheet No. 15 of 32

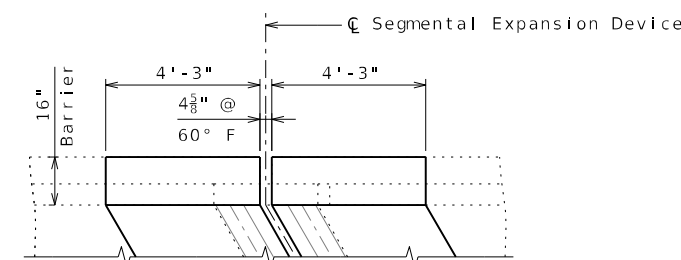
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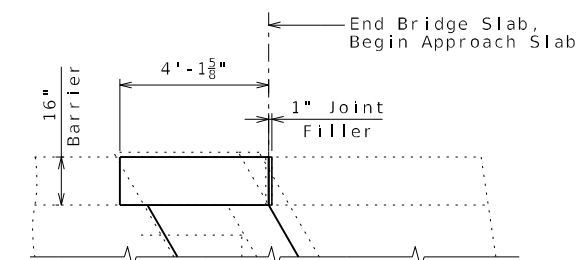
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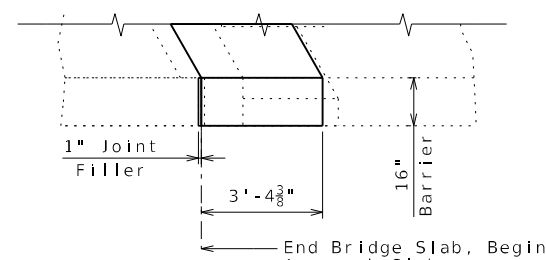
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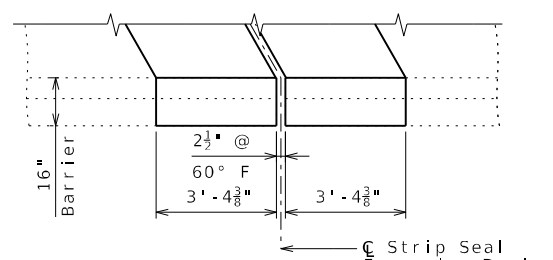
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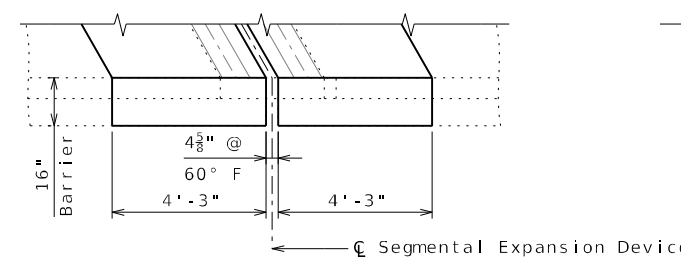
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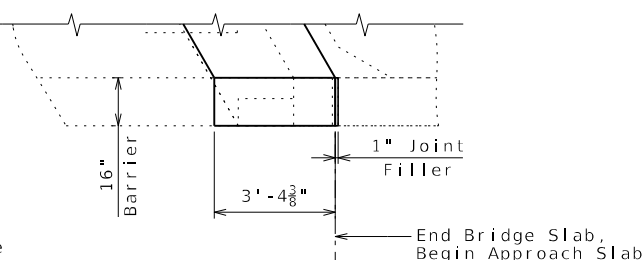
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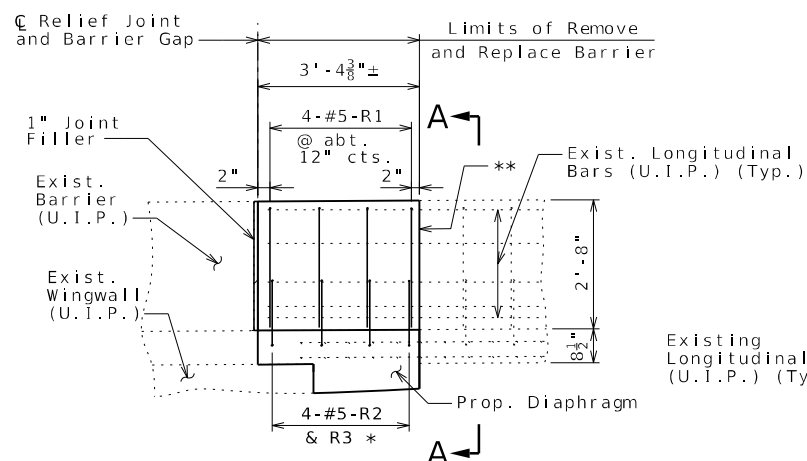


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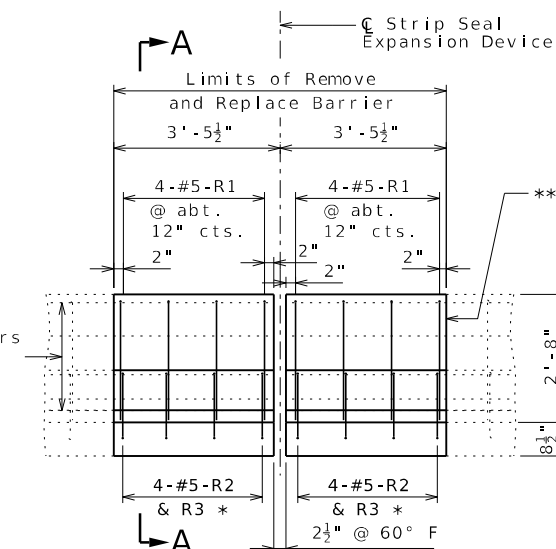


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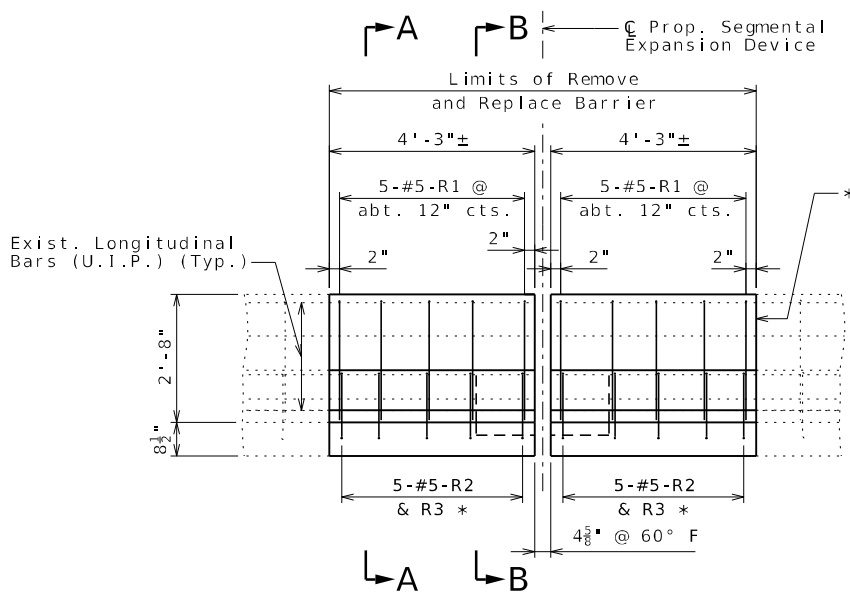
PART PLAN SHOWING STAGE 1 BARRIER REPLACEMENT



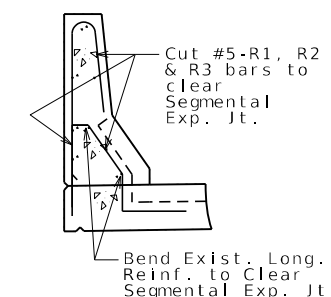
PART ELEVATION SHOWING BARRIER REINFORCEMENT AT BENT NO. 1



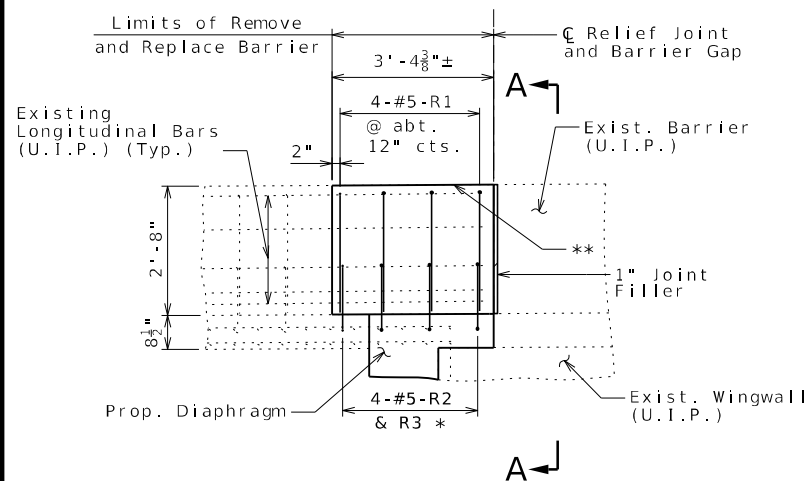
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Hinge No. 7 similar.



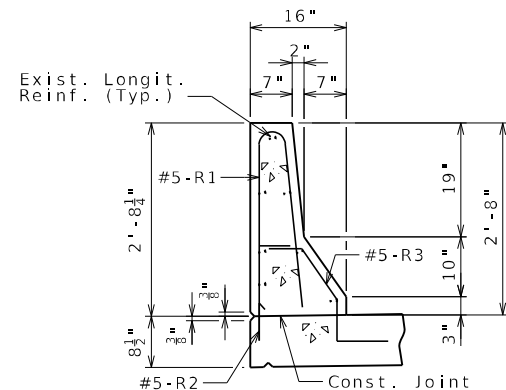
PART ELEVATION SHOWING BARRIER REINFORCEMENT AT HINGE NO. 11
Hinge No. 15 similar.



SECTION B-B



PART ELEVATION SHOWING BARRIER REINFORCEMENT AT BENT NO. 16



DETAIL SHOWING BARRIER CURB REPAIR

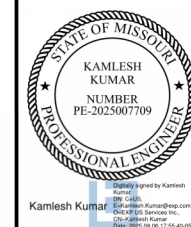
BARRIER REPLACEMENT AND REPAIR

Note: This drawing is not to scale. Follow dimensions. Sheet No. 16 of 32

Notes:

- Top of Barrier (Type B) shall be built parallel to the grade with safety barrier curb joints normal to grade.
- All exposed edges of new Barrier (Type B) shall match existing Barrier (Type B).
- All exposed edges of Barrier (Type B) shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.
- Concrete in Barrier (Type B) shall be Class B-1.
- The cost of all labor, materials and equipment for the removal and replacement of existing barrier curb including reinforcement, and all new concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb per linear foot.
- Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb.

Detailed May 2025
Checked July 2025



DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 16
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

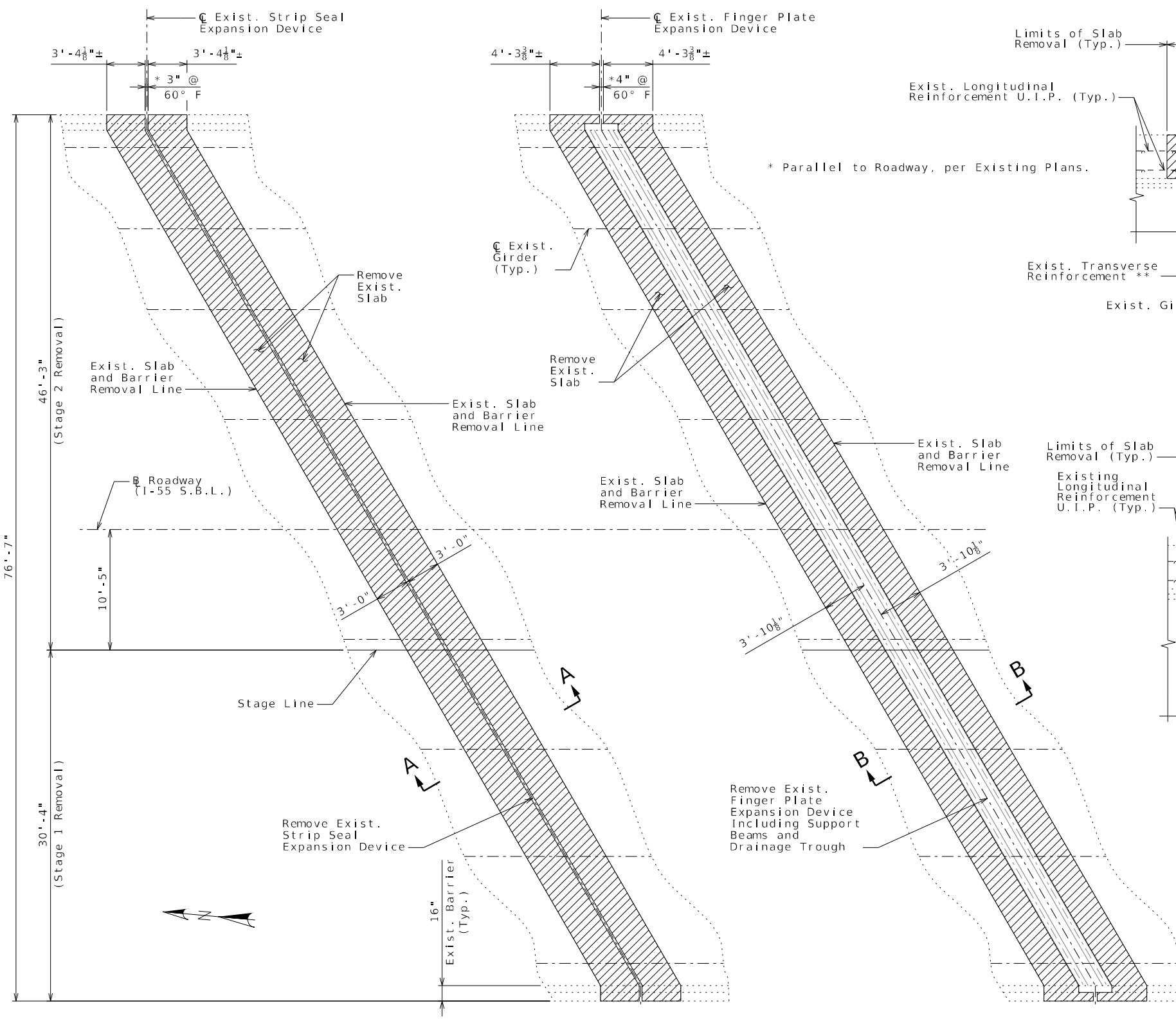
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

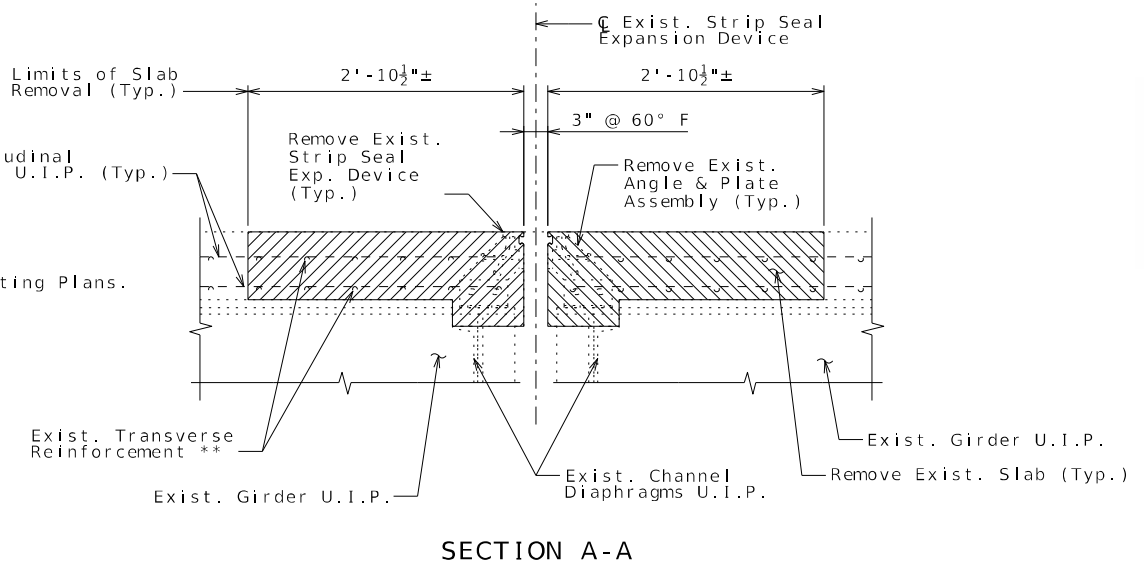
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Authority: F01144526



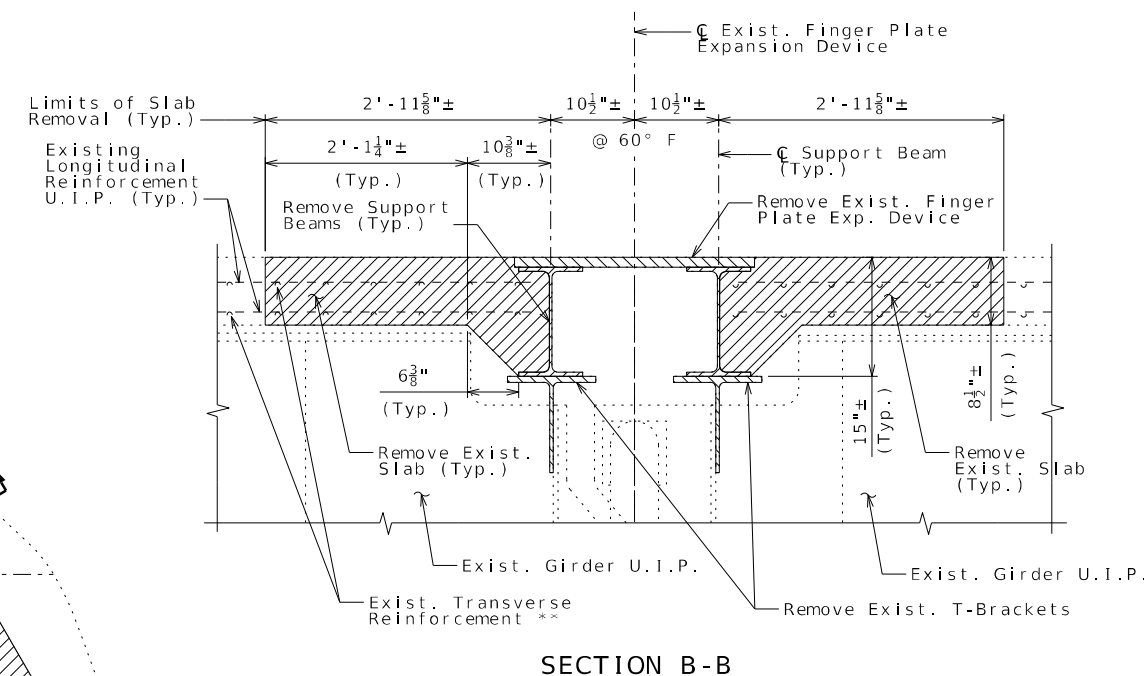


PART PLAN OF SLAB AT HINGE NO. 4
Hinge No. 7 similar

PART PLAN OF SLAB AT HINGE NO. 11
Hinge no. 15 similar
Transverse dimensions are the same as shown for Hinge No. 4.



SECTION A-A



SECTION B-B

** Existing transverse reinforcement shall be used in place. If concrete removal exposes the entire length of the bar, it shall be replaced in kind.

- Notes:
- Bars bonded in existing concrete not to be removed shall be stripped clean and embedded in new concrete.
 - For details of expansion joint replacement, see Sheets No. 18 thru 20.
 - For details of barrier removal, see Sheet No. 15.
 - For details of barrier replacement, see Sheet No. 16.

The cost of all labor, materials and equipment for the removal of existing finger plate expansion devices including drainage troughs and support beams, existing strip seal expansion devices including angle and plate assemblies and concrete slab including reinforcement shall be considered completely covered by the contract unit price for Removal of Existing Expansion Joints and Adjacent Concrete per linear foot.



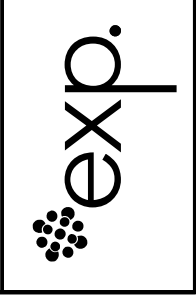
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 17
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

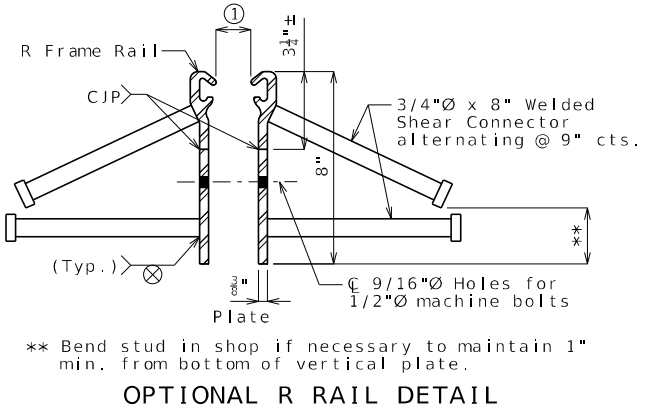
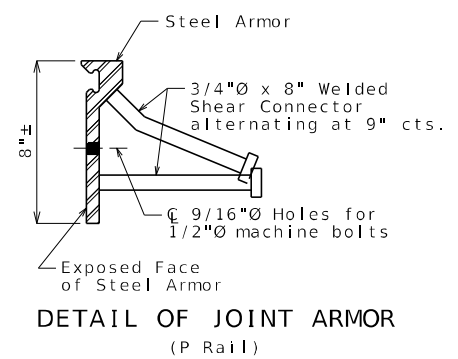
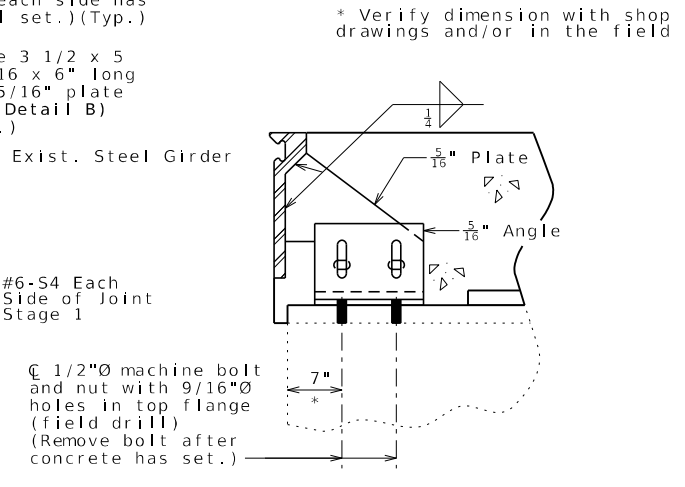
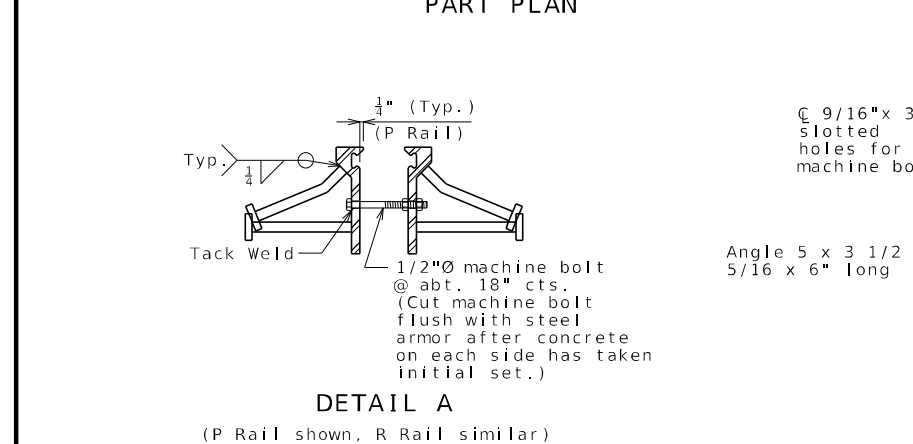
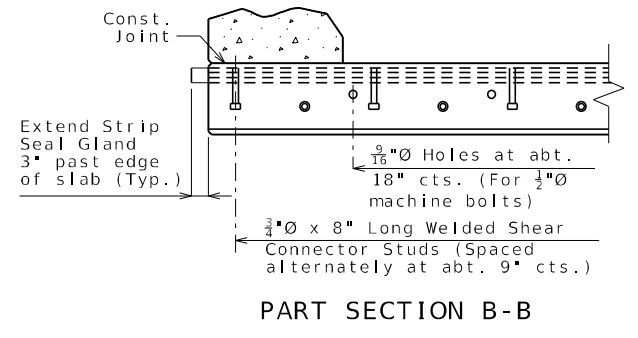
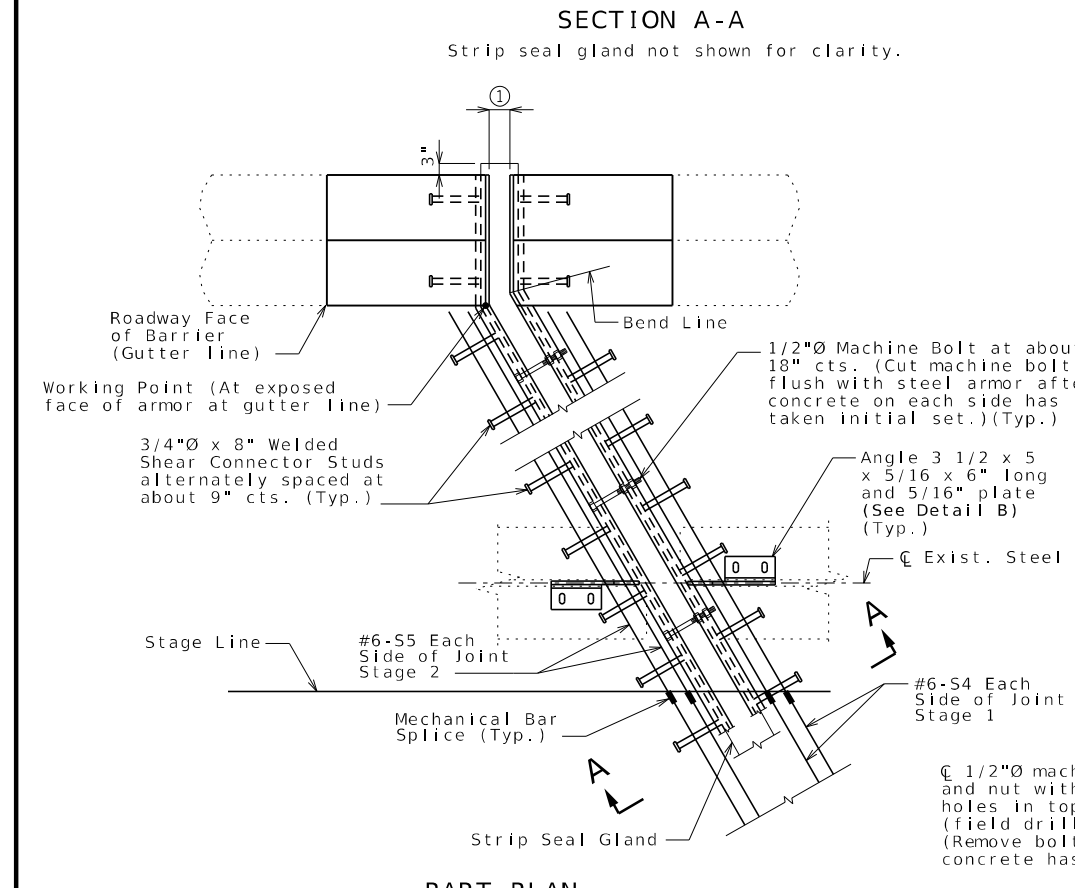
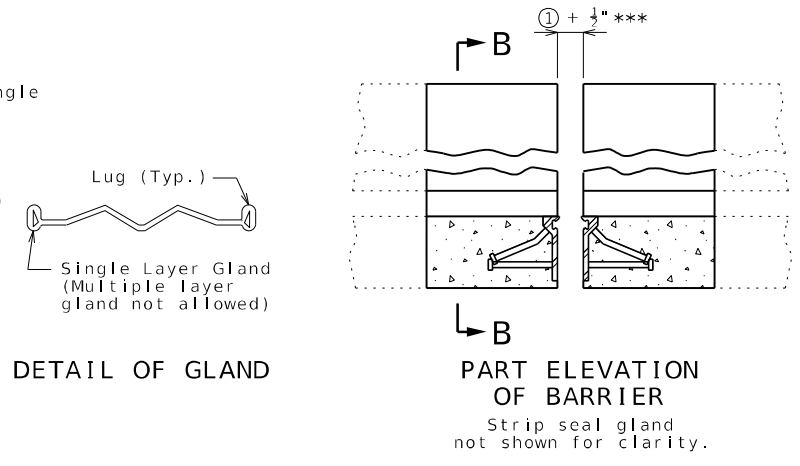
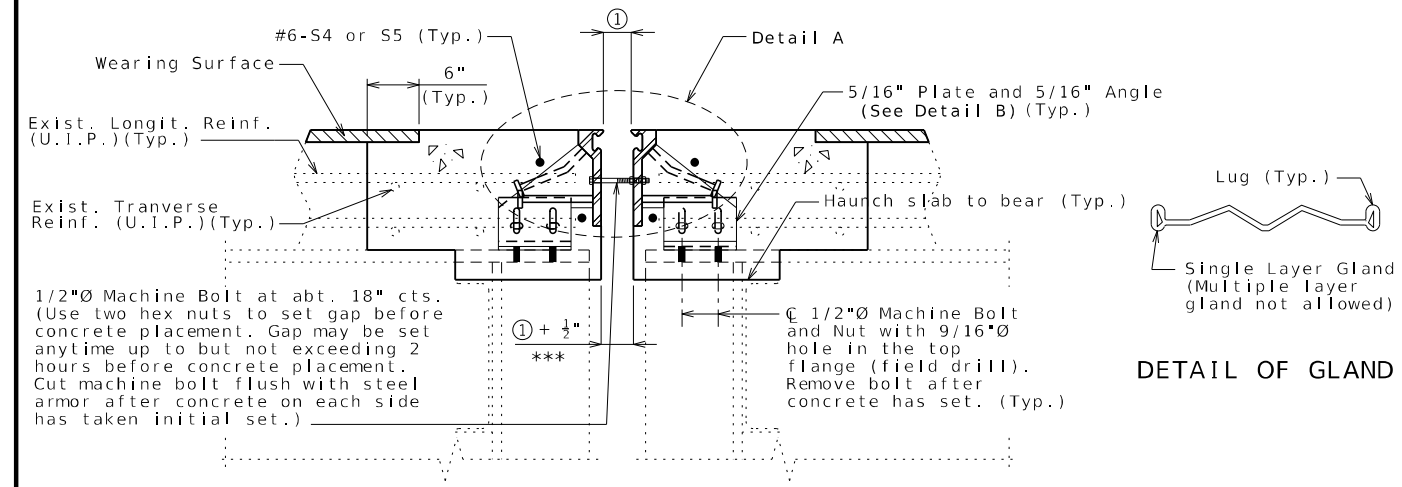
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Missouri Certificate of Authority: F01144526





GENERAL NOTES:

Expansion joint system shall be fabricated in one section, except for staged construction and when the length is over 50 feet. A complete joint penetration groove welded splice shall be required. Welds shall be ground flush to provide a smooth surface. The expansion joint system shall be fabricated and installed to the crown and grade of the roadway.

The strip seal gland shall be installed in joints in one continuous piece without field splices. Factory splicing will be permitted for joints in excess of 53 feet.

Structural steel for the expansion joint system shall be ASTM A709 Grade 36 except the steel armor may be ASTM A709 Grade 50W. Anchors for the expansion joint system shall be in accordance with Sec 1037. Strip seal expansion joint system shall be in accordance with Sec 717.

Structural steel for the expansion joint system shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Concrete shall be forced under and around steel armor and anchors. Proper consolidation of the concrete shall be achieved by localized internal vibration.

② The installation temperature shall be taken as the actual air temperature averaged over the 24-hour period immediately preceding installation.

③ MoDOT Construction personnel will indicate the strip seal expansion joint system installed.

Steel armor may also be referred to as extrusion or rail.

The terms P and R rail are used for identification only, and are not endorsements for any particular manufacturer.

*** Because of variation in armor dimensions, the concrete opening will vary if the optional R rail is used. Dimensions shown are based on the P rail option.

Cost for slab concrete, complete in place, for expansion joint replacement will be considered completely covered by the contract unit price for Class B-2 Concrete.

Manufacturer	Strip Seal System (Designated Name)	Hinge No.	Movement Parallel to RDWY	① Allowed Installation Gap @ Air/Surface Temperature ②						③
				@ 40°F	@ 50°F	@ 60°F	@ 70°F	@ 80°F	@ 90°F	
D S Brown	Strip seal L2-500	4	3 5/8"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1 3/8"	□
		7	2 7/8"	2 1/4"	2 1/4"	2"	1 3/4"	1 1/2"	1 1/2"	□

STRIP SEAL EXPANSION JOINT SYSTEM AT HINGES NO. 4 & 7

Note: This drawing is not to scale. Follow dimensions. Sheet No. 18 of 32



Kamlesh Kumar
Professional Engineer
No. 2025007709

DATE PREPARED
8/6/2025

ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 18

COUNTY
ST LOUIS/JEFFERSON

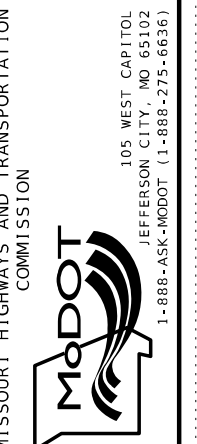
JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

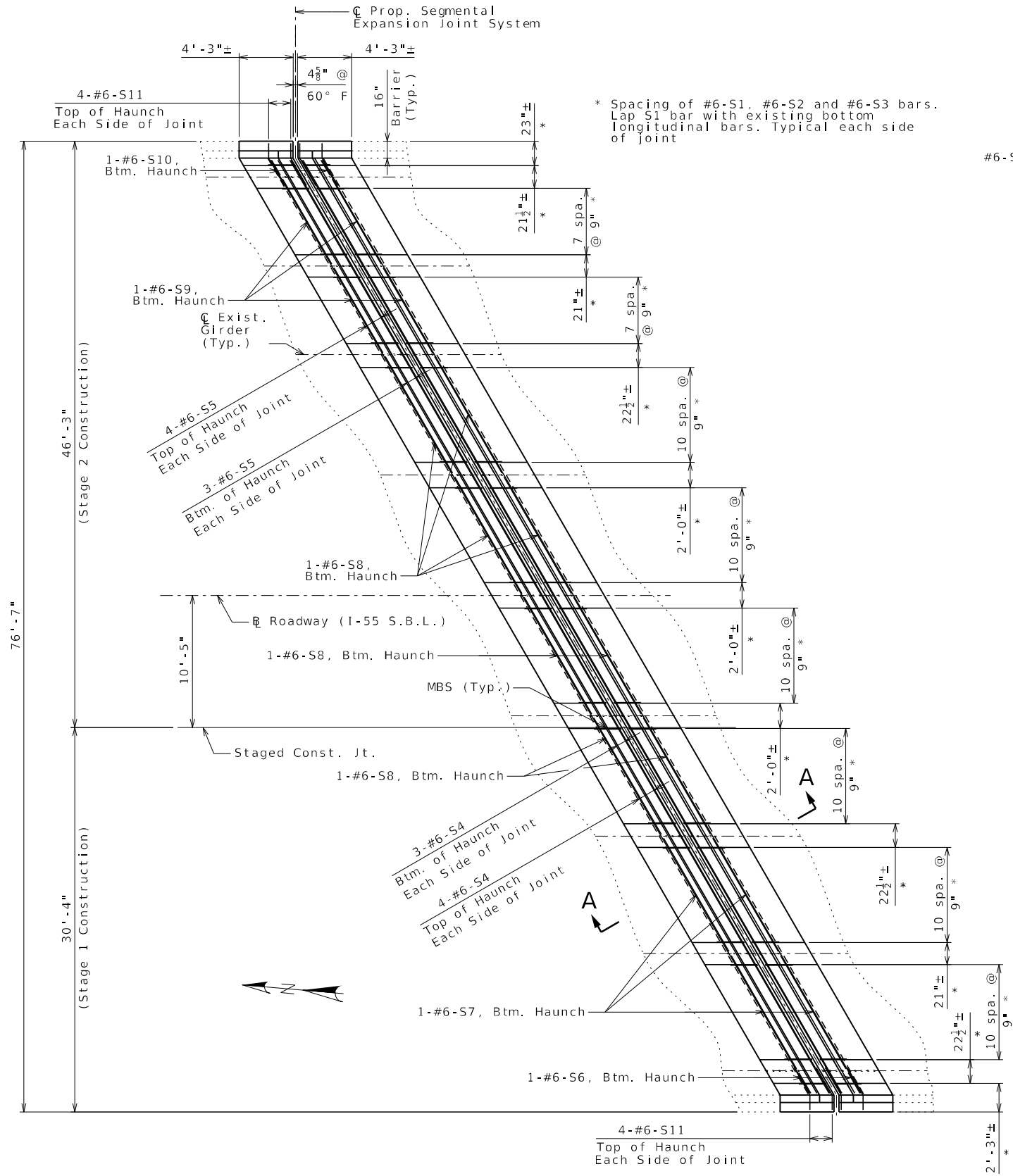
BRIDGE NO.
A06092

DESCRIPTION	DATE

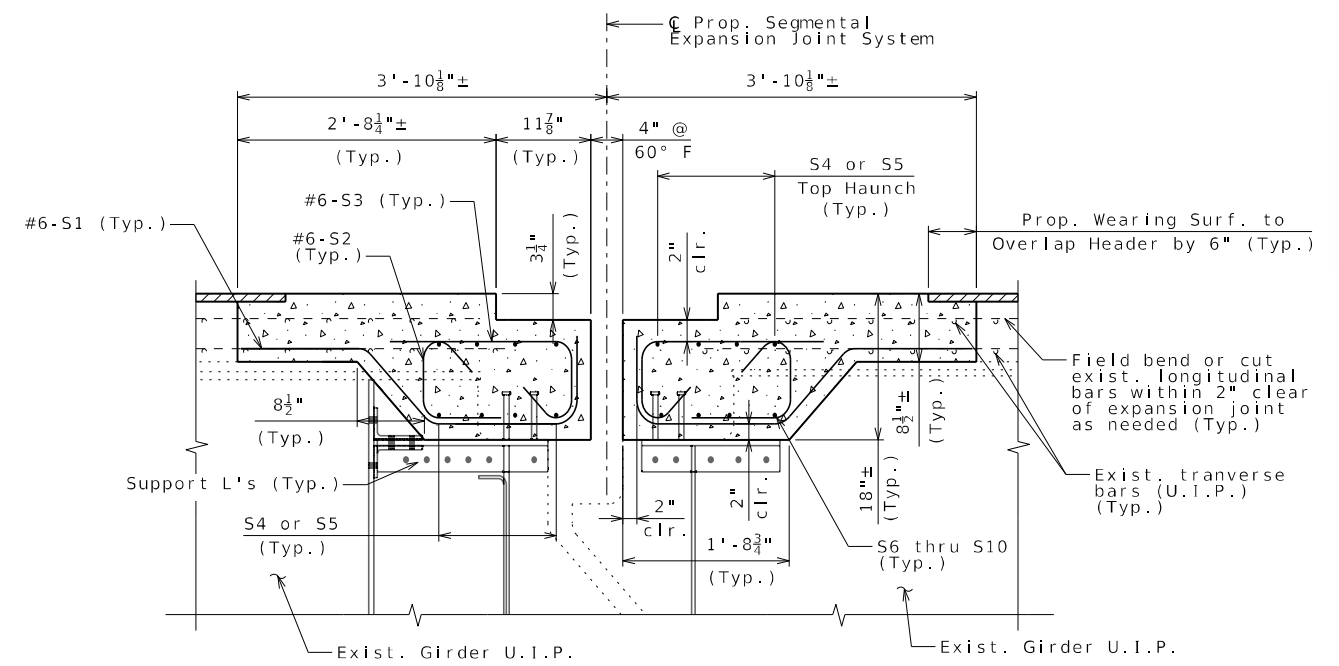


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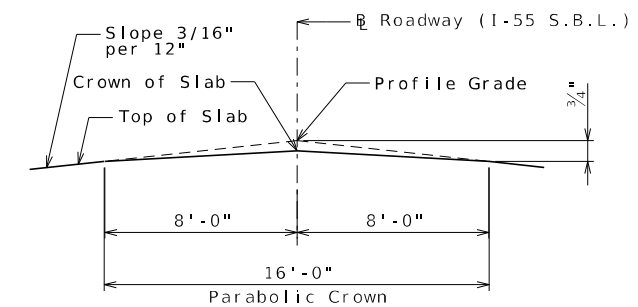




PART PLAN OF SLAB AT HINGE NO. 11
Slab at Hinge No. 15 similar.

