

DESIGN DESIGNATION

A.A.D.T. - 2025 = 24,000
 A.A.D.T. - 2045 = 29,500
 D.H.V. = 4,000
 T = 4%
 V = 60 M.P.H.
 POSTED SPEED = 45 M.P.H. / 60 M.P.H.

FUNCTIONAL CLASSIFICATION - EXPRESSWAY

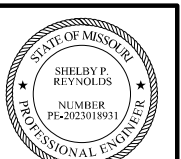
NO NEW R / W REQUIRED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
JACKSON COUNTY
T47N R33W



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
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PLAN (PL)-----	4-6
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A54951-----	1-6
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THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
4 / 16 / 2026

ROUTE STATE
150 MO

DISTRICT SHEET NO.
KC 1

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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CONVENTIONAL SYMBOLS
(USED IN PLANS)

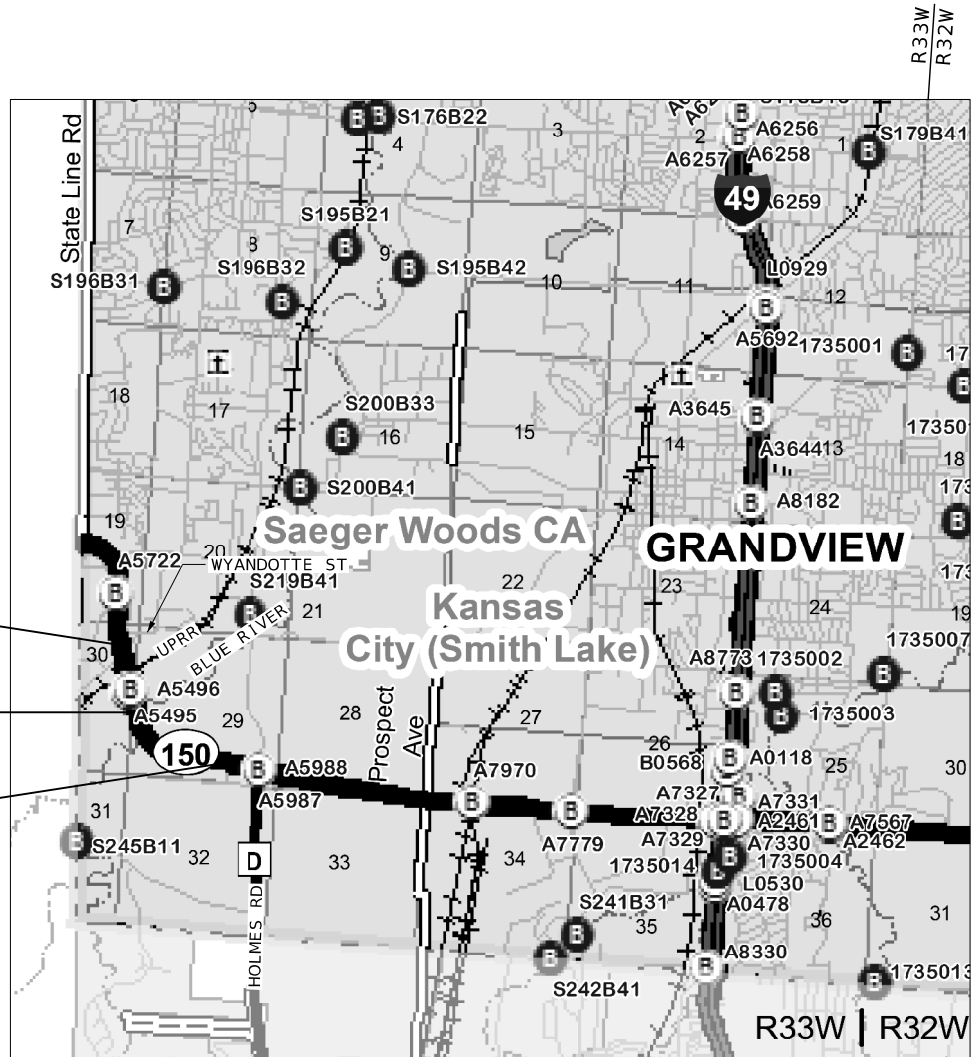
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-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	-V-	-V-
WOVEN WIRE	-X-	-X-
GATE POST		
BENCHMARK		
CONTROLLED ACCESS R/W		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

STA. 13+00.00
LOG MILE 0.883

PROJECT LOCATION
LENGTH = 1.098 MILES
GRADING, PAVING,
GUARDRAIL REPLACEMENT,
AND BRIDGE REPAIR

STA. 70+94.85
LOG MILE 1.981



NOT TO SCALE

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.

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 13+00.00
END OF PROJECT	STA. 70+94.85
APPARENT LENGTH	5,794.85 FEET
EQUATIONS AND EXCEPTIONS:	

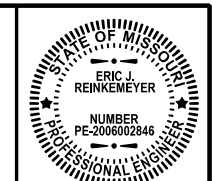
TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	5,794.85 FEET
STATE LENGTH	1.098 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	6.5 ACRES



GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHELBY P. REYNOLDS
PROFESSIONAL ENGINEER
PE-2023018931

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 2

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

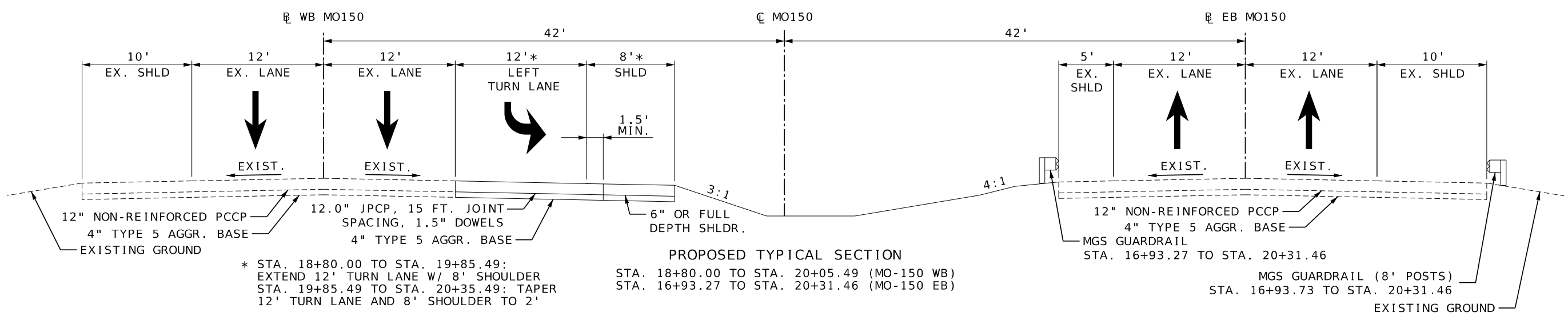
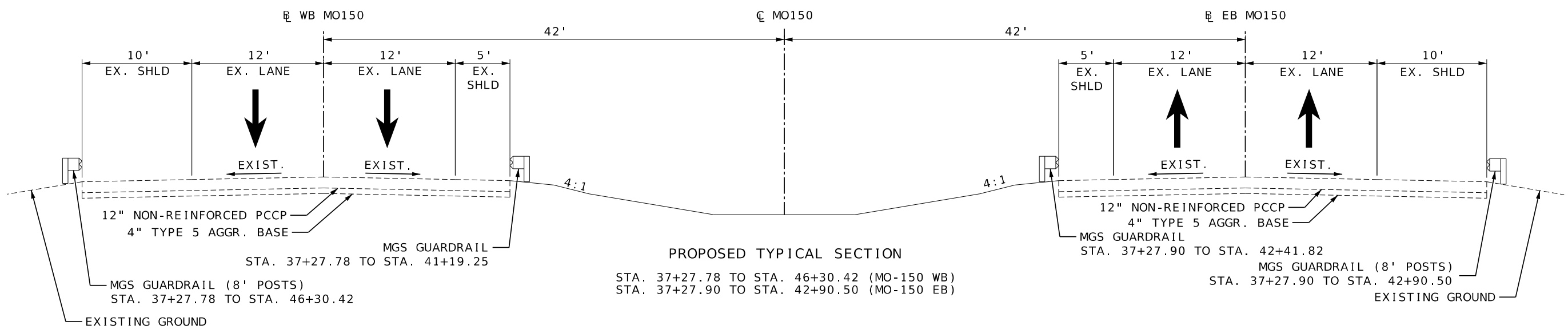
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

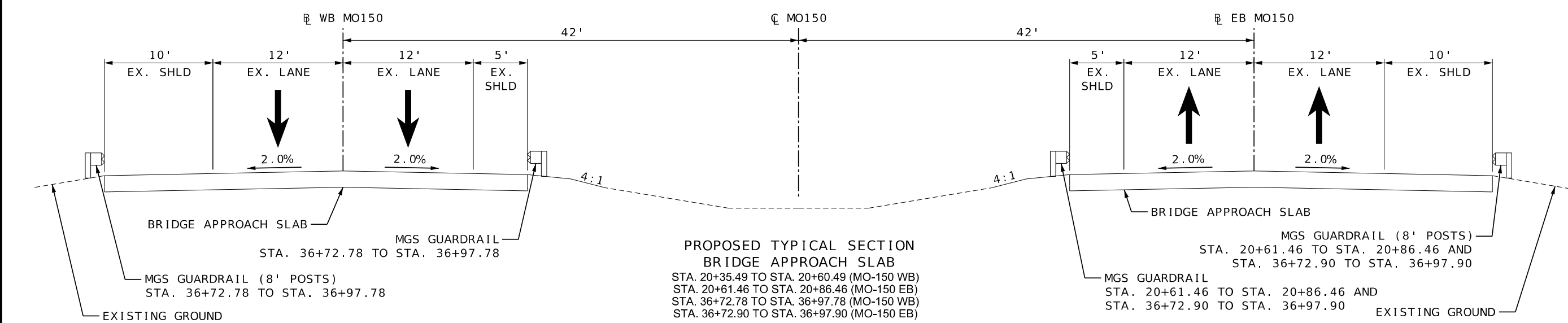
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

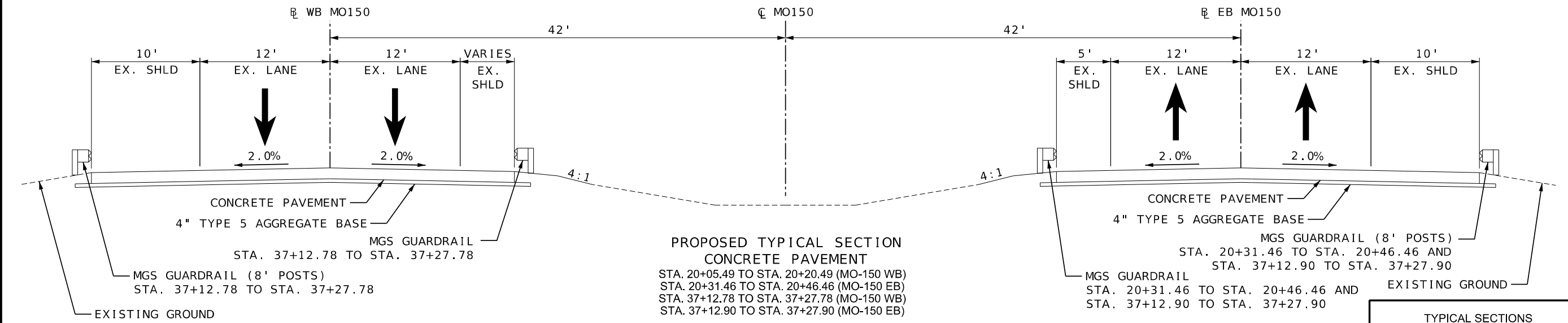
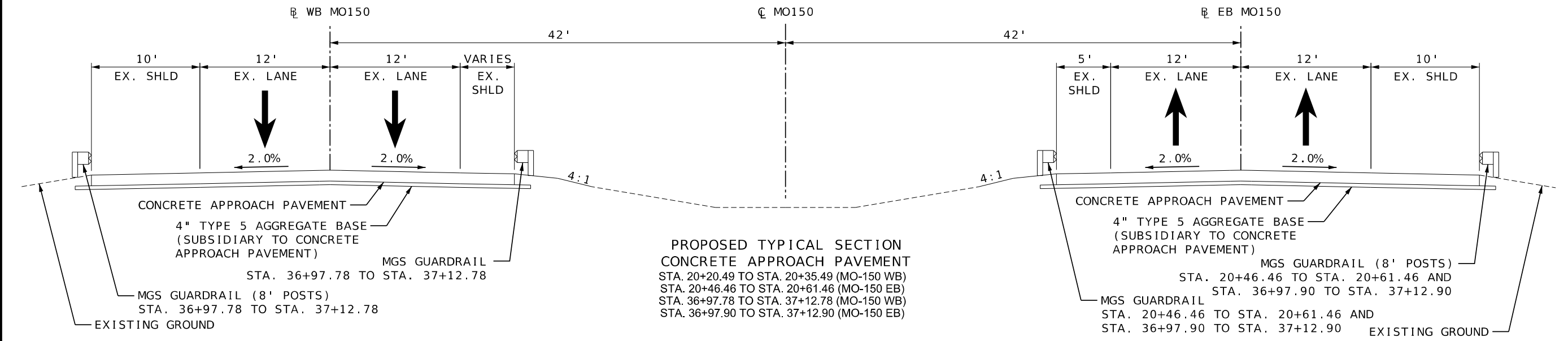


* STA. 18+80.00 TO STA. 19+85.49: EXTEND 12' TURN LANE W/ 8' SHOULDER
 STA. 19+85.49 TO STA. 20+35.49: TAPER 12' TURN LANE AND 8' SHOULDER TO 2'

TYPICAL SECTIONS
 MO-150
 SHEET 1 OF 2



BRIDGE EXCEPTION
 STA. 20+60.49 TO STA. 36+72.78 (MO-150 WB)
 STA. 20+86.46 TO STA. 36+72.90 (MO-150 EB)



TYPICAL SECTIONS MO-150 SHEET 2 OF 2



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DATE PREPARED
03/27/2026

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 2

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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REV.

REMOVAL OF IMPROVEMENTS								
SHEET NO.	STA	STA	ROUTE	LOCATION	DESCRIPTION	UNITS	QUANTITY	
4	16+88.00	20+69.40	MO-150	BRIDGE A54951 WEST APPROACH - INSIDE	GUARDRAIL	LF	381	
4	16+92.26	20+69.49	MO-150	BRIDGE A54951 WEST APPROACH - OUTSIDE	GUARDRAIL	LF	378	
4	18+80.00	20+05.52	MO-150	WESTBOUND MEDIAN SHOULDER	VERTICAL SAW CUT	LF	156	
4	18+80.00	20+05.52	MO-150	WESTBOUND MEDIAN SHOULDER	CONCRETE PAVEMENT	SY	219	
4	18+80.00	20+05.49	MO-150	BRIDGE A54961 WEST APPROACH	VERTICAL SAW CUT	LF	180	
4	20+05.49	20+35.49	MO-150	BRIDGE A54961 WEST APPROACH	CONCRETE APPROACH PAVEMENT	SY	139	
4	20+31.46		MO-150	BRIDGE A54951 WEST APPROACH	VERTICAL SAW CUT	LF	40	
4	20+31.46	20+61.46	MO-150	BRIDGE A54951 WEST APPROACH	CONCRETE APPROACH PAVEMENT	SY	132	
4	20+35.49	20+60.49	MO-150	BRIDGE A54961 WEST APPROACH	BRIDGE APPROACH SLAB	SY	110	
4	20+61.46	20+86.46	MO-150	BRIDGE A54951 WEST APPROACH	BRIDGE APPROACH SLAB	SY	110	
6	36+72.78	36+97.78	MO-150	BRIDGE A54961 EAST APPROACH	BRIDGE APPROACH SLAB	SY	110	
6	36+72.90	36+97.90	MO-150	BRIDGE A54951 EAST APPROACH	BRIDGE APPROACH SLAB	SY	110	
6	36+89.74	46+32.26	MO-150	BRIDGE A54961 EAST APPROACH - OUTSIDE	GUARDRAIL	LF	918	
6	36+89.79	41+20.46	MO-150	BRIDGE A54961 EAST APPROACH - INSIDE	GUARDRAIL	LF	428	
6	36+90.25	42+94.68	MO-150	BRIDGE A54951 EAST APPROACH - OUTSIDE	GUARDRAIL	LF	618	
6	36+97.78	37+27.78	MO-150	BRIDGE A54961 EAST APPROACH	CONCRETE APPROACH PAVEMENT	SY	132	
6	36+97.78		MO-150	BRIDGE A54961 EAST APPROACH	VERTICAL SAW CUT	LF	40	
6	36+97.90	37+27.90	MO-150	BRIDGE A54951 EAST APPROACH	CONCRETE APPROACH PAVEMENT	SY	127	
6	36+97.90		MO-150	BRIDGE A54951 EAST APPROACH	VERTICAL SAW CUT	LF	39	
49	15+59.49	19+35.39	MO-150	WEST CROSSOVERS	TEMPORARY OPTIONAL PAVEMENT	SY	821	
50, 51, 52	40+64.94	70+94.85	MO-150	EAST CROSSOVERS	TEMPORARY OPTIONAL PAVEMENT	SY	5,111	
							1 LUMP SUM	

MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

TREE CLEARING
1.04 ACRES
PAY TOTALS: 2 ACRES

OPTIONAL TRAFFIC SIGNAL DETECTORS
1 EACH

SHEET NO.	STA	STA	ROUTE	LOCATION	OFFSET	CONCRETE PAVEMENT (12 IN. NON-REINFORCED, 15 FT. JOINTS)	
						(SY)	4" TYPE 5 AGGREGATE BASE (SY)
4	18+80.00	20+35.00	MO-150	WB MO-150	LEFT	303.8	303.8
4	20+05.49	20+20.49	MO-150	WB MO-150	LEFT	71.2	71.2
4	20+31.46	20+46.46	MO-150	EB MO-150	RIGHT	65.9	65.9
6	36+97.78	37+12.78	MO-150	WB MO-150	LEFT	65.8	65.8
6	36+97.90	37+12.90	MO-150	EB MO-150	RIGHT	63.2	63.2
PAY TOTALS:						569.9	570

SHEET NO.	STA	STA	ROUTE	LOCATION	OFFSET	CONCRETE APPROACH PAVEMENT
						(SY)
4	20+20.49	20+35.49	MO-150	WB MO-150	LEFT	68.0
4	20+46.46	20+61.46	MO-150	EB MO-150	RIGHT	66.5
6	37+12.78	37+27.78	MO-150	WB MO-150	LEFT	66.0
6	37+12.90	37+27.90	MO-150	EB MO-150	RIGHT	63.4
PAY TOTALS:						263.9

MGS GUARDRAIL										
SHEET NO.	STA	STA	ROUTE	LOCATION	OFFSET	MGS GUARDRAIL	MGS GUARDRAIL 8' POSTS	MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR/NO CURB)	TYPE A CRASHWORTHY END TERMINAL (MASH)	SHAPING SLOPES CLASS III
						(LF)	(LF)	(EA)	(EA)	(STA)
4	16+94.40	20+69.40	EB MO-150	NE CORNER BRIDGE A54951	RIGHT	287.5	0.0	1	1	1
4	16+94.40	20+69.40	EB MO-150	NW CORNER BRIDGE A54951	RIGHT	0.0	287.5	1	1	1
6	36+89.88	46+02.38	WB MO-150	SE CORNER BRIDGE A54961	LEFT	0.0	825.0	1	1	1
6	36+89.88	41+14.88	WB MO-150	SW CORNER BRIDGE A54961	LEFT	337.5	0.0	1	1	1
6	36+89.25	39+89.25	EB MO-150	SE CORNER BRIDGE A54951	RIGHT	212.5	0.0	1	1	1
6	36+89.25	43+01.75	EB MO-150	SW CORNER BRIDGE A54951	RIGHT	0.0	525.0	1	1	1
SUBTOTAL:						837.5	1,637.5	6	6	6
PAY TOTALS:						838	1,638	6	6	6



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DATE PREPARED
03/27/2026

ROUTE
150 STATE
MO

DISTRICT
KC SHEET NO.
3

COUNTY
JACKSON

JOB NO.
JKU0140


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)



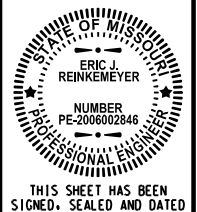
ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

SUMMARY OF QUANTITIES
SHEET 1 OF 7

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

PERMANENT PAVEMENT MARKING													
STA	STA	DIRECTION	6 IN. WHITE CLASS 2 PAVMENT MARKING PAINT (25-MIL, TYPE L BEADS)	6 IN. WHITE CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)	6 IN. WHITE CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)	12 IN. WHITE CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)	24 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	6 IN. YELLOW CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24 IN. X 36 IN. YIELD LINE TRIANGLE	TURN ARROW	REMARKS	
			SOLID	INTERMITTENT	DOTTED	SOLID	SOLID	SOLID	SOLID	SOLID			SOLID
			LF	LF	LF	LF	LF	LF	LF	LF			EA
0+67	1+27	EB 138TH TERR.	90										
0+67	1+27	EB MO-150	60										
0+78	14+89	EB MO-150		355									
0+79	15+72	EB MO-150	1,601										
1+10	14+70	EB MO-150						1,374					
1+27	5+85	EB MO-150			115								
10+35	14+70	WB MO-150						440					
10+35	14+61	WB MO-150		105									
10+35	13+70	WB MO-150	397										
10+36	15+04	EB MO-150	470										
12+53		EB MO-150									1		
11+30		EB MO-150									1		
13+08	13+86	WB WYANDOTTE	152										
13+08	14+61	WB MO-150	153										
13+09	13+17	WB WYANDOTTE								7			
13+77		EB MO-150									1		
13+86	14+61	WB WYANDOTTE	141										
13+98	14+66	WB WYANDOTTE						276				DOUBLE DOLID YELLOW	
14+37	79+75	WB MO-150	6,509										
14+44	14+89	EB MO-150	57										
14+44	15+17	EB MO-150	73										
14+44	15+37	EB MO-150	102										
14+54	14+66	WB WYANDOTTE							12				
14+56	14+67	EB MO-150							20				
14+78	14+94	EB WYANDOTTE	30										
14+78	15+32	WB MO-150	59										
14+84	14+90	WB MO-150								5			
14+87	14+87	EB MO-150											
14+89	15+04	WB WYANDOTTE	31						24				
14+91	15+04	WB MO-150						18				WB MO-150 TO EB WYANDOTTE HASH	
14+94	15+55	WB MO-150	61										
15+10	19+85	WB MO-150	475										
15+10	15+36	EB WYANDOTTE	54										
15+10	15+74	WB MO-150						110				WB MO-150 TO WB WYANDOTTE HASH	
15+17	15+37	WB WYANDOTTE	41										
15+19	15+28	EB MO-150								6			
15+21	15+21	WB MO-150							24				
15+22	93+75	WB MO-150		1,952									
15+36	15+93	WB MO-150	76										
15+38	15+57	WB MO-150							20				
15+46	15+58	EB WYANDOTTE							12				
15+46	15+92	EB WYANDOTTE						202				DOUBLE DOLID YELLOW	
15+49	16+04	EB WYANDOTTE	121										
15+49	16+83	EB MO-150	134										
15+49	77+20	EB MO-150		1,554									
15+53	93+75	WB MO-150							7,812				
15+53	77+20	EB MO-150							6,199				
16+04	16+83	EB WYANDOTTE	144										
16+20	77+15	EB MO-150	6,213										
16+64	16+74	EB WYANDOTTE								6			
16+68		WB MO-150									1		
17+91		WB MO-150									1		
19+13		WB MO-150									1		
63+78	72+30	EB MO-150			212								
70+98	77+58	WB MO-150			167								
72+30	77+17	EB MO-150	489										
75+60	77+20	EB MO-150				160							
75+60	77+20	EB MO 150 RAMP				162							
77+51	79+75	WB MO-150				218							
77+51	79+75	WB MO-150 RAMP				217							
79+75	93+75	WB MO-150	1,400										
SUBTOTAL :			19,133	3,966	494	757	128	16,303	112	24	6		
PAY TOTALS :				23,593		757	128	16,303	112	24	6		

SUMMARY OF QUANTITIES
SHEET 2 OF 7



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 3

COUNTY JACKSON

JOB NO. JKU0140

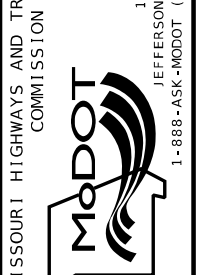
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

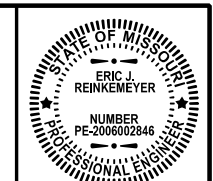


ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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TEMPORARY PAVEMENT MARKING

PHASE NO.	STA	STA	DIRECTION	4-IN SOLID WHITE	4-IN SOLID YELLOW	EXIST. PAVEMENT MARKING REMOVAL	REMOVAL AFTER PHASE	REMARKS
				LF	LF	LF	LF	
0	0+79	7+32	EB MO-150	713				
0	1+27	5+83	EB MO-150			115		REMOVE EXIST DOTTED WHITE
0	5+10	72+30	EB MO-150		6,777			
0	10+50	14+86	EB MO-150			110		REMOVE EXIST INTERMITTENT WHITE
0	12+99	91+40	WB MO-150		7,797			
0	13+00	20+61	EB MO-150				761	REMOVE SY
0	14+04	14+61	WB MO-150			14		REMOVE EXIST INTERMITTENT WHITE
0	14+58	17+00	WB MO-150	242				
0	15+22	87+20	WB MO-150			1,788		REMOVE EXIST INTERMITTENT WHITE
0	15+51	72+30	EB MO-150			1,432		REMOVE EXIST INTERMITTENT WHITE
1	11+54	72+30	EB MO-150	6,049				
1	11+54	20+36	EB MO-150				889	REMOVE SW
1	13+00	20+36	EB MO-150				742	REMOVE SY
1	13+00	20+36	EB MO-150				742	REMOVE SY
1	13+00	72+30	EB MO-150		5,753			CONNECT TO SY FROM PH 0, CREATES DSY ALONGSIDE PH 0 MARKING STA 20+13 TO STA 53+93
1	14+43	15+04	EB MO-150			93		REMOVE EXIST SW
1	14+58	17+00	WB MO-150				242	REMOVE SW REMAINING FROM PH 0
1	14+86		EB MO-150			24		REMOVE EXIST STOP BAR
1	15+53	16+00	EB MO-150			47		REMOVE EXIST SW
1	15+53	58+00	WB MO-150			4,234		REMOVE EXIST SY
1	36+99	70+95	EB MO-150				3,349	REMOVE ONE SY, LEAVE SINGLE SY
1	36+99	72+30	WB MO-150				3,497	REMOVE SW
1	55+00	59+87	WB MO-150				475	REMOVE SY
2	12+50	59+87	WB MO-150		4,756			CONNECT TO SY FROM PHASE 0/1, CREATES DSY STA 19+75 TO STA 39+40
2	12+50	59+87	WB MO-150				4,756	REMOVE SY AFTER PH 2, LEAVE SINGLE SY
2	12+50	65+25	WB MO-150	5,279				
2	12+50	65+25	WB MO-150				5,279	REMOVE SW
2	13+00	36+98	EB MO-150		2,398			CONNECT TO SY FROM PHASE 1
2	17+00	20+61	EB MO-150			362		REMOVE EXIST SY
2	36+98	47+00	EB MO-150			1,016		REMOVE EXIST SY
2	59+00	65+25	WB MO-150			622		REMOVE EXIST SW
3	0+79	7+32	EB MO-150				713	REMOVE SW
3	5+10	72+30	EB MO-150				6,777	REMOVE SY
3	13+00	36+98	WB MO-150		2,400			CONNECT TO SY FROM PHASE 0
3	13+00	91+40	WB MO-150				7,797	REMOVE SY
3	14+58	17+00	WB MO-150	242				
3	14+58	17+00	WB MO-150				242	REMOVE SW
PAY TOTALS:				12,525	29,881	9,857	36,261	



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DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 3

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

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BRIDGE NO.

DATE	DESCRIPTION

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



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

SUMMARY OF QUANTITIES
SHEET 4 OF 7

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

EARTHWORK								
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	CLASS A EXCAVATION	COMPACTING EMBANKMENT	EMBANKMENT IN PLACE	COMPACTING IN CUT	REMARKS
				(CY)	(CY)	(CY)	(STA)	
46	MO-150	15+59.49	19+35.39	171	20	0	3.8	WEST CROSSOVERS
47, 48, 49	MO-150	40+64.94	70+94.85	1,108	1,108	1,954	30.3	EAST CROSSOVERS
46	MO-150	18+80.00	20+35.00	30	2	0	1.6	TURN LANE EXTENSION
46	MO-150	15+59.49	19+35.39	20	20	152	-	MEDIAN RESTORATION
47, 48, 49	MO-150	40+64.94	70+94.85	3,062*	1,108	0	-	MEDIAN RESTORATION
PROJECT TOTAL:				4,391	2,258	2,106	35.7	

NO SHRINKAGE FACTOR

*1,954 CY OF CLASS A EXCAVATION TO BE WASTED

TEMPORARY PAVEMENT						
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	SIDE	TEMPORARY OPTIONAL PAVEMENT	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)
					(SY)	(SY)
46	MO-150	15+59.49	19+35.39	CL	820.8	821
47, 48, 49	MO-150	40+64.94	70+94.85	CL	5,110.3	5,111
PROJECT TOTAL:					5,931.1	5,932



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
3/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 3

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA

9801 Renner Blvd, Ste. 300
Lenexa, KS 66219
913.492.0400
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SUMMARY OF QUANTITIES
SHEET 5 OF 7

SHELBY P. REYNOLDS
PROFESSIONAL ENGINEER
PE-2023018931

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

DRAINAGE SYSTEM CLEANOUT					
SHEET NO.	ROADWAY	STATION	SIDE	CULVERT CLEANOUT	REMARKS
46	MO-150	16+44.78	CL	1	EX 3' X 2' DROP INLET AND EX PIPE
47	MO-150	37+44.05	CL	1	EX 5' X 3.5' DROP INLET AND EX PIPE
PROJECT TOTAL:				2	

SLOTTED DRAIN							
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	SIDE	18 IN. SLOTTED DRAIN	CLASS 3 EXCAVATION	REMARKS
					(LF)	(CY)	
46	MO-150	15+81.67	16+43.79	CL	63	33	TYPE A
46	MO-150	16+45.79	17+47.63	CL	102	54	TYPE A
PROJECT TOTAL:					165	*	

* SEE PIPES QUANTITY TABLE FOR PROJECT TOTAL.

INLETS						
SHEET NO.	ROADWAY	STATION BEGIN	SIDE	PRECAST CONCRETE DROP INLET	CLASS 3 EXCAVATION	REMARKS
				3FT X 2FT (LF)	(CY)	
46	MO-150	17+75.00	CL	4	3	TYPE S-1 DROP INLET
48	MO-150	51+33.20	CL	6	6	TYPE S-3 DROP INLET
PROJECT TOTAL:				10	*	

* SEE PIPES QUANTITY TABLE FOR PROJECT TOTAL.

PIPES									
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	SIDE	GROUP A PIPE	GROUP A FES	TYPE A PIPE COLLAR	CLASS 3 EXCAVATION	ROCK LINING
					18" (LF)	18" OR ALLOWED SUBSTITUTE (EA)	(EA)	(CY)	(CY)
46	MO-150	17+47.63	17+75.00	CL	27	-	1	16	-
47, 48	MO-150	48+48.02	51+33.20	LT/RT	287	1	-	164	2
SUBTOTAL:					314	1	1	180	2
SLOTTED DRAIN SUBTOTAL:					-	-	-	87	-
INLET SUBTOTAL:					-	-	-	9	-
PROJECT TOTAL:					314	1	1	276	2



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DATE PREPARED
3/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 3

COUNTY JACKSON

JOB NO. JKU0140

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)



9801 Renner Blvd, Ste. 300
Lenexa, KS 66219
913.492.0400
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

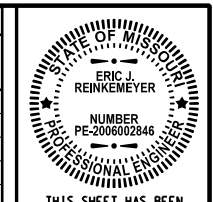
SHELBY P. REYNOLDS
PROFESSIONAL ENGINEER
PE-2023018931

SUMMARY OF QUANTITIES
SHEET 6 OF 7

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

WARNING SIGNS											GUIDE SIGNS											REGULATORY SIGNS											MISCELLANEOUS SIGNS										
SIGN	SIZE	AREA	QTY	TOTAL	RELOC	TOTAL	SIGN	DESCRIPTION			SIGN	SIZE	AREA	QTY	TOTAL	RELOC	TOTAL	SIGN	DESCRIPTION			ITEM	TOTAL	DESCRIPTION																			
	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.				IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.				NUMBER	QTY																					
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00							GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)																						
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00							EXIT OPEN	6122009	*	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)																						
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00							EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)																						
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	2	20.00				1	ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)																						
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	2	16.00				26	END ROAD WORK	6122014	*	IMPACT ATTENUATOR 60 MPH (SAND BARRELS)																						
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50							PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)																						
WO1-4L	48X48	16.00	2	32.00			15L	REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75							PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)																						
WO1-4R	48X48	16.00	2	32.00			15R	REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50							PILOT CAR IN USE WAIT & FOLLOW	6122020	5	REPLACEMENT SAND BARREL																						
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	13	78.00				54	WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)																						
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00	1	3.00				52	END DETOUR	6122040	*	WORK ZONE CRASH CUSHION (NARROW)																						
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00							DETOUR (LEFT)	6122041	*	WORK ZONE CRASH CUSHION (RELOCATION)																						
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00							DETOUR (RIGHT)	6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)																						
WO1-6	60X30	12.50	3	37.50			16	HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00							STREET NAME (PLAQUE)	6161012		BUOYS (BOATS KEEP OUT)																						
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00							DETOUR ARROW (LEFT)	6161013		BUOYS (NO WAKE)																						
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00							DETOUR ARROW (RIGHT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)																						
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS											6161020		CHANNELIZER (DRUM-LIKE)																					
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25								STOP	6161022		CHANNELIZER (CONE)																					
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93	1	6.93				13	YIELD	6161025	191	CHANNELIZER (TRIM-LINE)																						
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00							TO ONCOMING TRAFFIC (PLAQUE)	6161026		CHANNELIZER (VERTICAL PANEL)																						
WO3-2	48X48	16.00	1	16.00			40	YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50							ALL WAY (PLAQUE)	6161030	55	TYPE 3 MOVEABLE BARRICADE																						
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	9	108.00				4/25	SPD LMT 35(3),45(2),50(3),60(1)	6161033	29	DIRECTION INDICATOR BARRICADE																						
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	36X36	9.00	1	9.00				71	NO RIGHT TURN (SYMBOL)	6161040	2	FLASHING ARROW PANEL																						
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	36X36	9.00	2	18.00				72	NO LEFT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER																						
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00							NO TURNS	6161055	29	SEQUENTIAL FLASHING WARNING LIGHT																						
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00							NO U-TURN (SYMBOL)	6161070	71	TUBULAR MARKER																						
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25							LEFT LANE MUST TURN LEFT	6161095		RADAR SPEED ADVISORY SYSTEM																						
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25							RIGHT LANE MUST TURN RIGHT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED																						
WO4-2L	48X48	16.00	4	64.00			6	LANE ENDS (LEFT)	R4-1	36X48	12.00	6	72.00				46	DO NOT PASS	6161098A	4	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED																						
WO5-1	48X48	16.00						ROAD BRIDGE/RAMP NARROWS	R4-2	36X48	12.00							PASS WITH CARE	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED																						
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-7a	36X48	12.00							KEEP RIGHT (HORIZONTAL ARROW)	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS																						
WO5-5	48X48	16.00						NARROW LANES	R4-8a	36X48	12.00							KEEP LEFT (HORIZONTAL ARROW)	6162002	*	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED																						
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R5-1	36X36	9.00	2	18.00				70	DO NOT ENTER	6173600D		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED																						
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1a	36X24	6.00							WRONG WAY	6173700B		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED																						
WO6-3	48X48	16.00	5	80.00			31	TWO WAY TRAFFIC (SYMBOL)	R6-1L	54X18	6.75							ONE WAY ARROW (LEFT)	6174000A		RELOCATING TEMPORARY TRAFFIC BARRIER																						
WO7-3a	30X24	5.00	4	20.00			44A	NEXT XX MILES (PLAQUE)	R6-1R	54X18	6.75							ONE WAY ARROW (RIGHT)	6175010A	*	RELOCATING TEMPORARY TRAFFIC BARRIER ANCHORED																						
WO8-1	48X48	16.00						BUMP	R6-2L	24X30	5.00							ONE WAY (LEFT)	6175011B		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS																						
WO8-2	48X48	16.00						DIP	R6-2R	24X30	5.00							ONE WAY (RIGHT)	6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT																						
WO8-3	48X48	16.00						PAVEMENT ENDS	R9-9	24X12	2.00							SIDEWALK CLOSED	9029400		TEMPORARY RAISED PAVEMENT MARKER																						
WO8-4	48X48	16.00						SOFT SHOULDER	R9-11L	24X18	3.00							SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	9029401		TEMPORARY TRAFFIC SIGNALS																						
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11R	24X18	3.00							SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE			TEMPORARY TRAFFIC SIGNALS AND LIGHTING																						
WO8-6	48X48	16.00						TRUCK CROSSING	R10-6	24X36	6.00							STOP HERE ON RED (45° ARROW)																									
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R11-2	48X30	10.00	13	130.00				29	ROAD CLOSED																									
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-3a	60X30	12.50							ROAD CLOSED XX MILES AHEAD																									
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-4	60X30	12.50	1	12.50				55	LOCAL TRAFFIC ONLY																									
WO8-9	48X48	16.00						LOW SHOULDER	CONST-3A	60X48	20.00							ROAD CLOSED TO THRU TRAFFIC																									
WO8-11	48X48	16.00						UNEVEN LANES	CONST-3X	56X12	4.67							FINE SIGN																									
WO8-12	48X48	16.00						NO CENTER LINE	MISCELLANEOUS SIGNS											616-10.05		POINT OF PRESENCE																					
WO8-15	48X48	16.00						GROOVED PAVEMENT	CONST-5	48X36	12.00								POINT OF PRESENCE																								
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-5	96X48	32.00	2	64.00						POINT OF PRESENCE																								
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-8	48X36	12.00	2	24.00						WORK ZONE NO PHONE ZONE																								
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	SPECIAL	36X78	19.50	1	19.50					68A	DETOUR RTE 150 WEST STRAIGHT																								
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	SPECIAL	36X78	19.50	1	19.50					68B	DETOUR RTE 150 WEST ADV. RIGHT																								
WO10-1	42RND.	9.62						RAILROAD CROSSING	SPECIAL	36X78	19.50	1	19.50					68C	DETOUR RTE 150 WEST RIGHT																								
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	SPECIAL	36X78	19.50	1	19.50					68D	DETOUR RTE 150 WEST ADV. LEFT																								
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)	SPECIAL	36X78	19.50	1	19.50					68E	DETOUR RTE 150 WEST LEFT																								
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)	SPECIAL	36X78	19.50	1	19.50					68F	DETOUR RTE 150 WEST DIAG. RT.																								
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)	MO4-8P	24X12	2.00	2	4.00					68G	DETOUR PLAQUE																								
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD	CONSTRUCTION SIGNS											616-10.10		CONSTRUCTION SIGNS																					
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	RELOCATED SIGNS																																		
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)	NO DIRECT PAY RELOCATING TEMPORARY SIGNS																																		
WO16-2	30X24	5.00						XXX FEET (PLAQUE)																																			
WO16-3	30X24	5.00						X MILE (PLAQUE)																																			
WO20-1	48X48	16.00	5	80.00			2	ROAD BRIDGE/RAMP WORK AHEAD																																			
WO20-2	48X48	16.00	2	32.00			18	DETOUR AHEAD																																			
WO20-3	48X48	16.00	1	16.00			20/20A	ROAD CLOSED AHEAD																																			
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD																																			
WO20-5	48X48	16.00	4	64.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD																																			
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD																																			
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED																																			
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)																																			
WO21-2	36X36	9.00						FRESH OIL																																			
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD																																			
WO22-1	48X48	16.00						BLASTING ZONE AHEAD																																			
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE																																			
WO22-3	42X36	10.50						END BLASTING ZONE																																			
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)																																			

EFFECTIVE: 07-01-2025





THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
03/27/2026	
ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	4
COUNTY	
JACKSON	
JOB NO.	
JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

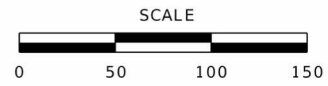
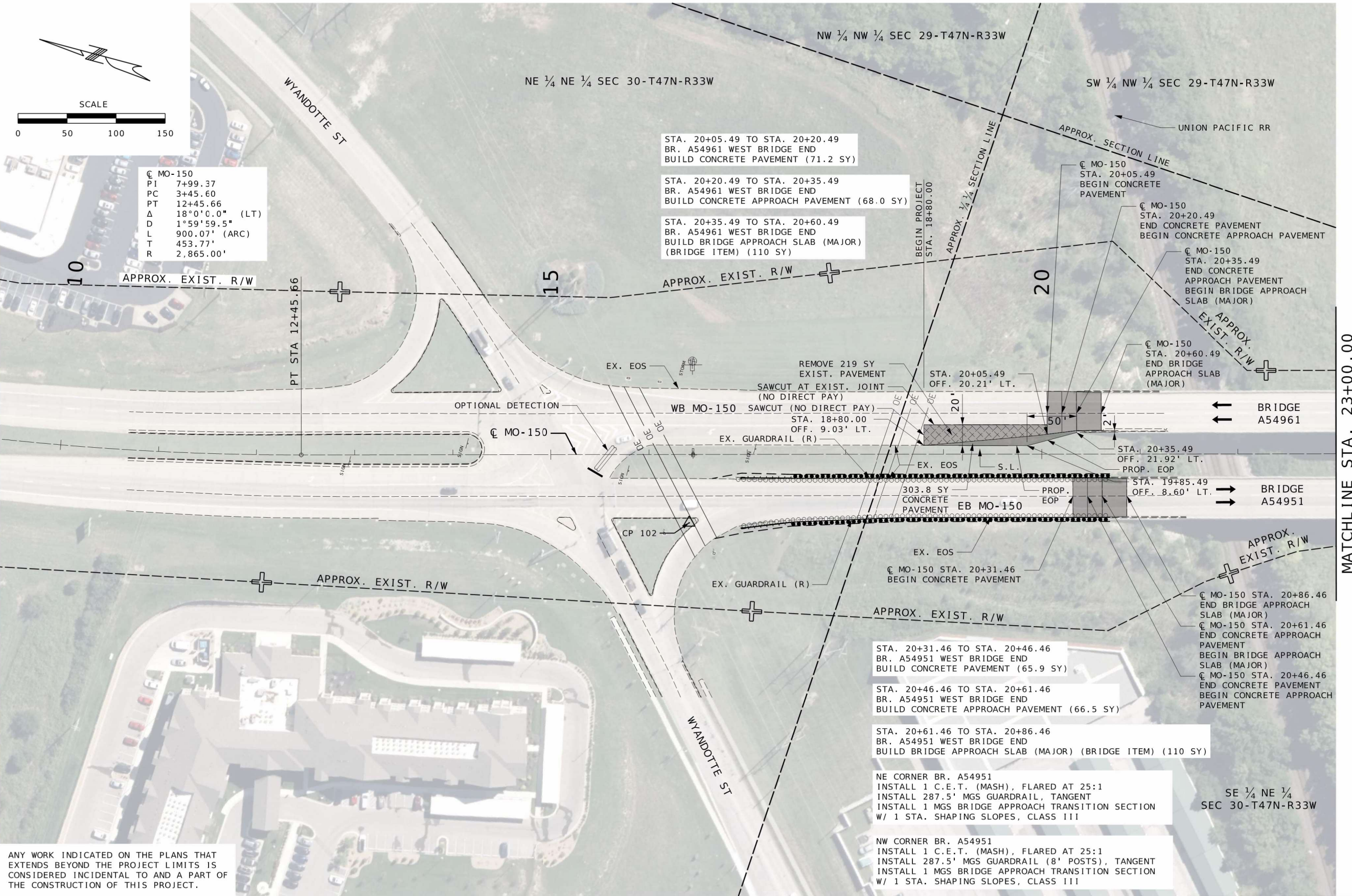
Consult engineers planners

8

HD CONSULT, INC. PRO. ENGINEER 201005873

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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

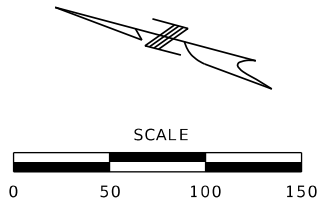


MO-150

PI	7+99.37
PC	3+45.60
PT	12+45.66
Δ	18°0'0.0" (LT)
D	1°59'59.5"
L	900.07' (ARC)
T	453.77'
R	2,865.00'

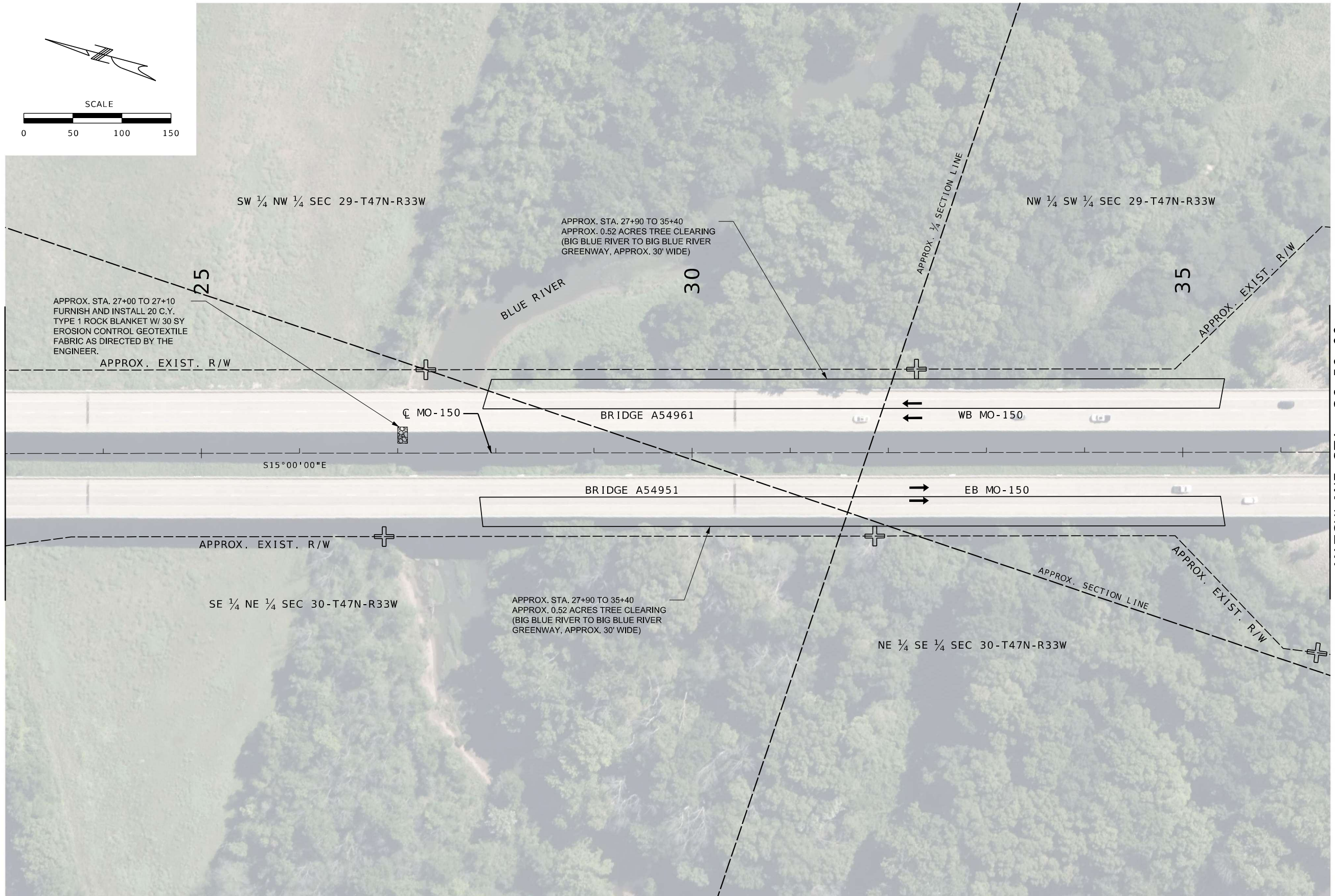
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

PLAN SHEET
MO-150
SHEET 1 OF 3



MATCHLINE STA. 23+00.00

MATCHLINE STA. 36+50.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 5

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

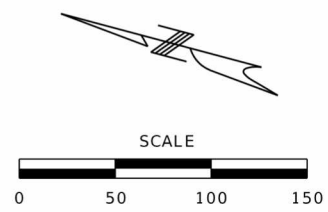
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

PLAN SHEET
MO-150
SHEET 2 OF 3

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



STA. 36+72.78 TO 36+97.78
BR. A54961 EAST BRIDGE END
BUILD BRIDGE APPROACH SLAB (MAJOR) (BRIDGE ITEM) (110 SY)

STA. 36+97.78 TO 37+12.78
BR. A54961 EAST BRIDGE END
BUILD CONCRETE APPROACH PAVEMENT (65.8 SY)

STA. 37+12.78 TO 37+27.78
BR. A54961 EAST BRIDGE END
BUILD CONCRETE PAVEMENT (66.0 SY)

SE CORNER BR. A54961
INSTALL 1 MGS BRIDGE APPROACH TRANSITION SECTION
INSTALL 825' MGS GUARDRAIL (8' POSTS), TANGENT
INSTALL 1 C.E.T. (MASH), FLARED AT 25:1
W/ 1 STA. SHAPING SLOPES, CLASS III

SW CORNER BR. A54961
INSTALL 1 MGS BRIDGE APPROACH TRANSITION SECTION
INSTALL 337.5' MGS GUARDRAIL, TANGENT
INSTALL 1 C.E.T. (MASH), FLARED AT 25:1
W/ 1 STA. SHAPING SLOPES, CLASS III

☉ MO-150 STA. 36+72.78
BEGIN BRIDGE APPROACH SLAB (MAJOR)

☉ MO-150 STA. 36+97.78
END BRIDGE APPROACH SLAB (MAJOR)
BEGIN CONCRETE APPROACH PAVEMENT

☉ MO-150 STA. 37+12.78
END CONCRETE APPROACH PAVEMENT
BEGIN CONCRETE PAVEMENT

☉ MO-150
PI 51+20.82
PC 39+43.60
PT 59+87.15
Δ 71°10'39.0" (LT)
D 3°28'58.9" (ARC)
L 2,043.55' (ARC)
T 1,177.22'
R 1,645.00'

☉ MO-150 STA. 37+27.78
END CONCRETE PAVEMENT

☉ MO-150 STA. 37+27.90
END CONCRETE PAVEMENT

☉ MO-150 STA. 37+12.90
END CONCRETE APPROACH PAVEMENT
BEGIN CONCRETE PAVEMENT

☉ MO-150 STA. 36+72.90
BEGIN BRIDGE APPROACH SLAB (MAJOR)

STA. 36+72.90 TO 36+97.90
BR. A54951 EAST BRIDGE END
BUILD BRIDGE APPROACH SLAB (MAJOR) (BRIDGE ITEM) (110 SY)

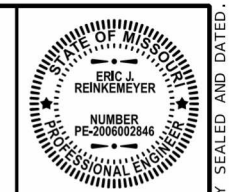
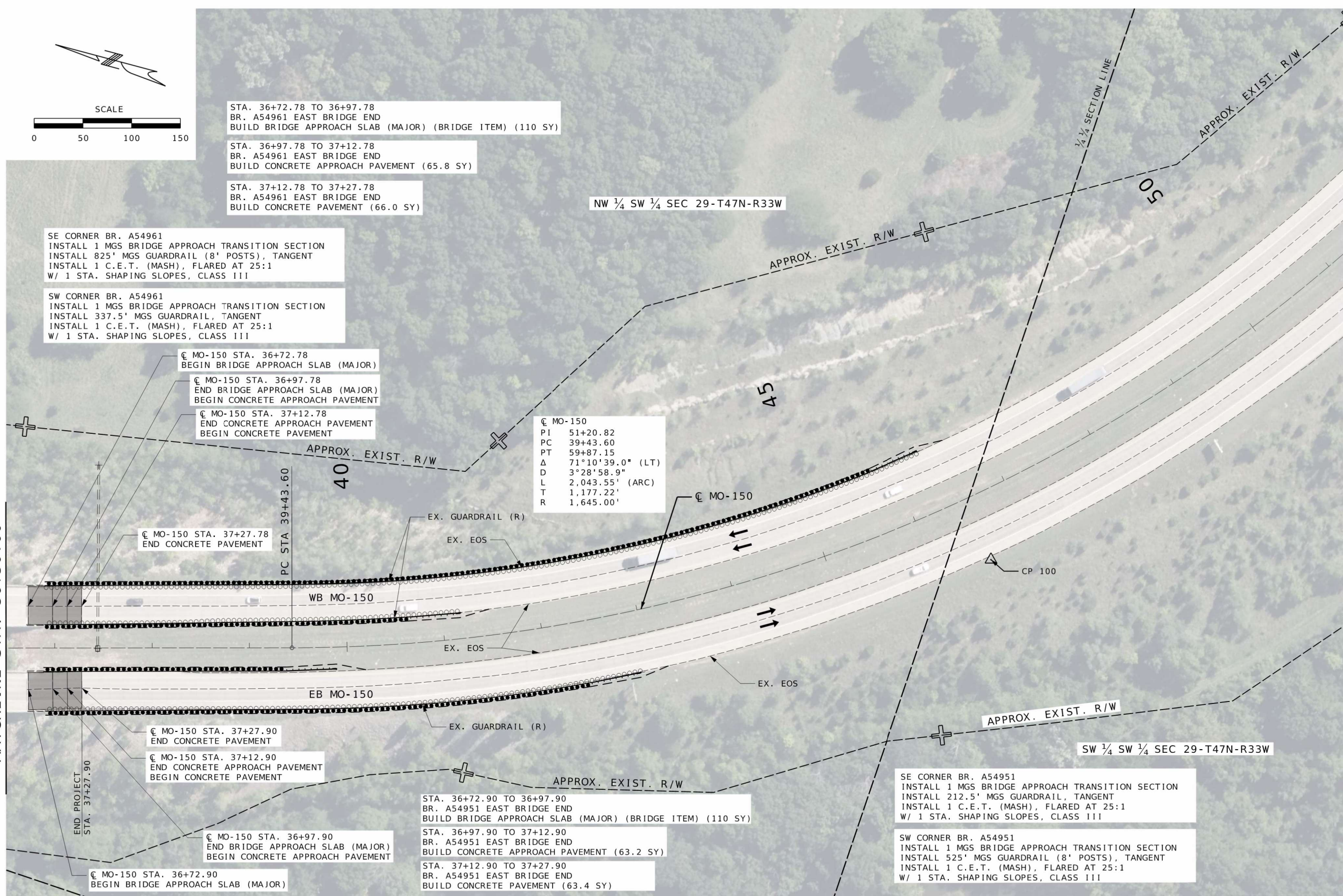
STA. 36+97.90 TO 37+12.90
BR. A54951 EAST BRIDGE END
BUILD CONCRETE APPROACH PAVEMENT (63.2 SY)

STA. 37+12.90 TO 37+27.90
BR. A54951 EAST BRIDGE END
BUILD CONCRETE PAVEMENT (63.4 SY)

SE CORNER BR. A54951
INSTALL 1 MGS BRIDGE APPROACH TRANSITION SECTION
INSTALL 212.5' MGS GUARDRAIL, TANGENT
INSTALL 1 C.E.T. (MASH), FLARED AT 25:1
W/ 1 STA. SHAPING SLOPES, CLASS III

SW CORNER BR. A54951
INSTALL 1 MGS BRIDGE APPROACH TRANSITION SECTION
INSTALL 525' MGS GUARDRAIL (8' POSTS), TANGENT
INSTALL 1 C.E.T. (MASH), FLARED AT 25:1
W/ 1 STA. SHAPING SLOPES, CLASS III

MATCHLINE STA. 36+50.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 6
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

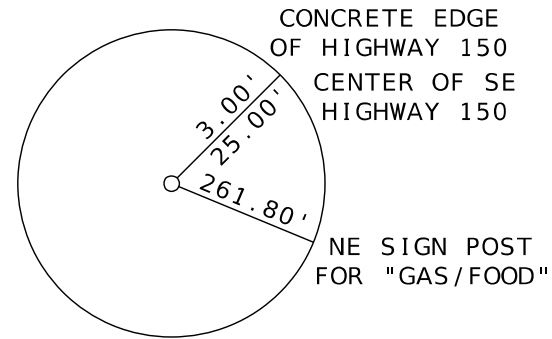
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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PROFESSIONAL
ENGINEER
PE-2006002846

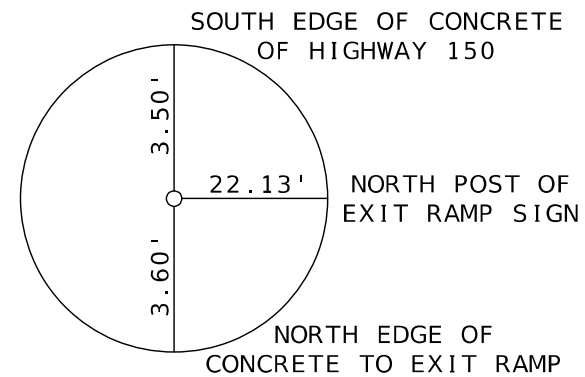
PLAN SHEET
MO-150
SHEET 3 OF 3

MO-150
 STA 46+53.56
 CP#100 OFFSET 66.80 RT



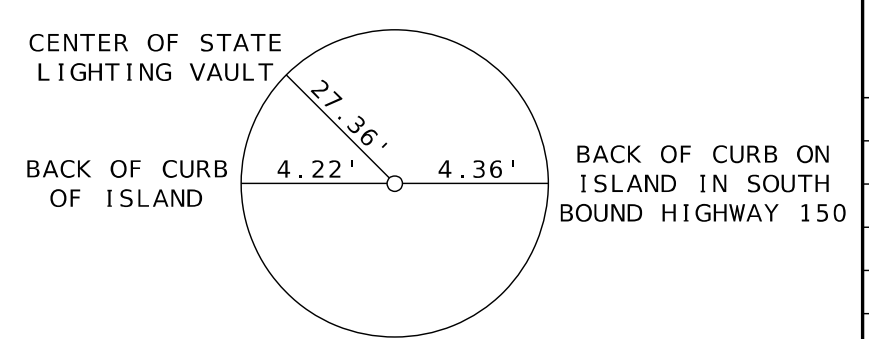
1/2" REBAR
 N: 982,573.2308
 E: 2,760,579.0414
 ELEV. 918.2290'

MO-150
 STA 77+40.04
 CP#101 OFFSET 73.08 RT



1/2" REBAR
 N: 981,751.4230
 E: 2,763,507.2377
 ELEV. 947.2849'

MO-150
 STA 16+40.70
 CP#102 OFFSET 69.54 RT



1/2" REBAR
 N: 985,447.9875
 E: 2,759,643.3839
 ELEV. 898.3783'



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 SIGNED, SEALED, AND DATED
 ELECTRONICALLY.

