

DESIGN DESIGNATION

I-64W

A.A.D.T. WB (2021) = 43,700

A.D.T. TOTAL (2041) = 54,625

% TRUCKS WB (CONST.) = 8%

FUNCTIONAL CLASSIFICATION - INTERSTATE

OPERATIONAL (POSTED) SPEED = 60 MPH

OPERATIONAL (POSTED) SPEED = 60 MPH

NO ADDITIONAL
RIGHT OF WAY
WILL BE ACQUIRED FOR
THIS PROJECT

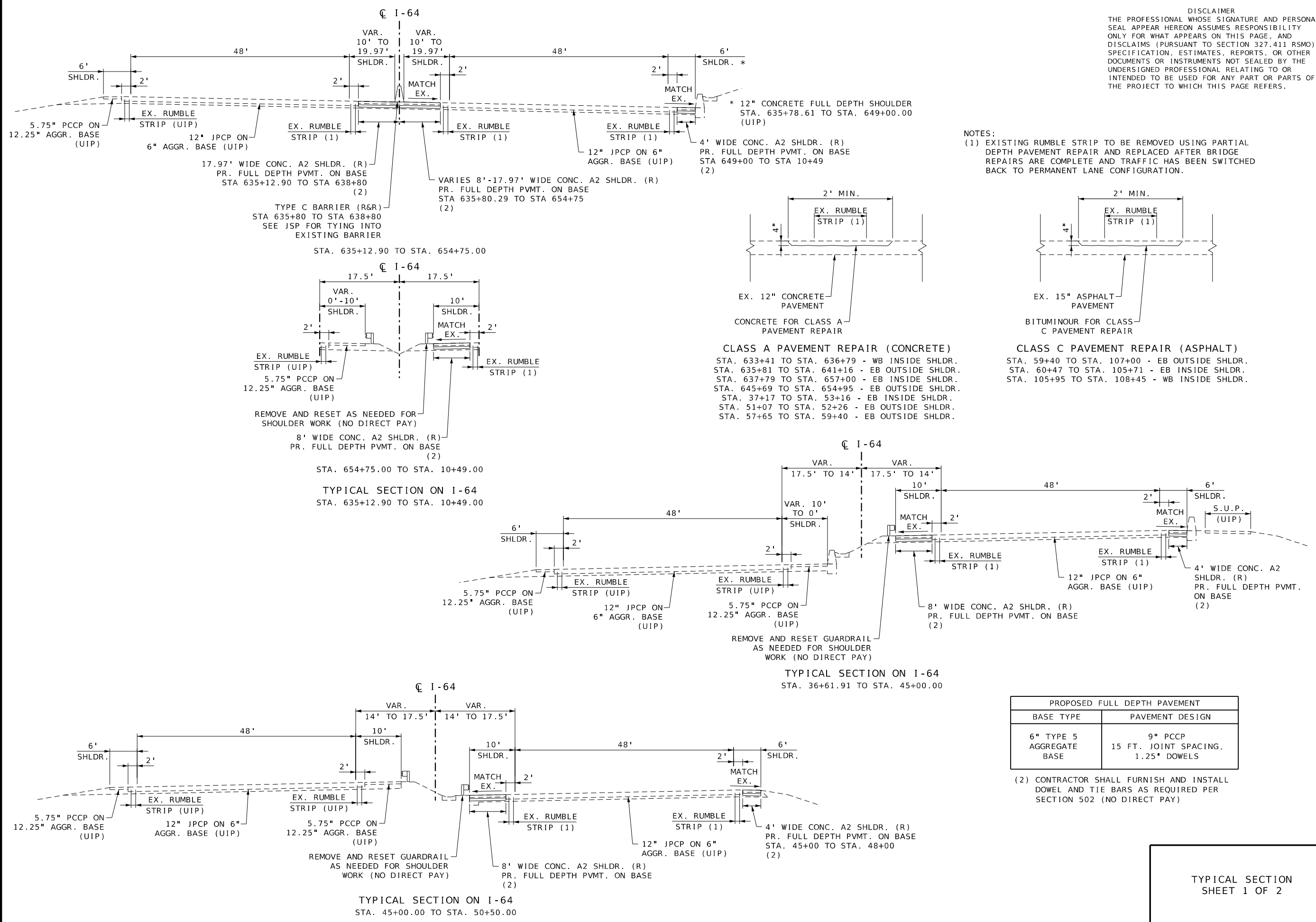
CONVENTIONAL SYMBOLS		EXISTING	NEW
BUILDINGS AND STRUCTURES			
CONCRETE RIGHT-OF-WAY MARKER			
STEEL RIGHT-OF-WAY MARKER			
UTILITIES			
FIBER OPTICS	—FO—	—FO—	
OVERHEAD TELEPHONE	—○—	—●—	
UNDERGROUND TELEPHONE	—T—	—T—	
OVERHEAD POWER	—□—	—■—	
UNDERGROUND POWER	—P—	—P—	
GAS	—G—	—G—	
WATER	—W—	—W—	
POWER/TELEPHONE/CABLE POLE	PTC		
GUY WIRE			
MANHOLE	SAN		
FIRE HYDRANT	HYD		
WATER VALVE	WV		
WATER METER	WM		
DROP INLET	DI		
DITCH BLOCK			
GROUND MOUNTED SIGN	SIGN		
LIGHT POLE			
H-FRAME POWER POLE			
FENCE			
CHAIN LINK			
WOVEN WIRE			
GATE POST			
BENCHMARK	BM		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

NEW

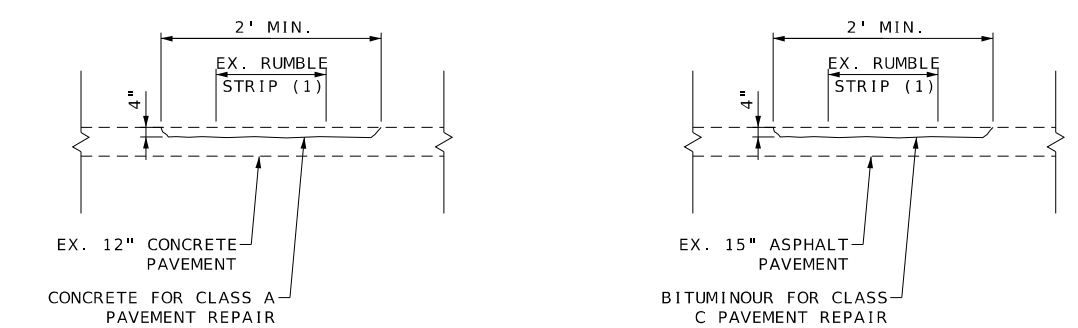
BENCHMARK

c:\transystems\pw_local\transyscorp-pw1\o-e_rsbusenbark\d1274676\Cover Sheet.dgn 8:10:25 AM 8/12/2024



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- NOTES:
(1) EXISTING RUMBLE STRIP TO BE REMOVED USING PARTIAL DEPTH PAVEMENT REPAIR AND REPLACED AFTER BRIDGE REPAIRS ARE COMPLETE AND TRAFFIC HAS BEEN SWITCHED BACK TO PERMANENT LANE CONFIGURATION.



- CLASS A PAVEMENT REPAIR (CONCRETE)
STA. 633+41 TO STA. 636+79 - WB INSIDE SHLDR.
STA. 635+81 TO STA. 641+16 - EB OUTSIDE SHLDR.
STA. 637+79 TO STA. 657+00 - EB INSIDE SHLDR.
STA. 645+69 TO STA. 654+95 - EB OUTSIDE SHLDR.
STA. 37+17 TO STA. 53+16 - EB INSIDE SHLDR.
STA. 51+07 TO STA. 52+26 - EB OUTSIDE SHLDR.
STA. 57+65 TO STA. 59+40 - EB OUTSIDE SHLDR.
- CLASS C PAVEMENT REPAIR (ASPHALT)
STA. 59+40 TO STA. 107+00 - EB OUTSIDE SHLDR.
STA. 60+47 TO STA. 105+71 - EB INSIDE SHLDR.
STA. 105+95 TO STA. 108+45 - WB INSIDE SHLDR.

PROPOSED FULL DEPTH PAVEMENT	
BASE TYPE	PAVEMENT DESIGN
6" TYPE 5 AGGREGATE BASE	9" PCCP 15 FT. JOINT SPACING, 1.25" DOWELS

(2) CONTRACTOR SHALL FURNISH AND INSTALL DOWEL AND TIE BARS AS REQUIRED PER SECTION 502 (NO DIRECT PAY)

TYPICAL SECTION
SHEET 1 OF 2

STATE OF MISSOURI
MARGARET ANN BRUNS
PROFESSIONAL ENGINEER
PE-2010000798
DATE PREPARED: 8/9/2024
ROUTE: 64, STATE: MO, DISTRICT: SL, SHEET NO.: 2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

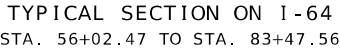
105 WEST CAPITOL
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Missouri Certificate of Authority: 001578