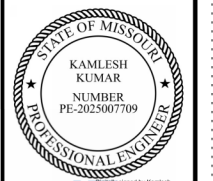


SECTION A-A
Bars S1 thru S3 are parallel to roadway.
See Hinge Modification Sheets for details of support angles.



CROWN DETAIL

- Notes:
- See Sheet No. 20 for Segmental Expansion Joint System Details.
 - Existing reinforcing may be replaced with like and in kind in accordance with Sec 216.
 - Any damage to the existing reinforcing epoxy coating shall be repaired according to Sec 710.
 - Concrete work shall be in accordance with Sec 704.
 - Cost for slab concrete, complete in place, for expansion joint replacement will be considered completely covered by the contract unit price for Class B-2 Concrete.
 - Cost for furnishing and installing reinforcing steel for expansion joint replacement will be considered completely covered by the contract unit price for Reinforcing Steel (Epoxy Coated).
 - MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.



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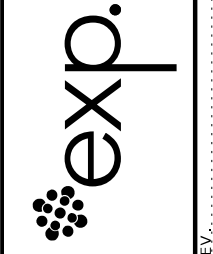
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 19
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

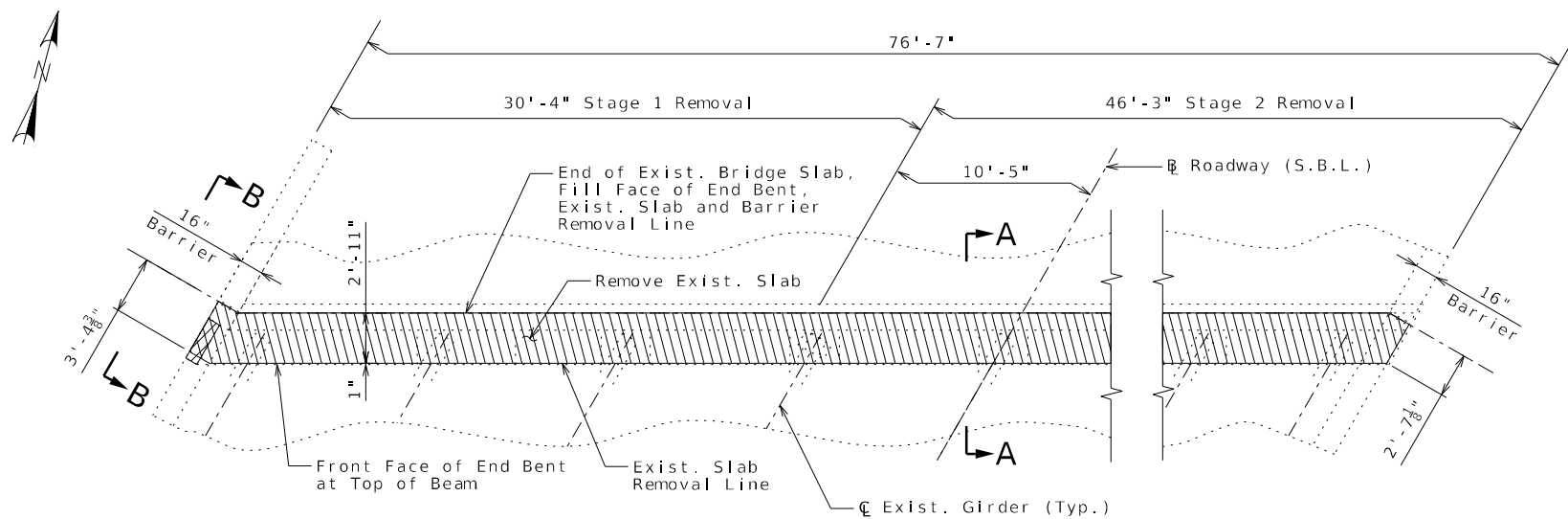
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

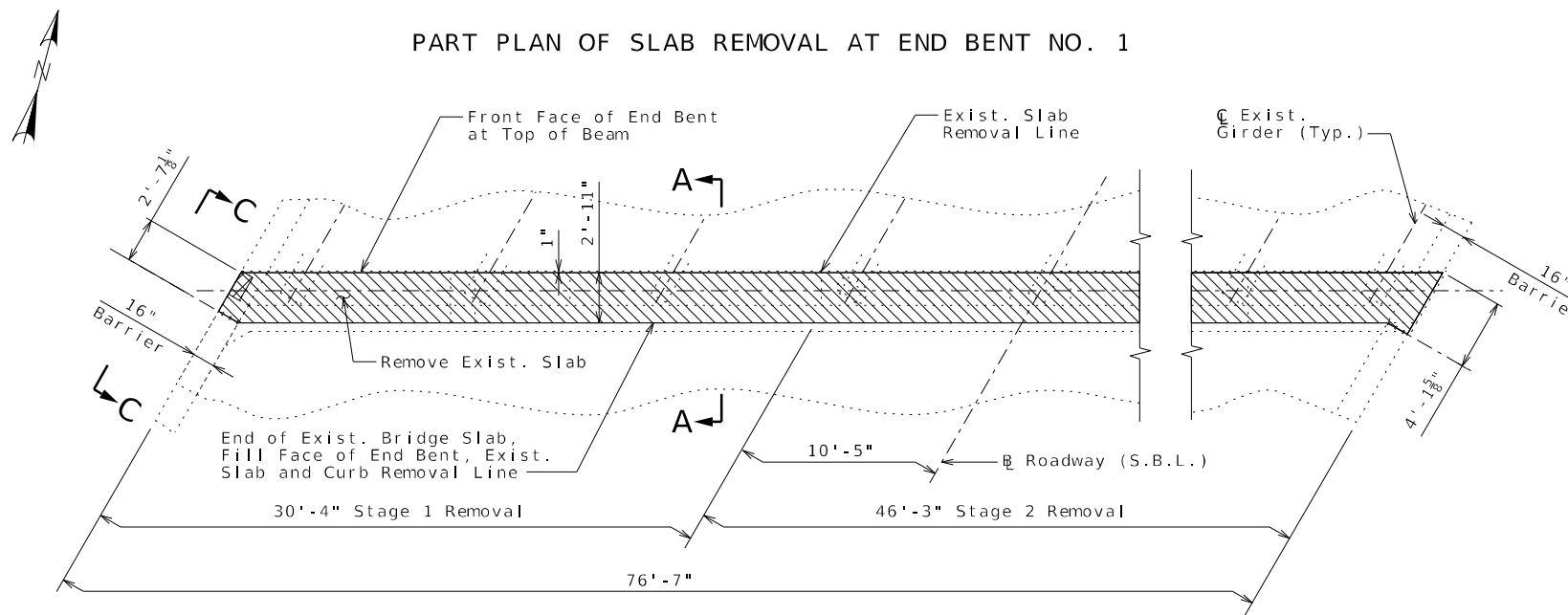
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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600 Washington Ave.
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St. Louis, MO 63101
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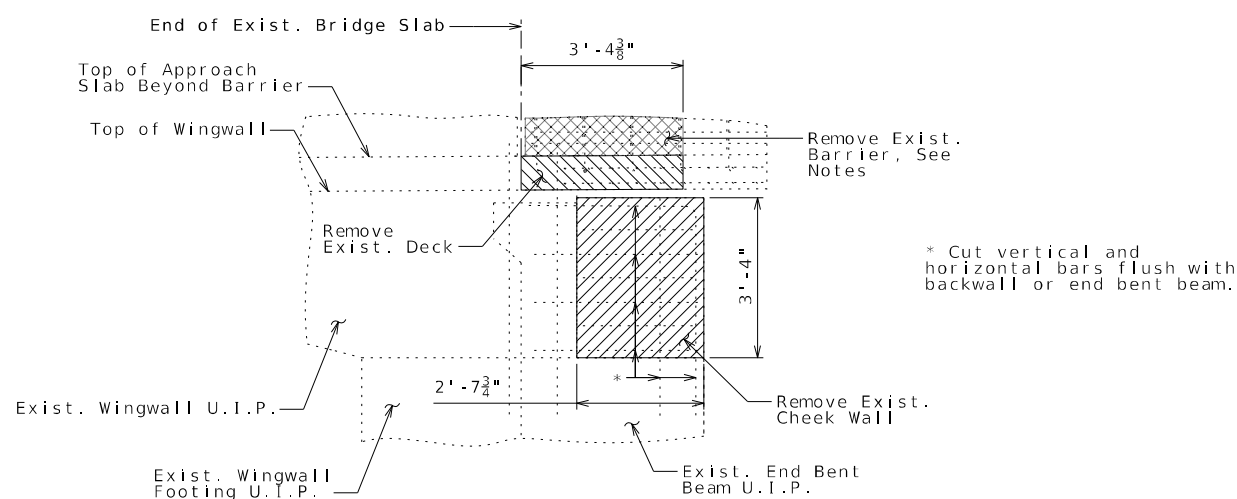




PART PLAN OF SLAB REMOVAL AT END BENT NO. 1



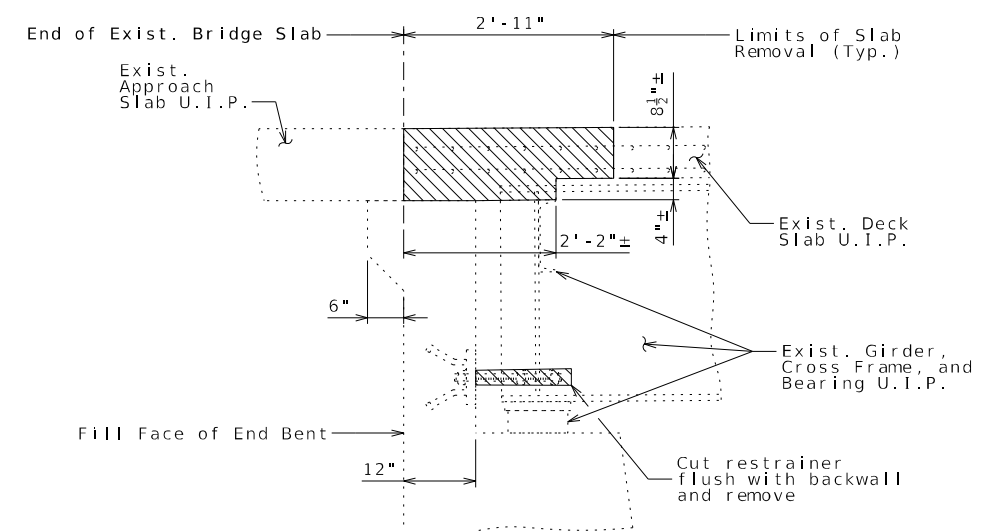
PART PLAN OF SLAB REMOVAL AT END BENT NO. 16



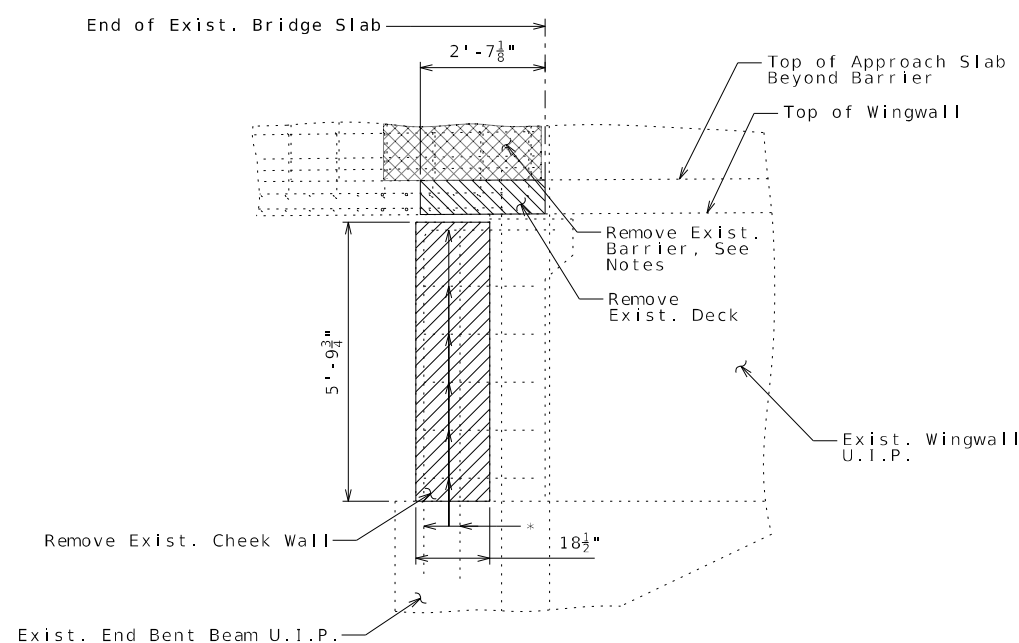
SECTION B-B

Only relevant reinforcement shown for clarity.

* Cut vertical and horizontal bars flush with backwall or end bent beam.



SECTION A-A



SECTION C-C

Only relevant reinforcement shown for clarity.

Notes:

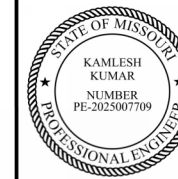
Bars bonded in existing concrete not to be removed shall be stripped clean and embedded in new concrete.

For details of diaphragm construction, see Sheets No. 22 thru 25.

For details of barrier removal, see Sheet No. 15.

For details of barrier replacement, see Sheet No. 16.

The cost of all labor, materials and equipment for the removal of existing concrete slab and cheek wall including reinforcement shall be considered completely covered by the contract unit price for Removal of Existing Expansion Joints and Adjacent Concrete per linear foot.



Kamlesh Kumar
Professional Engineer

DATE PREPARED
8/6/2025

ROUTE
I-55

STATE
MO

DISTRICT
BR

SHEET NO.
21

COUNTY
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JOB NO.
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CONTRACT ID.

PROJECT NO.

BRIDGE NO.
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ROUTE
I-55

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JOB NO.
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DESCRIPTION

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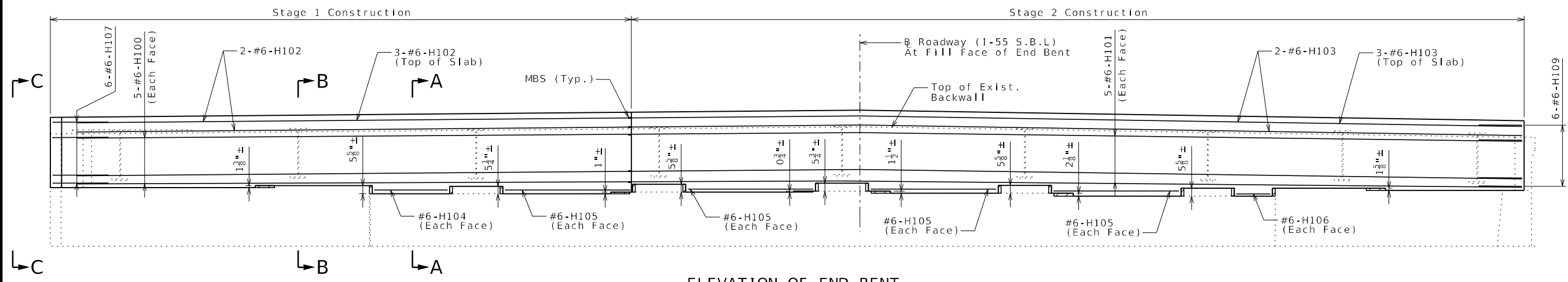
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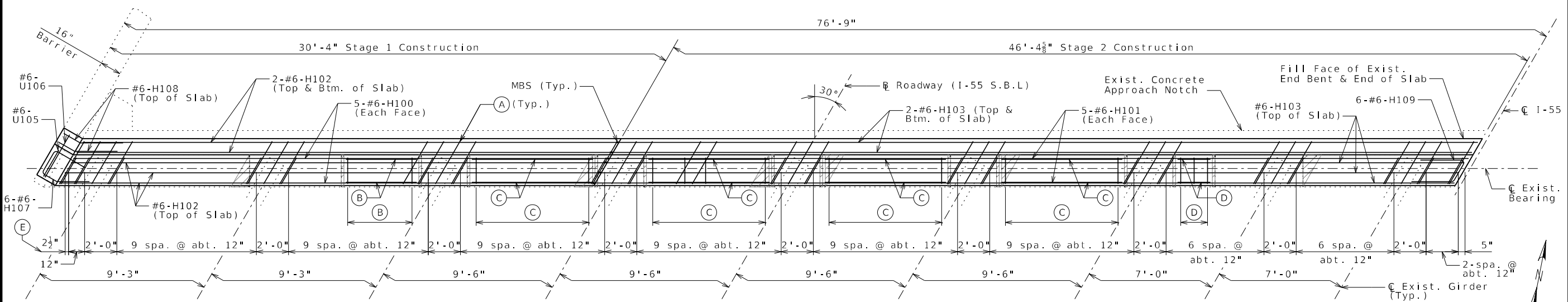
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DATE



ELEVATION OF END BENT

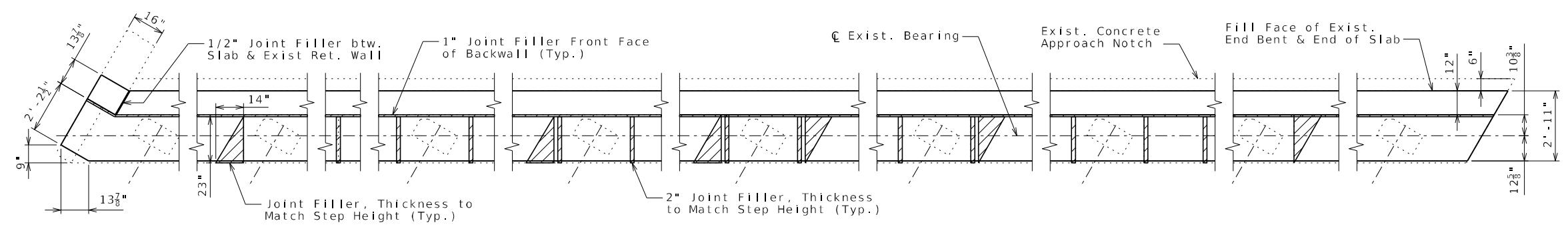
Existing bearings and diaphragms not shown for clarity (U.I.P.).
Diaphragm U-Bars and existing piles not shown for clarity.



PART PLAN SHOWING CONCRETE DIAPHRAGM

Horizontal dimensions measured along \bar{C} bearing.

- (A) 1-#6-U100 & U101, Each Beam (Typ.)
- (B) 1-#6-H104, 5-#6-U104 @ 12" cts.
- (C) 1-#6-H105, 8-#6-U104 @ 12" cts.
- (D) 1-#6-H106, 3-#6-U104 @ 12" cts.
- (E) #6-U101, U102 & U103 spacing



PART PLAN SHOWING ADDITIONAL DIMENSIONS AND JOINT FILLER

END BENT NO. 1 DIAPHRAGM

Note: This drawing is not to scale. Follow dimensions. Sheet No. 22 of 32

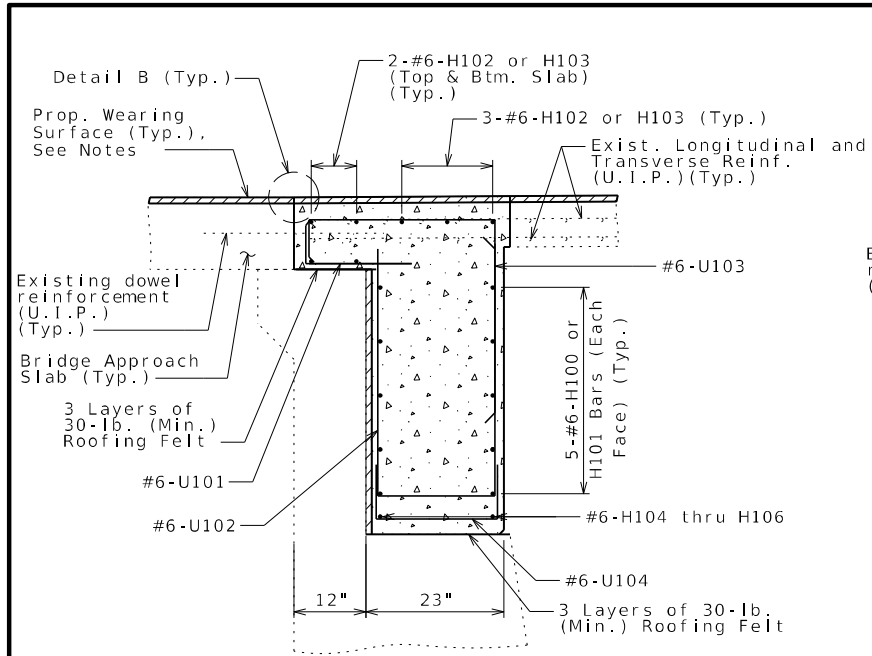
Notes:

- For Sections A-A thru C-C, see Sheet No. 23.
- For details of End Bent No. 1 not shown and additional notes, see Sheet No. 23.
- For details of staged construction, see Sheet No. 5.
- All U Bars in End Bent, except for U104, shall be placed parallel to \bar{C} of Bridge. Bar U104 shall be placed normal to the \bar{C} of bearing.
- Bend H100 and H101 bars in the field as necessary.
- MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

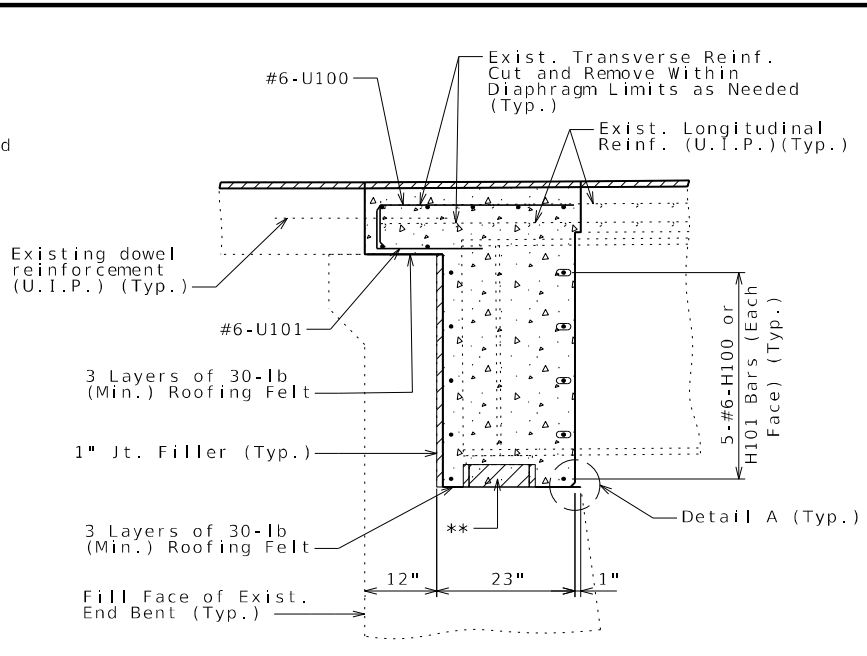
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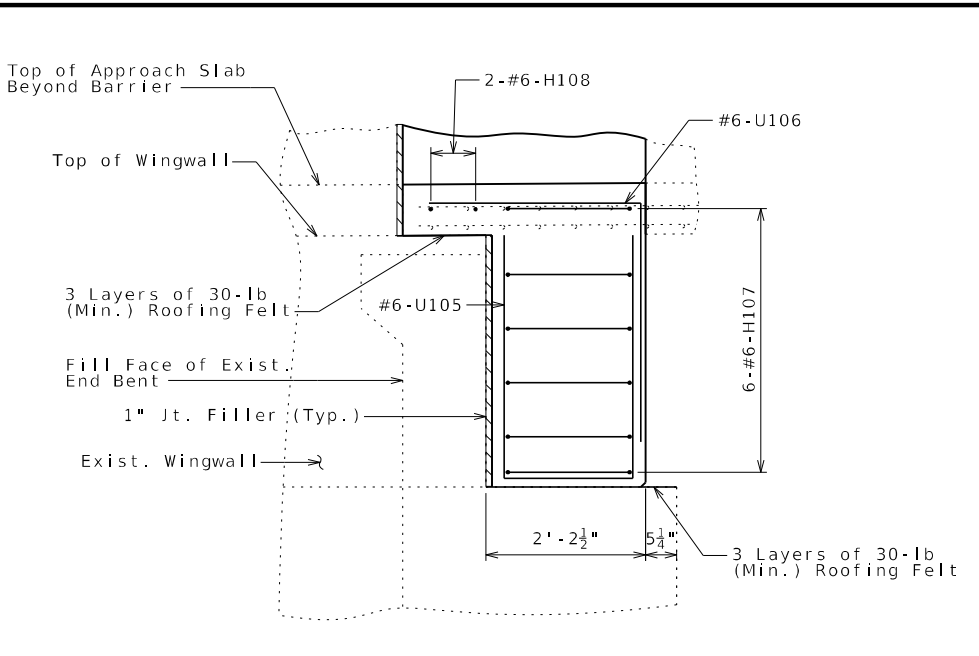


SECTION A-A



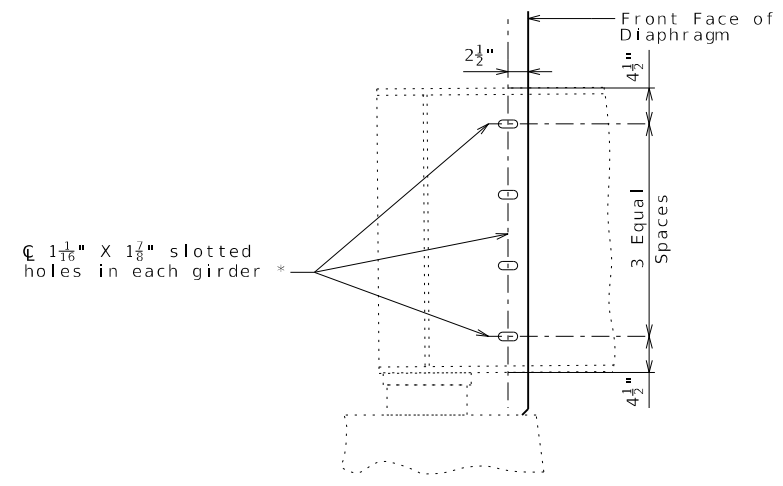
SECTION B-B

Existing steel cross frame not shown for clarity.
 **Cut exist. anchor bolts flush with top of beam cap. Place 1" jt. filler on all 4 vertical faces of the bearing pad.



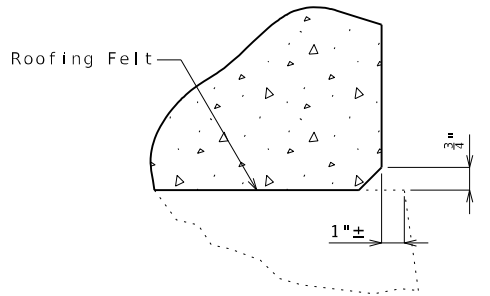
ELEVATION C-C

Existing and proposed barrier reinforcement not shown for clarity.

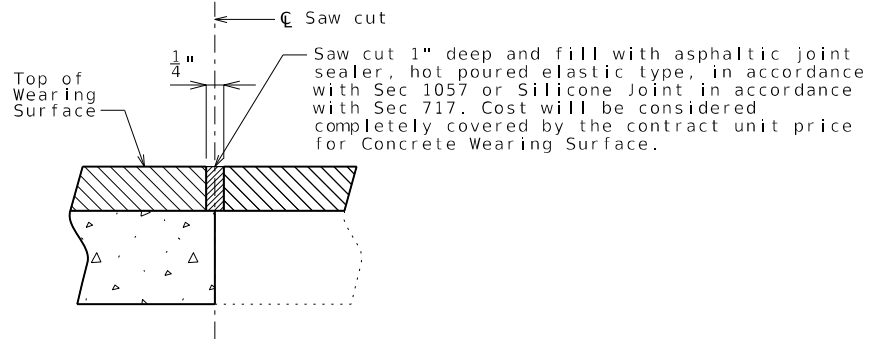


DETAIL OF WEB HOLES

* Cost of field drilling holes in existing webs will be considered completely covered by the contract unit price for Class B-2 Concrete.



DETAIL A

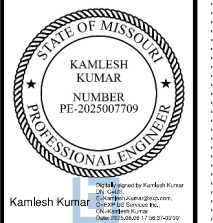


DETAIL B

END BENT NO. 1 DETAILS

Note: This drawing is not to scale. Follow dimensions. Sheet No. 23 of 32

Notes:
 Work this sheet with Sheet No. 22.
 Any epoxy coated #6 Grade 60 reinforcing bar shall be substituted for the 3/4"Ø threaded rod.
 All concrete at end bents is included in the Estimated Quantities for Class B-2 Concrete.
 The exposed and accessible surfaces of the existing structural steel and bearings that will be encased in concrete shall be cleaned with a minimum of SSPC-SP-3 surface preparation and coated with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) in accordance with Sec 1081 to produce a dry film thickness of not less than 3 mils before concrete is poured. The surface preparation and coating for stringers shall extend a minimum of one foot outside the face of the stringer encasement. Payment for cleaning and coating steel to be encased in concrete will be considered completely covered by the contract unit price for Class B-2 Concrete.
 For details and reinforcement of Barrier at End Bents, see Sheet No. 16.
 The H100 and H101 bars are segmented bars for ease of placement of bars through stringer web holes between stringers. The total bar lengths for H101 bars shown in Bill of Reinforcing Steel allow for one splice with a lap splice length of 3'-6". Actual bar segment lengths to be determined by contractor for ease of installing bars. The contractor may use a mechanical bar splice in lieu of a lap splice. When a mechanical bar splice is used, the actual bar segment lengths will be determined by the contractor to accommodate manufacturer's recommendations for installation and ease of construction. The cost of furnishing and installing the bar splices will be considered completely covered by the contract unit price for Class B-2 Concrete. No adjustment of the quantity of reinforcing steel will be allowed for the use of mechanical bar splices.
 See Sheets No. 3 and 4 for wearing surface details. Top of diaphragm shall be poured to final grade prior to scarification and/or surface hydro demolition.
 In Stage 1, the existing conduit attached to the west barrier above the proposed diaphragm shall be detached during construction and reattached after completion of the diaphragm and barrier.



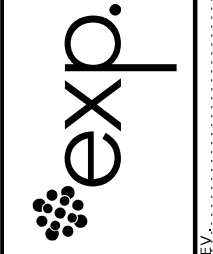
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 23
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
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Kamlesh Kumar
Professional Engineer
Missouri License Number
PE-2025007709

DATE PREPARED
8/6/2025

ROUTE
I-55 STATE
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BRIDGE NO.
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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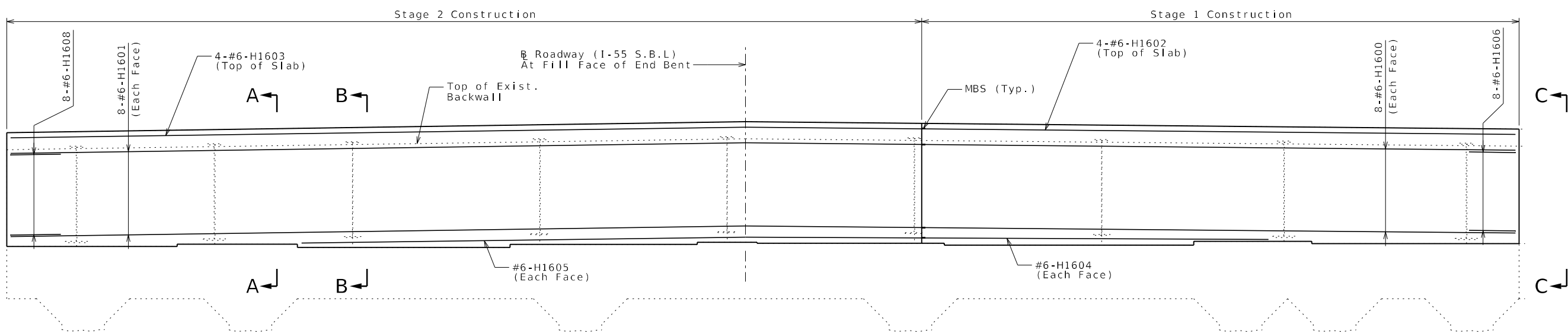
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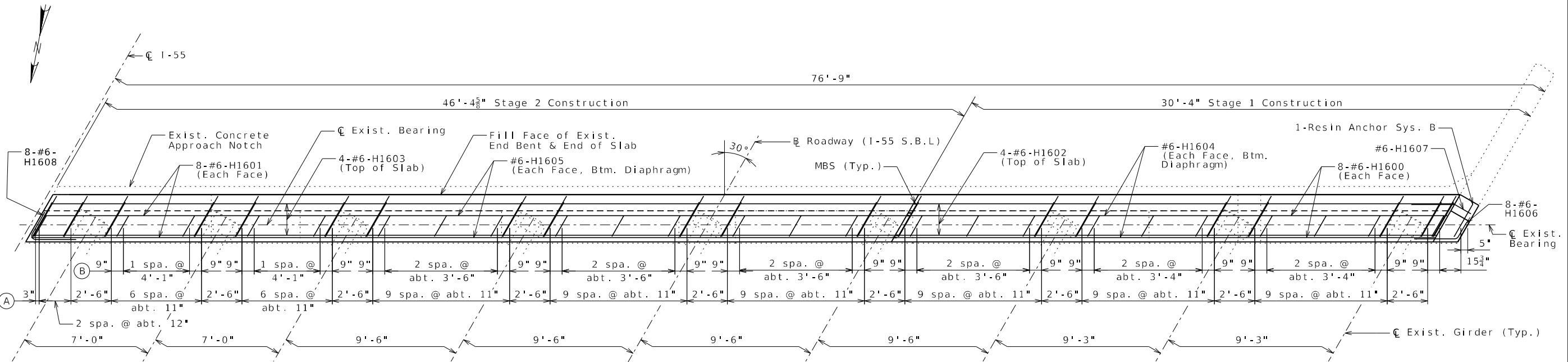
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REV.



ELEVATION OF END BENT

Existing bearings and diaphragms not shown for clarity (U.I.P.).
Diaphragm Resin Anchor System and existing columns not shown for clarity.



- (A) Spacing of Resin Anchor Systems A & B
- (B) Spacing of Resin Anchor Systems C

PART PLAN SHOWING CONCRETE DIAPHRAGM

Horizontal dimensions measured along \bar{C} bearing.

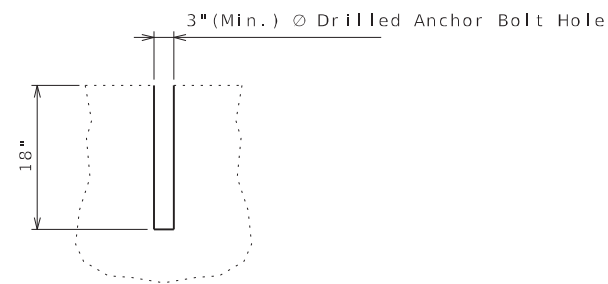
Notes:

- For Sections A-A thru C-C, see Sheet No. 25.
- All Resin Anchor Systems shall be placed parallel to \bar{C} of Bridge.
- For details of End Bent No. 16 not shown, and additional notes, see Sheet No. 25.
- For details of staged construction, see Sheet No. 5.
- Bend H1600 and H1601 bars in the field as necessary.
- MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

END BENT NO. 16 DIAPHRAGM

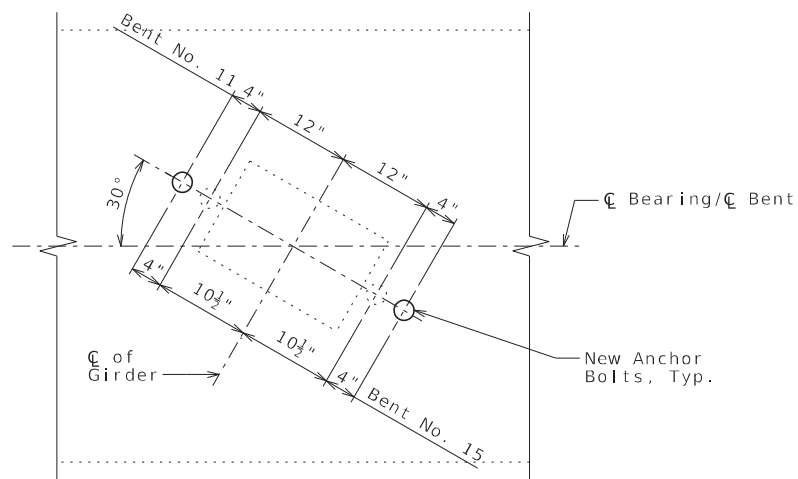
Note: This drawing is not to scale. Follow dimensions. Sheet No. 24 of 32

Detailed May 2025
Checked July 2025

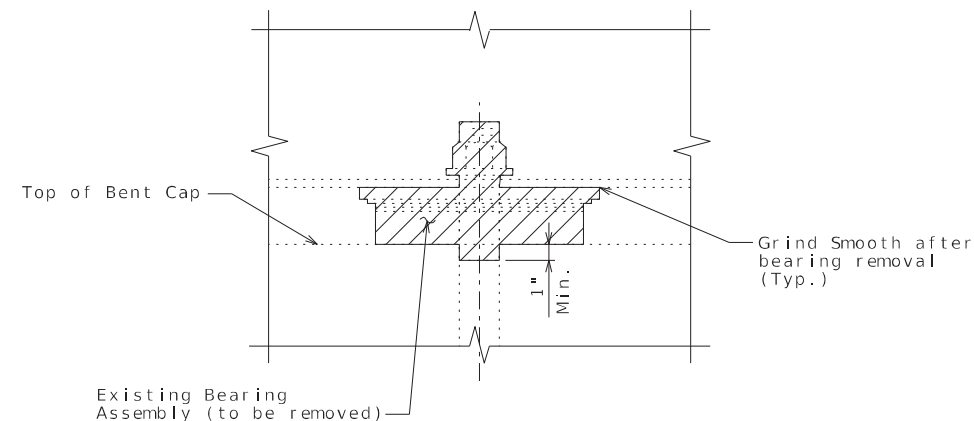


DETAIL OF ANCHOR BOLT HOLE

Note:
When the anchor bolts are set in holes, the holes shall be clean and dry prior to grouting with an expansive mortar in accordance with Sec 1066. Excess mortar forced out of the holes shall be removed.