DATE PREPARED
 5/5/2026

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 7

COUNTY
 JACKSON

JOB NO.
 JKU0140

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)

GBA
 9801 Renner Blvd, Ste. 300
 Lenexa, KS 66219
 913.492.0400
 GBAteam.com

GEORGE BUTLER
 ASSOCIATES, INC.
 PRO. ENGINEER 000133
 ARCHITECT 000212
 PRO. LAND SURVEYOR 000659

REFERENCE POINT SHEET
 SHEET 1 OF 1

SHELBY P. REYNOLDS
 PROFESSIONAL
 ENGINEER
 PE-2023018931

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



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
5/5/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 8

COUNTY JACKSON

JOB NO. JKU0140

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)

GBA
 9801 Renner Blvd, Ste. 300
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GEORGE BUTLER ASSOCIATES, INC.
 PRO. ENGINEER 000133
 ARCHITECT 000212
 PRO. LAND SURVEYOR 000659

SHELBY P. REYNOLDS
 PROFESSIONAL ENGINEER
 PE-2023018931

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 (GROUND)
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88, U.S. FEET
GEOID MODEL	NGS 2018
ELEVATIONS DETERMINED BY	R12 GNSS UNIT
PROJECT PROJECTION FACTOR	1.000096749

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI COORDINATE SYSTEM 1983
CONTROL STATION	MOB4 MODOT BELTON
DESIGNATION	NAD83(NA2011)
CORS_ID	MOB4
PID	DR8625, EPOCH 2010
LATITUDE	38°48'21.59316" N
LONGITUDE	94°30'02.59851" W
NORTHING (M)	292,913.804
EASTING (M)	849,937.306
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99990326

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 #100
 N 982573.2310 X 0.99990326 = N 982478.1769 SP
 E 2760579.0412 X 0.99990326 = E 2760311.9828 SP

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	POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
	46+53.56	MO-150	66.80	982573.2310	2760579.0412	918.2290	SET 1/2" REBAR W/ CONTROL CAP DOWN 0.10'	100
	77+40.04	MO-150	73.08	981751.4230	2763507.2377	947.2849	SET 1/2" REBAR W/ CONTROL CAP NEAR HOLMES RD.	101
	16+40.70	MO-150	69.54	985447.9875	2759643.3839	898.3783	SET 1/2" REBAR W/ CONTROL CAP ON ISLAND AT THE SW CORNER OF WYANDOTTE ST. AND HWY 150.	102
ALIGNMENTS								
	1+00.00	MO-150		986984.28	2759527.47		POB	
	3+45.60	MO-150		986739.02	2759514.61		PC	
	7+99.37	MO-150		986285.87	2759490.86		PI	
	12+45.66	MO-150		985847.56	2759608.31		PT	
	39+43.60	MO-150		983241.55	2760306.59		PC	
	51+20.82	MO-150		982104.45	2760611.27		PI	
	59+87.15	MO-150		982025.97	2761785.87		PT	
	68+84.46	MO-150		981966.15	2762681.18		PC	
	71+85.10	MO-150		981946.11	2762981.15		PI	
	74+84.50	MO-150		981879.39	2763274.29		PT	
	81+71.39	MO-150		981726.95	2763944.05		POE	
	100+00.00	WB CROSSOVER 1		985804.39	2759657.15		POB/PC	
	101+70.67	WB CROSSOVER 1		985639.54	2759701.32		PI	
	103+40.05	WB CROSSOVER 1		985469.08	2759709.72		PRC	
	105+10.72	WB CROSSOVER 1		985298.62	2759718.13		PI	
	106+80.10	WB CROSSOVER 1		985133.77	2759762.30		PT/POE	
	200+00.00	EB CROSSOVER 1		985782.65	2759576.01		POB/PC	
	201+84.52	EB CROSSOVER 1		985604.42	2759623.77		PI	
	203+67.41	EB CROSSOVER 1		985441.74	2759710.84		PRC	
	205+51.93	EB CROSSOVER 1		985279.06	2759797.91		PI	
	207+34.83	EB CROSSOVER 1		985100.83	2759845.67		PT/POE	
	100+00.00	WB CROSSOVER 2		983235.72	2760270.88		POB/PC	
	109+82.73	WB CROSSOVER 2		982286.47	2760525.23		PI	
	117+53.92	WB CROSSOVER 2		982106.00	2761491.25		PT	
	118+64.61	WB CROSSOVER 2		982085.68	2761600.06		POE	
	200+00.00	EB CROSSOVER 2		982200.61	2761233.99		POB	
	200+80.07	EB CROSSOVER 2		982167.69	2761306.98		PC	
	202+92.99	EB CROSSOVER 2		982080.16	2761501.08		PI	
	205+02.67	EB CROSSOVER 2		982054.29	2761712.42		PT	
	216+85.24	EB CROSSOVER 2		981910.62	2762886.23		POE	



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
03/27/2026	
ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	9
COUNTY	
JACKSON	
JOB NO.	
JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

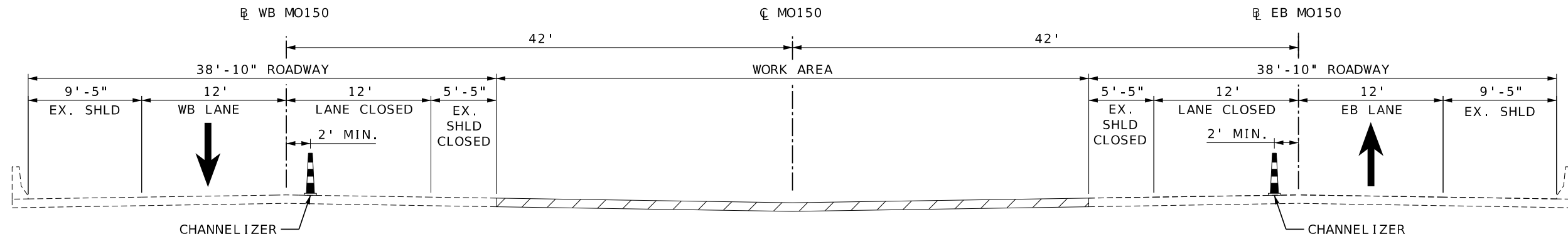
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

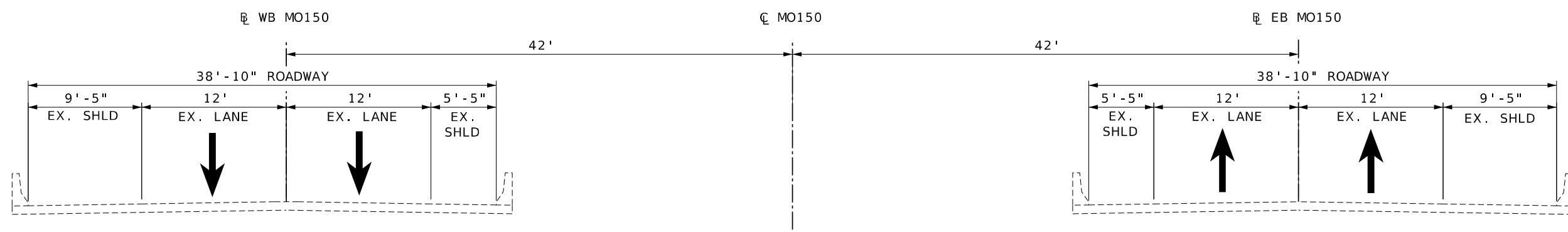
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planners

ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

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



PHASE 0



EXISTING CONDITION

TRAFFIC CONTROL
TYPICAL SECTIONS
BRIDGE CONSTRUCTION
PHASING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 10

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

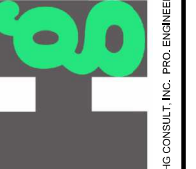
BRIDGE NO.

DESCRIPTION	DATE

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

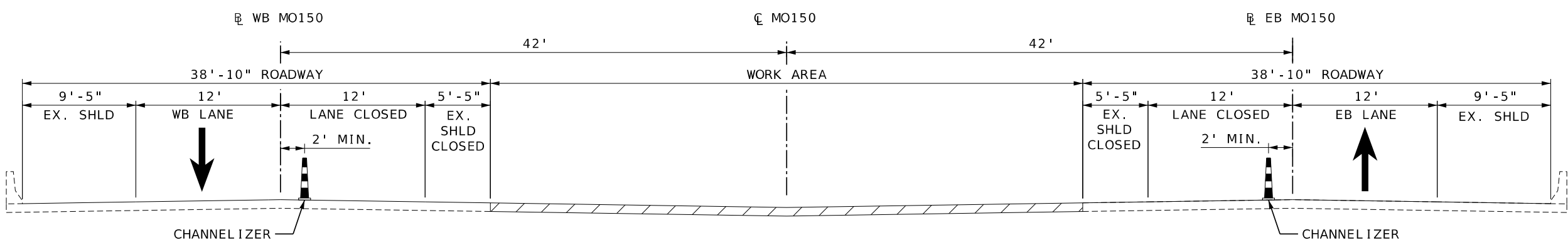


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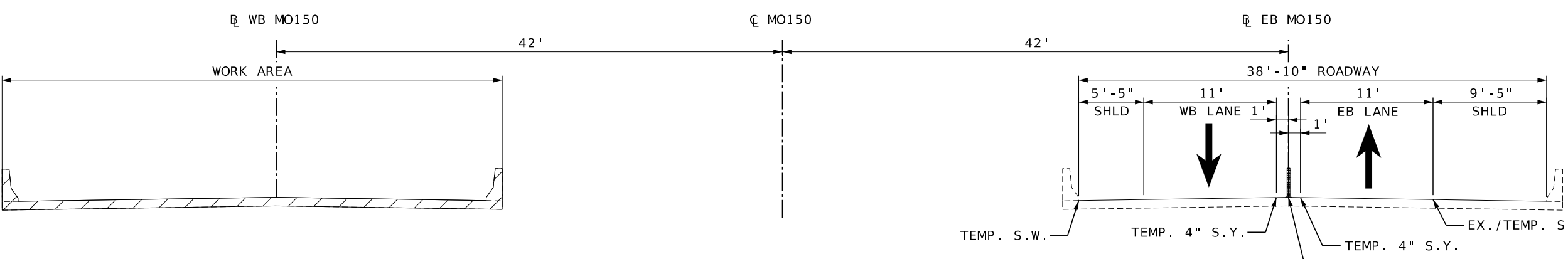


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PROFESSIONAL
ENGINEER
PE-2006002846

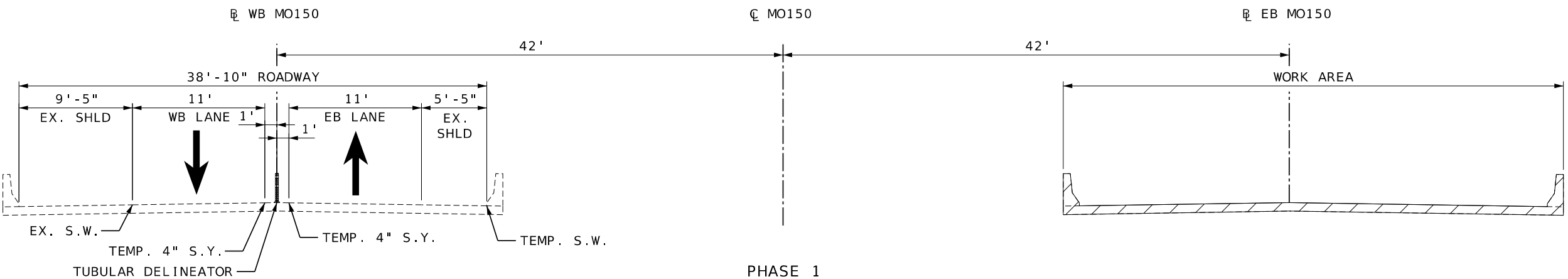
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



PHASE 3



PHASE 2



PHASE 1

TRAFFIC CONTROL
TYPICAL SECTIONS
BRIDGE CONSTRUCTION
PHASING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT 11 COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.


PROJECT NO.

BRIDGE NO.

DESCRIPTION

DESCRIPTION	DATE

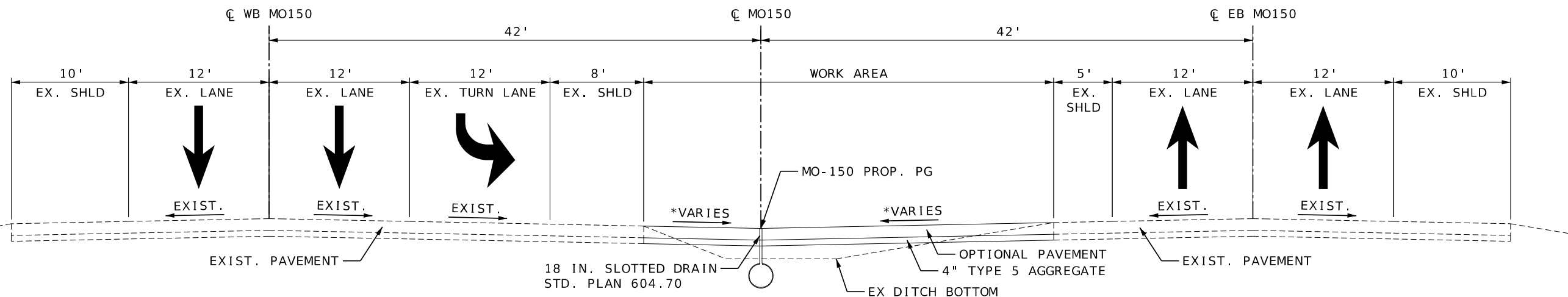
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

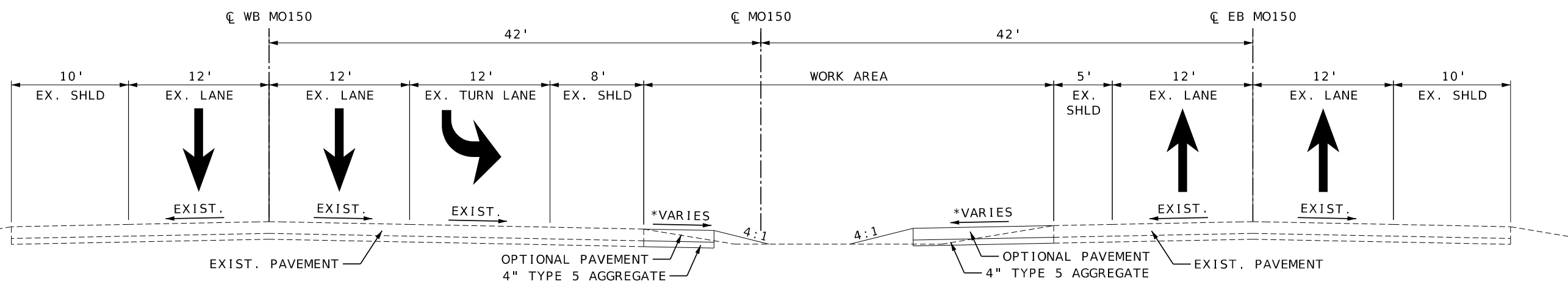

 engineers
 planners

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 PROFESSIONAL ENGINEER
 PE-2006002846

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



PHASE 0
 PROPOSED TYPICAL SECTION
 TEMPORARY PAVEMENT - EB & WB Crossover 1
 MO-150: STA. 15+70.00 TO STA. 17+47.63



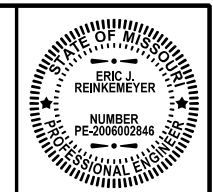
PHASE 0
 PROPOSED TYPICAL SECTION
 TEMPORARY PAVEMENT - EB & WB Crossover 1
 MO-150: STA. 17+47.63 TO STA. 18+05.87

PHASE 0
 PROPOSED TYPICAL SECTION
 TEMPORARY PAVEMENT - EB & WB Crossover 1
 MO-150: STA. 17+47.63 TO STA. 19+35.39

TEMPORARY OPTIONAL PAVEMENT DESIGNS			
LOCATION	BASE TYPE	HMA DESIGN	PCCP DESIGN
TEMP. CROSS OVER	4" TYPE 5 AGGREGATE BASE	8" HMA 2" BP-1 x/ PG 64-22 OVER 6" BB w/ PG 64-22	7.5" JPCP WIDENED SLAB 15FT. JOINT SPACING, 1.25" DOWELS

TRAFFIC CONTROL
 TYPICAL SECTIONS
 WEST TEMPORARY CROSSOVERS

M.E. = MATCH EXISTING CROSS SLOPE
 *VARIES = SEE CROSSOVER PLAN SHEETS FOR DETAILS



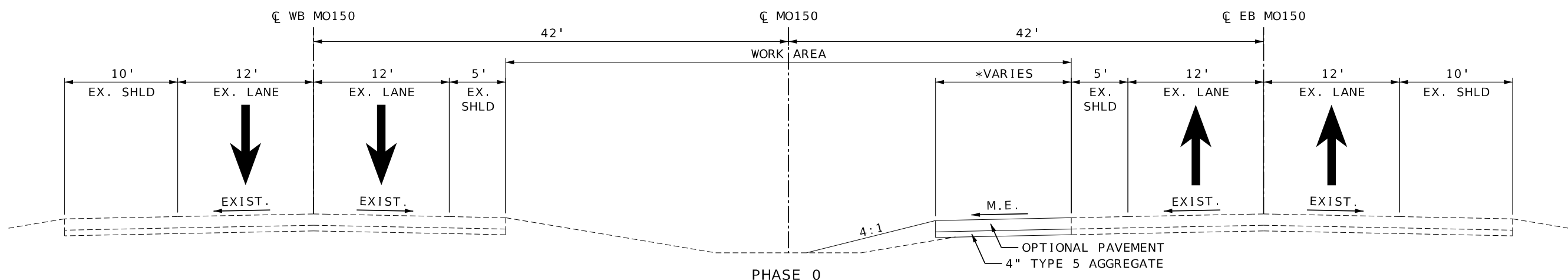
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DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 12
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

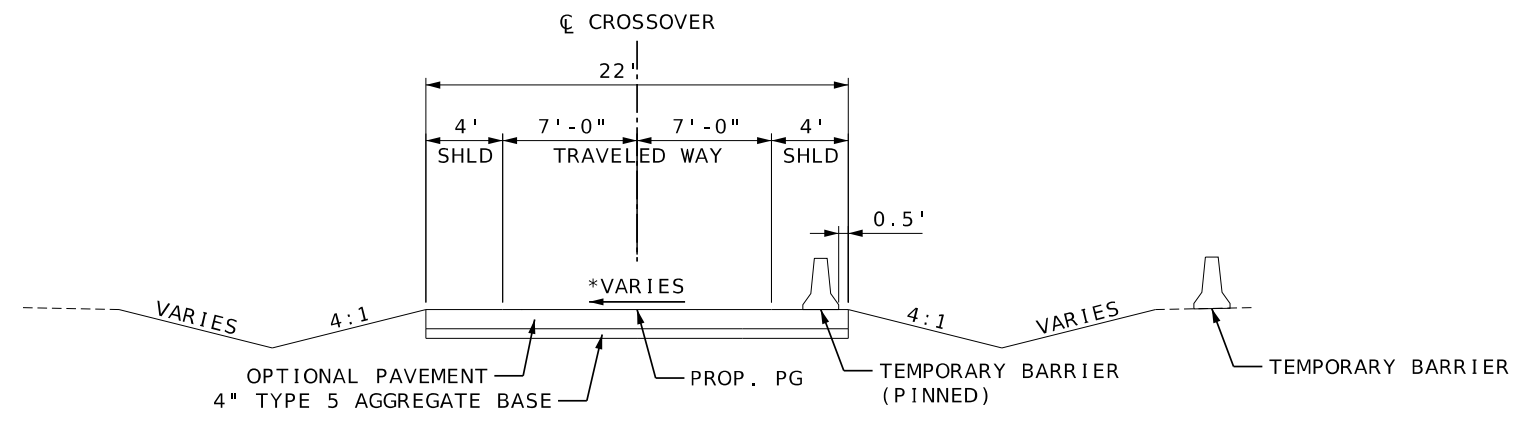
DESCRIPTION	DATE

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

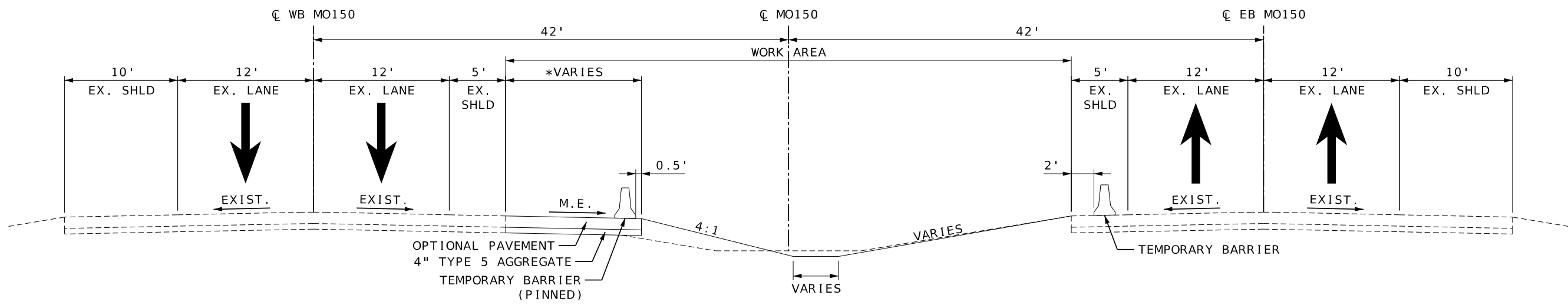
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 PE-200602846



PHASE 0
 PROPOSED TYPICAL SECTION
 TEMPORARY PAVEMENT - EB & WB CROSSOVER 2
 WB CROSSOVER 2: STA. 101+27.67 TO STA. 109+34.15
 EB CROSSOVER 2: STA. 211+89.25 TO STA. 216+85.24



PHASE 0
 PROPOSED TYPICAL SECTION
 TEMPORARY PAVEMENT - EB & WB CROSSOVER 2
 WB CROSSOVER 2: STA. 109+34.15 TO STA. 114+77.71
 EB CROSSOVER 2: STA. 206+44.34 TO STA. 211+89.25

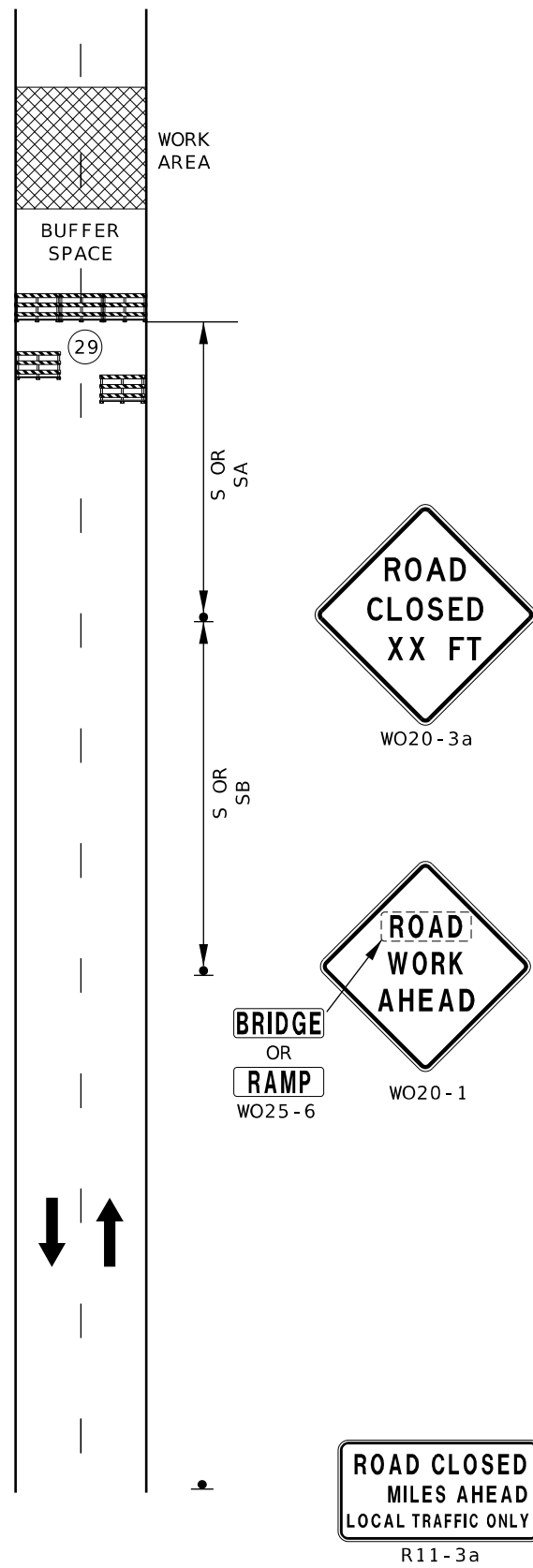


PHASE 0
 PROPOSED TYPICAL SECTION
 TEMPORARY PAVEMENT - EB & WB CROSSOVER 2
 WB CROSSOVER 2: STA. 114+77.71 TO STA. 116+94.03
 EB CROSSOVER 2: STA. 202+16.14 TO STA. 206+44.34

M.E. = MATCH EXISTING CROSS SLOPE
 *VARIES = SEE CROSSOVER PLAN SHEETS FOR DETAILS

TRAFFIC CONTROL
 TYPICAL SECTIONS
 EAST TEMPORARY CROSSOVERS

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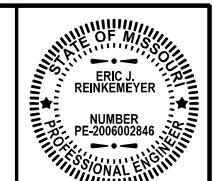
NOTES:

SEE TRAFFIC CONTROL SHEET 14 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

"ROAD CLOSED" SIGN MAY BE PLACED 7-10 FEET BEHIND THE BARRICADES AND AT A SIGN HEIGHT APPROPRIATE TO THE TYPE OF ROADWAY. ONE BARRICADE SHOULD BE REQUIRED TO COMPLETELY CLOSE EACH 8-FEET OF PAVEMENT. PAVED SHOULDERS SHALL BE INCLUDED IN THE AREA TO BE CLOSED.

IF USED, THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" OR "ROAD CLOSED TO THRU TRAFFIC" SIGN SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE ENGINEER, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE. ADDITIONAL BARRICADES MAY BE USED AND OFFSETTED TO FACILITATE ACCESS FOR WORK VEHICLES, LOCAL TRAFFIC, ETC.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO

DISTRICT	SHEET NO.
KC	13

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

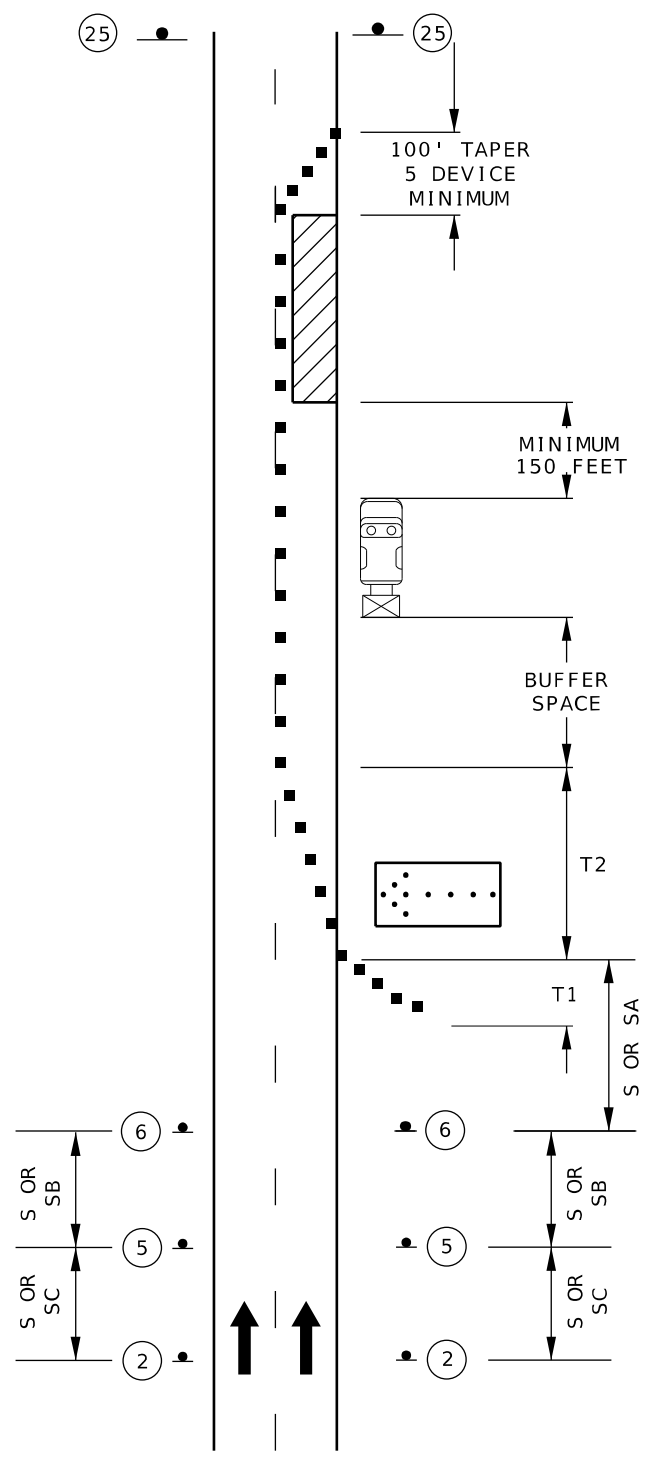
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

**TRAFFIC CONTROL
TYPICAL APPLICATION
TA-08
HIGHWAY CLOSURE
ON UNDIVIDED HIGHWAY**



TWO-LANE DIVIDED HIGHWAY

PERMANENT POSTED SPEED MPH	SIGN SPACING MULTI-LANE (S)	TAPER LENGTH		RECOMMENDED BUFFER LENGTH (B)	CHANNELIZER SPACING	
		SHOULDER* (T1)	LANE* (T2)		TAPERS	BUFFER/WORK AREAS
0-35	200'	70'	245'	250'	35'	40'
40-45	500'	150'	540'	360'	40'	80'
50-55	1000'	185'	660'	495'	50'	80'
60-70	SA - 1000' SB - 1500' SC - 2640'	235'	840'	730'	60'	120'

* SHOULDER TAPER LENGTH BASED ON 10' SHOULDER AND 12' LANE WIDTH.

NOTES:

- SEE TABLE FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.
- THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGN SHALL BE SUBSTITUTED.
- WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.
- TEMPORARY TRAFFIC BARRIERS, IF USED SHALL COMPLY WITH THE PROVISIONS IN EPG 616.6.85 TEMPORARY TRAFFIC BARRIER AND REVIEW TA-34 LANE CLOSURE WITH A TEMPORARY TRAFFIC BARRIER.
- REVIEW EPG TA-34a LANE CLOSURE WITH WIDTH AND LANE RESTRICTIONS DE/CM FOR A LANE CLOSURE WITH WIDTH RESTRICTIONS.
- AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.
- REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.
- IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.
- REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

TRAFFIC CONTROL
TYPICAL APPLICATION
TA-33
STATIONARY
LANE CLOSURE
ON DIVIDED HIGHWAY

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 03/27/2026

ROUTE: 150 STATE: MO DISTRICT: KC SHEET NO.: 14

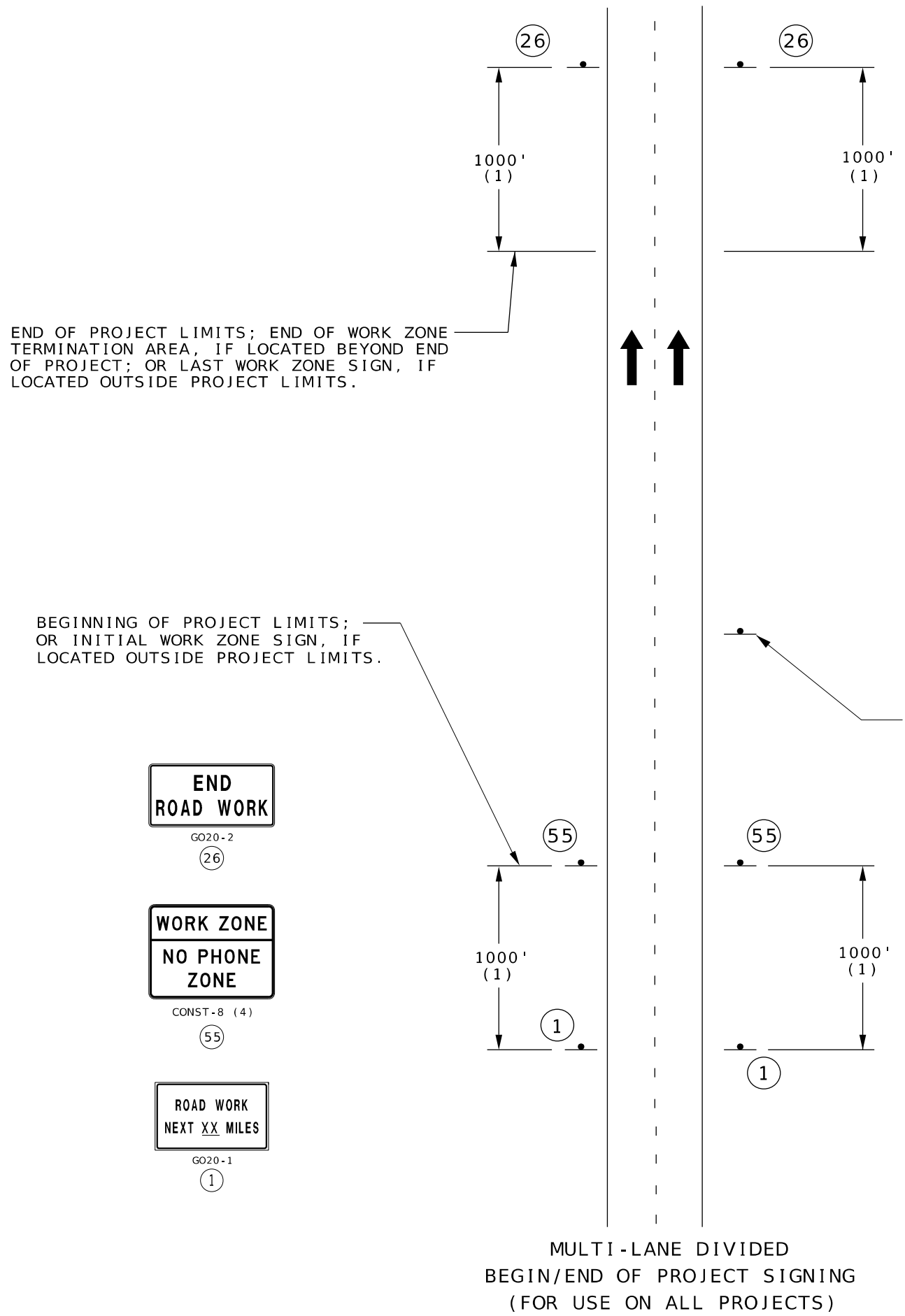
COUNTY: JACKSON JOB NO.: JKU0140 CONTRACT ID.: PROJECT NO.: BRIDGE NO.:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Consult Inc engineers planners

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



NOTES:
SIGN 1 IS REQUIRED PER EPG 616.6.56.
SIGN 26 IS USED ON ALL PROJECTS WHERE SIGN 1 IS USED.
OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
(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) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN GO20-1 ROAD WORK NEXT XX MILES.
(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHTS OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.
(4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.



CONST-5-96 (2)(3)

TRAFFIC CONTROL
TYPICAL APPLICATION
TA-50
BEGIN/END
PROJECT SIGNING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	15
COUNTY	
JACKSON	
JOB NO.	
JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 16
COUNTY JACKSON	
JOB NO. JKU0140	
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)

Consult Inc
engineers planners

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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

PHASE 0 CONSTRUCTION:
CONSTRUCT TEMPORARY MEDIAN CROSSOVERS AND
INSTALL GUARDRAIL TO BE USED IN BRIDGE
PHASES 1 AND 2

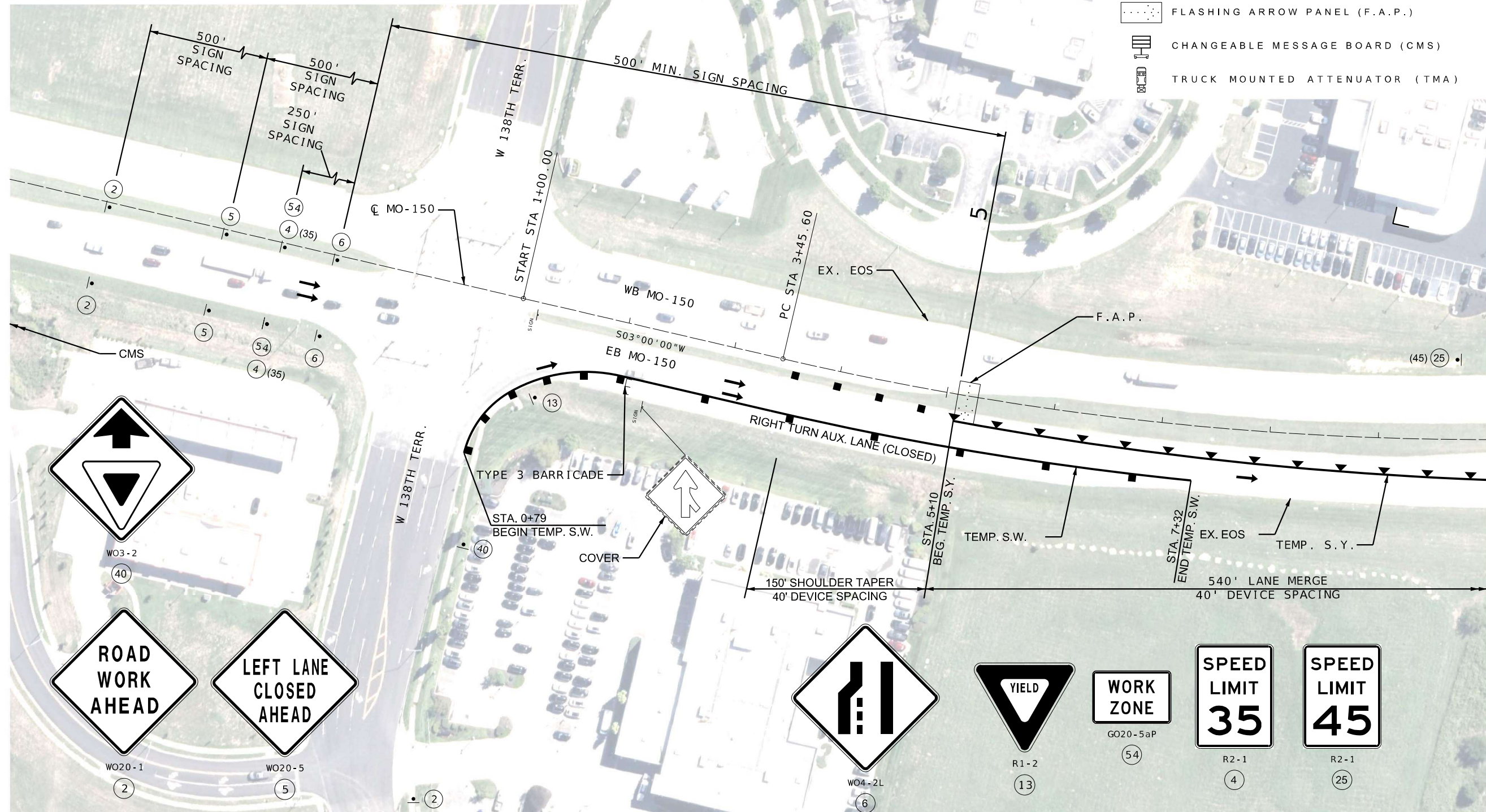
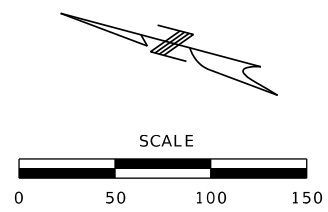
PHASE 0 TRAFFIC CONTROL:
CLOSE INSIDE LANE ON EB AND WB MO-150
CLOSE WYANDOTTE ST. INTERSECTION TO
CROSS TRAFFIC AND CLOSE WYANDOTTE ST.
FROM MO-150 TO WASHINGTON ST.

COVER EXISTING SIGNAL HEADS AT MO-150/WYANDOTTE
ST. INTERSECTION. INTERSECTION TO OPERATE AS
UNSIGNALIZED.

NOTE: EXISTING SIGNS OR PAVEMENT
MARKINGS THAT CONFLICT WITH
TEMPORARY TRAFFIC CONTROL SHALL
BE COVERED OR REMOVED.

TRAFFIC CONTROL LEGEND

- CHANNELIZER
- ▶ DIRECTIONAL INDICATOR BARRICADE
- ◆ TUBULAR MARKER
- E BARRICADE
- ◻ FLASHING ARROW PANEL (F.A.P.)
- ◻ CHANGEABLE MESSAGE BOARD (CMS)
- ◻ TRUCK MOUNTED ATTENUATOR (TMA)



TRAFFIC CONTROL SHEET
PHASE 0
SHEET 1 OF 8



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 17
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

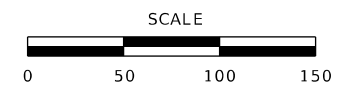
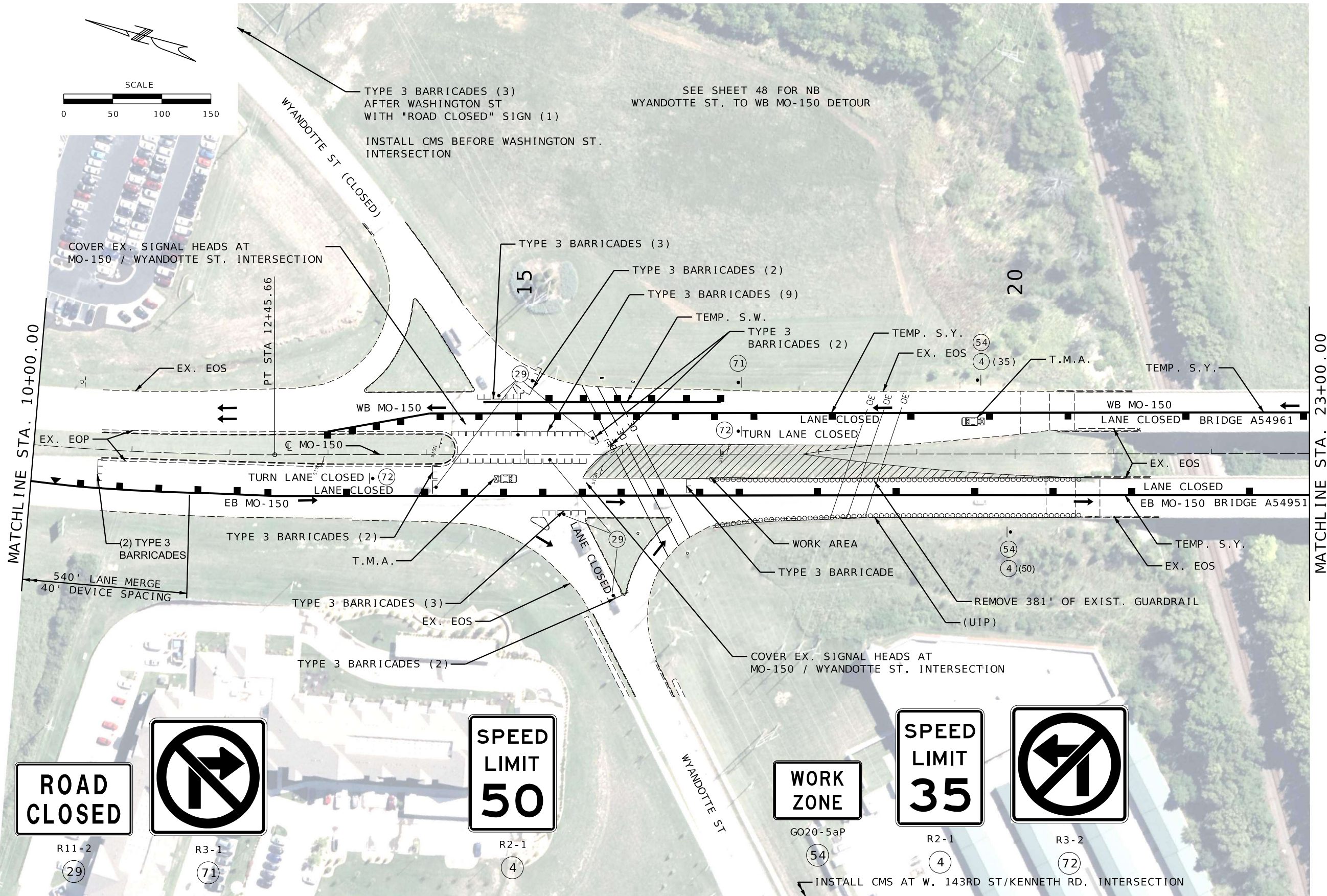
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

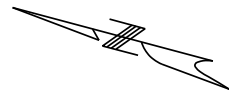
Consult Inc engineers planners

 HG CONSULTING, INC. PRO. ENGINEER 201005873
 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

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

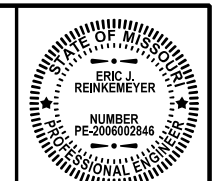
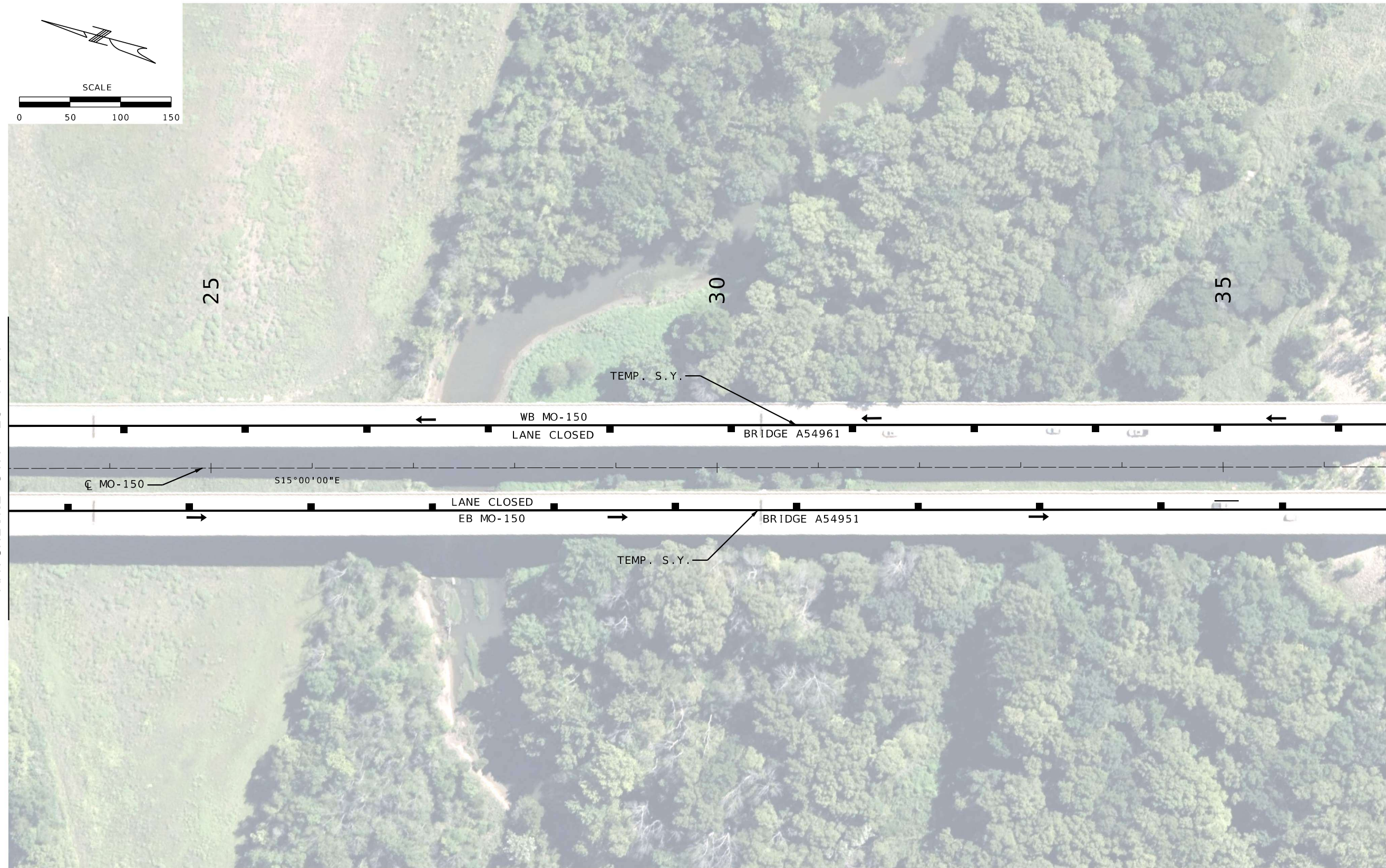


TRAFFIC CONTROL SHEET
 PHASE 0
 SHEET 2 OF 8



MATCHLINE STA. 23+00.00

MATCHLINE STA. 36+50.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE STATE
150 MO

DISTRICT SHEET NO.
KC 18

COUNTY
JACKSON


JOB NO.
JKU0140


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

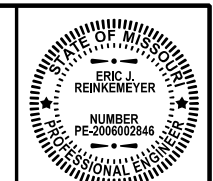
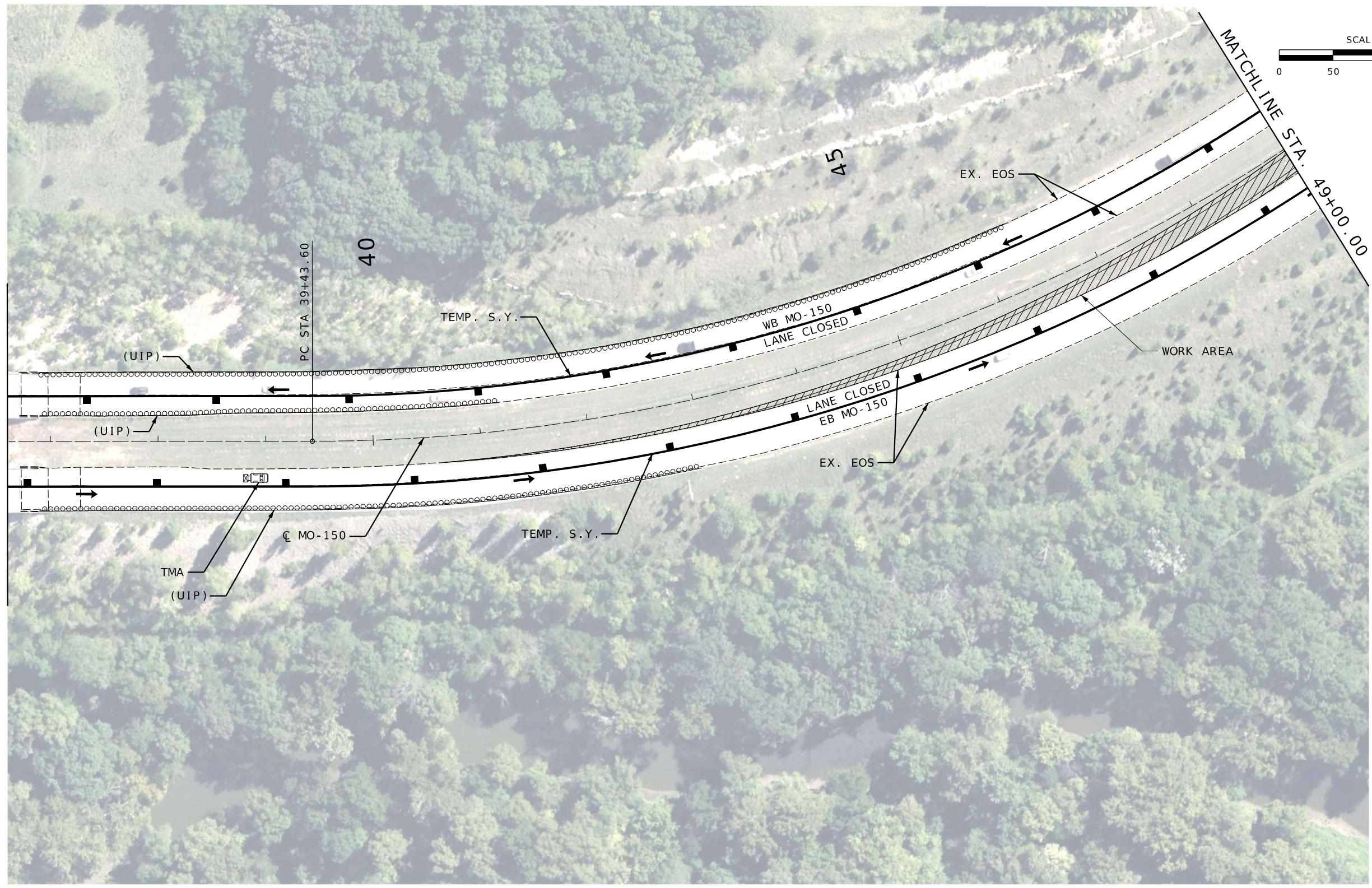
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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


 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

TRAFFIC CONTROL SHEET
 PHASE 0
 SHEET 3 OF 8

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



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DATE PREPARED
03/27/2026

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 19
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

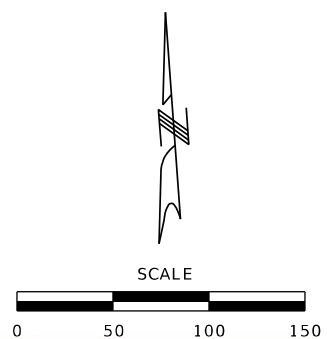
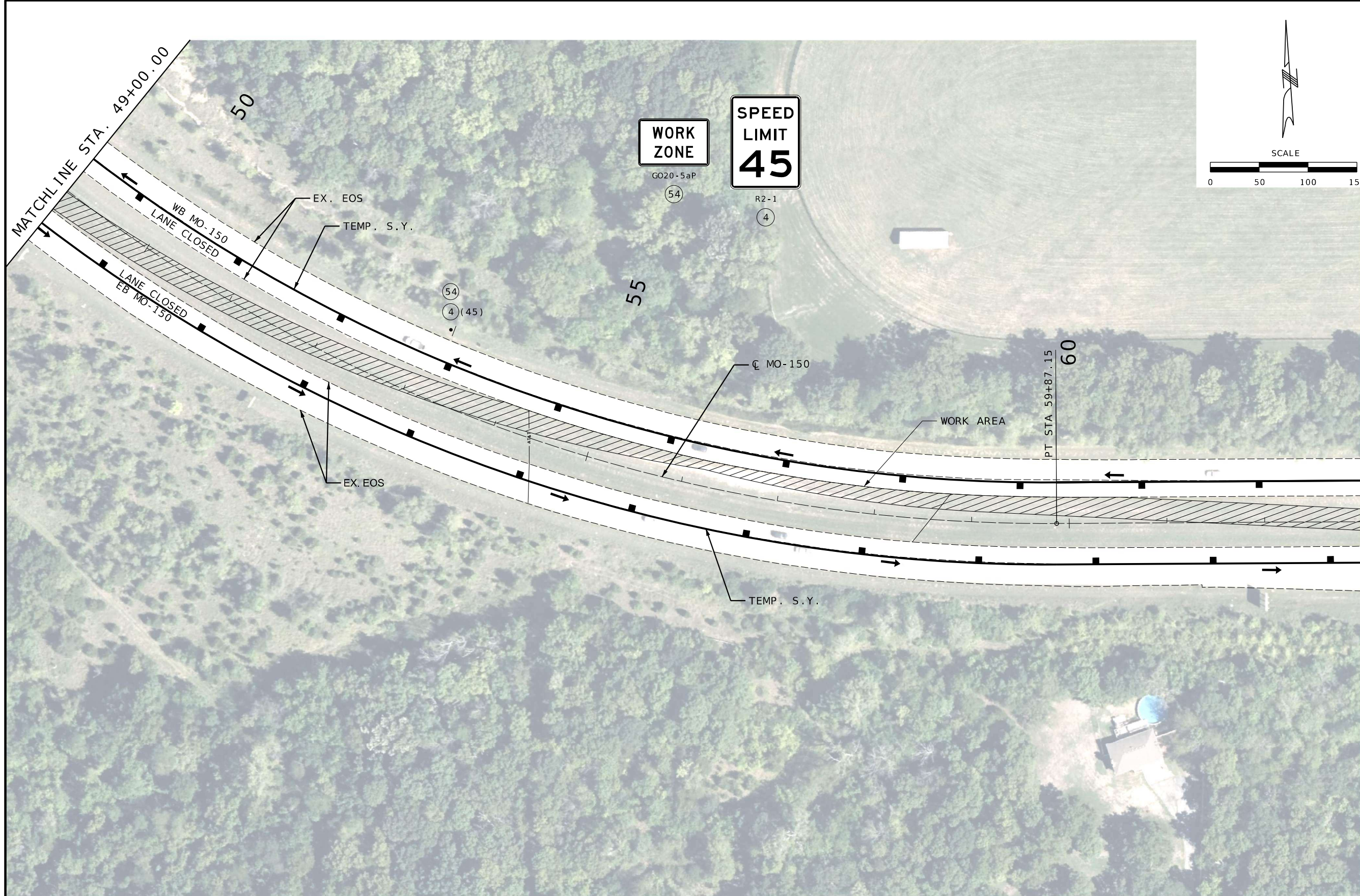
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

HE CONSULT, INC. PRO. ENGINEER 201006873

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 0
SHEET 4 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 20

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

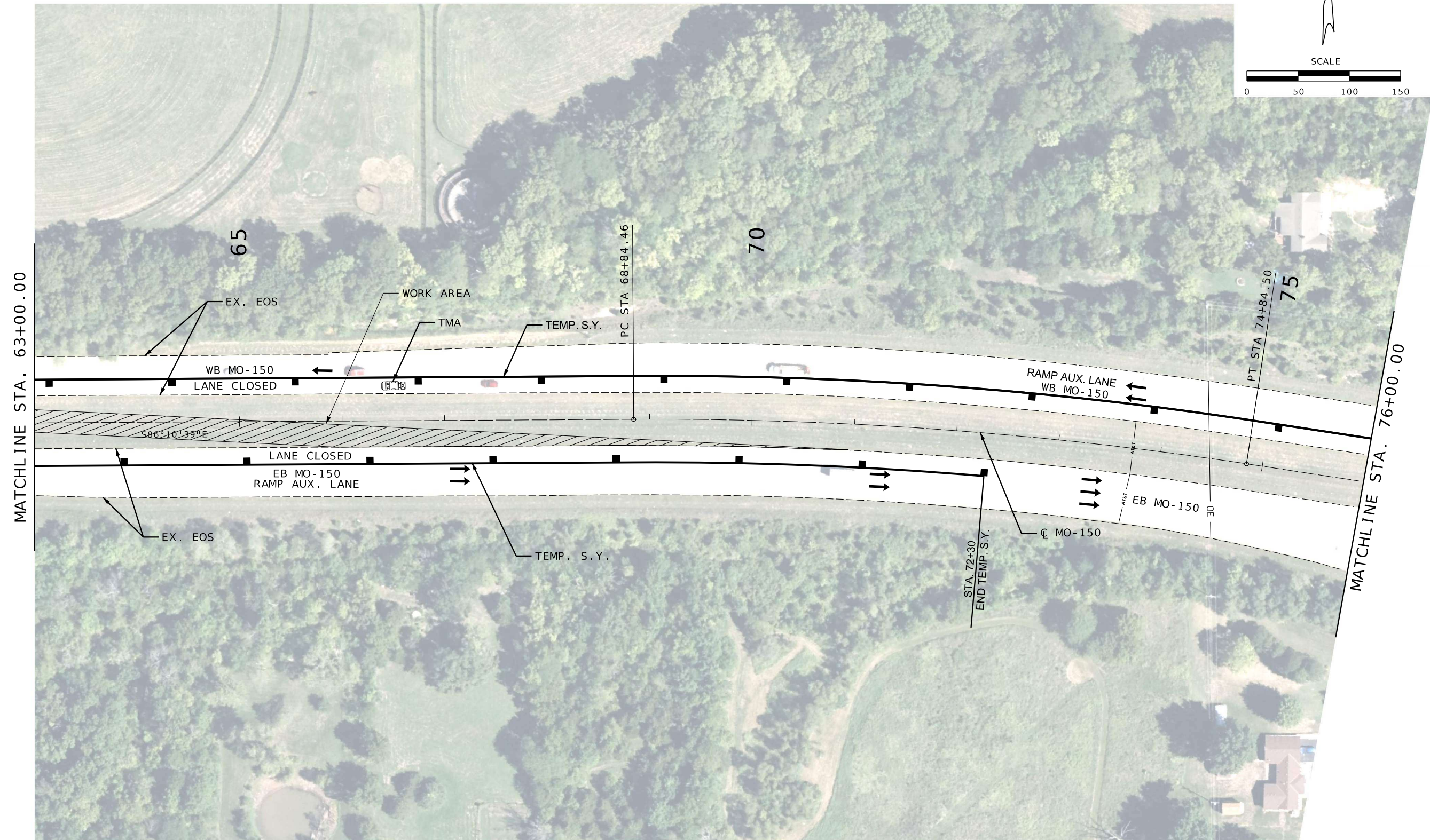
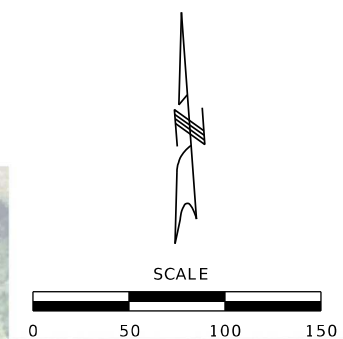
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 0
SHEET 5 OF 8


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




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 21
COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

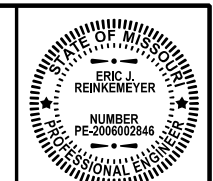
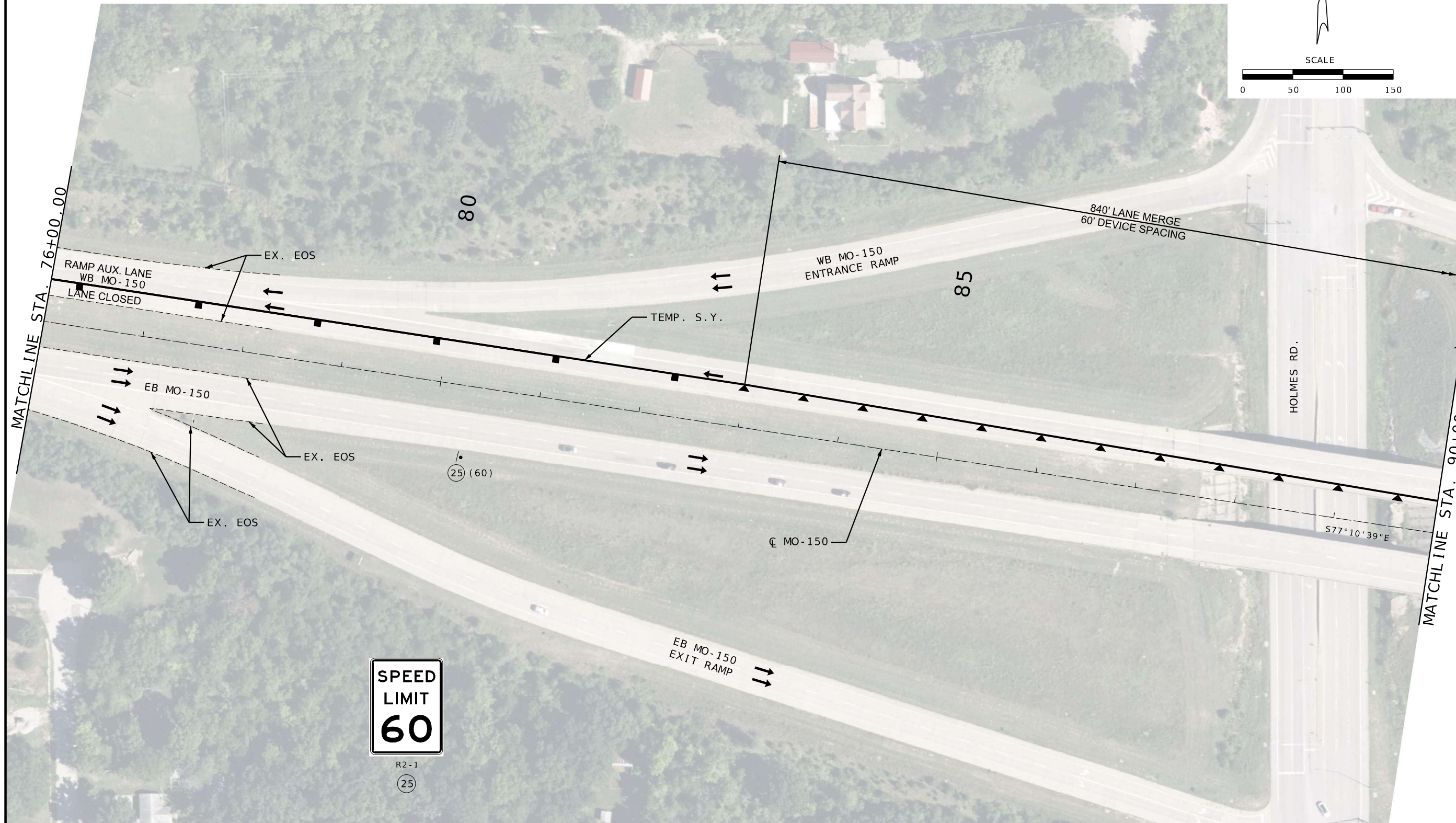
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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


 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

TRAFFIC CONTROL SHEET
 PHASE 0
 SHEET 6 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 22

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

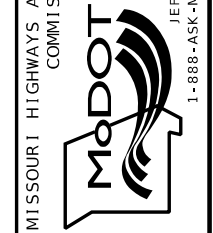
PROJECT NO.