(1) EXISTING RUMBLE STRIP TO BE REMOVED USING PARTIAL DEPTH PAVEMENT REPAIR AND REPLACED AFTER BRIDGE REPAIRS ARE COMPLETE AND TRAFFIC HAS BEEN SWITCHED BACK TO PERMANENT LANE CONFIGURATION.

```
* MATCH EXISTING CROSS SLOPE STA 83+47.56 TO
STA 86+46
2% NC STA 86+46 TO STA 105+20
** VARIES
STA 82+12.57 TO STA 83+47.56, 73.5'-72.7'
*** VARIES
STA 83+47.56 TO STA 85+43.94, 72.7'-71.5'
STA 103+74.70 TO STA 105+20, 71.5'-64.5'
**** STA 68+46 TO STA 69+55, 0%
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Margaret Ann Bruns - Civil
MO PE-2010000798

DATE PREPARED
8/9/2024

ROUTE	STATE
64	MO

DISTRICT	SHEET NO.
SI	2

COUNTY
ST. LOUIS

JOB NO.
1613538

1613538
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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TYPICAL SECTION
SHEET 2 OF 2

REMOVAL OF IMPROVEMENTS									
SHEET NO.	STA	STA	LOC	ROADWAY	PRE/POST BRIDGE WORK	L.F.	S.F.	EACH	DESCRIPTIONS
58	56+50		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
58	57+16		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
58	57+53		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
58	58+71		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
58	60+52		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
59	66+67		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
59	76+04		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
59	77+53		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
60	98+48		RT	I-64 EB				1	SIGNS POSTS & FOUNDATIONS
64-66	59+38	109+65	EB	I-64				127	PAVEMENT MARKERS
4	635+80	638+80	RT	I-64 EB		300			MEDIAN BARRIER
12	103+00	108+00	CL	I-64 EB		500			MEDIAN BARRIER
4-6	635+00	657+00	LT/RT	I-64 EB	PRE		36346		CONCRETE SHOULDER
7-8	37+18	108+00	LT/RT	I-64 EB	PRE		37324		CONCRETE SHOULDER
9	66+68	69+68	RT	I-64 EB	PRE	300			GUARDRAIL
4-6	635+00	657	LT	I-64 EB/WB		5891			SAWCUT
7-12	37+18	105+20	RT	I-64 EB		11585			SAWCUT
11B	99+43	99+55	RT	I-64	POST			2	PULLBOX W/ CONC. APRON
62-64	58+30	104+60	RT	I-64 EB	PRE			11	DELINEATOR
8B-11B	56+05	105+19	RT	I-64 EB	POST		45643		CONCRETE WIDENING
8B-11B	56+05	105+19	RT	I-64 EB	POST	5005			SAWCUT FOR REMOVING WIDENING
					PAY TOTAL	1 LUMP SUM			

PAVEMENT & BASE								
SHEET NO.	ROADWAY	STA	STA	LOC	AREA	9- INCH PCCP 15-FT JT SP. 1 1/4" DOWELS	TYPE 5 AGG. FOR BASE 6 INCH THICK	REMARKS
					S.F.	S.Y.	S.Y.	
4	I-64 EB	635+13	643+50	LT/RT	19549.84	2172.20	2172.20	
5	I-64 EB	643+50	656+50	LT/RT	16188.50	1798.72	1798.72	
6	I-64 EB	656+50	657+00	LT/RT	608.10	67.57	67.57	
7	I-64 EB	37+18	48+50	LT/RT	13454.40	1494.93	1494.93	
8	I-64 EB	48+50	61+50	LT/RT	16379.70	1819.97	1819.97	
9	I-64 EB	61+50	75+00	RT	13415.60	1490.62	1490.62	
10	I-64 EB	75+00	88+50	RT	12942.40	1438.04	1438.04	
11	I-64 EB	88+50	102+00	RT	11288.60	1254.29	1254.29	
12	I-64 EB	102+00	102+20	RT	2247.00	249.67	249.67	
12	I-64 EB/WB	103+00	108+00	LT	13239.5	1471.1	1471.1	
					SUBTOTAL	13257.1	13257.1	
					PAY TOTAL	13257	13257	

EROSION CONTROL											
EC SHEET NO.	ROADWAY	STA	STA	LOC	PRE/ POST	SILT FENCE	ALTERNATE DITCH CHECK	SEDIMENT TRAP EXCAVATION	SEDIMENT TRAP ROCK	SEDIMENT REMOVAL	REMARKS
						L.F.	L.F.	C.Y	C.Y	C.Y	
1	I-64	69+48	80+16	RT	PRE	1109				11	
1	I-64	57+12	105+56	RT	PRE		456			38	38 ALT. DITCH CHECKS
1	I-64	61+00		RT	PRE			3	4	5	
1	I-64	104+23		RT	PRE			2	3	5	
2	I-64	69+48	80+16	RT	POST	1109				11	
2	I-64	57+12	105+56	RT	POST		456			38	38 ALT. DITCH CHECKS
2	I-64	61+00		RT	POST			3	4	5	
2	I-64	104+23		RT	POST			2	3	5	
						SUBTOTAL	2218	912	10	14	118
						PAY TOTAL	2218	912	10	14	118

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Margaret Ann Bruns - Civil
MO PE-201000798

DATE PREPARED 8/9/2024	
ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY ST LOUIS	
JOB NO. J613538	
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)



Civil Engineering Design
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SUMMARY OF QUANTITIES
SHEET 1 OF 7

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TEMPORARY PAVEMENT MARKING								
TCP STAGE / WORK	ROADWAY	STA	STA	LOC	4 - INCH TEMPORARY PAVEMENT MARKING PAINT			REMARKS