PART PLAN OF EXIST. INTERMEDIATE BENTS NO. 11 & 15 SHOWING ANCHOR BOLT LAYOUTS



DETAILS OF BEARING REMOVAL INTERMEDIATE BENTS NO. 11 & 15

JACKING LOADS (for Cleaning, Lubricating and Coating Bearing)			
LOCATION	GIRDER NO.	SERVICE DEAD LOAD (KIPS)	SERVICE LIVE LOAD (KIPS)
BENT NO. 2	1	74	78
	2	78	97
	3	83	109
	4 thru 6	86	120
	7	92	119
	8	95	118
BENT NO. 6	1	73	78
	2	77	96
	3	82	108
	4 thru 6	85	119
	7	90	118
	8	94	117
BENT NO. 9	1	88	95
	2	92	118
	3	97	132
	4 thru 6	102	146
	7	106	144
	8	111	143
BENT NO. 13	1	221	165
	2	231	205
	3	229	229
	4 thru 6	239	252
	7	250	250
	8	275	248
9	251	220	

JACKING LOADS (for Removal of Existing Bearings and Hinge Modification)			
LOCATION	GIRDER NO.	SERVICE DEAD LOAD (KIPS)	SERVICE LIVE LOAD (KIPS)
BENT NO. 11	1	94	102
	2	98	126
	3	101	141
	4 thru 6	105	156
	7	111	154
	8	118	153
HINGE NO. 11	1	25	52
	2	26	65
	3	28	72
	4 thru 6	29	80
	7	31	79
	8	32	78
BENT NO. 15	1	113	109
	2	118	134
	3	121	150
	4 thru 6	126	166
	7	133	164
	8	142	163
HINGE NO. 15	1	43	59
	2	46	73
	3	47	81
	4 thru 6	49	90
	7	52	89
	8	55	88
9	50	78	

BEARING REMOVAL

Note: This drawing is not to scale. Follow dimensions.

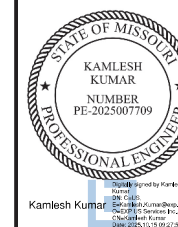
Sheet No. 27 of 32

GENERAL NOTES:

Existing anchor bolts shall be removed to 1" below concrete surface and the resultant hole shall be filled with qualified mortar in accordance with Sec 704, or removed completely if required.

Payment for drilling and grouting new anchor bolts will be considered completely covered by the contract unit price for Type N PTFE Bearings.

The temporary support shall be capable of safely supporting the service dead load and service live load per girder. Factor of Safety and construction loading are not included in these loads. Dead load includes the beams, slab, & barriers.



DATE PREPARED
10/14/2025
ROUTE
I-55
STATE
MO
DISTRICT
BR
SHEET NO.
27
COUNTY
ST LOUIS / JEFFERSON
JOB NO.
J613290
CONTRACT ID.

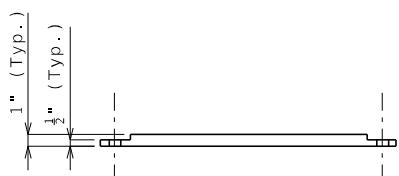
PROJECT NO.
BRIDGE NO.
A06092

DESCRIPTION	DATE

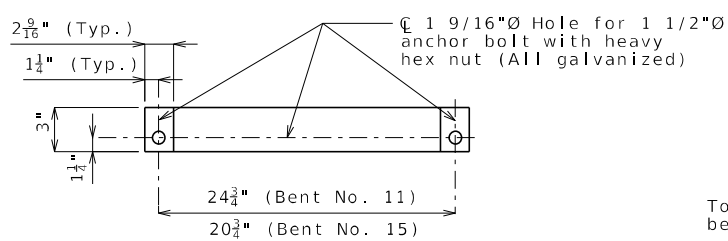
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
600 Washington Ave.
Suite 1700
St. Louis, MO 63101
t: +1-618-406-2385
Missouri Certificate of Authority: F01144526

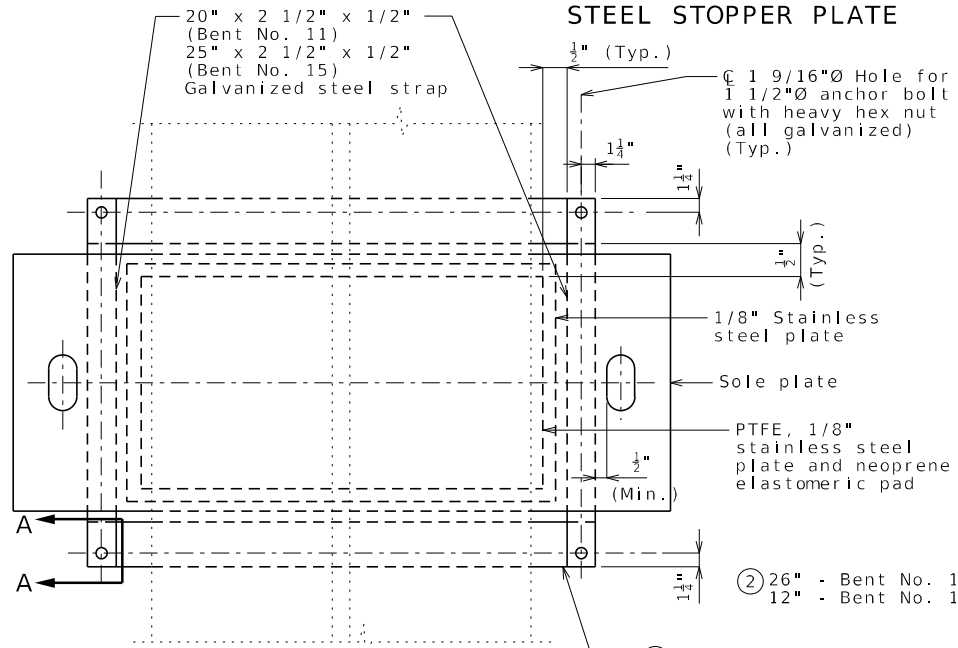




ELEVATION OF GALVANIZED STEEL STOPPER PLATE



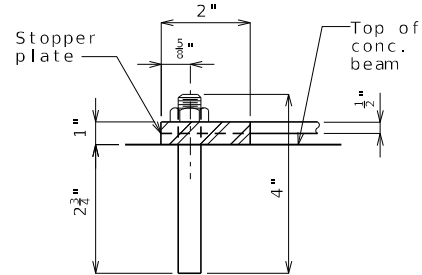
PLAN OF GALVANIZED STEEL STOPPER PLATE



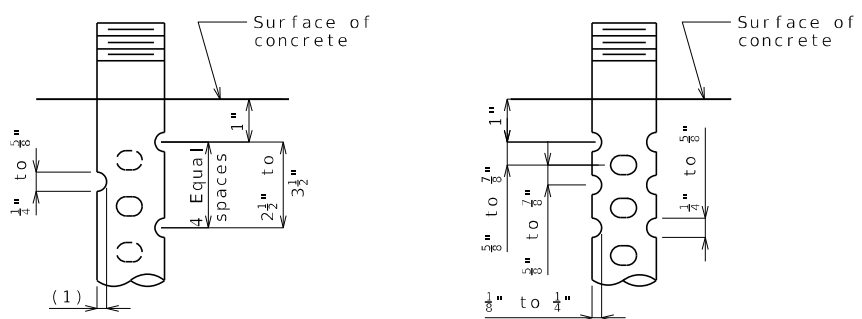
PART PLAN SHOWING STOPPER PLATE

Payment for fabricating and installing the stopper plates and straps will be considered completely covered by the contract unit price for Type N PTFE Bearing.

The bottom face of the 1/8" stainless steel plate that is welded to the sole plate shall be lubricated with a lubricant that is approved by the bearing manufacturer.

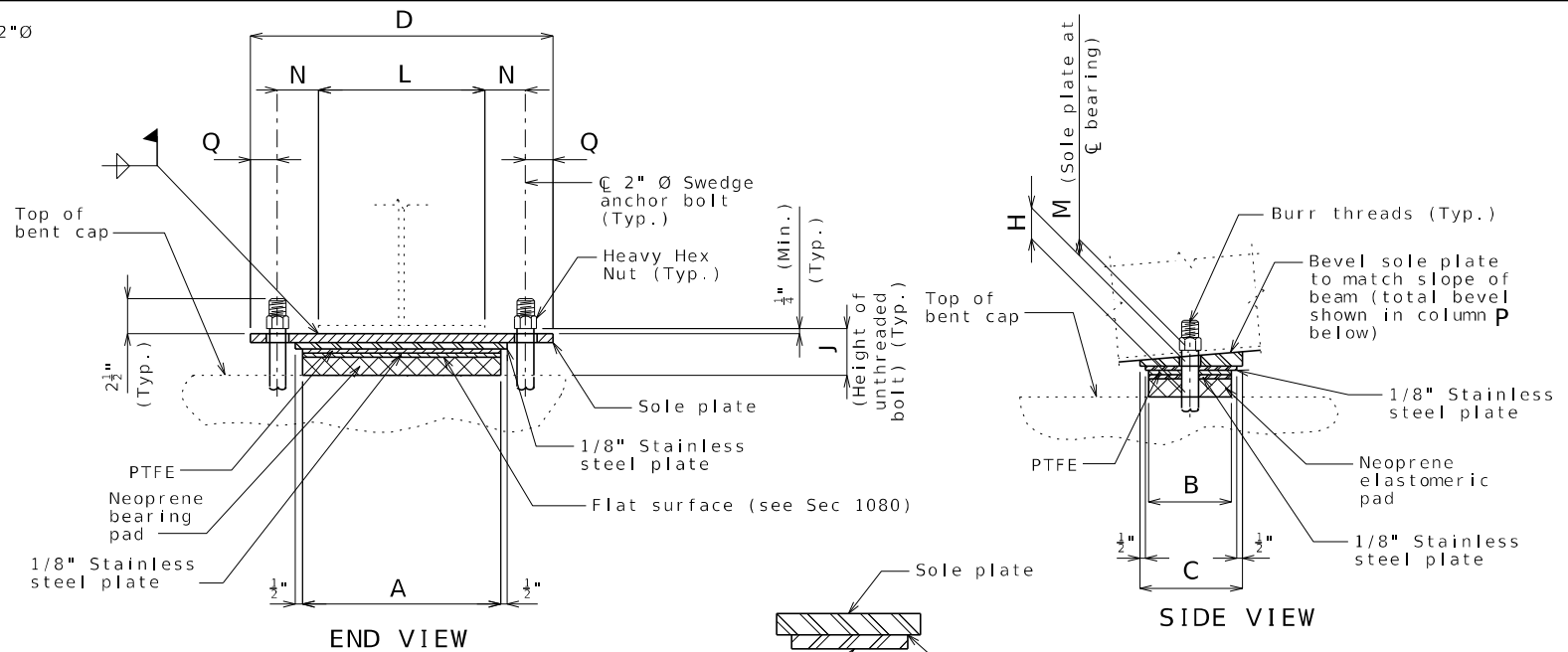


SECTION A-A



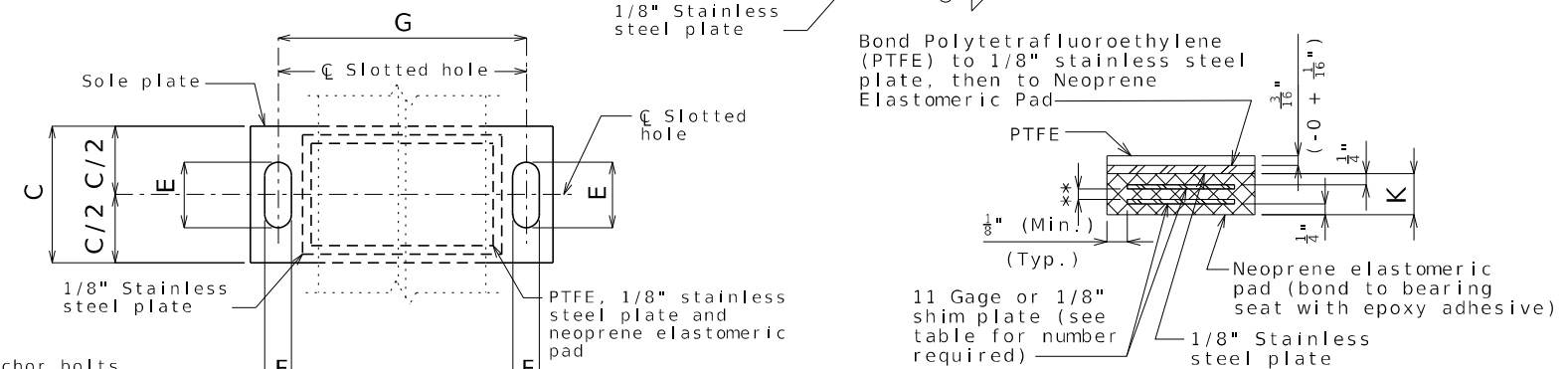
DETAIL FOR 3/4"Ø THRU 2 1/2"Ø ANCHOR BOLTS
OPTIONAL DETAIL FOR 1 3/8"Ø THRU 2 1/2"Ø ANCHOR BOLTS

SWEDGE ANCHOR BOLT DETAILS



END VIEW

SIDE VIEW



PART PLAN

NEOPRENE ELASTOMERIC PAD

** Intermediate layers of 1/2" elastomeric pad alternating with 11 gage or 1/8" shim plate.

GENERAL NOTES:

Design coefficient of friction equals 4%.

Anchor bolts shall be 2" Ø ASTM F1554 Grade 55 swaged bolts and shall extend 18" into the concrete with ASTM A563 Grade A Heavy Hex nuts. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided. Swedging shall be 1" less than extension into the concrete. See Sheet No. 27 for details of Anchor Bolt Holes.

Anchor bolts shall be at the centerline of slotted hole at 60°F. Bearing position shall be adjusted R for each 10° fall or rise in temperature at installation.

Anchor bolts and heavy hex nuts shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.

Neoprene Elastomeric Pads shall be 70 Durometer.

Structural steel for sole plate shall be ASTM A709 Grade 36 and shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum. The stainless steel plate shall be protected from any coating.

Type N PTFE Bearings shall be in accordance with Sec 716.

PTFE surface shall be fabricated as a single piece. Splicing will not be permitted.

The PTFE surface shall be dimpled.

The depth of the dimples shall be at least 0.08 inch but less than one-half the PTFE thickness and the diameter shall be no more than 0.32 inch. Dimples shall be uniformly distributed and cover greater than 20% but less than 30% of the entire PTFE surface area. Dimples shall not be placed to intersect the edge of the PTFE surface.

Dimpled PTFE surfaces shall be lubricated with silicone grease meeting the Society of Automotive Engineers Specification SAE-AS8660.

PTFE SLIDING BEARINGS																	NUMBER OF SHIM PLATES *	NUMBER REQUIRED	
BENT NO.	GIRDER NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q			R
11	1, 2, 4, 5, 6, 8, & 9	20"	13"	17"	38"	5 3/4"	2 1/4"	32"	1 1/8"	3 1/8"	1 1/4"	16"	1 7/8"	8"	-	3"	3 1/16"	2	14
11	3 & 7	20"	13"	17"	38"	5 3/4"	2 1/4"	32"	1 1/8"	3 1/8"	1 1/4"	15"	1 7/8"	8 1/2"	-	3"	3 1/16"	2	4
15	1, 2, 4, 5, 6, 8, & 9	16"	18"	22"	35"	5 3/4"	2 1/4"	29"	2 1/8"	5 1/16"	2 1/2"	16"	1 7/8"	6 1/2"	-	3"	3 1/16"	4	14
15	3 & 7	16"	18"	22"	35"	5 3/4"	2 1/4"	29"	2 1/8"	5 1/16"	2 1/2"	15"	1 7/8"	7"	-	3"	3 1/16"	4	4
																	TOTAL BEARINGS	36	

* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.

TYPE N PTFE BEARINGS - INTERMEDIATE BENTS NO. 11 & 15

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 28 of 32

Detailed May 2025
Checked July 2025



Kamlesh Kumar
Professional Engineer

DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 28
COUNTY ST. LOUIS/JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

REVISION	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
600 Washington Ave.
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St. Louis, MO 63101
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Missouri Certificate of Authority: F01144526





Kamlesh Kumar
Professional Engineer
Missouri License No. PE-2025007709

DATE PREPARED
8/6/2025

ROUTE
I-55
DISTRICT
BR

STATE
MO
SHEET NO.
29

COUNTY
ST LOUIS / JEFFERSON
JOB NO.
J613290
CONTRACT ID.

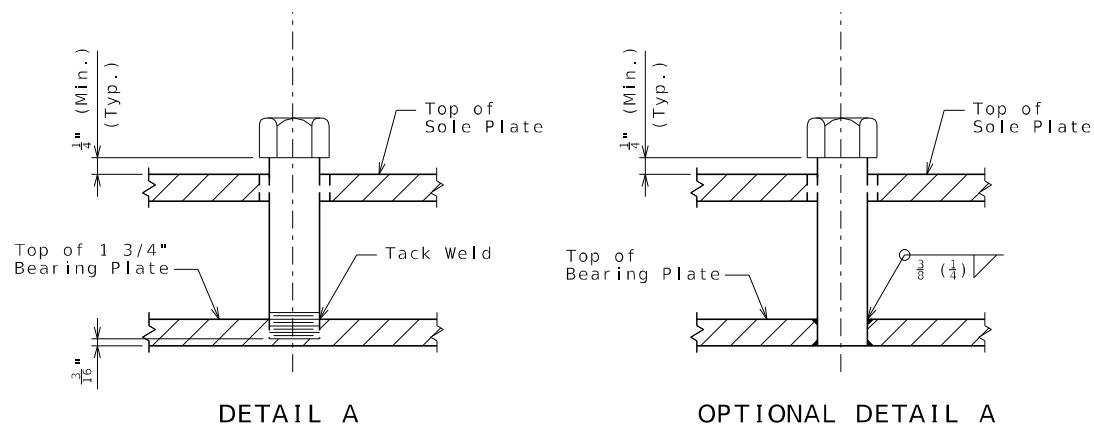
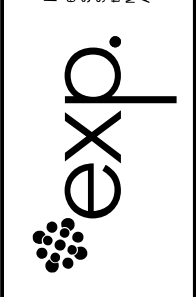
PROJECT NO.
BRIDGE NO.
A06092

DATE	DESCRIPTION

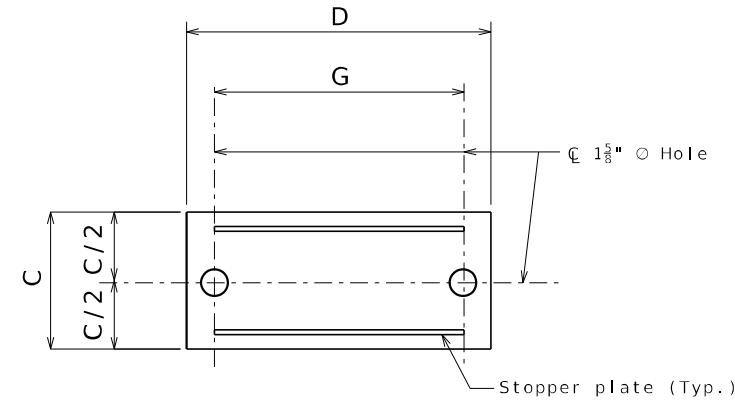
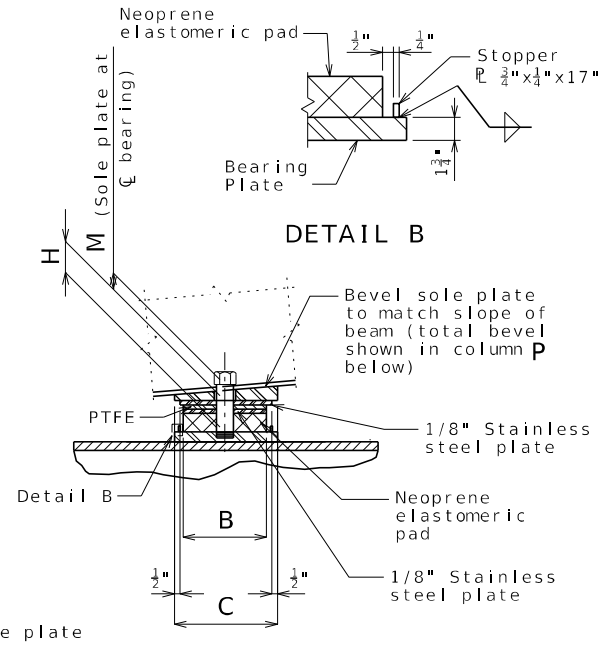
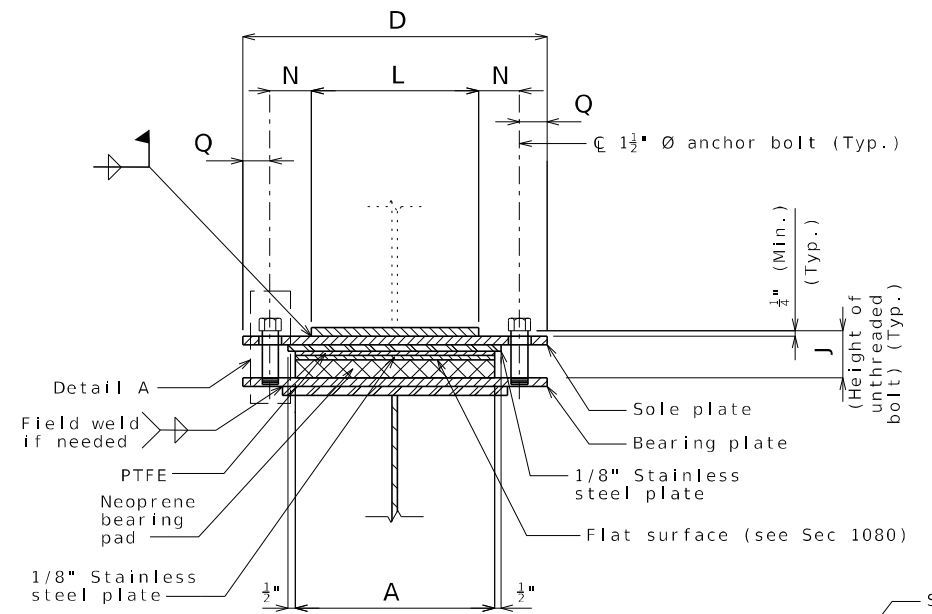
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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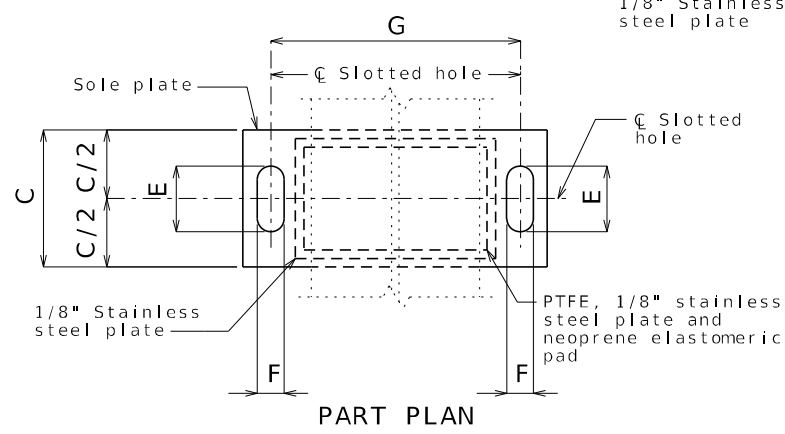
EXP U.S. Services Inc.
 600 Washington Ave.
 Suite 1700
 St. Louis, MO 63101
 t: +1.618.406.2385
 Missouri Certificate of Authority: F01144526



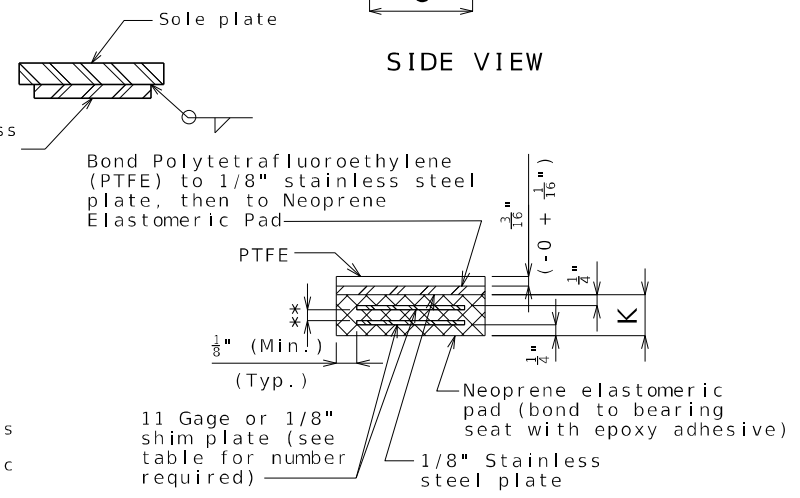
ANCHOR BOLT DETAILS



DETAIL OF BEARING PLATE (1 3/4" THICK)



PART PLAN



NEOPRENE ELASTOMERIC PAD

** Intermediate layers of 1/2" elastomeric pad alternating with 11 gage or 1/8" shim plate.

GENERAL NOTES:

- Design coefficient of friction equals 4%.
- Anchor bolts shall be 1 1/2"Ø ASTM F3125 Grade A325 Type 1. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided.
- Anchor bolts shall be at the centerline of slotted hole at 60°F. Bearing position shall be adjusted R for each 10° fall or rise in temperature at installation.
- Anchor bolts and threaded studs shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with Sec 1081.
- Neoprene Elastomeric Pads shall be 70 Durometer.
- Structural steel for sole and bearing plate shall be ASTM A709 Grade 36 and shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum. The stainless steel plate shall be protected from any coating.
- Type N PTFE Bearings shall be in accordance with Sec 716.
- PTFE surface shall be fabricated as a single piece. Splicing will not be permitted.
- The PTFE surface shall be dimpled.
- The depth of the dimples shall be at least 0.08 inch but less than one-half the PTFE thickness and the diameter shall be no more than 0.32 inch. Dimples shall be uniformly distributed and cover greater than 20% but less than 30% of the entire PTFE surface area. Dimples shall not be placed to intersect the edge of the PTFE surface.
- Dimpled PTFE surfaces shall be lubricated with silicone grease meeting the Society of Automotive Engineers Specification SAE-AS8660.

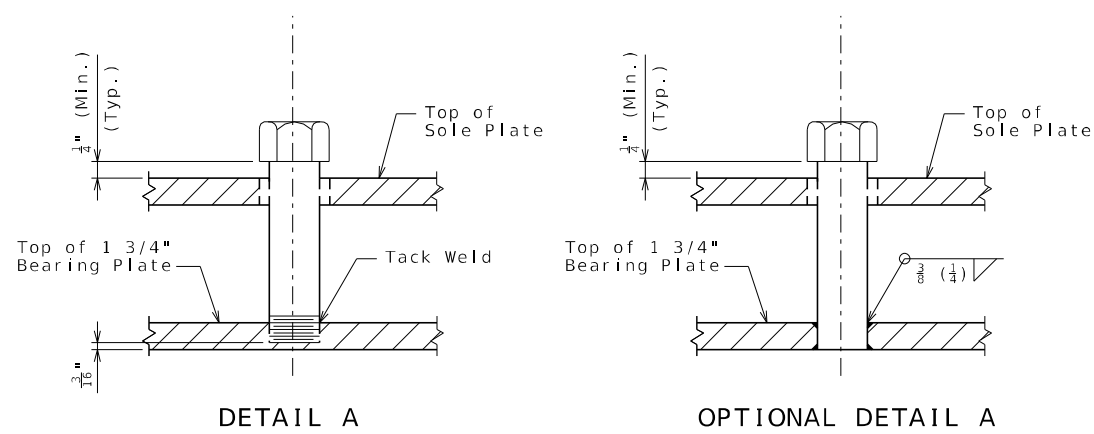
PTFE SLIDING BEARINGS																			
BENT NO.	GIRDER NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	NUMBER OF SHIM PLATES *	NUMBER REQUIRED
Hinge 11 Shelf	1 thru 9	12"	8"	13"	20 1/2"	6 1/2"	1 3/4"	16"	1 1/8"	3 7/16"	1 1/4"	12"	1 1/2"	2"	-	2 1/4"	1/4"	2	9

* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.

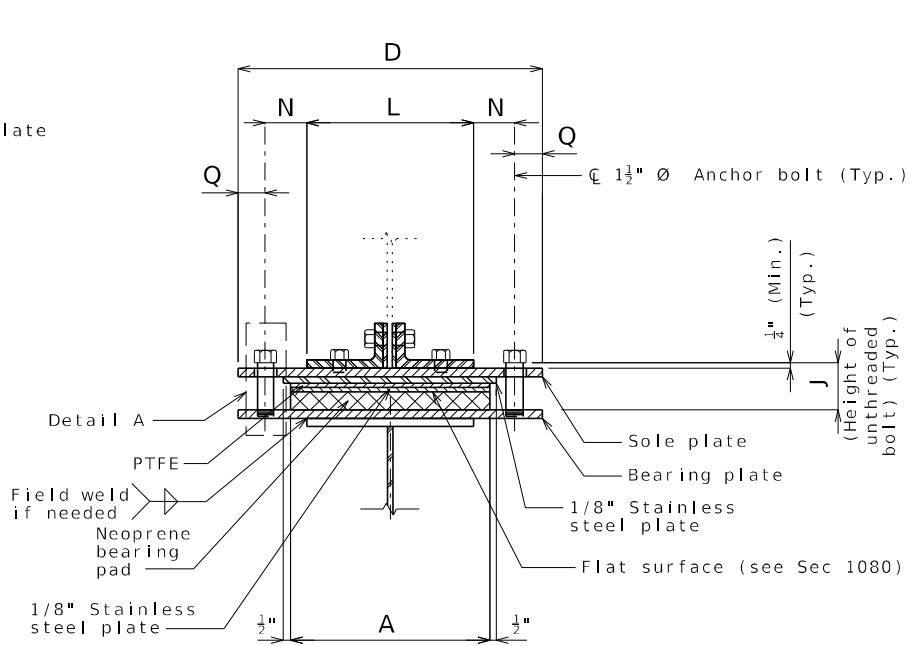
TYPE N PTFE BEARINGS - HINGE NO. 11

Note: This drawing is not to scale. Follow dimensions. Sheet No. 29 of 32

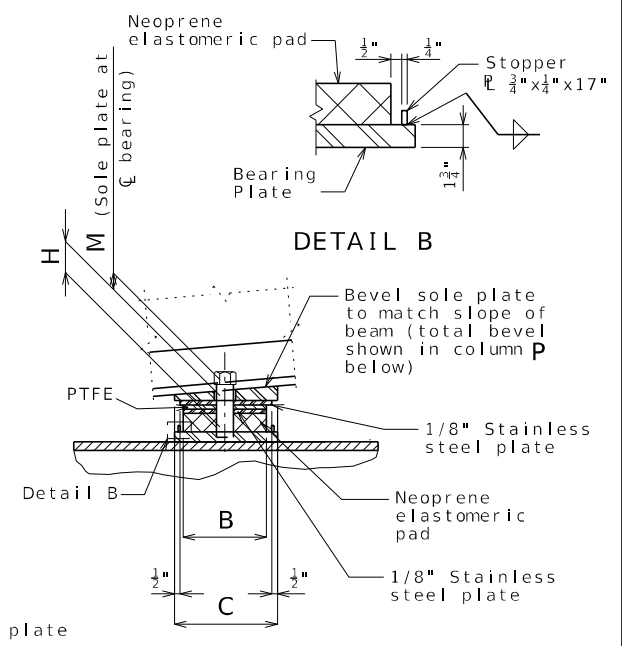
Detailed May 2025
Checked July 2025



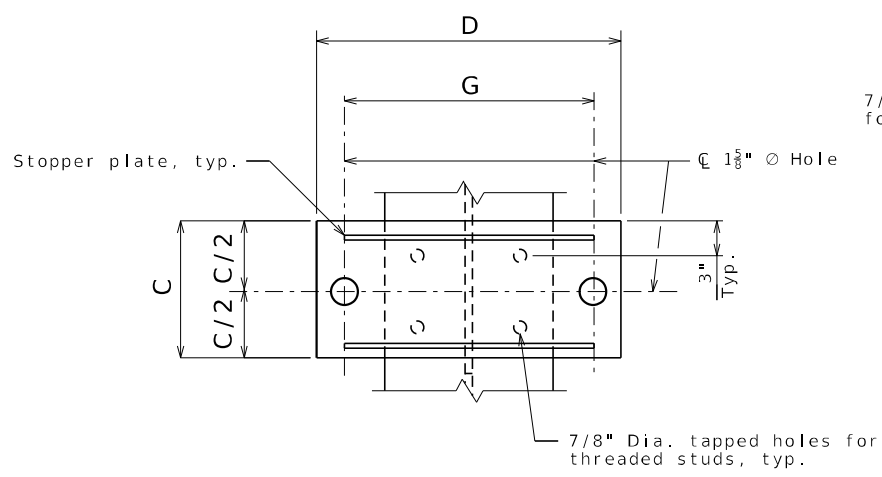
ANCHOR BOLT DETAILS



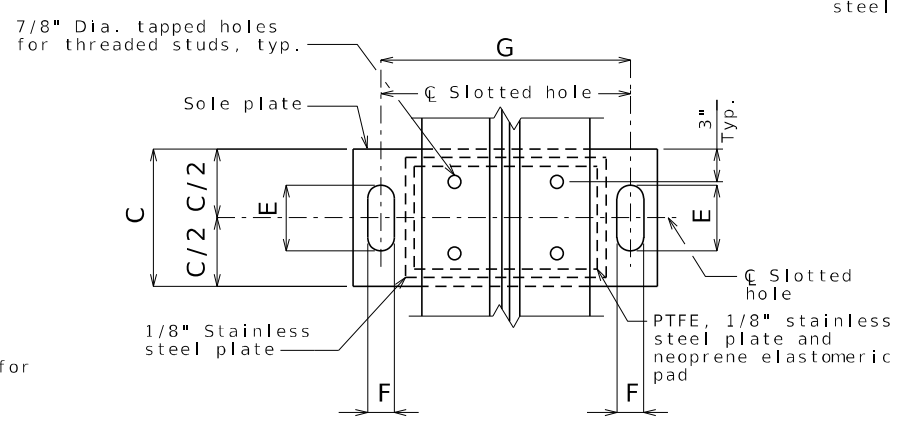
END VIEW
Shelf assembly not shown for clarity.



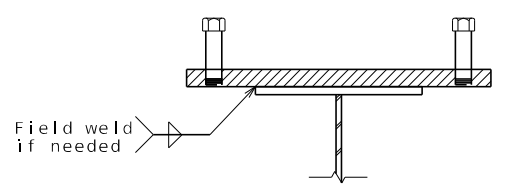
SIDE VIEW



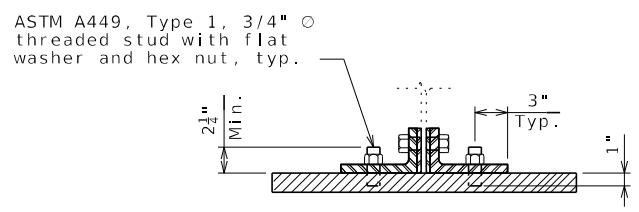
PART PLAN
SHOWING BEARING PLATE



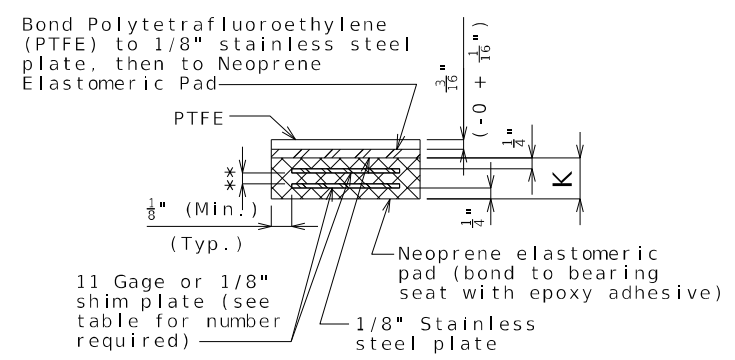
PART PLAN
SHOWING SOLE PLATE



SECTION THRU BEARING PLATE



SECTION THRU SOLE PLATE



NEOPRENE ELASTOMERIC PAD
** Intermediate layers of 1/2\"/>

GENERAL NOTES:

- Design coefficient of friction equals 4%.
- Anchor bolts shall be 1 1/2"Ø ASTM F3125 Grade A325 Type 1. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided.
- Anchor bolts shall be at the centerline of slotted hole at 60°F. Bearing position shall be adjusted R for each 10° fall or rise in temperature at installation.
- Anchor bolts and threaded studs shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with Sec 1081.
- Neoprene Elastomeric Pads shall be 70 Durometer.
- Structural steel for sole and bearing plate shall be ASTM A709 Grade 36 and shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum. The stainless steel plate shall be protected from any coating.

PTFE SLIDING BEARINGS																			
BENT NO.	GIRDER NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	NUMBER OF SHIM PLATES *	NUMBER REQUIRED
Hinge 15 Shelf	All Girders	13"	10"	14 1/2"	23 1/2"	6"	1 3/4"	19	1 11/16"	3 7/16"	1 1/4"	15"	1 1/2"	2"	-	2 1/4"	1/4"	2	9

* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.