BRIDGE NO.

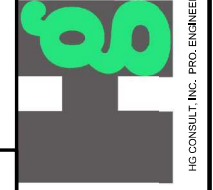
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



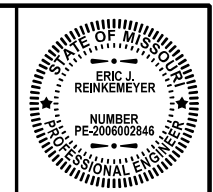
Consult Inc
engineers
planners



ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 0
SHEET 7 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 23

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

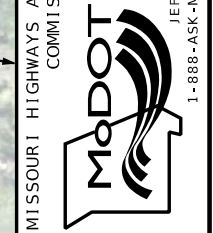
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

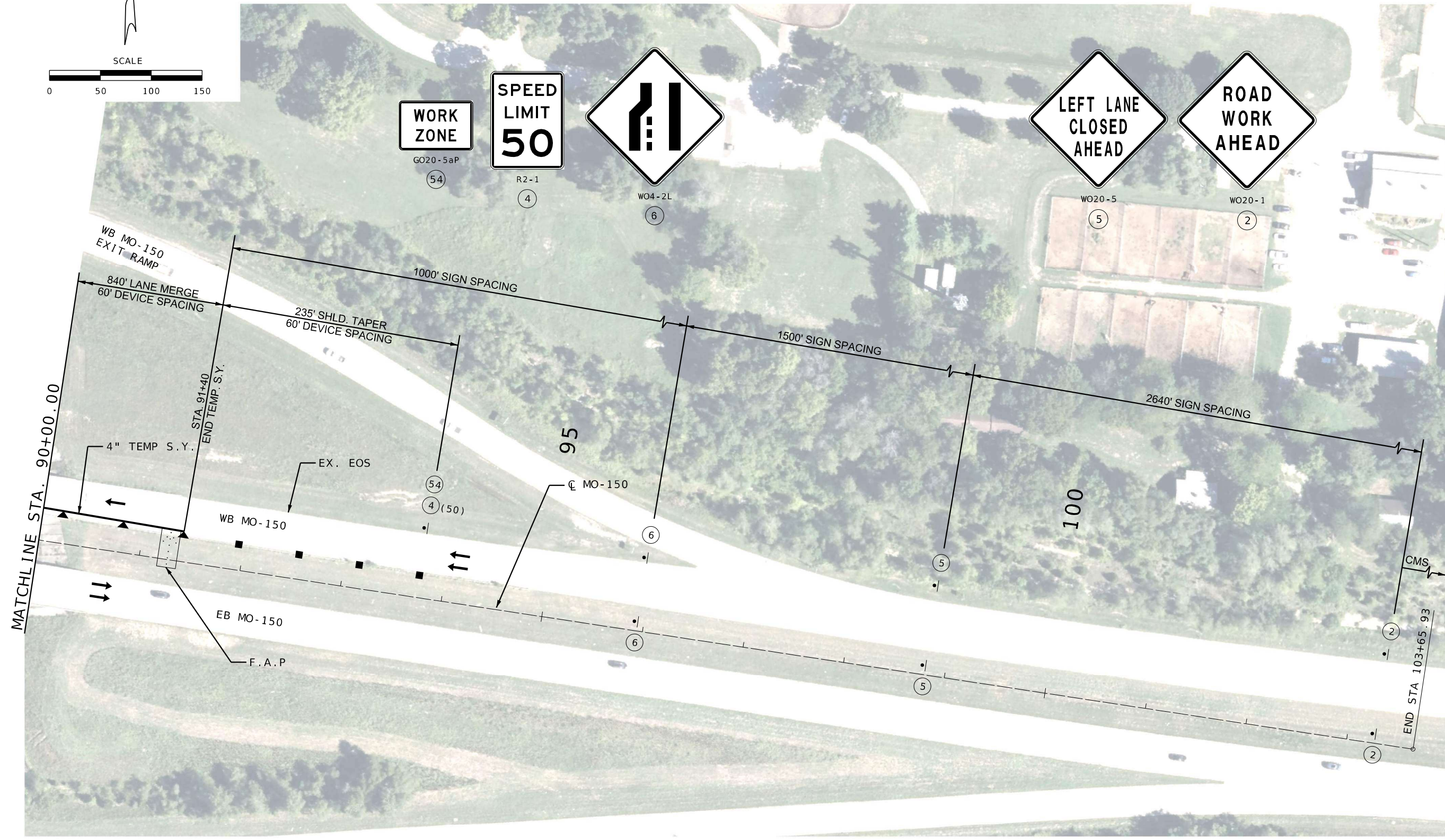
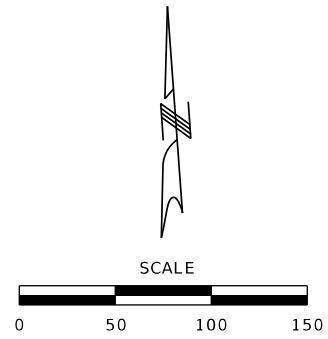
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

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



TRAFFIC CONTROL SHEET
PHASE 0
SHEET 8 OF 8

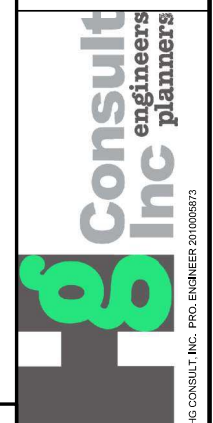


THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 24
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

NO.	DESCRIPTION	DATE

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



ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

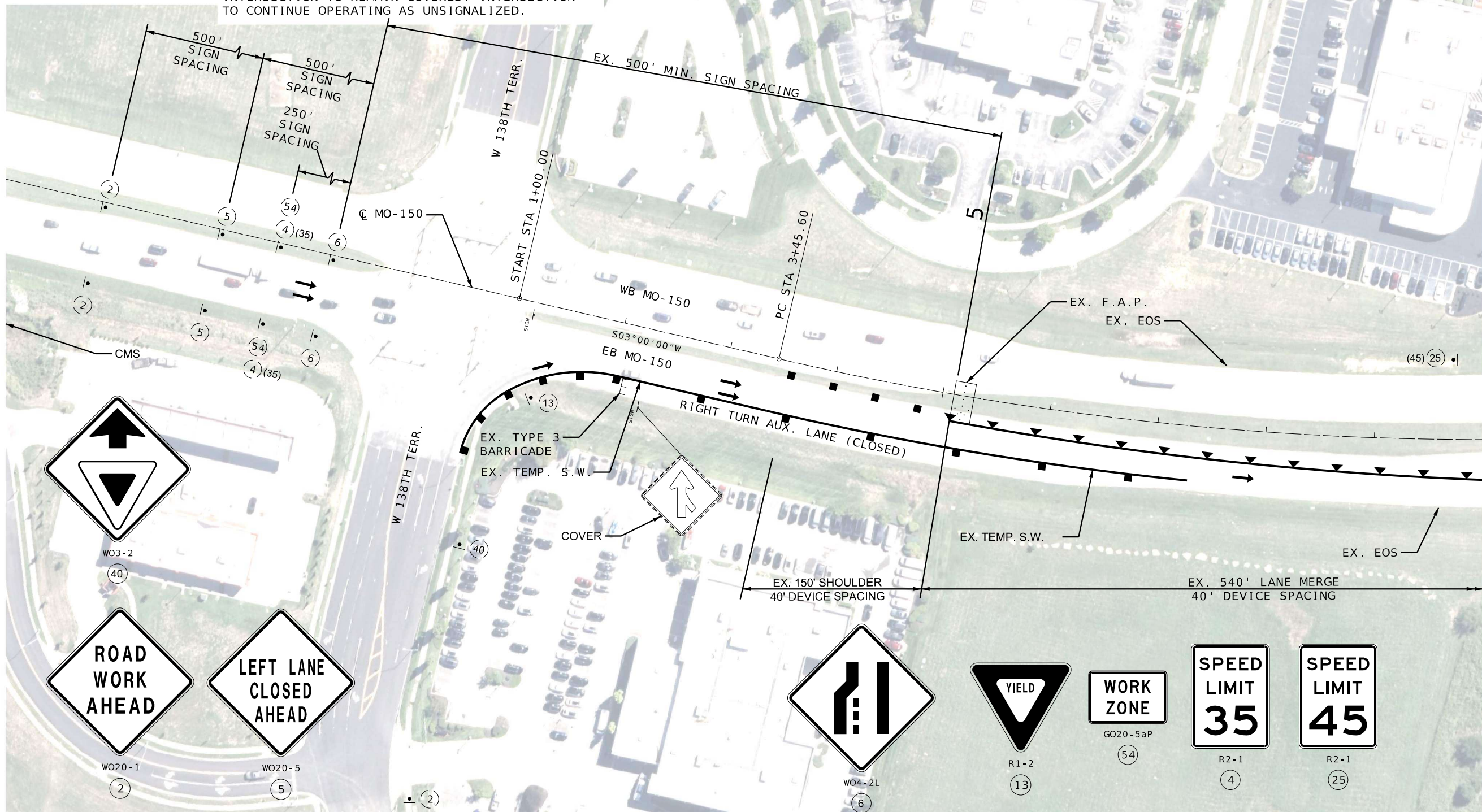
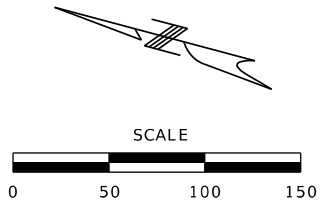
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PHASE 1 CONSTRUCTION:
 CONSTRUCT BRIDGE OVERLAY FOR EB MO-150
 BRIDGE NO. A54951.

ROUTE 150 TRAFFIC SHALL NOT BE ON CROSSOVERS
 BETWEEN THE MONTHS OF DECEMBER 1, 2026 AND
 MARCH 1, 2027, PLEASE REFER TO WORK ZONE TRAFFIC
 MANAGEMENT JSP.

PHASE 1 TRAFFIC CONTROL:
 CLOSE ONE LANE ON EB AND WB MO-150.
 CROSSOVER EB MO-150 TRAFFIC FOR TWO LANE-
 TWO WAY TRAFFIC ON WB ROADWAY SEPARATED
 BY TUBULAR DELINEATORS. CLOSE
 WYANDOTTE ST. INTERSECTION TO CROSS
 TRAFFIC AND CLOSE WYANDOTTE ST. FROM
 MO-150 TO WASHINGTON ST.

EXISTING SIGNAL HEADS AT MO-150 / WYANDOTTE ST.
 INTERSECTION TO REMAIN COVERED. INTERSECTION
 TO CONTINUE OPERATING AS UNSIGNALIZED.



W03-2
40



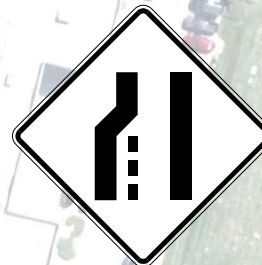
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2



W020-5
5

EX. TYPE 3 BARRICADE
 EX. TEMP. S.W.

COVER



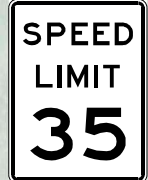
W04-2L
6



R1-2
13



GO20-5aP
54



R2-1
4



R2-1
25

TRAFFIC CONTROL SHEET
 PHASE 1
 SHEET 1 OF 8



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 25

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

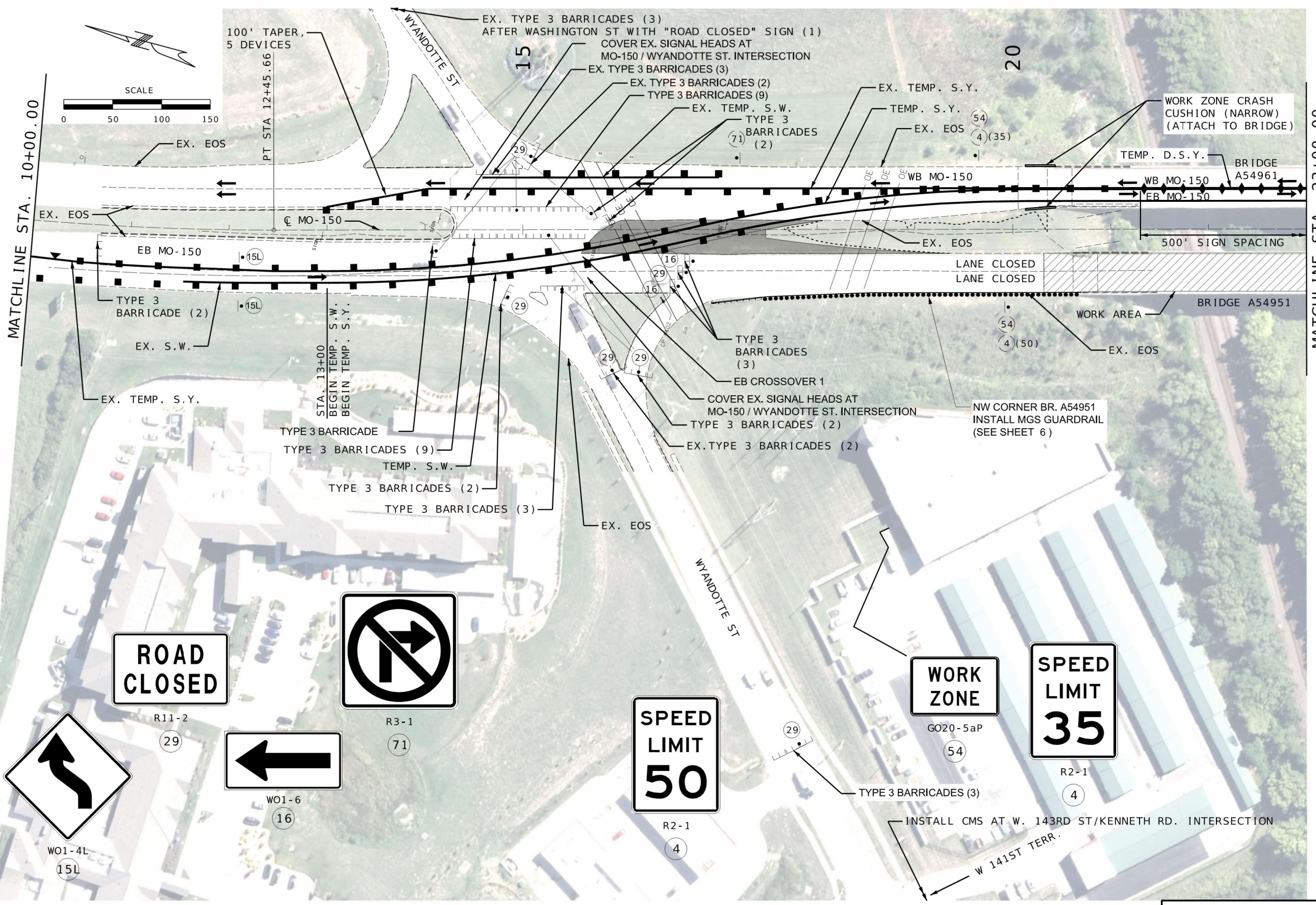
1-888-ASK-MODOT (1-888-275-6361)

Consult engineers planners

PROFESSIONAL ENGINEER 201008873

ERIC REINKEMEYER PROFESSIONAL ENGINEER PE-2006002846

REV.



TRAFFIC CONTROL SHEET
PHASE 1
SHEET 2 OF 8



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE STATE
150 MO

DISTRICT SHEET NO.
KC 26

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

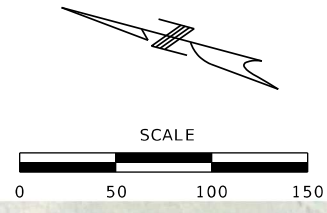
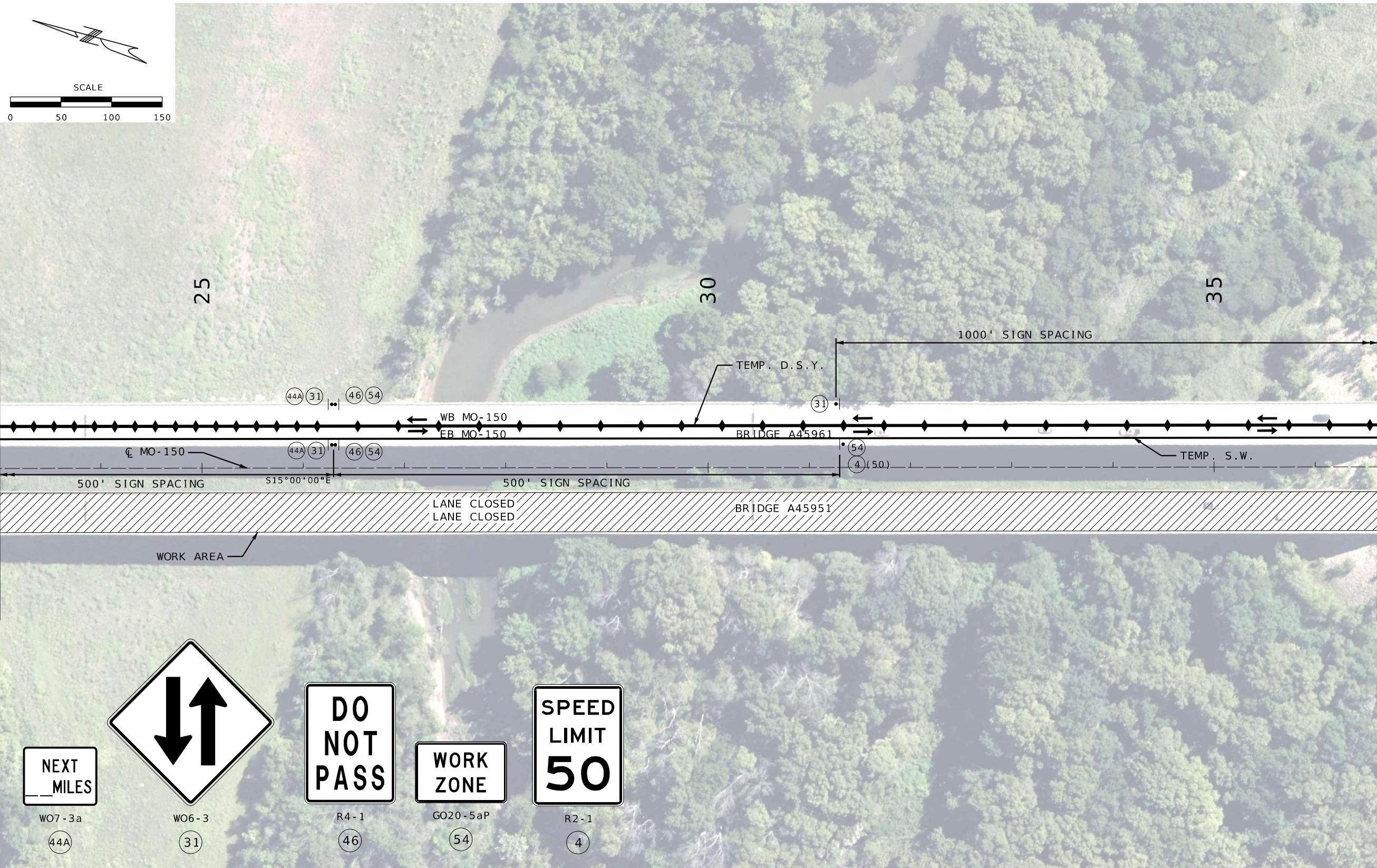
DESCRIPTION	DATE

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

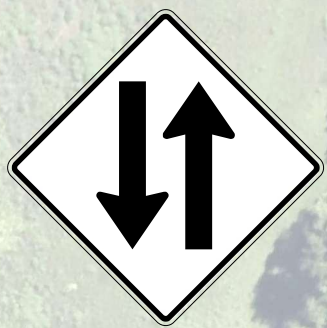
Consult inc
 engineers
 planners

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 PROFESSIONAL ENGINEER
 PE-2006002846

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



NEXT MILES



DO NOT PASS

WORK ZONE

SPEED LIMIT 50

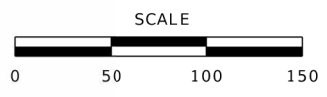
- W07-3a
(44A)
- W06-3
(31)
- R4-1
(46)
- G020-5aP
(54)
- R2-1
(4)

TRAFFIC CONTROL SHEET
 PHASE 1
 SHEET 3 OF 8



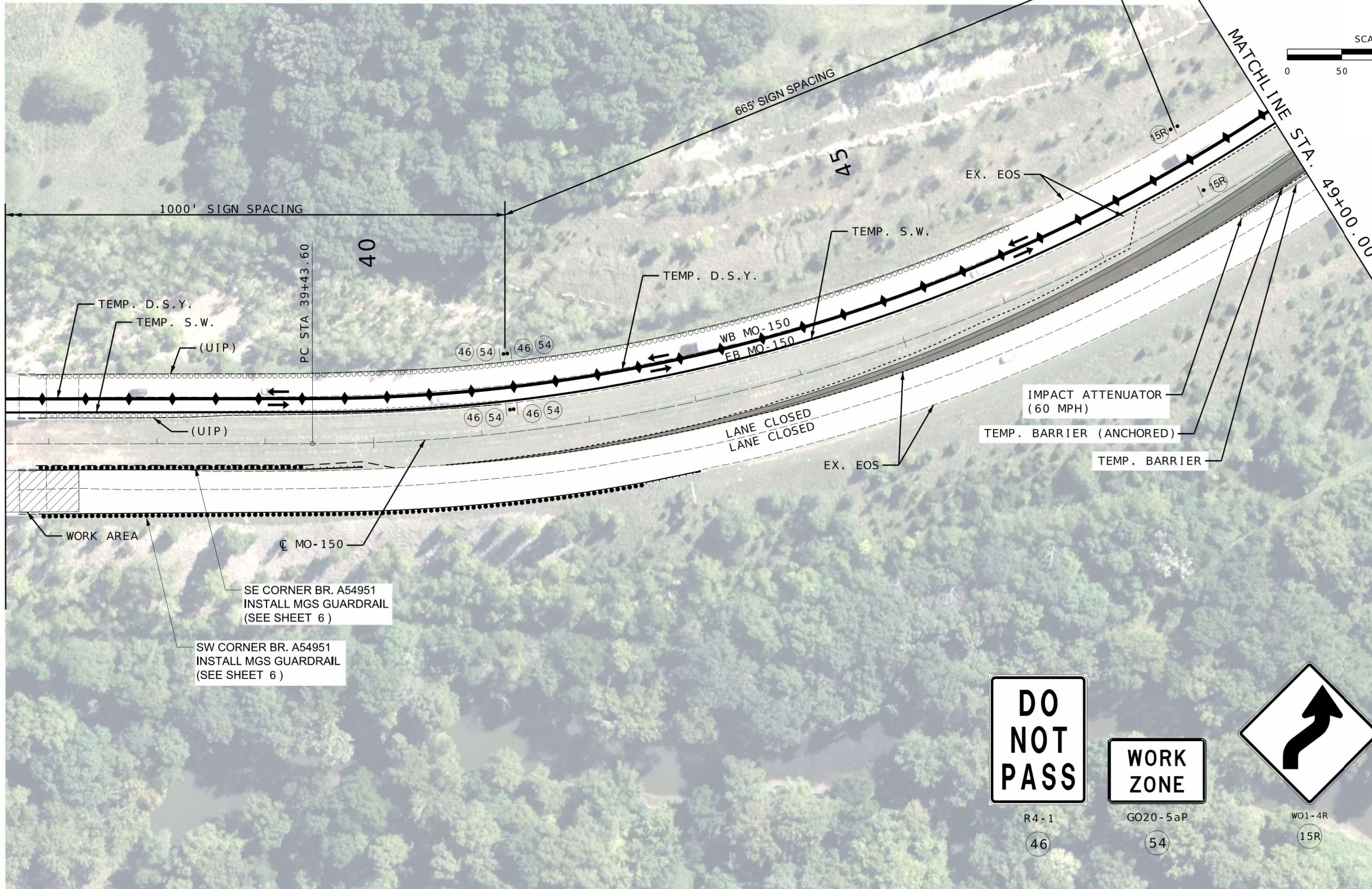
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 27
COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.
PROJECT NO.
BRIDGE NO.



MATCHLINE STA. 36+50.00

MATCHLINE STA. 49+00.00



1000' SIGN SPACING

665' SIGN SPACING

500' SIGN SPACING

40

45

EX. EOS

TEMP. S.W.

TEMP. D.S.Y.

WB MO-150

FB MO-150

IMPACT ATTENUATOR (60 MPH)

TEMP. BARRIER (ANCHORED)

TEMP. BARRIER

EX. EOS

LANE CLOSED
LANE CLOSED

WORK AREA

CL MO-150

SE CORNER BR. A54951
INSTALL MGS GUARDRAIL
(SEE SHEET 6)

SW CORNER BR. A54951
INSTALL MGS GUARDRAIL
(SEE SHEET 6)



R4-1

46



GO20-5aP

54



WO1-4R

15R

TRAFFIC CONTROL SHEET
PHASE 1
SHEET 4 OF 8

DESCRIPTION	DATE

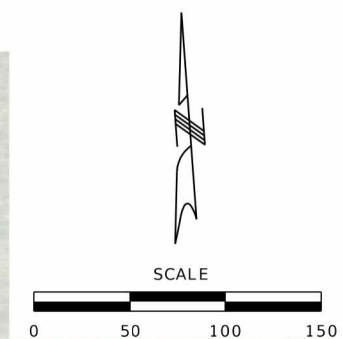
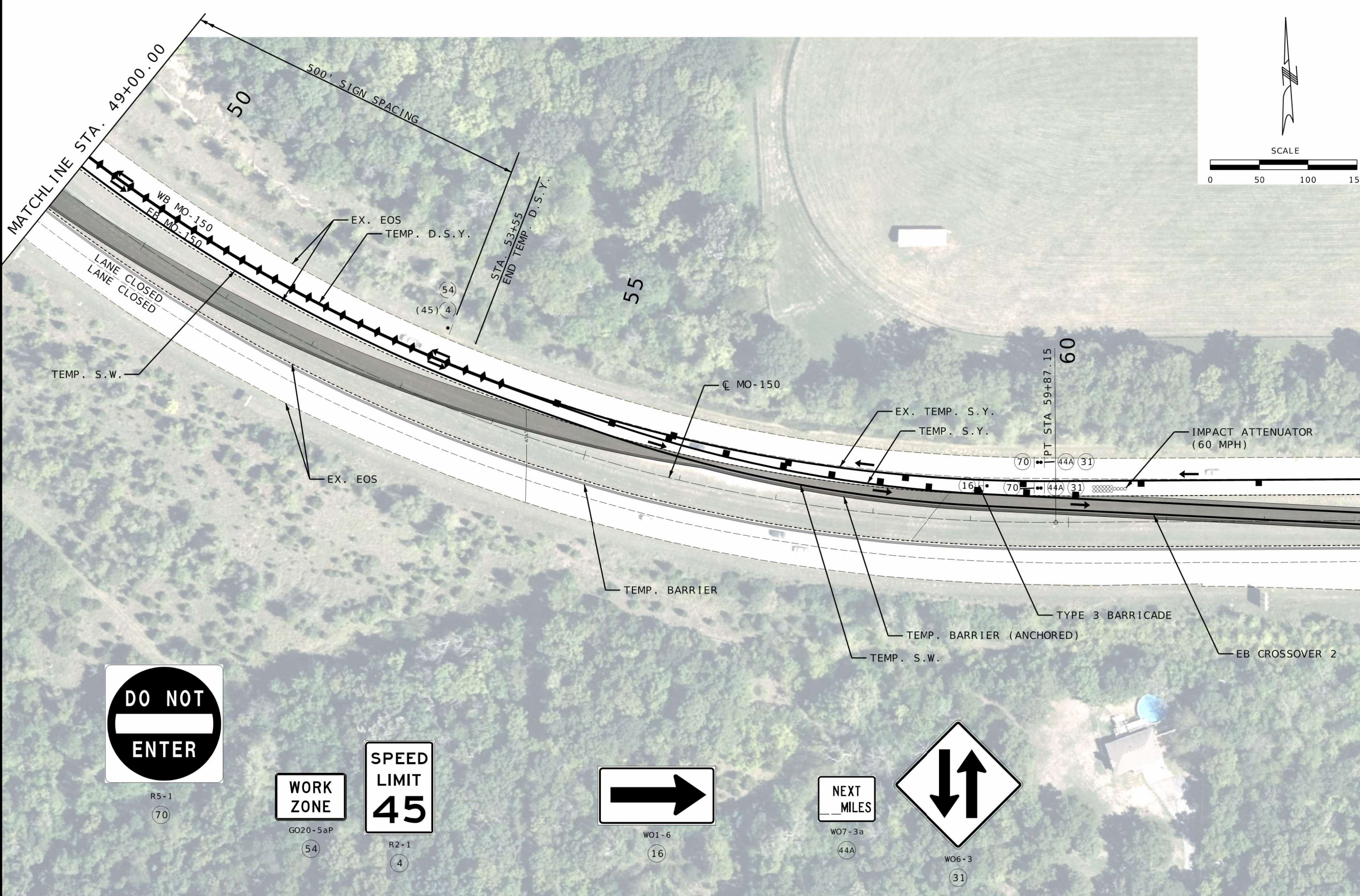
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6361)

Consult Inc engineers planners

 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE STATE
150 MO
DISTRICT SHEET NO.
KC 28

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

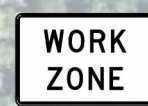
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6361)



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



(70)



(54)



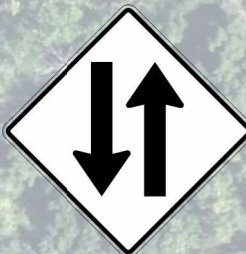
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(16)

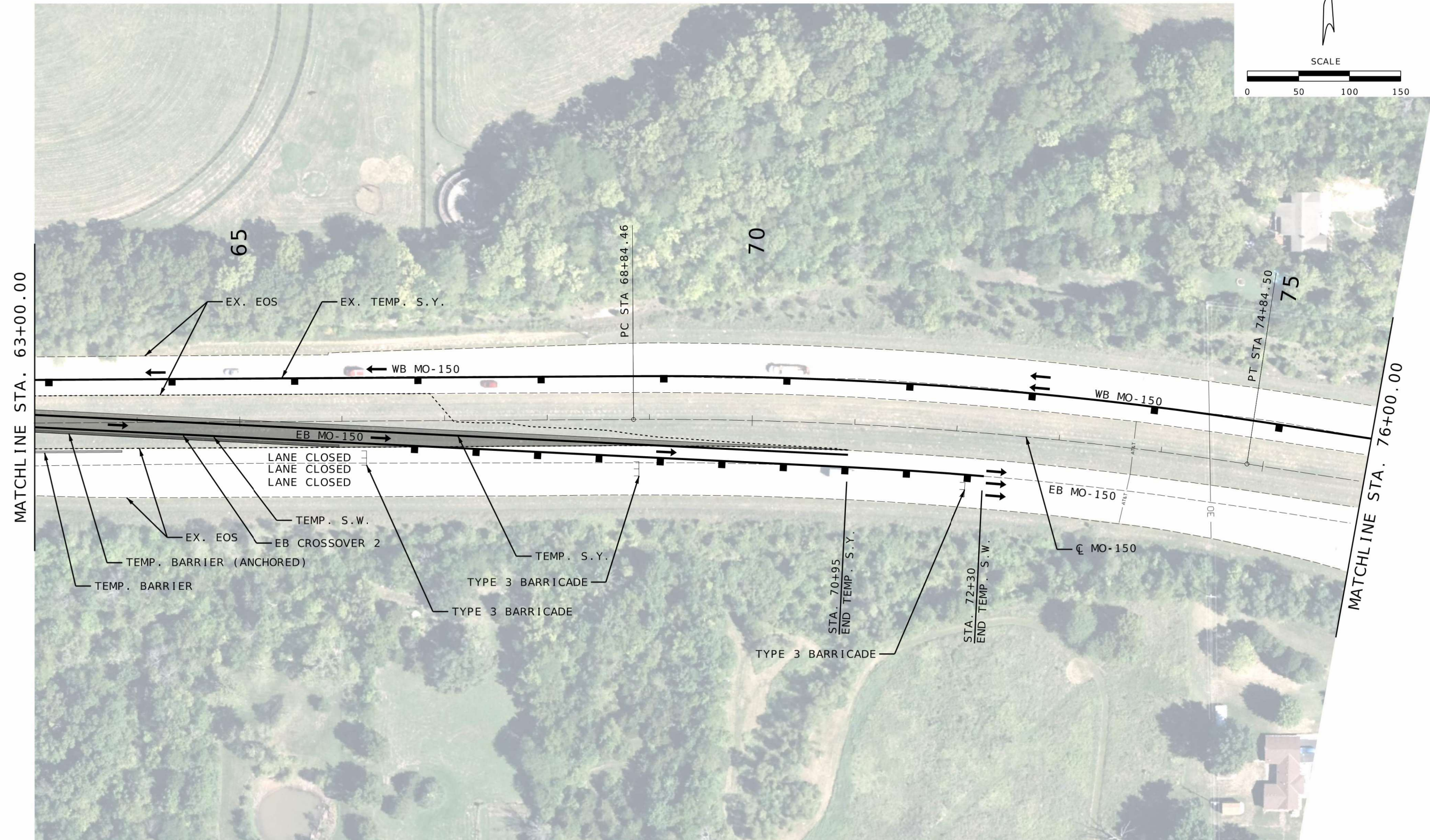
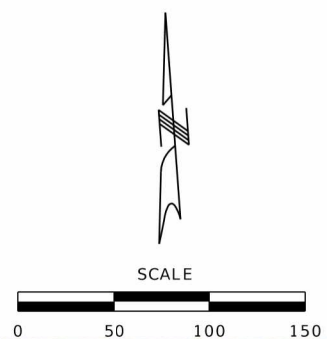


(44A)



(31)

TRAFFIC CONTROL SHEET
PHASE 1
SHEET 5 OF 8




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 29
COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

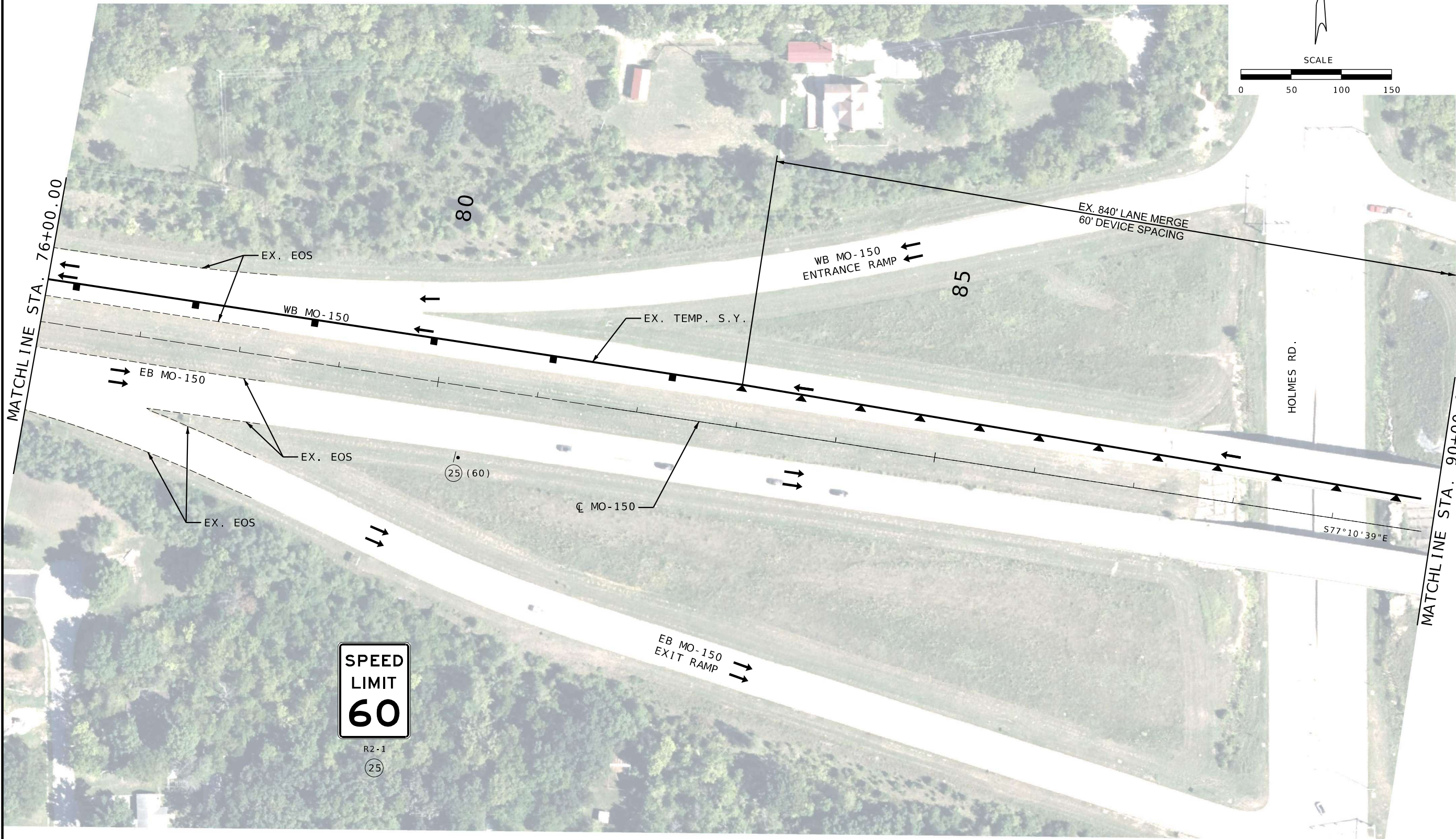
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6361)


 engineers
 planners
 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

TRAFFIC CONTROL SHEET
 PHASE 1
 SHEET 6 OF 8



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 30

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

DESCRIPTION	DATE

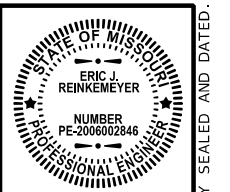
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Consult Inc engineers planners
ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

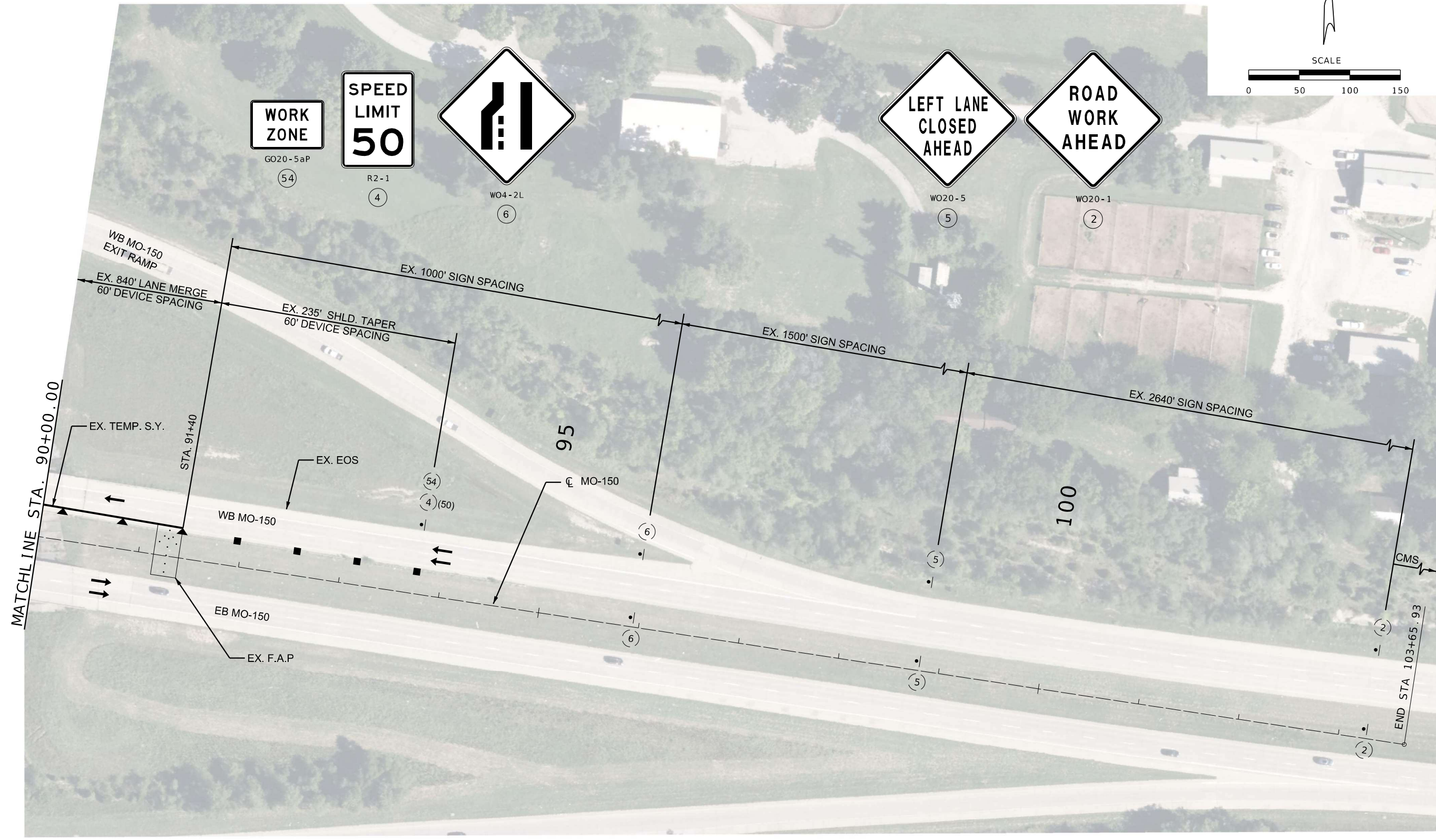
TRAFFIC CONTROL SHEET
PHASE 1
SHEET 7 OF 8

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



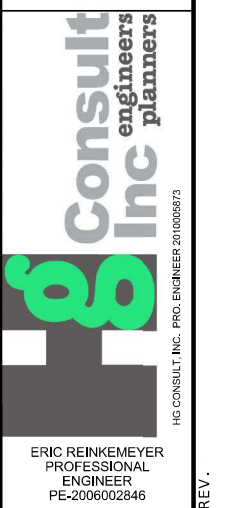
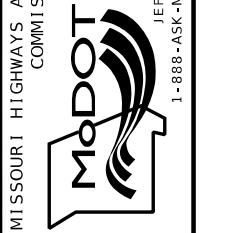
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 31
COUNTY JACKSON
JOB NO. JKU0140
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)



TRAFFIC CONTROL SHEET
PHASE 1
SHEET 8 OF 8

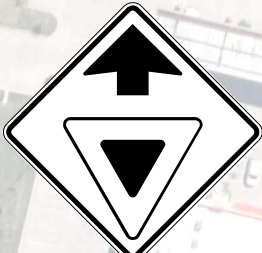
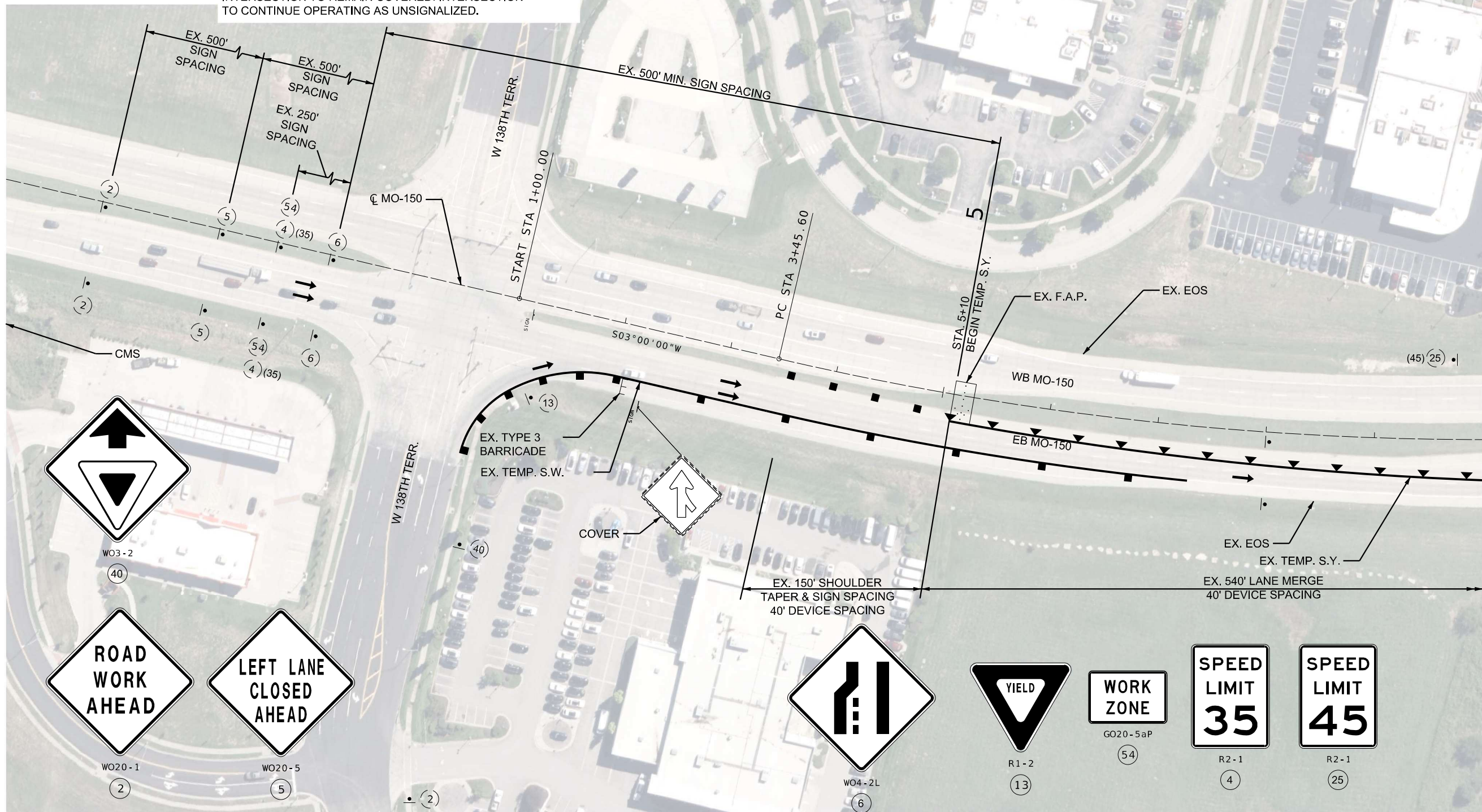
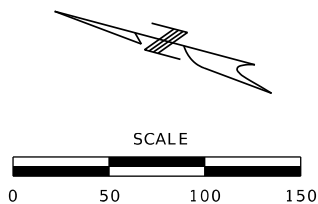
ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

PHASE 2 CONSTRUCTION:
CONSTRUCT BRIDGE OVERLAY FOR WB MO-150
BRIDGE NO. A54961.

ROUTE 150 TRAFFIC SHALL NOT BE ON CROSSOVERS
BETWEEN THE MONTHS OF DECEMBER 1, 2026 AND
MARCH 1, 2027, PLEASE REFER TO WORK ZONE TRAFFIC
MANAGEMENT JSP.

PHASE 2 TRAFFIC CONTROL:
CLOSE ONE LANE ON EB AND WB MO-150.
CROSSOVER WB MO-150 TRAFFIC FOR TWO LANE-
TWO WAY TRAFFIC ON EB ROADWAY SEPARATED
BY TUBULAR DELINEATORS. CLOSE
WYANDOTTE ST. INTERSECTION TO CROSS
TRAFFIC AND CLOSE WYANDOTTE ST. FROM
MO-150 TO WASHINGTON ST.

EXISTING SIGNAL HEADS AT MO-150 / WYANDOTTE ST.
INTERSECTION TO REMAIN COVERED. INTERSECTION
TO CONTINUE OPERATING AS UNSIGNALIZED.