					YELLOW	WHITE	DOTTED WHITE	
					L . F .	L . F .	L . F .	
SHLDR REPLACEMENT	I - 64	595+00	109+50	LT/RT	5536	1926		
PRESTAGE	I - 64	595+00	109+50	LT/RT			62836	REMOVAL OF EXISTING MARKINGS
STAGE 1	I - 64	595+00	109+50	LT/RT	39735	74682	217	12" SW PAID 3 TIMES
STAGE 2	I - 64	595+01	109+50	LT/RT	42026	78077	212	
POST REPAIR	I - 64	595+01	109+50	LT/RT			121915	
SUBTOTAL					87297	154685	429	203496
PAY TOTAL					242411			203496

PERMANENT PAVEMENT MARKING										
PM SHEET NO.	ROADWAY	STA	STA	LOC	HIGH BUILD WATERBORNE PAVEMENT MARKING, TYPE L BEADS					REMARKS
					6 - INCH YELLOW	6 - INCH WHITE			12" WHITE	
					SOLID	SOLID	INTERMITTENT	DOTTED	DOTTED	SOLID
					L . F .	L . F .	L . F .	L . F .	L . F .	L . F .
1	I - 64	594+80	630+00	EB	3520	3520	2641	31		818
2	I - 64	630+00	656+50	WB	2457	2462	1845			
2	I - 64	630+00	656+50	EB	2649	2637	1983			
3	I - 64	656+50	35+00	WB	2547	2547	1911			
3	I - 64	656+50	35+00	EB	2547	2548	1730		181	
4	I - 64	35+00	61+50	WB	2663	2639	1728			578
4	I - 64	35+00	61+50	EB	2677	2700	1343		445	566
5	I - 64	61+50	88+50	WB	2680	2657	1334			6
5	I - 64	61+50	88+50	EB	2701	2724	1357			68
6	I - 64	88+50	115+89	WB	2738	2743	1360	84		507
6	I - 64	88+50	109+65	EB	2115	2114	1057	28		323
SUBTOTAL					29257	29254	18280	143	626	2792
PAY TOTAL					29294	47723			2792	127

PAVEMENT EDGE TREATMENT						
TCP STAGE / WORK	ROADWAY	STA	STA	LOC	PAVEMENT EDGE TREATMENT	REMARKS
PVMT WIDENING	I - 64 EB	56+05	105+19	RT	L . F	ADJACENT TO PVMT WIDENING
SUBTOTAL					4993	
PAY TOTALS					4993	

SUMMARY OF QUANTITIES
SHEET 2 OF 7

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DRAINAGE								
SHEET NO.	ROADWAY	STA	STA	LOC	CURVED VANE GRATE AND FRAME (4FTX2FT)	INLET TOP REPLACEMENT	CULVERT CLEANOUT	REMARKS
					EA.	EA.	EA.	
4	I-64	631+00	643+50	RT/LT			4	
5	I-64	643+50	656+50	RT/LT			2	
6	I-64	656+50	22+50	RT			2	
7	I-64	35+00	48+50	RT			4	
8	I-64	48+50	61+50	RT			4	
9	I-64	61+50	75+00	RT			2	
10	I-64	75+00	88+50	RT/LT			1	
4B-12B	I-64	631+00	110+00	RT/LT	10	2		REPLACE AS DIRECTED BY THE ENGINEER
4B-12B	I-64	631+00	110+00	RT/LT			5	AS DIRECTED BY THE ENGINEER
SUBTOTAL					10	2	24	
PAY TOTAL					10	2	24	

LINEAR GRADING						
SHEET NO.	ROADWAY	STA	STA	LOC	LINEAR GRADING CLASS 2	REMARKS
					STA.	
1-3	I-64	635+13	657+00	LT/RT	21.9	FOR SHOULDER REPLACEMENT INSIDE WB, INSIDE/OUTSIDE EB
4-5	I-64	37+17	59+25	LT/RT	22.2	FOR SHOULDER REPLACEMENT INSIDE/OUTSIDE EB
12	I-64	103+00	108+00	LT/RT	5.0	FOR SHOULDER REPLACEMENT INSIDE WB, INSIDE EB
SUBTOTAL					49.1	
PAY TOTALS					49	

EARTHWORK										
XS SHEET NO	ROADWAY	FROM STA	TO STA	LOC.	CLASS A EXCAVATION	FILL	COMPACTING EMBANKMENT	EMBANKMENT IN PLACE	COMPACTING IN CUT	REMARKS
					C.Y.	C.Y.	C.Y.	C.Y.	STA.	
1-35	I-64	56+00	105+25	RT	855	2106	684	1422	49.3	
N/A	I-64	56+00	105+25	RT	2106	855	855	0		
SUBTOTALS					2961		1539	1422	49.3	
PAY TOTALS					2961		1539	1422	49	

NOTE: ASSUMING 20% SHRINKAGE

SUMMARY OF QUANTITIES
SHEET 3 OF 7

DESCRIPTION	DATE

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GUARDRAIL / BARRIER									
SHEET NO.	ROADWAY	STA	STA	LOC	MGS GUARDRAIL	TYPE A CRASHWORTHY END TERMINAL (MASH)	MGS END ANCHOR	CONCRETE TRAFFIC BARRIER TYPE C	REMARKS
					L.F.	EA.	EA.	L.F	
9B	I-64	66+61	69+61	RT	300.0	1	1		
4B	I-64	635+80	638+80	CL				300	
12B	I-64	103+00	108+00	CL				500	
SUBTOTAL					300.0	1	1	800	
PAY TOTAL					300	1	1	800	

ITS ADJUSTMENTS, REPLACEMENTS AND REPAIR									
SHEET NO.	ROADWAY	STA	LOC	CLASS 2 PULLBOX	CLASS 5 PULLBOX	PULLBOX ADJUSTMENT	CONDUIT & CABLE ADJUSMENTS AT PULLBOXES	CONDUIT REPAIR	REMARKS
				EA.	EA.	EA	EA.	L.F.	
11	I-64	99+43	RT			1	1		PRE-BRIDGE WORK
11	I-64	99+55	RT			1	1		PRE-BRIDGE WORK
11B	I-64	99+43	RT	1			1		POST-BRIDGE WORK
11B	I-64	99+55	RT		1		1		POST-BRIDGE WORK
11-11B	I-64	99+43 TO 99+55	RT					100	AS NEEDED
SUBTOTAL				1	1	2	4	100	
PAY TOTAL				1	1	2	4	100	

MOBILIZATION	1 LUMP SUM
ADDITIONAL MOBILIZATION FOR SEEDING	4 EACH
CONTRACTOR FURNISHED SURVEYING AND STAKING	1 LUMP SUM
SEEDING - COOL SEASON MIXTURES	5 ACRE
TEMPORARY SEEDING	5 ACRE
MULCHING	10 ACRE