TYPE N PTFE BEARINGS - HINGE NO. 15
Note: This drawing is not to scale. Follow dimensions. Sheet No. 30 of 32

Detailed May 2025
Checked July 2025



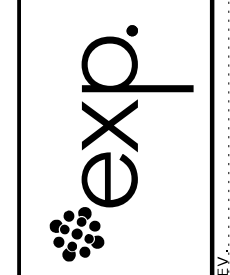
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 30
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

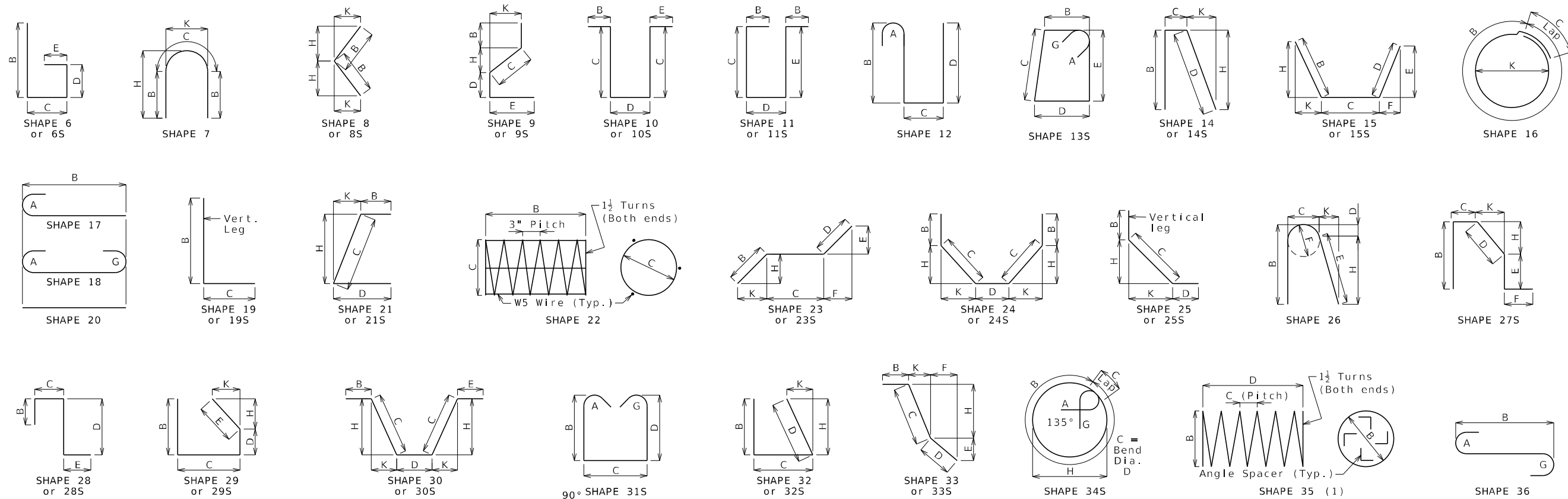
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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600 Washington Ave.
Suite 1700
St. Louis, MO 63101
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Missouri Certificate of Authority: F01144526



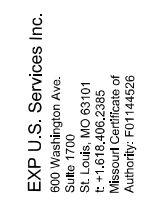


DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 31
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06092	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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1-888-ASK-MODOT (1-888-275-6636)



Finished Bend Diameters D and Hook Dimensions

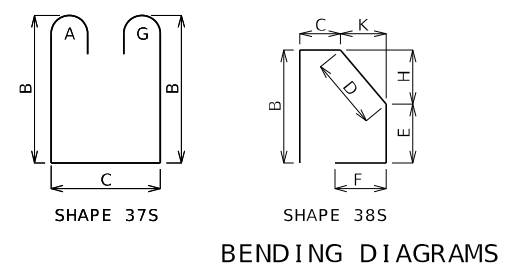
Standard Pin Bend Shapes

Size	Case	D	A or G			J
			90°	180°	180°	
#4	1	3"	8"	6"	4"	
#5	1	3 3/4"	10"	7"	5"	
#6	1	4 1/2"	12"	8 1/4"	6"	
#7	2	5 1/4"	14"	9 3/4"	7"	
	3	7"	15"	11 1/2"	8 3/4"	
#8	2	6"	16"	11"	8"	
	3	8"	17"	13 1/4"	10"	
#9	1	9 1/2"	19 1/2"	15 1/2"	11 3/4"	
#10	1	10 3/4"	22"	17 1/2"	13 1/4"	
#11	1	12"	24 1/2"	19 1/2"	14 7/8"	
#14	1	18 1/4"	31 1/4"	27 1/2"	21 5/8"	
#18	1	24"	41 1/2"	36 1/4"	28 1/2"	

Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G			H	J
			90°	135°	180°		
#4	2	2"	4 1/2"	4 1/2"	5"	2 5/8"	3"
	3	3"	5"	5 1/4"	6"	3"	4"
#5	2	2 1/2"	5 3/4"	5 3/4"	5 1/4"	3 3/8"	3 3/4"
	3	3 3/4"	6 1/4"	6 1/4"	7"	3 3/8"	5"
#6	1	4 1/2"	12"	7 3/4"	8 1/4"	4 3/8"	6"

Applicable for all grades of steel.
Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.



BENDING DIAGRAMS

All dimensions are out to out. (1) Shall be a deformed or plain spiral bar or wire.

Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.

Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.

Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

Reinforcing Steel Totals (Pounds)

Size	Substructure		Superstructure				Entire Bridge	
	Plain	Epoxy	Slab		Barrier	Slip Form	Plain	Epoxy
			Plain	Epoxy				
W5	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	905	0	0	905
6	0	0	0	19025	0	0	0	19025
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
By Type	0	0	0	19025	905	0	0	19930

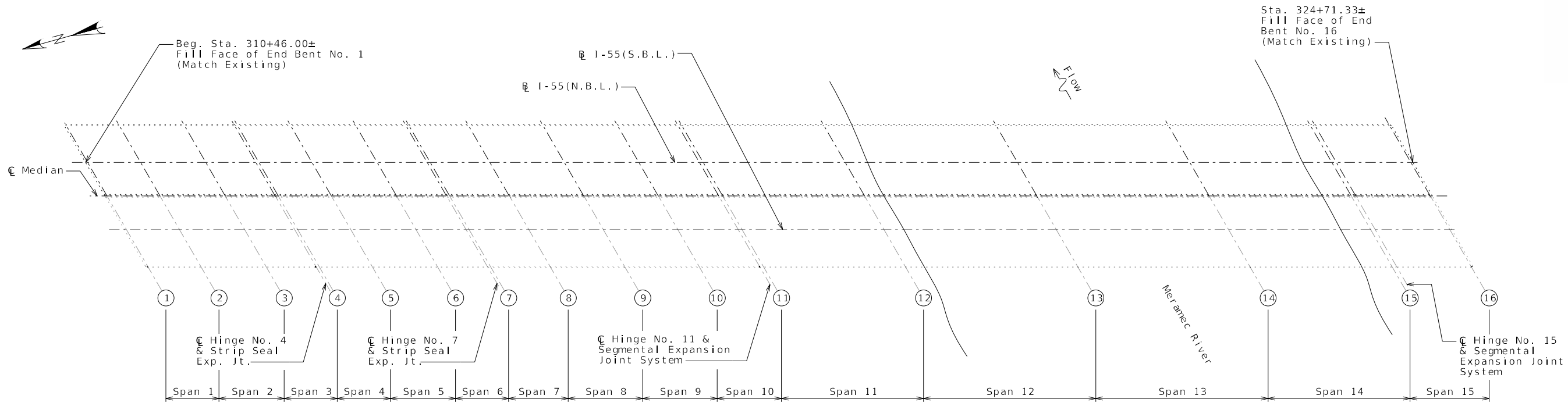
All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 31 of 32

U.I.P AND REHABILITATE
 EXISTING (59'-70'-57') (57'-70'-57') (64'-80'-80'-69') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS, (152.5'-185'-185'-152.5')
 CONTINUOUS COMPOSITE PLATE GIRDER SPANS, (87') COMPOSITE PLATE GIRDER SPANS (SKEW:30° R.A.)



LOCATION SKETCH SHOWING PIER NUMBERING AND APPROXIMATE LOCATION OF EXPANSION JOINTS

Index of Sheets:

1. Location Plan and Sheet List
2. General Notes, Summary of Quantities, and Paint Details
3. Wearing Surface Details
4. Bridge Approach Slab Repair Details
5. Details of Staged Construction
6. Locations of Girder Crack Repair
7. Details of Existing Diaphragm Connection to Flange
8. Hinge Modification Near Bent No. 11 - Detail 1
9. Hinge Modification Near Bent No. 11 - Detail 2
10. Hinge Modification Near Bent No. 11 - Detail 3
11. Hinge Modification Near Bent No. 15 - Detail 1
12. Hinge Modification Near Bent No. 15 - Detail 2
13. Hinge Modification Near Bent No. 15 - Detail 3
14. Miscellaneous Steel Repairs
15. Barrier Removal
16. Barrier Replacement and Repair
17. Expansion Device Removal Details
18. Strip Seal Expansion Joint System at Hinges No. 4 & 7
19. Segmental Expansion Joint System at Hinges No. 11 & 15
20. Segmental Expansion Joint System Details
21. Removal Details for Abutment Diaphragms
22. End Bent No. 1 Diaphragm
23. End Bent No. 1 Details
24. End Bent No. 16 Diaphragm
25. End Bent No. 16 Details
26. Substructure Repair Details
27. Bearing Removal
28. Type N PTFE Bearings - Intermediate Bents No. 11 & 15
29. Type N PTFE Bearings - Hinge No. 11
30. Type N PTFE Bearings - Hinge No. 15
31. Bending Diagrams and Reinforcing Steel Totals
32. Bill of Reinforcing Steel

REPAIRS TO BRIDGE: I-55 (N.B.L.) OVER MERAMEC RIVER

ROUTE I-55 FROM ROUTE 141 TO ROUTE I-255
 ABOUT 0.7 MILE NORTH OF ROUTE 141
 BEG. STA. 310+46.00± (MATCH EXISTING)

LOCATION PLAN AND SHEET LIST

Note: This drawing is not to scale. Follow dimensions. Sheet No. 1 of 32

Designed May 2025
 Detailed May 2025
 Checked July 2025

KAMLESH KUMAR
 NUMBER PE-2025007709
 PROFESSIONAL ENGINEER

DATE PREPARED: 10/14/2025

ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 1

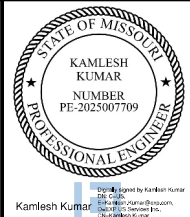
COUNTY: ST LOUIS / JEFFERSON
 JOB NO.: J613290
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.: A06093

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
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DATE PREPARED
8/6/2025

ROUTE
I-55

DISTRICT
BR

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

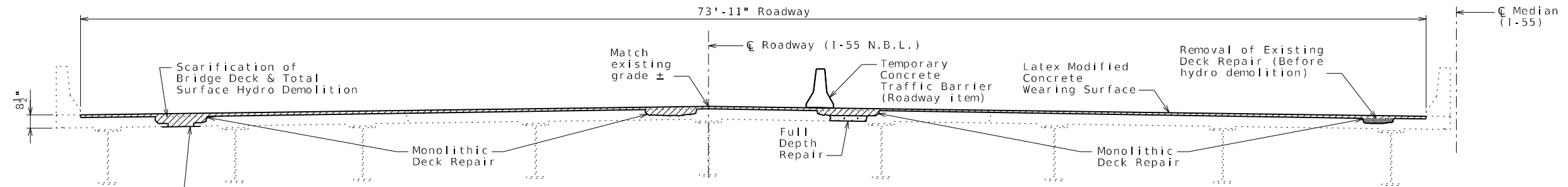
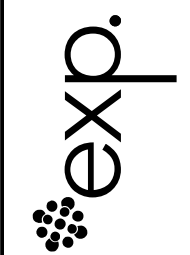
BRIDGE NO.
A06093

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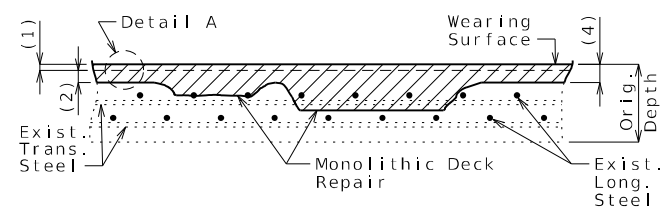
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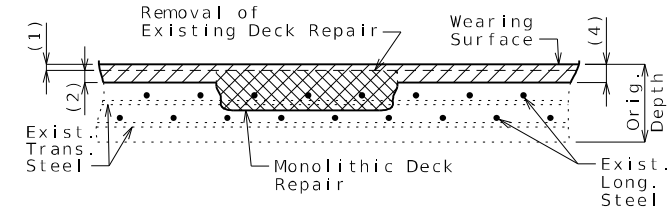
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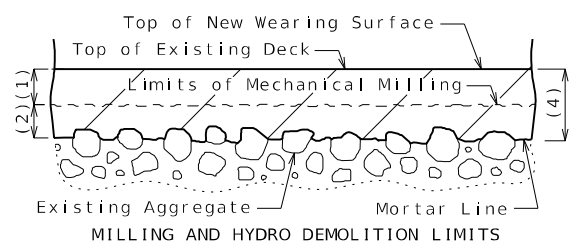
TYPICAL SECTION THRU EXISTING DECK



MONOLITHIC DECK REPAIR



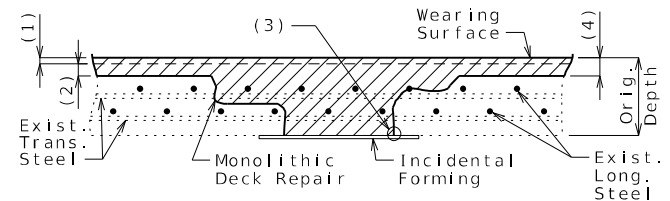
REMOVAL OF EXISTING DECK REPAIR BEFORE HYDRO DEMOLITION



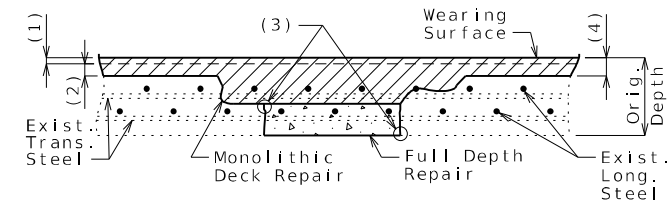
DETAIL A

- (1) 1" scarification of existing deck
- (2) 1/2" minimum total surface hydro demolition of sound concrete, measured to mortar line
- (3) 1" vertical side shall be established outside the deteriorated area.
- (4) 1 1/2" minimum latex modified concrete wearing surface

Note:
Monolithic deck repair shall be used when only half the diameter or less of the top bar is exposed.

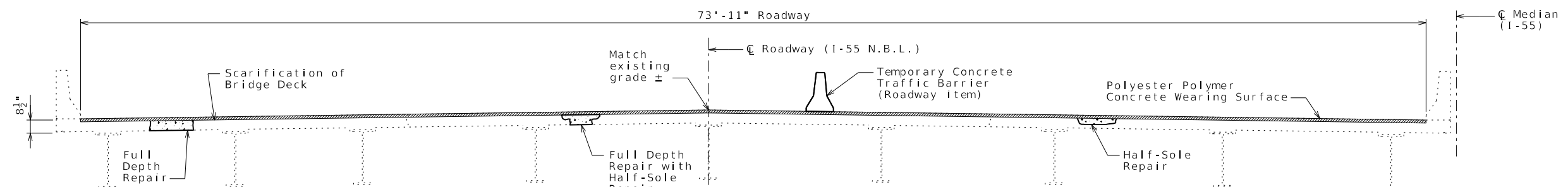


MONOLITHIC DECK REPAIR REQUIRING INCIDENTAL FORMING

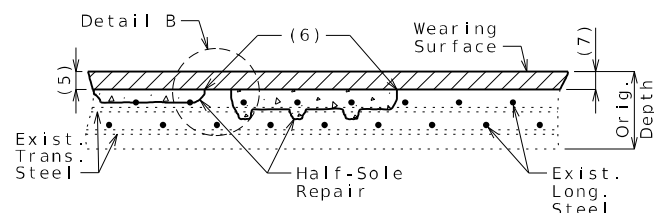


MONOLITHIC DECK REPAIR REQUIRING FULL DEPTH REPAIR

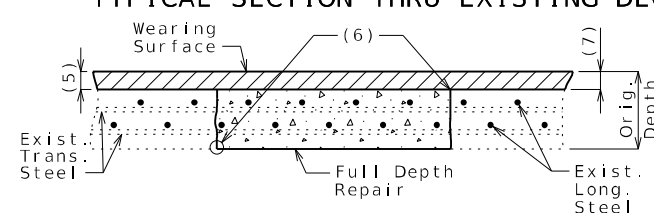
LATEX MODIFIED CONCRETE WEARING SURFACE ALTERNATE DETAILS



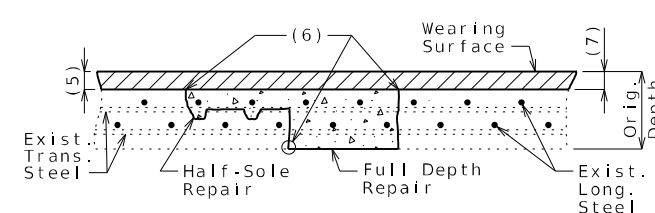
TYPICAL SECTION THRU EXISTING DECK



HALF-SOLE REPAIR

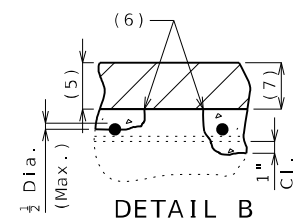


FULL DEPTH REPAIR



FULL DEPTH REPAIR WITH HALF-SOLE REPAIR

- (5) 1" scarification of existing deck.
- (6) 1" vertical side shall be established outside the deteriorated area.
- (7) 1" minimum polyester polymer concrete wearing surface.



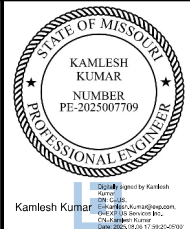
DETAIL B

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

POLYESTER POLYMER CONCRETE WEARING SURFACE ALTERNATE DETAILS

WEARING SURFACE DETAILS

Notes:
Polyester polymer concrete may be substituted for Class B-2 concrete at locations of half-sole and full depth repairs. Deck repairs using polyester polymer concrete shall be placed following the procedures recommended by the manufacturer. The maximum lift height recommended by the manufacturer is not to be exceeded. Monolithic repairs are permitted when half the diameter or less of the top bar is exposed.



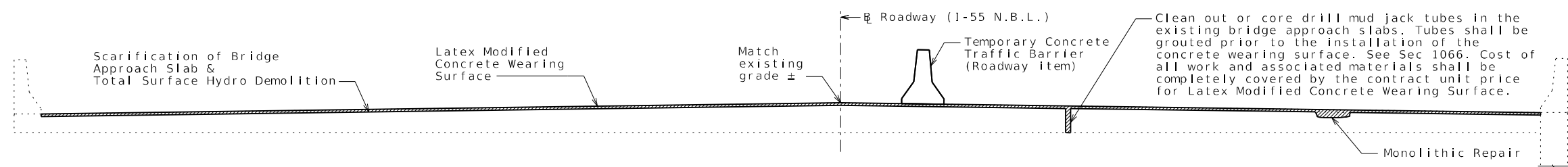
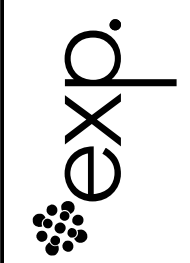
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ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 4
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06093	

DESCRIPTION	DATE

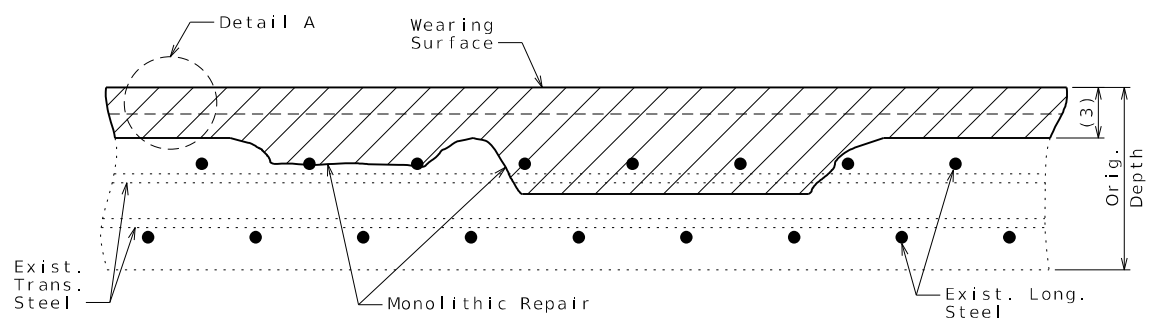
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1-888-ASK-MODOT (1-888-275-6636)

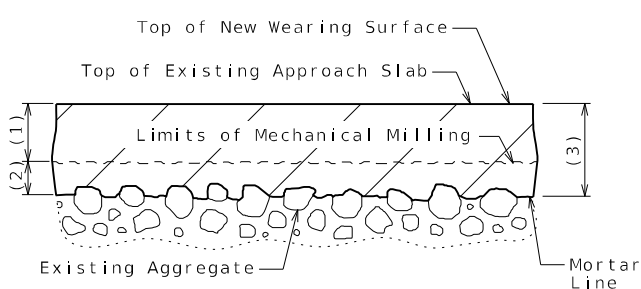
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t: +1-618-406-2385
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SECTION AT WINGWALL
(Section at end of Bridge Approach Slab similar)



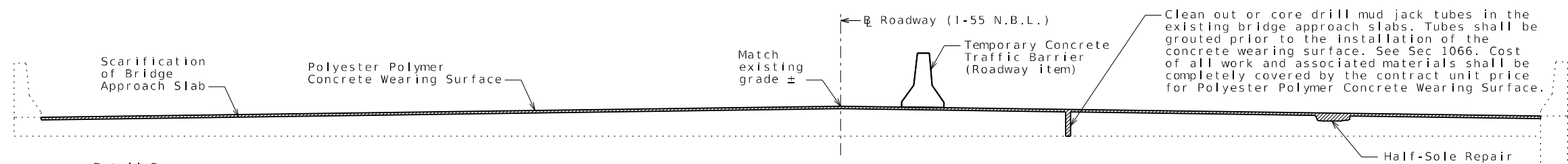
MONOLITHIC REPAIR



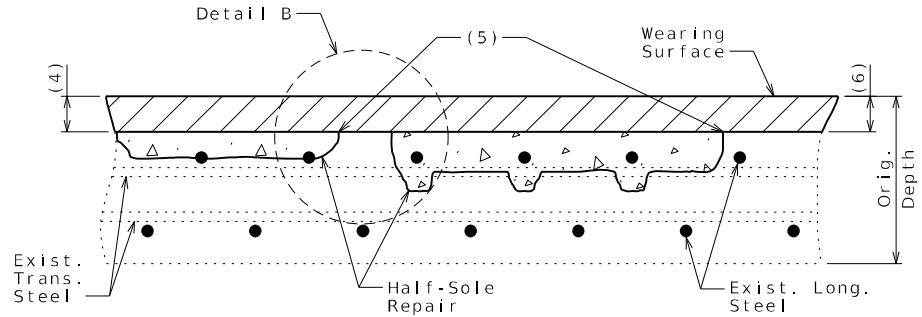
DETAIL A

- (1) 1" scarification of existing approach slab
- (2) 1/2" minimum total surface hydro demolition of sound concrete, measured to mortar line
- (3) 1 1/2" Latex Modified Concrete Wearing Surface

LATEX MODIFIED CONCRETE WEARING SURFACE ALTERNATE DETAILS

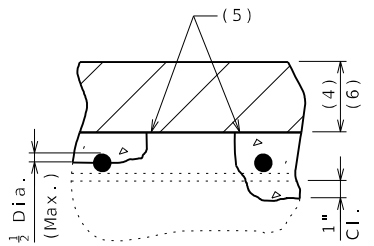


SECTION AT WINGWALL
(Section at end of Bridge Approach Slab similar)



HALF-SOLE REPAIR

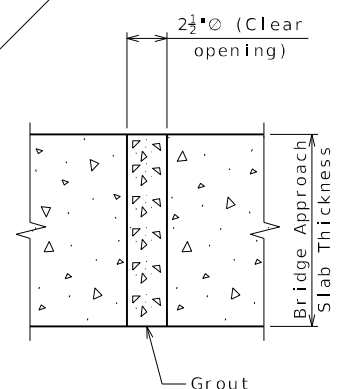
- (4) 1" scarification of existing approach slab
- (5) 1" vertical side shall be established outside the deteriorated area.
- (6) 1" Polyester Polymer Concrete Wearing Surface



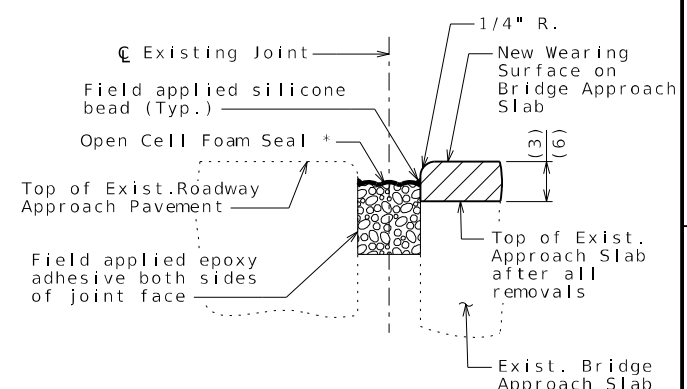
DETAIL B

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

Note: Polyester polymer concrete may be substituted for Class B-2 concrete at locations of half-sole and full depth repairs. Deck repairs using polyester polymer concrete shall be placed following the procedures recommended by the manufacturer. The maximum lift height recommended by the manufacturer is not to be exceeded. Monolithic repairs are permitted when half the diameter or less of the top bar is exposed.



TYPICAL MUD JACK TUBE DETAIL
Drilling, cleaning, and grouting of mud jack tubes in both approach slabs is included in the cost of wearing surface.



SECTION THRU JOINT
(Between Roadway Approach Pavement and Bridge Approach Slab)
+ Manufacturer's recommended size
Extend seal 3" past edges of slab.

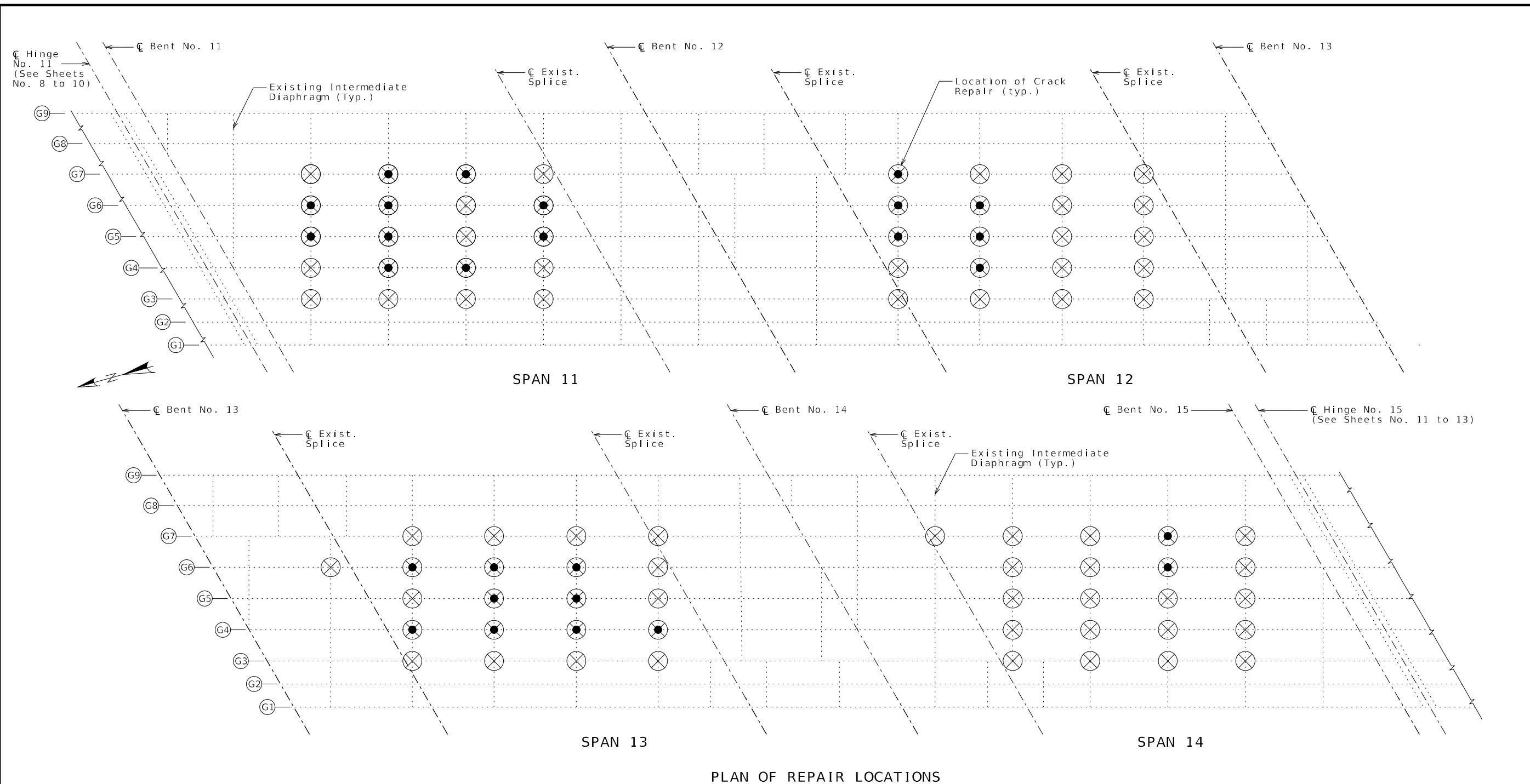
POLYESTER POLYMER CONCRETE WEARING SURFACE ALTERNATE DETAILS

BRIDGE APPROACH SLAB REPAIR DETAILS

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 32

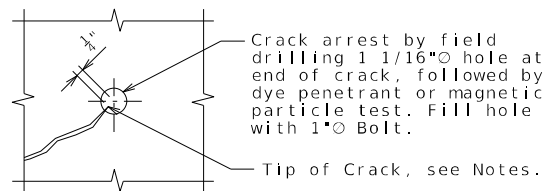
Detailed May 2025
Checked July 2025



PLAN OF REPAIR LOCATIONS

Notes:

- Only those fatigue cracks which have propagated into the girder web need repair. Cracks that are confined entirely within the weld metal are not required to be repaired.
The extent of crack repair may vary from the estimated quantity but the contract unit price shall prevail regardless of the variation. Fatigue Crack Repair will be measured per each.
Cost of fatigue crack repair including NDT (dye penetrate or magnetic particle) and crack arresting will be considered completely covered by the contract unit price for Fatigue Crack Repair.
 - See Sheet No. 7 for details of Existing Diaphragm Connection to Flange.
Each location includes two diaphragm connections, one on each side of the girder web.
Girders G3 and G7 may have stiffening angles installed at some diaphragm locations, connecting top flange to the diaphragm stiffeners. A new diaphragm connection is required only if there is no stiffening angles already installed.
- Work described by notes 1 and 2 shall not be performed under live load directly applied on slab over girder under repair.
See Sheet No. 14 for other steel repairs in spans not shown.



FATIGUE CRACK REPAIR

LEGEND

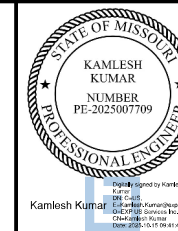
- Location of Fatigue Crack Repair in girder web. May represent more than one crack at the location. See Note 1
- ⊗ Location of Existing Diaphragm Connection to Flange See Note 2

LOCATIONS OF GIRDER CRACK REPAIR

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 32

Detailed May 2025
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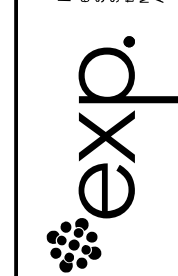
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ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 6
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06093	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Kamlesh Kumar
Professional Engineer
Missouri License No. PE-2025007709

DATE PREPARED
10/15/2025

ROUTE I-55 STATE MO

DISTRICT BR SHEET NO. 7

COUNTY ST LOUIS / JEFFERSON

JOB NO. J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A06093

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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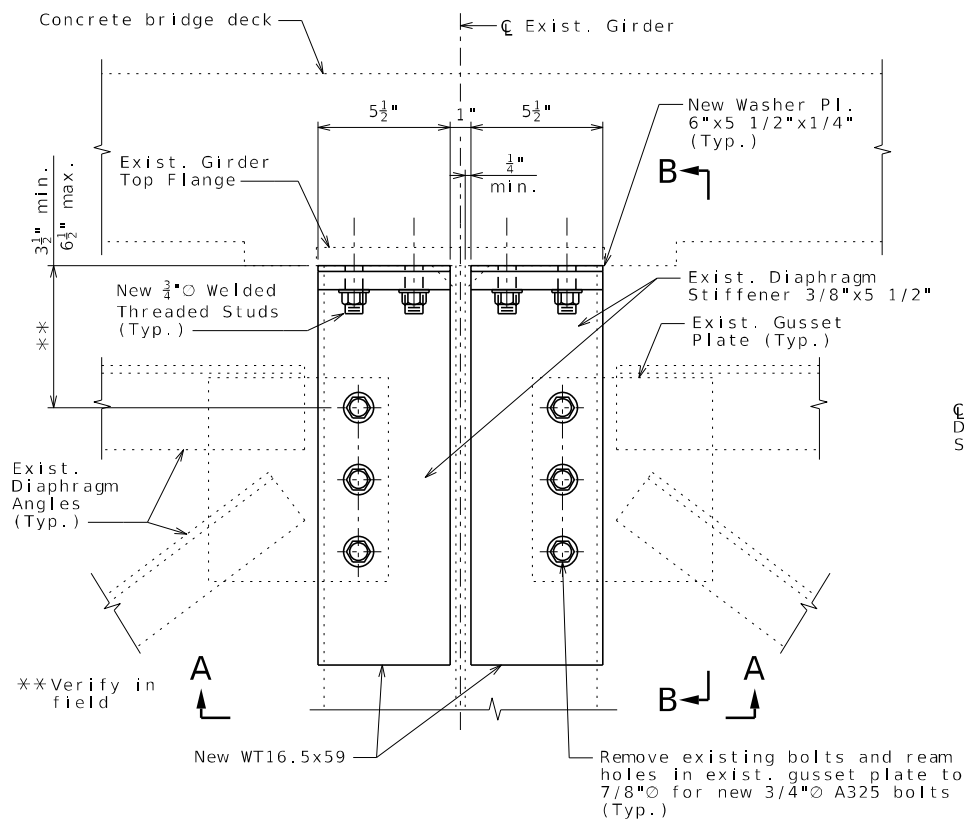
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EXP U.S. Services Inc.

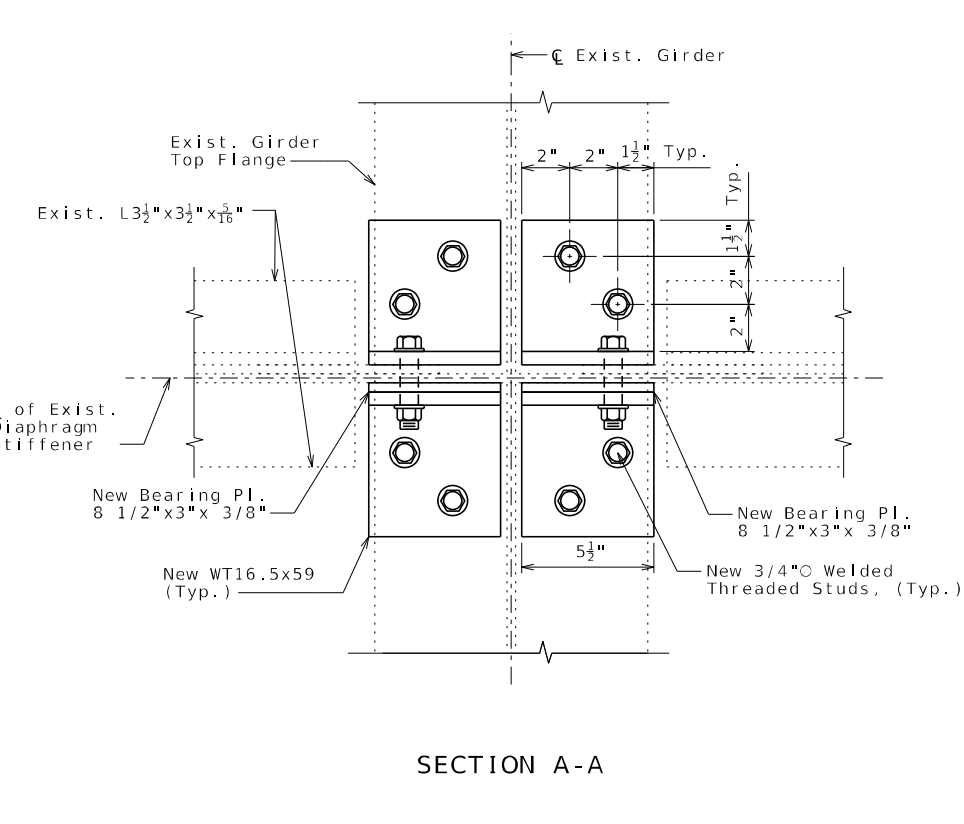
600 Washington Ave. Suite 1700 St. Louis, MO 63101 t: +1-618-406-2385 Missouri Certificate of Authority: F01144526

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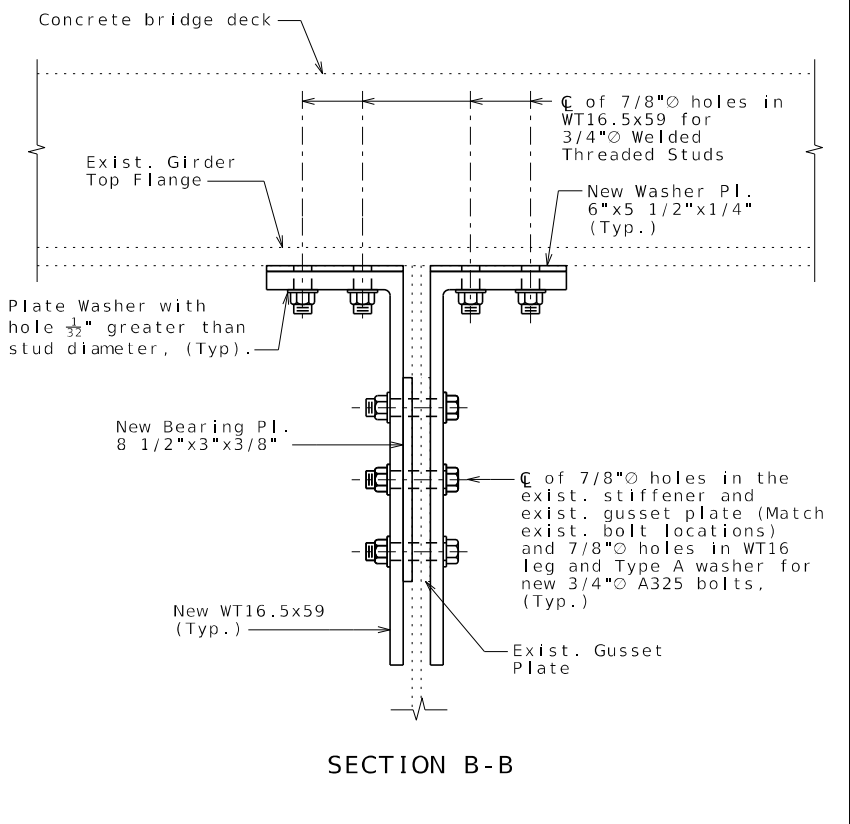
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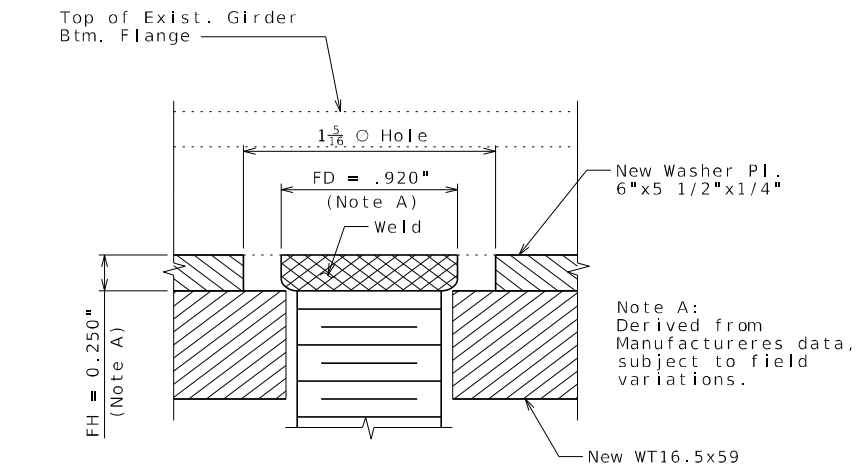
SECTION THRU GIRDER



SECTION A-A

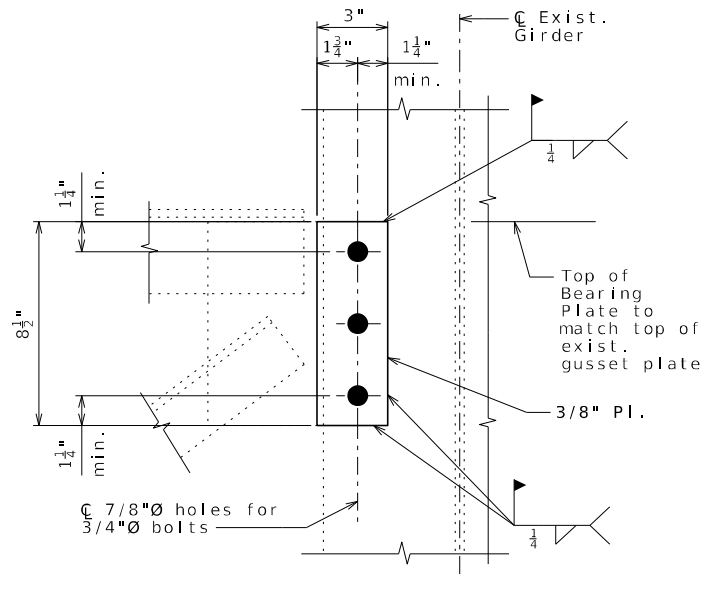


SECTION B-B



THREADED STUD CONNECTION DETAIL

Note: Threaded stud connection shall be in accordance with Sec 712, 1037 and 1080.