W03-2
40



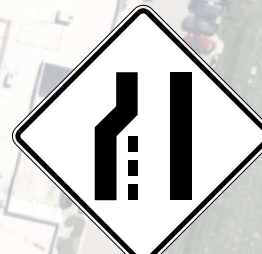
W020-1
2



W020-5
5



W04-2L
6



R1-2
13



GO20-5aP
54



R2-1
4



R2-1
25



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 32
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

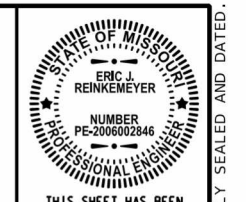
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult
engineers
Inc
planners

HE CONSULT, INC. PRO. ENGINEER 201008673

ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 2
SHEET 1 OF 8




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 33
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	


DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



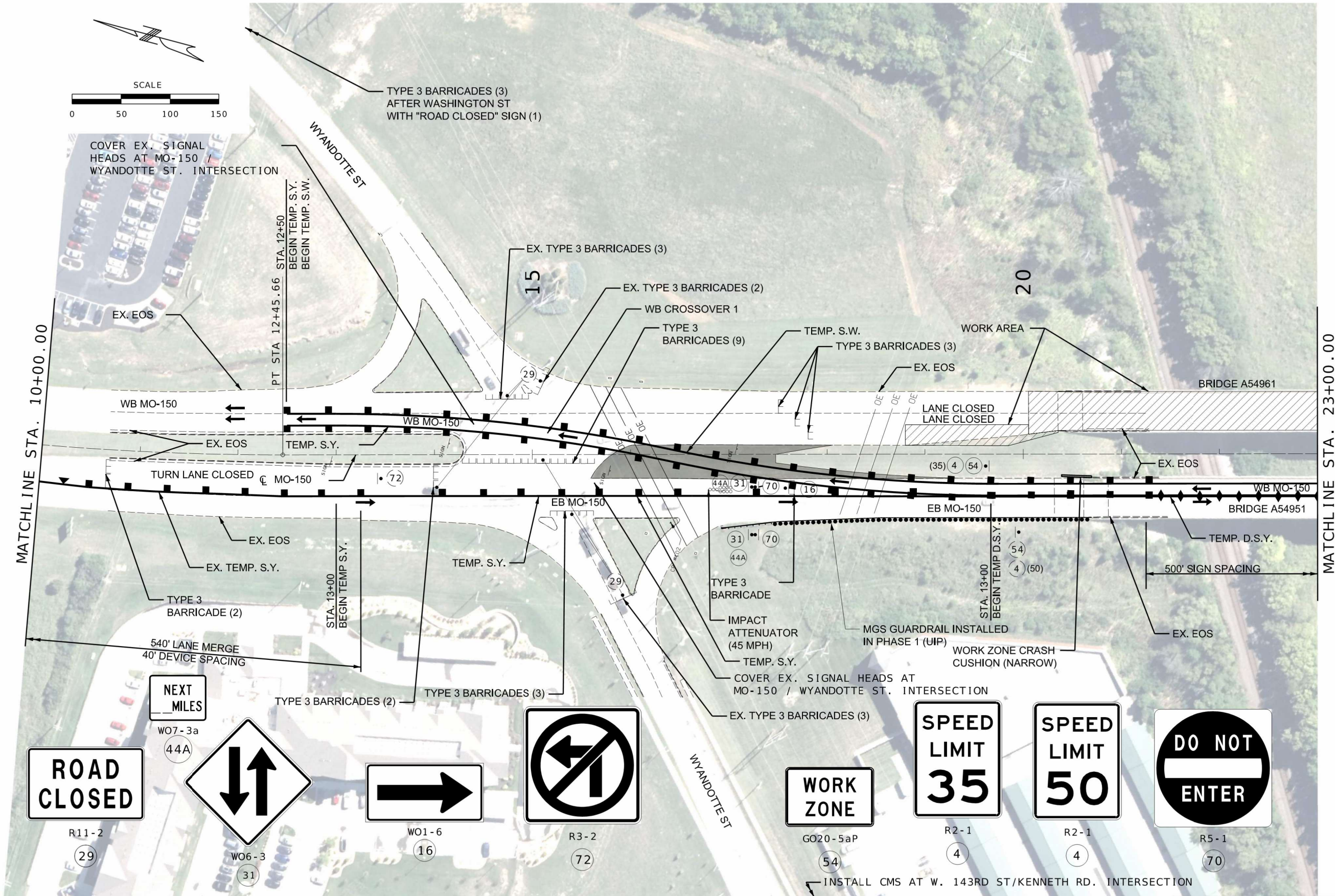
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers planners
Inc

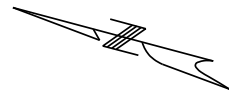


ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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

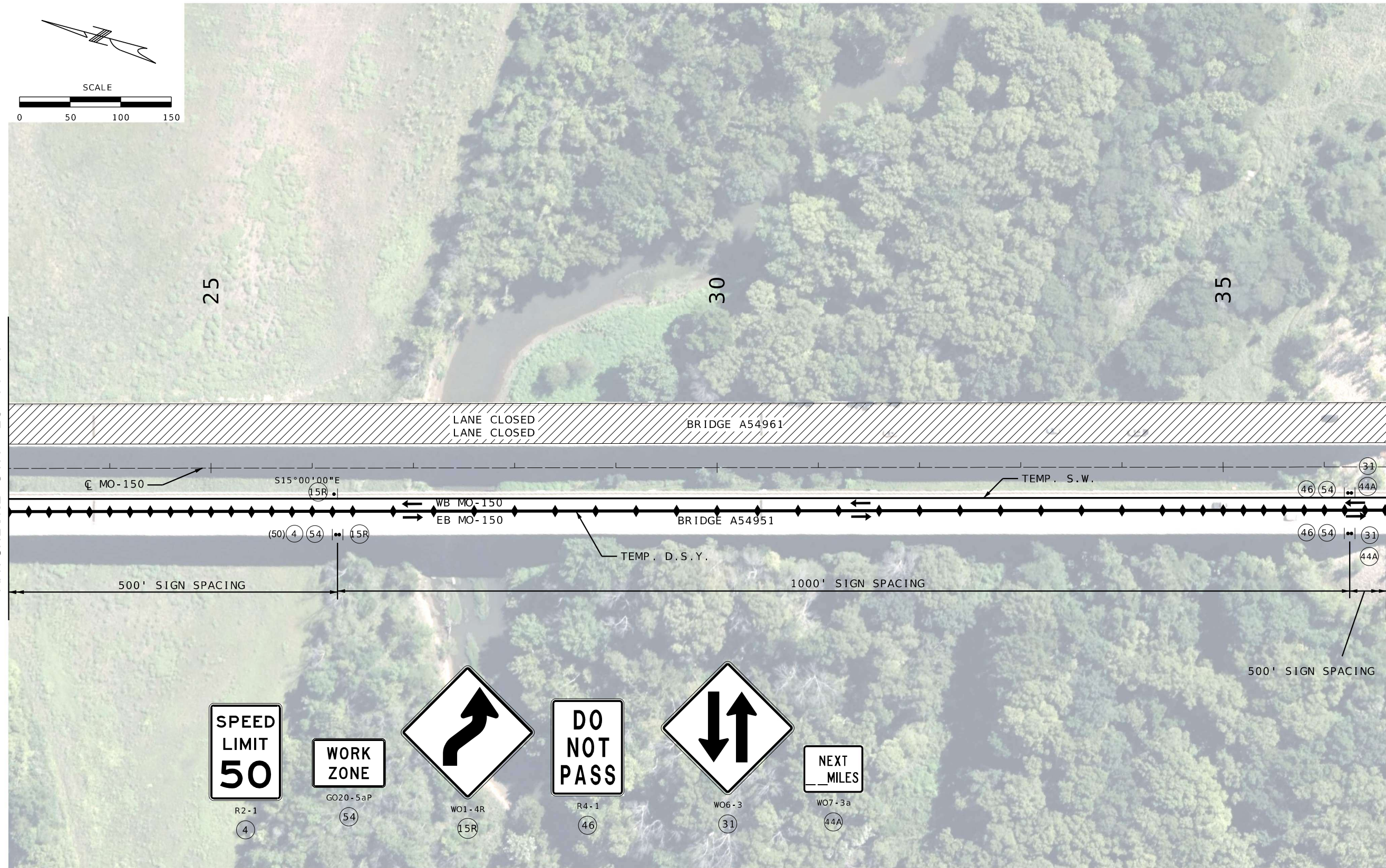


TRAFFIC CONTROL SHEET
PHASE 2
SHEET 2 OF 8



MATCHLINE STA. 23+00.00

MATCHLINE STA. 36+50.00

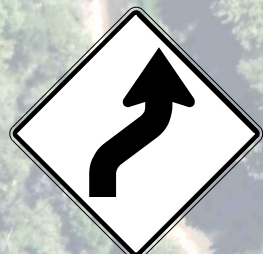


SPEED LIMIT
50

R2 - 1
4

WORK ZONE

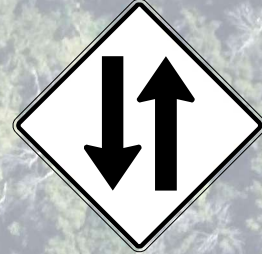
GO20 - 5aP
54



WO1 - 4R
15R

DO NOT PASS

R4 - 1
46



WO6 - 3
31

NEXT MILES

WO7 - 3a
44A



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 34

COUNTY JACKSON

JOB NO. JKU0140

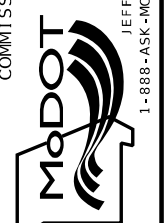
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



Consult Inc
engineers
planners



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 2
SHEET 3 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE STATE
150 MO
DISTRICT SHEET NO.
KC 35

COUNTY
JACKSON

JOB NO.
JKU0140
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

DATE

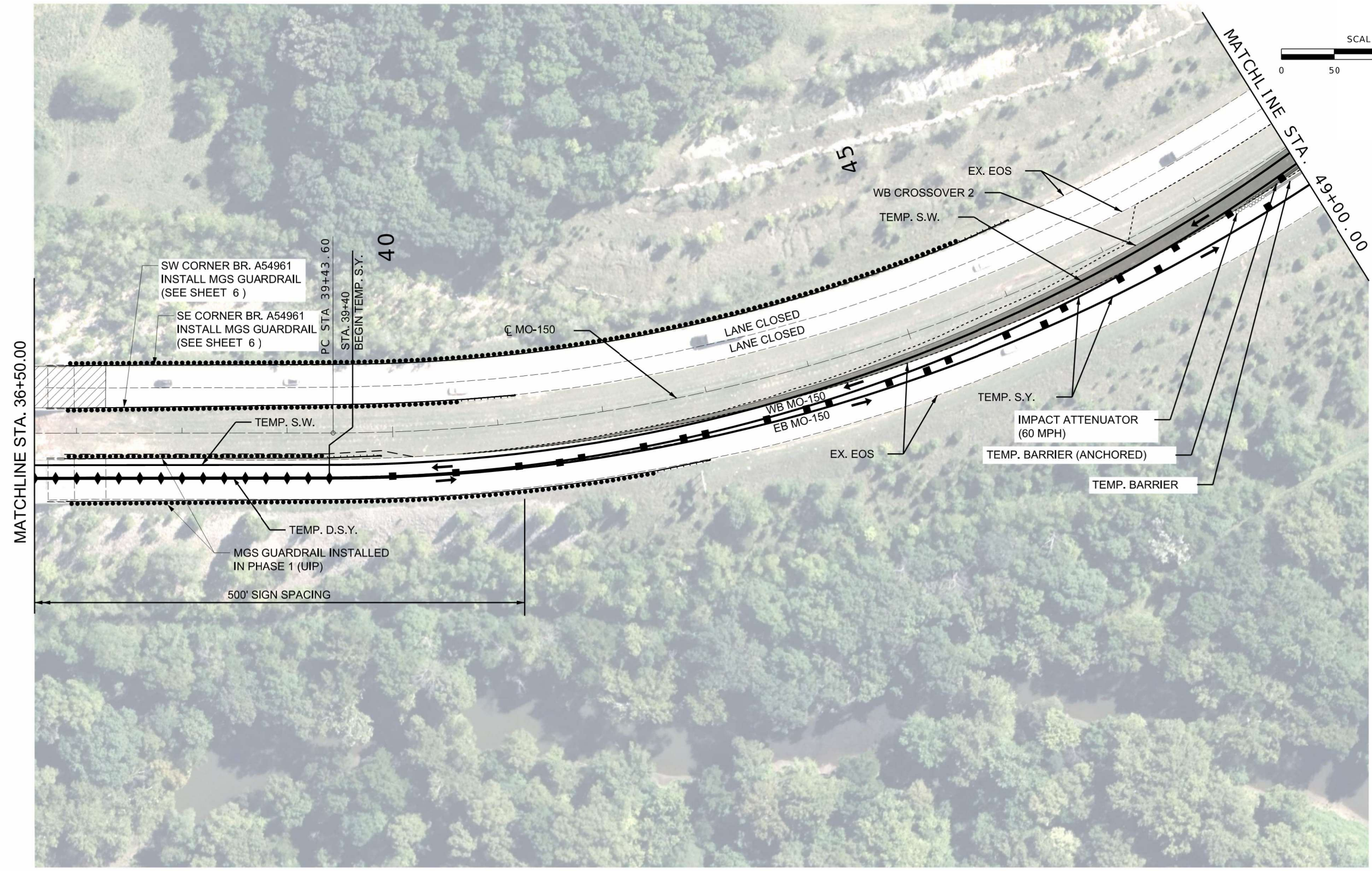
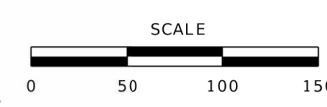
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



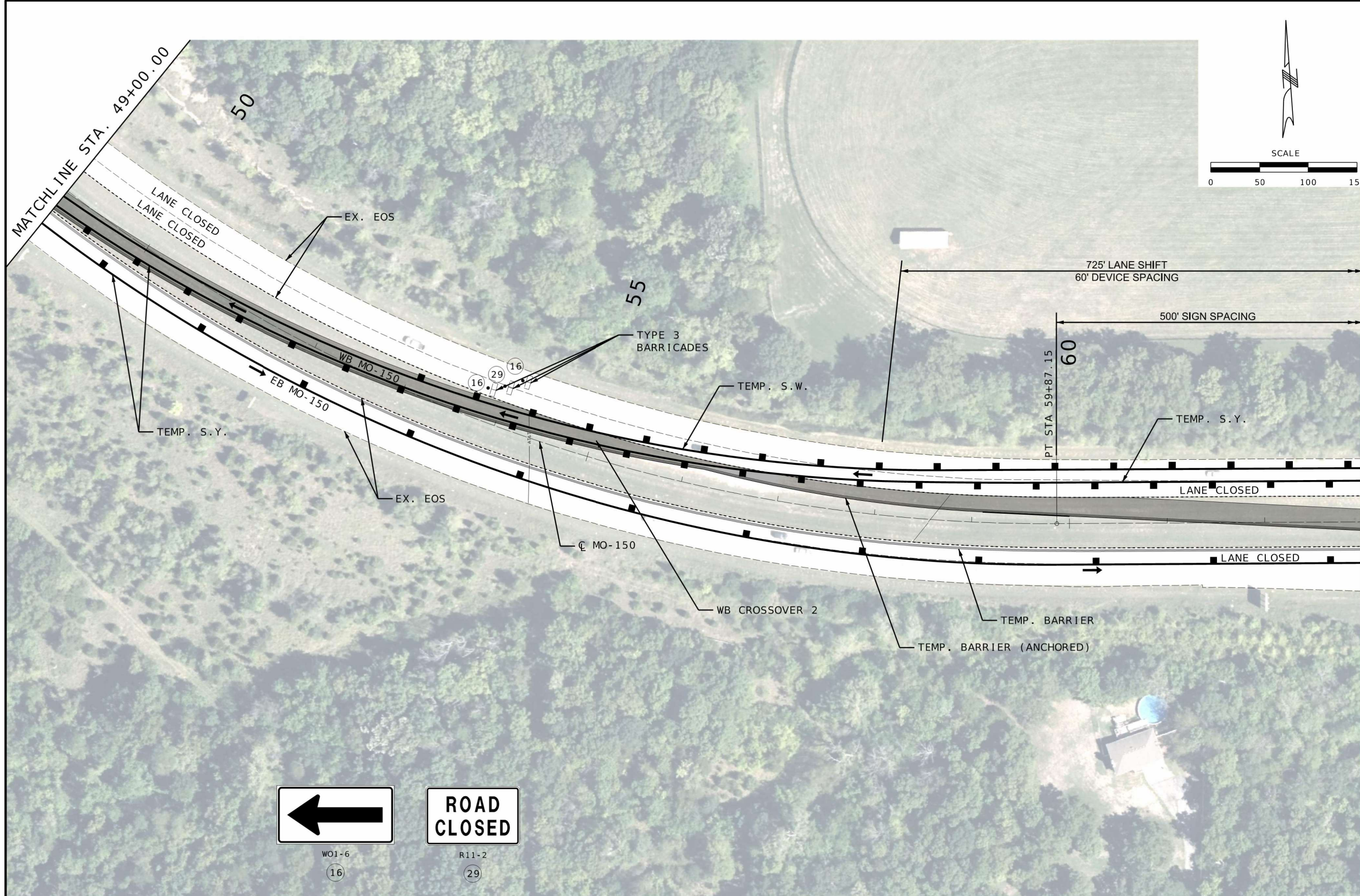
ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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

REV.



TRAFFIC CONTROL SHEET
PHASE 2
SHEET 4 OF 8



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE STATE
150 MO

DISTRICT SHEET NO.
KC 36

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

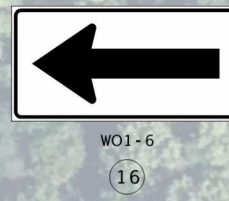
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6361)

Consult Inc engineers planners

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



TRAFFIC CONTROL SHEET
PHASE 2
SHEET 5 OF 8



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

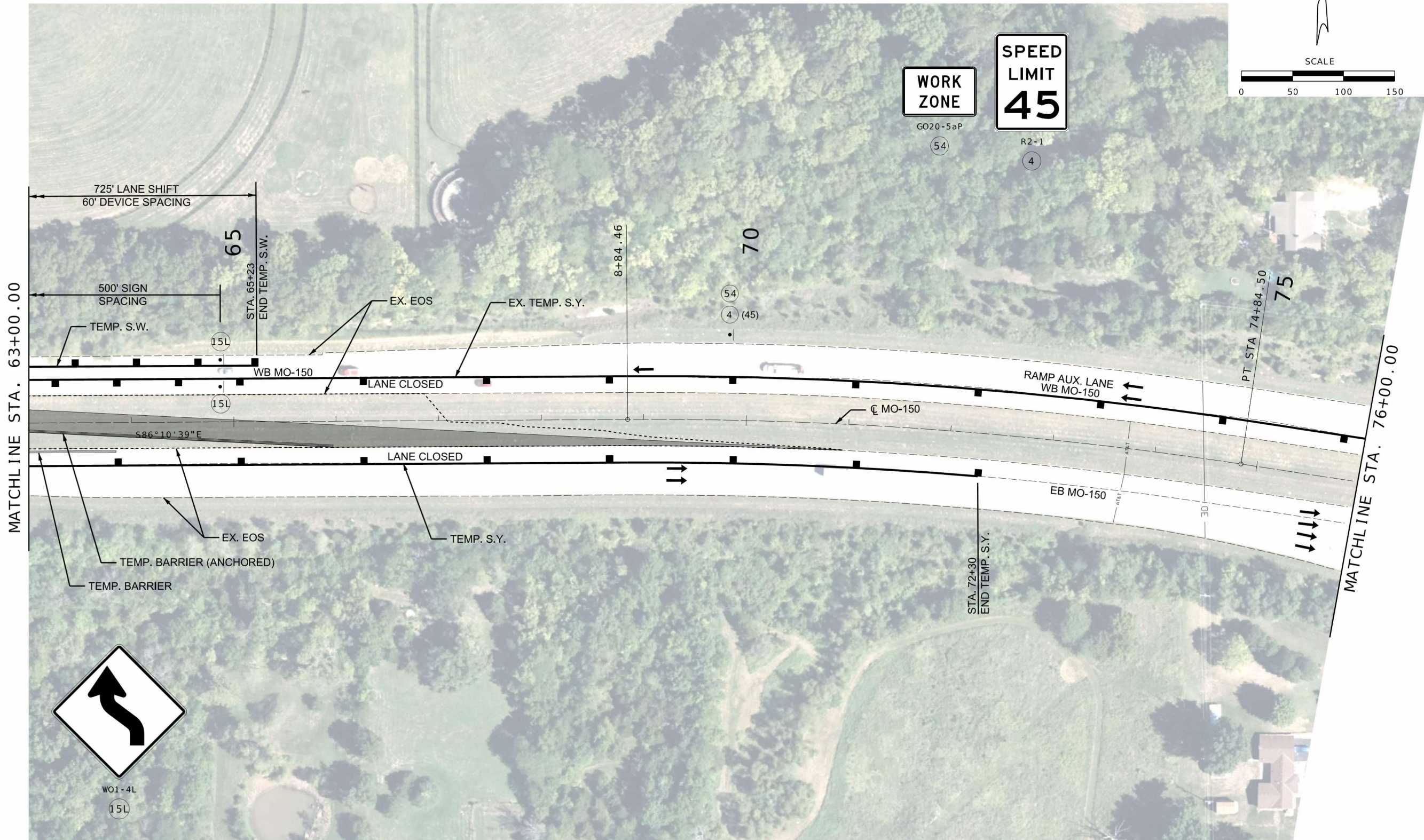
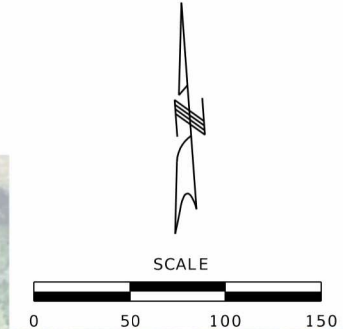
DATE PREPARED: 03/27/2026
 ROUTE: 150 STATE: MO
 DISTRICT: KC SHEET NO.: 37
 COUNTY: JACKSON
 JOB NO.: JKU0140
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

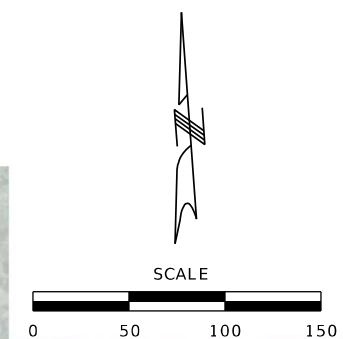
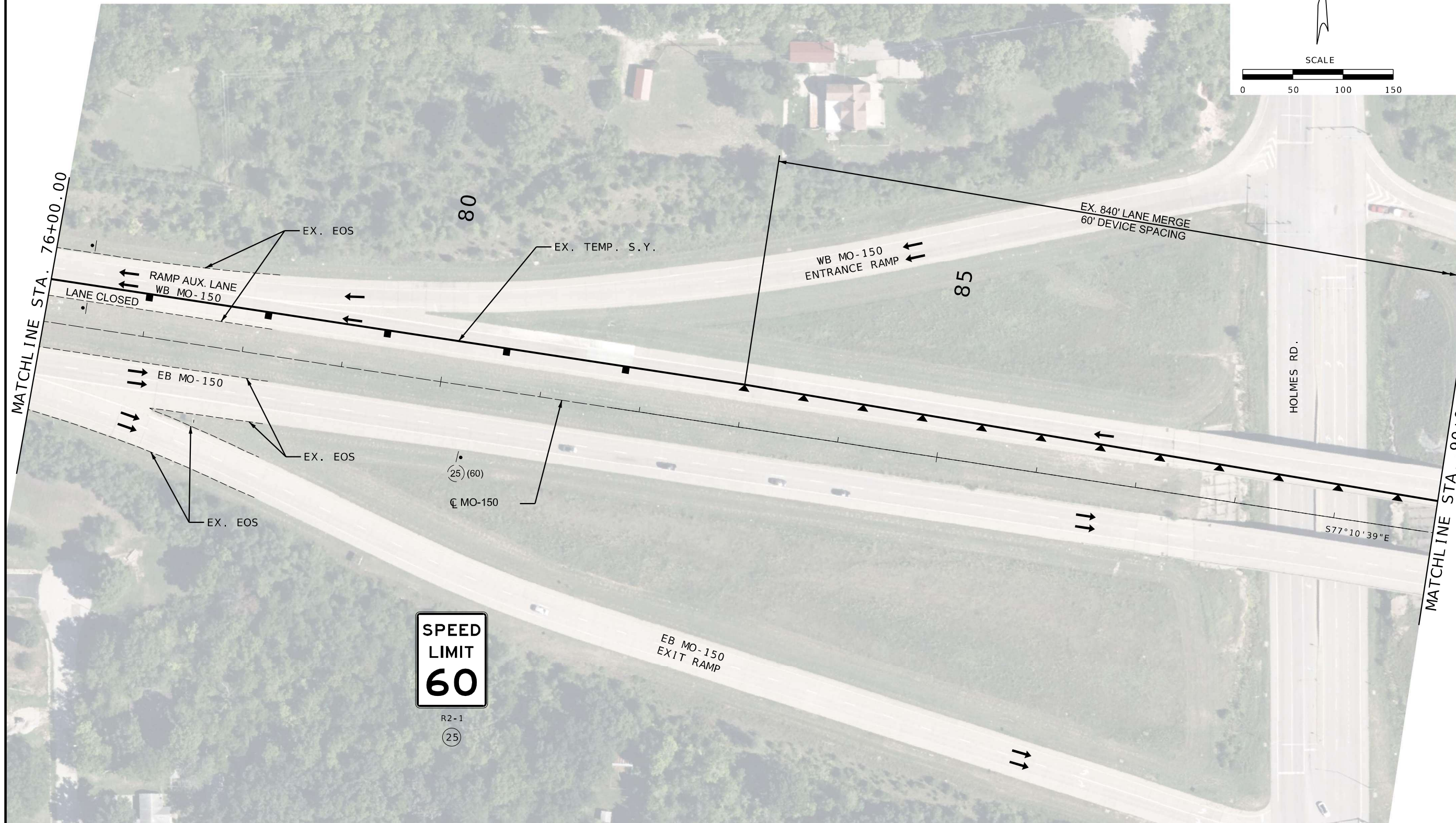
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6361)

Consult Inc engineers planners
 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

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





THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	38

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

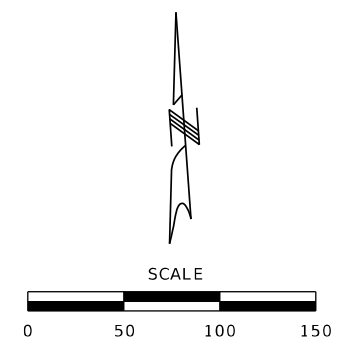
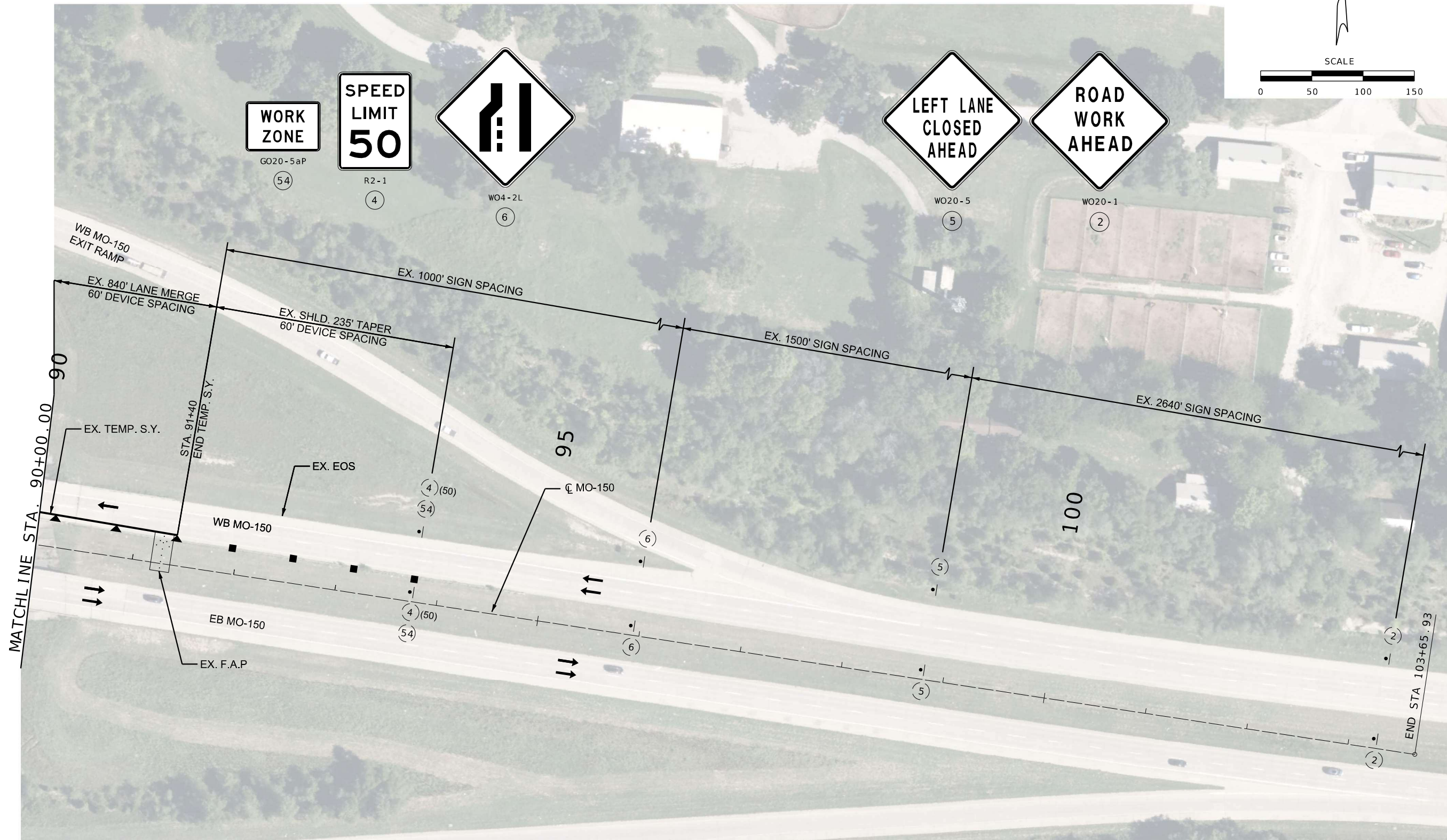
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 2
SHEET 7 OF 8

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



WORK ZONE
GO20-5aP
(54)

SPEED LIMIT 50
R2-1
(4)

LEFT LANE CLOSED AHEAD
WO4-2L
(6)

LEFT LANE CLOSED AHEAD
WO20-5
(5)

ROAD WORK AHEAD
WO20-1
(2)

WB MO-150 EXIT RAMP

EX. 840' LANE MERGE
60' DEVICE SPACING

EX. SHLD. 235' TAPER
60' DEVICE SPACING

EX. 1000' SIGN SPACING

EX. 1500' SIGN SPACING

EX. 2640' SIGN SPACING

MATCHLINE STA. 90+00.00

EX. TEMP. S.Y.

STA. 91+40
END TEMP. S.Y.

EX. EOS

WB MO-150

EB MO-150

EX. F.A.P.

MO-150

95

100

END STA 103+65.93



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 39

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

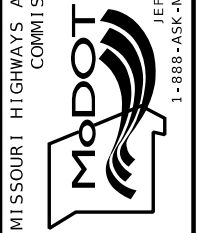
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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PROFESSIONAL ENGINEER
PE-2006002846

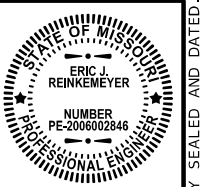
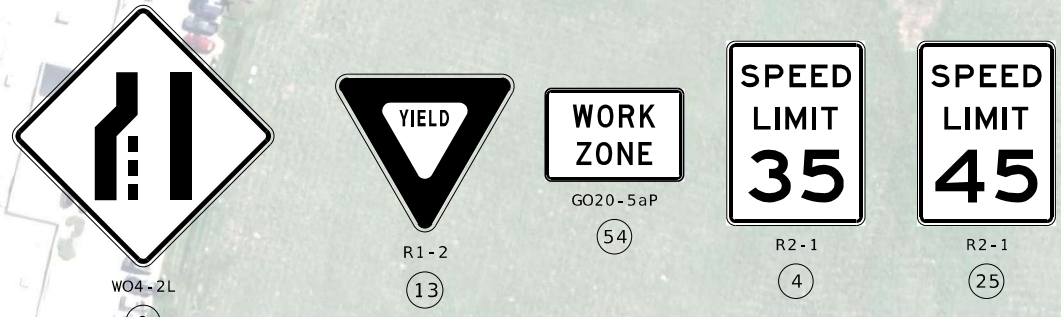
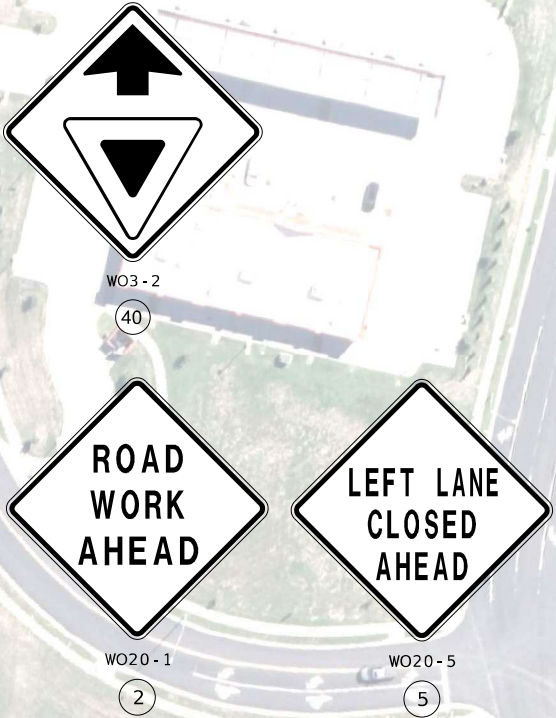
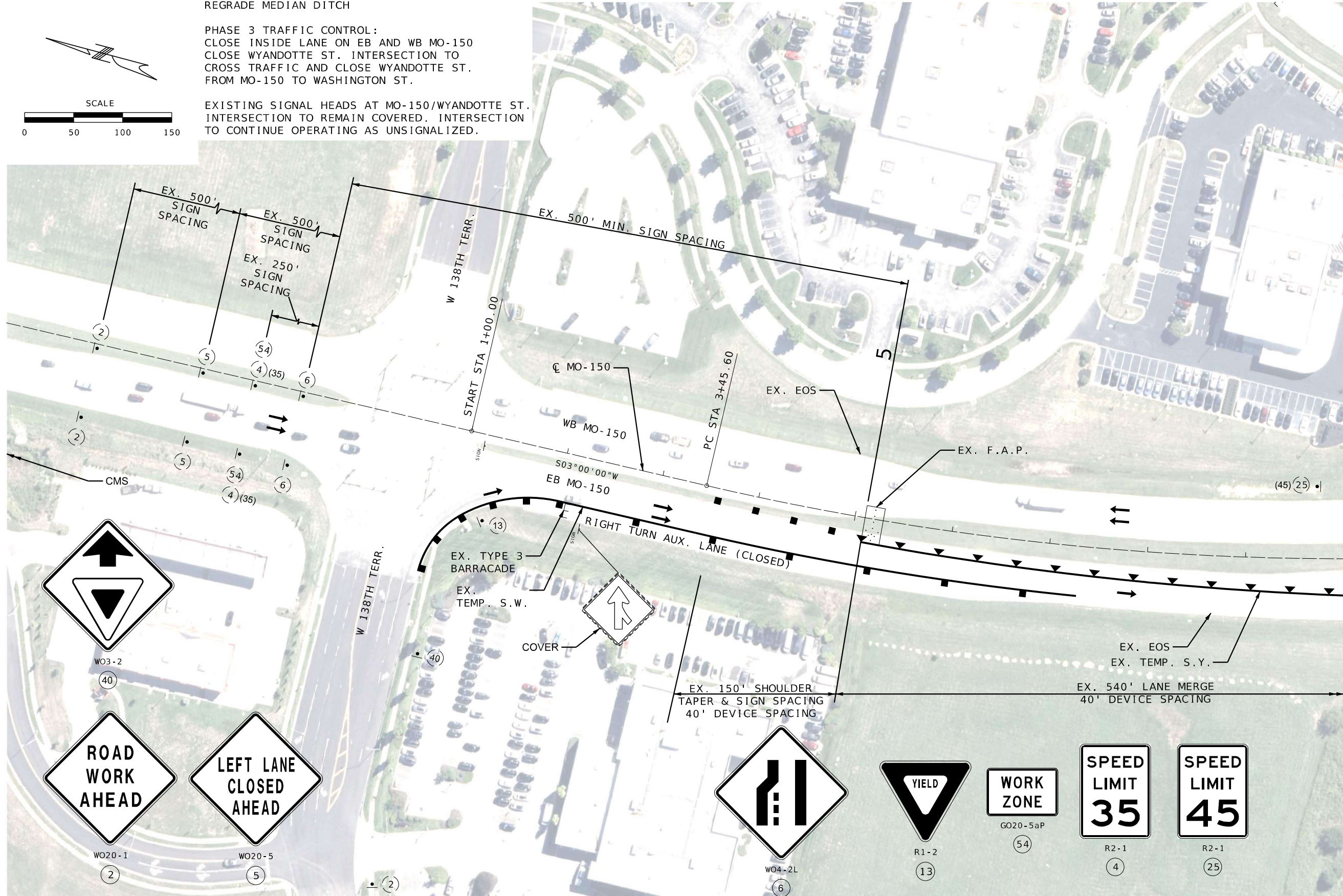
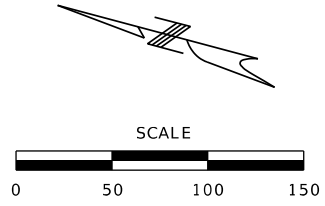
TRAFFIC CONTROL SHEET
PHASE 2
SHEET 8 OF 8

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

PHASE 3 CONSTRUCTION:
REMOVE TEMPORARY MEDIAN CROSSOVERS AND
REGRADE MEDIAN DITCH

PHASE 3 TRAFFIC CONTROL:
CLOSE INSIDE LANE ON EB AND WB MO-150
CLOSE WYANDOTTE ST. INTERSECTION TO
CROSS TRAFFIC AND CLOSE WYANDOTTE ST.
FROM MO-150 TO WASHINGTON ST.

EXISTING SIGNAL HEADS AT MO-150/WYANDOTTE ST.
INTERSECTION TO REMAIN COVERED. INTERSECTION
TO CONTINUE OPERATING AS UNSIGNALIZED.



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	40
COUNTY	
JACKSON	
JOB NO.	
JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

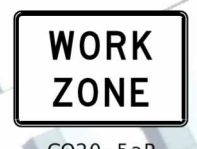
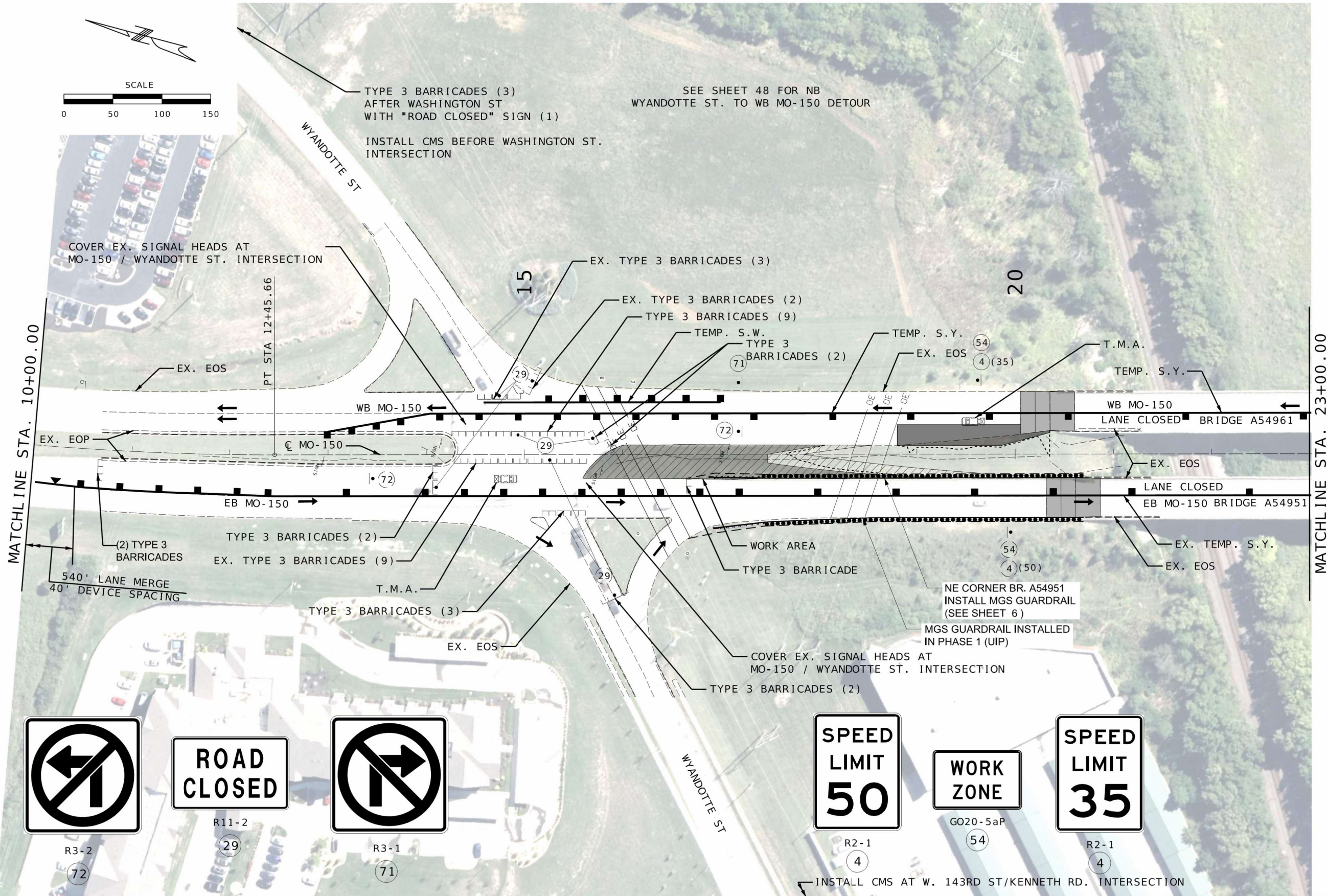
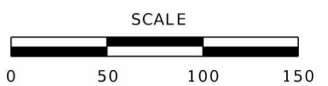
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult
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Inc
planners

ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 3
SHEET 1 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 41

COUNTY
JACKSON

JOB NO.
JKU0140

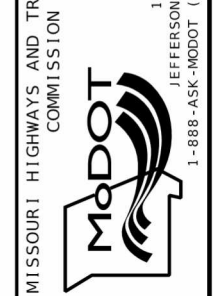
CONTRACT ID.

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)



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 3
SHEET 2 OF 8




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
03/27/2026	
ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	42
COUNTY	
JACKSON	
JOB NO.	
JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	


DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



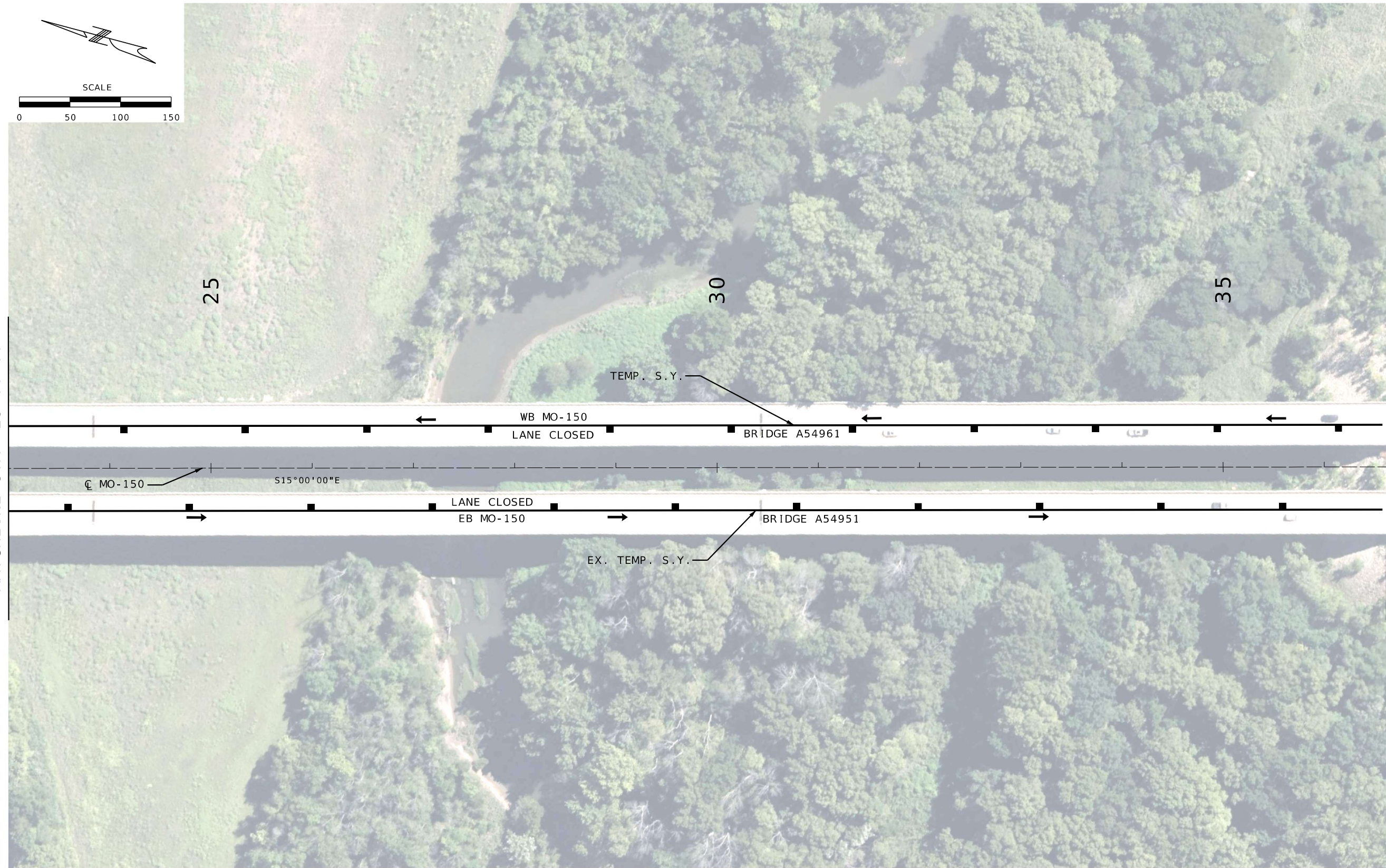
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc
engineers planners



ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

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



MATCHLINE STA. 23+00.00

MATCHLINE STA. 36+50.00

TRAFFIC CONTROL SHEET
PHASE 3
SHEET 3 OF 8



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE STATE
150 MO

DISTRICT SHEET NO.
KC 43

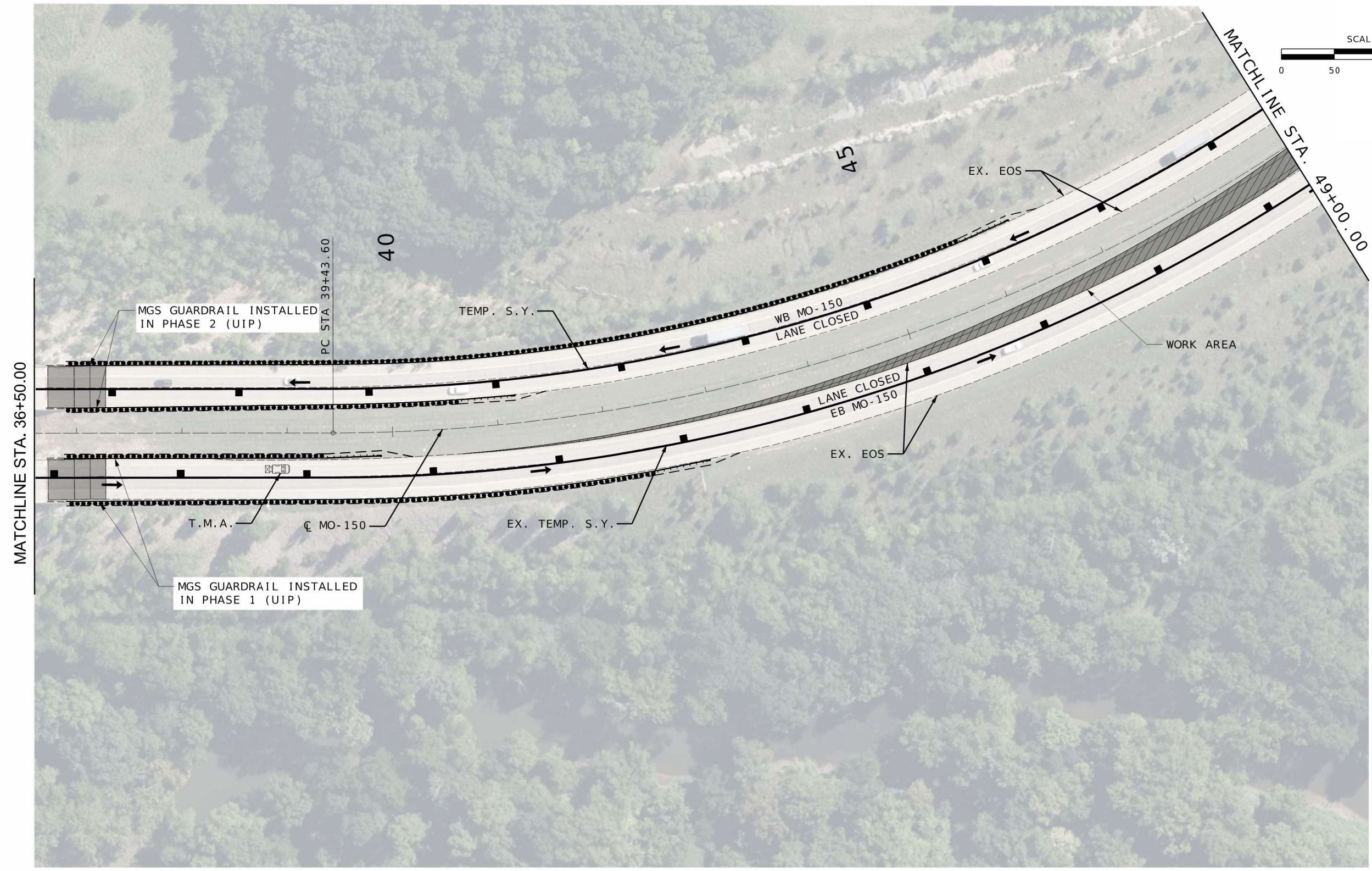
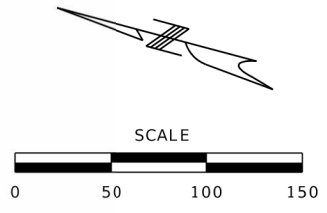
COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.


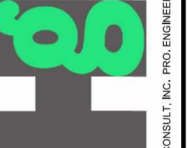


DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



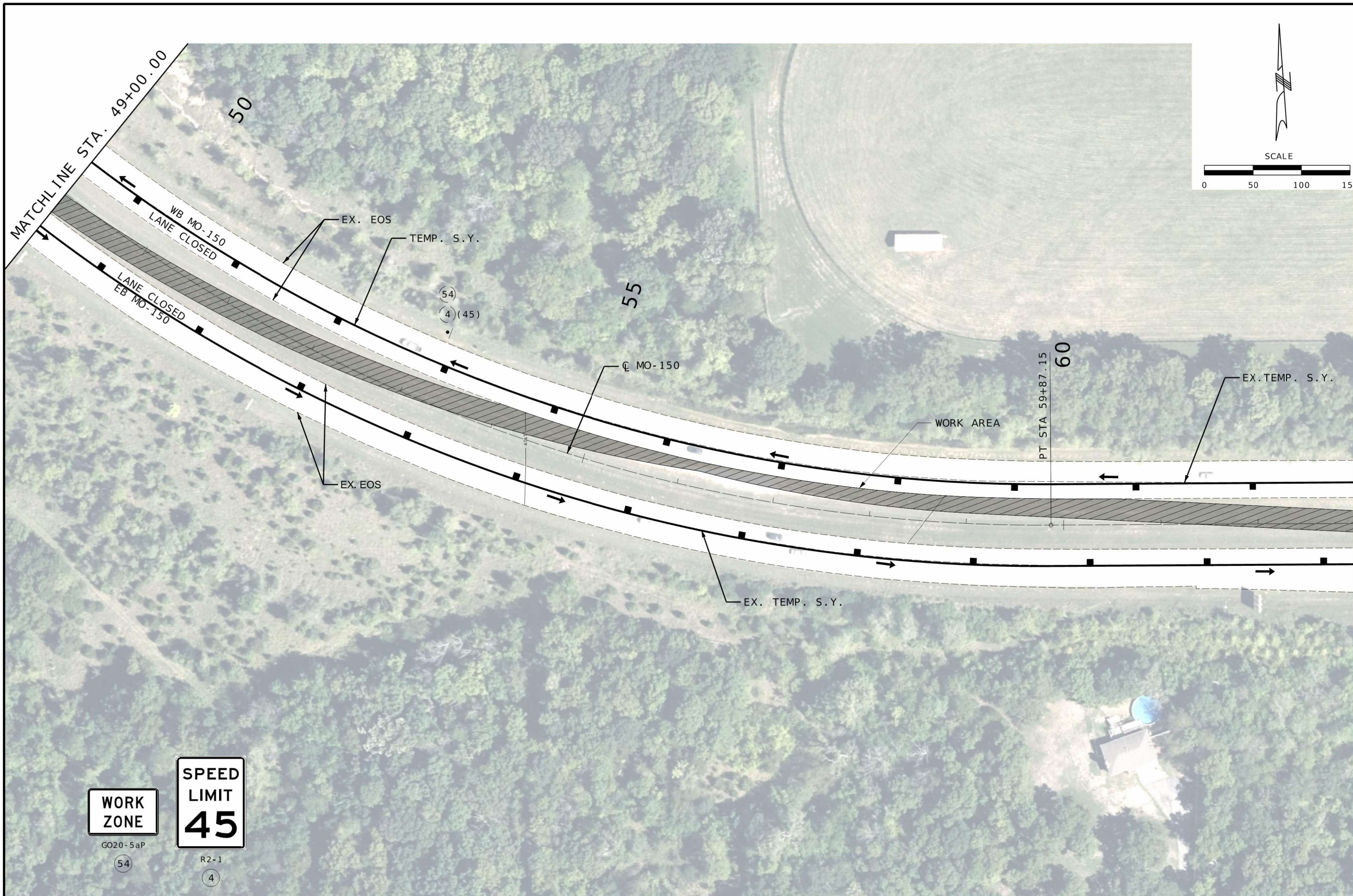
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6361)

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 3
SHEET 4 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 44


COUNTY JACKSON


JOB NO. JKU0140
CONTRACT ID.

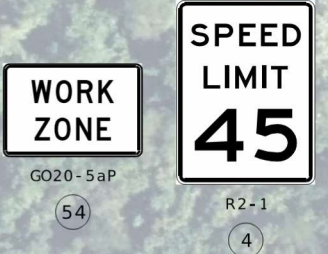
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

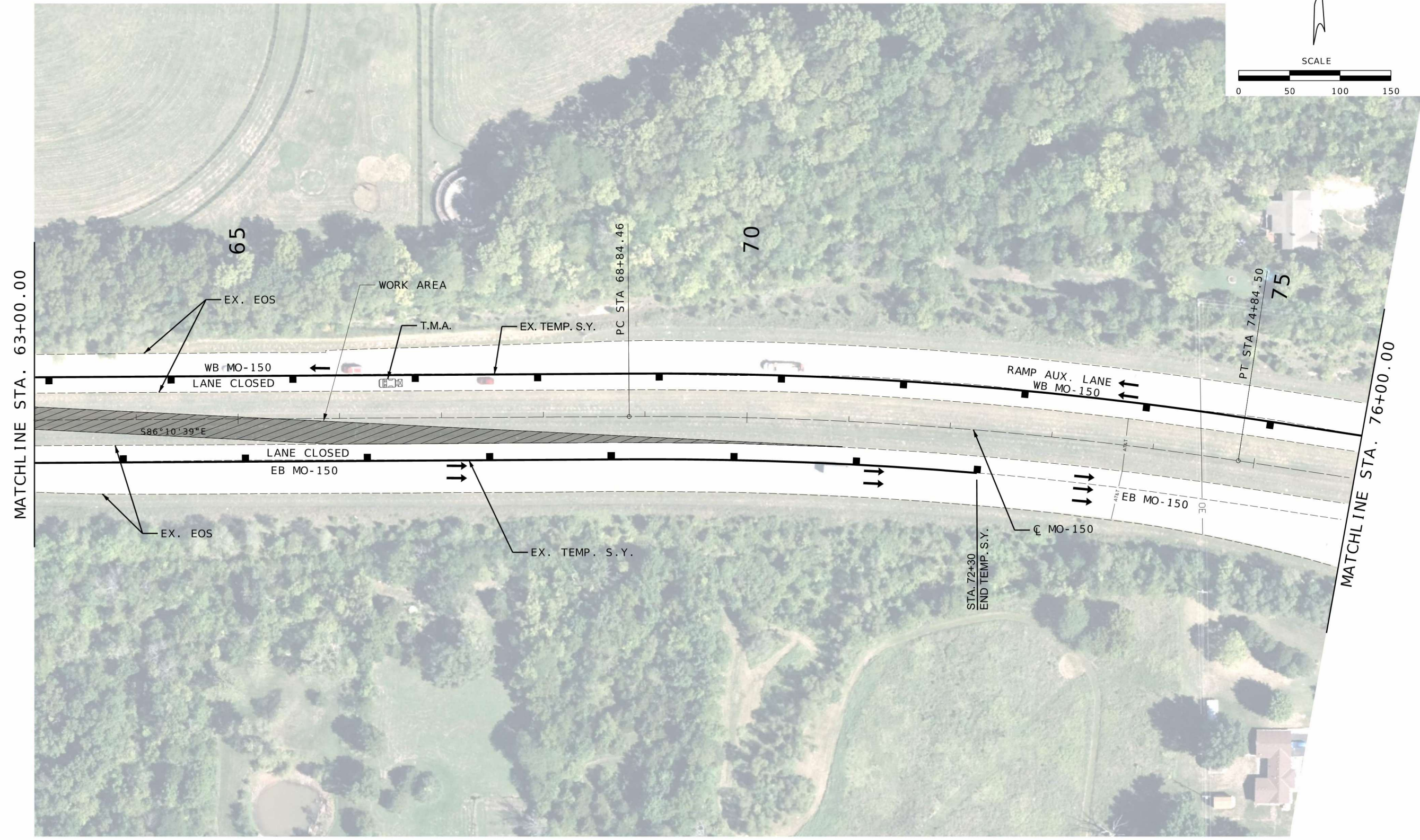
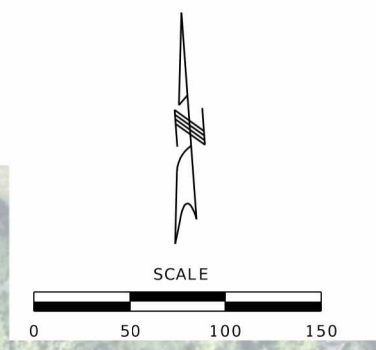
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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


 Consult Inc
 engineers
 planners
 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846



TRAFFIC CONTROL SHEET
 PHASE 3
 SHEET 5 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 45

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

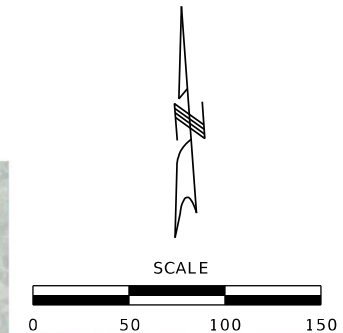
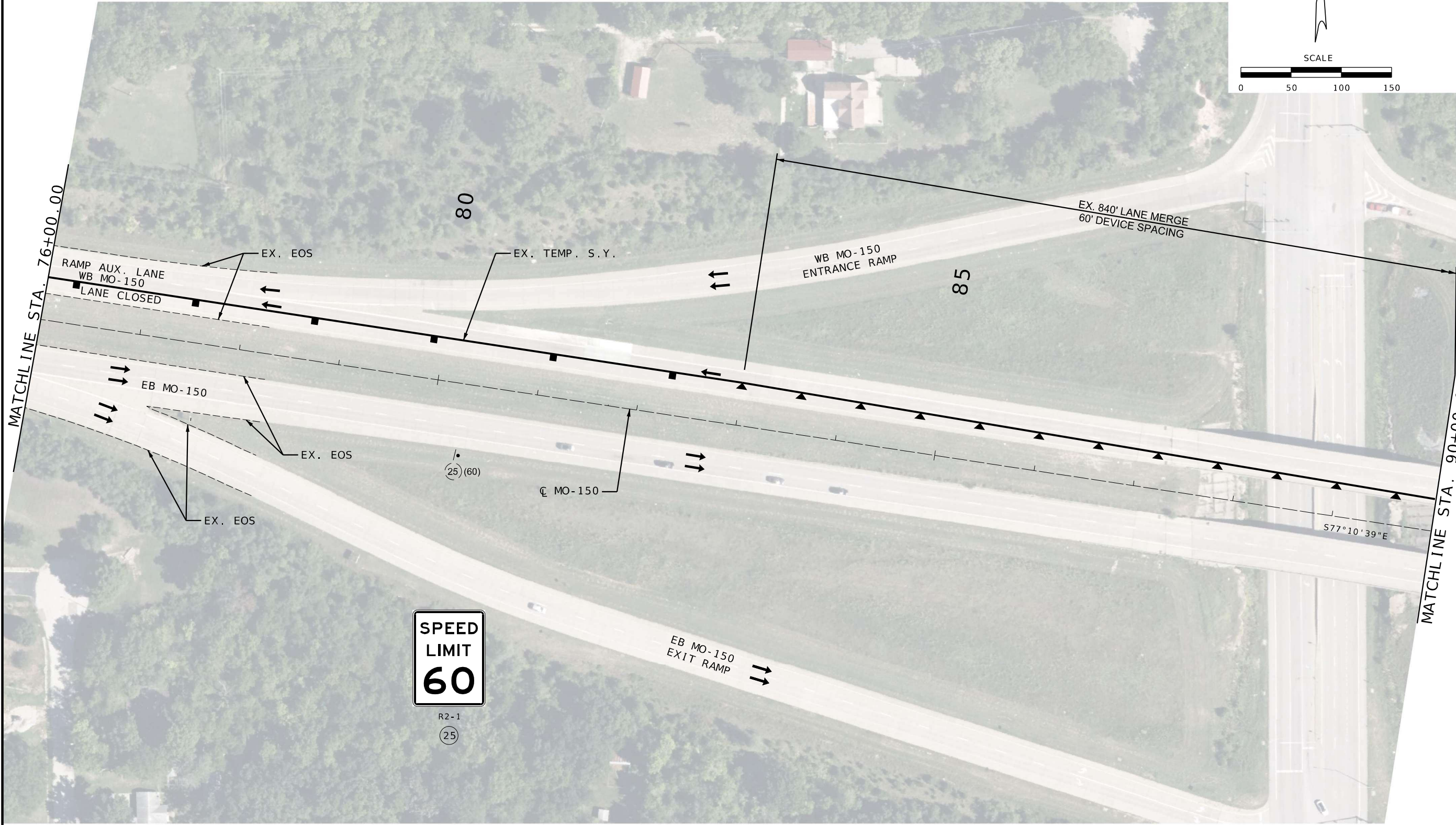
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6361)

Consult Inc
 engineers
 planners

 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

TRAFFIC CONTROL SHEET
 PHASE 3
 SHEET 6 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO

DISTRICT	SHEET NO.
KC	46

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

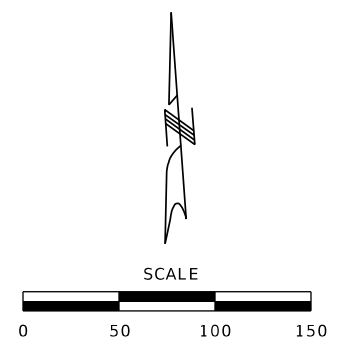
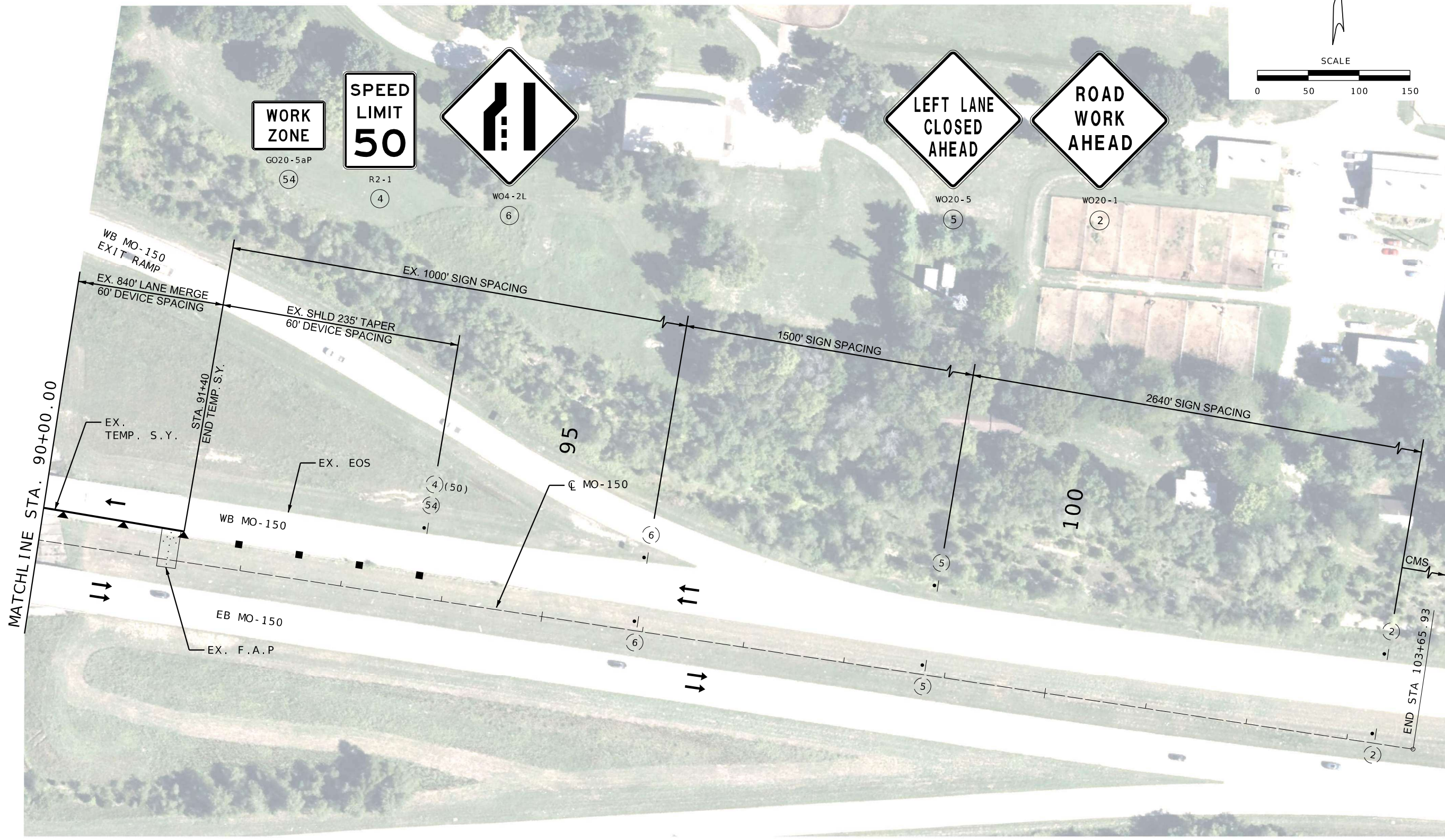
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 3
SHEET 7 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 47

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

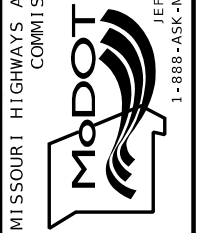
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

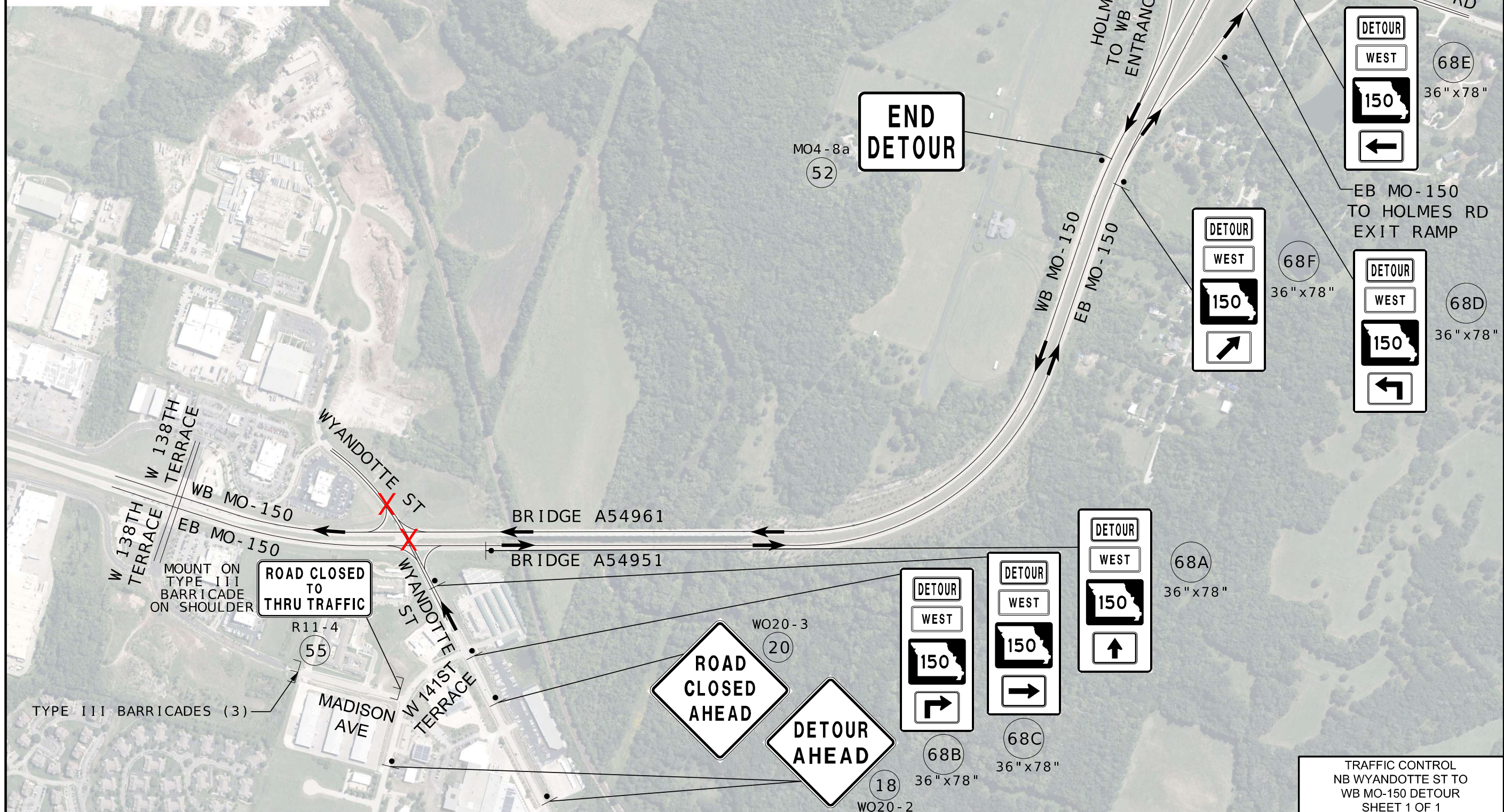
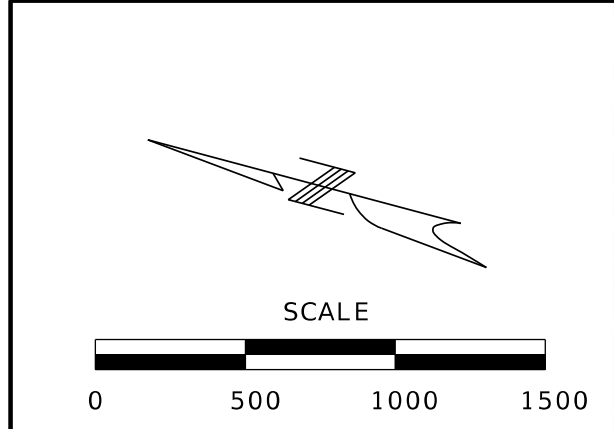
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

TRAFFIC CONTROL SHEET
PHASE 3
SHEET 8 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 48
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

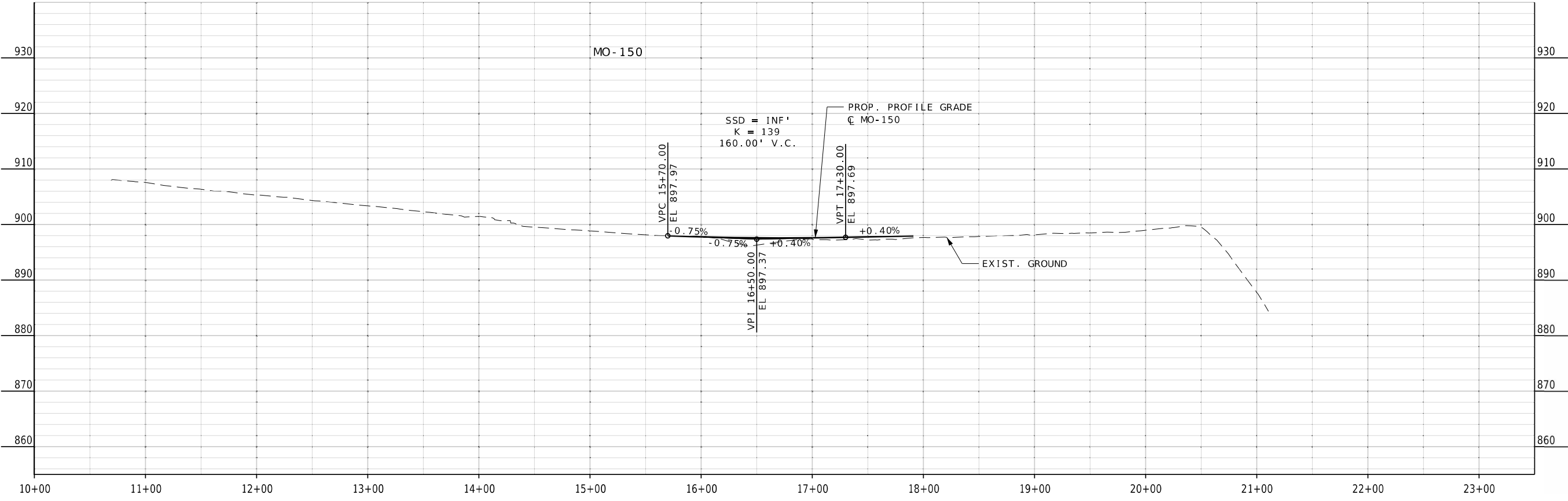
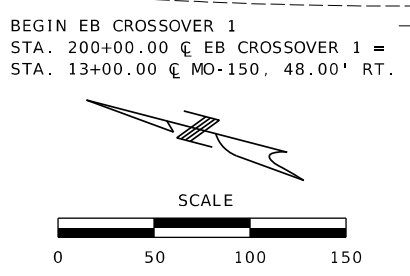
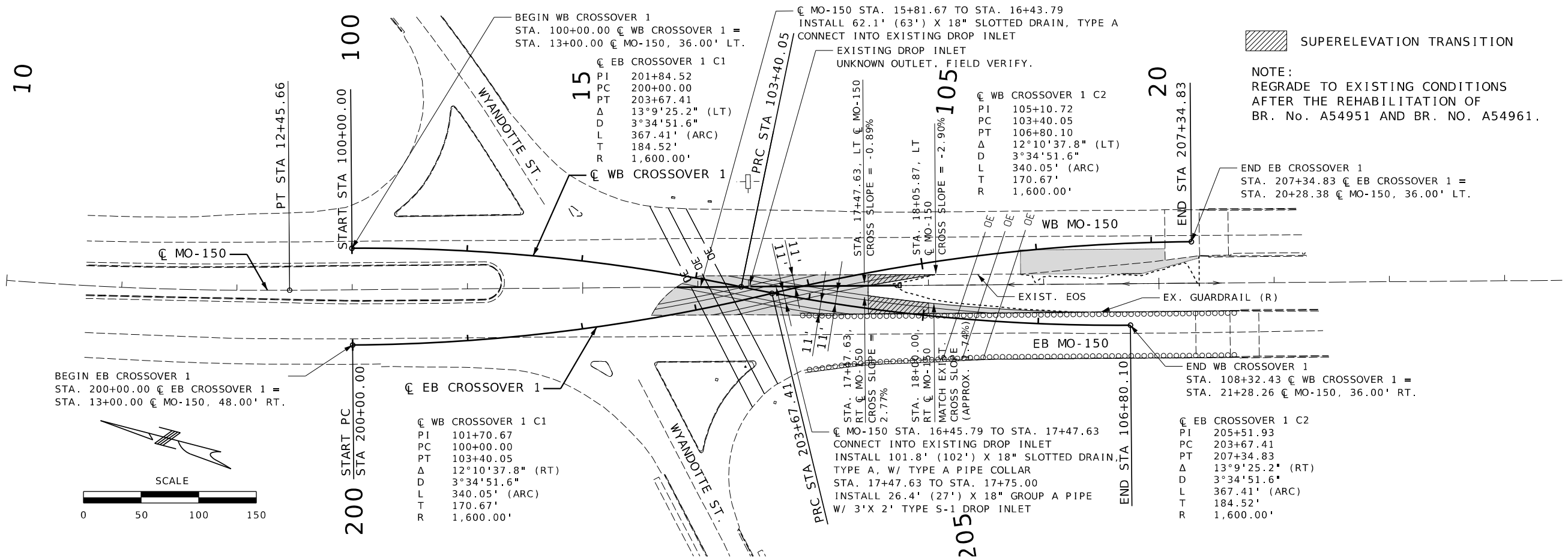
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc
engineers
planners

ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

TRAFFIC CONTROL
NB WYANDOTTE ST TO
WB MO-150 DETOUR
SHEET 1 OF 1

10



TRAFFIC CONTROL SHEET
 WEST CROSSOVERS
 SHEET 1 OF 1



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

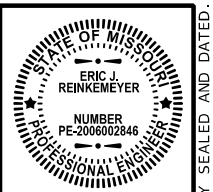
DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 49
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

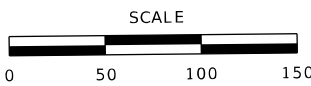
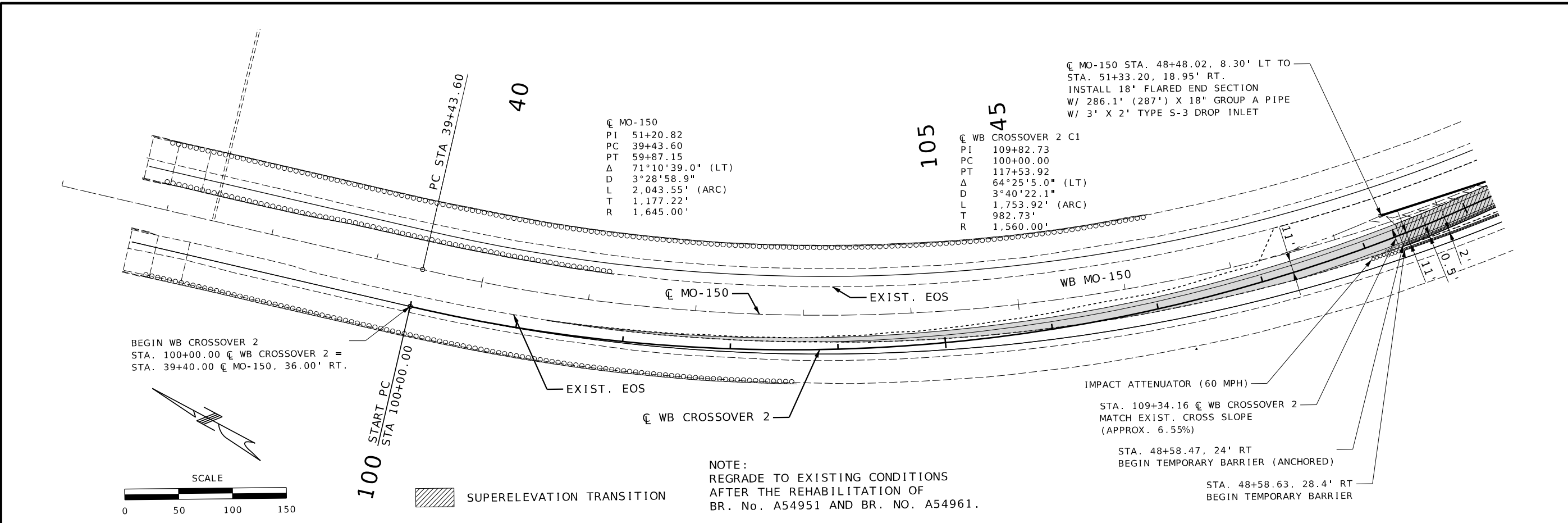
DATE PREPARED
03/27/2026
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 50
COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

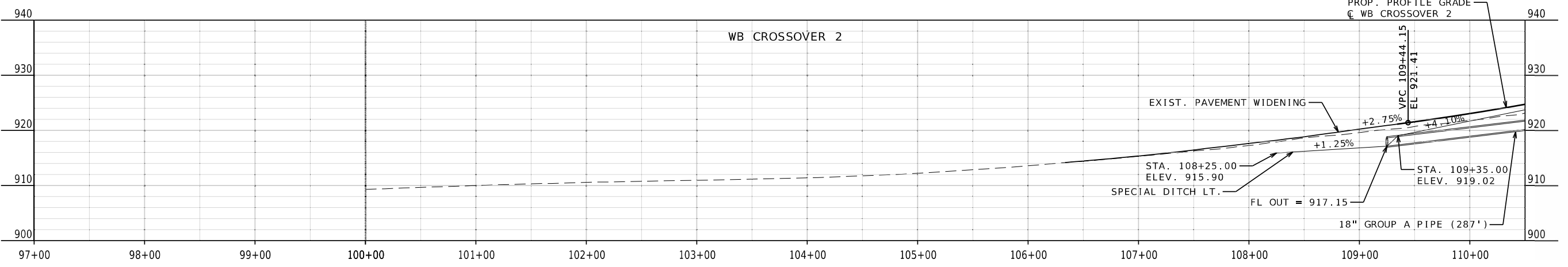
Consult
engineers
planners
HG CONSULTING, INC. PRO. ENGINEER 201006873

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



SUPERELEVATION TRANSITION

NOTE:
REGRADE TO EXISTING CONDITIONS
AFTER THE REHABILITATION OF
BR. No. A54951 AND BR. NO. A54961.



TRAFFIC CONTROL SHEET
EAST CROSSOVERS
SHEET 1 OF 3



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 51

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

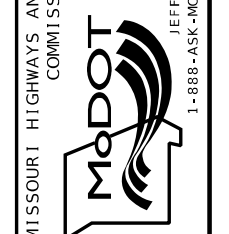
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

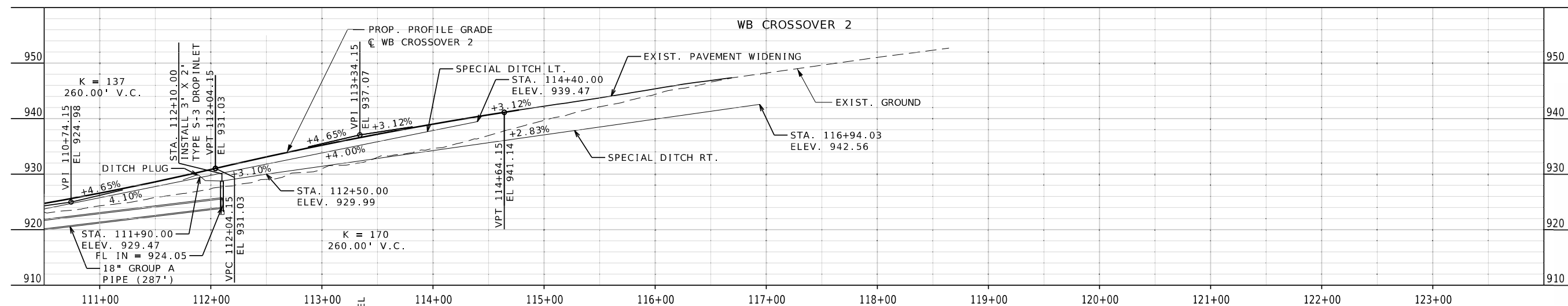
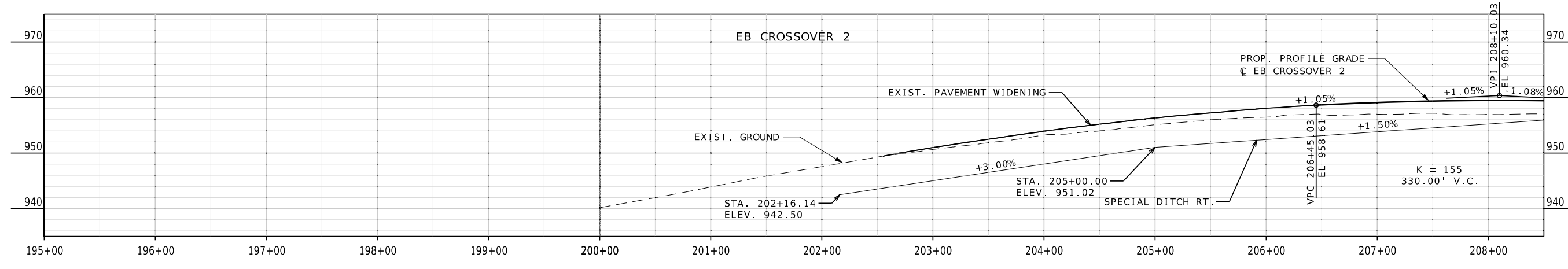
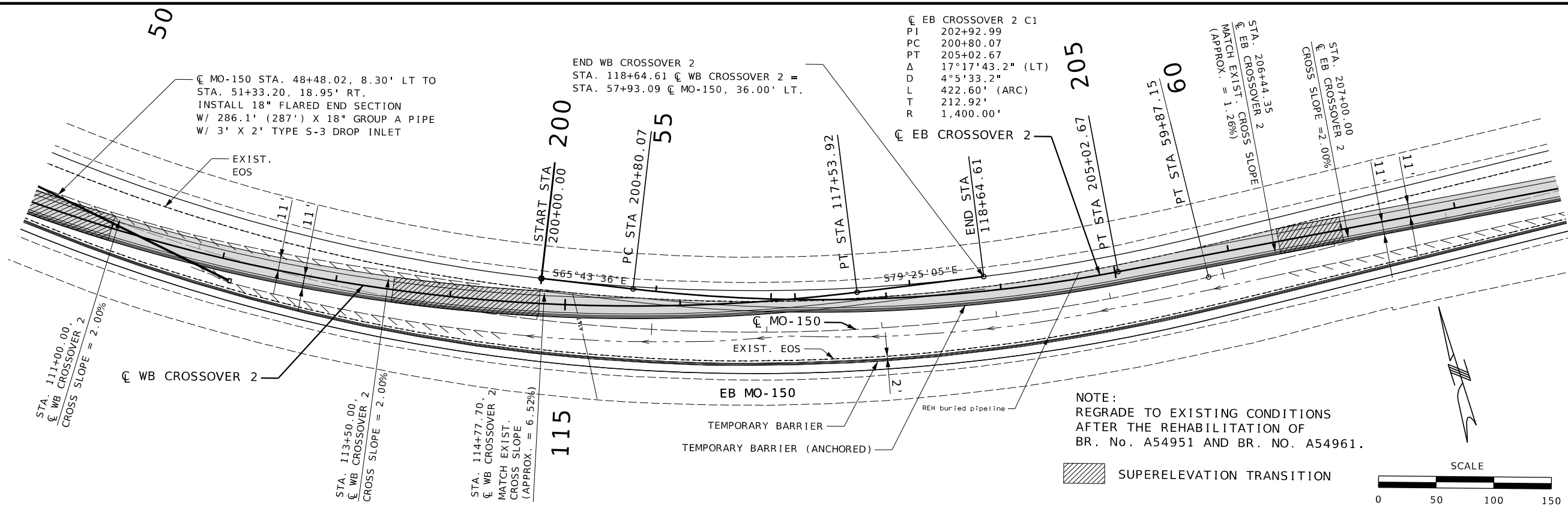
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-200602846

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



TRAFFIC CONTROL SHEET
EAST CROSSOVERS
SHEET 2 OF 3



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

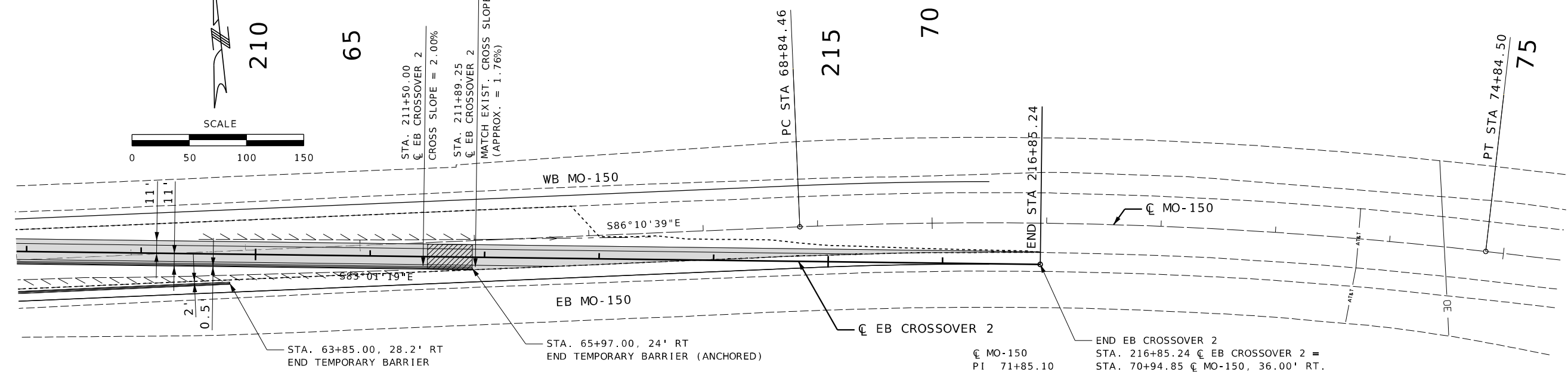
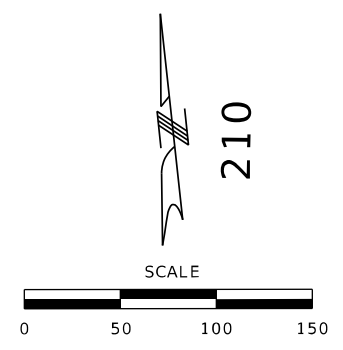
DATE PREPARED
03/27/2026
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 52
COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

Consult Inc
engineers
planners

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

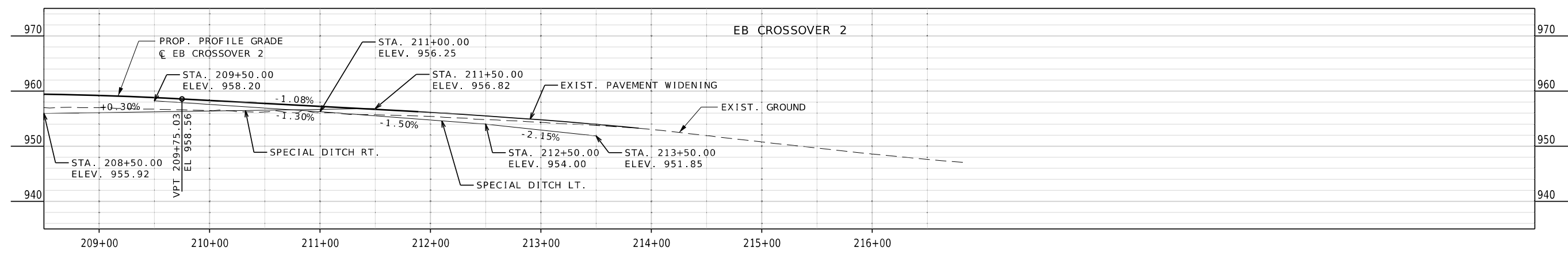


ϕ MO-150
 PI 71+85.10
 PC 68+84.46
 PT 74+84.50
 $\Delta 9^{\circ}0'0.0" (RT)$
 $D 1^{\circ}29'59.6"$
 $L 600.04' (ARC)$
 $T 300.64'$
 $R 3,820.00'$

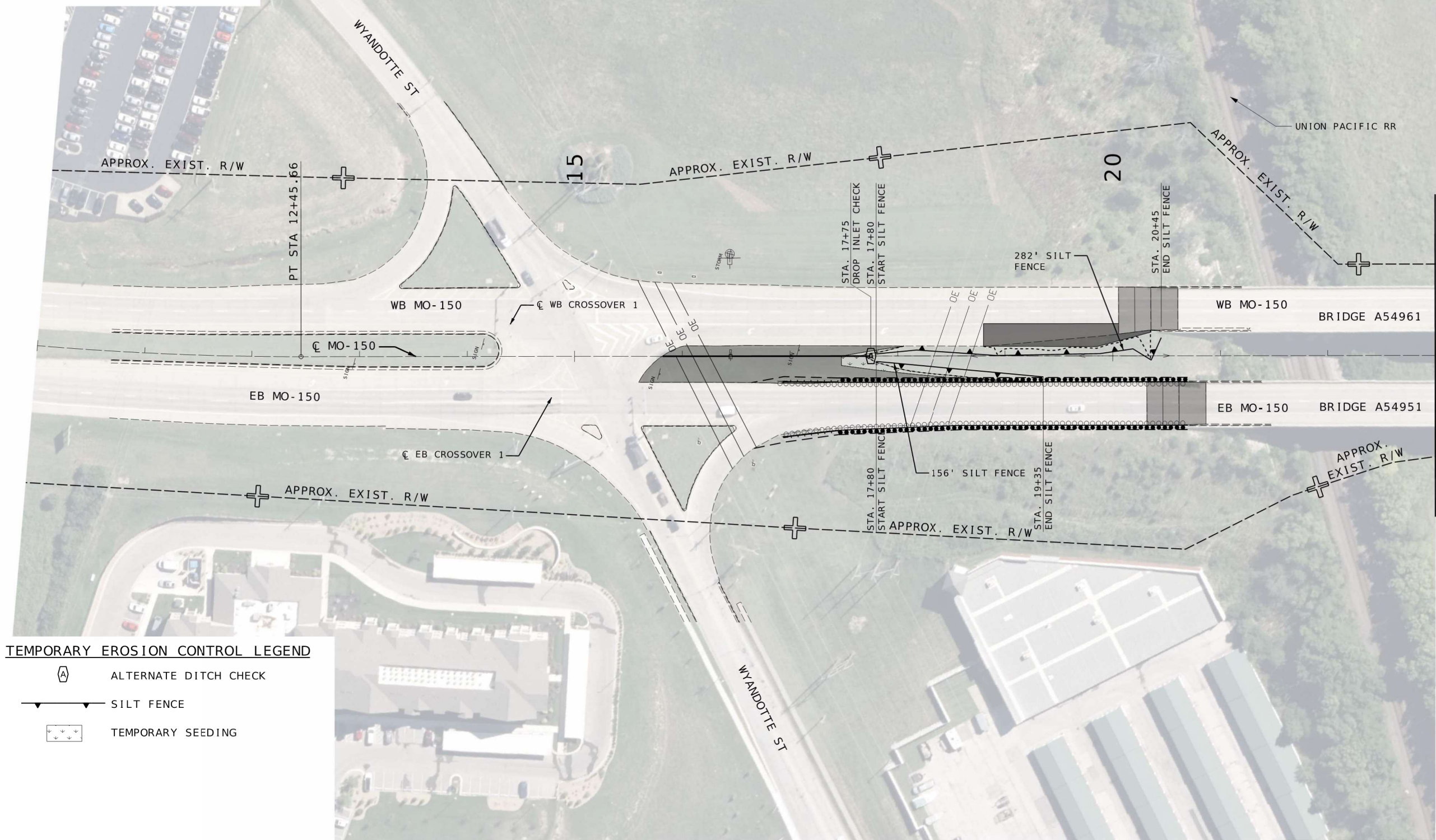
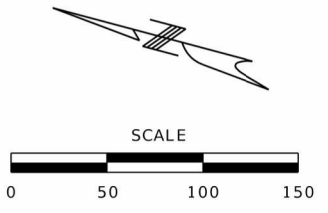
END EB CROSSOVER 2
 STA. 216+85.24 ϕ EB CROSSOVER 2 =
 STA. 70+94.85 ϕ MO-150, 36.00' RT.

SUPERELEVATION TRANSITION

NOTE:
REGRADE TO EXISTING CONDITIONS
AFTER THE REHABILITATION OF
BR. No. A54951 AND BR. NO. A54961.

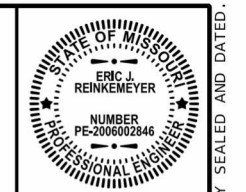


TRAFFIC CONTROL SHEET
EAST CROSSOVERS
SHEET 3 OF 3



TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- SILT FENCE
- TEMPORARY SEEDING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 53
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

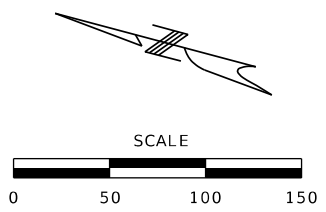
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TEMPORARY EROSION CONTROL SHEET 1 OF 5

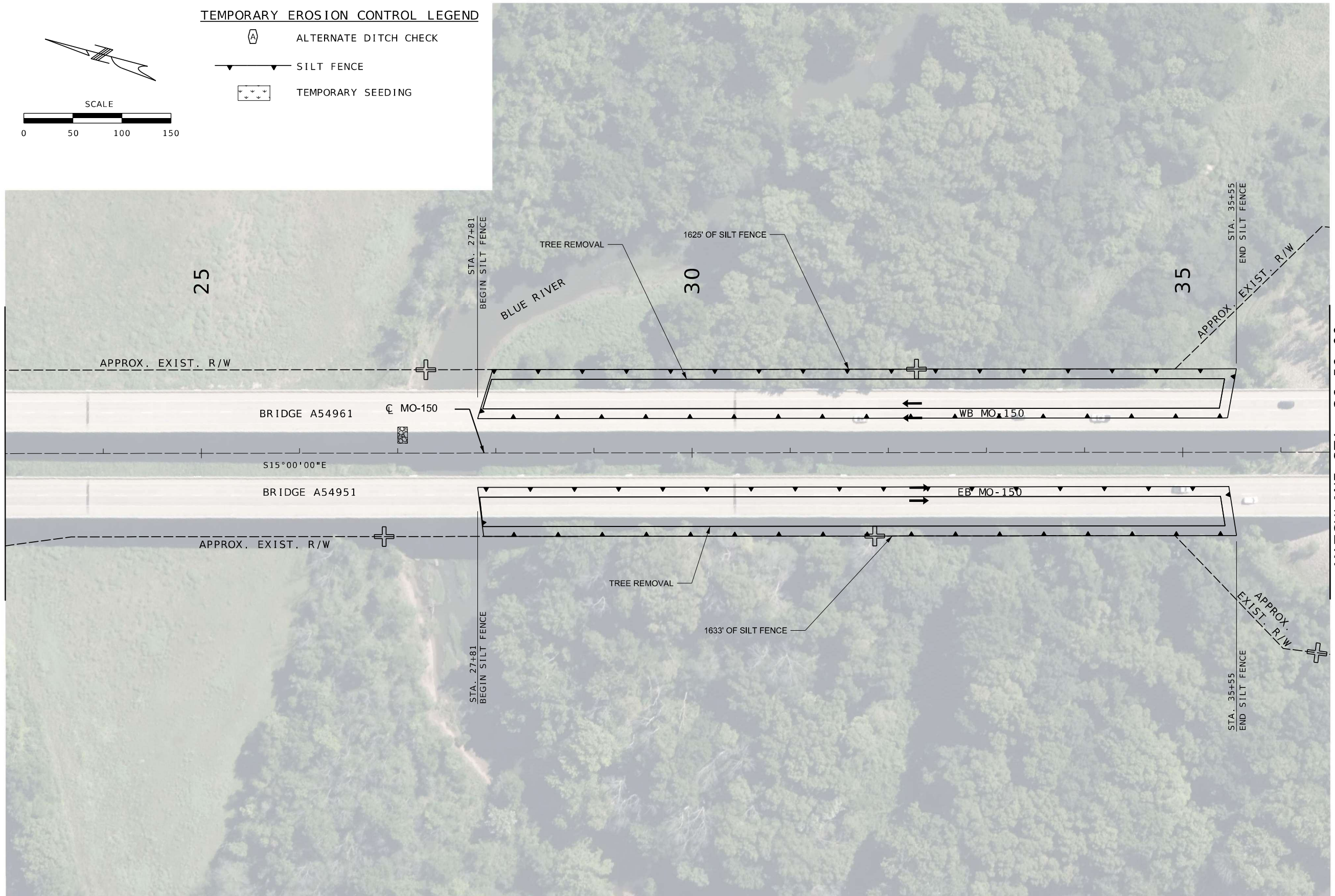


TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- SILT FENCE
- TEMPORARY SEEDING

MATCHLINE STA. 23+00.00

MATCHLINE STA. 36+50.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 54

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

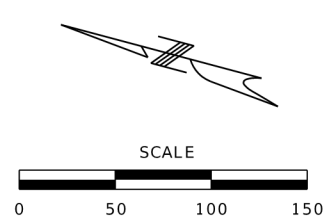
NO.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

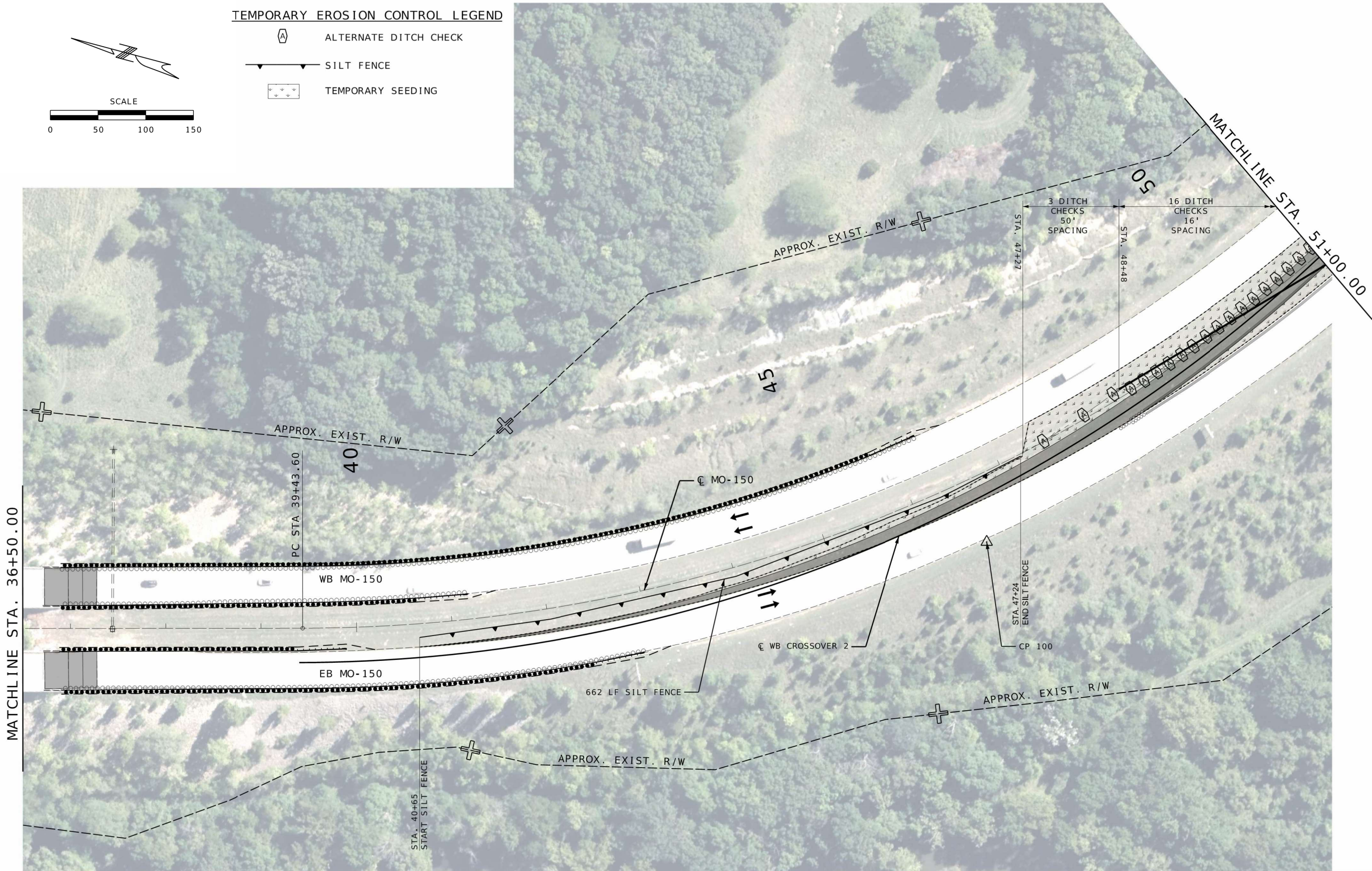
ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TEMPORARY EROSION CONTROL
SHEET 2 OF 5



TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- SILT FENCE
- TEMPORARY SEEDING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 55
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

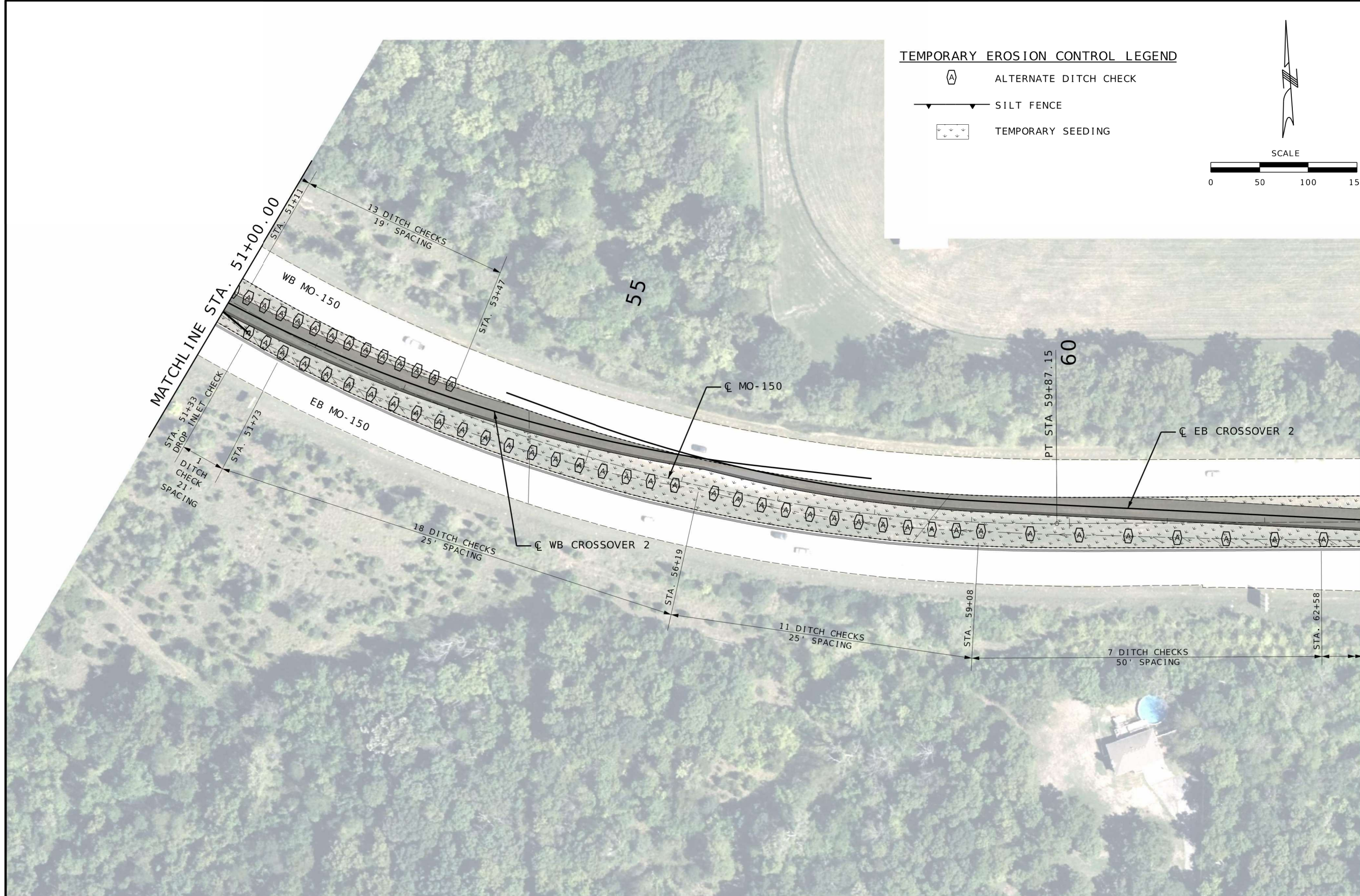
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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




ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

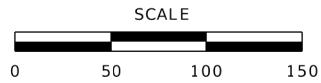
TEMPORARY EROSION CONTROL
SHEET 3 OF 5

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



TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  SILT FENCE
-  TEMPORARY SEEDING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 56

COUNTY JACKSON

JOB NO. JKU0140

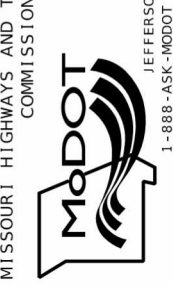
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

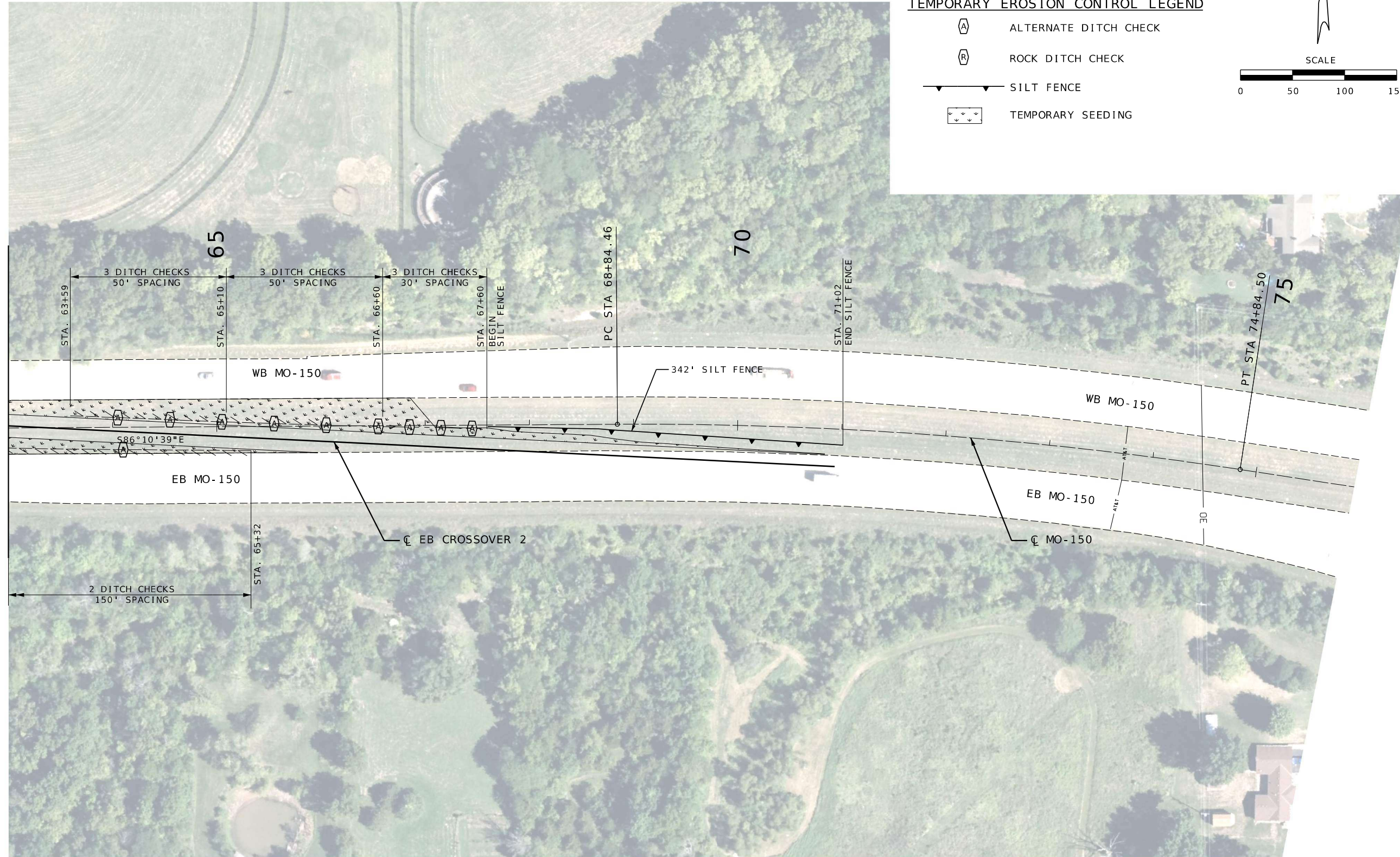


TEMPORARY EROSION CONTROL
SHEET 4 OF 5



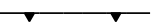

ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

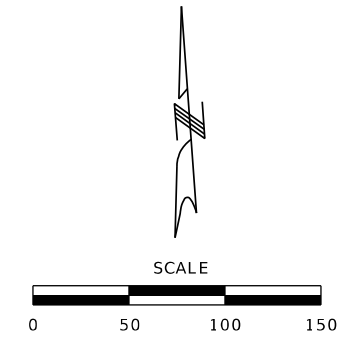
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED. REV.

MATCHLINE STA. 63+00.00



TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  ROCK DITCH CHECK
-  SILT FENCE
-  TEMPORARY SEEDING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 57

COUNTY JACKSON

JOB NO. JKU0140

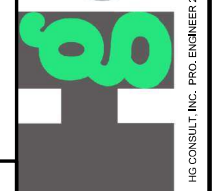
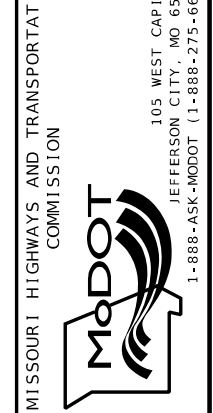
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

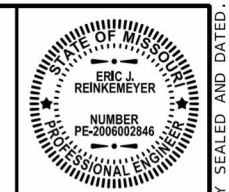
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

TEMPORARY EROSION CONTROL
SHEET 5 OF 5

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 58

COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.