MISC. TEMPORARY PAVEMENT MARKING PAINT	1 LUMP SUM
MISC. WELD DRAINAGE GRATE	1 LUMP SUM
REMOVE & RELOCATE EXISTING SIGN(S) TO NEW POST	6 EACH

SUMMARY OF QUANTITIES
SHEET 5 OF 7

DESCRIPTION	DATE					

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



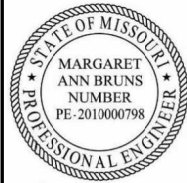
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SL	3

COUNTY
ST LOUIS

JOB NO.
J6I3538

CONTRACT ID.

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[illegible]

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

REV.

TEMPORARY CONCRETE TRAFFIC BARRIER, IMPACT ATTENUATORS, AND CRASH CUSHIONS																
SHEET NO.	ROADWAY	DIRECTION	STA	STA	SHLDR LOC	STAGE	TEMP. TRAFFIC BARRIER CONTRACTOR FURN. / RETAINED	TEMP. TRAFFIC BARRIER ANCHORED CONTRACTOR FURN. / RETAINED	TEMP. TRAFFIC BARRIER STIFF. TRANS. SEC CONTRACTOR FURN. / RETAINED	RELOC TEMP. TRAFFIC BARRIER	60 MPH IMPACT ATTENUATOR	REPL SAND BARREL	IMPACT ATTENUATOR RELOC	WORK ZONE CRASH CUSHION (NARROW)	WORK ZONE CRASH CUSHION (RELOCATION)	REMARKS
							LF	LF	LF	LF	EA.	EA.	EA.	EA.	EA.	
4-6	I-64	EB	634+18	657+00	INSIDE	PRE	2287.5				1					FOR SHLDR REPLACEMENT (1)
4-6	I-64	WB	635+00	657+00	INSIDE	PRE	537.5				1					FOR SHLDR REPLACEMENT (1)
5-7	I-64	EB	648+50	657+00	OUTSIDE	PRE	862.5							1		
7	I-64	EB	36+62	48+12	OUTSIDE	PRE	1162.5							1		
7-8	I-64	EB	36+29	59+33	INSIDE	PRE	2325.0				1					FOR SHLDR REPLACEMENT (1)
9	I-64	EB	65+15	69+56	OUTSIDE	PRE, 1 & 2	450.0				1					AFTER GRADING
11	I-64	EB	97+55	100+90	OUTSIDE	PRE, 1 & 2	337.5				1					AFTER GRADING
11-12	I-64	EB	101+88	108+00	INSIDE	PRE	612.5				1					FOR SHLDR REPLACEMENT (1)
11-12	I-64	WB	101+50	102+95	INSIDE	PRE	650.0				1					FOR SHLDR REPLACEMENT (1)
15-29	I-64	EB	635+80	637+93	N/A	1 & 2			212.5							DIVIDES EB/WB TRAFFIC
15-29	I-64	EB	637+93	657+06	N/A	1 & 2				1912.5						DIVIDES EB/WB TRAFFIC
15-29	I-64	EB	657+06	36+22	N/A	1 & 2	2625.0									DIVIDES EB/WB TRAFFIC
15-29	I-64	EB	36+22	59+20	N/A	1 & 2				2325.0						DIVIDES EB/WB TRAFFIC
15-29	I-64	EB	59+20	100+45	N/A	1 & 2	4162.5									DIVIDES EB/WB TRAFFIC
15-29	I-64	EB	100+45	105+88	N/A	1 & 2				550.0						DIVIDES EB/WB TRAFFIC
15-29	I-64	EB	105+88	108+00	N/A	1 & 2			212.5							DIVIDES EB/WB TRAFFIC
15-29	I-64	EB	649+55	649+91	INSIDE	1 & 2		25							1	
15-29	I-64	WB	56+03	56+49	INSIDE	1 & 2		25							1	
15-29	I-64	WB	67+67	68+13	INSIDE	1 & 2		25						1		
15-29	I-64	WB	68+57	69+03	INSIDE	1 & 2		25						1		
15-29	I-64	WB	100+83	101+28	INSIDE	1 & 2		25						1		
15-29	I-64	WB	103+00	103+21	INSIDE	1 & 2								1		
15-29	I-64	WB	657+05	37+89	N/A	1	2787.5						1			PROTECT WB BRIDGE WORK AREA
30-44	I-64	WB	657+05	37+89	INSIDE	2	37.5			2787.5			1			
15-44	I-64	EB/EB				N/A						9				AS REQUIRED
SUBTOTAL							18837.5	125.0	425.0	7575.0	7	9	2	6	2	
PAY TOTAL							18838	125	425	7575	7	9	2	6	2	

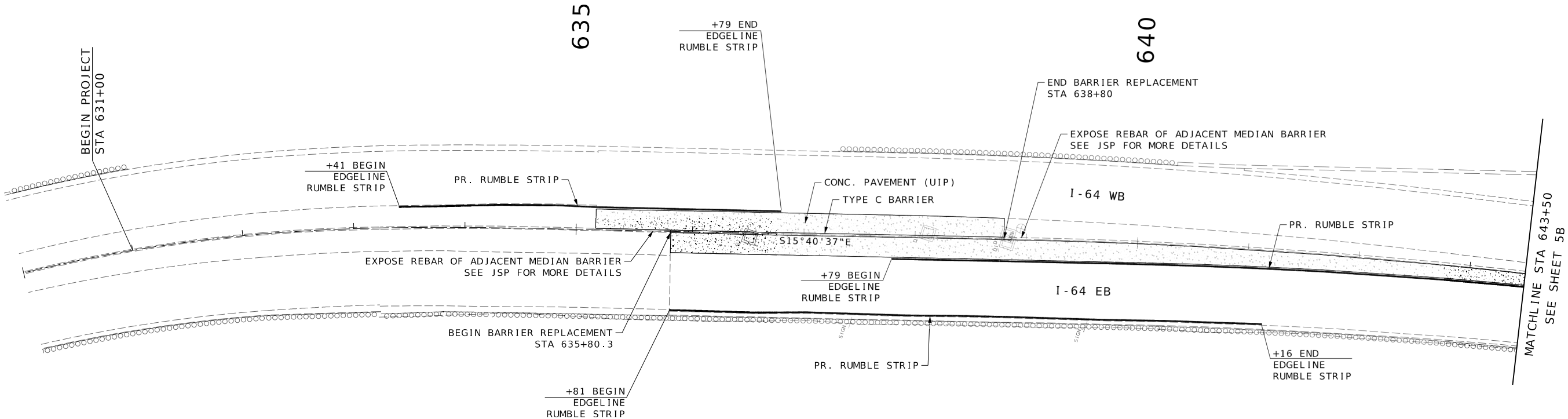
(1) CONTRACTOR SHALL KEEP THE INSIDE SHOULDER CLOSED AFTER SHOULDER REPLACEMENT IS COMPLETED. SOME OF THIS BARRIER TO BE RELOCATED FOR STAGE 1.

SUMMARY OF QUANTITIES
SHEET 6 OF 7

SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	
GUIDE SIGNS								DESCRIPTION
E05-1	36X48	12.00	2	24			49	GORE EXIT
E05-2	48X36	12.00	2	24			50	EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	4	40			1	ROAD WORK NEXT 4 MILES
GO20-2	48X24	8.00	4	32			26	END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	34	204			54	WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI	6.93	1	6.93			13	YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	2	24			4	SPEED LIMIT 45
R2-1	36X48	12.00	32	384			4	SPEED LIMIT 50
R2-1	36X48	12.00	4	48			25	SPEED LIMIT 60
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	4	8			99	SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	2	64			65	POINT OF PRESENCE
CONST-7	48X36	12.00	4	48			64	WORK ZONE NO PHONE ZONE
CONST-7	48X48	16.00	8	128			90	RUMBLE STRIPS AHEAD
SPECIAL	96X48	32.00	1	32			85	ALL LANES I-64 WESTBOUND
SPECIAL	96X60	40.00	1	40			86	SPIRIT BLVD EXIT USE RIGHT LANE
SPECIAL	96X48	32.00	2	64			87	ALL LANES I-64 EASTBOUND