BEARING PLATE DETAIL

Notes:

3/4-inch \varnothing bolts shall be ASTM F3125 Grade A325, Type 1 bolts. Bolts, nuts and washers, except stainless steel, shall be galvanized in accordance with ASTM A153, Class C or mechanically galvanized in accordance with ASTM B695, Class 55.

3/4-inch \varnothing threaded studs shall be ASTM A108/A29 Grade C1010-C1020. Nuts on threaded stud shall be tightened to provide a tension of one-half that specified in Sec 712 for ASTM F3125 Grade A325 high strength bolt installation.

All new structural steel shall be ASTM A709 Grade 36, unless noted otherwise.

The contractor shall develop a test assembly to allow for repeatedly welding threaded studs, in the same manner as will be done on the existing steel, to a nominally dimensioned, single ply of structural carbon steel plate so the plate can be removed for further testing.

Prior to welding any permanent threaded studs, the contractor shall, before beginning the start of new operation or change in operation, weld ten test specimens consecutively using optimal current and time. Optimal current and time shall be the midpoint of the range normally recommended by the manufacturer for production welding.

The ten test specimens shall be subject to torque and bend testing.

The torque test shall consist of fitting five welded threaded studs with a washer plate to fit around the base weld, a washer, and a nut to fit the threaded studs. The nuts shall be rotated to a snug tight condition, and using a torque wrench the nuts should be tightened to achieve a value of bolt tension of 60% of that shown in Sec 712.7.3 for ASTM F3125 Grade A325 bolts. A threaded stud will be considered as qualified if, on all test specimens, the base weld remains intact with no failures or if the base weld remains intact with failure of the stud.

The bend test shall consist of five welded threaded studs bent alternately in opposite directions to an angle of 30 degrees from vertical, until failure occurs. A threaded stud will be considered as qualified if, on all test specimens, fracture occurs in the shank of the stud and not in the weld.

Production welding of the threaded studs may proceed after one qualified torque and bend tests are achieved.

Cost of this work will be considered completely covered by the contract bid price for Existing Diaphragm Connection to Flange.

DETAILS OF EXISTING DIAPHRAGM CONNECTION TO FLANGE

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 7 of 32

Detailed May 2025
Checked July 2025

REV.



DATE PREPARED 8/6/2025	
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DISTRICT BR	SHEET NO. 8
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
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BRIDGE NO. A06093	

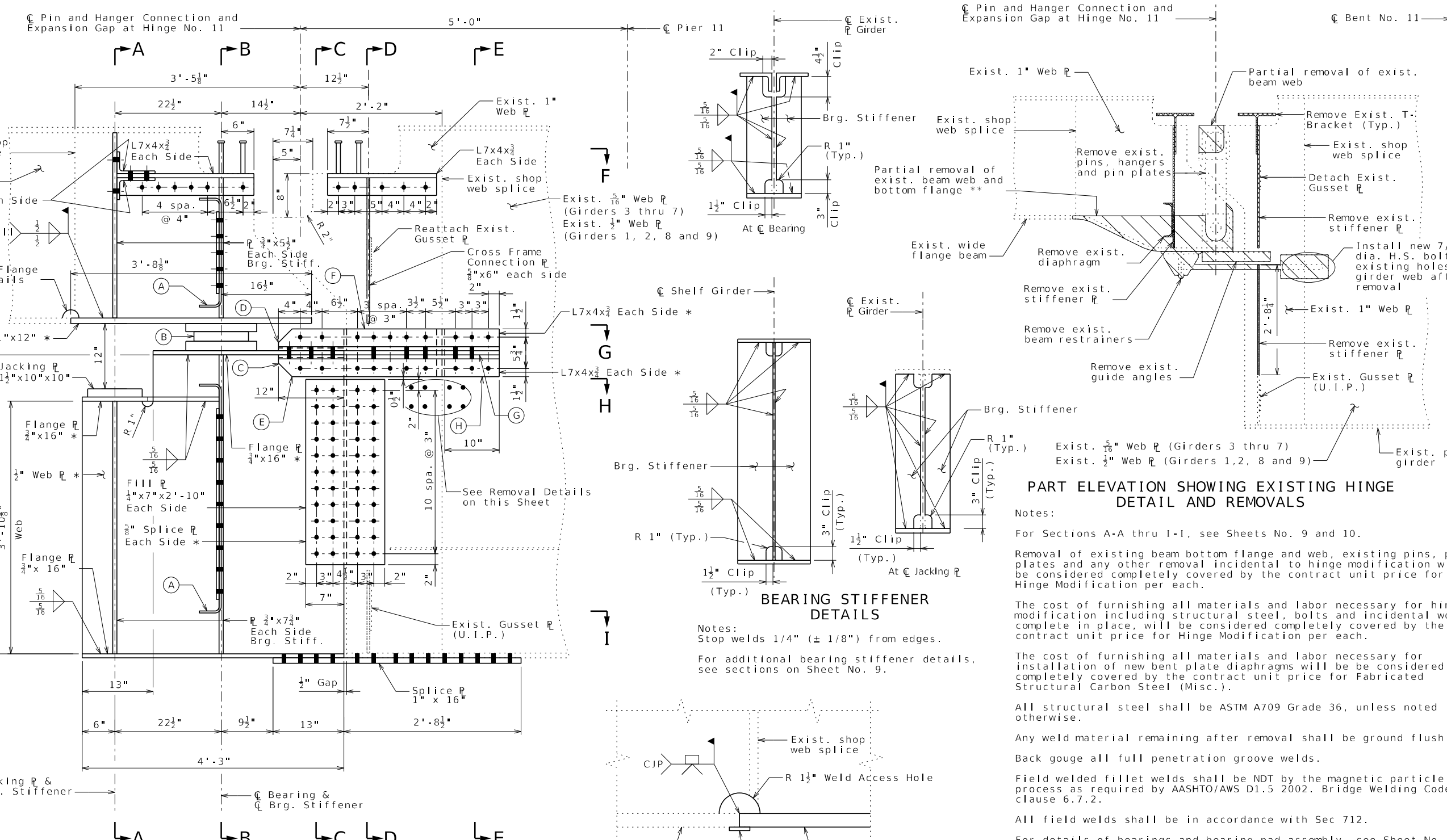
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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PART ELEVATION SHOWING PROPOSED SHELF
Segmental expansion device and slab concrete not shown for clarity.

- (A) Bent R Diaphragm, See Sheet No. 9 for details
- (B) Bearing Assembly, See Sheet No. 29 for details
- (C) 2 1/2" x 2 1/2" Clip (Typ.)
- (D) Fill R 1 1/2" x 3 1/2" x 12"
- (E) Fill R 1/2" x 3 1/2" x 12" Each Side
- (F) Fill R 1/2" x 8 3/4" x 16 1/2" Each Side
- (G) Fill R 3/4" x 6 1/2" x 2'-4" Each Side
- (H) Fill R 1/2" x 8 3/4" x 10" Each Side (Girders 1, 2, 8 & 9)
Fill R 3/8" x 8 3/4" x 10" Each Side (Girders 3 thru 7)

BEARING STIFFENER DETAILS

- Notes:
Install backing bar with tack welds only. Backing bar to be same grade of material as new flange.
Finished edge of weld access hole shall be in accordance with AWS D1.5 Section 3.2.2.

NEW FLANGE WELD DETAILS

PART ELEVATION SHOWING EXISTING HINGE DETAIL AND REMOVALS

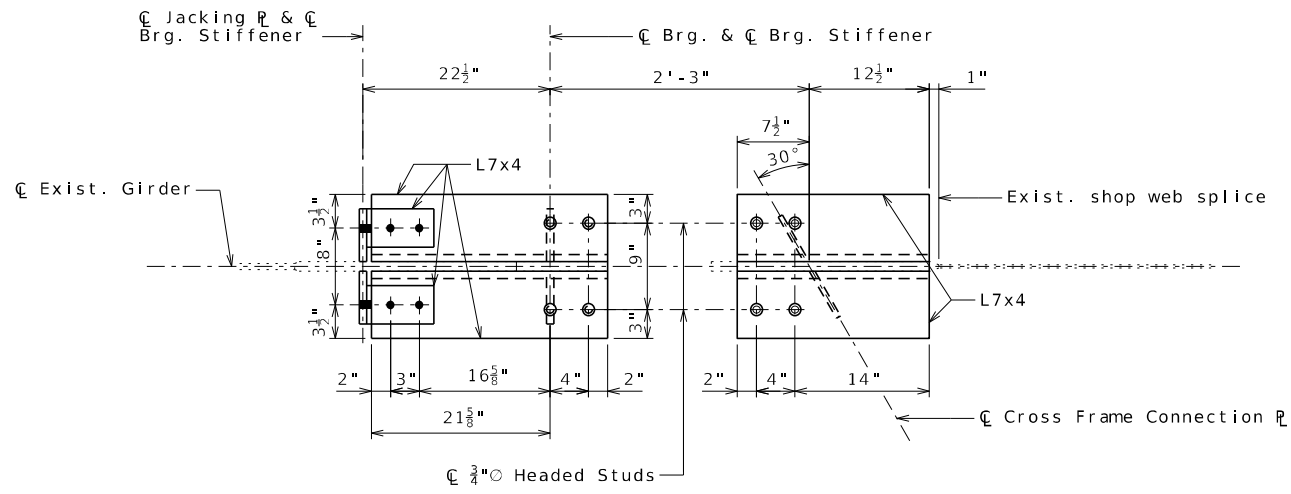
Notes:
For Sections A-A thru I-I, see Sheets No. 9 and 10.
Removal of existing beam bottom flange and web, existing pins, pin plates and any other removal incidental to hinge modification will be considered completely covered by the contract unit price for Hinge Modification per each.
The cost of furnishing all materials and labor necessary for hinge modification including structural steel, bolts and incidental work, complete in place, will be considered completely covered by the contract unit price for Hinge Modification per each.
The cost of furnishing all materials and labor necessary for installation of new bent plate diaphragms will be considered completely covered by the contract unit price for Fabricated Structural Carbon Steel (Misc.).
All structural steel shall be ASTM A709 Grade 36, unless noted otherwise.
Any weld material remaining after removal shall be ground flush.
Back gouge all full penetration groove welds.
Field welded fillet welds shall be NDT by the magnetic particle process as required by AASHTO/AWS D1.5 2002. Bridge Welding Code clause 6.7.2.
All field welds shall be in accordance with Sec 712.
For details of bearings and bearing pad assembly, see Sheet No. 29.
* Indicates plates subject to notch toughness requirements.
** Install diaphragms in at least one girder bay and both bearing stiffeners before removing the bottom flange of the wide flange beam.
*** End fillet welds 1/2" from edge of weld access hole.

Fabricated Steel Connection Notes:
Field connections shall be made with 7/8" diameter high strength bolts and 15/16" diameter holes, except as noted.
High strength bolts, nuts and washers will be sampled for quality assurance as specified in Sec 106.
The design and construction of temporary support for removal and modification of existing pin-hanger hinges shall ensure that it can support all applicable dead loads, any contributing live load including impact from staged traffic handling, and any construction loads. See Sheet No. 27 for jacking loads for temporary supports.

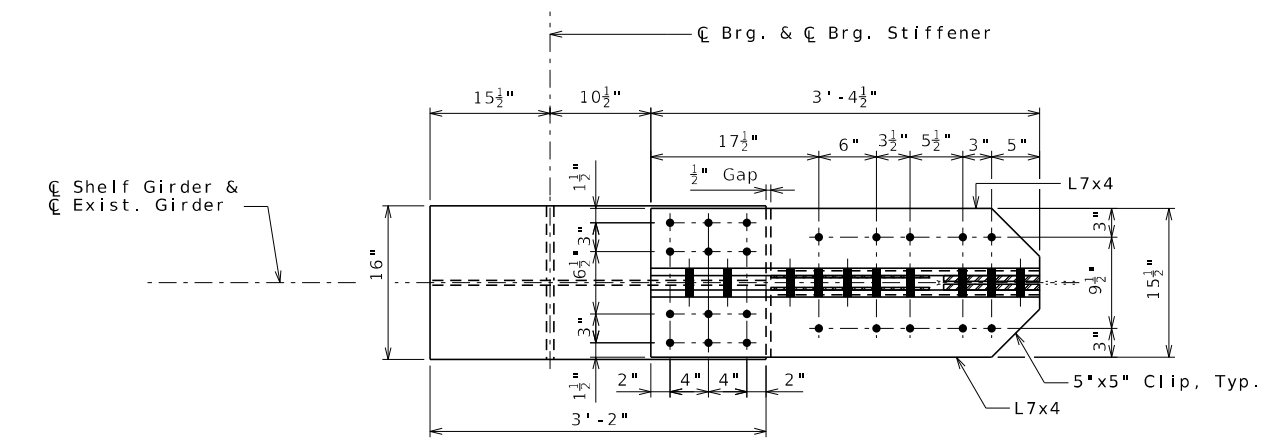
HINGE MODIFICATION NEAR BENT NO. 11 - DETAIL 1

Note: This drawing is not to scale. Follow dimensions. Sheet No. 8 of 32

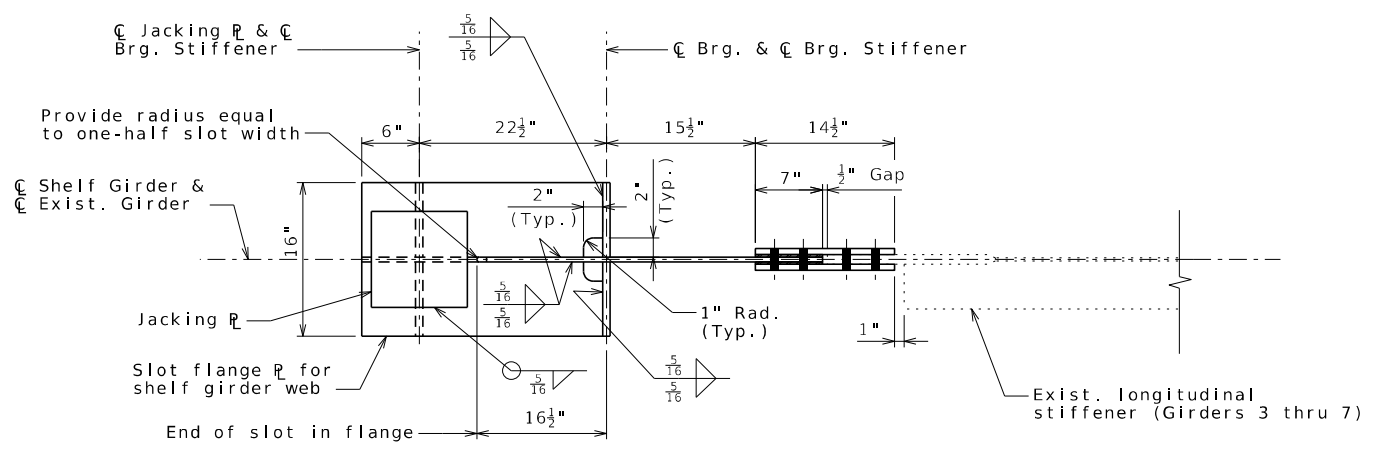
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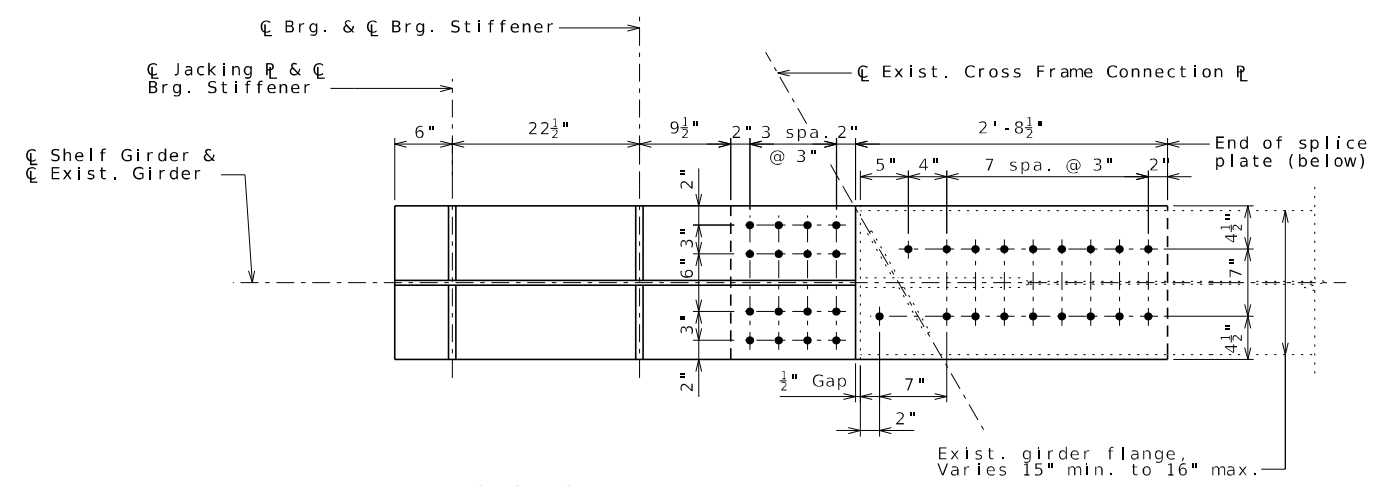
SECTION F-F



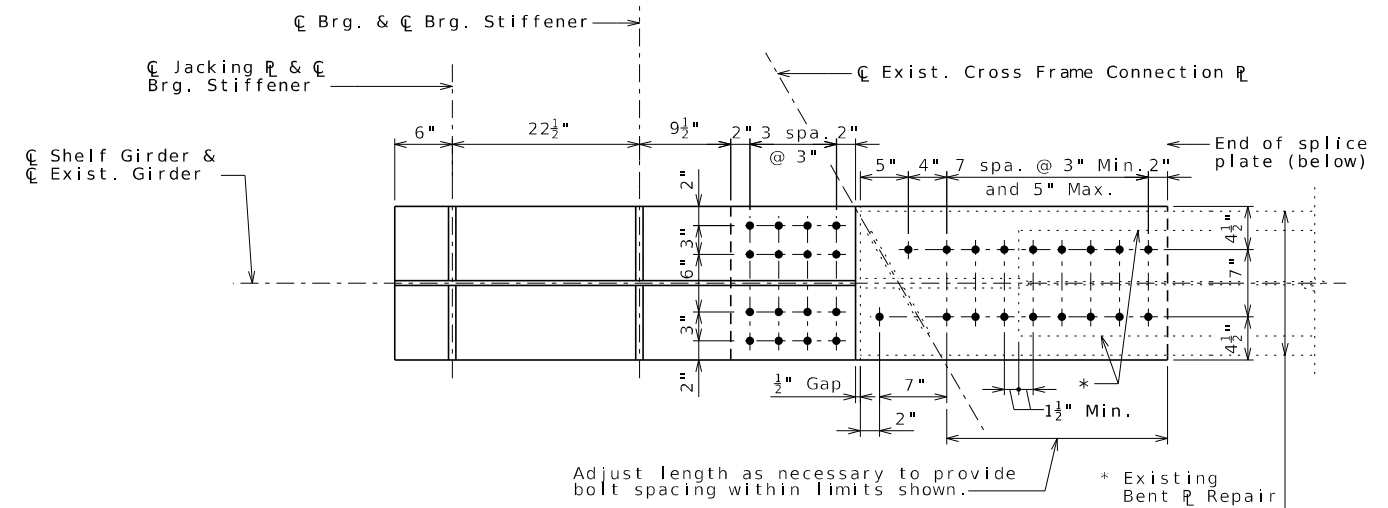
SECTION G-G



SECTION H-H



SECTION I-I
Existing girder bottom flange without existing bent plate repair.



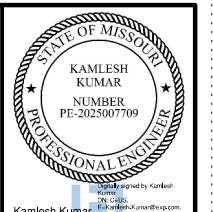
SECTION I-I
Existing girder bottom flange with existing bent plate repair.

HINGE MODIFICATION NEAR BENT NO. 11 - DETAIL 3

Note: This drawing is not to scale. Follow dimensions. Sheet No. 10 of 32

Notes:
For notes, see Sheet No. 8.

Detailed May 2025
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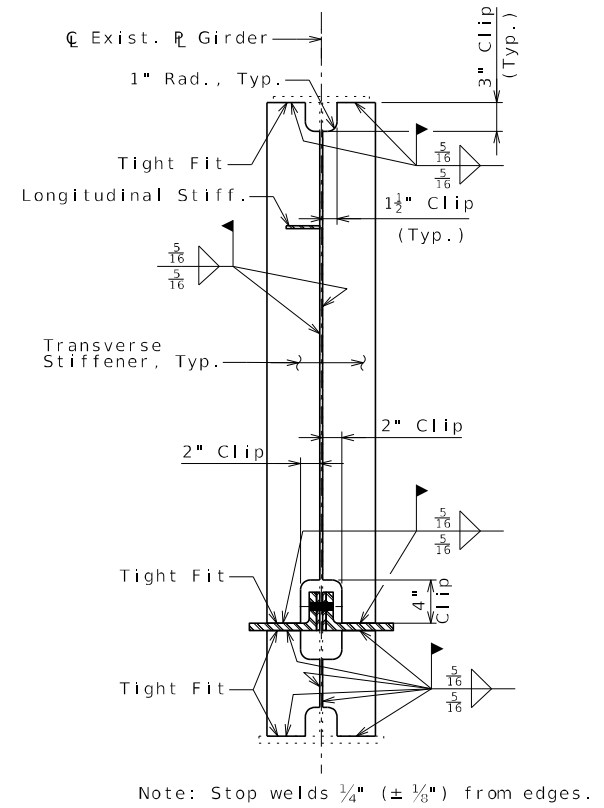
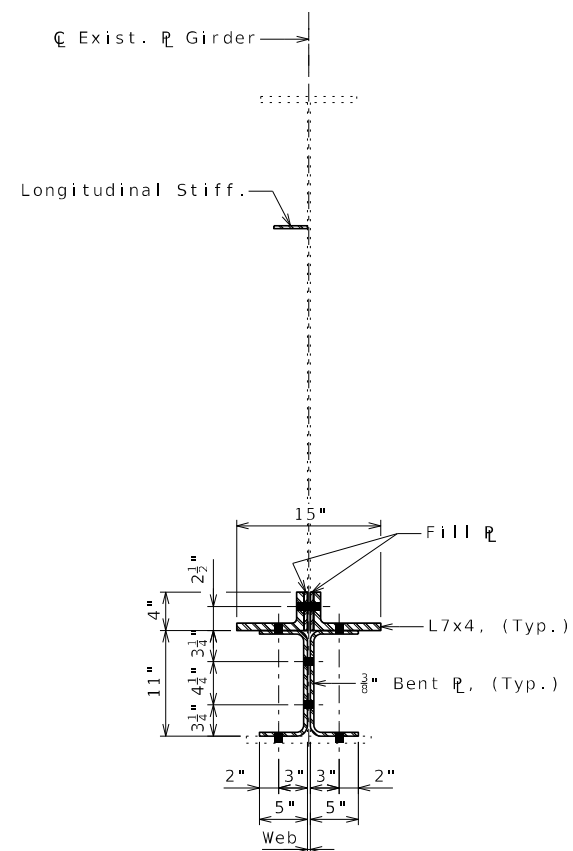
DATE	DESCRIPTION

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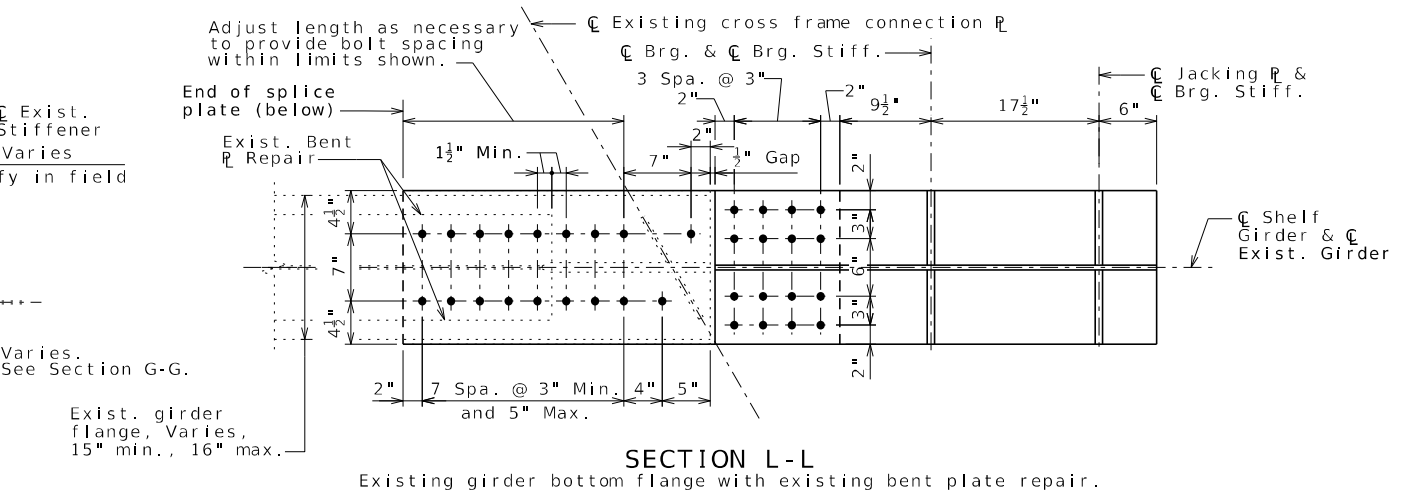
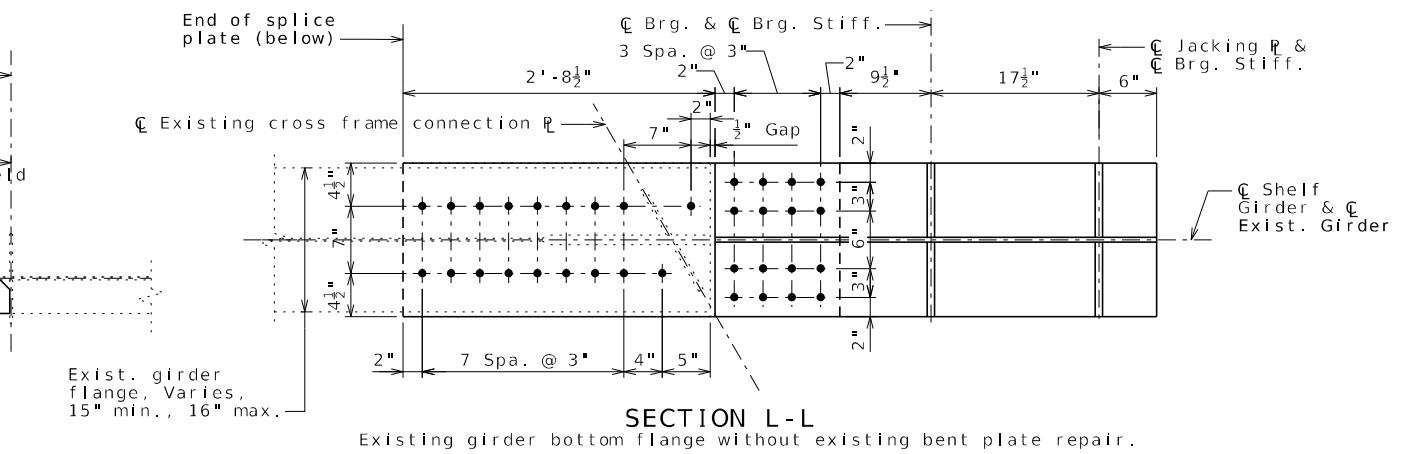
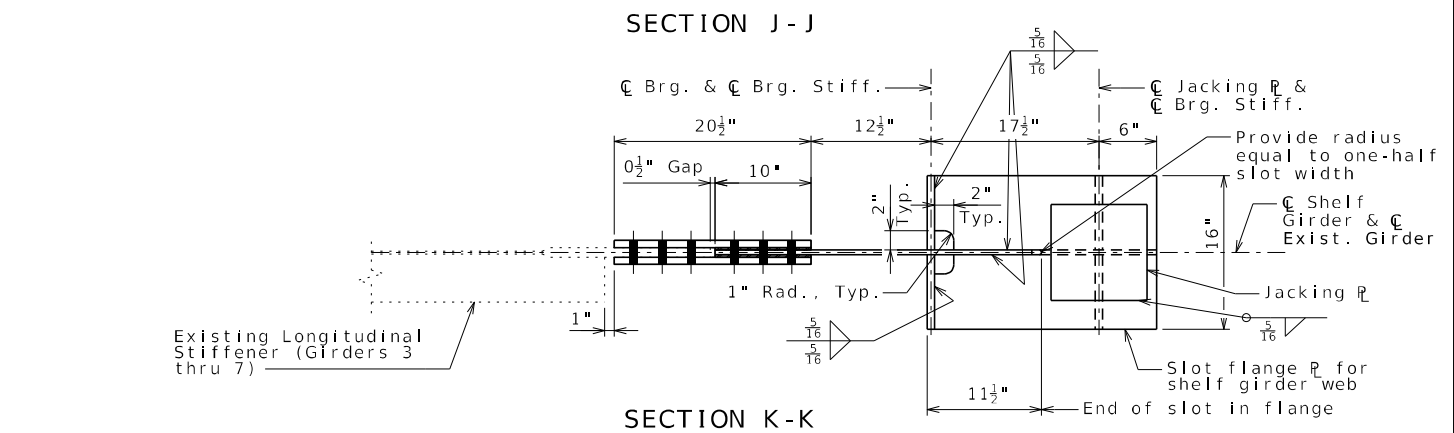
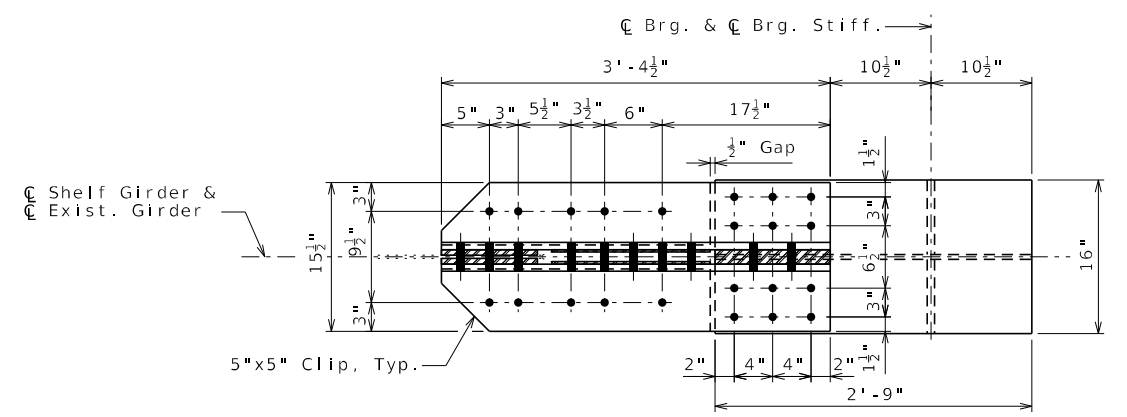
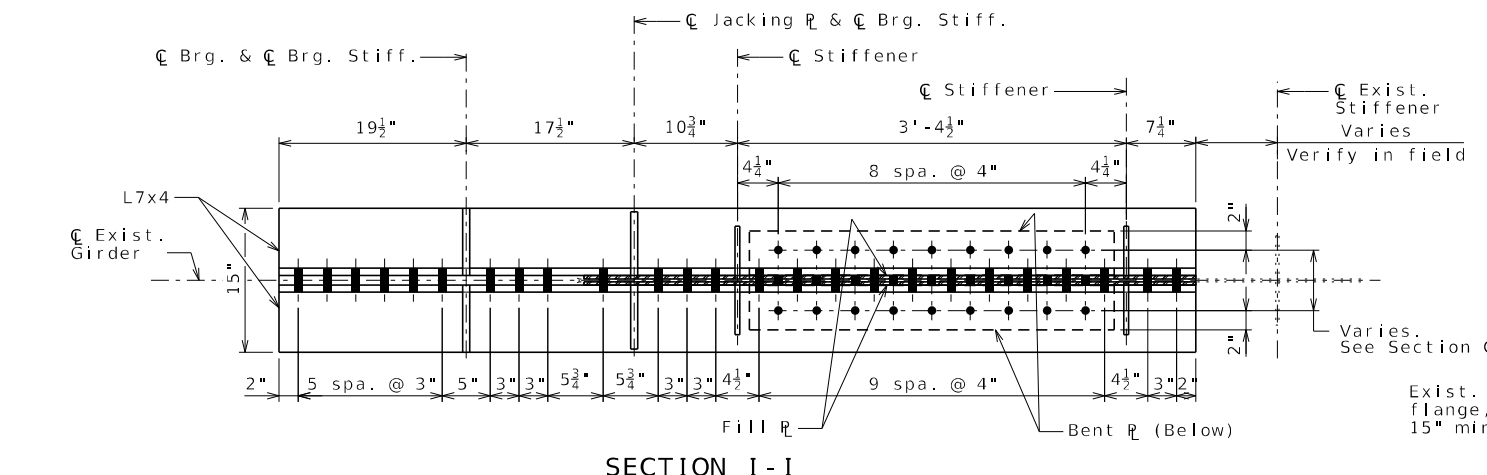
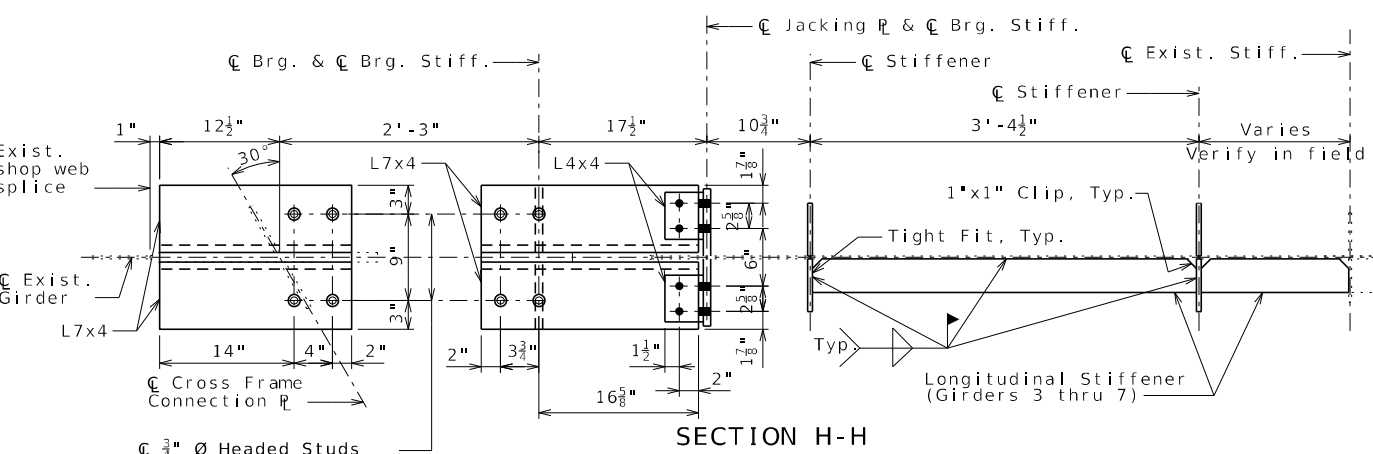
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t: +1.618.406.2385
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Note: Stop welds 1/4" (± 1/8") from edges.

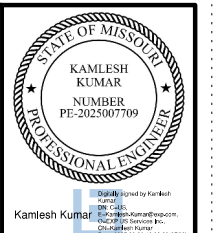


HINGE MODIFICATION NEAR BENT NO. 15 - DETAIL 3

Note: This drawing is not to scale. Follow dimensions. Sheet No. 13 of 32

Notes:
For notes, see Sheet No. 11.

Detailed May 2025
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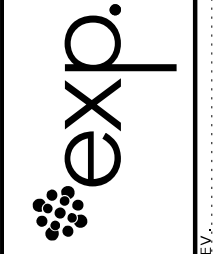
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 13
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06093	

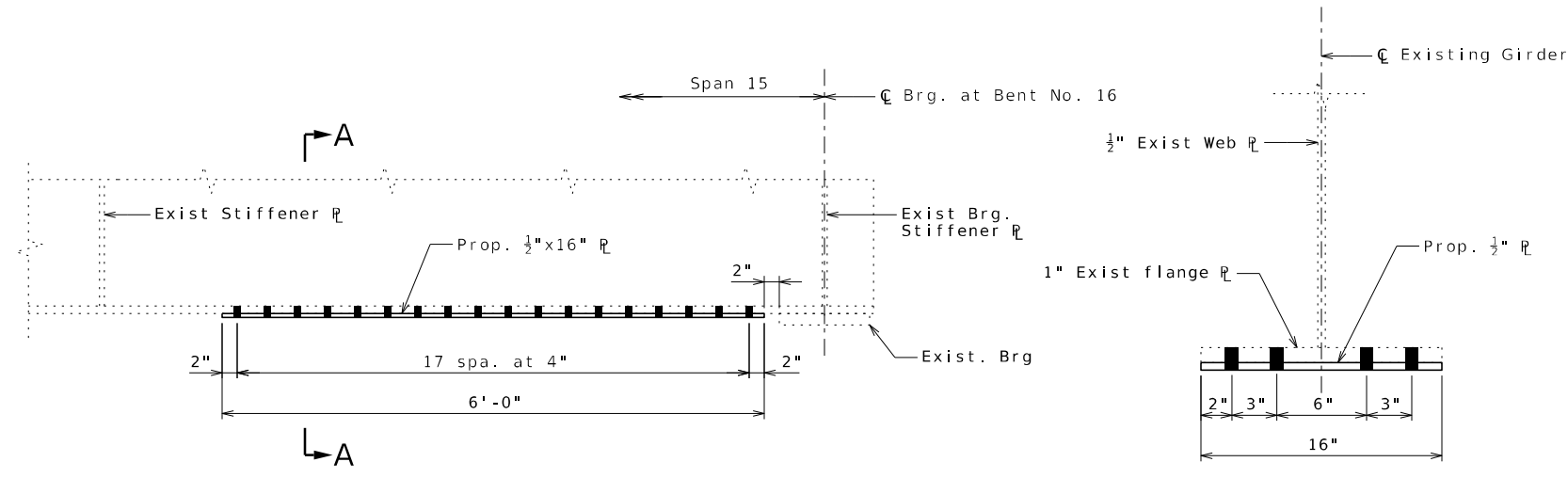
DESCRIPTION	DATE

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PART ELEVATION OF BEAM REPAIR AT GIRDER 8 NEAR END BENT NO. 16

SECTION A-A

Notes:

The cost of furnishing all materials and labor necessary for steel repairs including structural steel, bolts and incidental work, complete in place, will be considered completely covered by the contract unit price for Fabricated Structural Carbon Steel (Misc.) per pound.