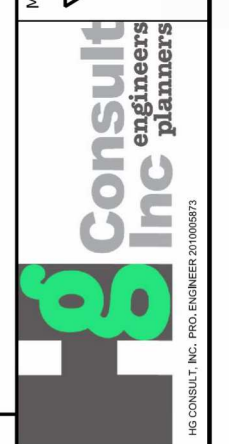
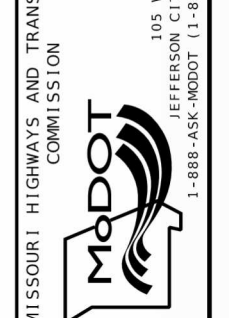
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

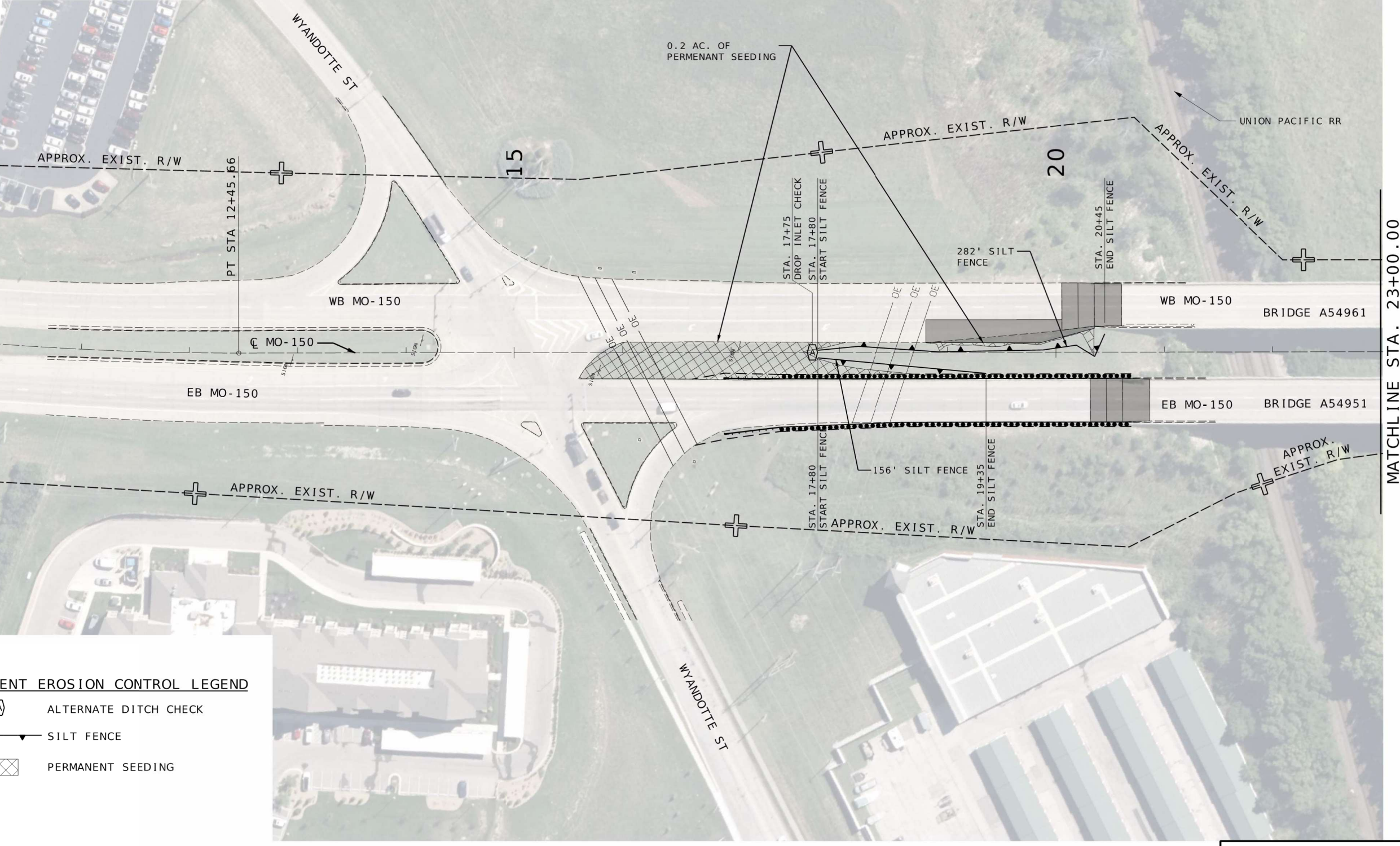
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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

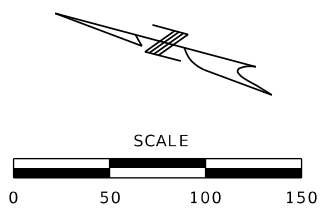


PERMANENT EROSION CONTROL LEGEND




- ALTERNATE DITCH CHECK
- SILT FENCE
- PERMANENT SEEDING

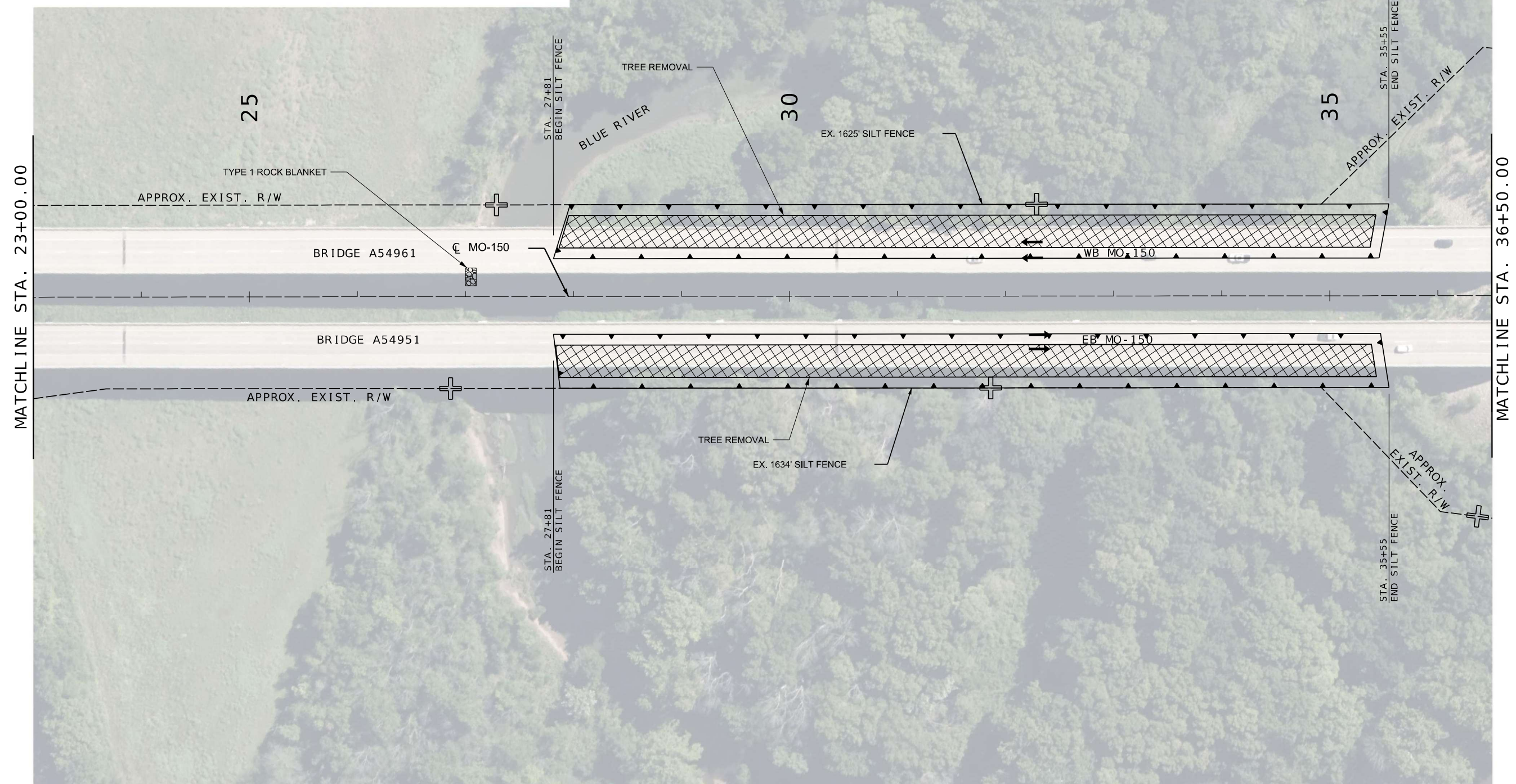
MATCHLINE STA. 23+00.00

PERMANENT EROSION CONTROL
SHEET 1 OF 5



PERMANENT EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  SILT FENCE
-  PERMANENT SEEDING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 59

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

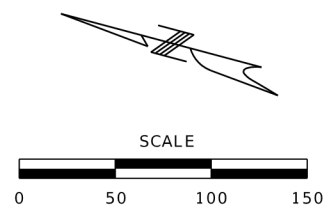
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION




ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

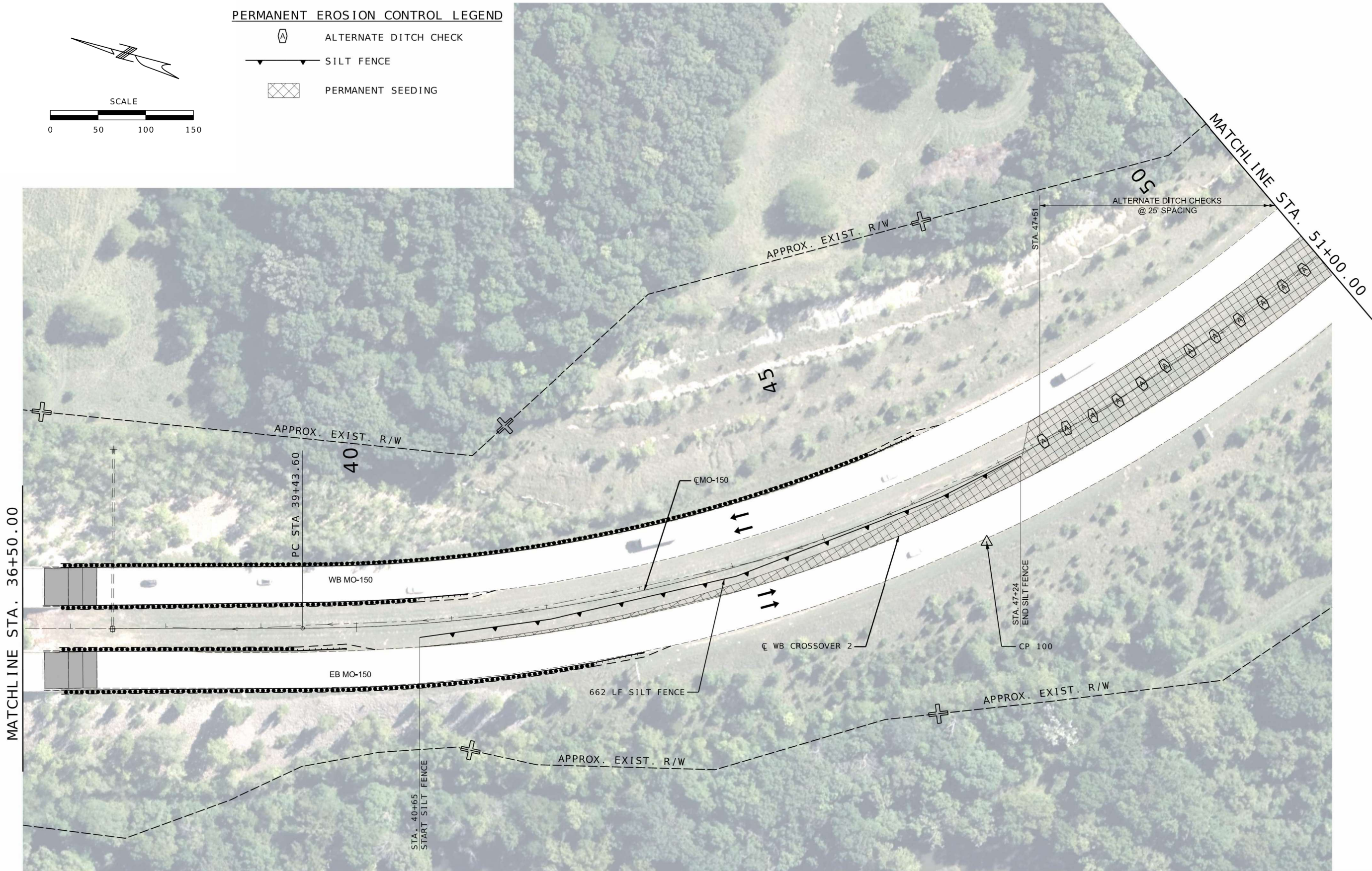
PERMANENT EROSION CONTROL
SHEET 2 OF 5

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



PERMANENT EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  SILT FENCE
-  PERMANENT SEEDING




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 60
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



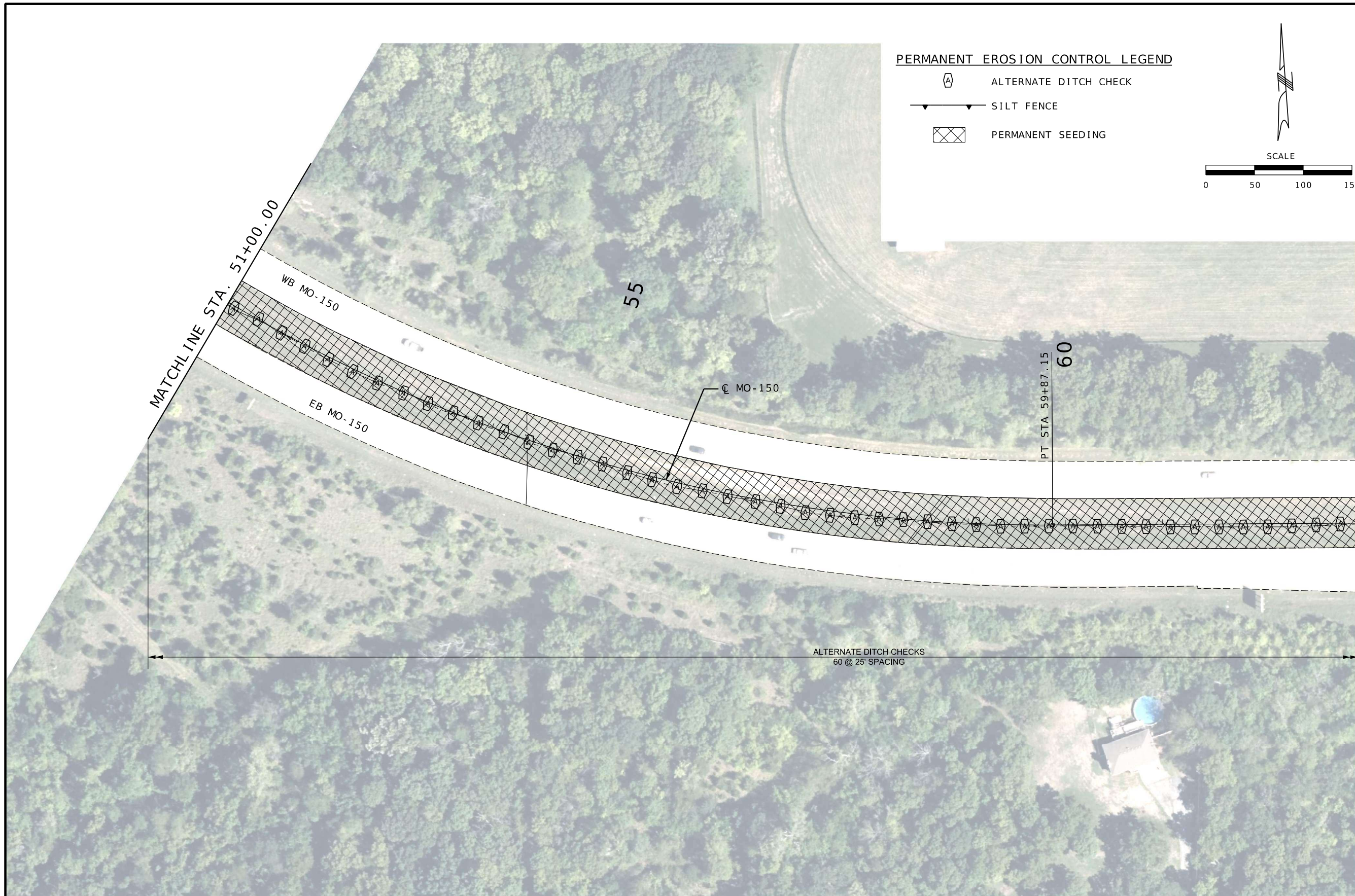
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)






Consult Inc
engineers
planners

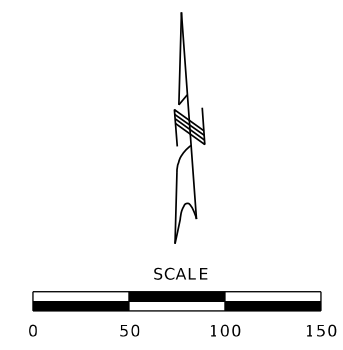
PERMANENT EROSION CONTROL
SHEET 3 OF 5

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



PERMANENT EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  SILT FENCE
-  PERMANENT SEEDING



MATCHLINE STA. 51+00.00

MATCHLINE STA. 63+00.00

WB MO-150

EB MO-150

55

PT STA 59+87.15
60

MO-150

ALTERNATE DITCH CHECKS
60 @ 25' SPACING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 61

COUNTY JACKSON

JOB NO. JKU0140


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



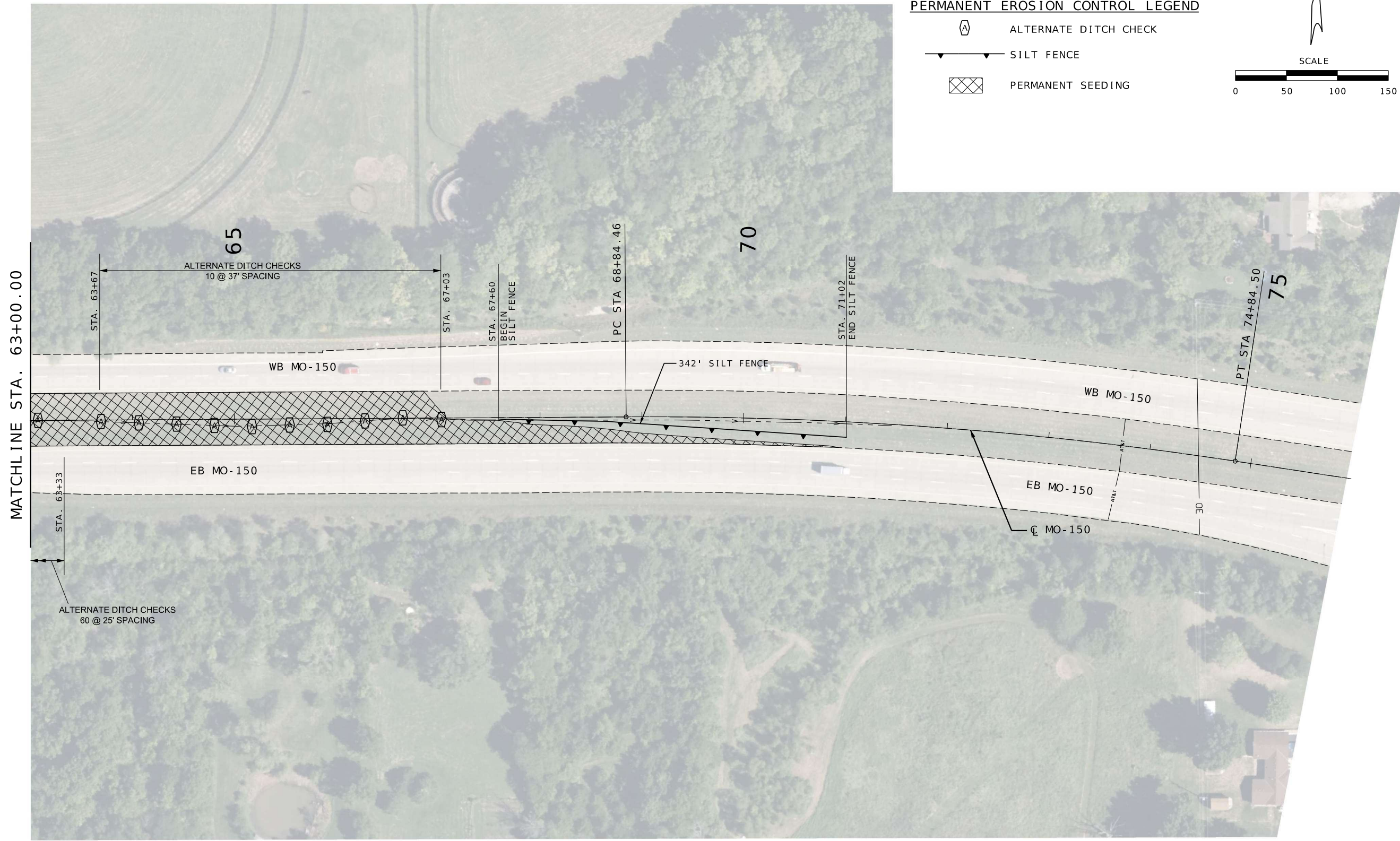
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)






Consult Inc
engineers
planners

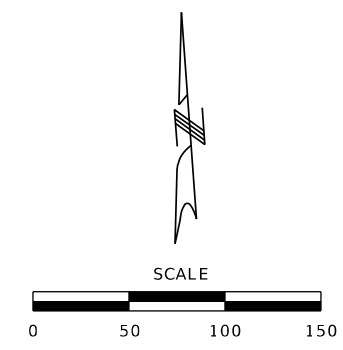
PERMANENT EROSION CONTROL
SHEET 4 OF 5

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



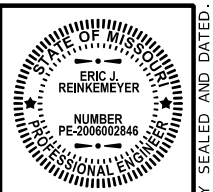
PERMANENT EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  SILT FENCE
-  PERMANENT SEEDING



MATCHLINE STA. 63+00.00

PERMANENT EROSION CONTROL
SHEET 5 OF 5




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.


DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 62
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

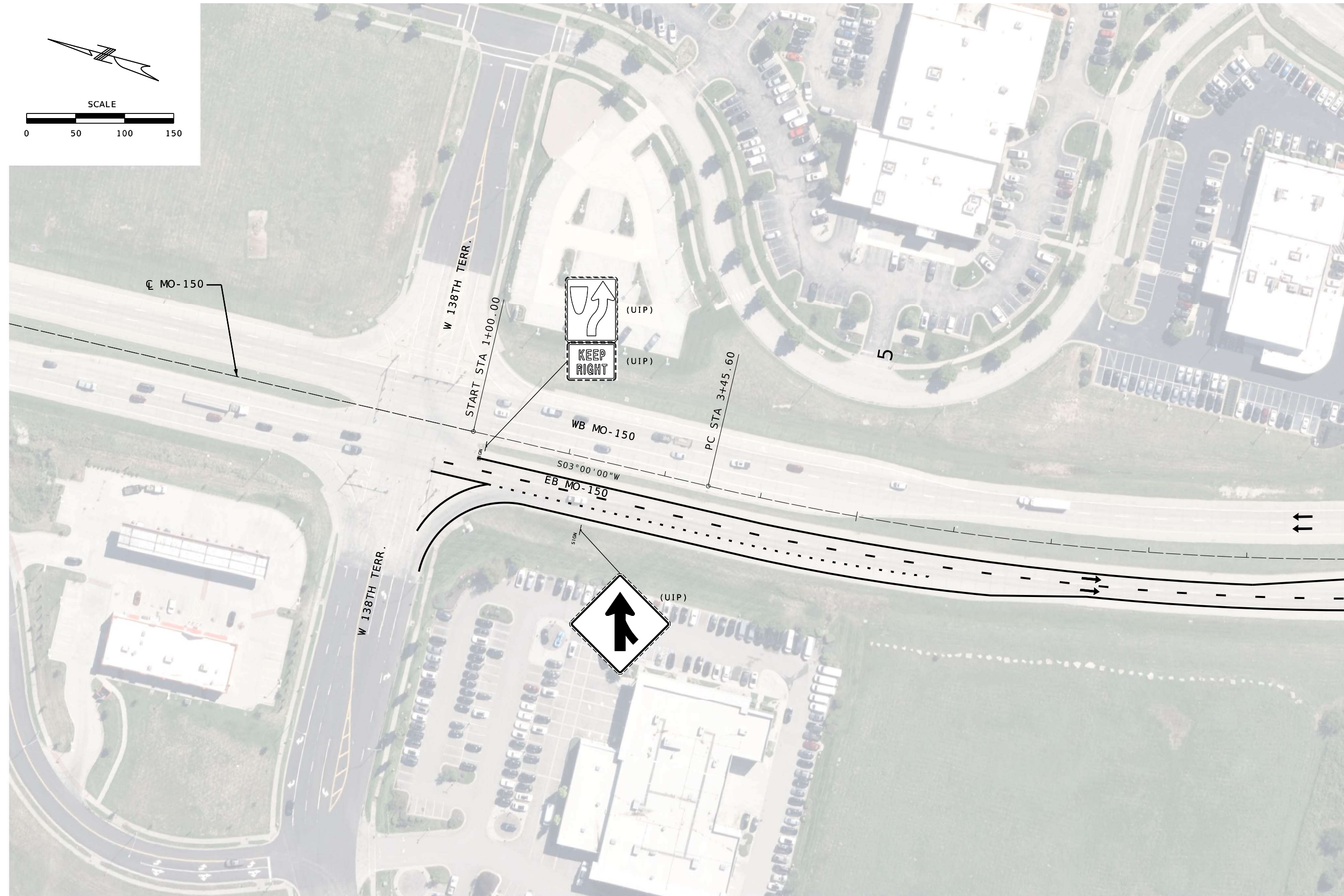
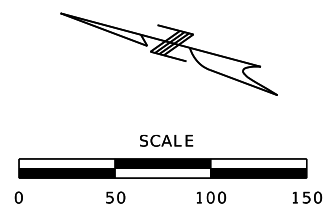


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

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



MATCHLINE STA. 10+00.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	63

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

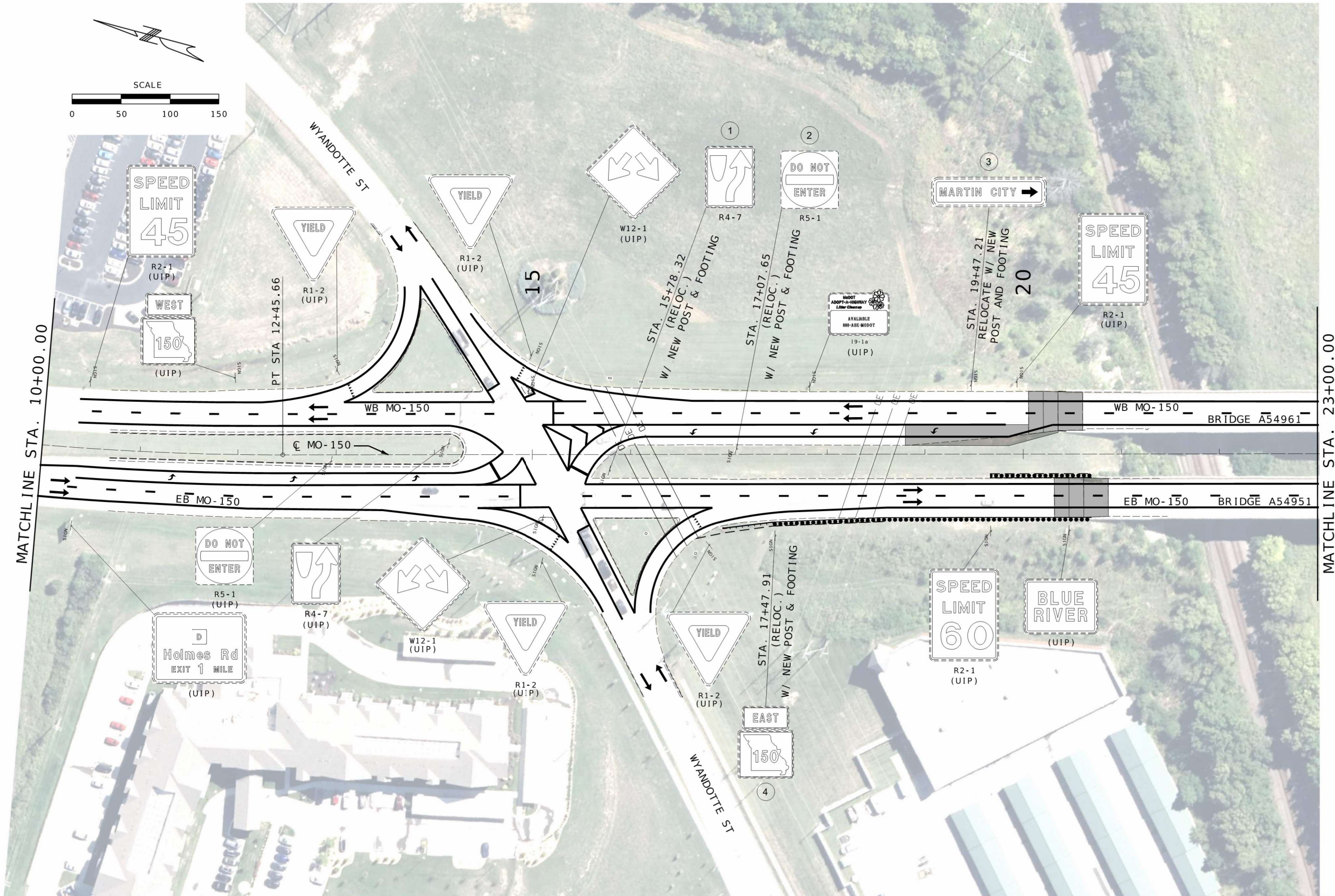
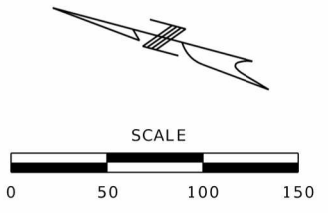
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

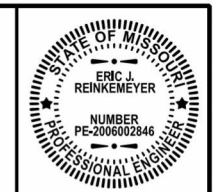
SIGNING SHEET
SHEET 1 OF 8

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



MATCHLINE STA. 10+00.00

MATCHLINE STA. 23+00.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 64

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

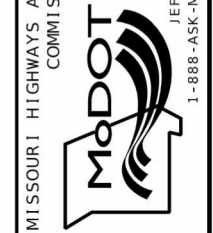
PROJECT NO.

BRIDGE NO.

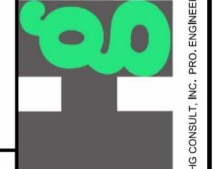
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



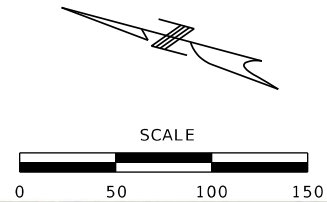
Consult Inc
engineers
planners



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

SIGNING SHEET
SHEET 2 OF 8

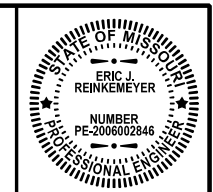
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



MATCHLINE STA. 23+00.00



MATCHLINE STA. 36+50.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO

DISTRICT	SHEET NO.
KC	65

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

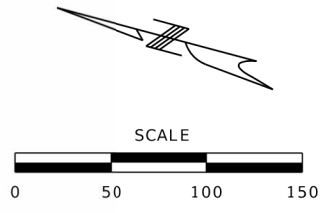
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

HE CONSULT, INC. PRO. ENGINEER 201008673

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

SIGNING SHEET
SHEET 3 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 66

COUNTY JACKSON

JOB NO. JKU0140

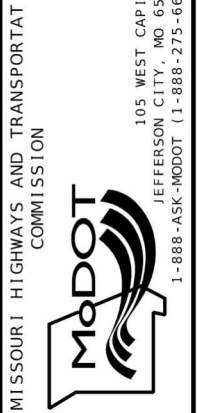
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

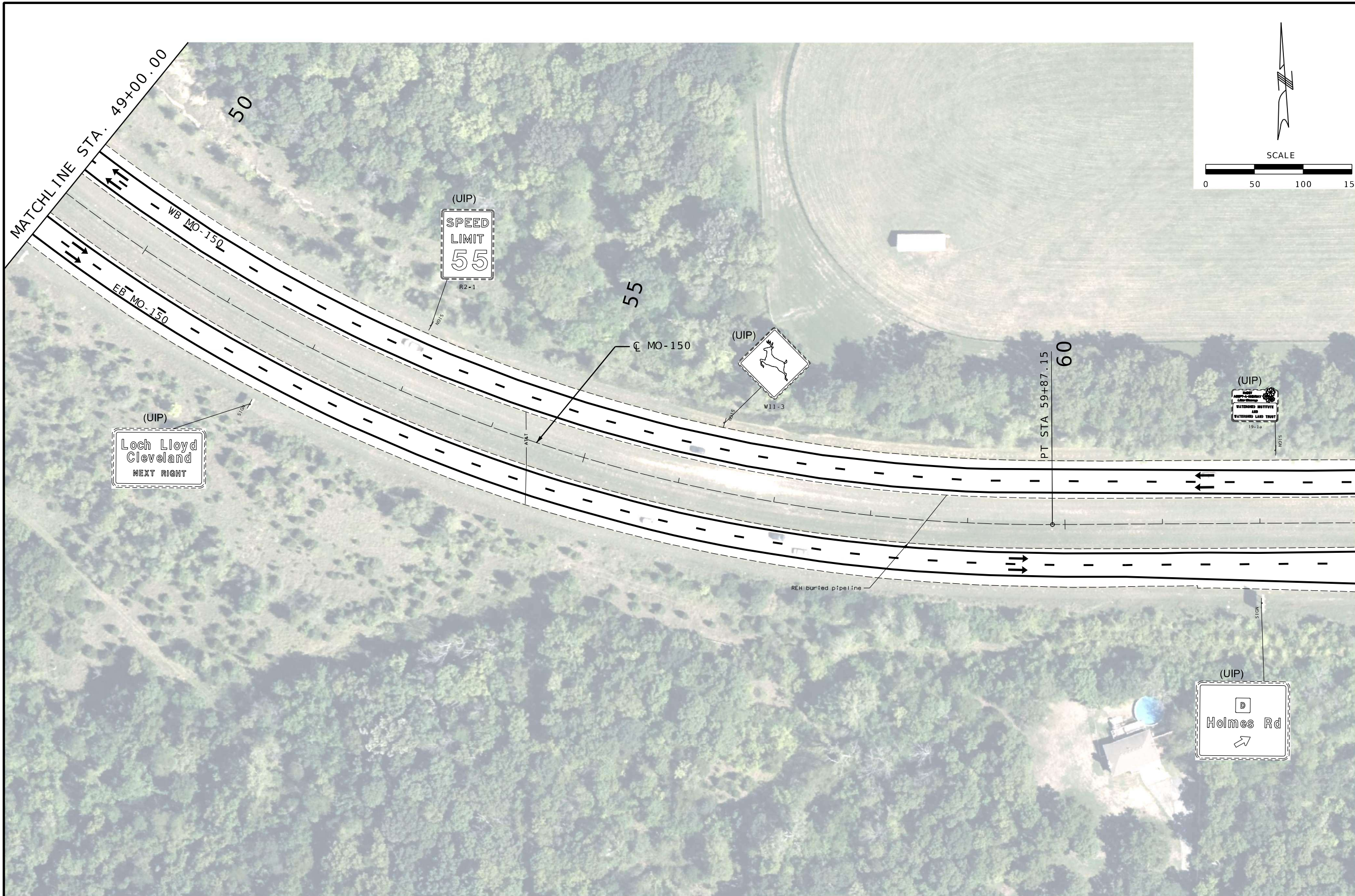
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

SIGNING SHEET
SHEET 4 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 67

COUNTY JACKSON

JOB NO. JKU0140

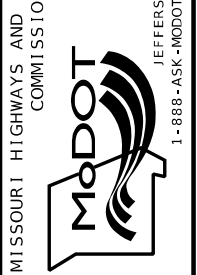
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

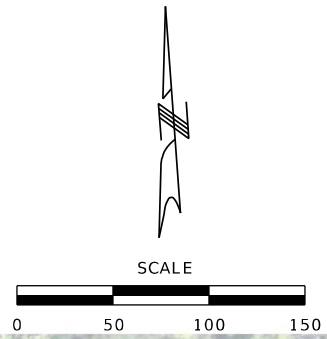
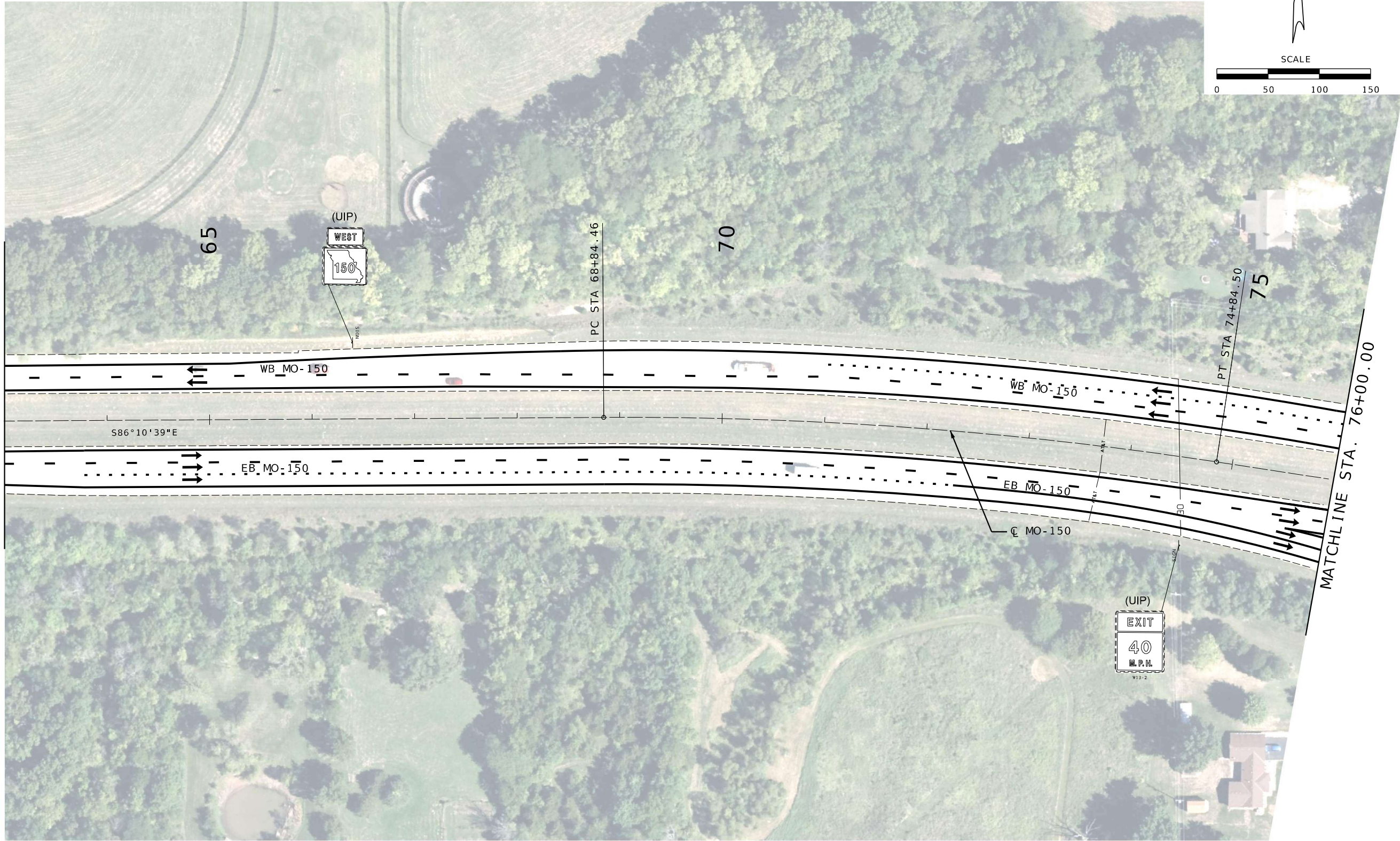
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

SIGNING SHEET
SHEET 5 OF 8

MATCHLINE STA. 63+00.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 68

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

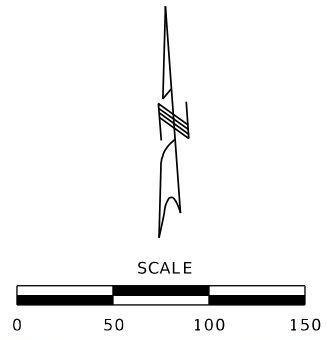
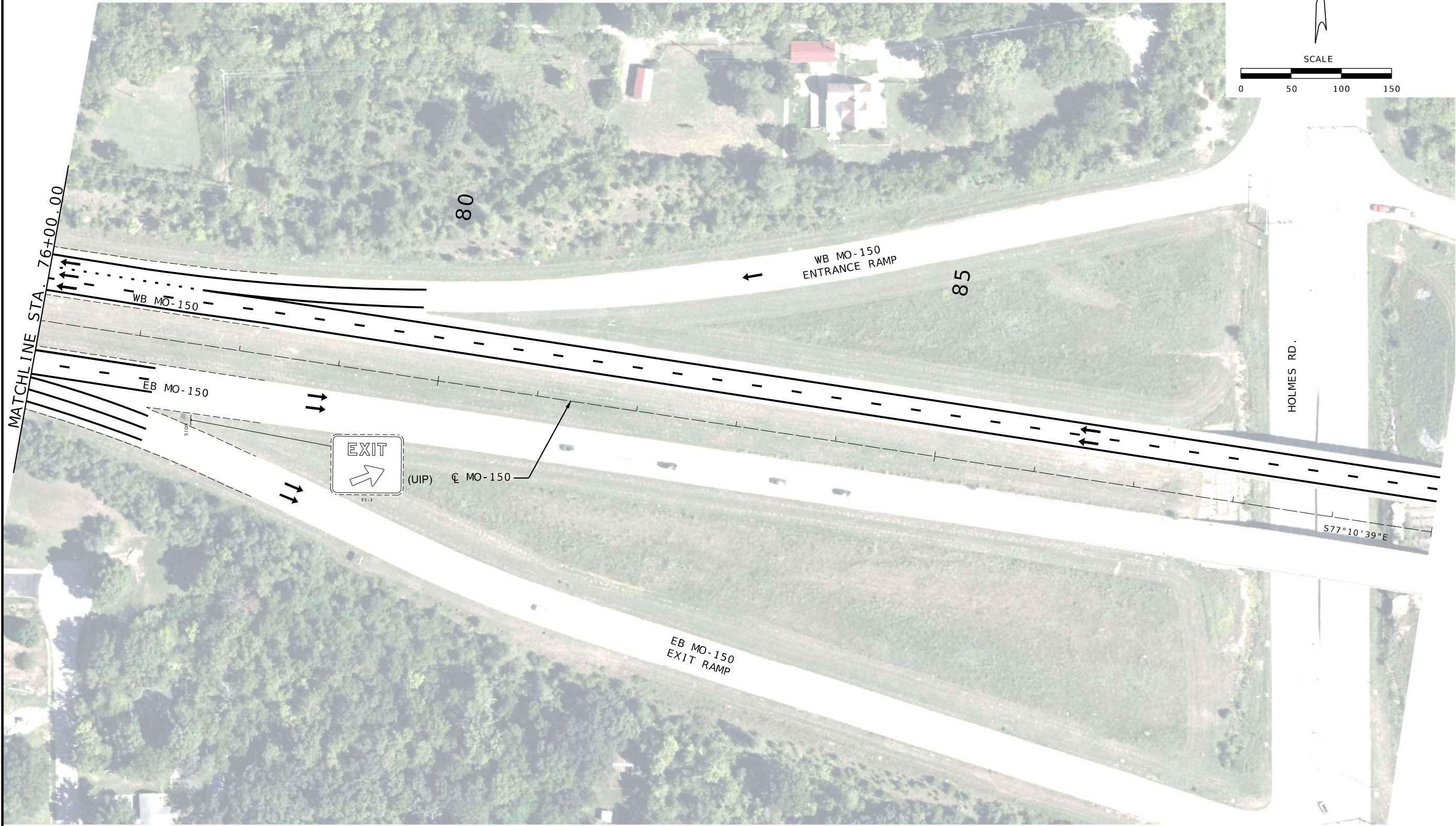
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc
engineers planners

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

SIGNING SHEET
SHEET 6 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 69

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

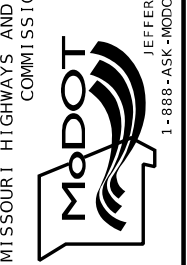
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



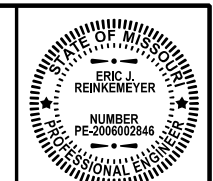
Consult Inc
engineers
planners

HG CONSULT, INC. PRO. ENGINEER 201006873

ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

SIGNING SHEET
SHEET 7 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 71
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

Consult Inc engineers planners
 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

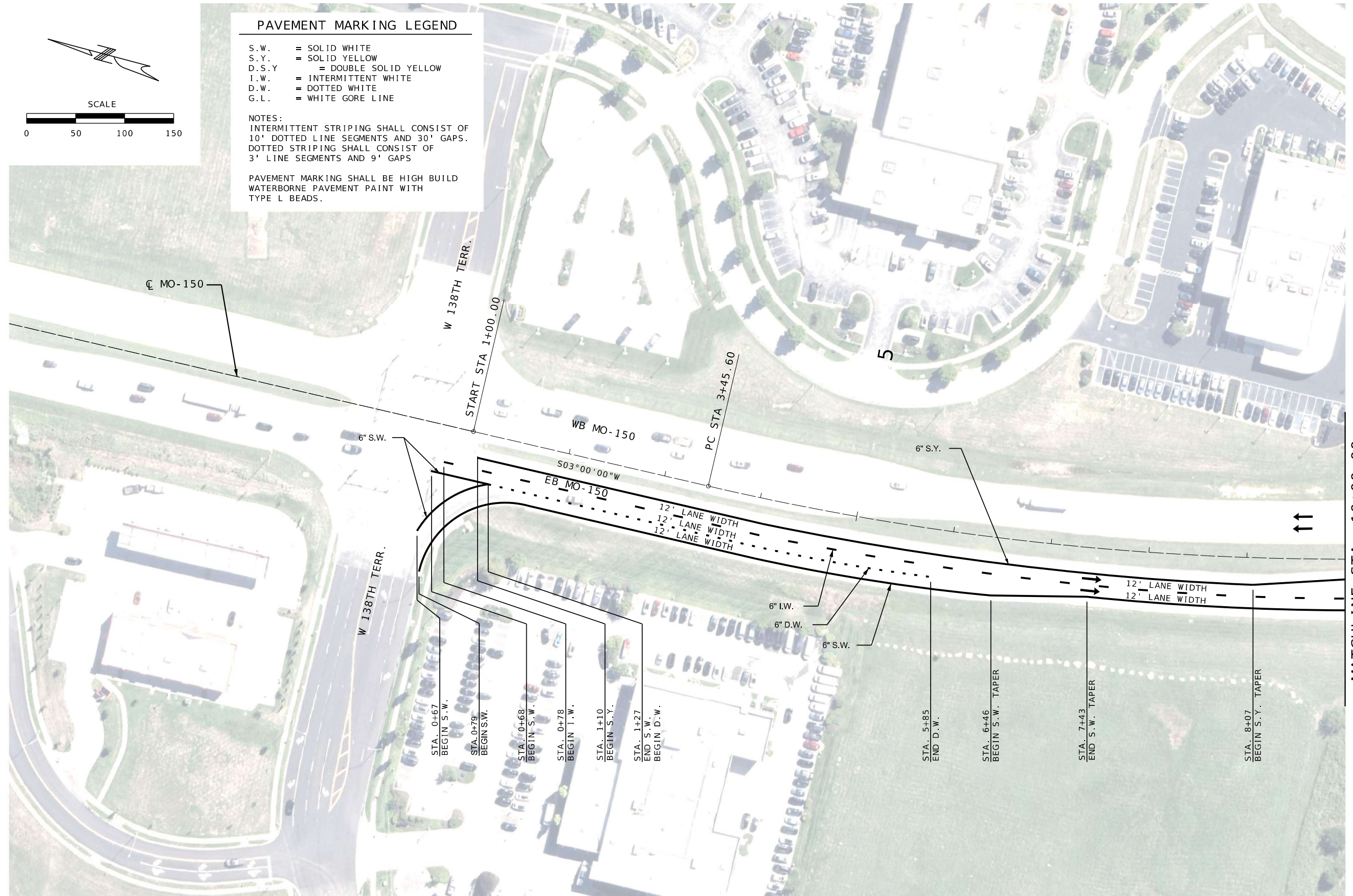
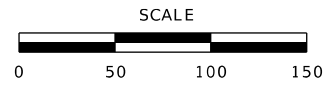
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PAVEMENT MARKING LEGEND

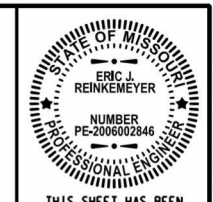
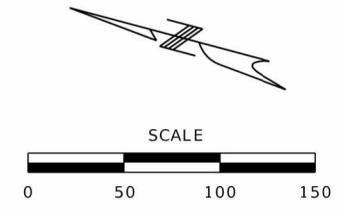
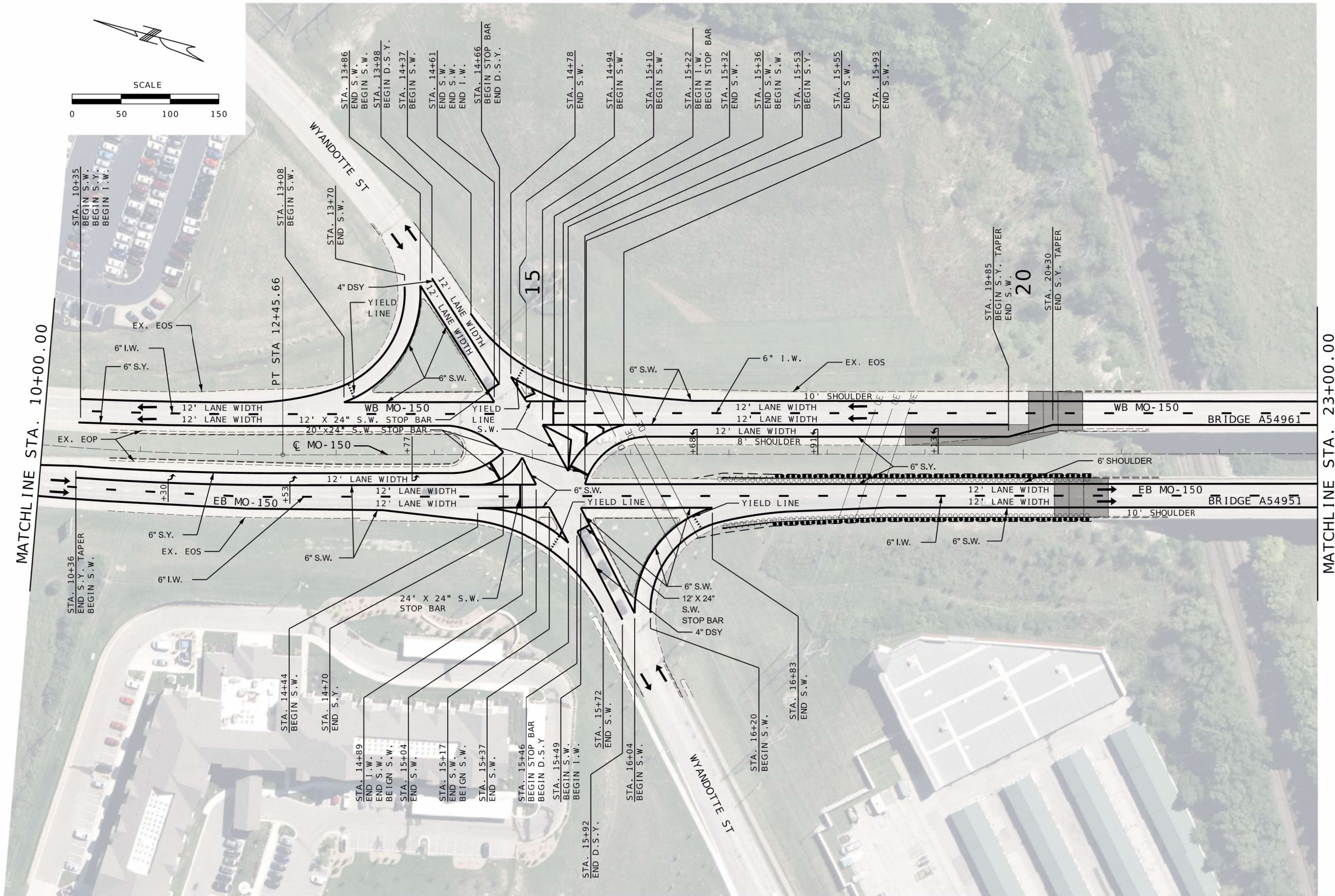
- S.W. = SOLID WHITE
- S.Y. = SOLID YELLOW
- D.S.Y. = DOUBLE SOLID YELLOW
- I.W. = INTERMITTENT WHITE
- D.W. = DOTTED WHITE
- G.L. = WHITE GORE LINE

NOTES:
 INTERMITTENT STRIPING SHALL CONSIST OF 10' DOTTED LINE SEGMENTS AND 30' GAPS.
 DOTTED STRIPING SHALL CONSIST OF 3' LINE SEGMENTS AND 9' GAPS

PAVEMENT MARKING SHALL BE HIGH BUILD WATERBORNE PAVEMENT PAINT WITH TYPE L BEADS.



PAVEMENT MARKING SHEET
 SHEET 1 OF 8

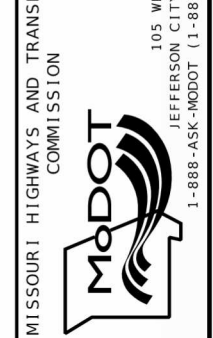


THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/27/2026	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 72
COUNTY JACKSON	
JOB NO. JKU0140	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

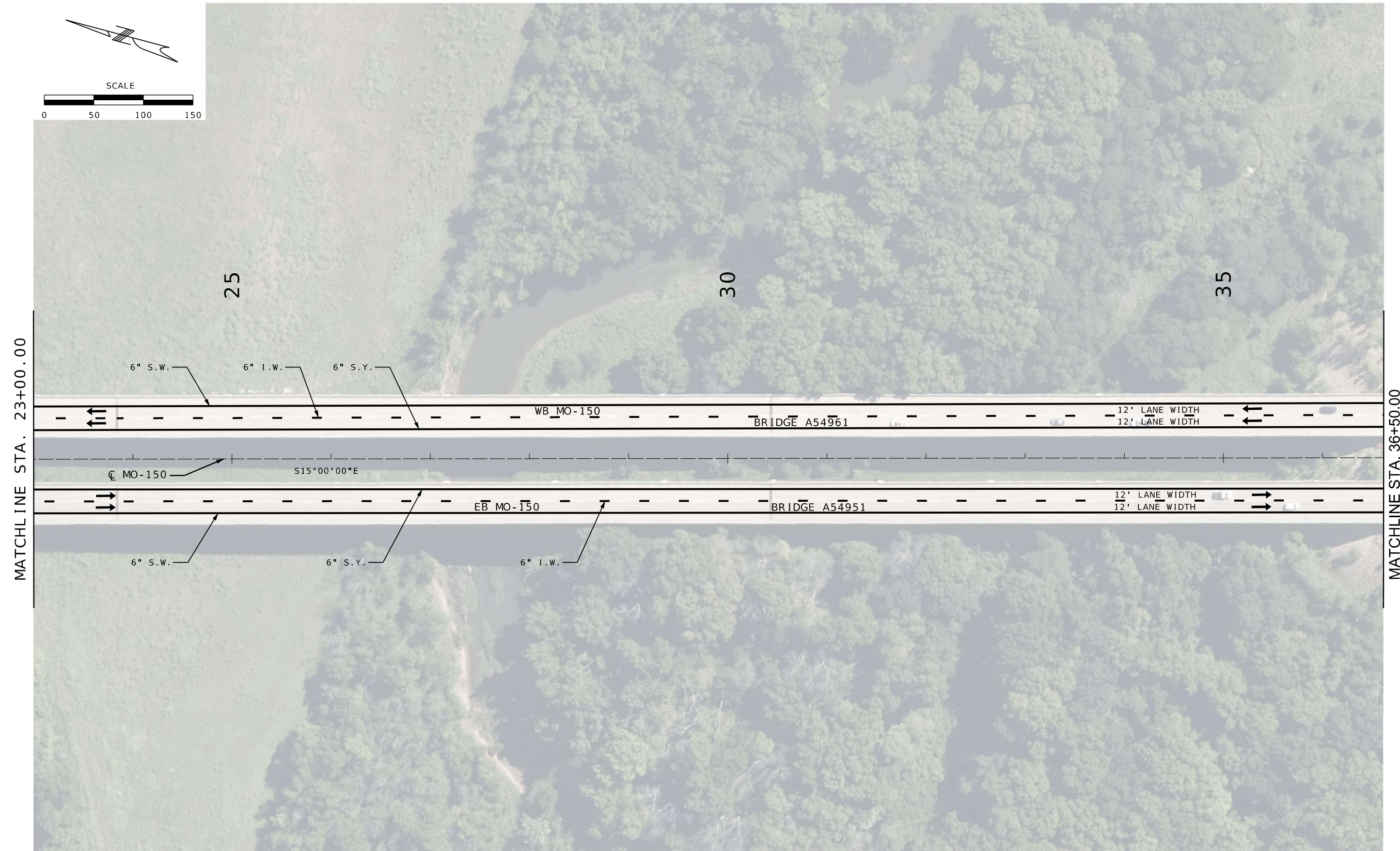
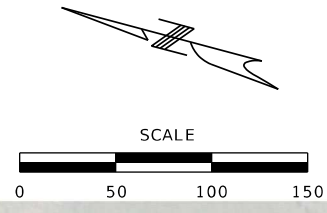
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6361)



PAVEMENT MARKING SHEET
SHEET 2 OF 8

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO

DISTRICT	SHEET NO.
KC	73

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

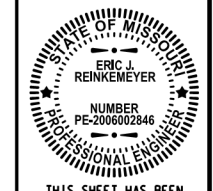
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846

PAVEMENT MARKING SHEET
SHEET 3 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 74

COUNTY JACKSON

JOB NO. JKU0140

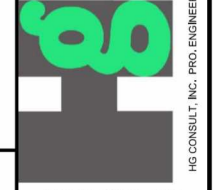
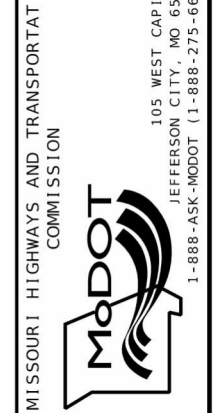
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

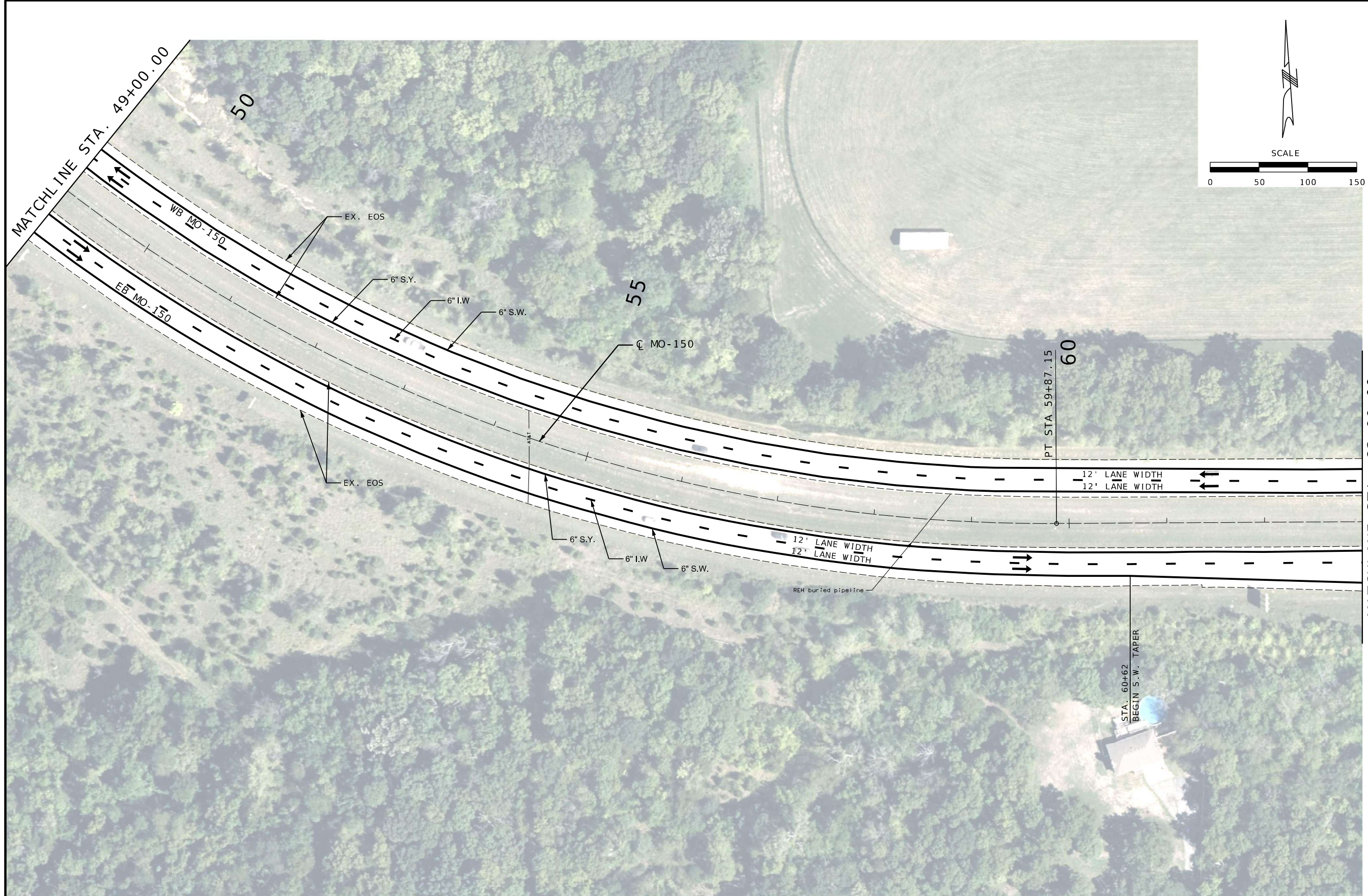


ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

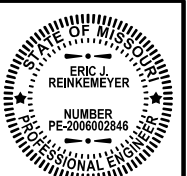
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



PAVEMENT MARKING SHEET
SHEET 4 OF 8



MATCHLINE STA. 63+00.00



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	75

COUNTY
JACKSON

JOB NO.
JKU0140

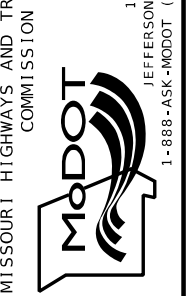
CONTRACT ID.

PROJECT NO.

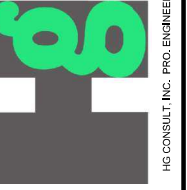
BRIDGE NO.

REVISION	DESCRIPTION	DATE

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



Consult Inc
engineers
planners



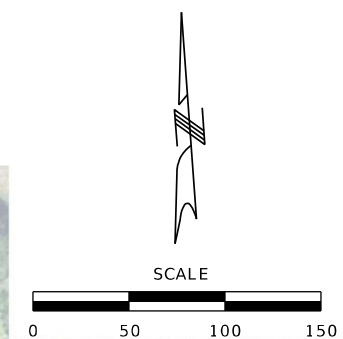
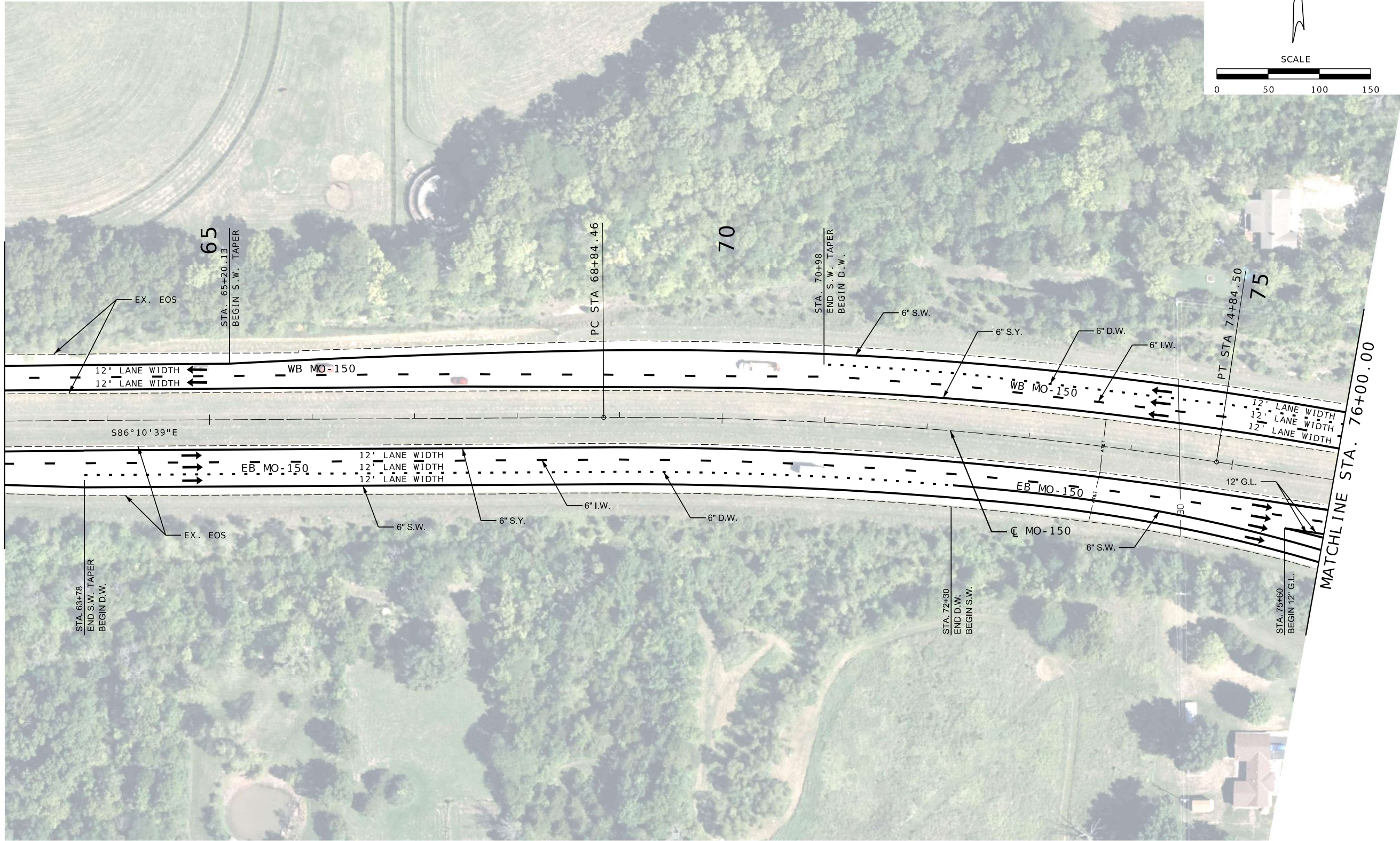
ERIC REINKEMEYER
PROFESSIONAL
ENGINEER
PE-2006002846

PAVEMENT MARKING SHEET
SHEET 5 OF 8

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

MATCHLINE STA. 63+00.00


MATCHLINE STA. 76+00.00




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 76
COUNTY JACKSON
JOB NO. JKU0140
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)


 ERIC REINKEMEYER
 PROFESSIONAL ENGINEER
 PE-2006002846

PAVEMENT MARKING SHEET
SHEET 6 OF 8

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/27/2026

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 78

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

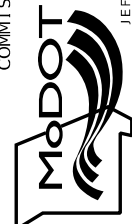
PROJECT NO.