R9-11	24X18	3.00	4	12			98	SIDEWALK CLOSED AHEAD
W4-2R	48X48	16.00	2	32			62	RIGHT LANE END
R4-9	36X48	12.00	2	24			46B	STAY IN LANE
616-10.05				TOTAL			NOTES: ALL TRAFFIC CONTROL ITEMS INCLUDED IN PA ITEM 616-99.01 TEMPORARY TRAFFIC CONTROL LUMP SUM. UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.	
CONSTRUCTION SIGNS				2456				
616-10.10				TOTAL				
RELOCATED SIGNS						*		
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SIGN QUANTITIES HAVE BEEN ESTIMATED. TEMPORARY TRAFFIC CONTROL SHALL FOLLOW AT A MINIMUM MUTCD STANDARDS. LATEST EDITION.								

TEMPORARY TRAFFIC CONTROL	1 LUMP SUM
* NO DIRECT PAY WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNING OR DEVICES.	
** NOT INCLUDED IN LUMP SUM TEMPORARY TRAFFIC CONTROL	
(1) SEE SUMMARY OF QUANTITY SHEET 6 OF 7	

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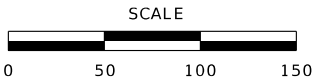


LEGEND:

 PAVEMENT REPLACEMENT
 USE IN PLACE

NOTES:

1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
2. ALL BEARINGS BASED ON MISSOURI STATE PLANE EAST ZONE.
3. SEE SIGNING PLANS FOR INFORMATION ABOUT EXISTING SIGNS.



PLAN
SHEET 2 OF 18
POST-BRIDGE WORK

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DATE PREPARED
8/9/2024

ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 4B

COUNTY
ST LOUIS

JOB NO.
J613538

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)

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

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ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 5

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

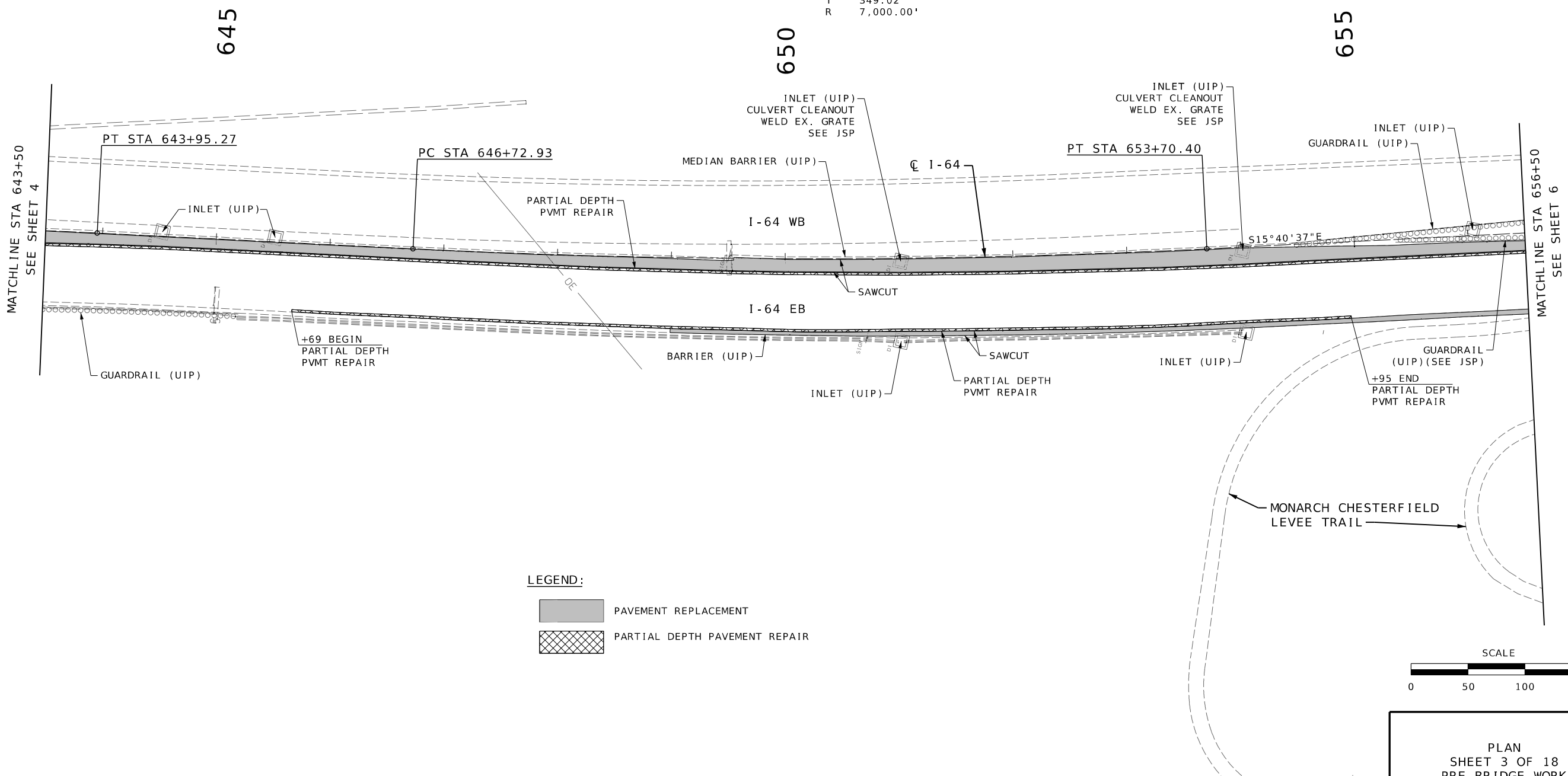
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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Phone 314-394-3100
Fax 314-394-3199
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PI 650+21.95
PC 646+72.93
PT 653+70.40
Δ 5°42'31.9" (RT)
D 0°49'6.6"
L 697.47' (ARC)
T 349.02'
R 7,000.00'

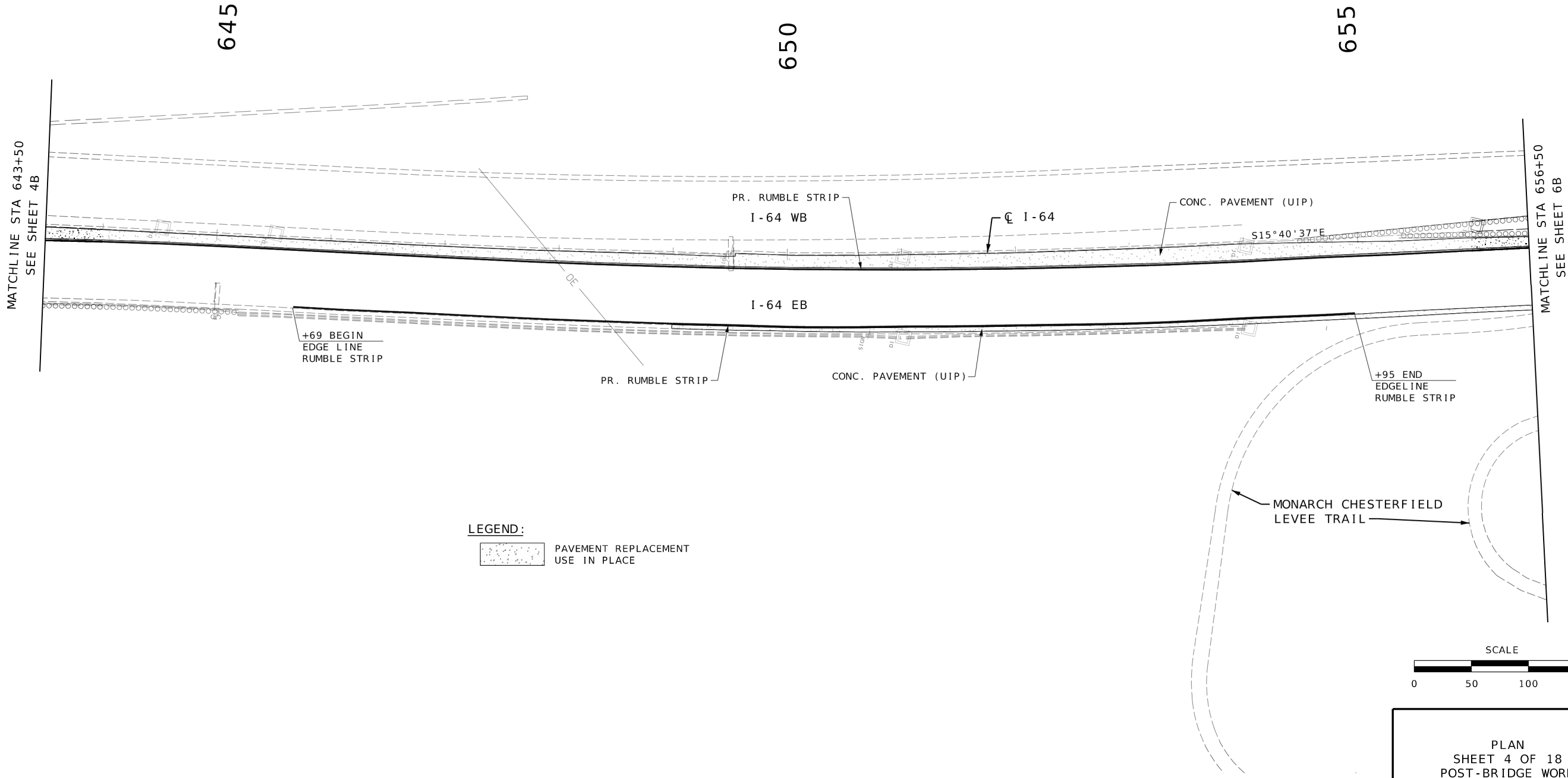


LEGEND:

	PAVEMENT REPLACEMENT
	PARTIAL DEPTH PAVEMENT REPAIR

SCALE
0 50 100 150

PLAN
SHEET 3 OF 18
PRE-BRIDGE WORK



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DISTRICT SL	SHEET NO. 5B
COUNTY ST LOUIS	
JOB NO. J613538	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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ROUTE 64 STATE MO

DISTRICT SL SHEET NO. 6

COUNTY ST LOUIS

JOB NO. J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

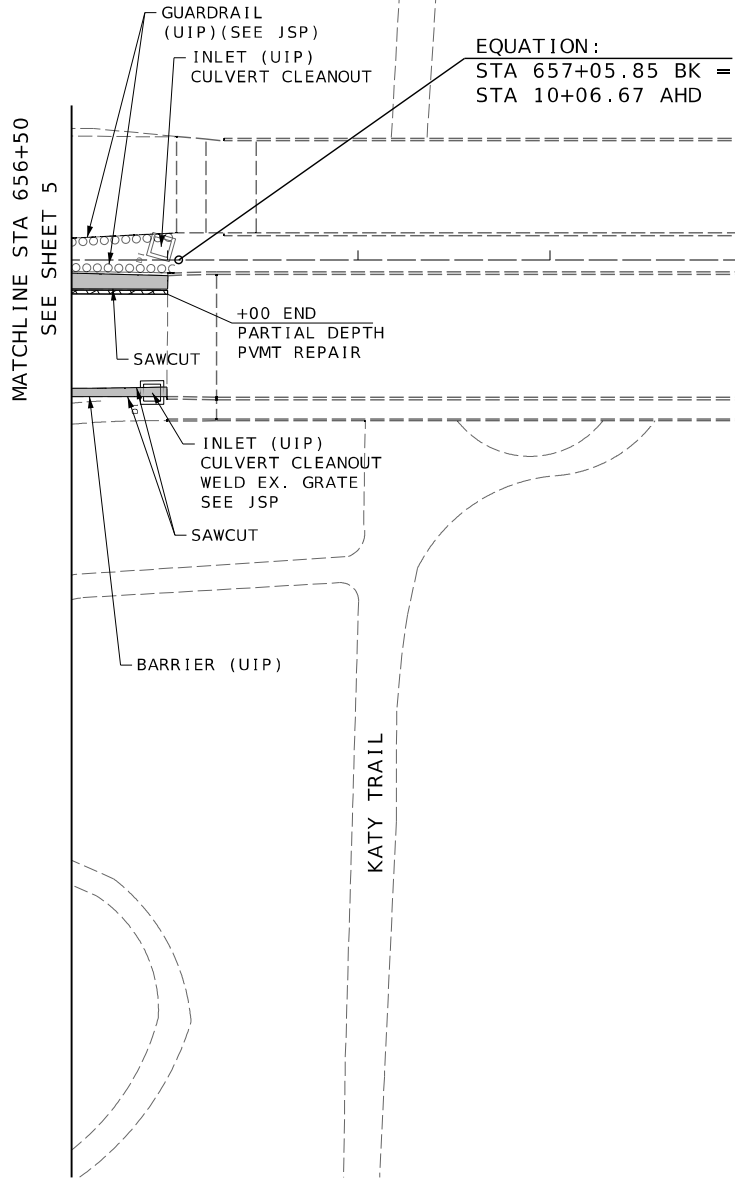
DATE	DESCRIPTION

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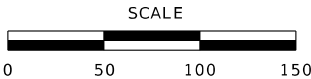
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EQUATION:
STA 657+05.85 BK =
STA 10+06.67 AHD

- LEGEND:
- PAVEMENT REPLACEMENT
 - PARTIAL DEPTH PAVEMENT REPAIR



PLAN
SHEET 5 OF 18
PRE-BRIDGE WORK



DATE PREPARED
8/9/2024

DISTRICT	SHEET NO.
SL	6B

JOB NO.
J6I3538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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COMMISSION

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JEFFERSON CITY, MO 65102
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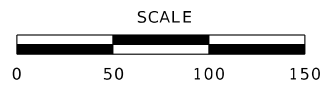
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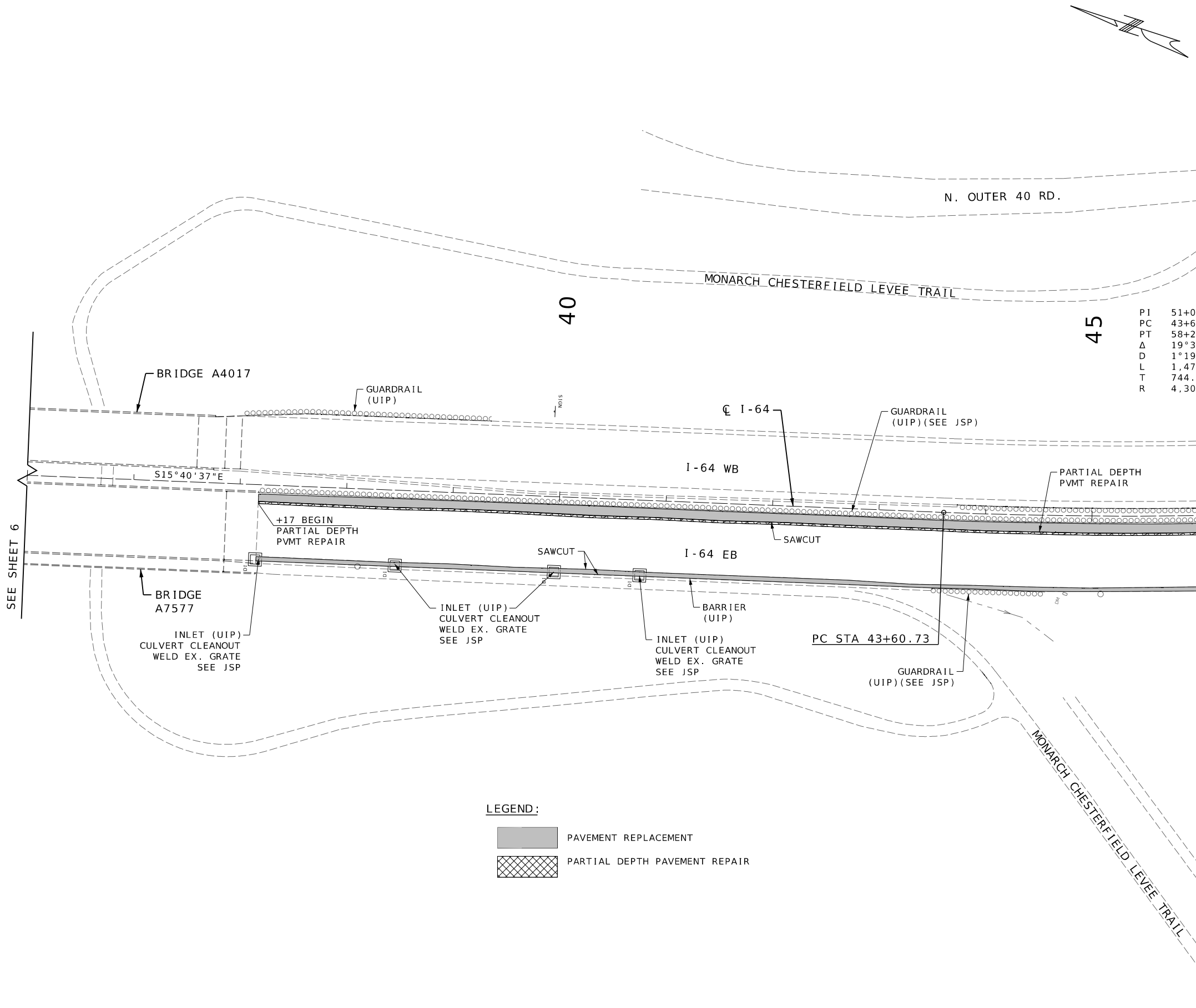
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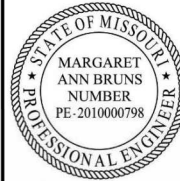
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SHEET 6 OF 18
POST-BRIDGE WORK



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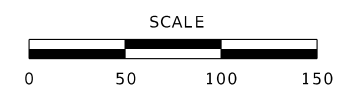


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8/9/2024

ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 7
COUNTY ST LOUIS	
JOB NO. J613538	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

PI 51+05.03
PC 43+60.73
PT 58+25.15
Δ 19°38'25.7" (RT)
D 1°19'56.9" (ARC)
L 1,474.00'
T 744.30'
R 4,300.00'

- LEGEND:
- PAVEMENT REPLACEMENT
 - PARTIAL DEPTH PAVEMENT REPAIR



PLAN
SHEET 7 OF 18
PRE-BRIDGE WORK

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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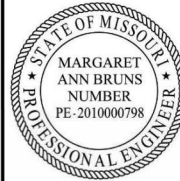