All structural steel shall be ASTM A709 Grade 36, unless noted otherwise.

Fabricated Steel Connection Notes:

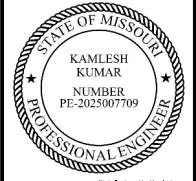
Field connections shall be made with 7/8" diameter high strength bolts and 15/16" diameter holes, except as noted.

High strength bolts, nuts and washers will be sampled for quality assurance as specified in Sec 106.

MISCELLANEOUS STEEL REPAIRS

Note: This drawing is not to scale. Follow dimensions. Sheet No. 14 of 32

Detailed May 2025
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Kamlesh Kumar
Professional Engineer
PE-2025007709

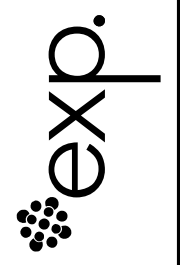
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 14
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06093	

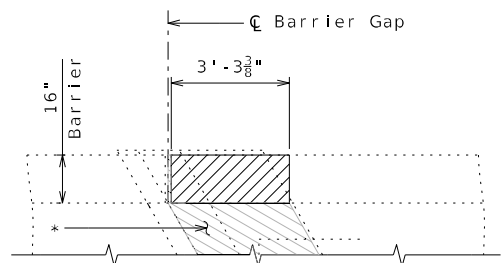
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

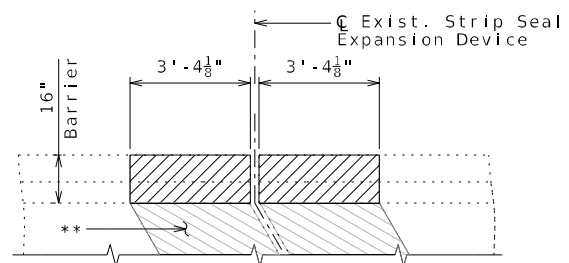
105 WEST CAPITOL
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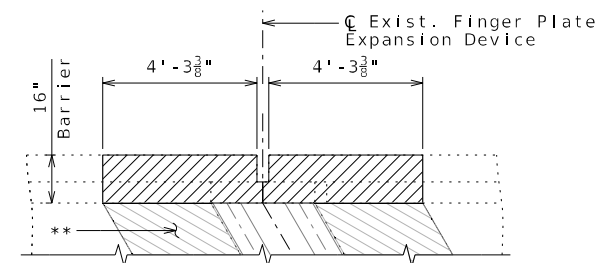




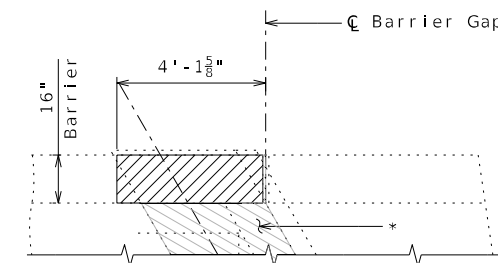
END BENT NO. 1



HINGE NO. 4
Hinge No. 7 similar.

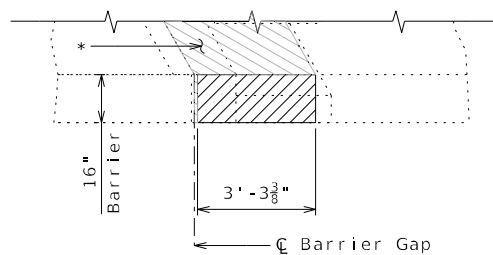


HINGE NO. 11
Hinge No. 15 similar.

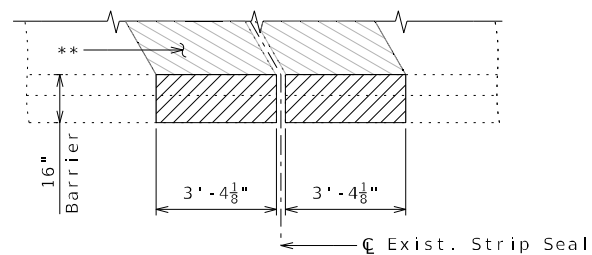


END BENT NO. 16

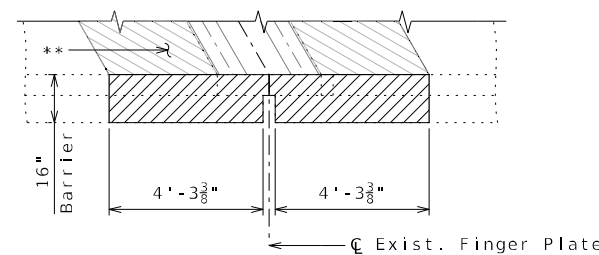
PART PLAN SHOWING STAGE 3 BARRIER REMOVAL



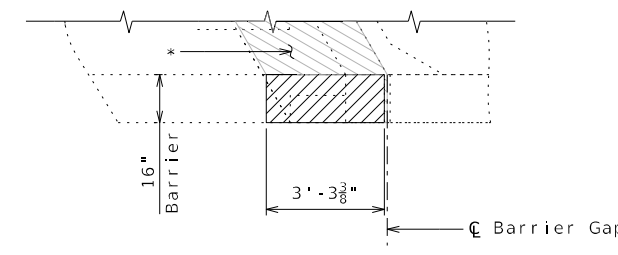
END BENT NO. 1



HINGE NO. 4
Hinge No. 7 similar.

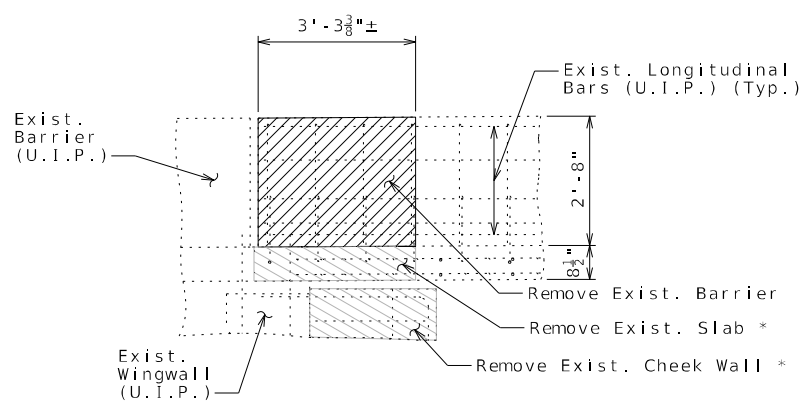


HINGE NO. 11
Hinge No. 15 similar.

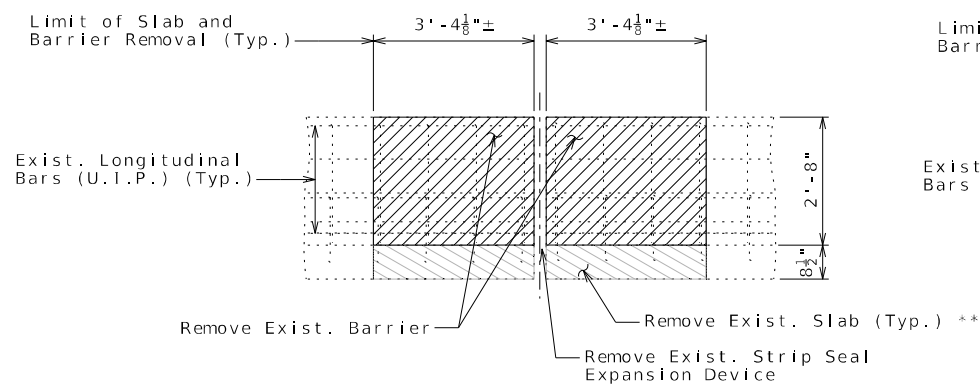


END BENT NO. 16

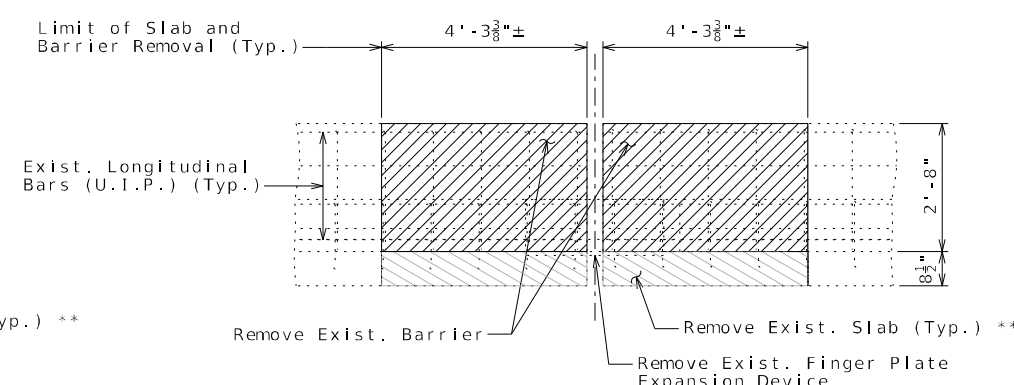
PART PLAN SHOWING STAGE 4 BARRIER REMOVAL



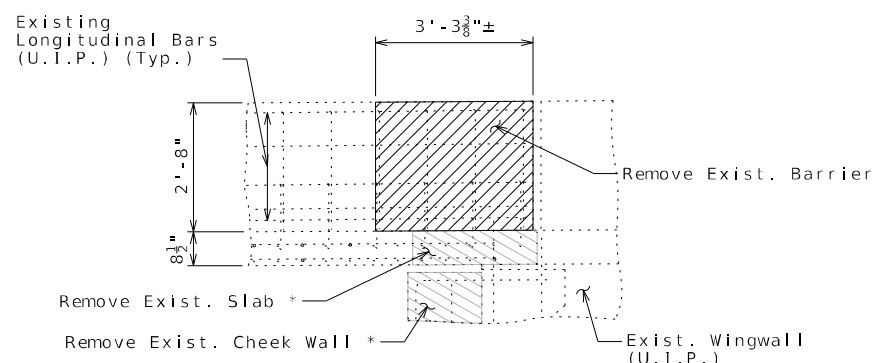
PART ELEVATION OF BARRIER REMOVAL AT BENT NO. 1



PART ELEVATION OF BARRIER REMOVAL AT HINGE NO. 4
Hinge No. 7 similar.



PART ELEVATION OF BARRIER REMOVAL AT HINGE NO. 11
Hinge No. 15 similar.



PART ELEVATION OF BARRIER REMOVAL AT BENT NO. 16

Notes:

- * Slab or Cheek Wall Removal, See Sheet No. 21 for limits and details.
- ** Slab Removal, See Sheet No. 17 for limits and details.

For details of barrier replacement, see Sheet No. 16.

Bars bonded in existing concrete not to be removed shall be stripped clean and embedded in new concrete.

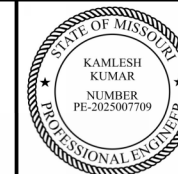
The cost of all labor, materials and equipment for the removal and replacement of existing barrier including reinforcement, and all new concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Remove and Replace Barrier per linear foot.

BARRIER REMOVAL

Detailed May 2025
Checked July 2025

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 15 of 32



Kamlesh Kumar
Professional Engineer
No. 2023007709

DATE PREPARED
8/6/2025

ROUTE
I-55

STATE
MO

DISTRICT
BR

SHEET NO.
15

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06093

DESCRIPTION

DATE

REVISION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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Missouri Certificate of
Authority: F01144526





Kamlesh Kumar
Professional Engineer
Missouri License Number PE-2025007709

DATE PREPARED
8/6/2025

ROUTE I-55 STATE MO
DISTRICT BR SHEET NO. 17

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

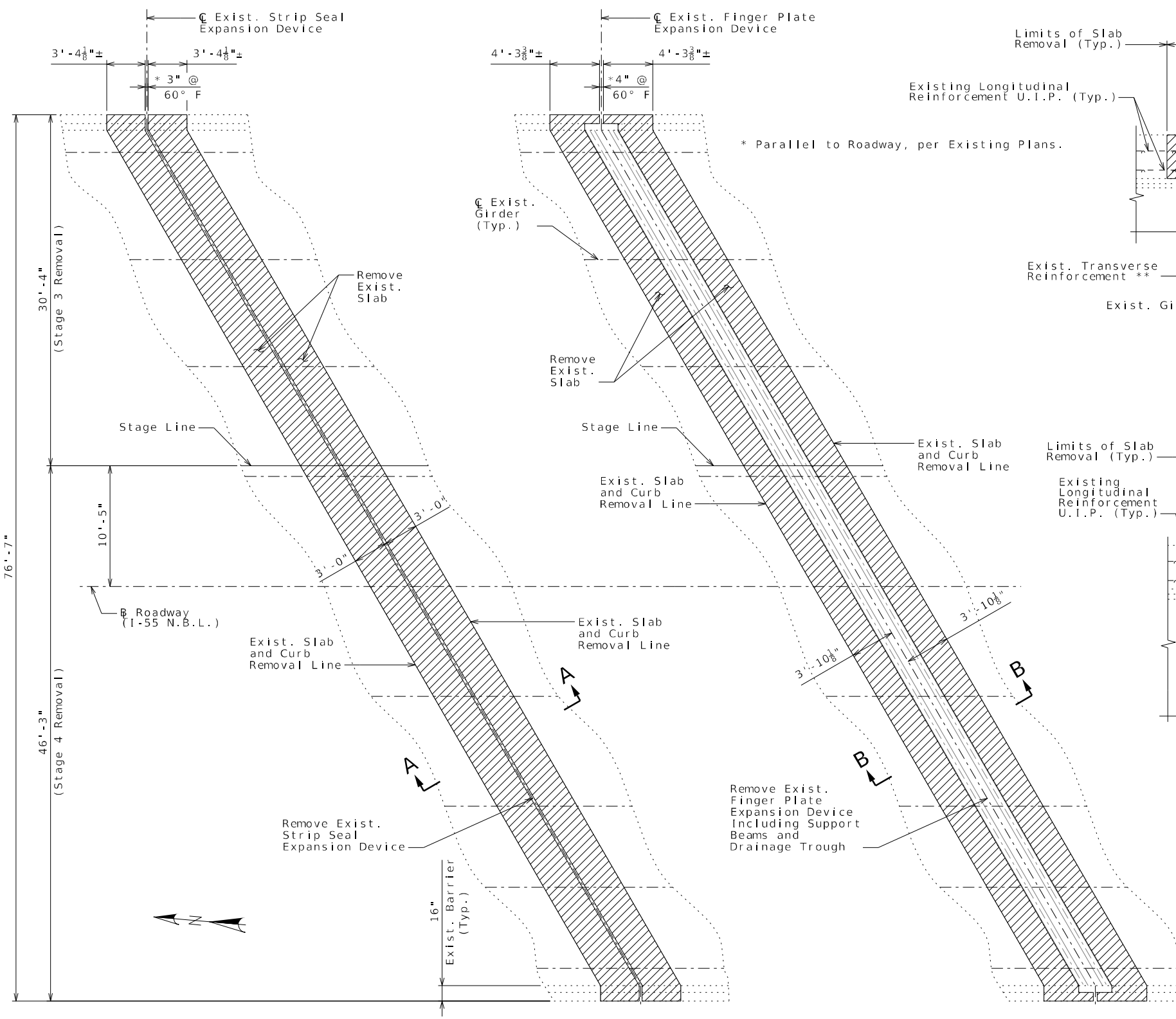
BRIDGE NO.
A06093

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

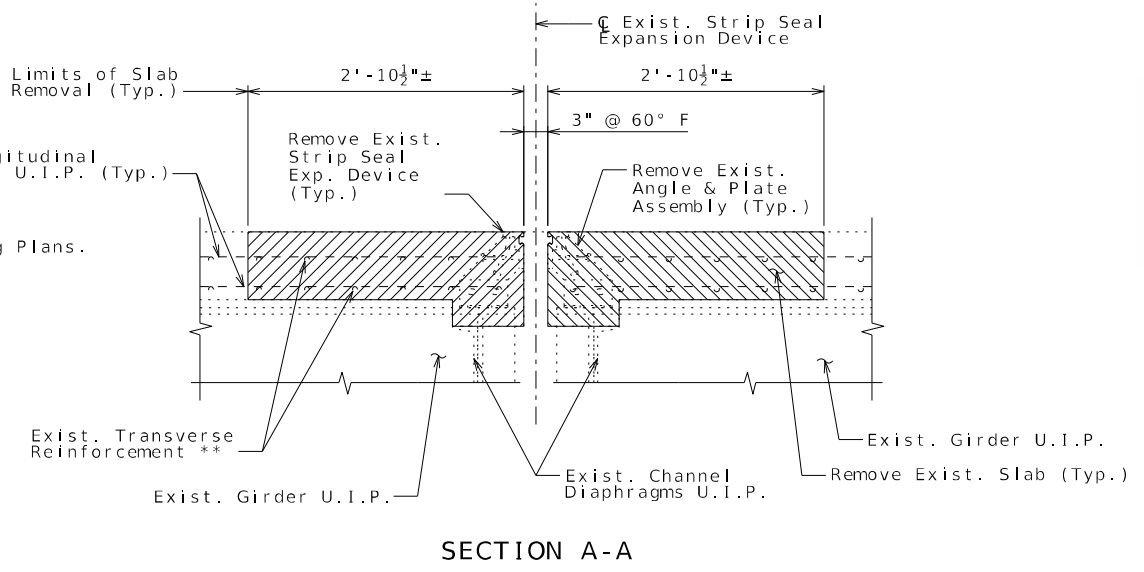
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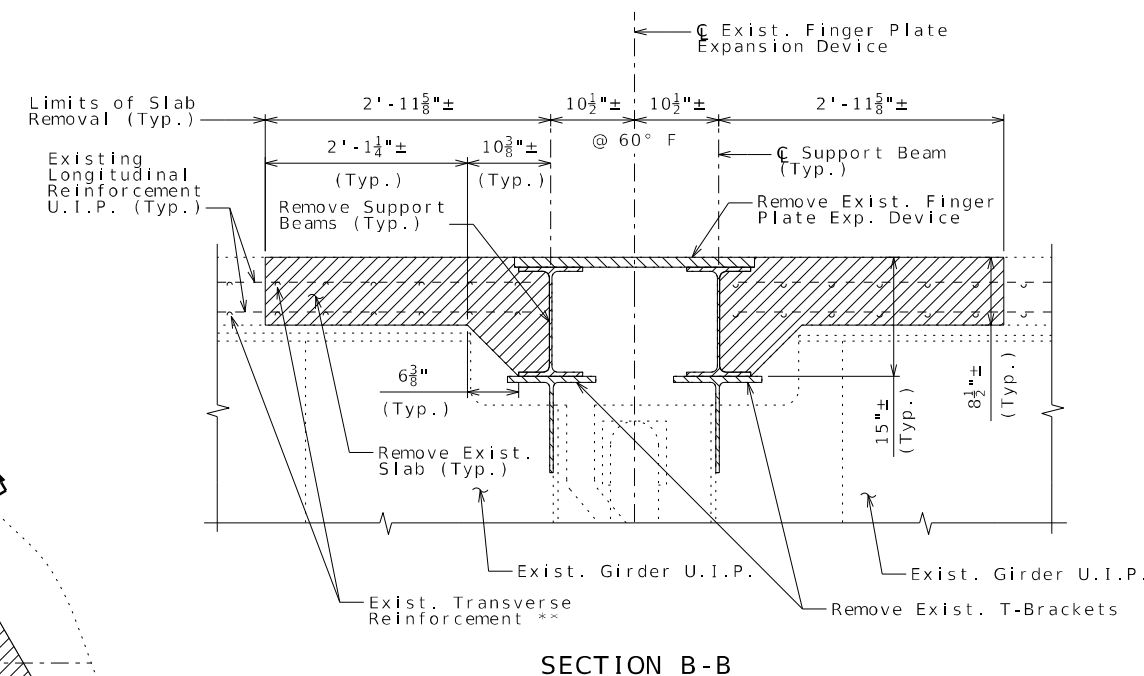


PART PLAN OF SLAB AT HINGE NO. 4
Hinge No. 7 similar.

PART PLAN OF SLAB AT HINGE NO. 11
Hinge 15 no. similar.
Transverse dimensions are the same as shown for Hinge No. 4.



SECTION A-A

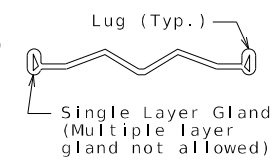
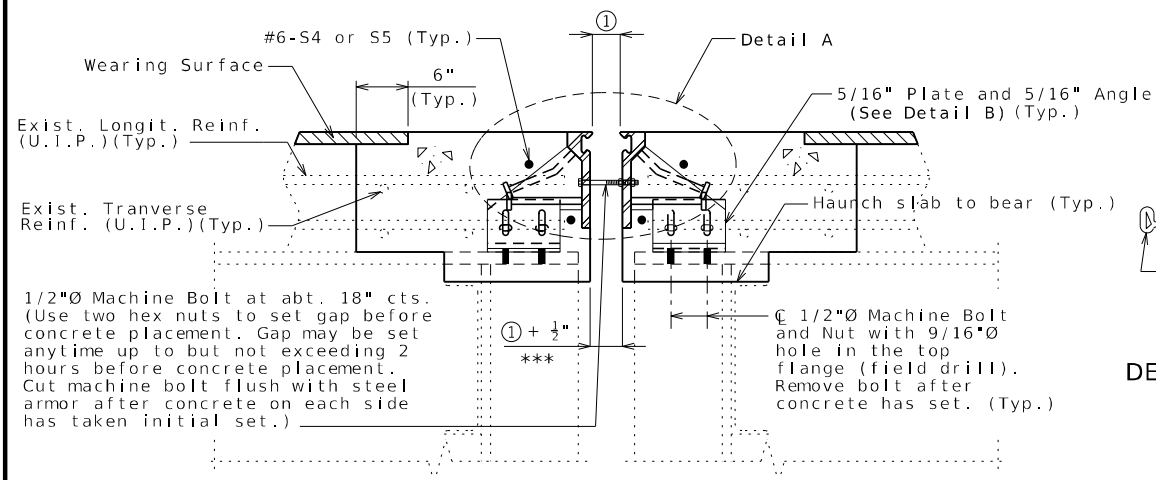


SECTION B-B

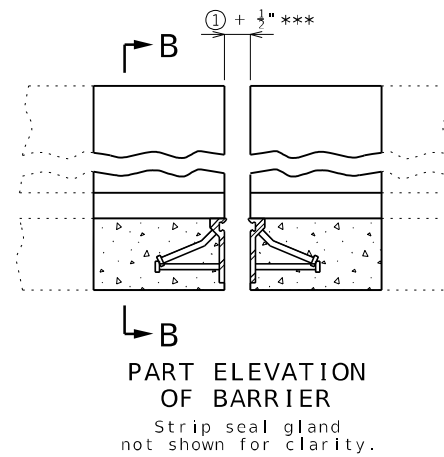
** Existing transverse reinforcement shall be used in place. If concrete removal exposes the entire length of the bar, it shall be replaced in kind.

- Notes:
- Bars bonded in existing concrete not to be removed shall be stripped clean and embedded in new concrete.
 - For details of expansion joint replacement, see Sheets No. 18 thru 20.
 - For details of barrier removal, see Sheet No. 15.
 - For details of barrier replacement, see Sheet No. 16.

The cost of all labor, materials and equipment for the removal of existing finger plate expansion devices including drainage troughs and support beams, existing strip seal expansion devices including angle and plate assemblies and concrete slab including reinforcement shall be considered completely covered by the contract unit price for Removal of Existing Expansion Joints and Adjacent Concrete per linear foot.



DETAIL OF GLAND



PART ELEVATION OF BARRIER

Strip seal gland not shown for clarity.

GENERAL NOTES:

Expansion joint system shall be fabricated in one section, except for staged construction and when the length is over 50 feet. A complete joint penetration groove welded splice shall be required. Welds shall be ground flush to provide a smooth surface. The expansion joint system shall be fabricated and installed to the crown and grade of the roadway.

The strip seal gland shall be installed in joints in one continuous piece without field splices. Factory splicing will be permitted for joints in excess of 53 feet.

Structural steel for the expansion joint system shall be ASTM A709 Grade 36 except the steel armor may be ASTM A709 Grade 50W. Anchors for the expansion joint system shall be in accordance with Sec 1037. Strip seal expansion joint system shall be in accordance with Sec 717.

Structural steel for the expansion joint system shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Concrete shall be forced under and around steel armor and anchors. Proper consolidation of the concrete shall be achieved by localized internal vibration.

② The installation temperature shall be taken as the actual air temperature averaged over the 24-hour period immediately preceding installation.

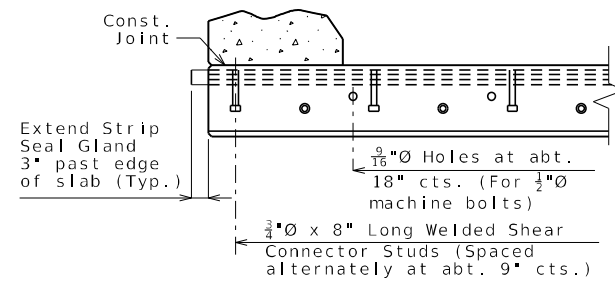
③ MoDOT Construction personnel will indicate the strip seal expansion joint system installed.

Steel armor may also be referred to as extrusion or rail.

The terms P and R rail are used for identification only, and are not endorsements for any particular manufacturer.

*** Because of variation in armor dimensions, the concrete opening will vary if the optional R rail is used. Dimensions shown are based on the P rail option.

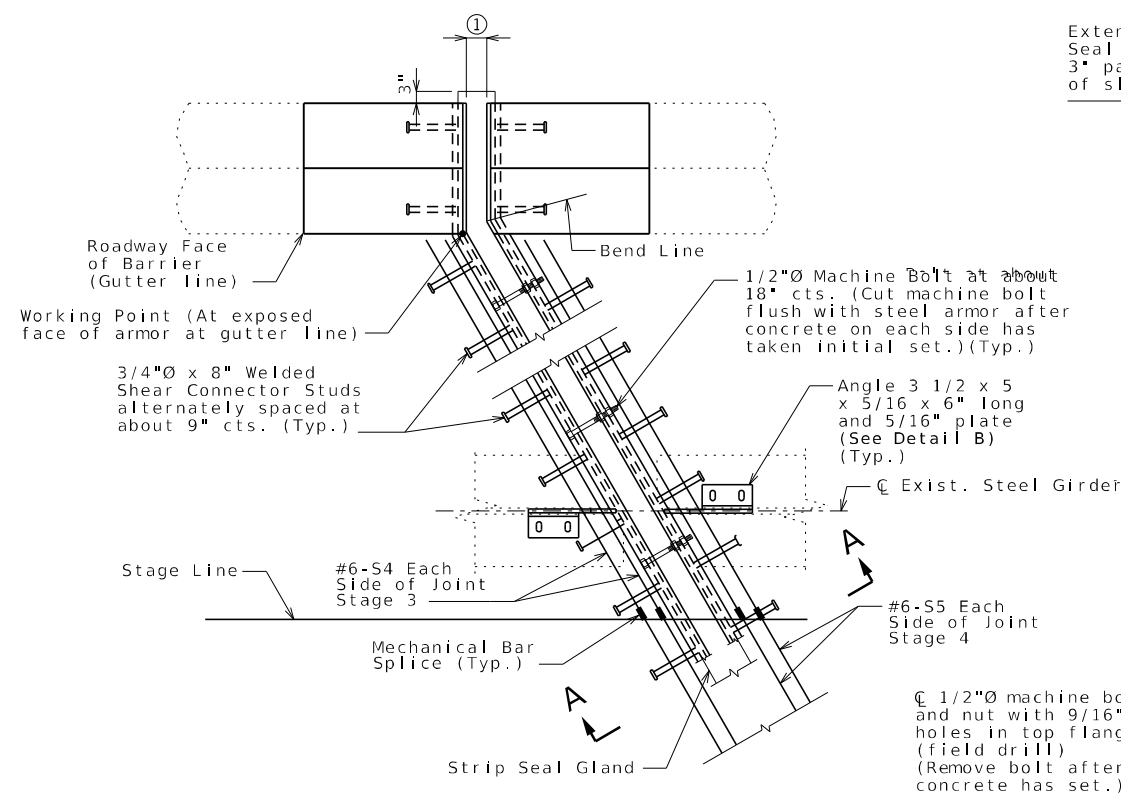
Cost for slab concrete, complete in place, for expansion joint replacement will be considered completely covered by the contract unit price for Class B-2 Concrete.



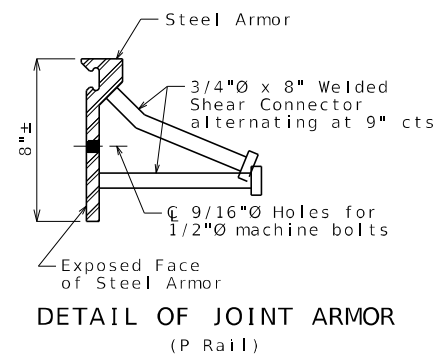
PART SECTION B-B

* Verify dimension with shop drawings and/or in the field

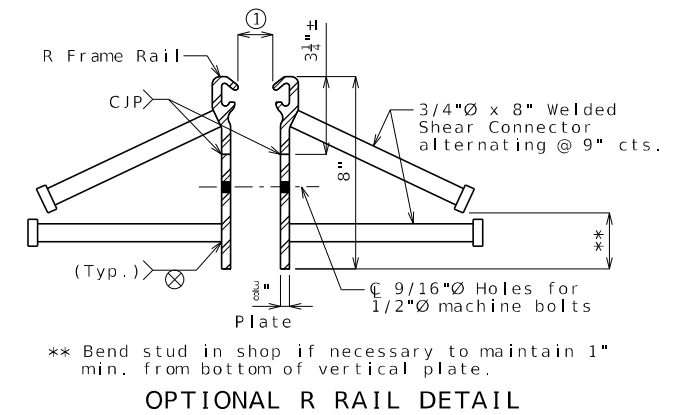
SECTION A-A
Strip seal gland not shown for clarity.



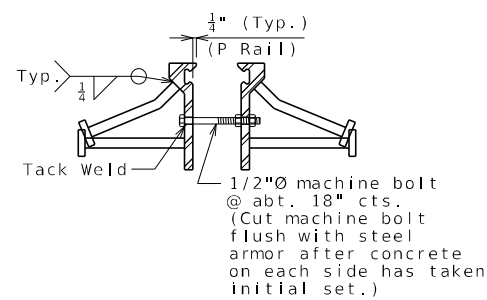
PART PLAN



DETAIL OF JOINT ARMOR (P Rail)

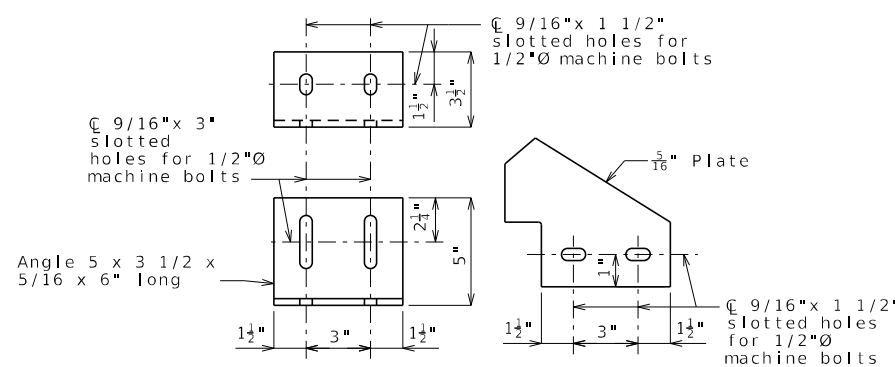


OPTIONAL R RAIL DETAIL



DETAIL A

(P Rail shown, R Rail similar)



DETAIL B

Table of Allowed Transverse Strip Seal Expansion Joint System										
Manufacturer	Strip Seal System (Designated Name)	Hinge No.	Movement Parallel to RDWY	① Allowed Installation Gap @ Air/Surface Temperature ②						③
				@ 40°F	@ 50°F	@ 60°F	@ 70°F	@ 80°F	@ 90°F	
D S Brown	Strip seal L2-500	4	3 5/8"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1 3/8"	□
		7	2 7/8"	2 1/4"	2 1/4"	2"	1 3/4"	1 1/2"	1 1/2"	□

STRIP SEAL EXPANSION JOINT SYSTEM AT HINGES NO. 4 & 7

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 18 of 32

Detailed May 2025
Checked July 2025



Kamlesh Kumar
Professional Engineer

DATE PREPARED

8/6/2025

ROUTE I-55 STATE MO

DISTRICT BR SHEET NO. 18

COUNTY ST LOUIS/JEFFERSON

JOB NO. J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A06093

DESCRIPTION

DATE

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Professional Engineer
No. 2025007709

DATE PREPARED
8/6/2025

ROUTE I-55 STATE MO

DISTRICT BR SHEET NO. 20

COUNTY ST LOUIS / JEFFERSON

JOB NO. J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A06093

DESCRIPTION

DATE

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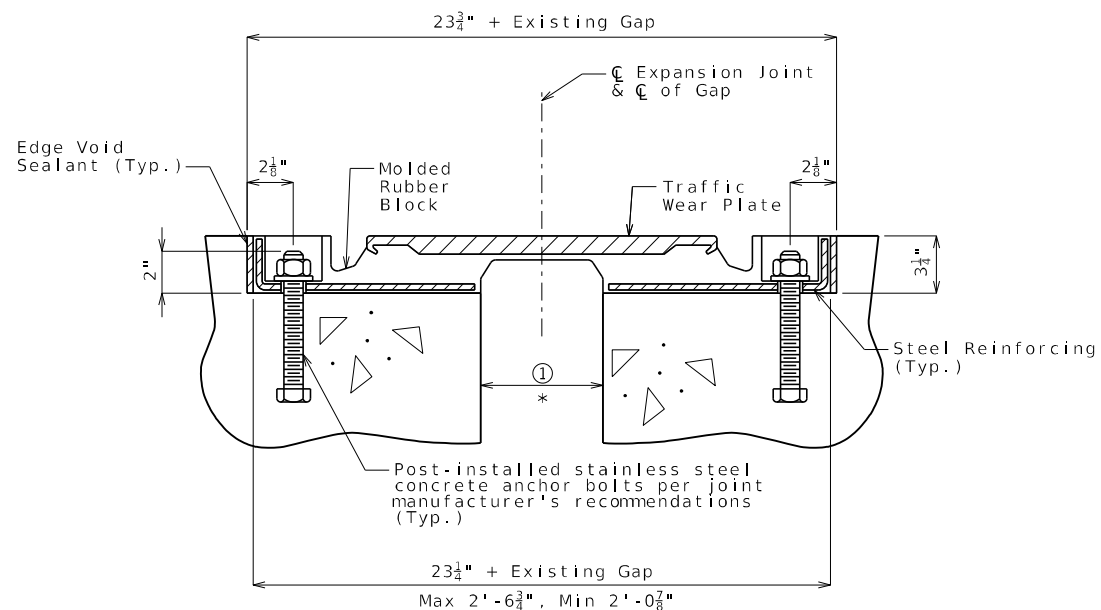
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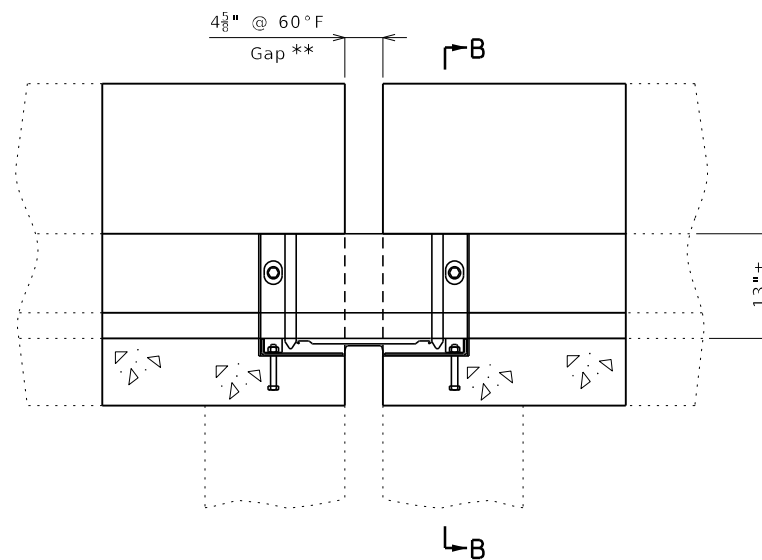
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exp.

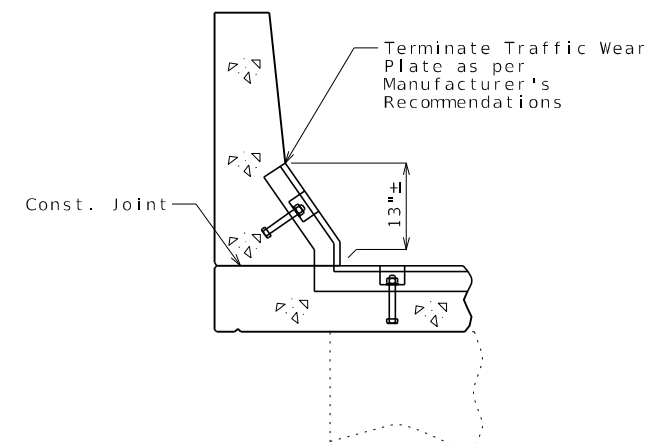


SECTION THRU JOINT
All dimension are shown normal to joint

*Joint opening shall be adjusted 3/8" for each 10 degree fall or rise in temperature at time of construction.



PART ELEVATION OF BARRIER
** Parallel to Roadway



PART SECTION B-B

Notes:

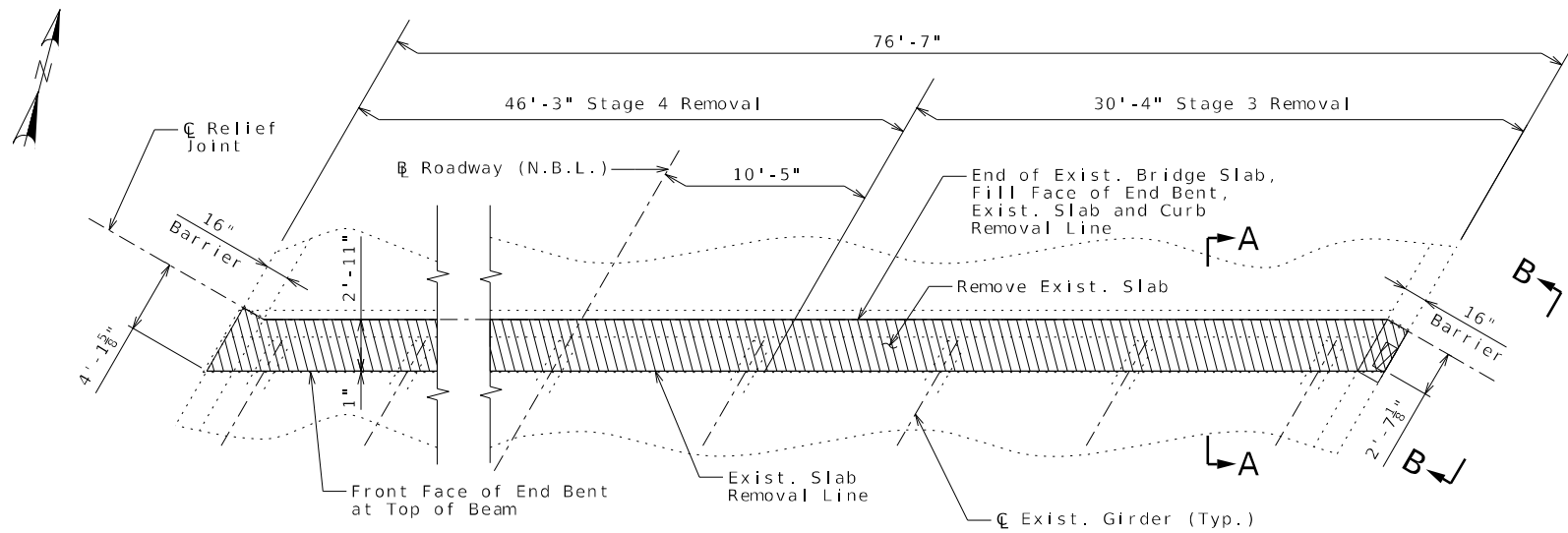
- ② The installation temperature shall be taken as the actual air temperature averaged over the 24-hour period immediately preceding installation.
- Replacement expansion joint shall be a WaboFlex Model SR6.5A as manufactured by Watson Bowman Acme Corp., Amherst, New York. The new joint is to be installed per manufacturer's recommendations.
- The expansion device shall be fabricated to match the crown of the roadway.
- All hardened washers, lock washers and nuts shall be galvanized in accordance with AASHTO M232 (ASTM A153), Class C.
- Block-out dimensions shown are only applicable for a Wabo Flex Model SR 6.5A.
- For Construction Staging, see Sheet No. 5.