BRIDGE NO.


DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

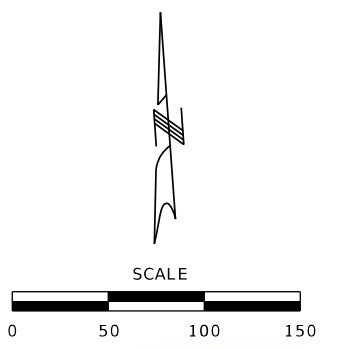


105 WEST CAPITOL
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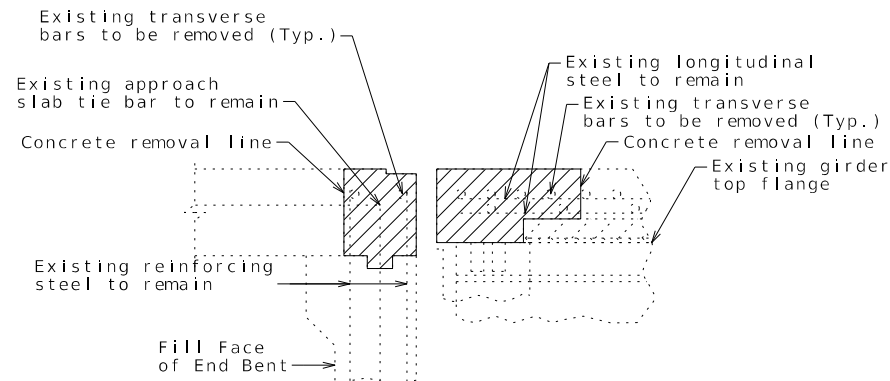


HE CONSULT, INC. PRO. ENGINEER 201008673

ERIC REINKEMEYER
PROFESSIONAL ENGINEER
PE-2006002846



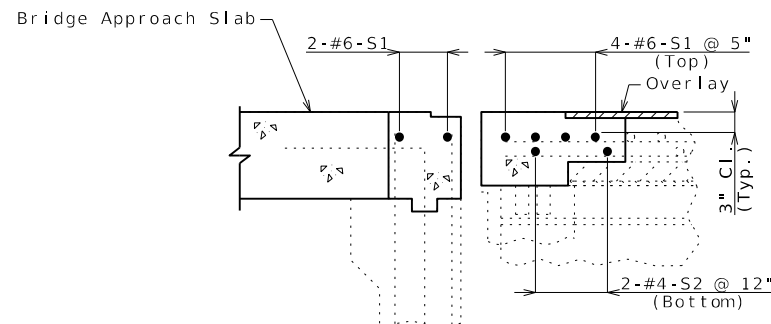
PAVEMENT MARKING SHEET
SHEET 8 OF 8



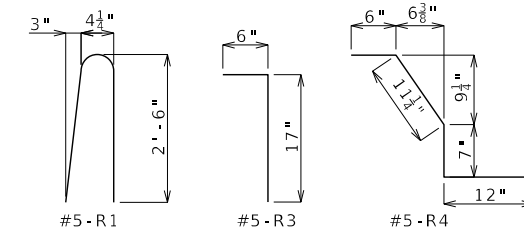
DETAILS OF CONCRETE REMOVAL AT END BENT NO. 17

The cost of concrete removal as shown will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint & Adjacent Concrete. Vertical backwall and reinforcement shall remain in place and embedded in new concrete.

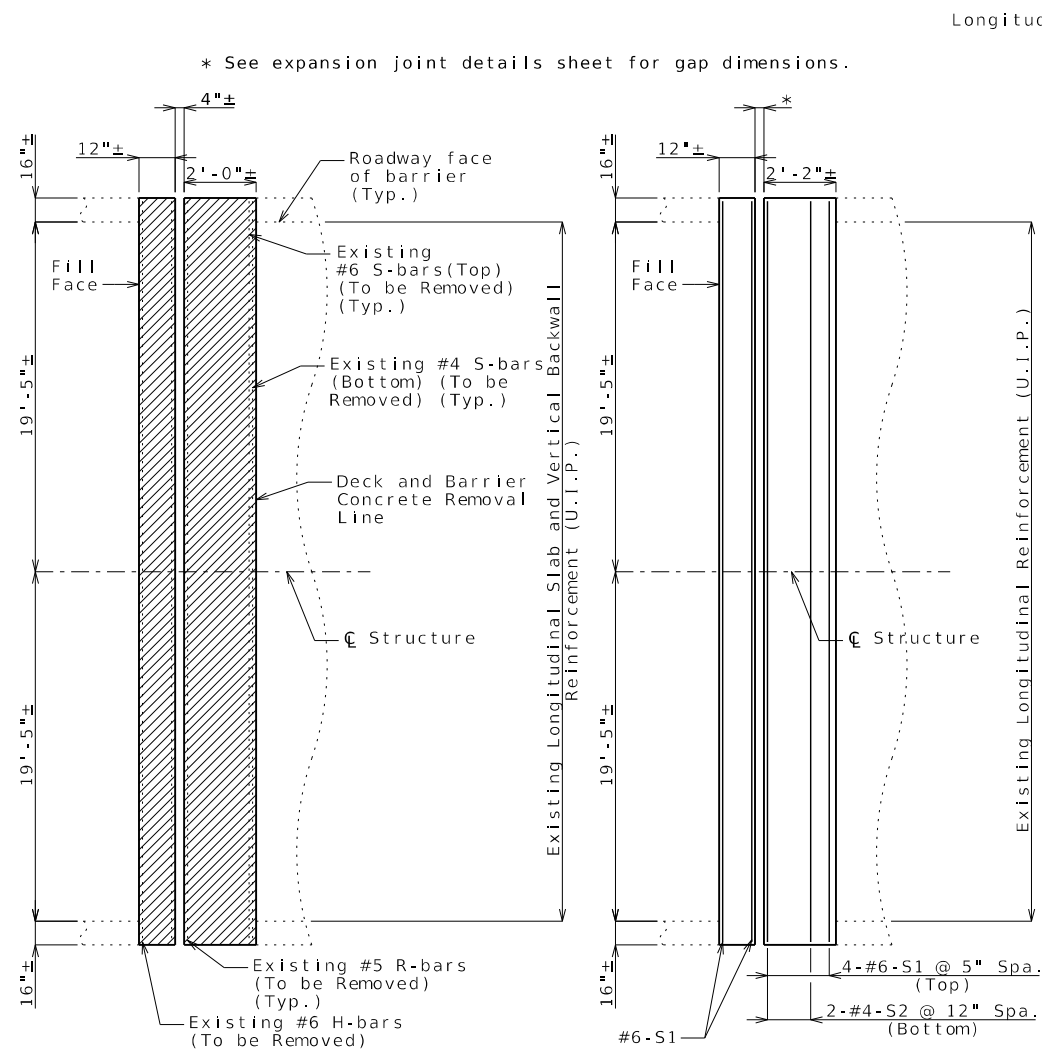
Contractor shall exercise care not to damage precast deck panel when removing joint. Any damage sustained to the precast panels as a result of the contractor's operations shall be repaired or the material replaced as approved by the engineer at the contractor's expense.



PART SECTION SHOWING REINFORCING STEEL AT END BENT NO. 17
(Expansion Joint details not shown for clarity)

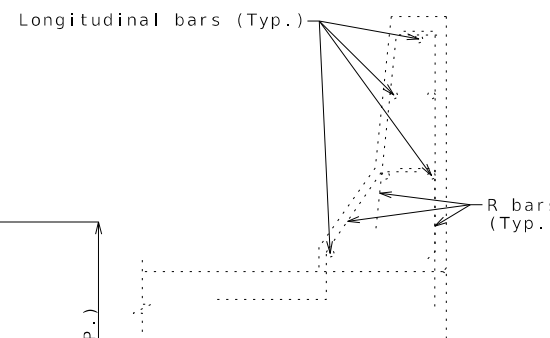


BAR BENDING DIAGRAMS

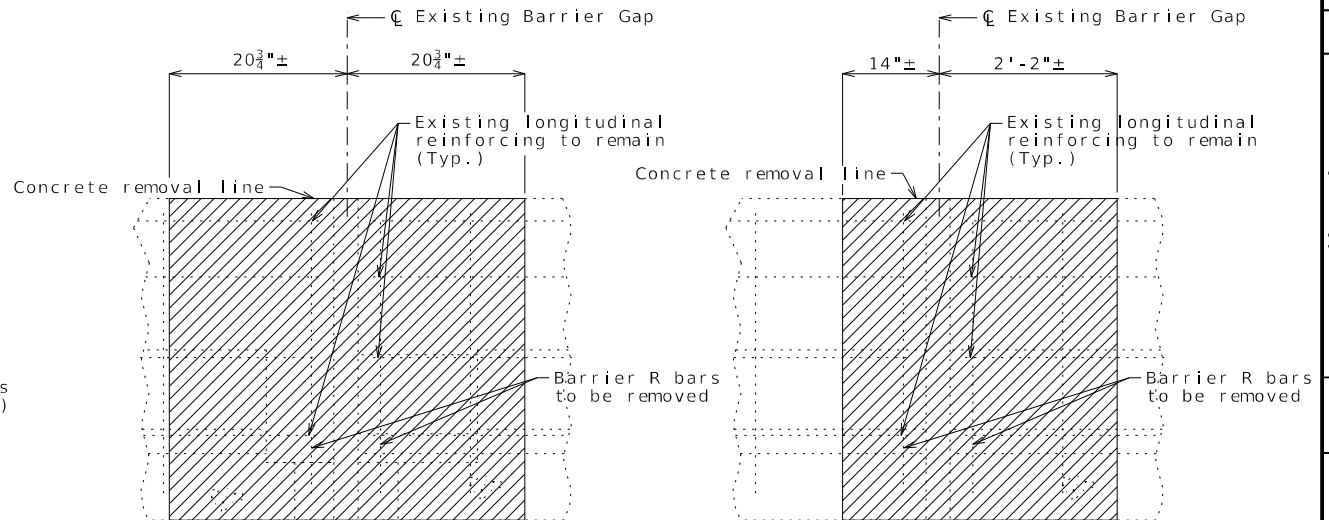


PART PLAN OF SLAB AT END BENT NO. 17 SHOWING LIMITS OF CONCRETE REMOVAL

PART PLAN OF SLAB AT END BENT NO. 17 SHOWING NEW CONCRETE AND REINFORCEMENT
(Barrier reinforcement not shown for clarity)



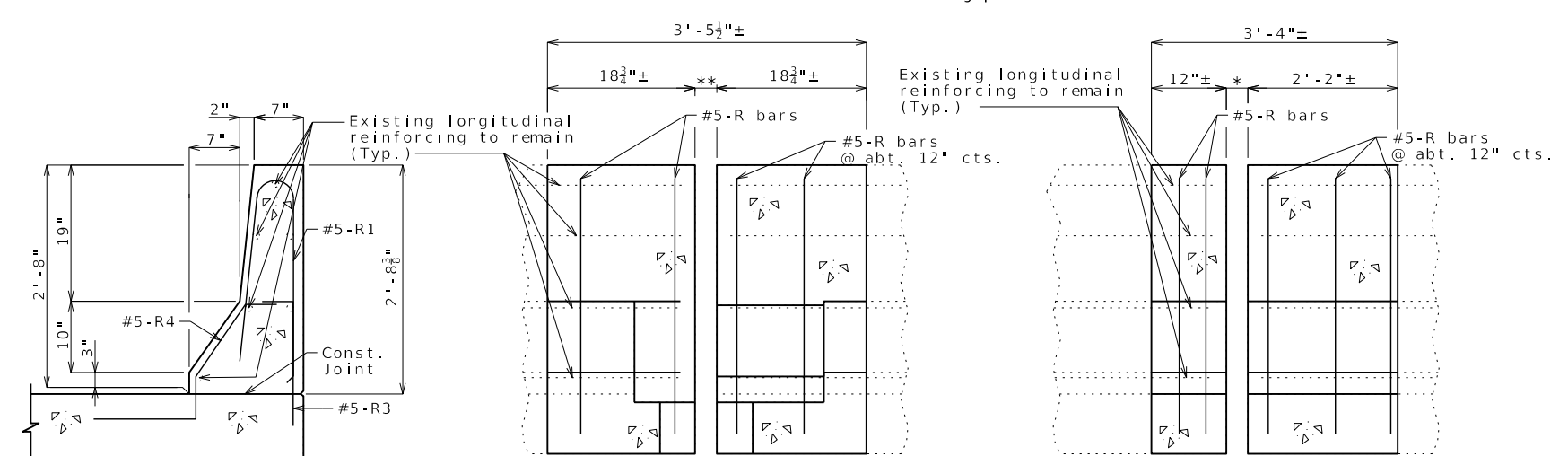
PART SECTION



ELEVATION AT BENTS NO. 5 & 11 CONCRETE BARRIER REMOVAL
(Slab reinforcement not shown for clarity)

ELEVATION AT END BENT NO. 17 CONCRETE BARRIER REMOVAL
(Slab reinforcement not shown for clarity)

* See expansion joint sheet
** 4" gap at 60°F



PART SECTION

ELEVATION AT BENTS NO. 5 & 11 BARRIER RECONSTRUCT
(Slab reinforcement not shown for clarity)

ELEVATION AT END BENT NO. 17 BARRIER RECONSTRUCT
(Slab reinforcement not shown for clarity)

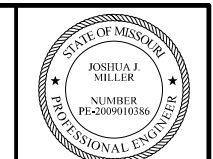
SAFETY BARRIER CURB DETAILS
Note: See Sheets No. 3, 4, & 5 for details of barrier and joint replacement not shown.

Note: Removal and replacement of Slab and Barrier Curb as shown on this sheet, including all materials, labor, and incidental work is considered completely covered by the contract unit price for Removal of Existing Expansion Joint & Adjacent Concrete per linear foot.

Detailed Nov. 2025
Checked Nov. 2025

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

Sheet No. 2 of 6



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
4/2/2026

ROUTE 150 STATE MO

DISTRICT BR SHEET NO. 2

COUNTY JACKSON

JOB NO. JKU0140

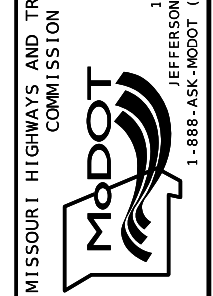
CONTRACT ID.

PROJECT NO.

BRIDGE NO. A54951

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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9801 Renner Blvd, Ste. 300
Lenexa, KS 66219
913.492.0400
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000559

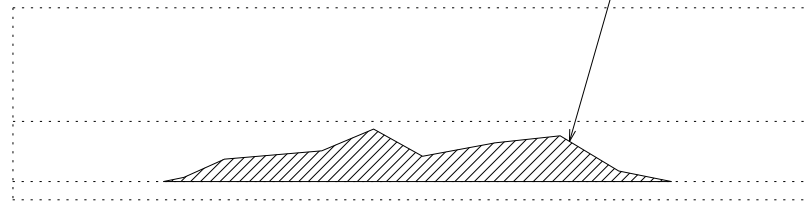
JOSHUA J. MILLER
PROFESSIONAL ENGINEER
PE-2009010386

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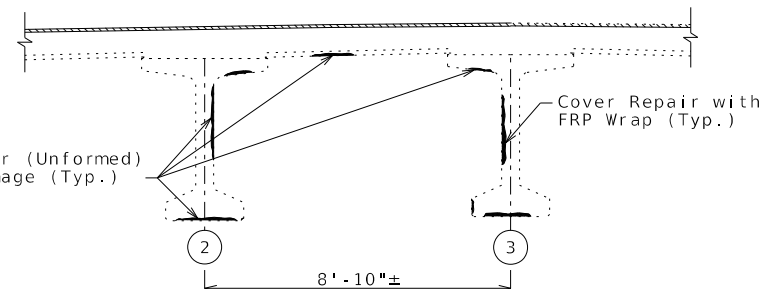
Apply Penetrating Concrete Sealer to Barrier



Bridge Barrier Repair



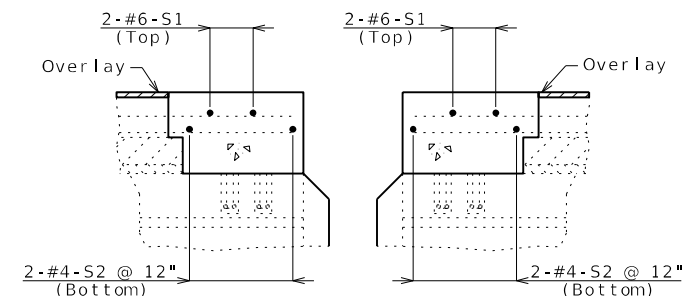
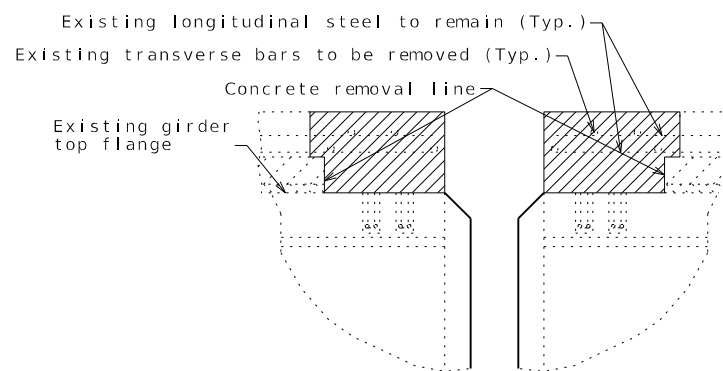
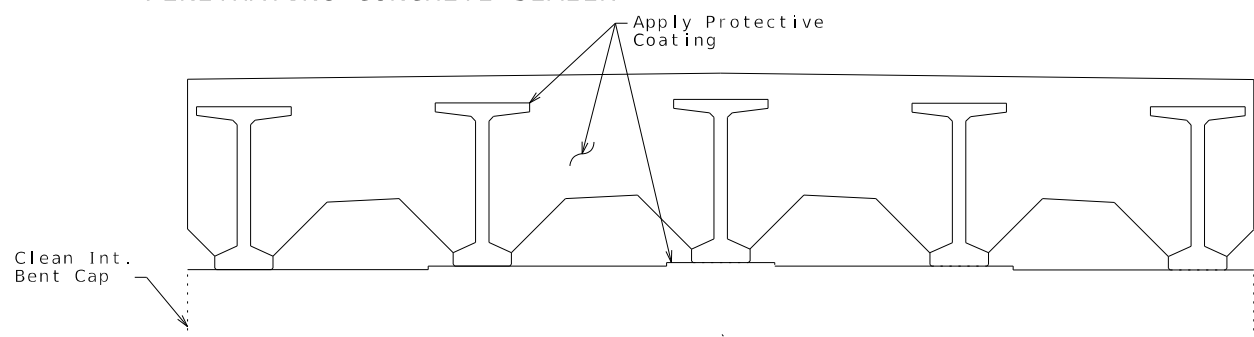
Superstructure Repair (Unformed) in areas of Fire Damage (Typ.)



TYPICAL SECTION THRU BARRIER SHOWING PENETRATING CONCRETE SEALER

LEFT BARRIER REPAIR DETAIL Near Int. Bent No. 12 & 14

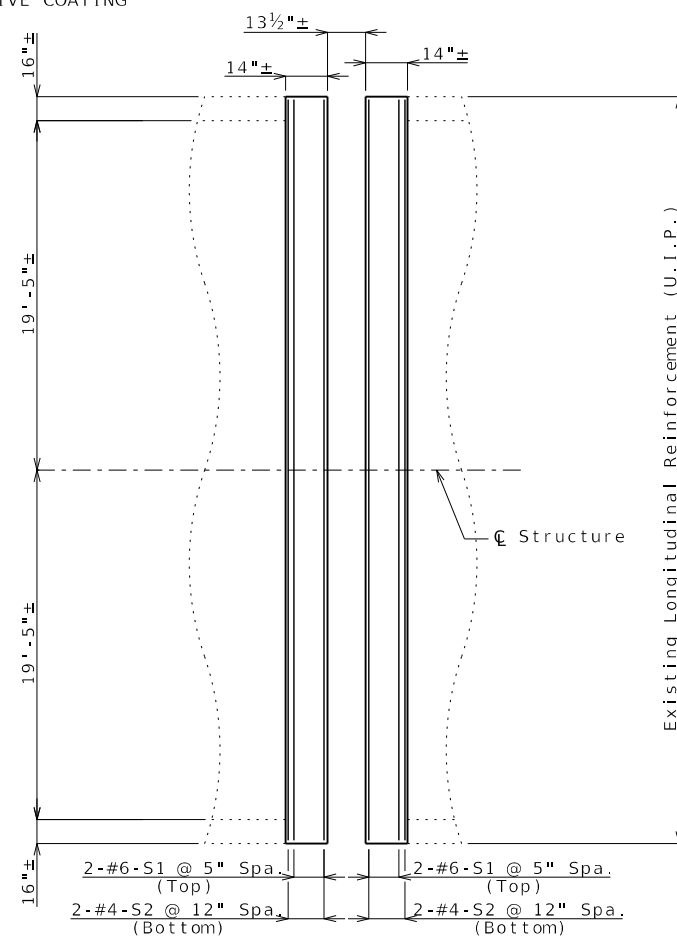
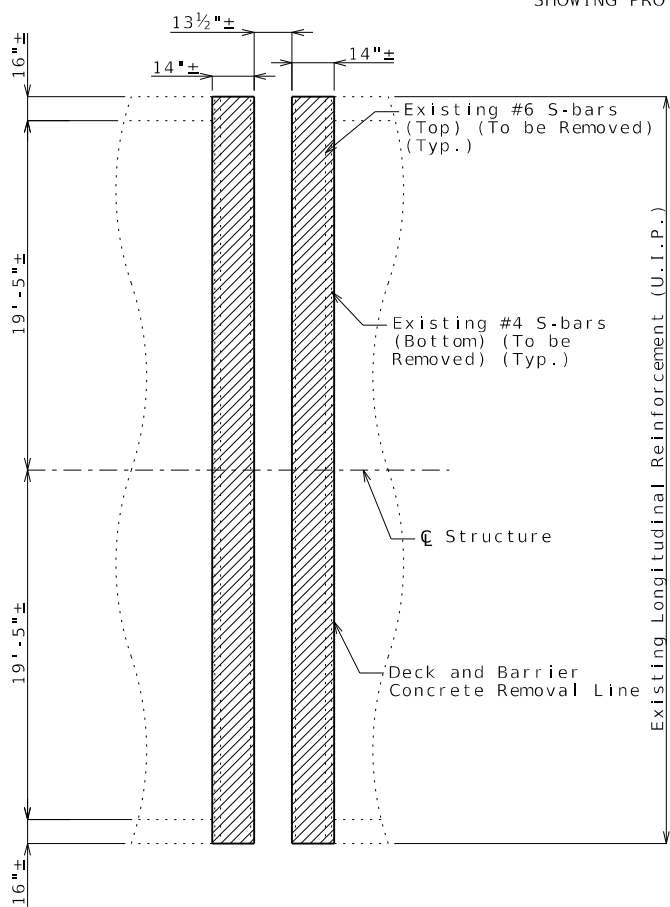
GIRDERS 2 & 3 NEAR END BENT NO. 17 SHOWING SUPERSTRUCTURE REPAIR (UNFORMED)



INTERMEDIATE BENTS NO. 5 & 11 SHOWING PROTECTIVE COATING

DETAILS OF CONCRETE REMOVAL AT INT. BENTS NO. 5 AND 11

PART SECTION SHOWING REINFORCING STEEL AT INT. BENTS NO. 5 AND 11

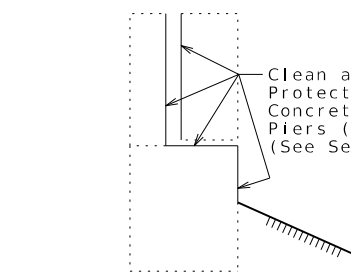


PART PLAN OF SLAB AT INT. BENTS NO. 5 AND 11 SHOWING LIMITS OF CONCRETE REMOVAL

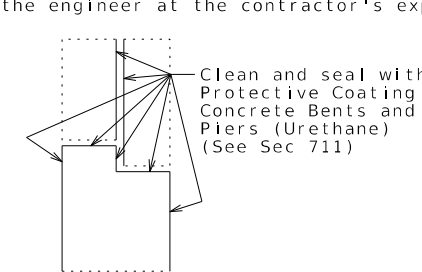
PART PLAN OF SLAB AT INT. BENTS NO. 5 AND 11 SHOWING NEW CONCRETE AND REINFORCEMENT (Barrier reinforcing not shown for clarity)

The cost of concrete removal as shown will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint & Adjacent Concrete. Vertical Diaphragm and reinforcement shall remain in place and embedded in new concrete.

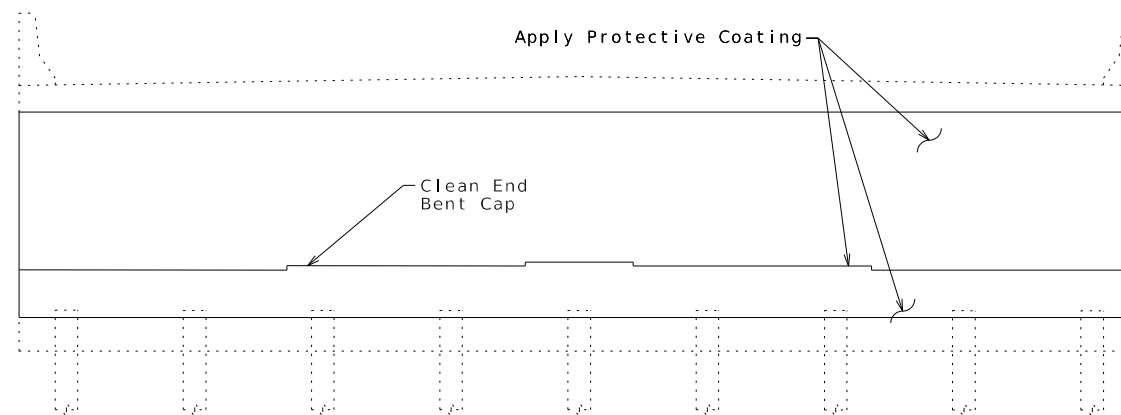
(Expansion Joint details not shown for clarity) Contractor shall exercise care not to damage precast deck panel when removing joint. Any damage sustained to the precast panels as a result of the contractor's operations shall be repaired or the material replaced as approved by the engineer at the contractor's expense.



TYPICAL SECTION THRU END BENT 17 SHOWING PROTECTIVE COATING



TYPICAL SECTION THRU INT. BENTS 5 & 11 SHOWING PROTECTIVE COATING



END BENT NO. 17 SHOWING PROTECTIVE COATING

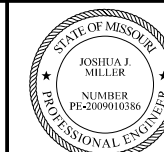
REPAIR DETAILS

Detailed Nov. 2025
Checked Nov. 2025

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

Sheet No. 3 of 6

c:\bms\gba-pw-01\chris_lipford\dms23264\B_A54951_003_JKU0140_MiscSheet.dgn 10:35:54 AM 4/2/2026



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DATE PREPARED 4/2/2026

ROUTE 150 STATE MO

DISTRICT BR SHEET NO. 3

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A54951

Table with columns for DESCRIPTION and DATE.

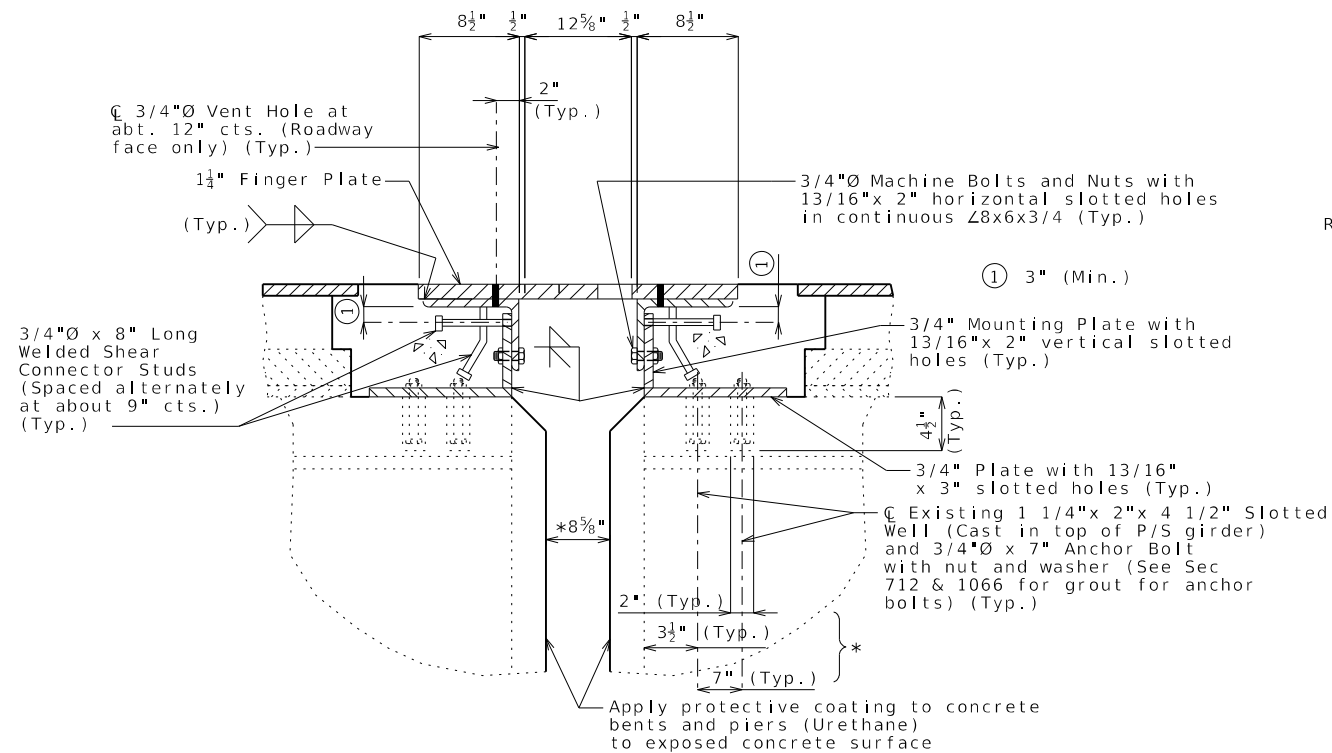


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GEORGE BUTLER ASSOCIATES, INC. PRO. ENGINEER 000133 ARCHITECT 000212 PRO. LAND SURVEYOR 000059

JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386

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



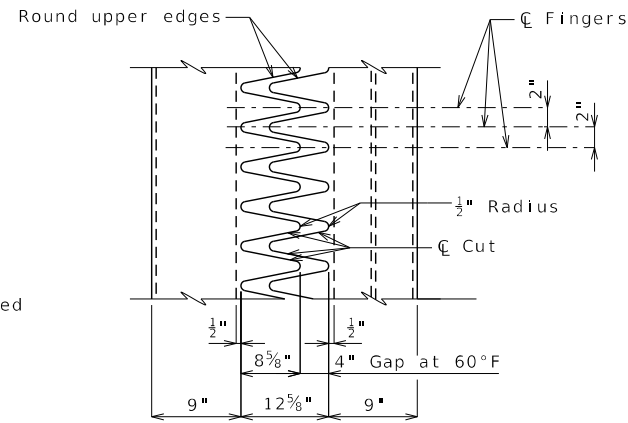
SECTION THRU DEVICE

Slab reinforcement not shown for clarity.

* Dimensions along \bar{C} Girder

Note: Concrete shall be forced under and around finger plate supporting hardware, anchors, angles and bars. Proper consolidation shall be achieved by localized internal vibration.

See Sheet No. 3 for removal limits of existing concrete.



PART PLAN OF FINGER PLATE

GENERAL NOTES:

Finger plate shall be cut with a machine guided gas torch from one plate. The plate from which fingers are cut may be spliced before fingers are cut. The surface of cut shall be perpendicular to the surface of the plate. The cut shall not exceed 1/8" in width. The centerline of cut shall not deviate more than 1/16" from the position of centerline of cut shown. No splicing of finger plate or finger plate assembly will be allowed after fingers are cut. The expansion device shall be fabricated and installed to the crown and grade of the roadway.

Plan dimensions are based on installation at 60°F. The expansion gap and other dimensions shall be increased or decreased 1/4" for each 10° fall or rise in temperature at installation.

Material for the expansion device shall be ASTM A709 Grade 36 structural steel. Anchors for the expansion device shall be in accordance with Sec 1037.

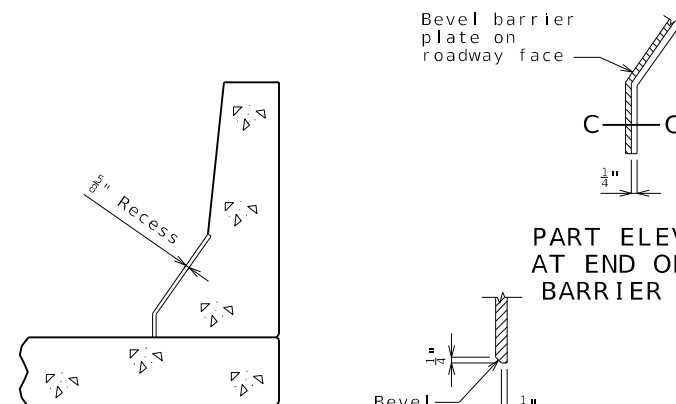
Structural steel for the expansion device and barrier plate shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Payment for furnishing, coating or galvanizing and installing the structural steel for the expansion device will be considered completely covered by the contract unit price for Expansion Device (Finger Plate) per linear foot.

Payment for removing and replacing barrier curb will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb per linear foot.

Longitudinal reinforcing steel ends shall not be more than ± 1 " from the 3/4" vertical mounting plate at the expansion device.

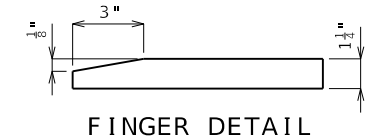
Complete joint penetration welds utilized in the fabrication of the expansion device shall be nondestructively tested by an approved method.



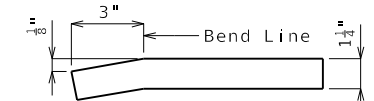
SECTION B-B

SECTION C-C

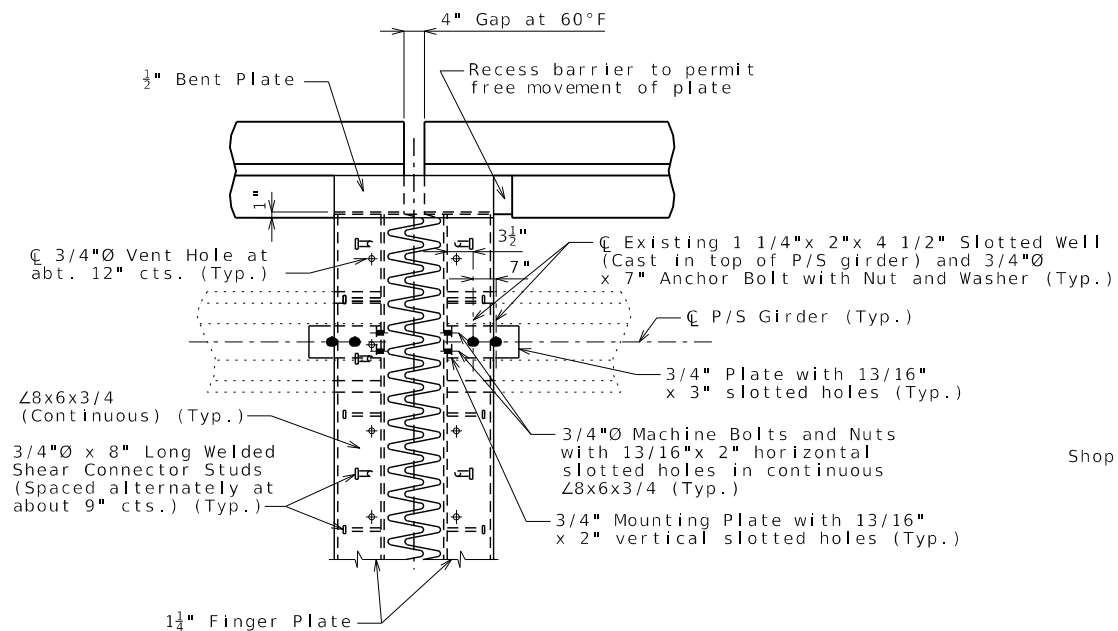
PART ELEVATION AT END OF BENT BARRIER PLATE



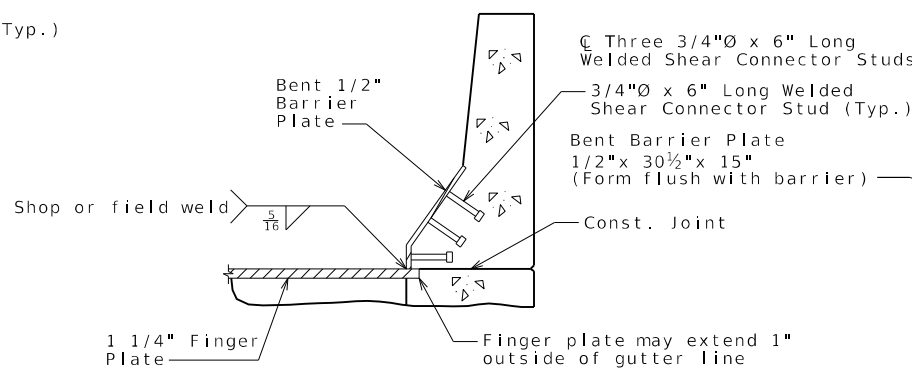
FINGER DETAIL



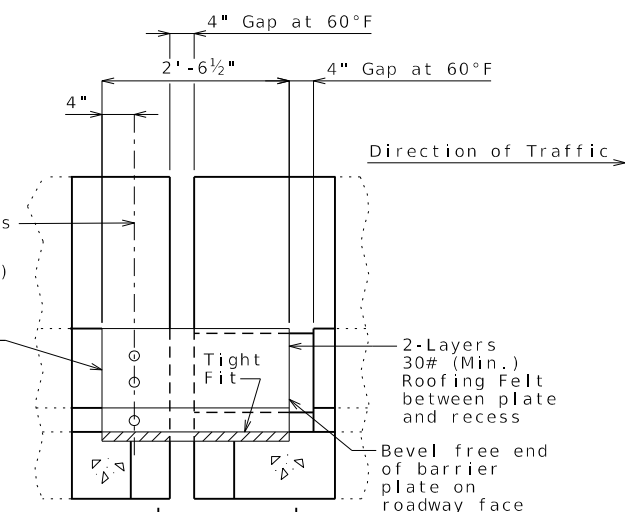
OPTIONAL FINGER DETAIL



PART PLAN OF DEVICE



SECTION A-A



ELEVATION OF BARRIER



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DATE PREPARED
3/26/2026

ROUTE 150 STATE MO
DISTRICT BR SHEET NO. 4

COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.

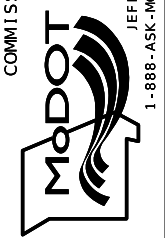
PROJECT NO.
BRIDGE NO. A54951

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



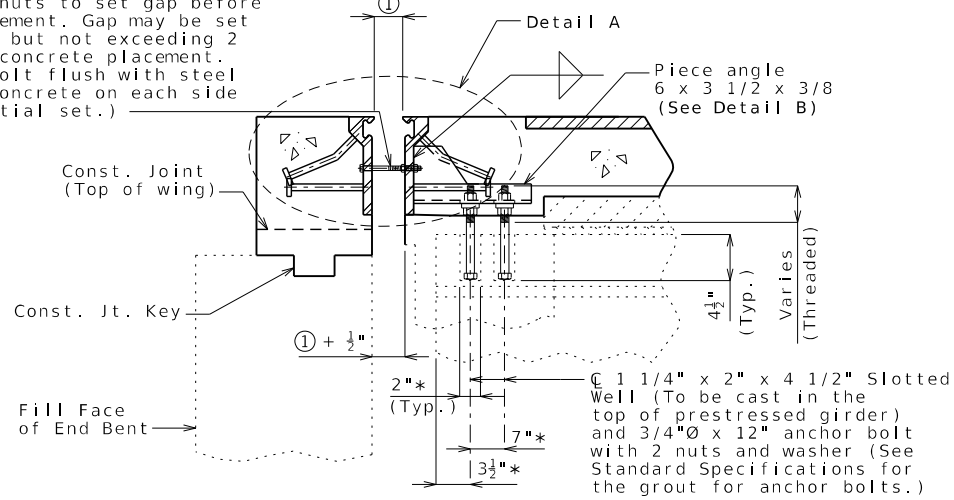
GBA
9801 Renner Blvd, Ste. 300
Lenexa, KS 66219
913.492.0400
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JOSHUA J. MILLER
PROFESSIONAL
ENGINEER
PE-2009010386

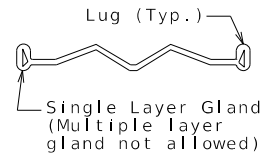
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

1/2"Ø Machine Bolt at abt. 18" cts.
 (Use two hex nuts to set gap before concrete placement. Gap may be set anytime up to but not exceeding 2 hours before concrete placement. Cut machine bolt flush with steel armor after concrete on each side has taken initial set.)

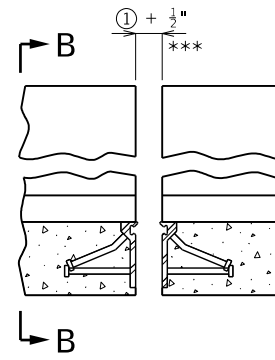


SECTION A-A

Strip seal gland not shown for clarity.
 * Dimension along C Girder
 Slab reinforcement not shown for clarity.

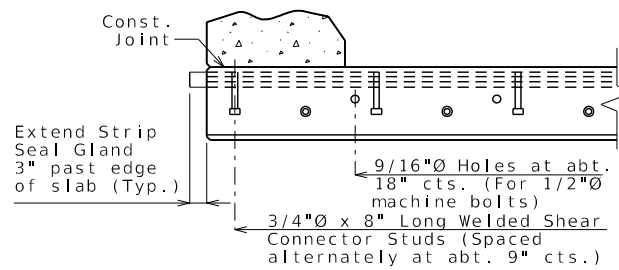


DETAIL OF GLAND

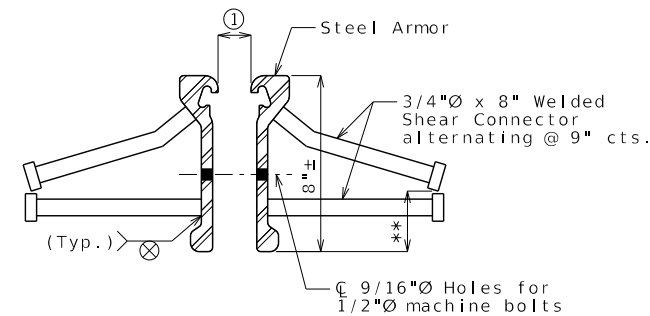


PART ELEVATION OF BARRIER

Strip seal gland not shown for clarity.

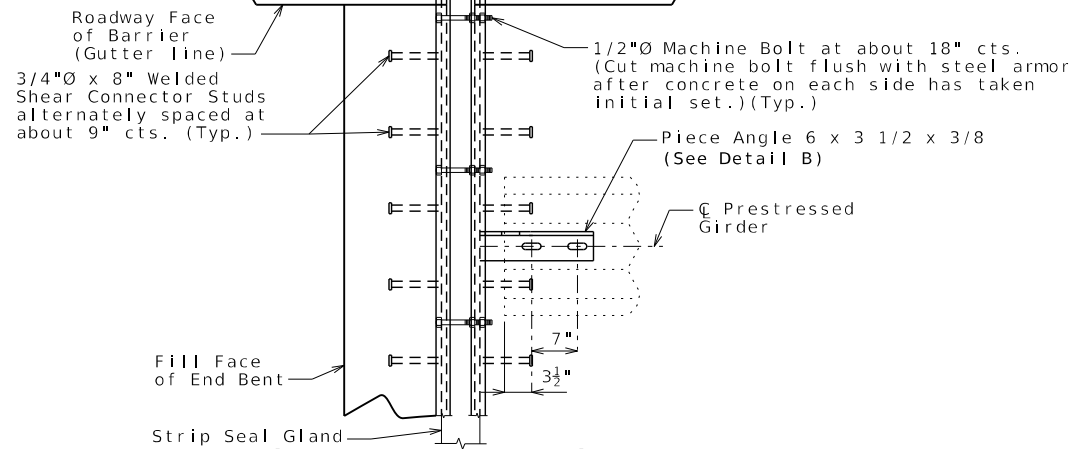


PART SECTION B-B



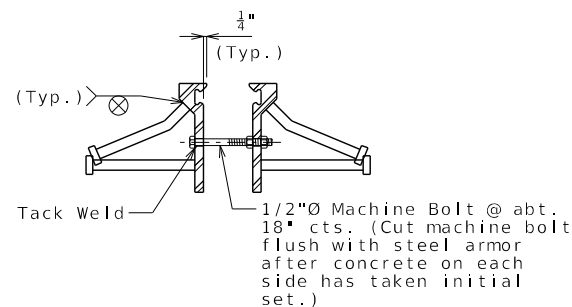
DETAIL OF JOINT ARMOR

** Bend stud in shop to maintain 1" min. from bottom of steel armor.

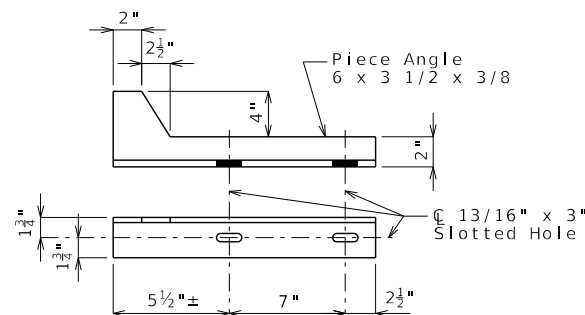


PART PLAN

Slab reinforcement not shown for clarity.



DETAIL A



DETAIL B

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.

Longitudinal reinforcing steel shall be placed so that ends shall be 1" from the vertical leg of the steel armor at the expansion joint system.

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.

④ The 4" dimension may be reduced if necessary to allow piece angle to be installed flush with the joint armor.

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

Payment for furnishing, coating or galvanizing and installing the structural steel for the expansion device will be considered completely covered by the contract unit price for Strip Seal Expansion Joint System per linear foot.

Payment for removing and replacing barrier curb will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb per linear foot.

Table of Allowed Transverse Strip Seal Expansion Joint System

Manufacturer	Strip Seal System (Designated Name)	Movement Parallel to RDWY	Allowed Installation Gap @ Air/Surface Temperature						③
			① Normal to Joint at RDWY Surface	②					
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	@ 80°F	@ 90°F	
D S Brown	Strip seal L2-400	3 3/8"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1 5/16"	□
D S Brown	Strip seal L2-500	3 3/8"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1 5/16"	□
Watson Bowman Acme (Wabo)	Strip seal SE-400	3 3/8"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1 5/16"	□
Watson Bowman Acme (Wabo)	Strip seal SE-500	3 3/8"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1 5/16"	□

STRIP SEAL EXPANSION JOINT SYSTEM AT END BENT NO. 17

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

Sheet No. 5 of 6

Detailed Nov. 2025
 Checked Nov. 2025



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DATE PREPARED
 3/26/2026

ROUTE 150 STATE MO

DISTRICT BR SHEET NO. 5

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A54951

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



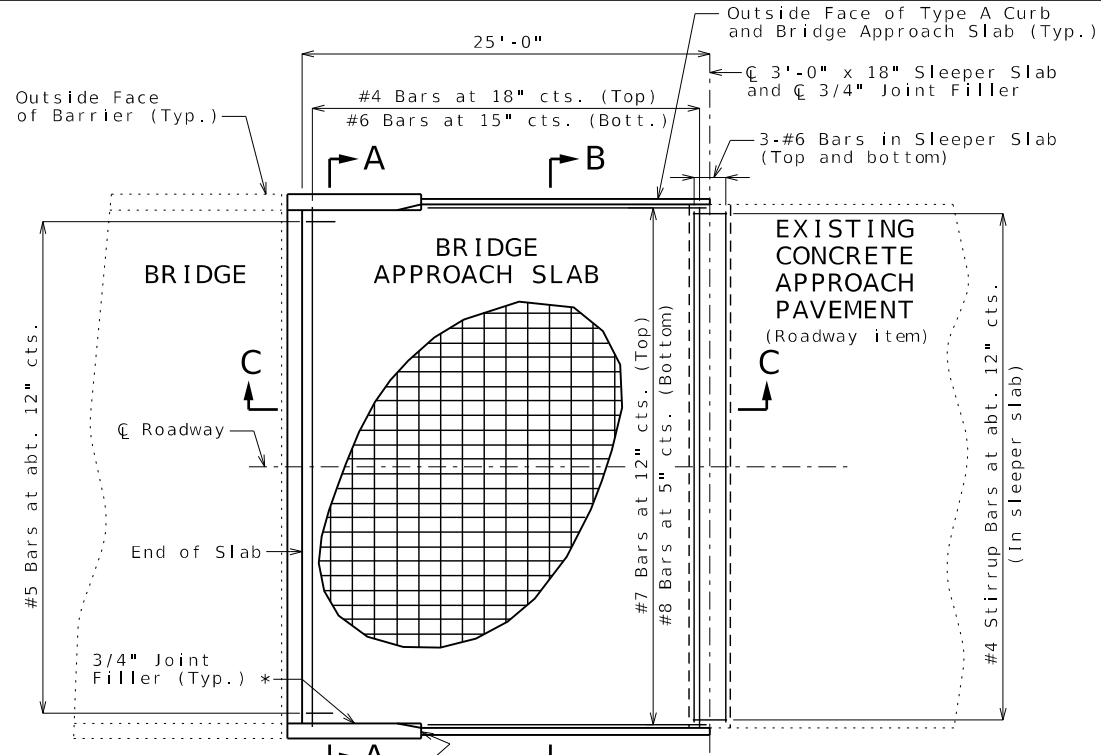
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



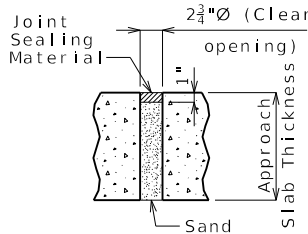
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 GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
 PRO. ENGINEER 000133
 ARCHITECT 000212
 PRO. LAND SURVEYOR 000059

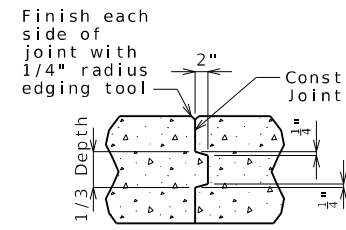
JOSHUA J. MILLER
 PROFESSIONAL ENGINEER
 PE-2009010386



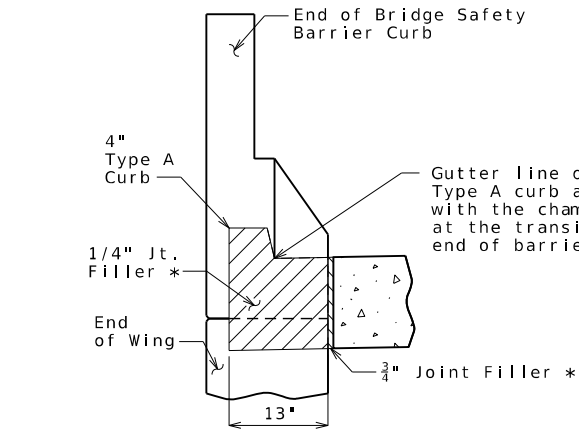
PART PLAN SHOWING REINFORCEMENT
(End Bent No. 17 shown, End Bent No. 1 similar)



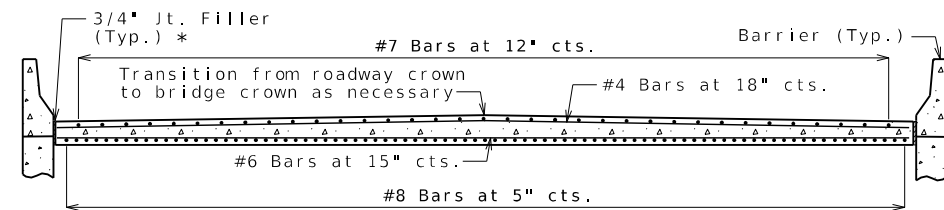
UNDERSEAL ACCESS HOLE DETAIL
(If required)



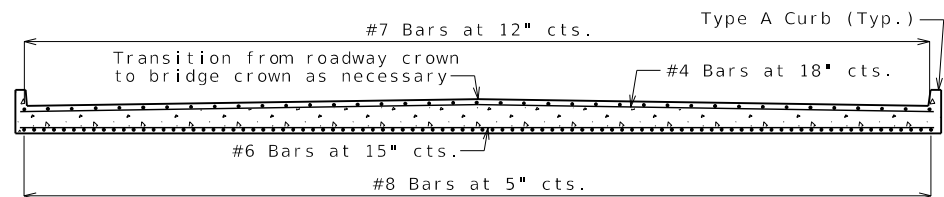
CONSTRUCTION JOINT DETAIL



SECTION BETWEEN BARRIER AND CURB

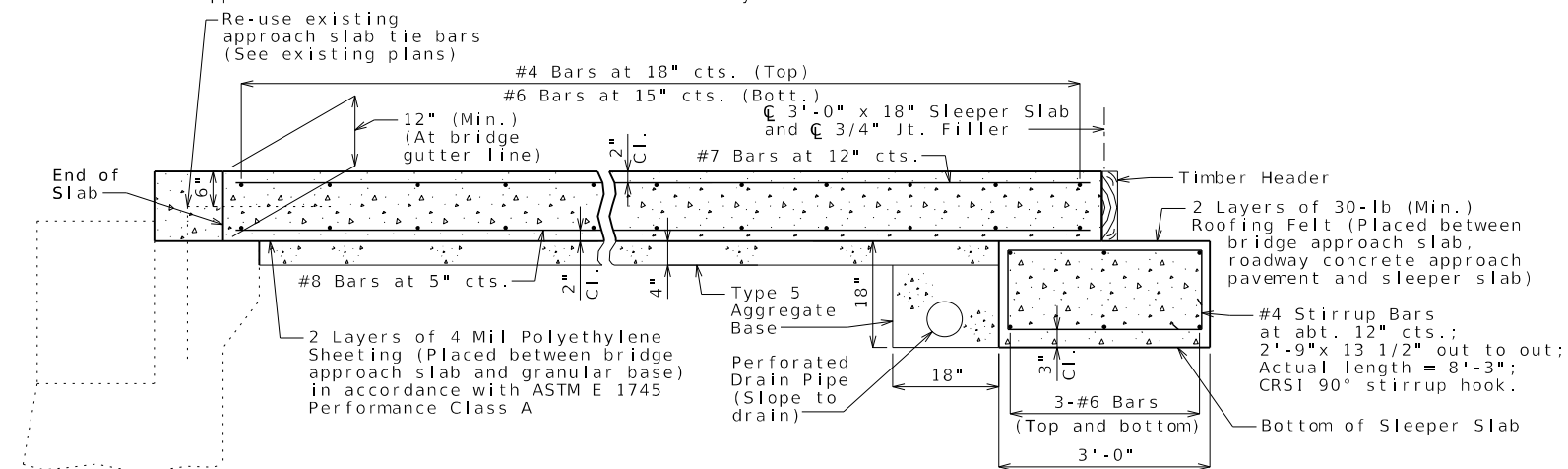


SECTION A-A



SECTION B-B

With the approval of the engineer, the contractor may crown the bottom of the approach slab to match the crown of the roadway surface.



SECTION C-C

(End Bent No. 17 shown, End Bent No. 1 similar)

BRIDGE APPROACH SLAB (MAJOR)

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 27 inches for #4 bars and 40 inches for #6 bars, or by mechanical bar splice.

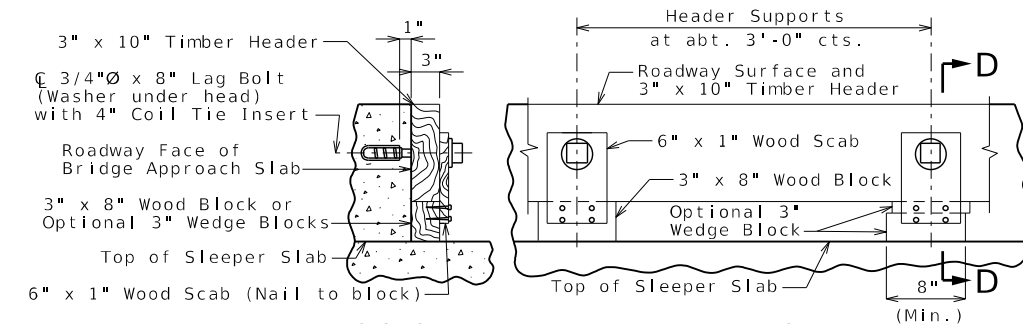
All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the timber header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Major) per square yard.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.