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ROUTE 64 STATE MO

DISTRICT SL SHEET NO. 7B

COUNTY ST LOUIS

JOB NO. J613538

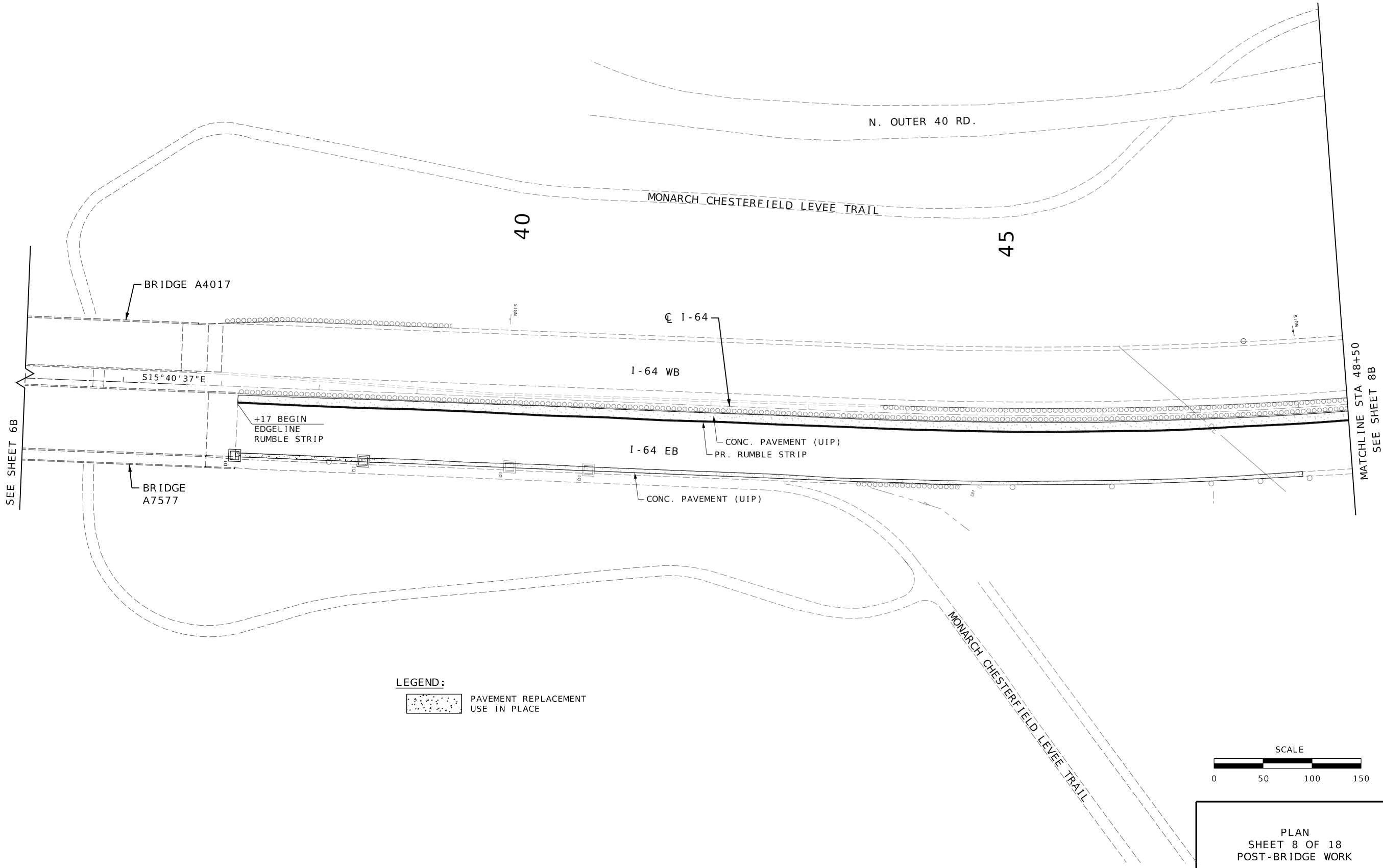
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PROJECT NO.

BRIDGE NO.

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REV.



LEGEND:
PAVEMENT REPLACEMENT
USE IN PLACE

SCALE
0 50 100 150

PLAN
SHEET 8 OF 18
POST-BRIDGE WORK

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DATE PREPARED
8/9/2024

DISTRICT	SHEET NO.
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CONTRACT ID.

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PROJECT NO.

BRIDGE NO.

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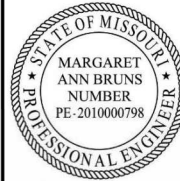
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REV.

O:\2021R2\MoDOT ORD v10.10.01.03\23009 MoDOT J613538 I-64 WB over MO River\DGN\Roadway\Final\Plotsheets\004-012 PL 01-09 J613538 i50.dgn 6:36:04 PM 8/9/2024

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8/9/2024

ROUTE 64 STATE MO

DISTRICT SL SHEET NO. 8B

COUNTY ST LOUIS

JOB NO. J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

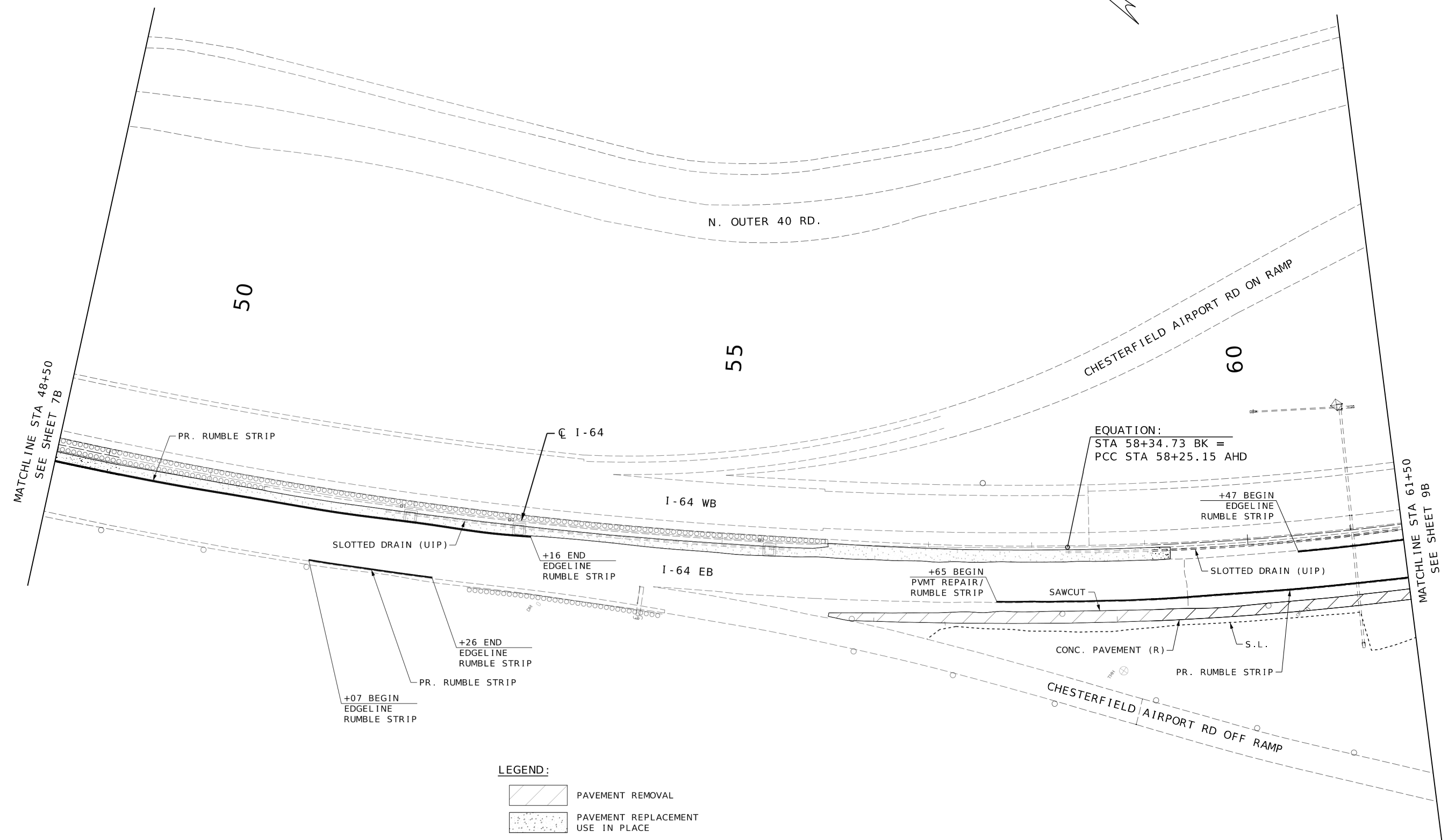
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St. Louis, MO 63021

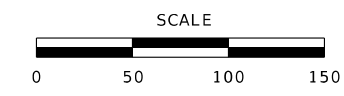
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LEGEND:

	PAVEMENT REMOVAL
	PAVEMENT REPLACEMENT USE IN PLACE



PLAN
SHEET 10 OF 18
POST-BRIDGE WORK

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DATE PREPARED
8/9/2024

DISTRICT	SHEET NO.
SL	9B

JOB NO.
1613538

7019990
CONTRACT ID.

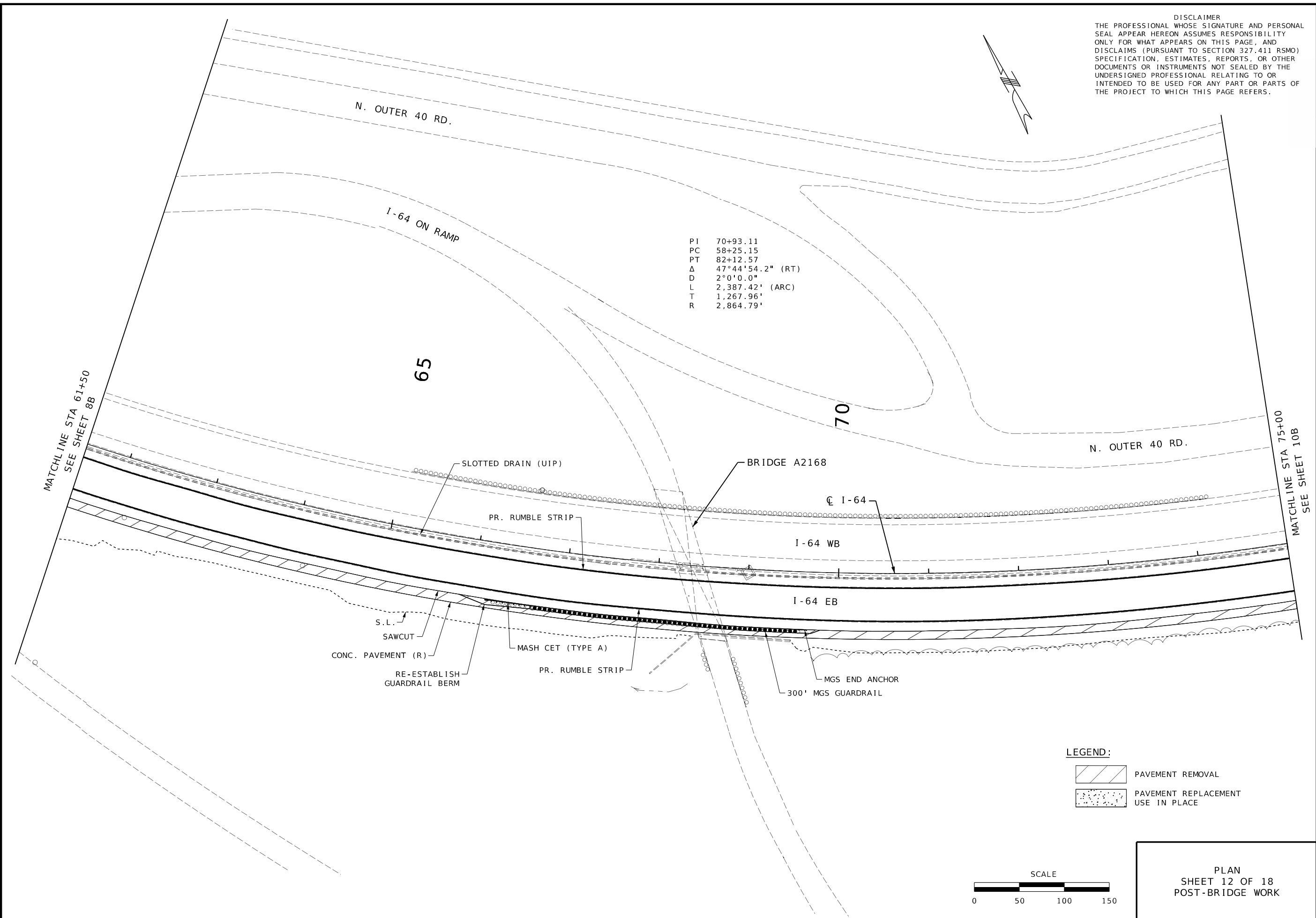
PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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Civil Engineering Design
13523 Barrett Parkway Dr

Phone 314-394-3100
Fax 314-394-3199
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St. Louis, MO 63021
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O:\2021R2\MoDOT_ORD_v10.10.01.03\23009 MoDOT J613538 I-64 WB over MO River\DGN\Roadway\Final\Plotsheets\004-012_PL_01-09_J613538_i50_B SHEETS.dgn 6:36:12 PM 8/9/2024



DATE PREPARED
8/9/2024

DISTRICT	SHEET NO.
SL	10

JOB NO.
1613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

LEFK MOEN

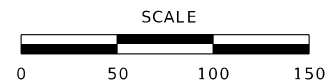
Civil Engineering Design
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 Fax 314-394-3199
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PARTIAL DEPTH PAVEMENT REPAIR

PLAN
SHEET 13 OF 18
PRE-BRIDGE WORK





DATE PREPARED
8/9/2024

DISTRICT	SHEET NO.
SL	10B

JOB NO.
J6I3538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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COMMISSION

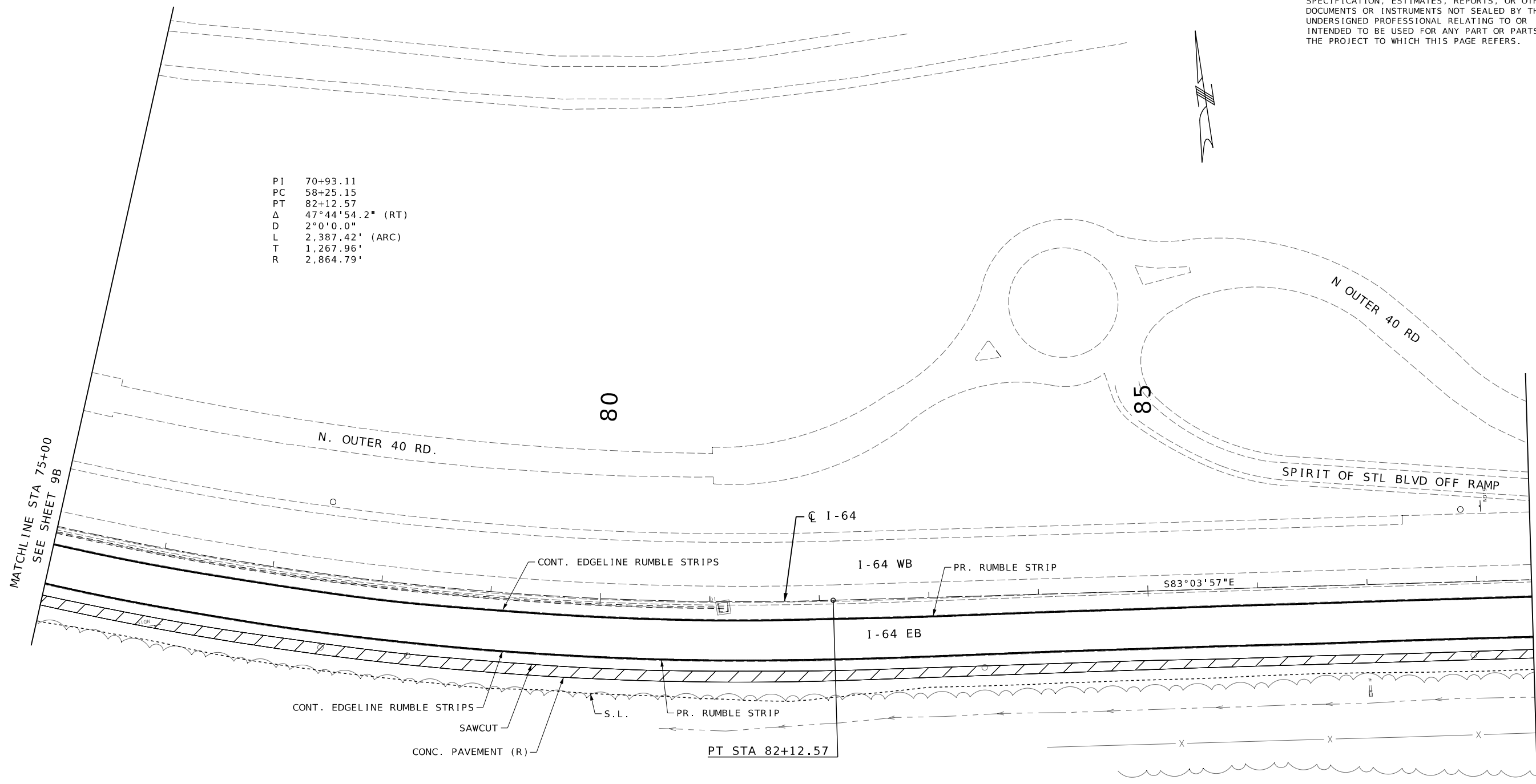
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.



SCALE

0 50 100 150

PLAN
SHEET 14 OF 18
POST-BRIDGE WORK



DATE PREPARED
8/9/2024

DISTRICT	SHEET NO.
SL	11B

JOB NO.
J6I3538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

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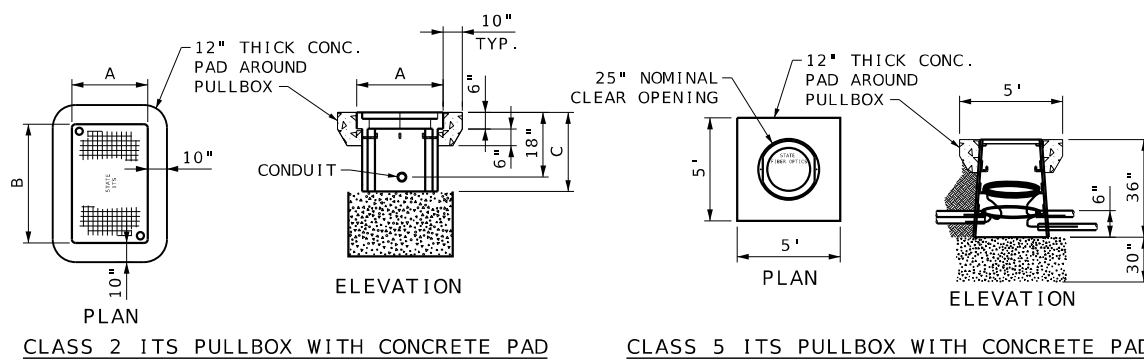
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St. Louis, MO 63021

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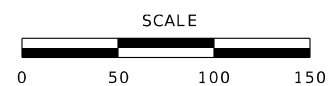
REV.



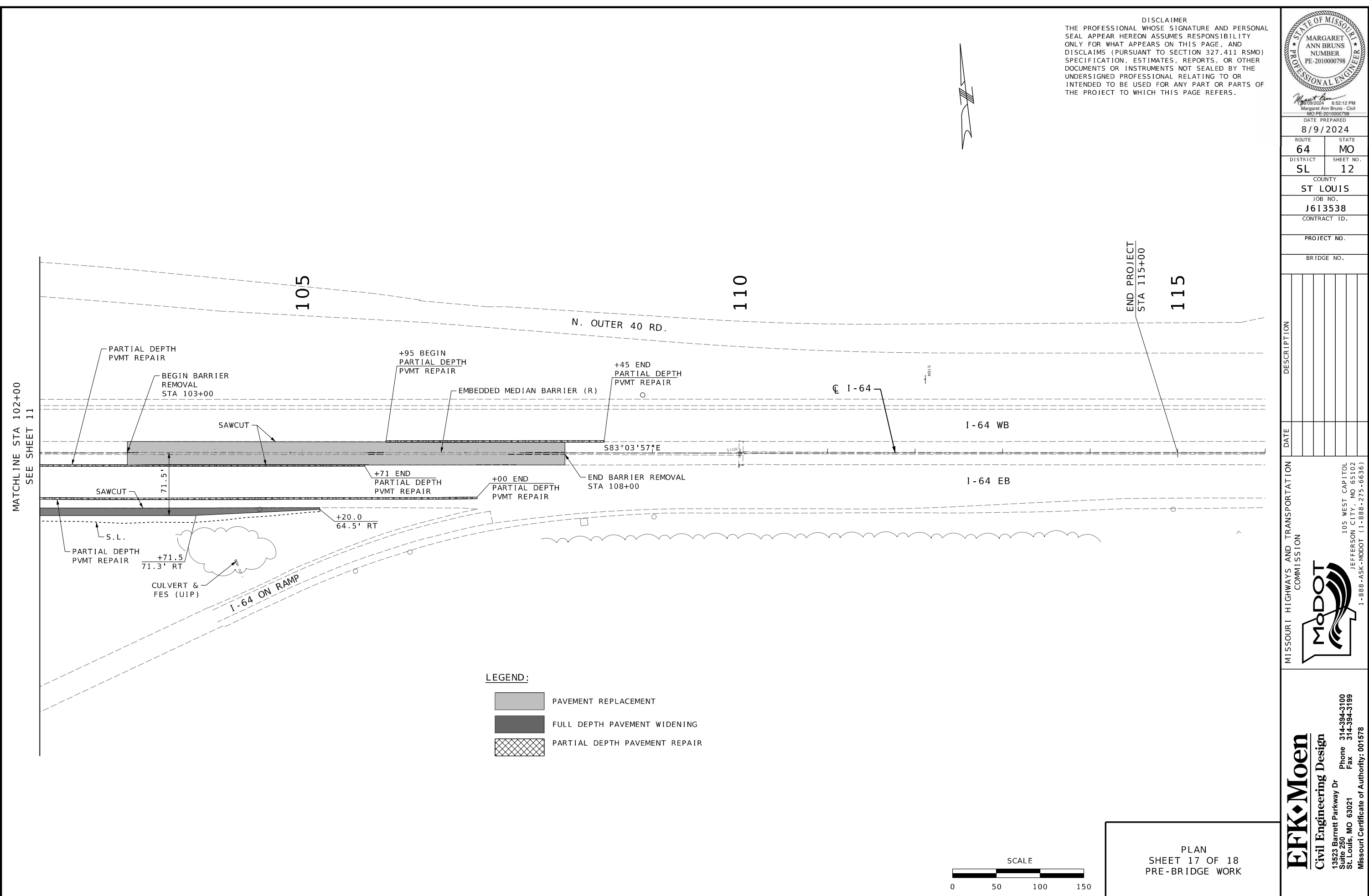
NOTES:
CONTRACTOR SHALL PROTECT THE EXISTING FIBER OPTIC CABLES FROM ALL RELOCATION AND OTHER
CONSTRUCTION OPERATIONS.

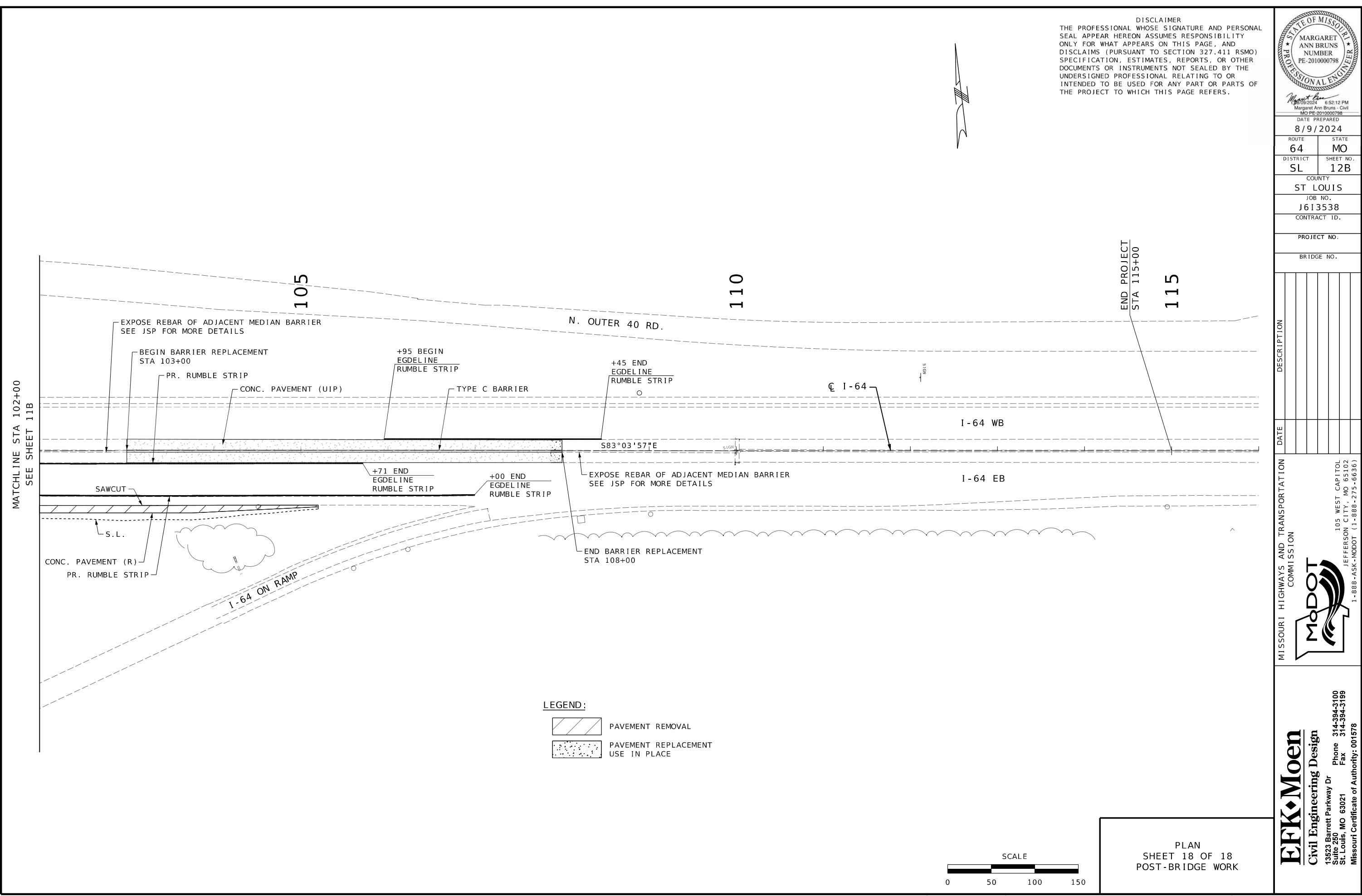
FOR PULLBOX DIMENSION AND DRAIN TYPE SEE STANDARD PLAN 902.20.

COST OF CONCRETE PAD TO BE CONSIDERED COMPLETELY COVERED IN "ITS CLASS 2 PULLBOX" & "ITS
CLASS 5 PULLBOX" PER EACH.



PLAN
SHEET 16 OF 18
POST-BRIDGE WORK





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ROUTE	STATE
64	MO
DISTRICT	SHEET NO.
SL	12B

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

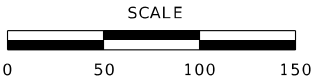
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105 WEST CAPITOL