Table of Allowed Transverse Segmental Expansion Joint System: Hinge No. 11 and Hinge No. 15

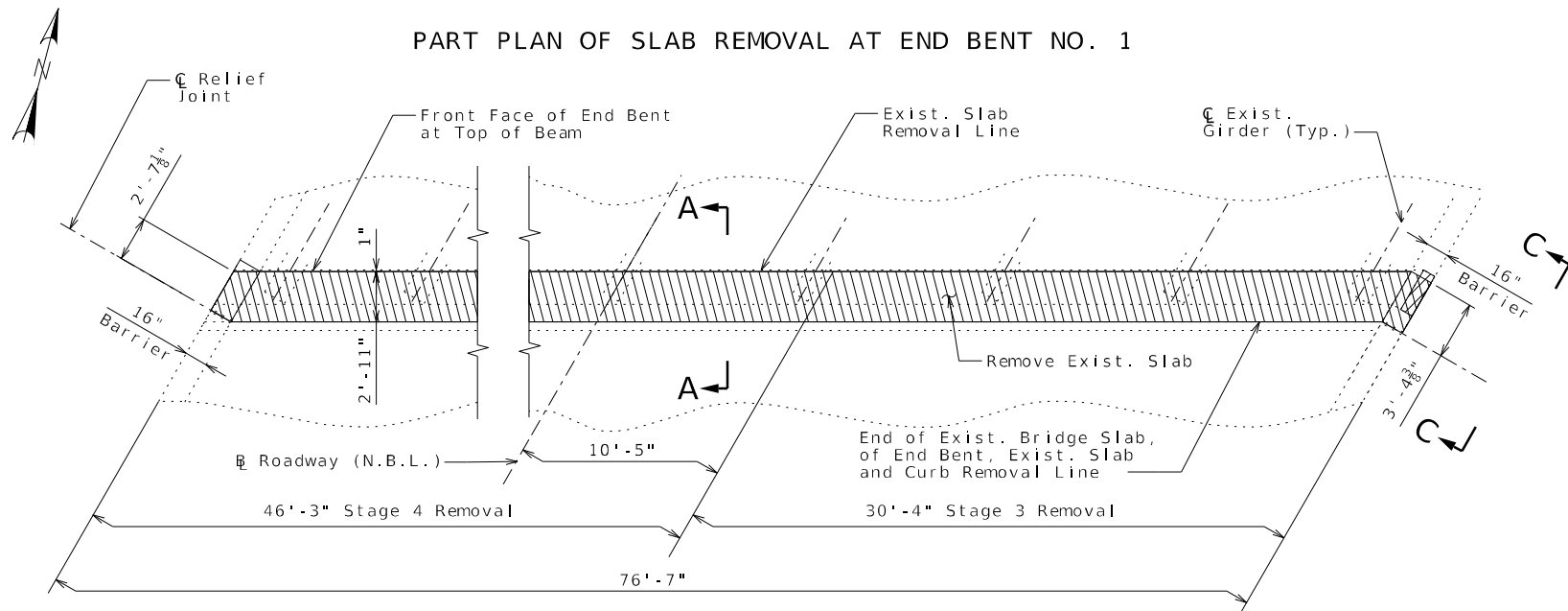
Manufacturer	Segmental Expansion Joint System (Designated Name)	Movement Parallel to RDWY		Allowed Installation Gap ① Normal to Joint at RDWY Surface @ Air/Surface Temperature ②															
				Hinge 11		Hinge 15		@ 40°F		@ 50°F		@ 60°F		@ 70°F		@ 80°F		@ 90°F	
				Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15
Watson Bowman Acme (Wabo)	Wabo Flex Model SR 6.5A	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15	Hinge 11	Hinge 15		
		6 13/16"	6"	4 13/16"	4 11/16"	4 3/8"	4 3/8"	4"	4"	3 5/8"	3 5/8"	3 3/16"	3 5/16"	2 13/16"	2 15/16"				

SEGMENTAL EXPANSION JOINT SYSTEM DETAILS

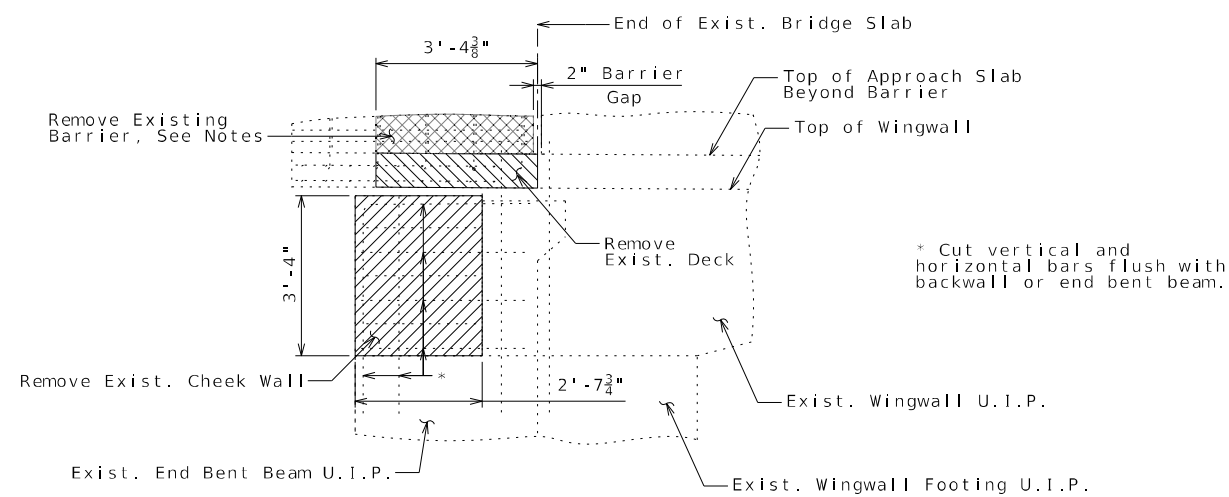
Note: This drawing is not to scale. Follow dimensions. Sheet No. 20 of 32



PART PLAN OF SLAB REMOVAL AT END BENT NO. 1

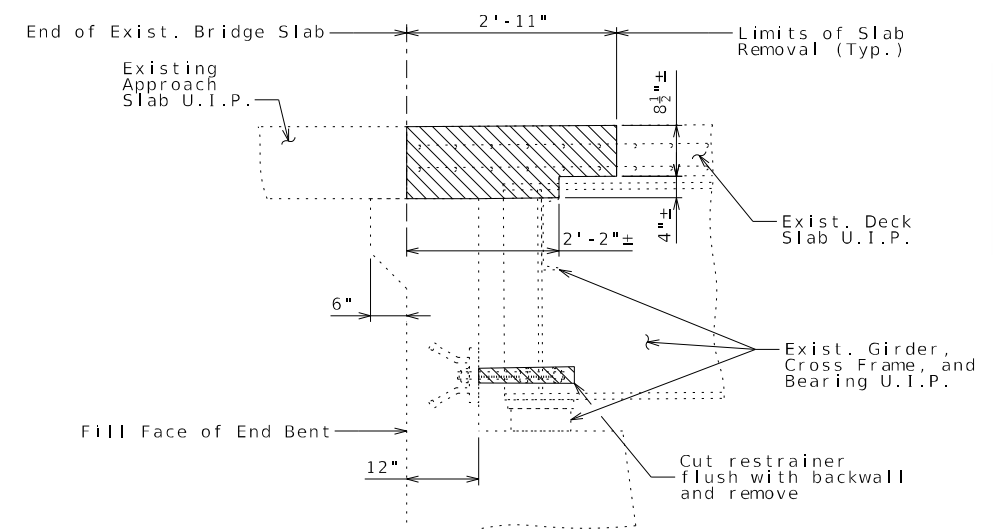


PART PLAN OF SLAB REMOVAL AT END BENT NO. 16

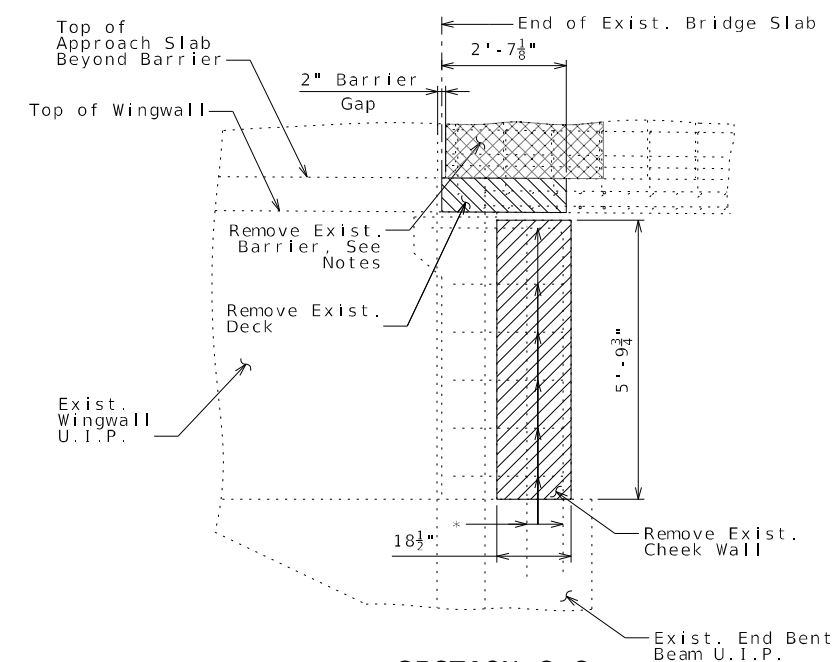


SECTION B-B

Only relevant reinforcement shown for clarity.



SECTION A-A



SECTION C-C

Only relevant reinforcement shown for clarity.

Notes:

Bars bonded in existing concrete not to be removed shall be stripped clean and embedded in new concrete.

For details of diaphragm construction, see Sheets No. 22 thru 25.

For details of barrier removal, see Sheet No. 15.

For details of barrier replacement, see Sheet No. 16.

The cost of all labor, materials and equipment for the removal of concrete slab and cheek walls, including reinforcement, shall be considered completely covered by the contract unit price for Removal of Existing Expansion Joints and Adjacent Concrete per linear foot.

Detailed May 2025
Checked July 2025

REMOVAL DETAILS FOR ABUTMENT DIAPHRAGMS

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 21 of 32



Kamlesh Kumar
Professional Engineer

DATE PREPARED
8/6/2025

ROUTE
I-55

STATE
MO

DISTRICT
BR

SHEET NO.
21

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06093

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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Detailed May 2025

Checked July 2025

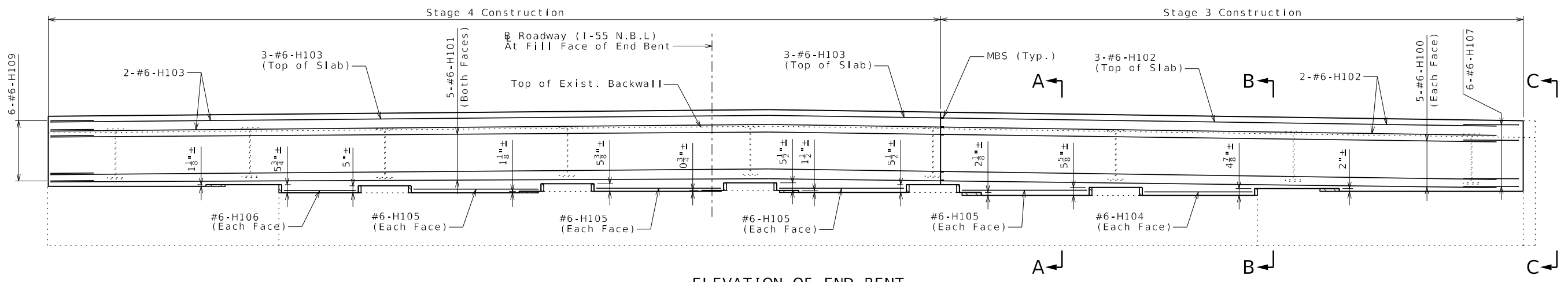
REMOVAL DETAILS FOR ABUTMENT DIAPHRAGMS

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 21 of 32

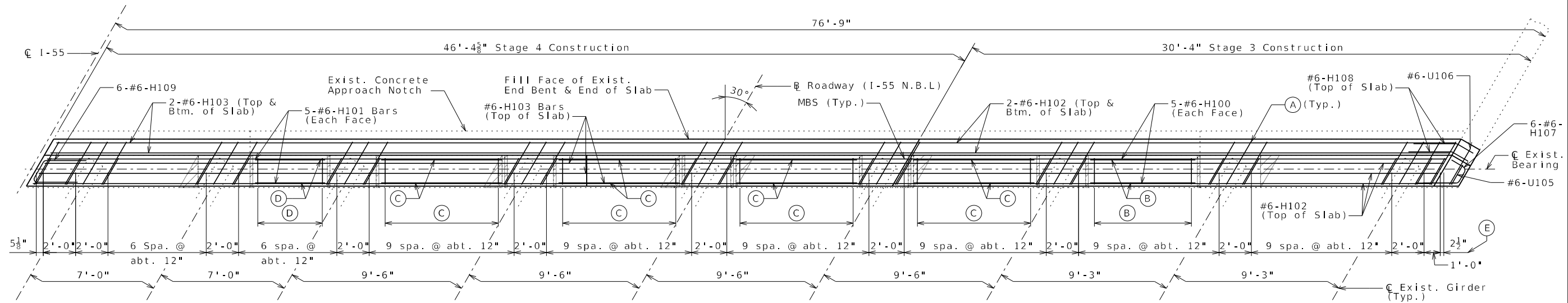
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8/6/2025



ELEVATION OF END BENT

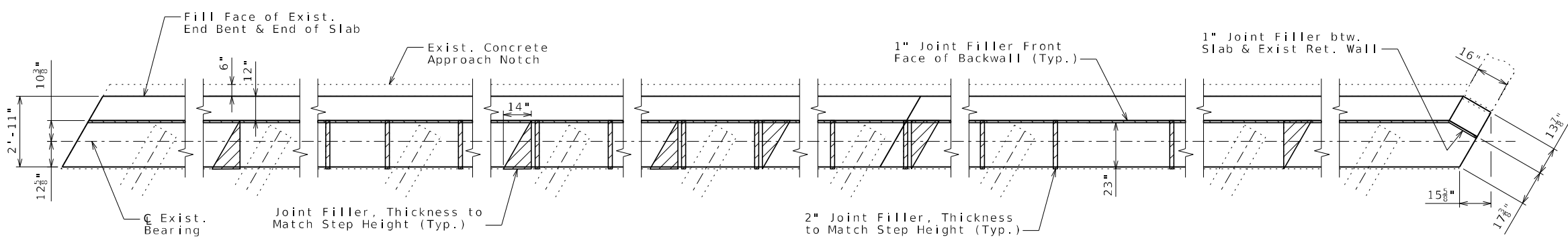
Existing bearings and diaphragms not shown for clarity (U.I.P.).
Diaphragm U-Bars and existing piles not shown for clarity.



PART PLAN SHOWING CONCRETE DIAPHRAGM

Horizontal dimensions measured along \bar{C} bearing.

- (A) 1-#6-U100 & U101, Each Beam (Typ.)
- (B) 1-#6-H104, 6-#6-U104 @ 12" cts.
- (C) 1-#6-H105, 6-#6-U104 @ 12" cts.
- (D) 1-#6-H106, 4-#6-U104 @ 12" cts.
- (E) #6-U101, U102 & U103 spacing



PART PLAN SHOWING ADDITIONAL DIMENSIONS AND JOINT FILLER

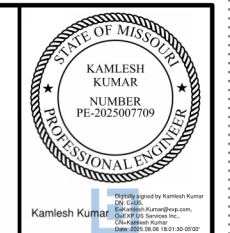
Notes:

- For Sections A-A thru C-C, see Sheet No. 23.
- For details of End Bent No. 1 not shown and additional notes, see Sheet No. 23.
- For details of staged construction, see Sheet No. 5.
- All U Bars in End Bent, except for U104, shall be placed parallel to \bar{C} of Bridge. Bar U104 shall be placed normal to the \bar{C} of bearing.
- Bend H100 and H101 bars in the field as necessary.
- MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

END BENT NO. 1 DIAPHRAGM

Note: This drawing is not to scale. Follow dimensions. Sheet No. 22 of 32

Detailed May 2025
Checked July 2025



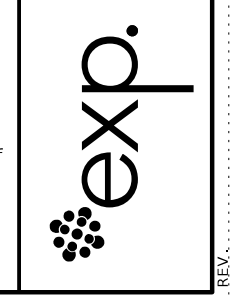
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DISTRICT BR	SHEET NO. 22
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06093	

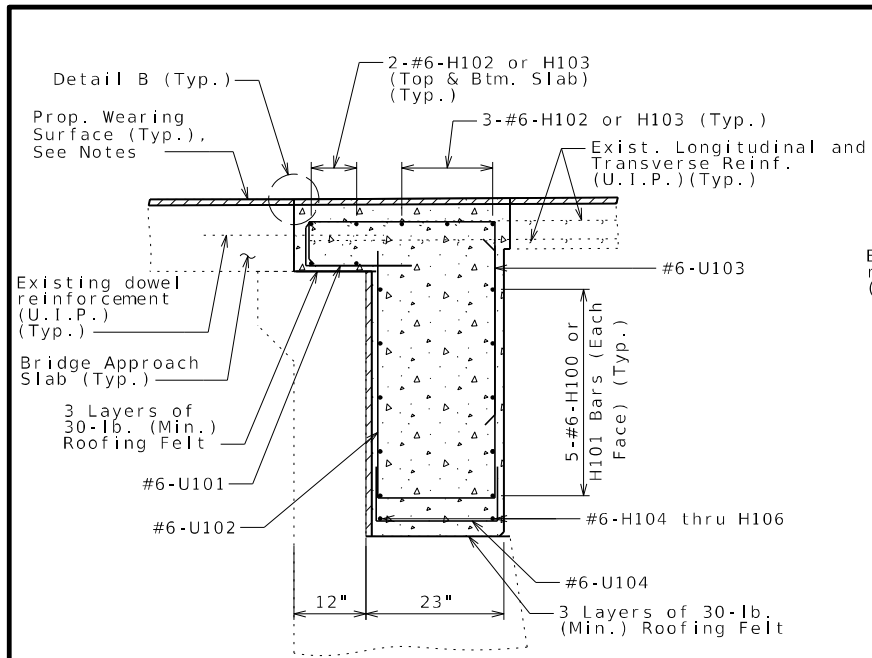
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

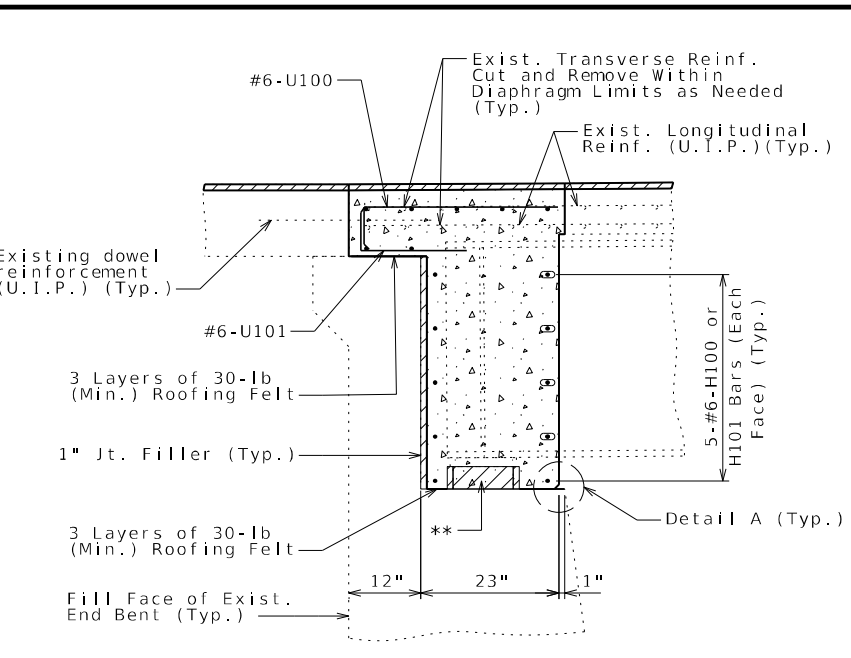
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
600 Washington Ave.
Suite 1700
St. Louis, MO 63101
t: +1.618.406.2385
Missouri Certificate of Authority: F01144526



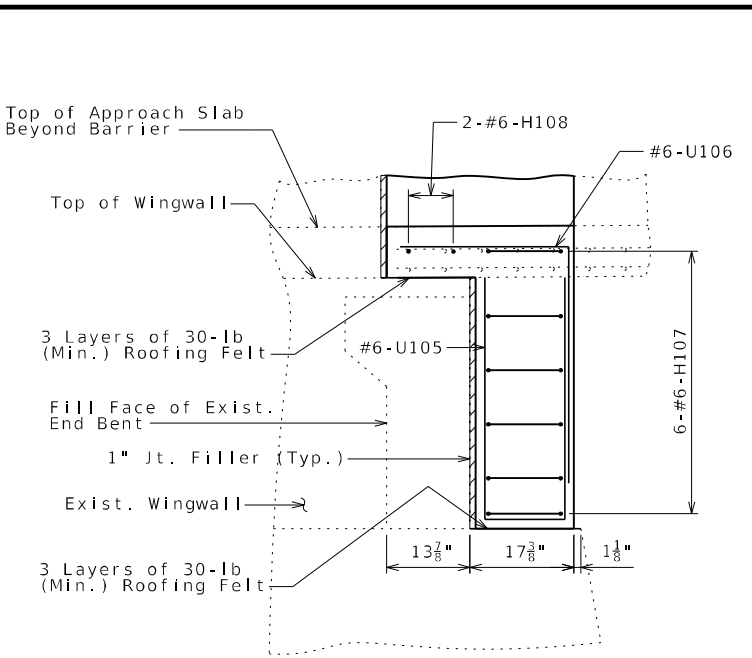


SECTION A-A



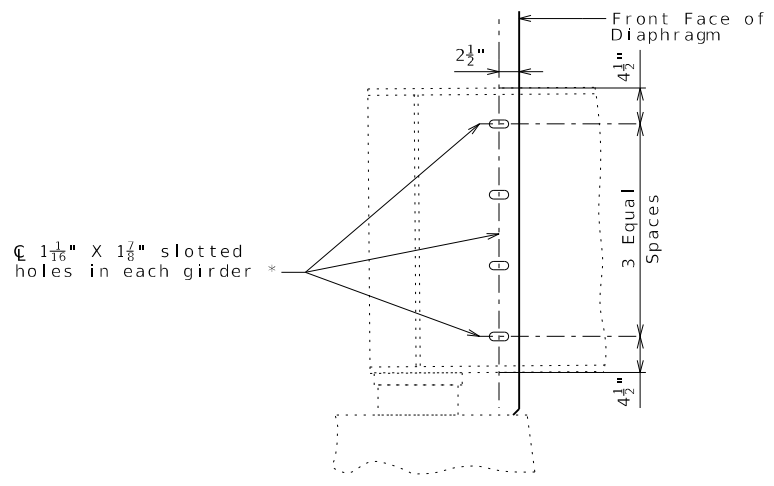
SECTION B-B

Existing steel cross frame not shown for clarity.
 **Cut exist. anchor bolts flush with top of beam cap. Place 1" jt. filler on all 4 vertical faces of the bearing pad.



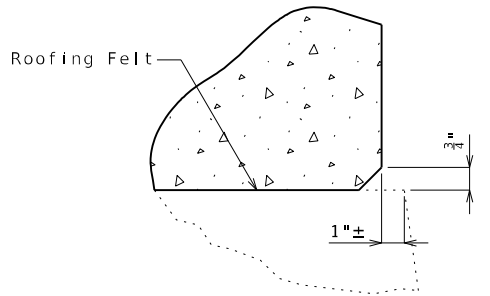
ELEVATION C-C

Existing and proposed barrier reinforcement not shown for clarity.

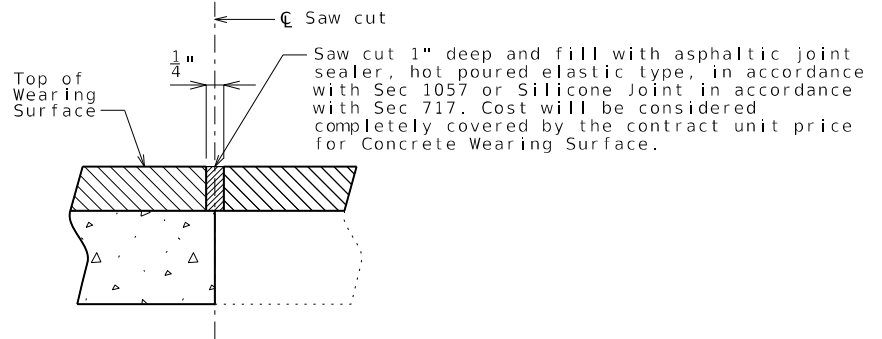


DETAIL OF WEB HOLES

* Cost of field drilling holes in existing webs will be considered completely covered by the contract unit price for Class B-2 Concrete.



DETAIL A



DETAIL B

END BENT NO. 1 DETAILS

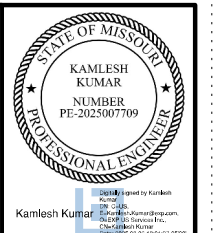
Note: This drawing is not to scale. Follow dimensions. Sheet No. 23 of 32

Notes:
 Work this sheet with Sheet No. 22.
 Any epoxy coated #6 Grade 60 reinforcing bar shall be substituted for the 3/4"Ø threaded rod.
 All concrete at end bents is included in the Estimated Quantities for Class B-2 Concrete.
 The exposed and accessible surfaces of the existing structural steel and bearings that will be encased in concrete shall be cleaned with a minimum of SSPC-SP-3 surface preparation and coated with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) in accordance with Sec 1081 to produce a dry film thickness of not less than 3 mils before concrete is poured. The surface preparation and coating for stringers shall extend a minimum of one foot outside the face of the stringer encasement. Payment for cleaning and coating steel to be encased in concrete will be considered completely covered by the contract unit price for Class B-2 Concrete.

For details and reinforcement of Barrier at End Bents, see Sheet No. 16.
 The H100 and H101 bars are segmented bars for ease of placement of bars through stringer web holes between stringers. The total bar lengths for H101 bars shown in Bill of Reinforcing Steel allow for one splice with a lap splice length of 3'-6". Actual bar segment lengths to be determined by contractor for ease of installing bars. The contractor may use a mechanical bar splice in lieu of a lap splice. When a mechanical bar splice is used, the actual bar segment lengths will be determined by the contractor to accommodate manufacturer's recommendations for installation and ease of construction. The cost of furnishing and installing the bar splices will be considered completely covered by the contract unit price for Class B-2 Concrete. No adjustment of the quantity of reinforcing steel will be allowed for the use of mechanical bar splices.

See Sheets No. 3 and 4 for wearing surface details. Top of diaphragm shall be poured to final grade prior to scarification and/or surface hydro demolition.

Detailed May 2025
 Checked July 2025



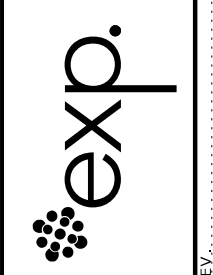
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 23
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06093	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
 600 Washington Ave.
 Suite 1700
 St. Louis, MO 63101
 t: +1-618-406-2385
 Missouri Certificate of Authority: F01144526





Kamlesh Kumar
Professional Engineer
Missouri License Number PE-2025007709

DATE PREPARED
8/6/2025

ROUTE
I-55 STATE
MO

DISTRICT
BR SHEET NO.
24

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06093

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

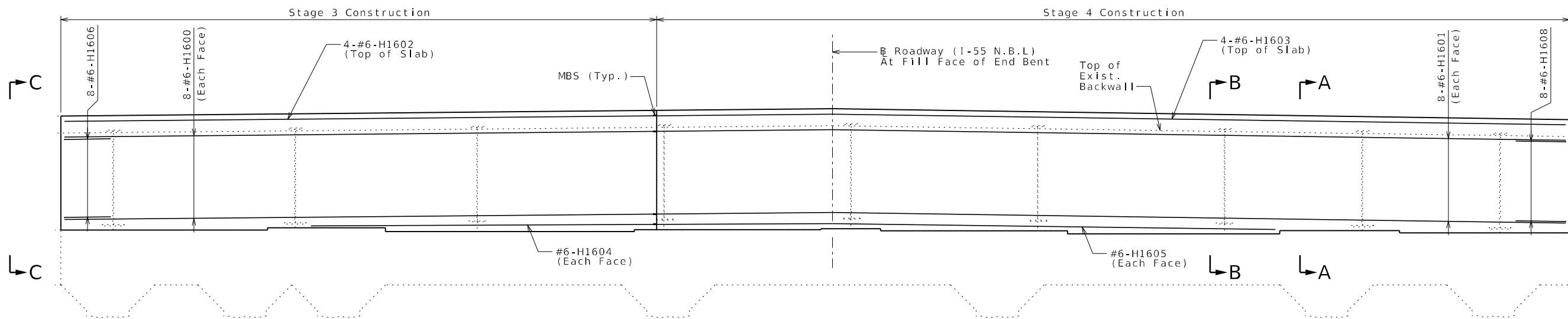
MoDOT

EXP U.S. Services Inc.

600 Washington Ave. Suite 1700 St. Louis, MO 63101 t: +1.618.406.2385 Missouri Certificate of Authority: F01144526

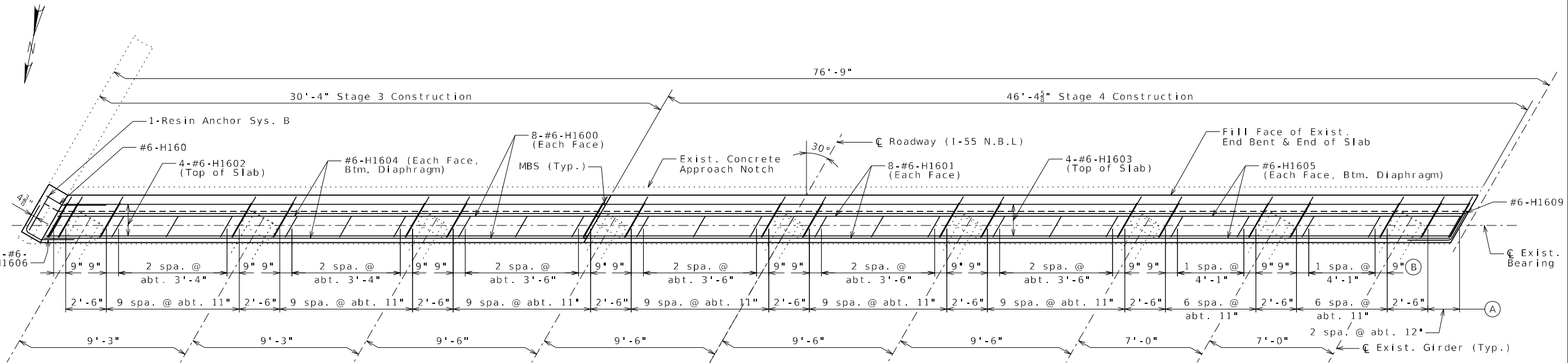
exp.

REV.



ELEVATION OF END BENT

Existing bearings and diaphragms not shown for clarity (U.I.P.).
Diaphragm Resin Anchor System and existing columns not shown for clarity.



- (A) Spacing of Resin Anchor Systems A & B
- (B) Spacing of Resin Anchor Systems C

PART PLAN SHOWING CONCRETE DIAPHRAGM

Horizontal dimensions measured along \bar{C} bearing.

Notes:

For Sections A-A thru C-C, see Sheet No. 25.

All Resin Anchor Systems shall be placed parallel to \bar{C} of Bridge.

For details of End Bent No. 16 not shown, and additional notes, see Sheet No. 25.

For details of staged construction, see Sheet No. 5.

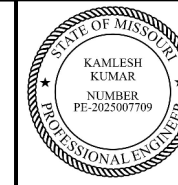
Bend H1600 and H1601 bars in the field as necessary.

MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

Detailed May 2025
Checked July 2025

END BENT NO. 16 DIAPHRAGM

Note: This drawing is not to scale. Follow dimensions. Sheet No. 24 of 32



Kamlesh Kumar
Professional Engineer
No. 2025007709
State of Missouri
Civil Engineering
Exp. 08/06/2028 10:00 AM

DATE PREPARED
8/6/2025

ROUTE
I-55 STATE
MO

DISTRICT
BR SHEET NO.
25

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06093

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

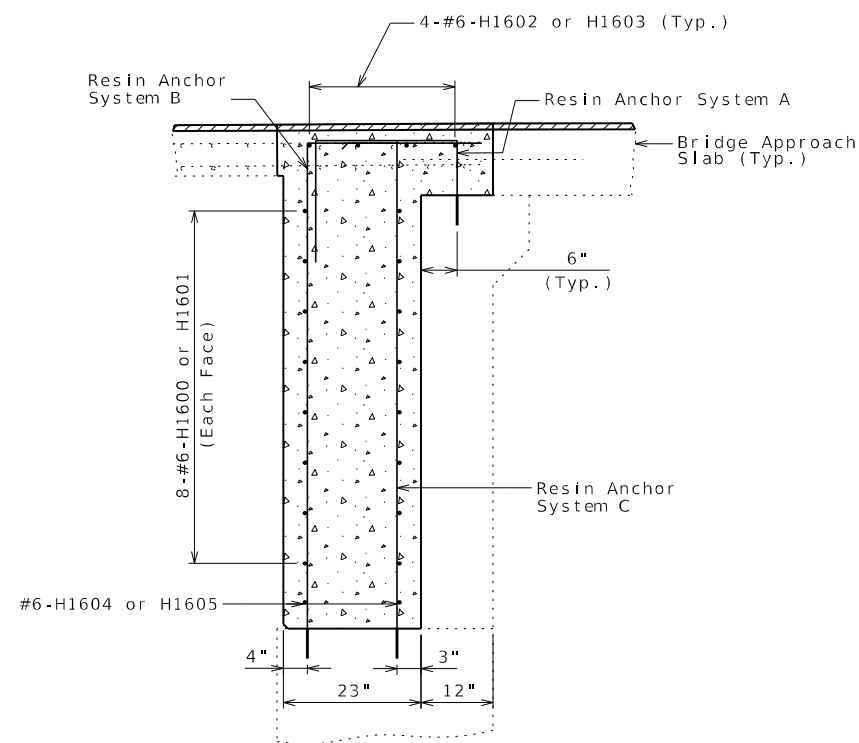
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EXP U.S. Services Inc.

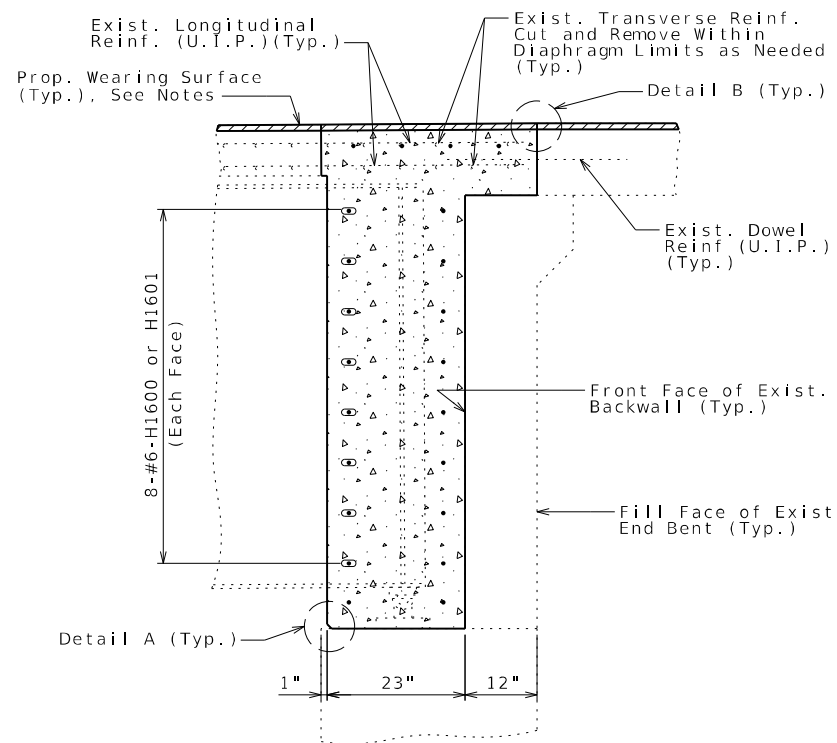
600 Washington Ave.
Suite 1700
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Missouri Certificate of
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11:27:22 AM 8/6/2025

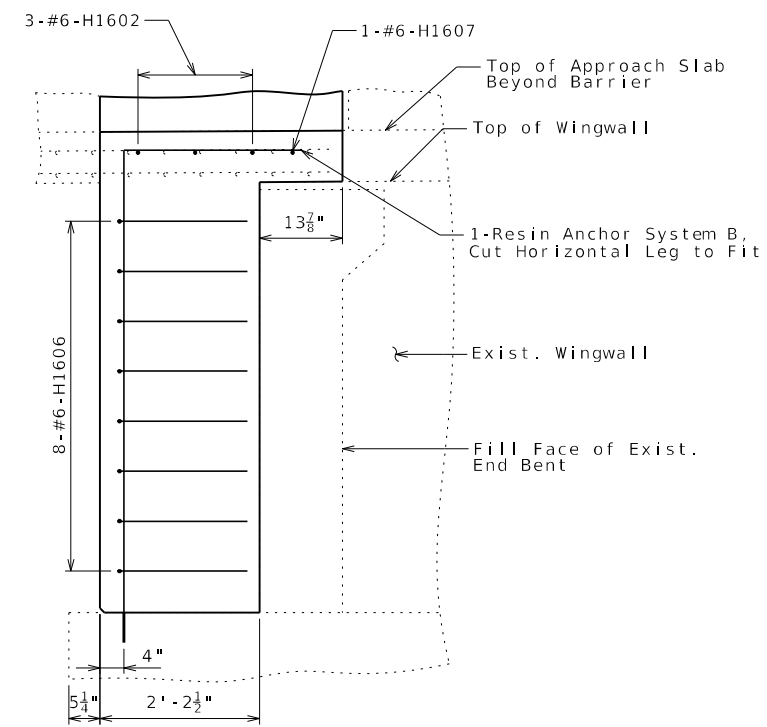


SECTION A-A



SECTION B-B

Existing steel cross frame not shown for clarity.