SECTION D-D

PART ELEVATION

DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
3/26/2026

ROUTE **150** STATE **MO**

DISTRICT **BR** SHEET NO. **6**

COUNTY
JACKSON

JOB NO.
JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A54951

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA

9801 Renner Blvd, Ste. 300
Lenexa, KS 66219
913.492.0400
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JOSHUA J. MILLER
PROFESSIONAL ENGINEER
PE-2009010386

**U.I.P. & REHABILITATE EXISTING (65'- 90'- 84'- 84') PRESTRESSED CONCRETE I-GIRDERS
(6 @ 110')(5 @ 110' - 78') PRESTRESSED CONCRETE BULB-TEE GIRDER SPANS**

SEC/SUR 29/30 TWP 47 RGE 33



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
3/26/2026

ROUTE 150 STATE MO

DISTRICT BR SHEET NO. 1

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A54961

DESCRIPTION

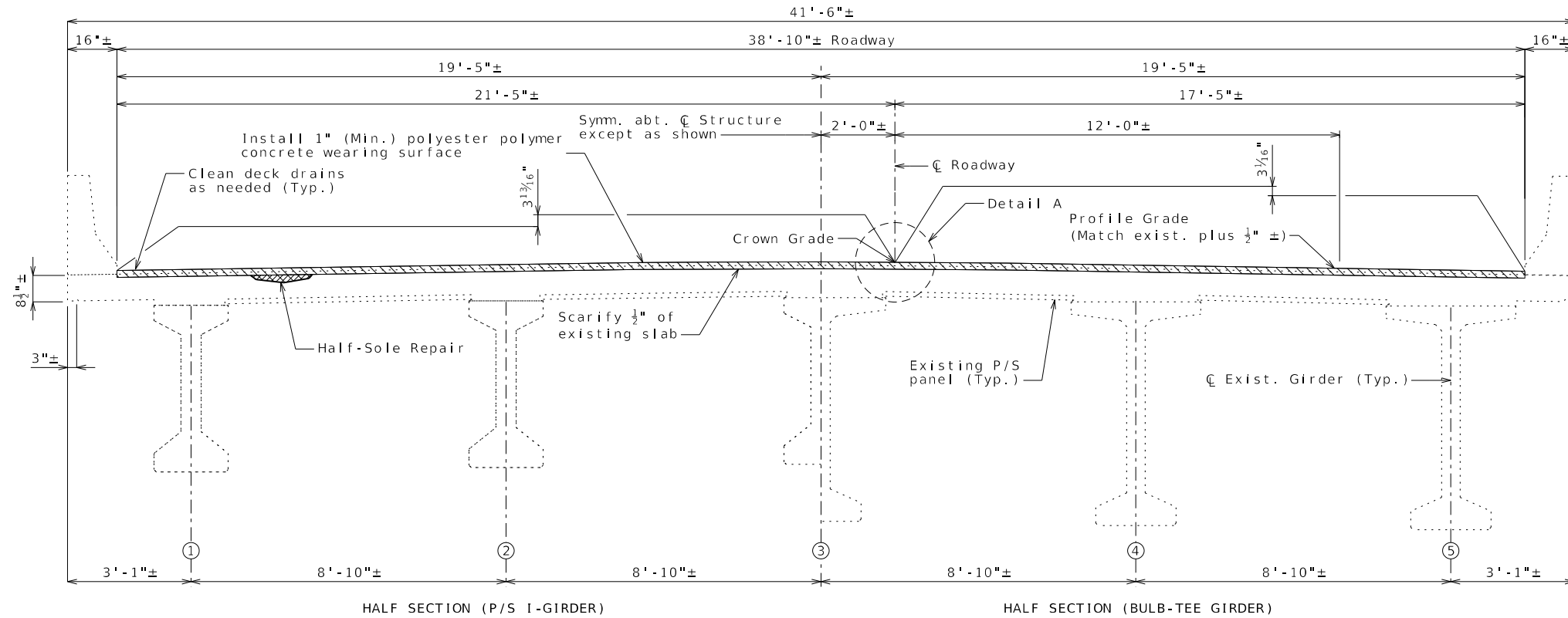
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



GEORGE BUTLER ASSOCIATES, INC.
PROF. ENGINEER 000133
ARCHITECT 000212
PROF. LAND SURVEYOR 000059

JOSHUA J. MILLER
PROFESSIONAL ENGINEER
PE-2009010386



TYPICAL SECTION THRU EXISTING

General Notes:

Design Specifications:
AASHTO-1996
Load Factor Design
Seismic Performance Category A

Design Loading:
HS20 Modified (1996)
35 lb/sf Future Wearing Surface
Earth - 120 lb/cf, Equivalent Fluid Pressure Bent No. 1 = 61.9 lb/cf,
Bent No. 17 = 45 lb/cf.

Design Unit Stresses:
Class B-1 Concrete (Barrier) $f'c = 4,000$ psi
Class B-2 Concrete (End Bents & Superstructure, except Barrier) $f'c = 4,000$ psi
Reinforcing Steel (ASTM A615 Grade 60) $fy = 60,000$ psi

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

Miscellaneous:
Protective coating for concrete bents and piers (Urethane) shall be applied as shown on the bridge plans and in accordance with Sec 711.

Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface. (Roadway item)

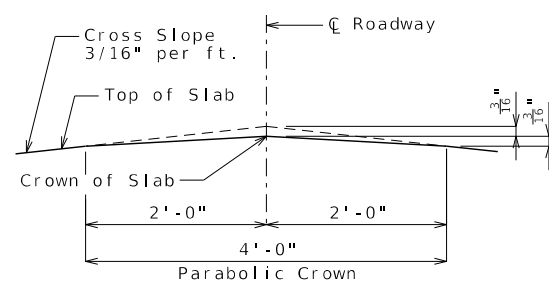
Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before finalizing the shop drawings.

Bents are numbered 1-17, north to south.

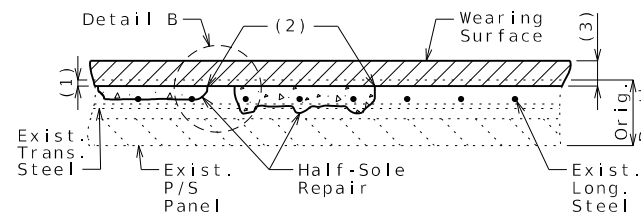
Traffic Handling:

Structure to be closed during construction. Traffic to be maintained on A5495 during construction. See roadway plans for traffic control.

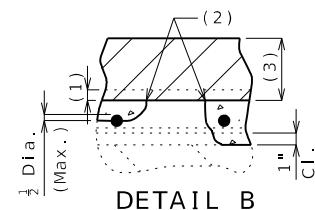


DETAIL A

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



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.

- (1) 1/2" scarification of existing deck
- (2) 1" vertical side shall be established outside the deteriorated area.
- (3) 1" minimum polyester polymer concrete wearing surface
- (4) Remove all deteriorated concrete at transverse joint between prestressed panels and coat with epoxy.

Estimated Quantities

Item	Unit	Total
Scarification of Bridge Deck	sq. yard	6960
Removal of Existing Expansion Joint & Adjacent Concrete	linear foot	117
Bridge Approach Slab (Major)	sq. yard	220
Polyester Polymer Concrete Wearing Surface	sq. yard	6960
Remove and Replace Barrier Curb	linear foot	24
Flowable Backfill	cu. yard	10
Penetrating Concrete Sealer	sq. yard	1258
Class B-2 Concrete	cu. yard	11.6
Substructure Repair (Unformed)	sq. foot	10
Half-Sole Repair	sq. foot	200
Reinforcing Steel (Epoxy Coated)	pound	1410
Protective Coating - Concrete Bents and Piers (Urethane)	lump sum	1
Expansion Device (Finger Plate)	linear foot	78
Surface Preparation for Applying Epoxy-Mastic Primer	lump sum	1
Aluminum Epoxy-Mastic Primer	lump sum	1
Strip Seal Expansion Joint System	linear foot	39

Cost for cleaning deck drains will be considered completely covered by the contract unit price for other items.

Cost of any required excavation for bridge will be considered completely covered by the contract unit price for other items.

Bill of Reinforcing Steel (Epoxy Coated)

Req'd	Size	Mark	Shape	Length	Weight (lb)
14	#6	S1	Straight	41'-3"	867
10	#4	S2	Straight	41'-3"	276
26	#5	R1	*	5'-2"	140
26	#5	R3	*	1'-11"	50
26	#5	R4	*	2'-10"	77

* See Sheet No. 2 for Bar Bending Diagrams

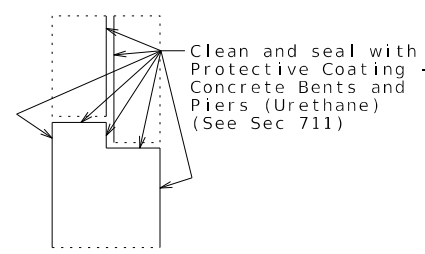
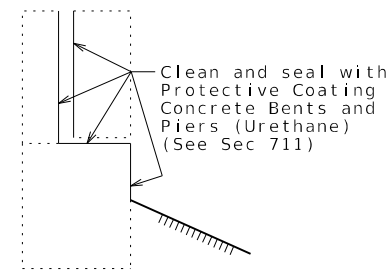
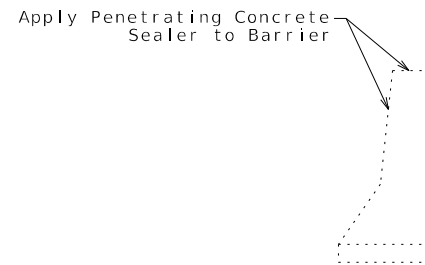
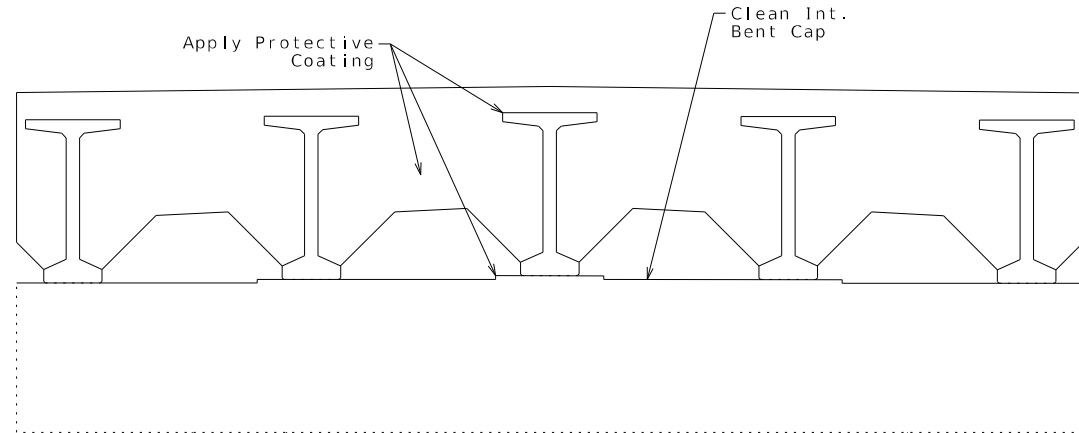
REPAIRS TO BRIDGE:

ROUTE MO-150 WB OVER BLUE RIVER, AND UNION PACIFIC RAILROAD

STATE ROAD FROM ROUTE 71 TO KANSAS STATE LINE
ABOUT 0.7 MILES SOUTHEAST OF KANSAS STATE LINE
BEGINNING STATION 52+15.83± (MATCH EXISTING)

Detailed Nov. 2025
Checked Nov. 2025

Sheet No. 1 of 7

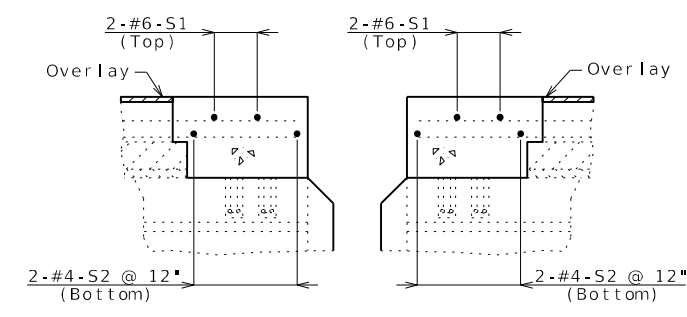
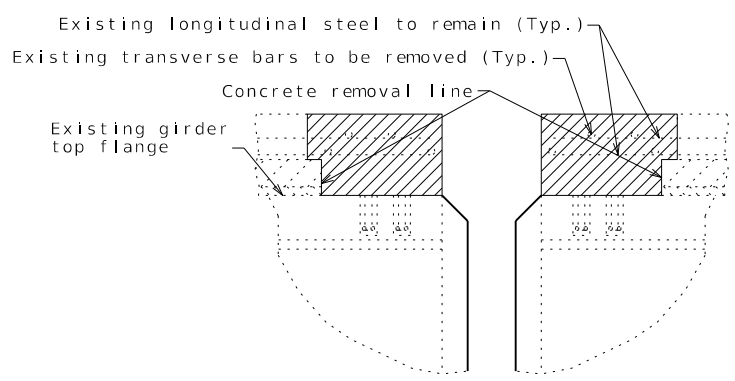


TYPICAL SECTION THRU BARRIER SHOWING PENETRATING CONCRETE SEALER

TYPICAL SECTION THRU END BENT 17 SHOWING PROTECTIVE COATING

TYPICAL SECTION THRU INT. BENTS 5 & 11 SHOWING PROTECTIVE COATING

INTERMEDIATE BENTS NO. 5 & 11 SHOWING PROTECTIVE COATING

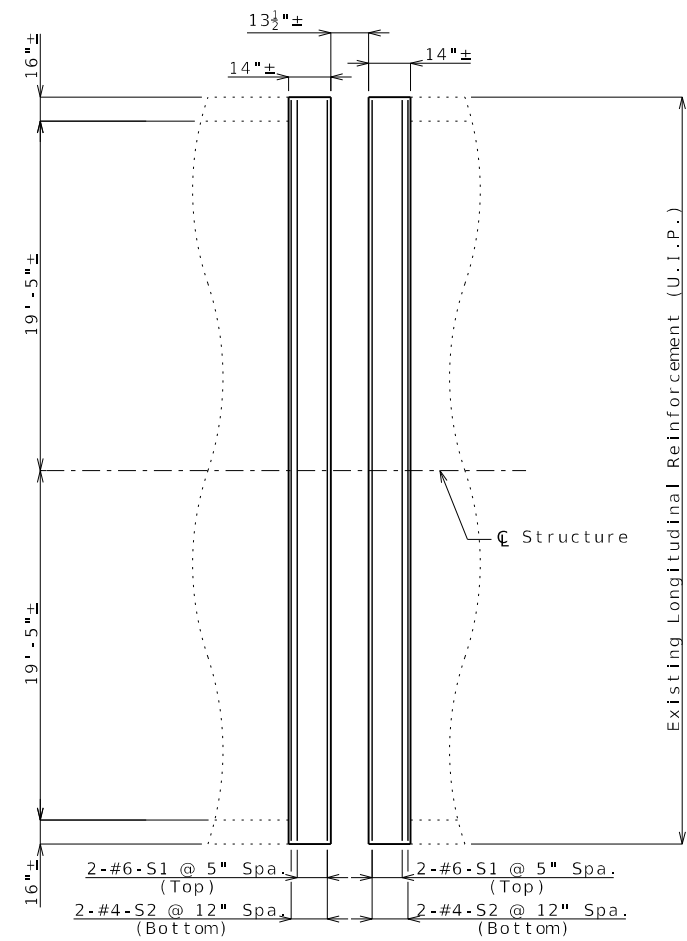
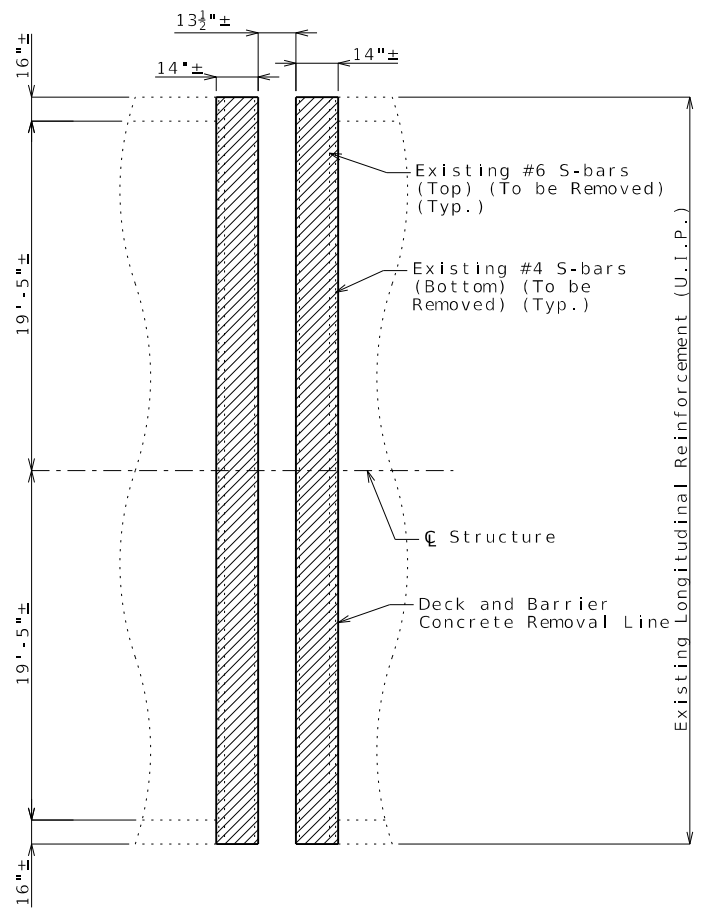


DETAILS OF CONCRETE REMOVAL AT INT. BENTS NO. 5 AND 11

PART SECTION SHOWING REINFORCING STEEL AT INT. BENTS NO. 5 AND 11

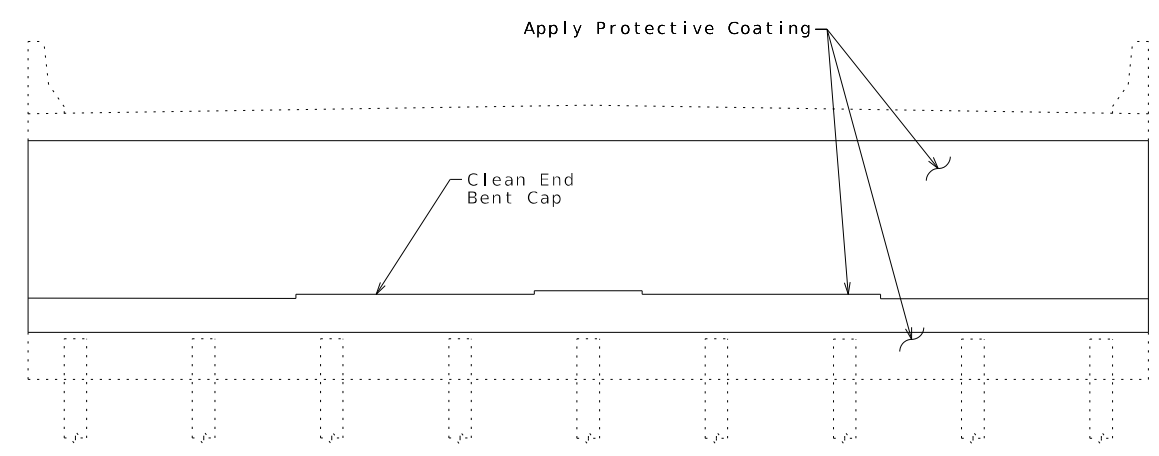
The cost of concrete removal as shown will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint & Adjacent Concrete. Vertical Diaphragm and reinforcement shall remain in place and embedded in new concrete.

(Expansion Joint details not shown for clarity)
Contractor shall exercise care not to damage precast deck panel when removing joint. Any damage sustained to the precast panels as a result of the contractor's operations shall be repaired or the material replaced as approved by the engineer at the contractor's expense.



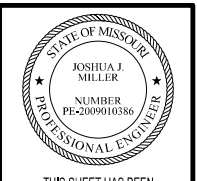
PART PLAN OF SLAB AT INT. BENTS NO. 5 AND 11 SHOWING LIMITS OF CONCRETE REMOVAL

PART PLAN OF SLAB AT INT. BENTS NO. 5 AND 11 SHOWING NEW CONCRETE AND REINFORCEMENT (Barrier reinforcing not shown for clarity)



END BENT NO. 17 SHOWING PROTECTIVE COATING

REPAIR DETAILS



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 4/2/2026

ROUTE 150 STATE MO

DISTRICT BR SHEET NO. 3

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A54961

DESCRIPTION	DATE

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

GBA
 9801 Renner Blvd. Ste. 300
 Lenora, KS 66219
 913.492.0400
 GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
 PRO. ENGINEER 000133
 ARCHITECT 000212
 PRO. LAND SURVEYOR 000059

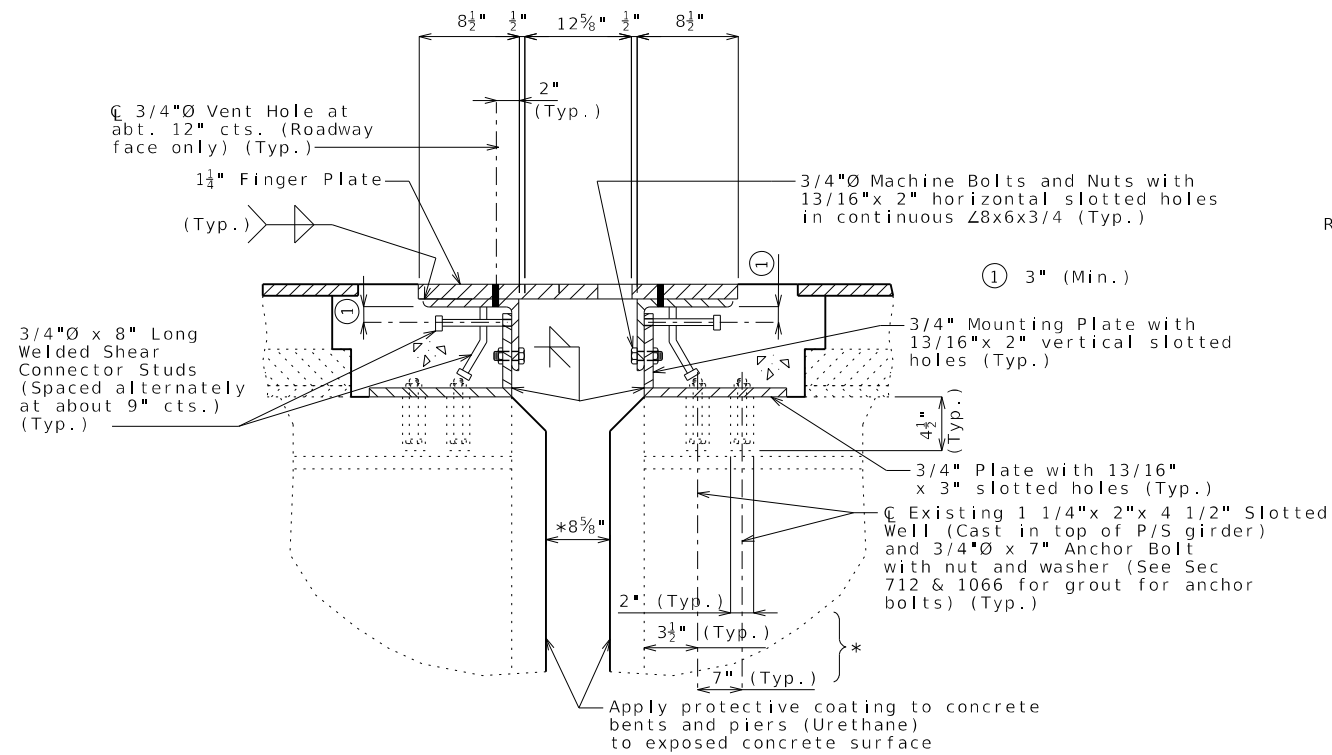
JOSHUA J. MILLER
 PROFESSIONAL ENGINEER
 PE-2009010386

Detailed Nov. 2025
 Checked Nov. 2025

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

Sheet No. 3 of 7

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



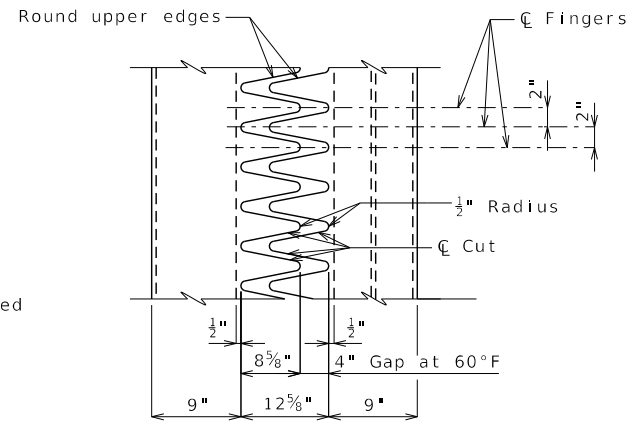
SECTION THRU DEVICE

Slab reinforcement not shown for clarity.

* Dimensions along \bar{C} Girder

Note: Concrete shall be forced under and around finger plate supporting hardware, anchors, angles and bars. Proper consolidation shall be achieved by localized internal vibration.

See Sheet No. 3 for removal limits of existing concrete.



PART PLAN OF FINGER PLATE

GENERAL NOTES:

Finger plate shall be cut with a machine guided gas torch from one plate. The plate from which fingers are cut may be spliced before fingers are cut. The surface of cut shall be perpendicular to the surface of the plate. The cut shall not exceed 1/8" in width. The centerline of cut shall not deviate more than 1/16" from the position of centerline of cut shown. No splicing of finger plate or finger plate assembly will be allowed after fingers are cut. The expansion device shall be fabricated and installed to the crown and grade of the roadway.

Plan dimensions are based on installation at 60°F. The expansion gap and other dimensions shall be increased or decreased 1/4" for each 10° fall or rise in temperature at installation.

Material for the expansion device shall be ASTM A709 Grade 36 structural steel. Anchors for the expansion device shall be in accordance with Sec 1037.

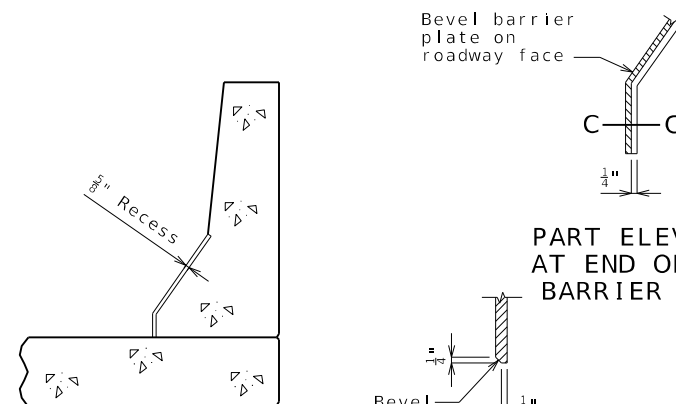
Structural steel for the expansion device and barrier plate shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Payment for furnishing, coating or galvanizing and installing the structural steel for the expansion device will be considered completely covered by the contract unit price for Expansion Device (Finger Plate) per linear foot.

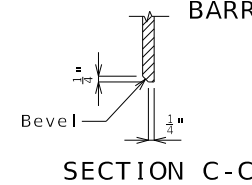
Payment for removing and replacing barrier curb will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb per linear foot.

Longitudinal reinforcing steel ends shall not be more than $\pm 1"$ from the 3/4" vertical mounting plate at the expansion device.

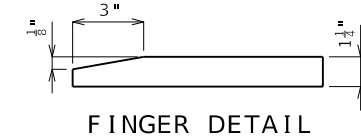
Complete joint penetration welds utilized in the fabrication of the expansion device shall be nondestructively tested by an approved method.



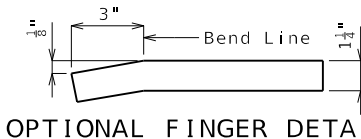
SECTION B-B



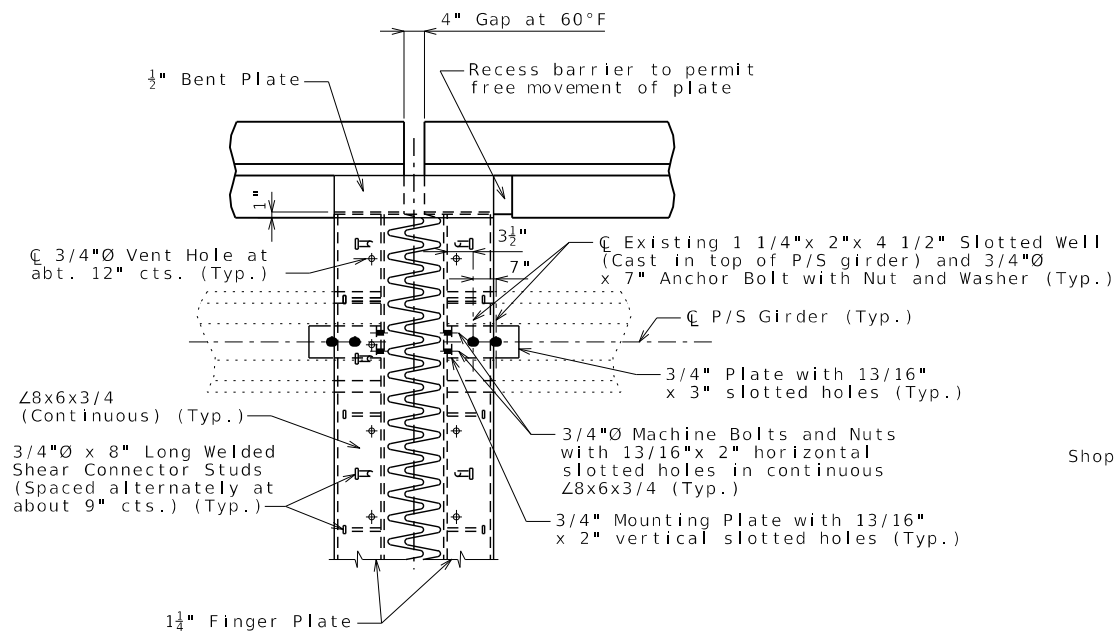
SECTION C-C



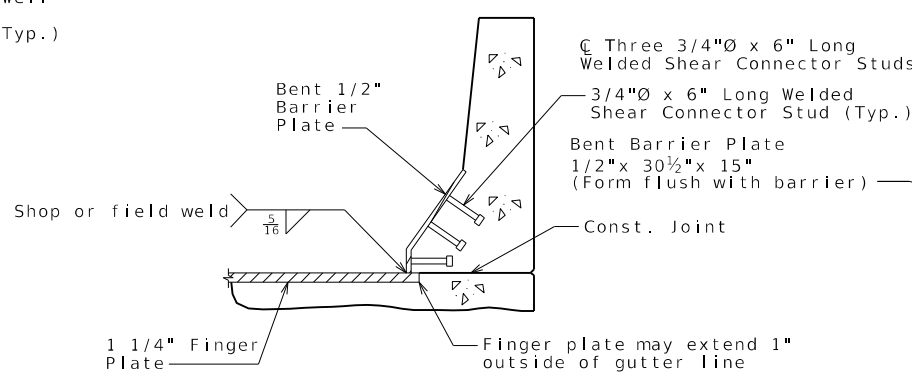
FINGER DETAIL



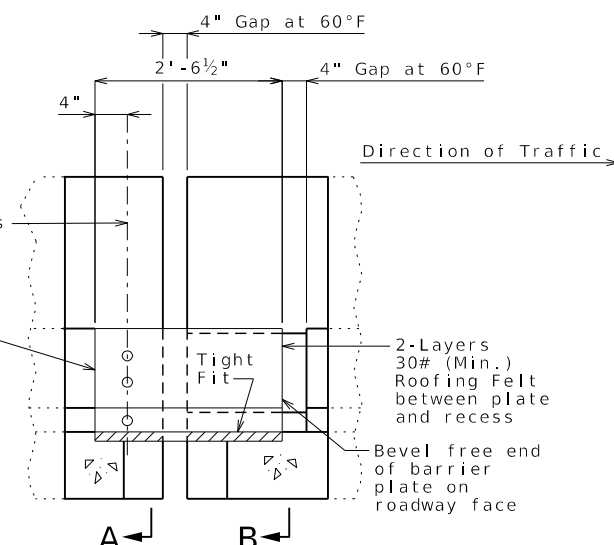
OPTIONAL FINGER DETAIL



PART PLAN OF DEVICE



SECTION A-A



ELEVATION OF BARRIER



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
3/26/2026

ROUTE 150 STATE MO
DISTRICT BR SHEET NO. 4

COUNTY JACKSON
JOB NO. JKU0140
CONTRACT ID.

PROJECT NO.
BRIDGE NO. A54961

DESCRIPTION	DATE

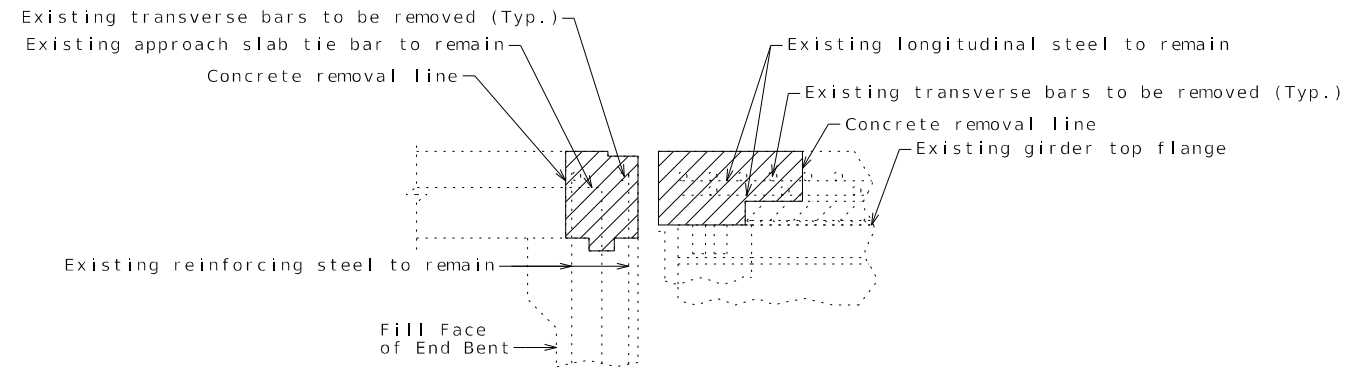
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



9801 Renner Blvd, Ste. 300
Lenexa, KS 66219
913.492.0400
GBAteam.com

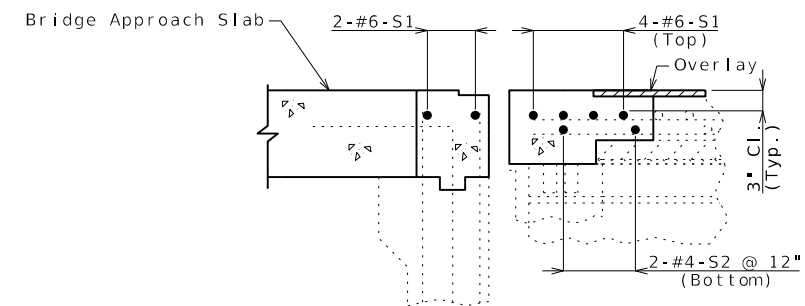
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

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



DETAILS OF CONCRETE REMOVAL AT END BENT NO. 17

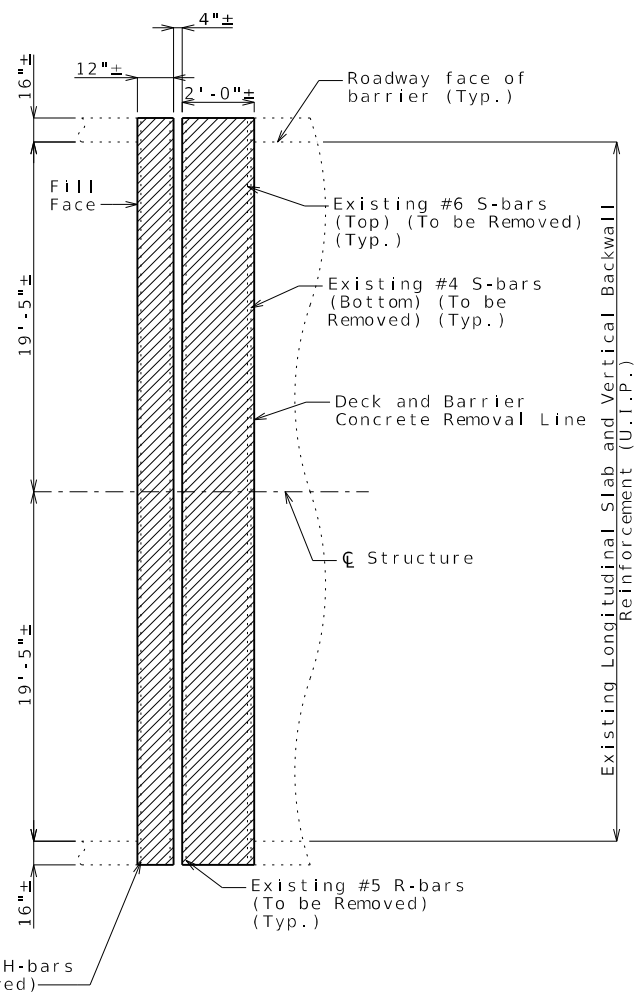
The cost of concrete removal as shown will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint & Adjacent Concrete. Vertical backwall and reinforcement shall remain in place and embedded in new concrete.



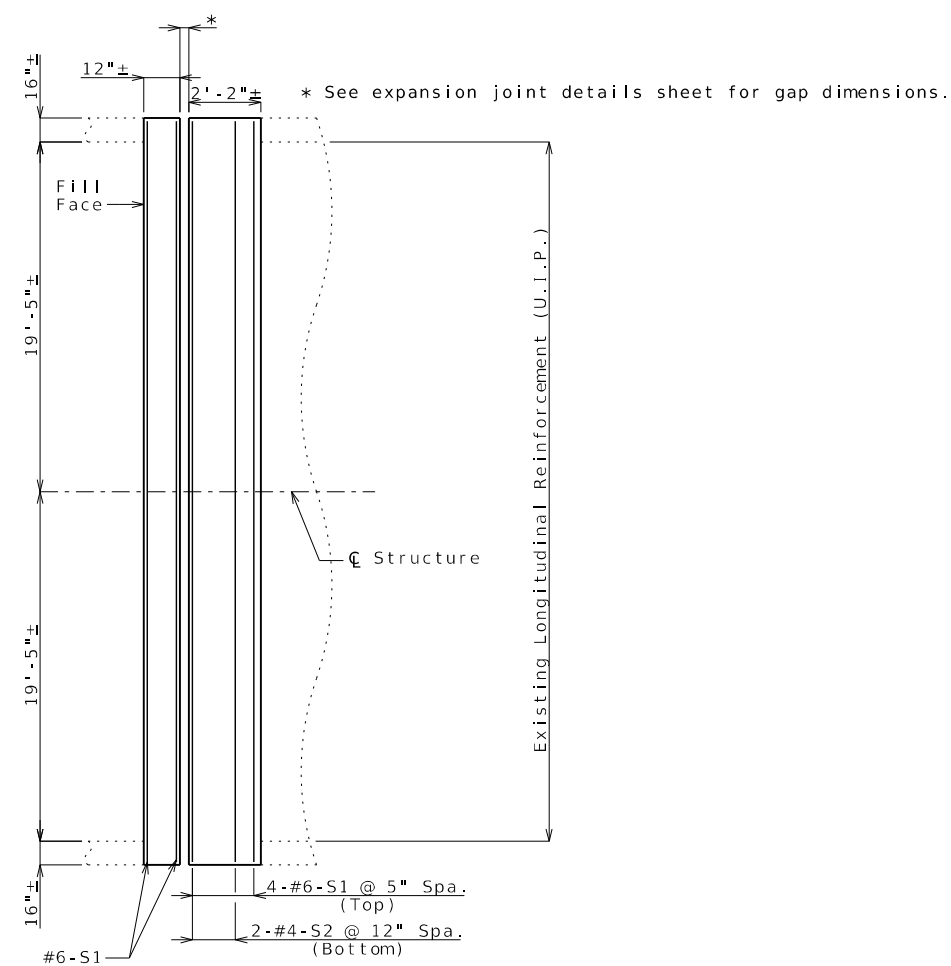
PART SECTION SHOWING REINFORCING STEEL AT END BENT NO. 17

(Expansion Joint details not shown for clarity)

Contractor shall exercise care not to damage precast deck panel when removing joint. Any damage sustained to the precast panels as a result of the contractor's operations shall be repaired or the material replaced as approved by the engineer at the contractor's expense.



PART PLAN OF SLAB AT END BENT NO. 17 SHOWING LIMITS OF CONCRETE REMOVAL



PART PLAN OF SLAB AT END BENT NO. 17 SHOWING NEW CONCRETE AND REINFORCEMENT (Barrier reinforcing not shown for clarity)



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
4/2/2026

ROUTE 150 STATE MO

DISTRICT BR SHEET NO. 5

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A54961

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

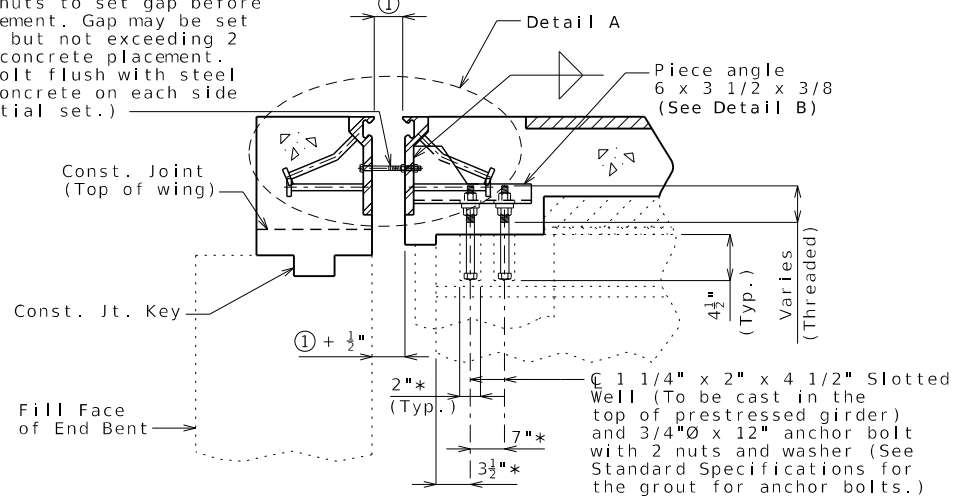


GEORGE BUTLER ASSOCIATES, INC. PRO. ENGINEER 000133 ARCHITECT 000212 PRO. LAND SURVEYOR 000059

JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386

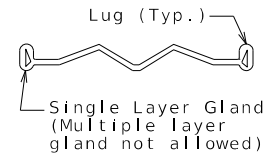
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

1/2"Ø Machine Bolt at abt. 18" cts.
 (Use two hex nuts to set gap before concrete placement. Gap may be set anytime up to but not exceeding 2 hours before concrete placement. Cut machine bolt flush with steel armor after concrete on each side has taken initial set.)

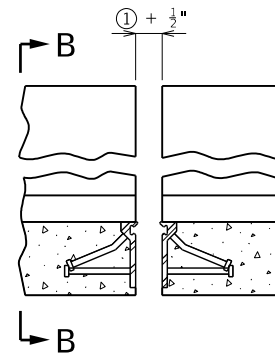


SECTION A-A

Strip seal gland not shown for clarity.
 * Dimension along C Girder
 Slab reinforcement not shown for clarity.

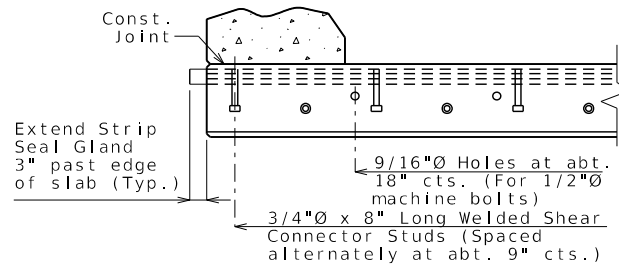


DETAIL OF GLAND

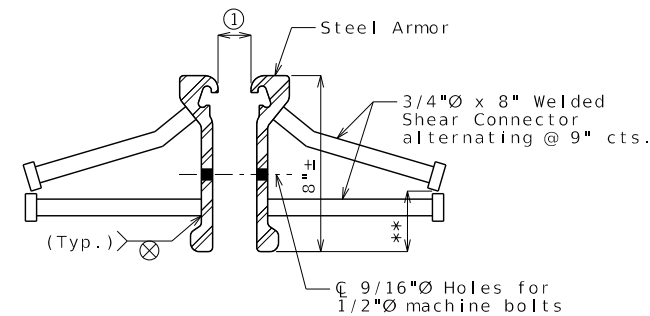


PART ELEVATION OF BARRIER

Strip seal gland not shown for clarity.

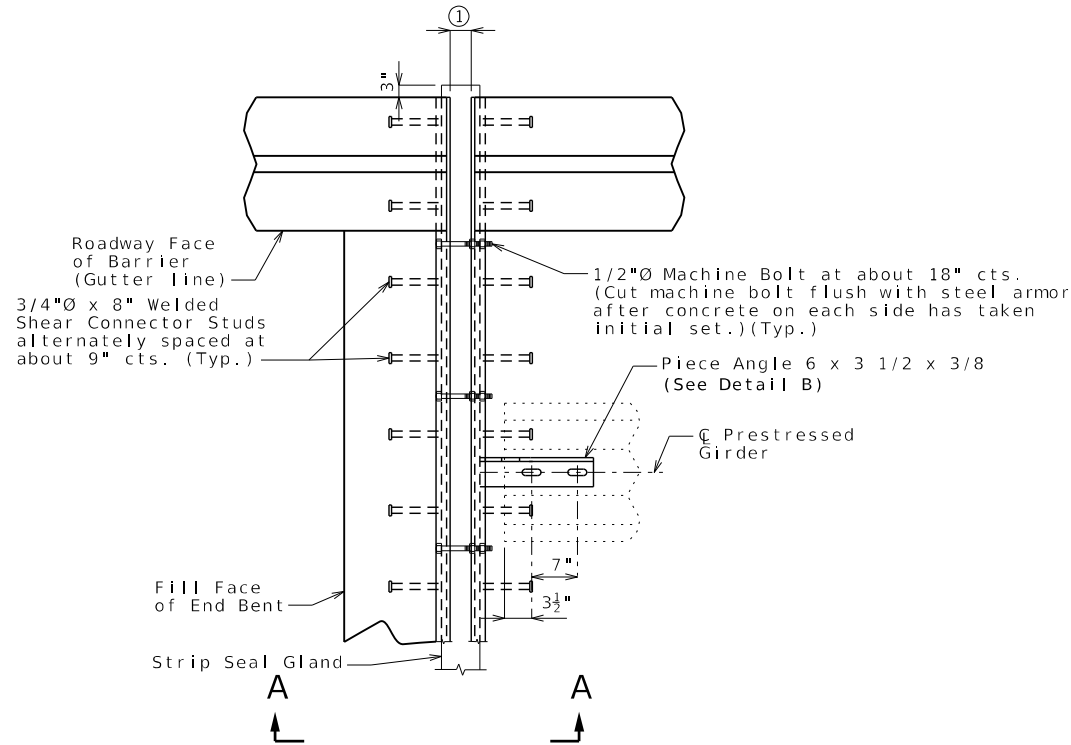


PART SECTION B-B



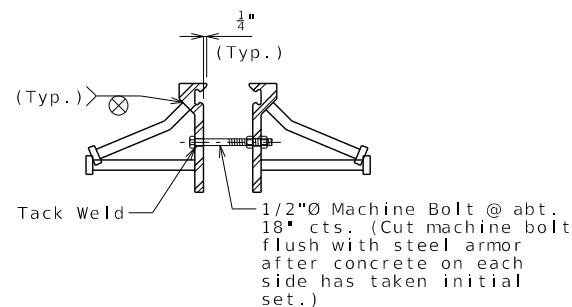
DETAIL OF JOINT ARMOR

** Bend stud in shop to maintain 1" min. from bottom of steel armor.

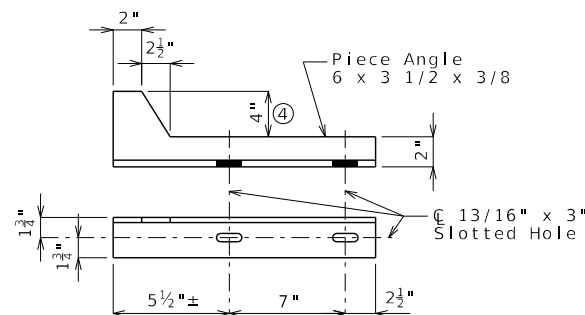


PART PLAN

Slab reinforcement not shown for clarity.



DETAIL A



DETAIL B

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.

Longitudinal reinforcing steel shall be placed so that ends shall be 1" from the vertical leg of the steel armor at the expansion joint system.

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.

④ The 4" dimension may be reduced if necessary to allow piece angle to be installed flush with the joint armor.

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

Payment for furnishing, coating or galvanizing and installing the structural steel for the expansion device will be considered completely covered by the contract unit price for Strip Seal Expansion Joint System per linear foot.

Payment for removing and replacing barrier curb will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb per linear foot.

Table of Allowed Transverse Strip Seal Expansion Joint System

Manufacturer	Strip Seal System (Designated Name)	Movement Parallel to RDWY	Allowed Installation Gap @ Air/Surface Temperature						③
			① Normal to Joint at RDWY Surface	②					
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	@ 80°F	@ 90°F	
D S Brown	Strip seal L2-400	3/8"	2 3/8"	2 1/8"	2"	1 15/16"	1 13/16"	1 3/4"	□
D S Brown	Strip seal L2-500	3/8"	2 3/8"	2 1/8"	2"	1 15/16"	1 13/16"	1 3/4"	□
Watson Bowman Acme (Wabo)	Strip seal SE-400	3/8"	2 3/8"	2 1/8"	2"	1 15/16"	1 13/16"	1 3/4"	□
Watson Bowman Acme (Wabo)	Strip seal SE-500	3/8"	2 3/8"	2 1/8"	2"	1 15/16"	1 13/16"	1 3/4"	□

STRIP SEAL EXPANSION JOINT SYSTEM AT END BENT NO. 17

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

Sheet No. 6 of 7

Detailed Nov. 2025
 Checked Nov. 2025



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
 3/26/2026

ROUTE 150 STATE MO

DISTRICT BR SHEET NO. 6

COUNTY JACKSON

JOB NO. JKU0140

CONTRACT ID.

PROJECT NO.

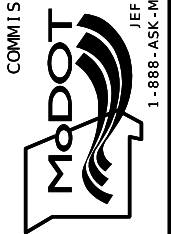
BRIDGE NO. A54961

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

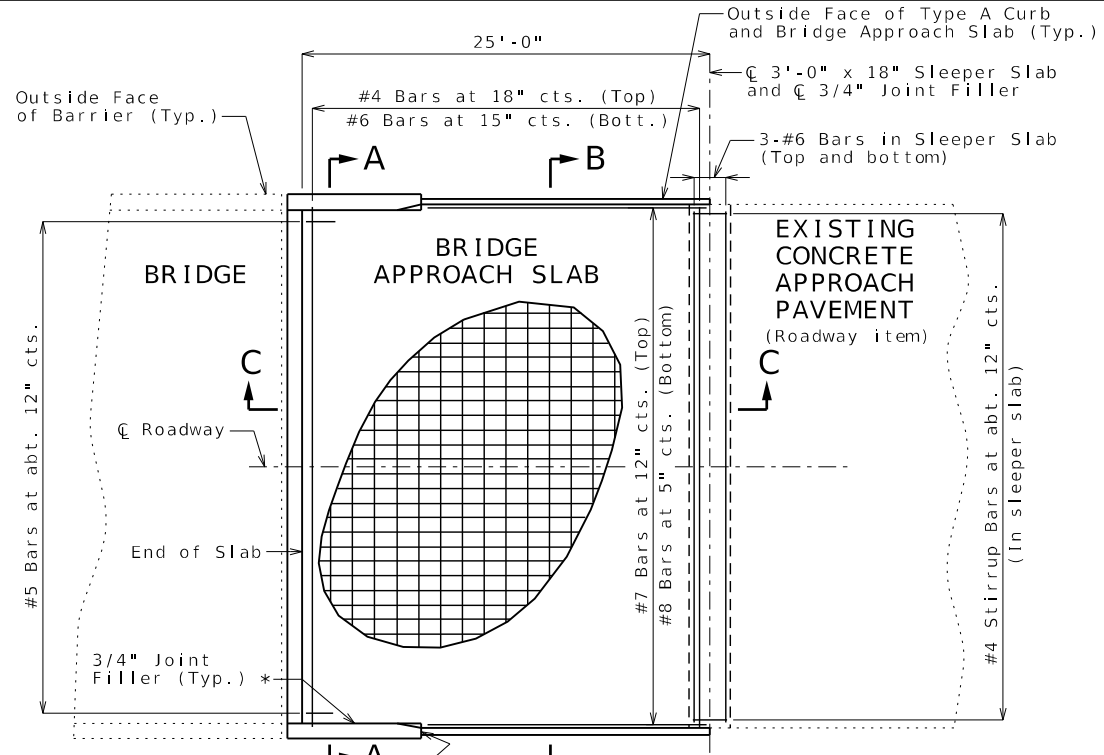
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



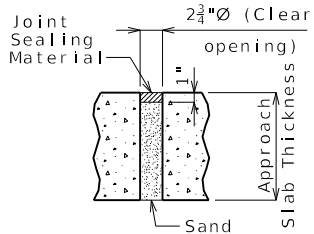
GBA
 9801 Renner Blvd, Ste. 300
 Lenora, KS 66219
 913.492.0400
 GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
 PRO. ENGINEER 000133
 ARCHITECT 000212
 PRO. LAND SURVEYOR 000059

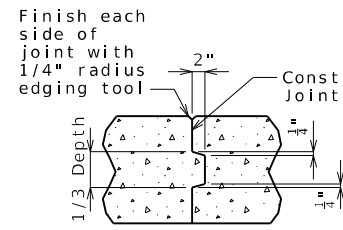
JOSHUA J. MILLER
 PROFESSIONAL ENGINEER
 PE-2009010386



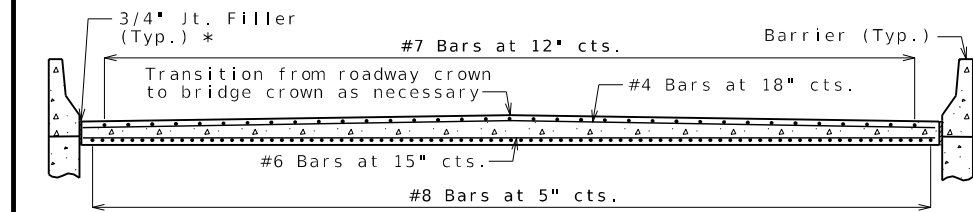
PART PLAN SHOWING REINFORCEMENT
(End Bent No. 17 shown, End Bent No. 1 similar)



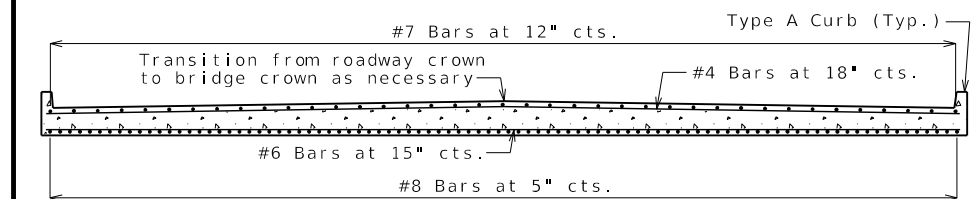
UNDERSEAL ACCESS HOLE DETAIL
(If required)



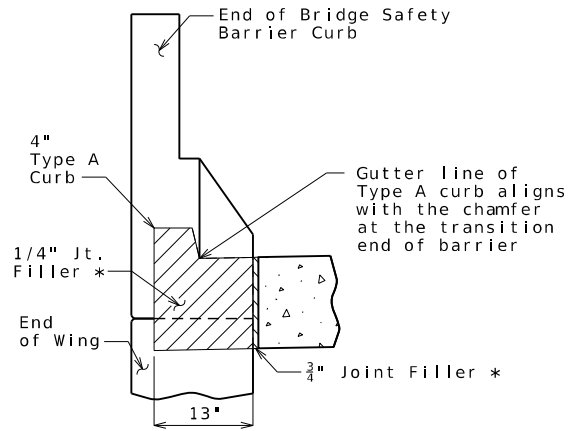
CONSTRUCTION JOINT DETAIL



SECTION A-A

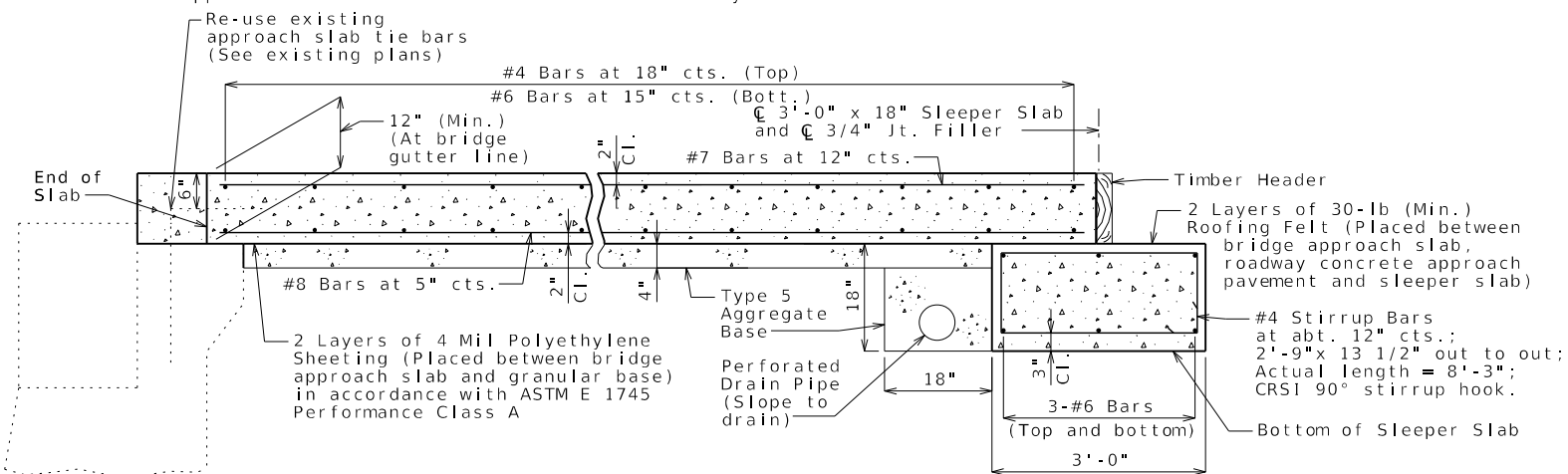


SECTION B-B



SECTION BETWEEN BARRIER AND CURB

With the approval of the engineer, the contractor may crown the bottom of the approach slab to match the crown of the roadway surface.



SECTION C-C

(End Bent No. 17 shown, End Bent No. 1 similar)

BRIDGE APPROACH SLAB (MAJOR)

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 27 inches for #4 bars and 40 inches for #6 bars, or by mechanical bar splice.

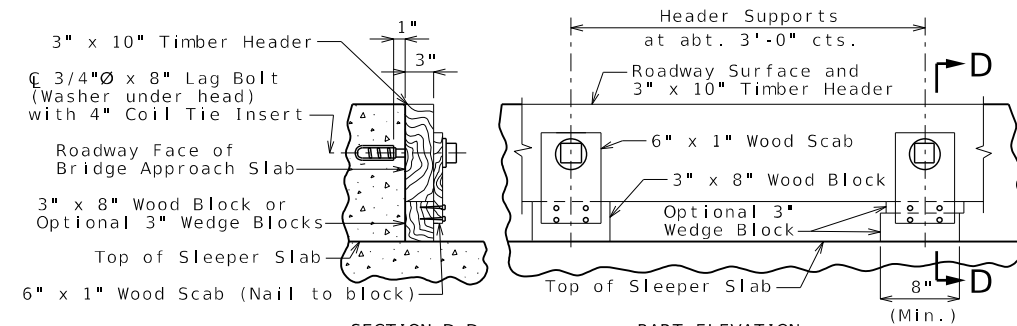
All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the timber header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Major) per square yard.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.



SECTION D-D

PART ELEVATION

DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
3/26/2026

ROUTE **150** STATE **MO**

DISTRICT **BR** SHEET NO. **7**

COUNTY **JACKSON**

JOB NO. **JKU0140**

CONTRACT ID.

PROJECT NO.

BRIDGE NO. **A54961**

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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