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PLAN
SHEET 18 OF 18
POST-BRIDGE WORK



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ROUTE 64
STATE MO
DISTRICT SL
SHEET NO. 14

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

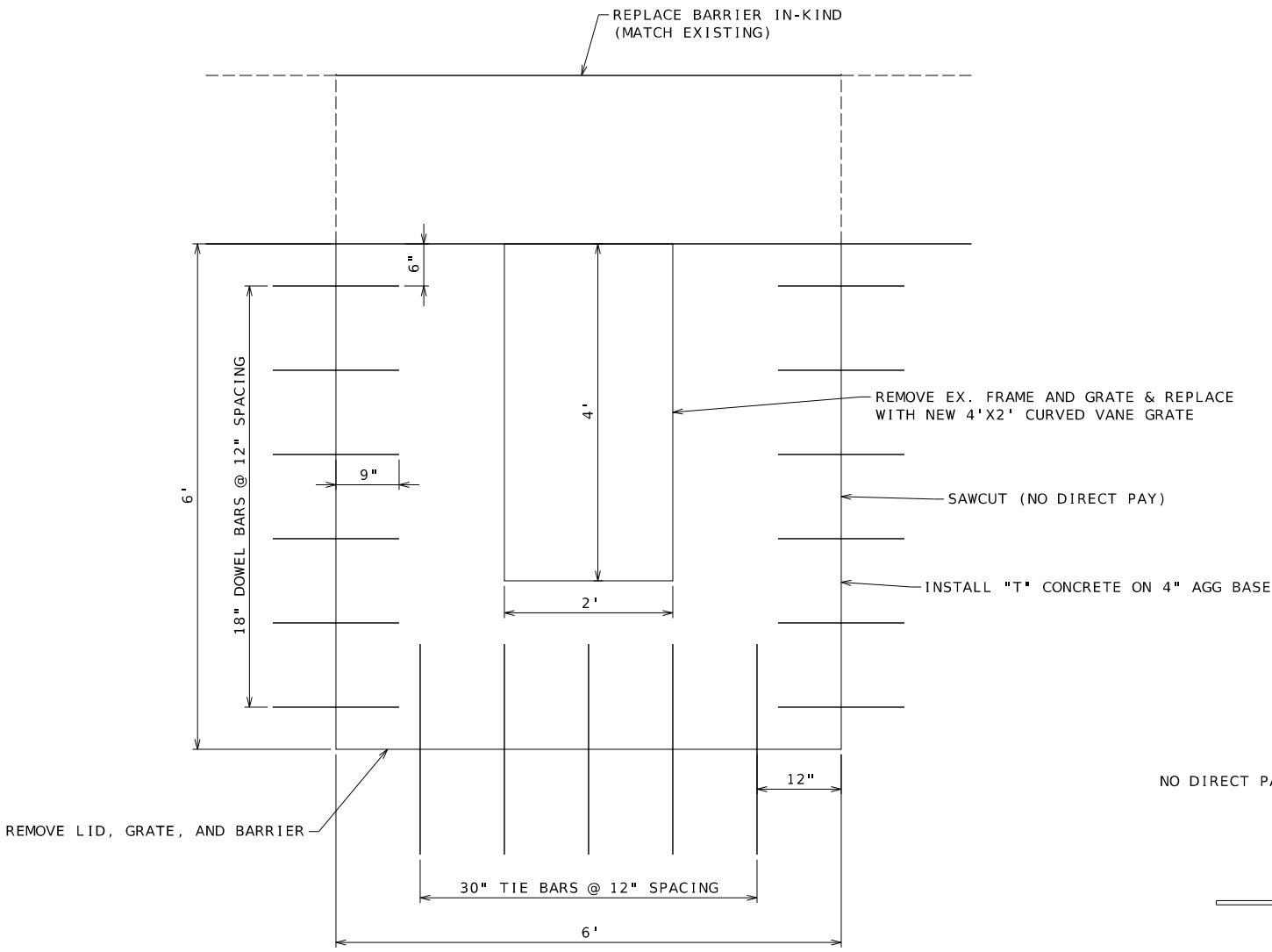
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



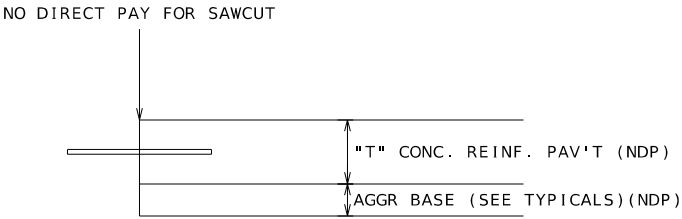
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Phone 314-394-3100
Fax 314-394-3199
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TYPICAL FRAME AND GRATE REPLACEMENT DETAIL



NOTE:
SEE STANDARD PLAN 731.10 FOR PAVEMENT THICKNESS DIMENSION "T"

NOTE:
NO DIRECT PAY FOR TIE BARS OR DOWEL BARS.
SEE STANDARD PLAN 731.10 FOR REINFORCING DETAILS FOR DROP INLET COVERS. NO DIRECT PAY FOR REINFORCING STEEL FOR INLET COVERS.
SEE STANDARD PLAN 502.05 FOR LONGITUDINAL JOINT DETAILS.

NOT TO SCALE

SPECIAL SHEET
INLET TOP REPLACEMENT
SHEET 1 OF 1



BRIDGE
OR
RAMP



2



BRIDGE
OR
RAMP

WO20-1
(2A)



WO20-5
(5)



SPECIAL
(90)



WO8-15P
(90A)



WO20-6a
(6)

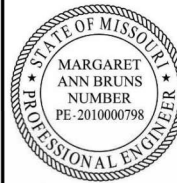


WO4-1aR
(6A)

TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN
- * EXACT LOCATION AND MESSAGE OF CMS
APPROVED BY THE ENGINEER

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ROUTE 64 STATE MO

DISTRICT SL SHEET NO. 15

COUNTY ST LOUIS

JOB NO. J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

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REV.

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ROUTE 94 OFF RAMP

TECHNOLOGY DR W

TECHNOLOGY DR W

CS STA 582+77.23

SEE TCP SHEET 2

ORDER OF WORK:

PRIOR TO TRAFFIC SHIFT -
PAVEMENT REPLACEMENT OF SHOULDERS SHALL BE COMPLETED.
TEMPORARY FULL DEPTH PAVEMENT WIDENING AND GRADING FOR
IMPACT ATTENUATORS AND TEMPORARY BARRIER SHALL BE
CONSTRUCTED.
INLETS, PIPES AND SLOTTED DRAINS SHALL BE CLEANED OUT.
GRATES SHALL BE WELDED TO THEIR FRAMES.
PARTIAL DEPTH PAVEMENT REPAIR FOR EXISTING RUMBLE STRIPS
SHALL BE COMPLETED.

AFTER BRIDGE REHAB IS COMPLETED AND TRAFFIC IS RESTORED TO
EXISTING CONDITIONS -
THE TEMPORARY FULL DEPTH WIDENING SHALL BE REMOVED AND THE
GRADING RESTORED TO EXISTING CONDITIONS.

GENERAL TRAFFIC CONTROL NOTES:

- 1.ANY EXISTING SIGN THAT CONFLICTS WITH THE
TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY
COVERED OR REMOVED AT NO DIRECT PAY.
- 2.PLACEMENT OF TRAFFIC CONTROL SIGNS ARE
APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD
CONDITIONS AS APPROVED BY THE ENGINEER.
- 3.SIGN AND DEVICE LOCATIONS SHALL BE FIELD
VERIFIED AND APPROVED BY THE ENGINEER.
- 4.NO DIRECT PAY WILL BE MADE FOR THE RELOCATION
OR TEMPORARY MOUNTING OF EXISTING SIGNS
DISPLACED BY THE TEMPORARY WIDENING. METHOD OF
TEMPORARY MOUNTING AND LOCATION OF THESE SIGNS
TO BE APPROVED BY THE ENGINEER.

SCALE



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 1 OF 44

ADVANCE WARNING RAIL SYSTEM



LEFT SIDE
OF ROAD

RIGHT SIDE
OF ROAD

WORK
ZONE

GO20-5aP
54

SPEED
LIMIT
50

R2-1
4

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DISTRICT SL	SHEET NO. 16

COUNTY
ST LOUIS

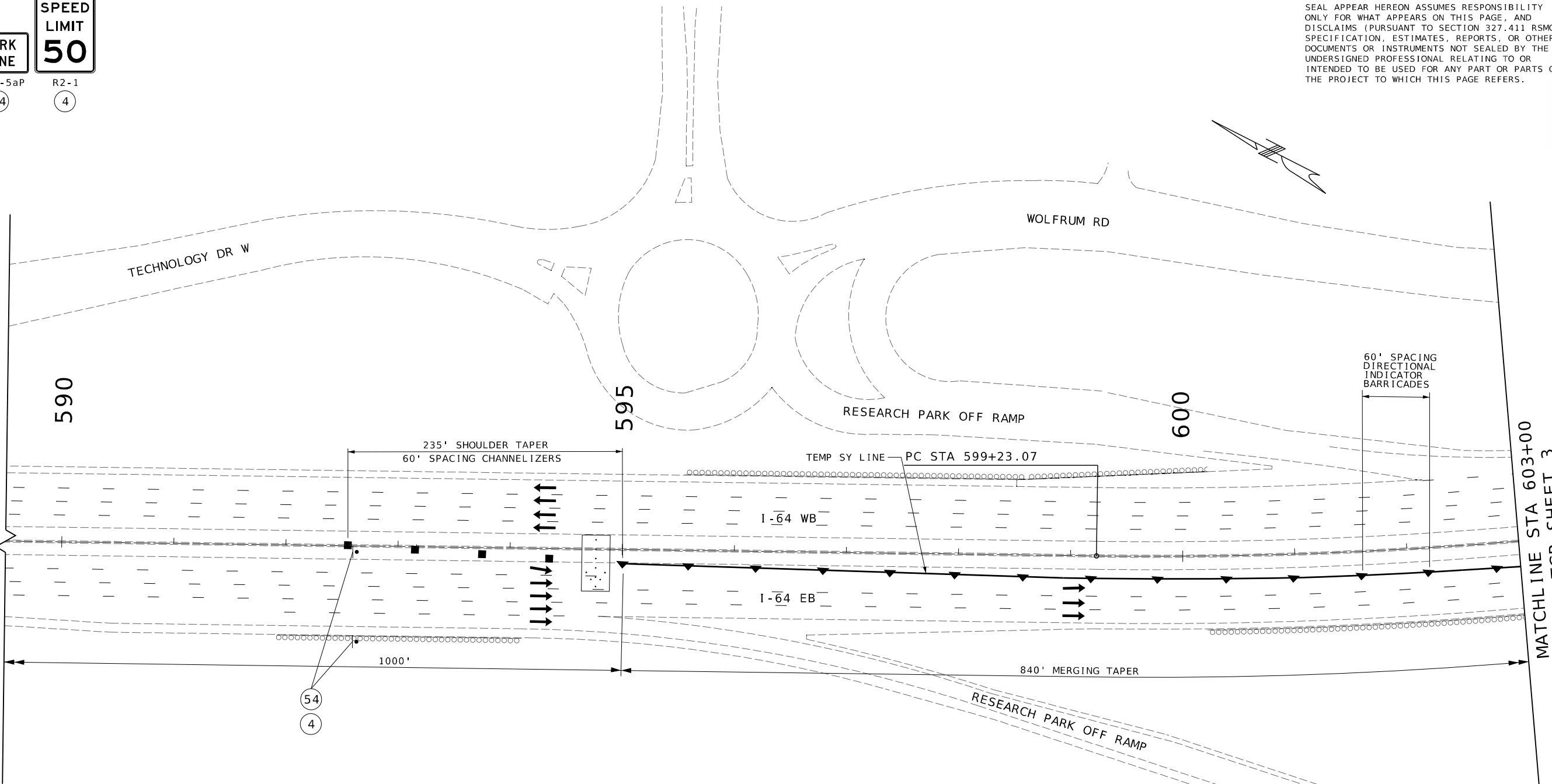
JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

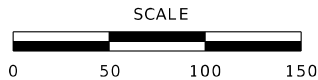
SEE SHEET 1



MATCHLINE STA 603+00
SEE TCP SHEET 3

TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIP
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 2 OF 44

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



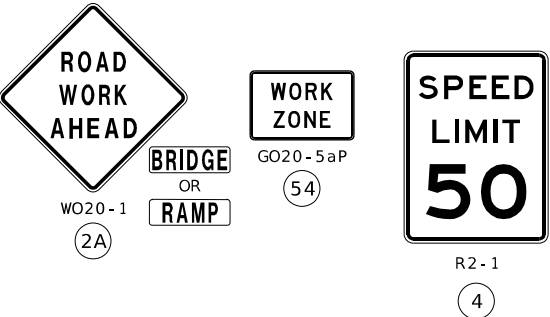
105 WEST CAPITOL
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Civil Engineering Design

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St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
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TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
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- ▲ DIRECTION INDICATOR BARRICADE
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ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 17

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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COMMISSION