ELEVATION C-C

Existing and proposed barrier reinforcement not shown for clarity.

Notes:

Work this sheet with Sheet No. 24.

The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

Cost of furnishing and installing the resin anchor systems, complete in place, will be considered completely covered by the contract unit price for Class B-2 Concrete.

The minimum embedment depth in concrete with $f'c = 4,000$ psi for Resin Anchor Systems A thru C shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5".

Any epoxy coated #6 Grade 60 reinforcing bar shall be substituted for the 3/4"Ø threaded rod.

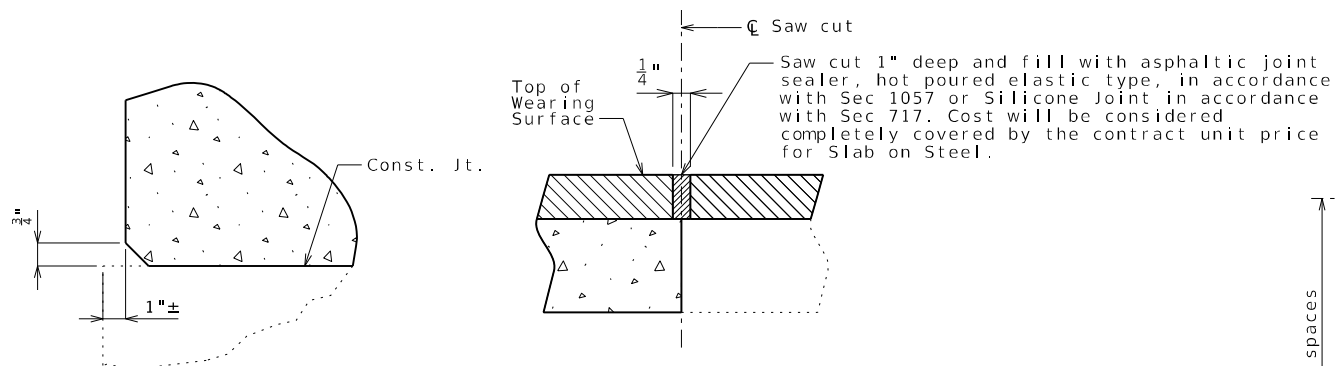
All concrete at end bents is included in the Estimated Quantities for Class B-2 Concrete.

The exposed and accessible surfaces of the existing structural steel and bearings that will be encased in concrete shall be cleaned with a minimum of SSPC-SP-3 surface preparation and coated with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) in accordance with Sec 1081 to produce a dry film thickness of not less than 3 mils before concrete is poured. The surface preparation and coating for girders shall extend a minimum of one foot outside the face of the girder encasement. Payment for cleaning and coating steel to be encased in concrete will be considered completely covered by the contract unit price for Class B-2 Concrete.

For details and reinforcement of Barrier at End Bents, see Sheet No. 16.

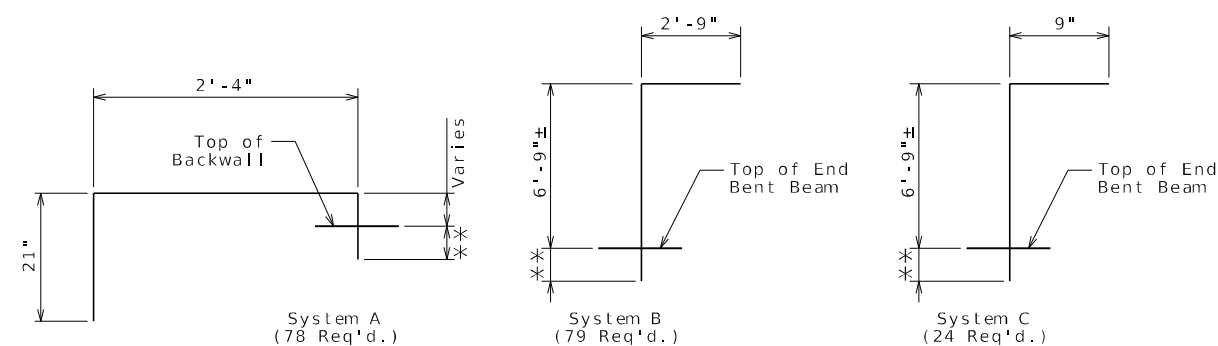
The H1600 and H1601 bars are segmented bars for ease of placement of bars through girder web holes between girders. The total bar lengths for H1601 bars shown in Bill of Reinforcement Steel allow for one splice with a lap splice length of 3'-6". Actual bar segment lengths to be determined by contractor for ease of installing bars. The contractor may use a mechanical bar splice in lieu of a lap splice. When a mechanical bar splice is used, the actual bar segment lengths will be determined by the contractor to accommodate manufacturer's recommendations for installation and ease of construction. The cost of furnishing and installing the bar splices will be considered completely covered by the contract unit price for Class B-2 Concrete. No adjustment of the quantity of reinforcing steel will be allowed for the use of mechanical bar splices.

See Sheets No. 3 and 4 for wearing surface details. Top of diaphragm shall be poured to final grade prior to scarification and/or surface hydro demolition.

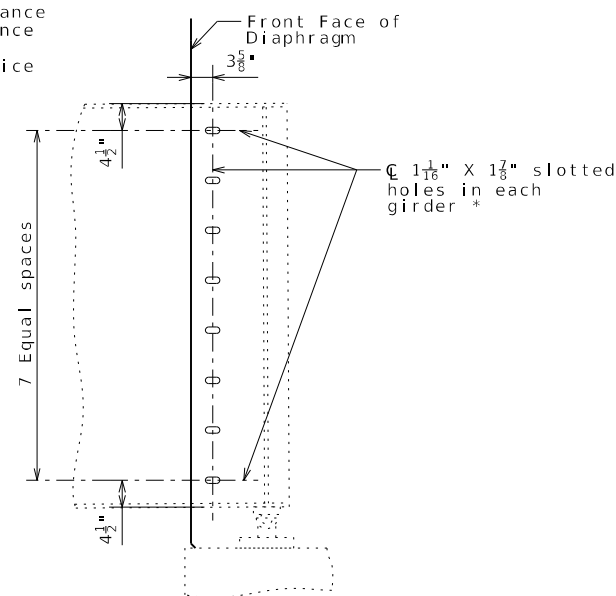


DETAIL A

DETAIL B



**Manufacturer's recommended embedment length (5" min.)
DETAILS OF RESIN ANCHOR SYSTEMS



DETAIL OF WEB HOLES

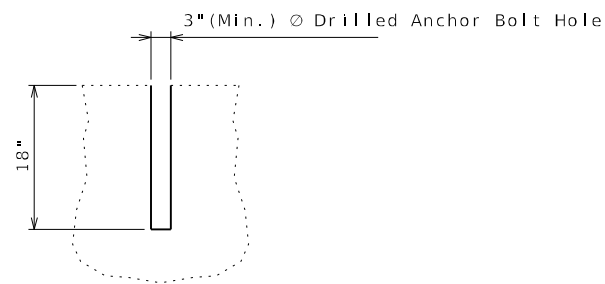
* Cost of field drilling holes in existing girder webs will be considered completely covered by the contract unit price for Class B-2 Concrete.

END BENT NO. 16 DETAILS

Note: This drawing is not to scale. Follow dimensions.

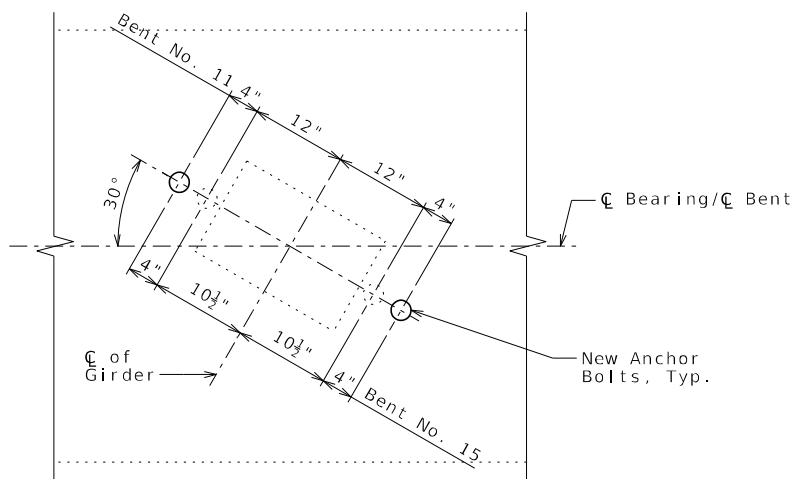
Sheet No. 25 of 32

Detailed May 2025
Checked July 2025

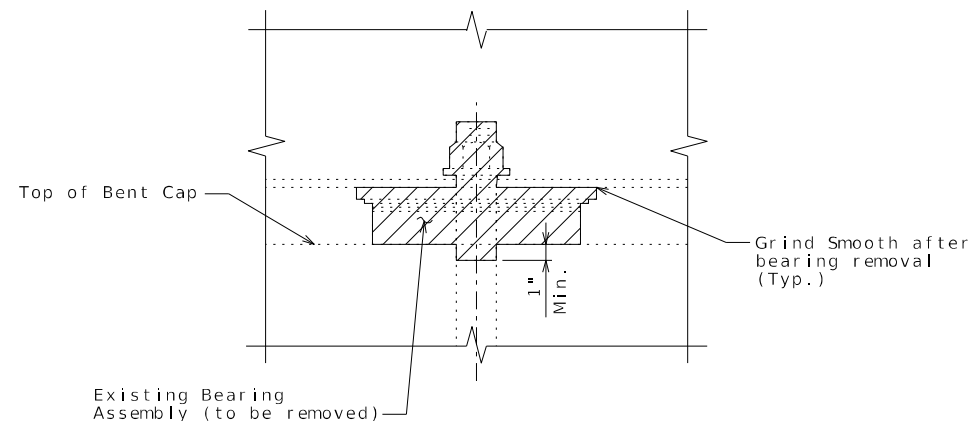


DETAIL OF ANCHOR BOLT HOLE

Note:
When the anchor bolts are set in holes, the holes shall be clean and dry prior to grouting with an expansive mortar in accordance with Sec 1066. Excess mortar forced out of the holes shall be removed.



PART PLAN OF EXIST. INTERMEDIATE BENTS NO. 11 & 15 SHOWING ANCHOR BOLT LAYOUTS



DETAILS OF BEARING REMOVAL INTERMEDIATE BENTS NO. 11 & 15

JACKING LOADS (for Cleaning, Lubricating and Coating Bearing)			
LOCATION	GIRDER NO.	SERVICE DEAD LOAD (KIPS)	SERVICE LIVE LOAD (KIPS)
BENT NO. 2	1	74	78
	2	78	97
	3	83	109
	4 thru 6	86	120
	7	92	119
	8	95	118
BENT NO. 6	1	73	78
	2	77	96
	3	82	108
	4 thru 6	85	119
	7	90	118
	8	94	117
BENT NO. 9	1	88	95
	2	92	118
	3	97	132
	4 thru 6	102	146
	7	106	144
	8	111	143
BENT NO. 13	1	221	165
	2	231	205
	3	229	229
	4 thru 6	239	252
	7	250	250
	8	275	248
	9	251	220

JACKING LOADS (for Removal of Existing Bearings and Hinge Modification)			
LOCATION	GIRDER NO.	SERVICE DEAD LOAD (KIPS)	SERVICE LIVE LOAD (KIPS)
BENT NO. 11	1	94	102
	2	98	126
	3	101	141
	4 thru 6	105	156
	7	111	154
	8	118	153
HINGE NO. 11	1	25	52
	2	26	65
	3	28	72
	4 thru 6	29	80
	7	31	79
	8	32	78
BENT NO. 15	1	113	109
	2	118	134
	3	121	150
	4 thru 6	126	166
	7	133	164
	8	142	163
HINGE NO. 15	1	43	59
	2	46	73
	3	47	81
	4 thru 6	49	90
	7	52	89
	8	55	88
	9	50	78

BEARING REMOVAL

Note: This drawing is not to scale. Follow dimensions.

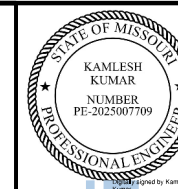
Sheet No. 27 of 32

GENERAL NOTES:

Existing anchor bolts shall be removed to 1" below concrete surface and the resultant hole shall be filled with qualified mortar in accordance with Sec 704, or removed completely if required.

Payment for drilling and grouting new anchor bolts will be considered completely covered by the contract unit price for Type N PTFE Bearings.

The temporary support shall be capable of safely supporting the service dead load and service live load per girder. Factor of Safety and construction loading are not included in these loads. Dead load includes the beams, slab, & barriers.



Kamlesh Kumar
Professional Engineer
No. 105 West Capitol
Jefferson City, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE PREPARED
10/14/2025

ROUTE
I-55

STATE
MO

DISTRICT
BR

SHEET NO.
27

COUNTY
ST LOUIS/JEFFERSON

JOB NO.
J613290

CONTRACT ID.

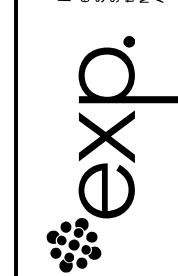
PROJECT NO.

BRIDGE NO.
A06093

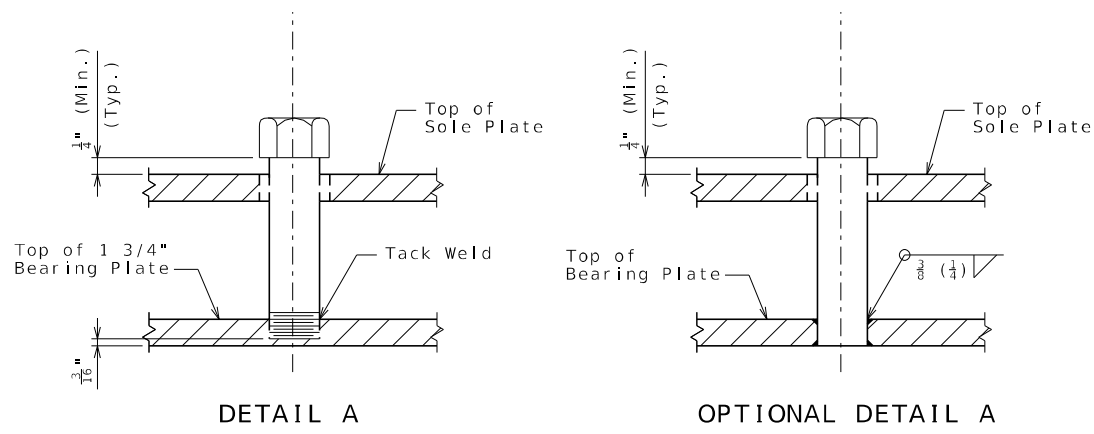
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

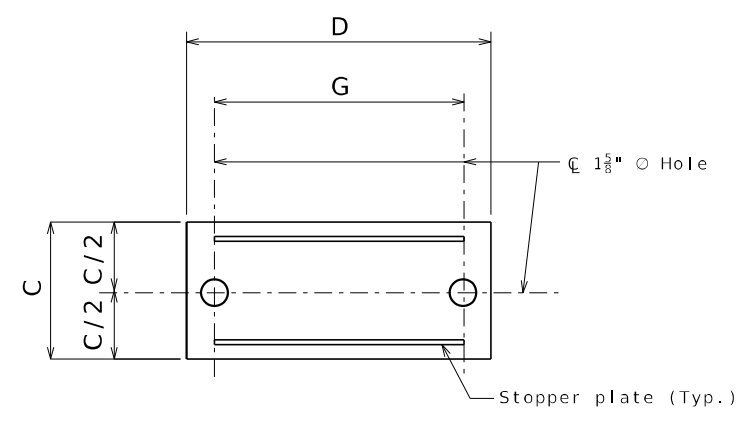
EXP U.S. Services Inc.
600 Washington Ave.
Suite 1700
St. Louis, MO 63101
t: +1 618 406 2385
Missouri Certificate of Authority: F01144526



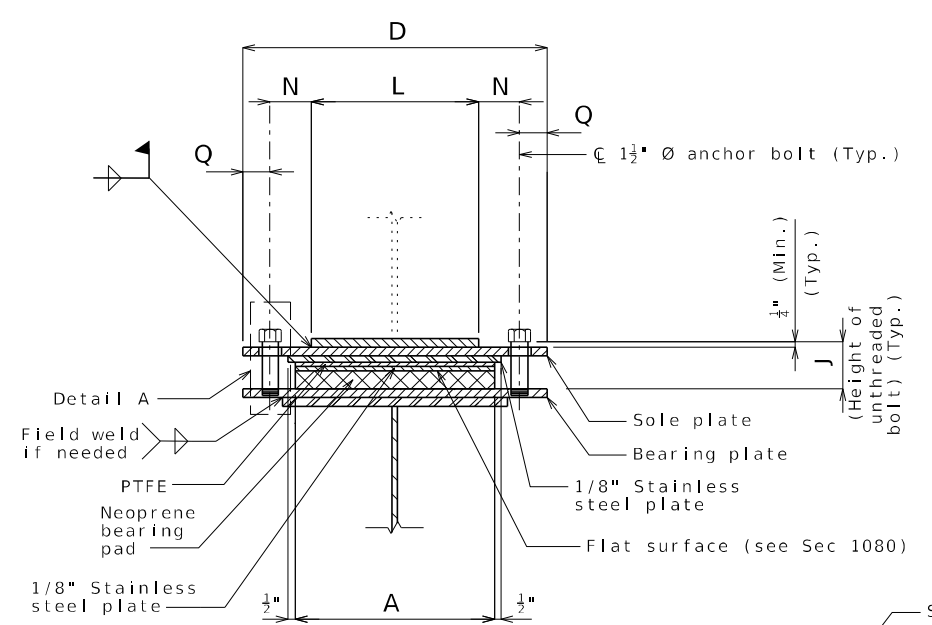
Detailed May 2025
Checked July 2025



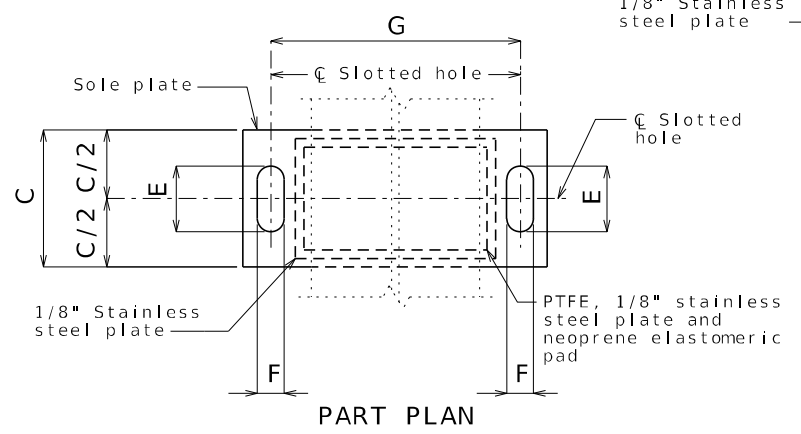
ANCHOR BOLT DETAILS



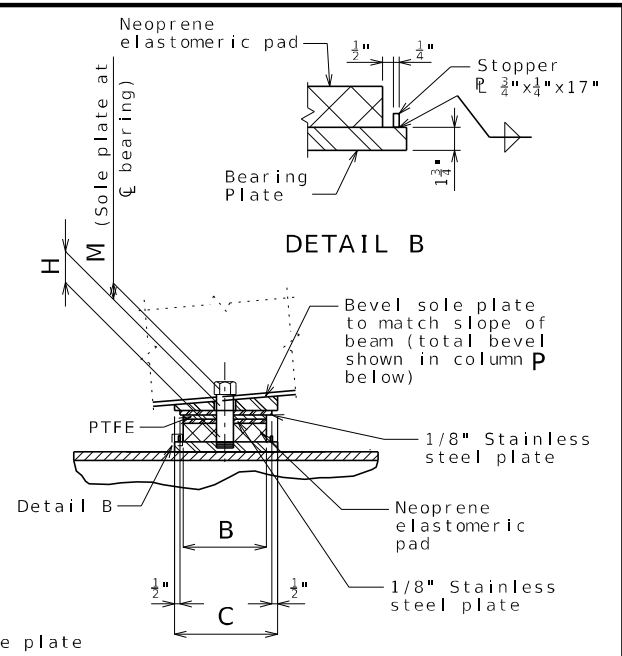
DETAIL OF BEARING PLATE (1 3/4 THICK)



END VIEW
Shelf assembly not shown for clarity.

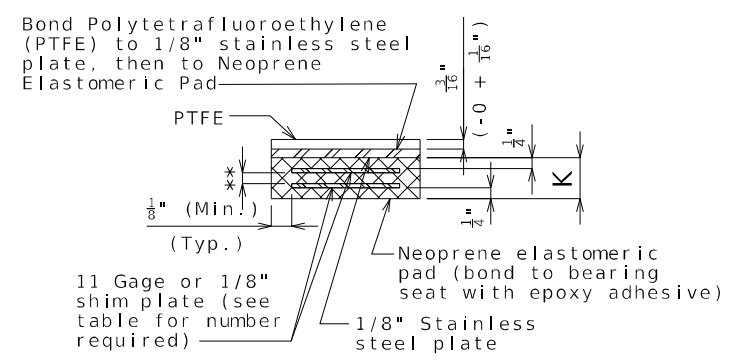
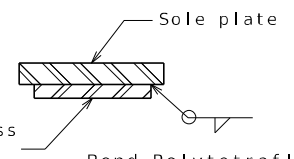


PART PLAN



DETAIL B

SIDE VIEW



NEOPRENE ELASTOMERIC PAD

** Intermediate layers of 1/2" elastomeric pad alternating with 11 gage or 1/8" shim plate.

GENERAL NOTES:

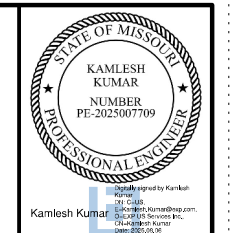
- Design coefficient of friction equals 4%.
- Anchor bolts shall be 1 1/2"Ø ASTM F3125 Grade A325 Type 1. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided.
- Anchor bolts shall be at the centerline of slotted hole at 60°F. Bearing position shall be adjusted R for each 10° fall or rise in temperature at installation.
- Anchor bolts and threaded studs shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with Sec 1081.
- Neoprene Elastomeric Pads shall be 70 Durometer.
- Structural steel for sole and bearing plate shall be ASTM A709 Grade 36 and shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum. The stainless steel plate shall be protected from any coating.
- Type N PTFE Bearings shall be in accordance with Sec 716.
- PTFE surface shall be fabricated as a single piece. Splicing will not be permitted.
- The PTFE surface shall be dimpled.
- The depth of the dimples shall be at least 0.08 inch but less than one-half the PTFE thickness and the diameter shall be no more than 0.32 inch. Dimples shall be uniformly distributed and cover greater than 20% but less than 30% of the entire PTFE surface area. Dimples shall not be placed to intersect the edge of the PTFE surface.
- Dimpled PTFE surfaces shall be lubricated with silicone grease meeting the Society of Automotive Engineers Specification SAE-AS8660.

PTFE SLIDING BEARINGS																			
BENT NO.	GIRDER NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	NUMBER OF SHIM PLATES *	NUMBER REQUIRED
Hinge 11 Shelf	1 thru 9	12"	8"	13"	20 1/2"	6 1/2"	1 3/4"	16"	1 1/8"	3 7/16"	1 1/4"	12"	1 1/2"	2"	-	2 1/4"	1/4"	2	9

* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.

TYPE N PTFE BEARINGS - HINGE NO. 11
Note: This drawing is not to scale. Follow dimensions. Sheet No. 29 of 32

Detailed May 2025
Checked July 2025



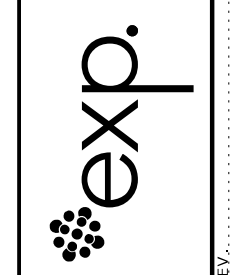
DATE PREPARED 8/6/2025	
ROUTE I-55	STATE MO
DISTRICT BR	SHEET NO. 29
COUNTY ST LOUIS / JEFFERSON	
JOB NO. J613290	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A06093	

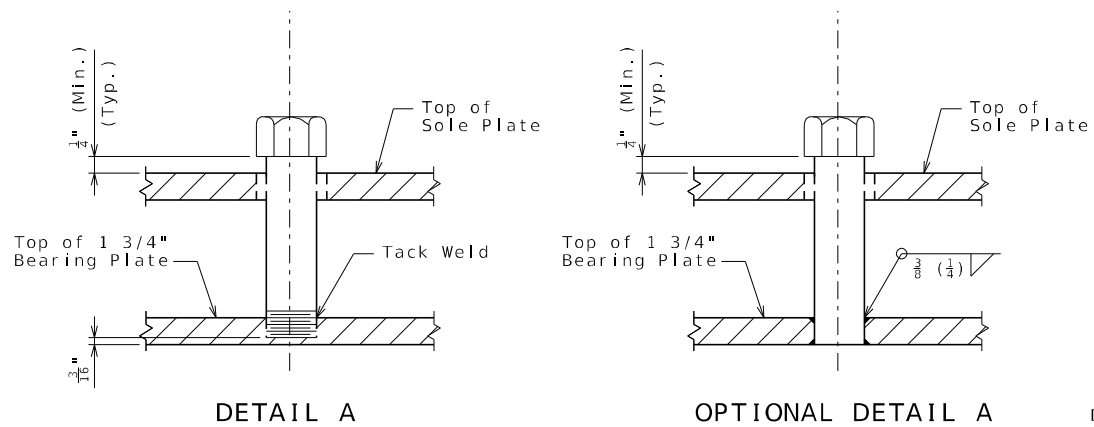
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

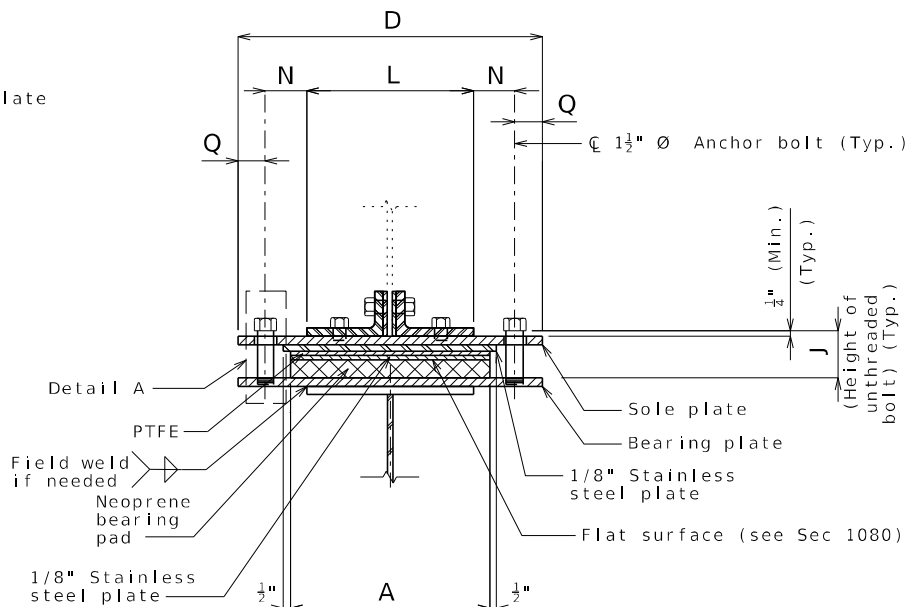
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EXP U.S. Services Inc.
600 Washington Ave.
Suite 1700
St. Louis, MO 63101
t: +1.618.406.2385
Missouri Certificate of Authority: F01144526



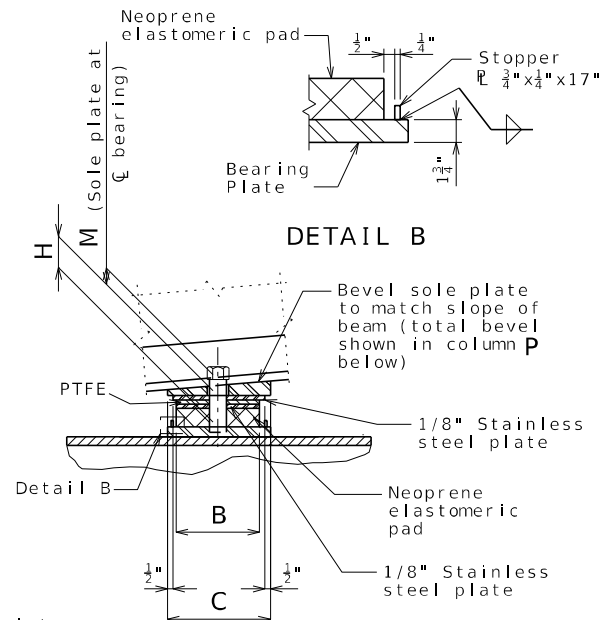


ANCHOR BOLT DETAILS



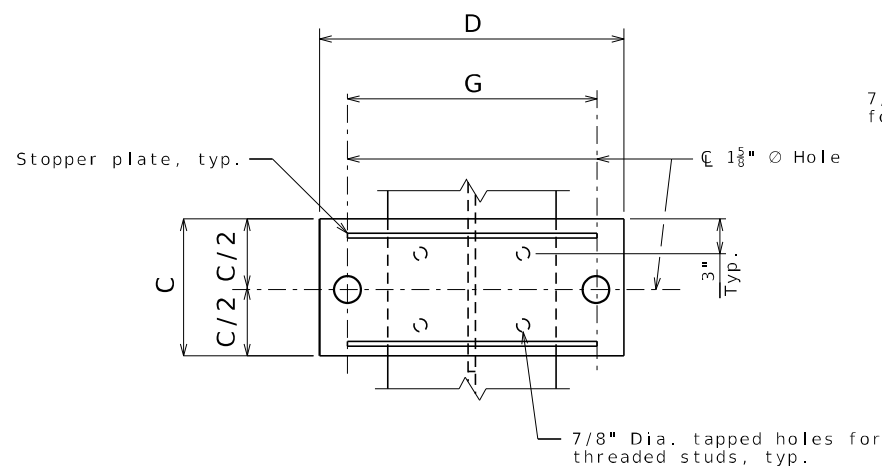
END VIEW

Shelf assembly not shown for clarity.

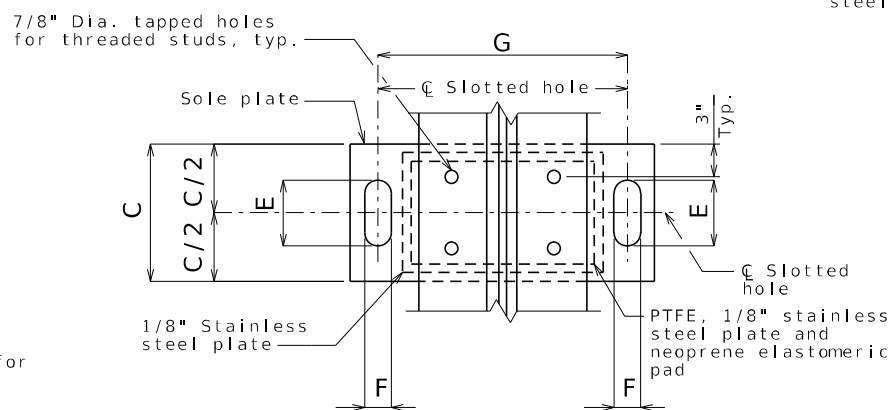


DETAIL B

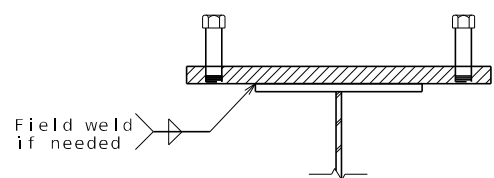
SIDE VIEW



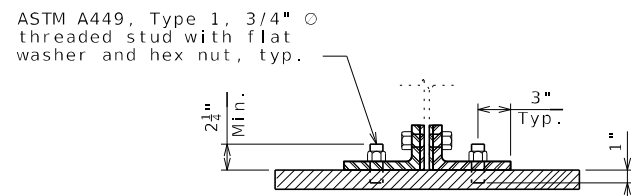
PART PLAN SHOWING BEARING PLATE



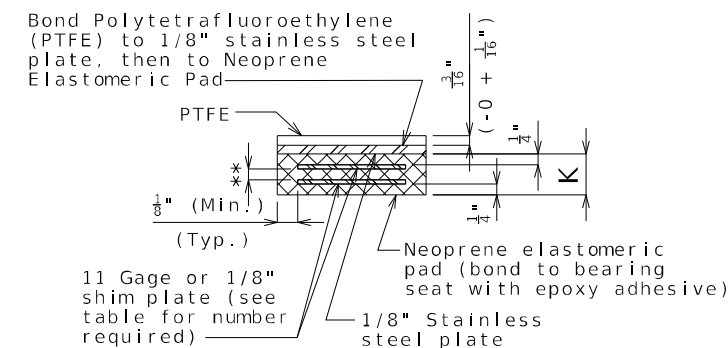
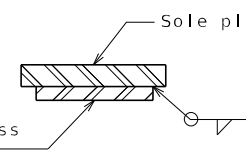
PART PLAN SHOWING SOLE PLATE



SECTION THRU BEARING PLATE



SECTION THRU SOLE PLATE



NEOPRENE ELASTOMERIC PAD

** Intermediate layers of 1/2" elastomeric pad alternating with 11 gage or 1/8" shim plate.

GENERAL NOTES:

- Design coefficient of friction equals 4%.
- Anchor bolts shall be 1 1/2"Ø ASTM F3125 Grade A325 Type 1. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided.
- Anchor bolts shall be at the centerline of slotted hole at 60°F. Bearing position shall be adjusted R for each 10° fall or rise in temperature at installation.
- Anchor bolts and threaded studs shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with Sec 1081.
- Neoprene Elastomeric Pads shall be 70 Durometer.
- Structural steel for sole and bearing plate shall be ASTM A709 Grade 36 and shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum. The stainless steel plate shall be protected from any coating.

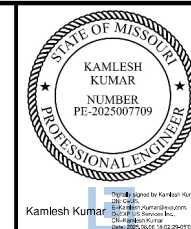
PTFE SLIDING BEARINGS																			
BENT NO.	GIRDER NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	NUMBER OF SHIM PLATES *	NUMBER REQUIRED
Hinge 15 Shelf	All Girders	13"	10"	14 1/2"	23 1/2"	6"	1 3/4"	19	1 11/16"	3 7/16"	1 1/4"	15"	1 1/2"	2"	-	2 1/4"	1/4"	2	9

* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.

TYPE N PTFE BEARINGS - HINGE NO. 15

Note: This drawing is not to scale. Follow dimensions. Sheet No. 30 of 32

Detailed May 2025
Checked July 2025



DATE PREPARED
8/6/2025

ROUTE
I-55

DISTRICT
BR

COUNTY
ST LOUIS / JEFFERSON

JOB NO.
J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A06093

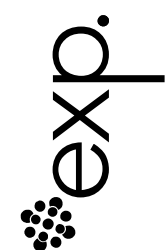
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Bill of Reinforcing Steel																							
No. Req.	Size/ Mark	Location	Codes			Dimensions							Nom. Length ft in.	Actual Length ft in.	Weight lb								
			C	SH	V	B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.											
END BENT 1																							
10	6	H100	DIAPHRAGM	E	20	36	10.000							36	10	36	10	554					
10	6	H101	DIAPHRAGM	E	20	56	8.000							56	8	56	8	852					
7	6	H102	DIAPHRAGM	E	20	33	4.000							33	4	33	4	351					
7	6	H103	DIAPHRAGM	E	20	53	2.000							53	2	53	2	559					
2	6	H104	DIAPHRAGM	E	20	5	2.000							5	2	5	2	16					
8	6	H105	DIAPHRAGM	E	20	6	0.000							6	0	6	0	73					
2	6	H106	DIAPHRAGM	E	20	3	5.000							3	5	3	5	11					
6	6	H107	DIAPHRAGM	E	95			2	2.000	12.250	12.000			22.625	13.125	4	2	4	0	37			
2	6	H108	DIAPHRAGM	E	215		14.250	2	8.500					16.250	2	4.125	3	11	3	10	12		
END BENT 16																							
16	6	H1600	DIAPHRAGM	E	20	36	10.000							36	10	36	10	886					
16	6	H1601	DIAPHRAGM	E	20	56	8.000							56	8	56	8	1362					
4	6	H1602	DIAPHRAGM	E	20	33	4.000							33	4	33	4	201					
4	6	H1603	DIAPHRAGM	E	20	53	2.000							53	2	53	2	320					
2	6	H1604	DIAPHRAGM	E	20	20	3.000							20	3	20	3	61					
2	6	H1605	DIAPHRAGM	E	20	36	4.000							36	4	36	4	110					
8	6	H1607	DIAPHRAGM	E	295				21.500	13.250	2	0.750		21.500	13.500	5	0	4	9	58			
1	6	H1607	DIAPHRAGM	E	215		14.250	2	8.500					16.250	2	4.125	3	11	3	10	6		
8	6	H1609	DIAPHRAGM	E	215		13.750	2	7.750					2	3.750	15.750	3	10	3	9	46		
EXP. JOINTS AT HINGES 4, 7, 11, & 15																							
336	6	S1	SLAB	E	95		18.250		14.250	20.000	11.000			10.125	10.125	5	4	5	2	2608			
336	6	S2	SLAB	E	315		11.000		12.000						23	2	5	5	1220				
336	6	S3	SLAB	E	315		11.000	2	3.000					3	2	3	8	1851					
36	6	S4	SLAB	E	20		32	7.000						32	7	32	7	1762					
36	6	S5	SLAB	E	20		51	6.000						51	6	51	6	2785					
4	6	S6	SLAB	E	20		22.000								22			12					
8	6	S7	SLAB	E	20		10	4.000						10	4	10	4	125					
16	6	S8	SLAB	E	20		10	7.000						10	7	10	7	255					
8	6	S9	SLAB	E	20		7	9.000						7	9	7	9	94					
4	6	S10	SLAB	E	20		17.000								17			9					
32	6	S11	SLAB	E	215		14.000	3	0.000					18.000	2	7.125	4	2	4	2	201		
BARRIER																							
88	5	R1	BARRIER	E	26		2	6.000		4.250	2	6.125			2	6.000	2	6.000	5	2	5	2	475
88	5	R2	BARRIER	E	19				17.000	6.000								23			22	169	
88	5	R3	BARRIER	E	27				6.000	11.125	7.000	12.000		9.125	6.375	3	0	2	10	2	10	261	

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

For bending diagrams and steel reinforcing totals, see Sheet No. 31.

Detailed May 2025
Checked July 2025

All bars shall be Grade 60.

BILL OF REINFORCING STEEL

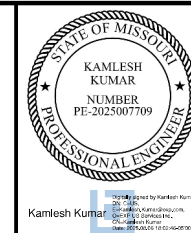
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 32 of 32

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.



Kamlesh Kumar

Professional Engineer

Missouri License Number PE-2025007709

DATE PREPARED: 8/6/2025

ROUTE: I-55 STATE: MO

DISTRICT: BR SHEET NO.: 32

COUNTY: ST LOUIS / JEFFERSON

JOB NO.: J613290

CONTRACT ID.

PROJECT NO.

BRIDGE NO.: A06093

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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MoDOT

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exp.

11:29:59 AM 8/6/2025