105 WEST CAPITOL
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1-888-ASK-MODOT (1-888-275-6636)

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Civil Engineering Design

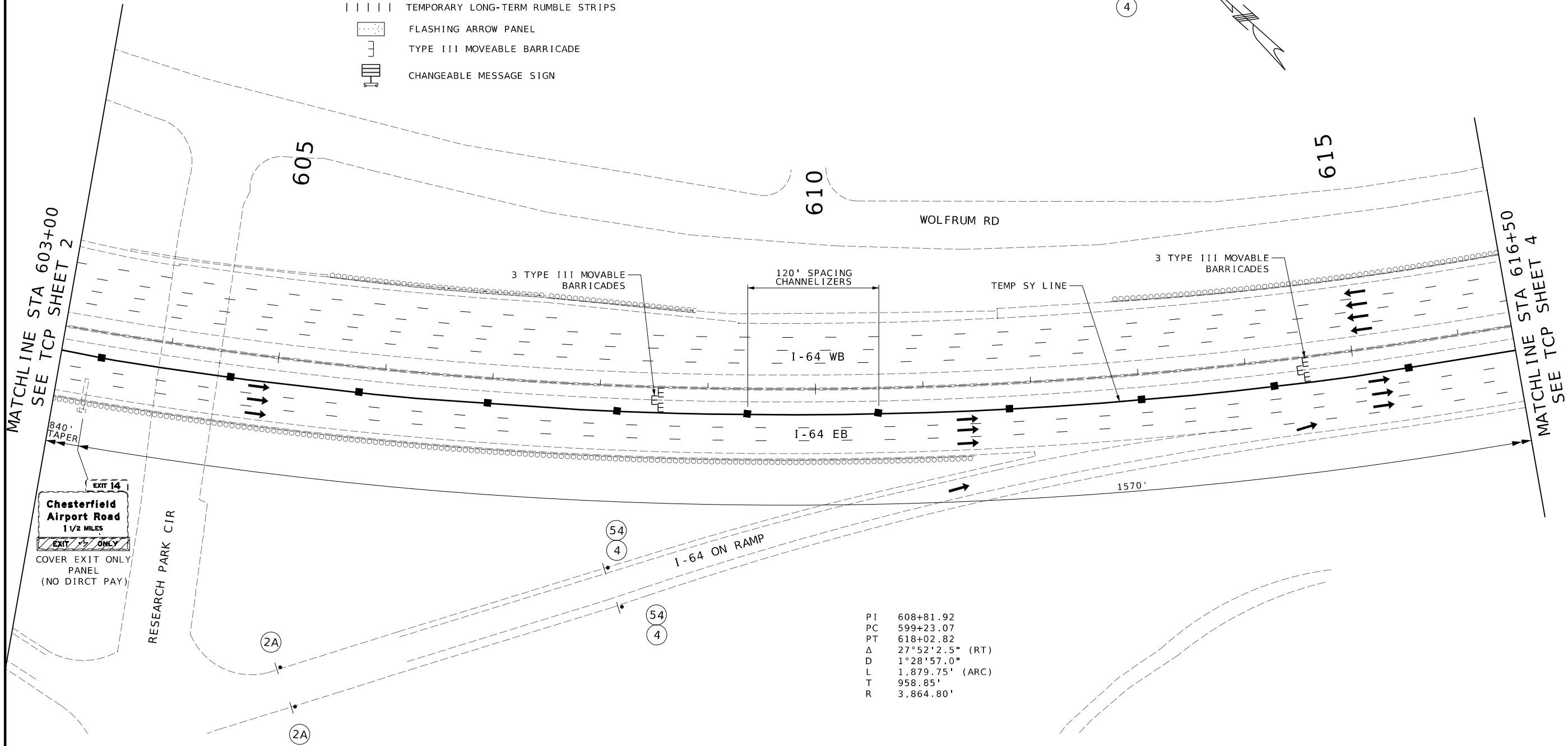
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Fax 314-394-3199

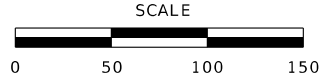
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MATCHLINE STA 603+00
SEE TCP SHEET 2

MATCHLINE STA 616+50
SEE TCP SHEET 4



PI 608+81.92
PC 599+23.07
PT 618+02.82
Δ 27°52'2.5" (RT)
D 1°28'57.0"
L 1,879.75' (ARC)
T 958.85'
R 3,864.80'



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 3 OF 44

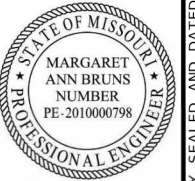
SPEED
LIMIT
60

R2-1
(25)

EAST
INTERSTATE
64
USE
ALL
LANES

SPECIAL
(87)

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DISTRICT SL SHEET NO. 18

COUNTY ST LOUIS

JOB NO. J613538

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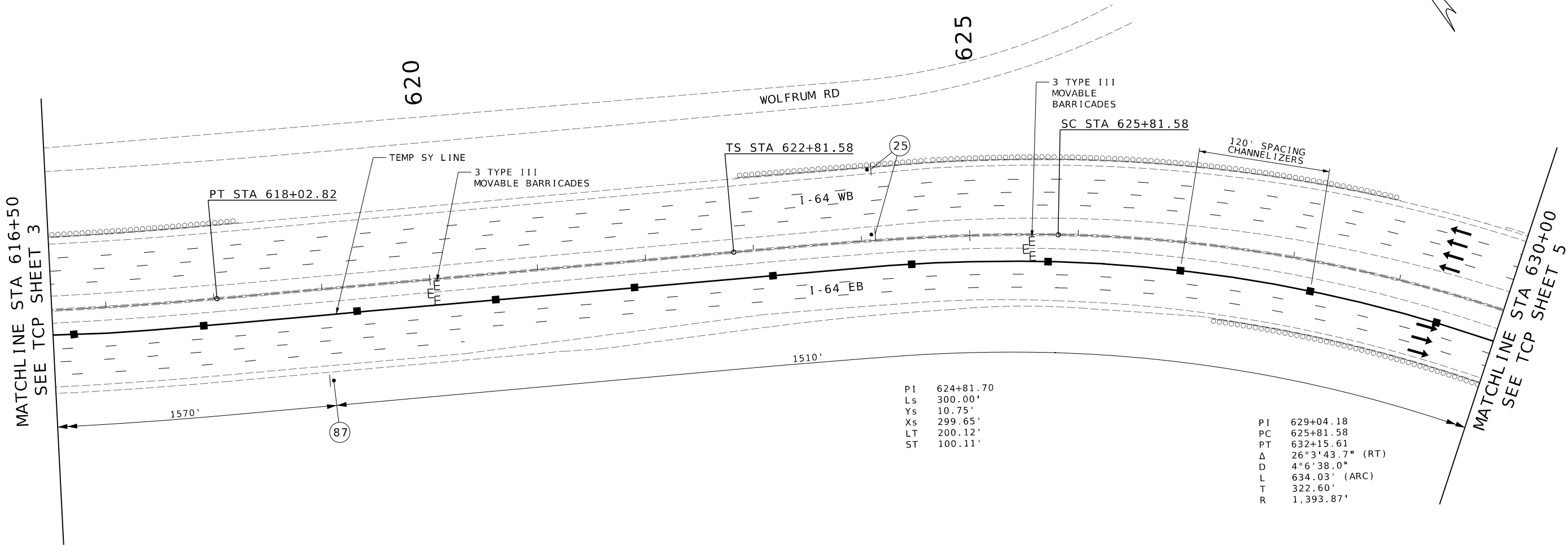
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BRIDGE NO.

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St. Louis, MO 63021
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Fax 314-394-3199
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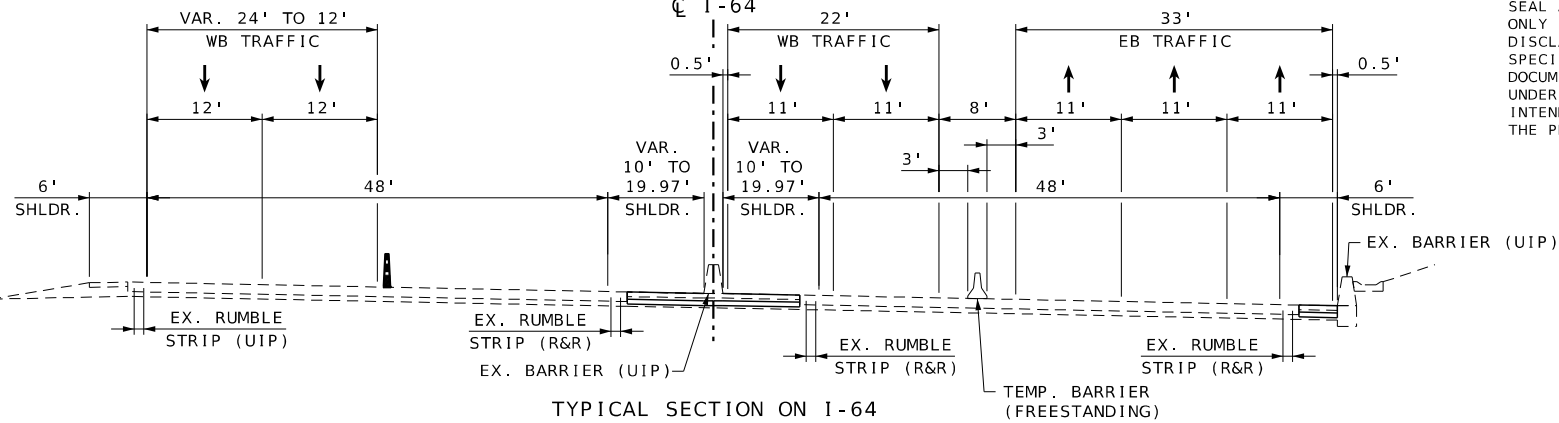
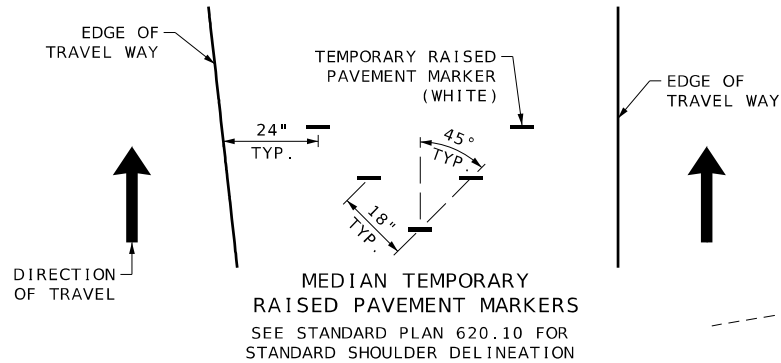


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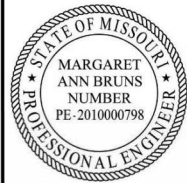
- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONGE-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL PLAN
STAGE 1
SHEET 4 OF 44

SCALE
0 50 100 150



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ROUTE
64

STATE
MO

DISTRICT
SL

SHEET NO.
19

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

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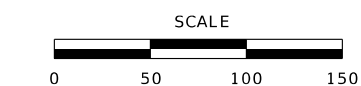
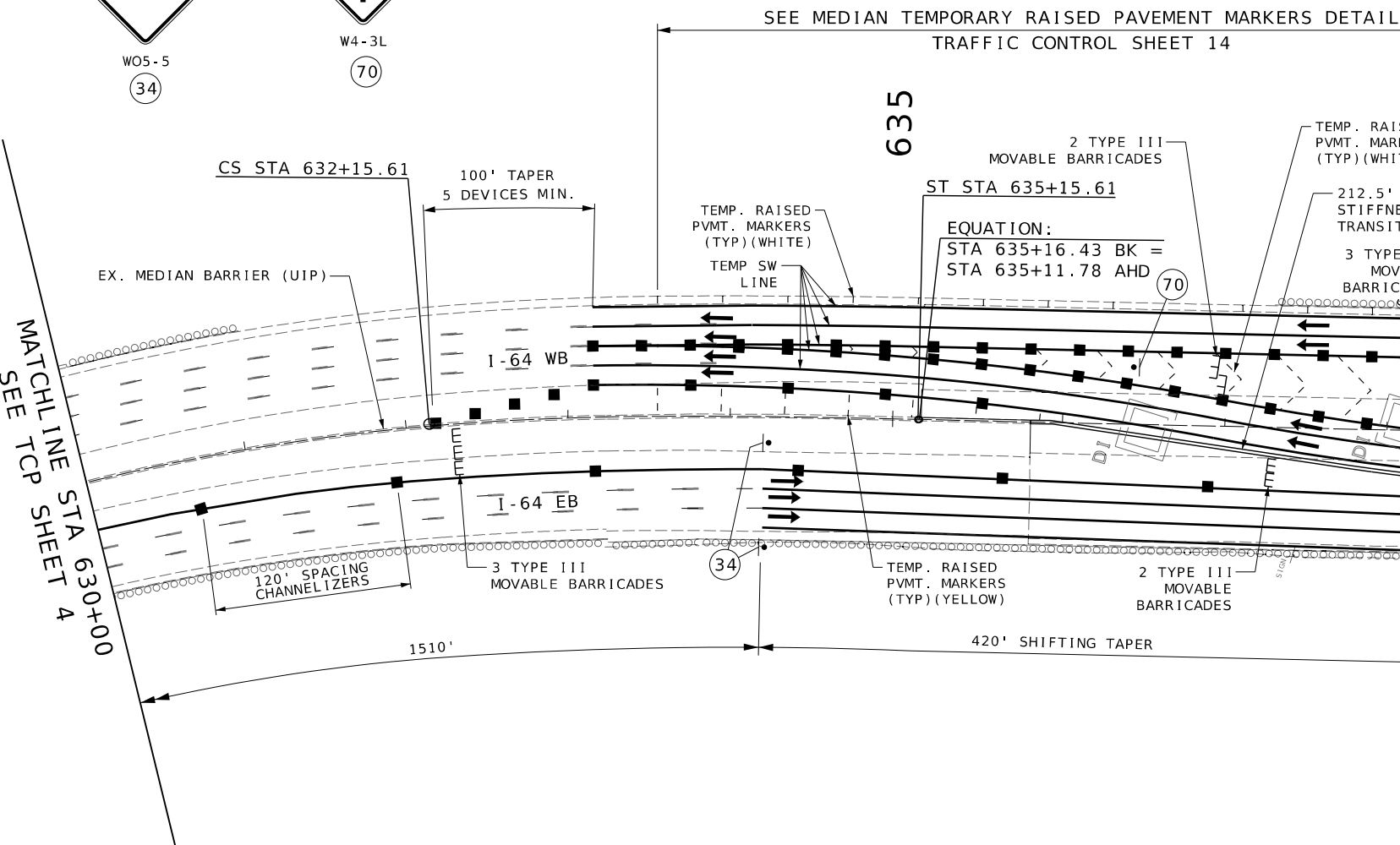
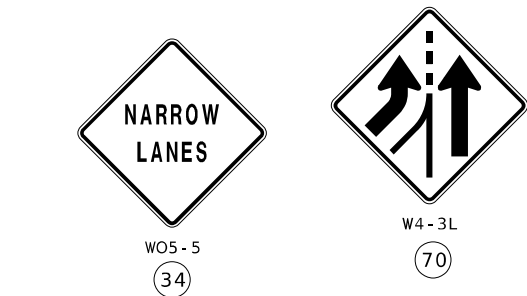
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DATE

DATE

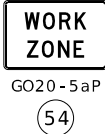
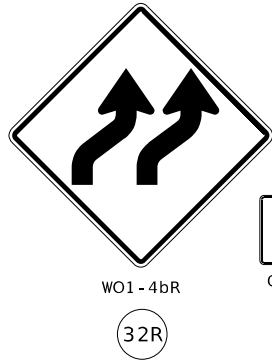
- TRAFFIC CONTROL LEGEND:
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 - DW 4" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 - SIGN (SINGLE SIDED)
 - CHANNELIZER
 - ▲ DIRECTION INDICATOR BARRICADE
 - ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
 - FLASHING ARROW PANEL
 - TYPE III MOVEABLE BARRICADE
 - CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 5 OF 44

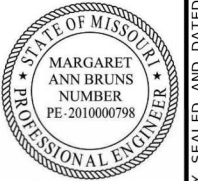
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St. Louis, MO 63021
Phone 314-394-3100
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COMMISSION
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



PI 650+21.95
PC 646+72.93
PT 653+70.40
Δ 5°42'31.9" (RT)
D 0°49'6.6"
L 697.47' (ARC)
T 349.02'
R 7,000.00'

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ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 20

COUNTY
ST LOUIS

JOB NO.
J613538

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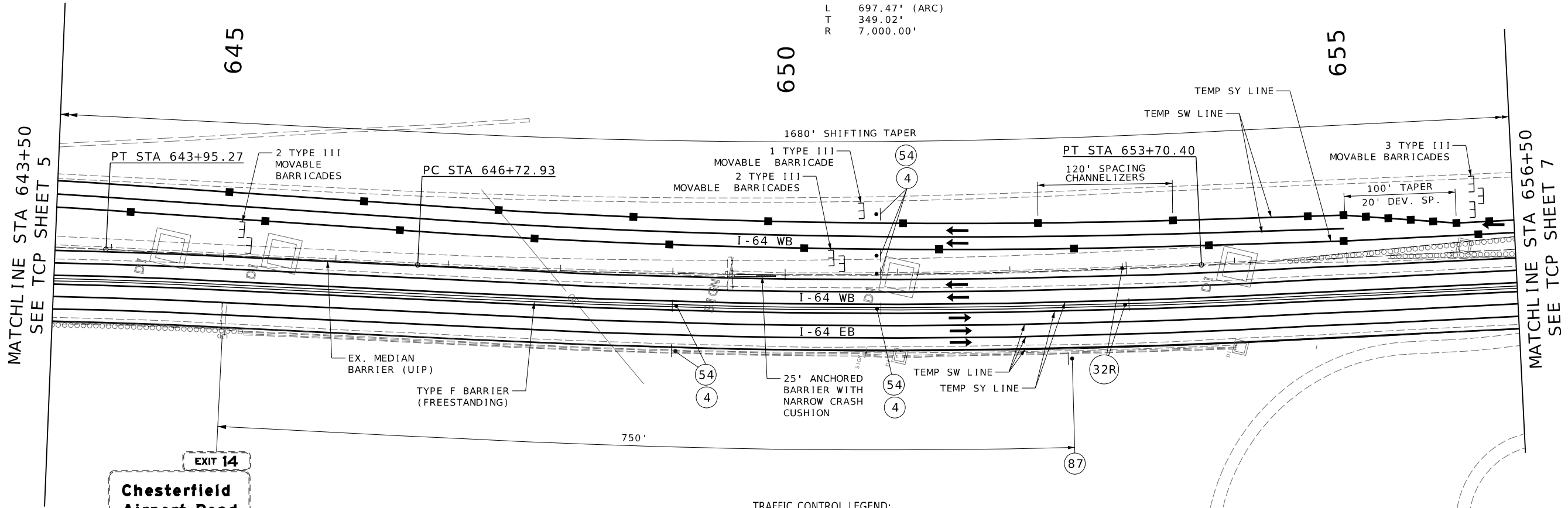
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BRIDGE NO.

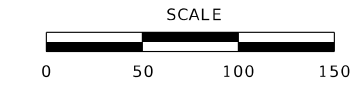
DESCRIPTION	DATE

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EFK Moen
Civil Engineering Design
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Missouri Certificate of Authority: 001578



- TRAFFIC CONTROL LEGEND:
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 - DW 4" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 - SIGN (SINGLE SIDED)
 - CHANNELIZER
 - ▲ DIRECTION INDICATOR BARRICADE
 - |||| TEMPORARY LONG-TERM RUMBLE STRIPS
 - FLASHING ARROW PANEL
 - TYPE III MOVEABLE BARRICADE
 - CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 6 OF 44



DATE PREPARED
8/9/2024

DISTRICT	SHEET NO.
SI	31

ST LOUIS

J613538
CONTRACT ID.

PROJECT NO.	
-------------	--

PROJECT NO. _____

BRIDGE NO.

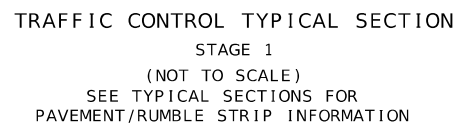
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

1. **Introduction**

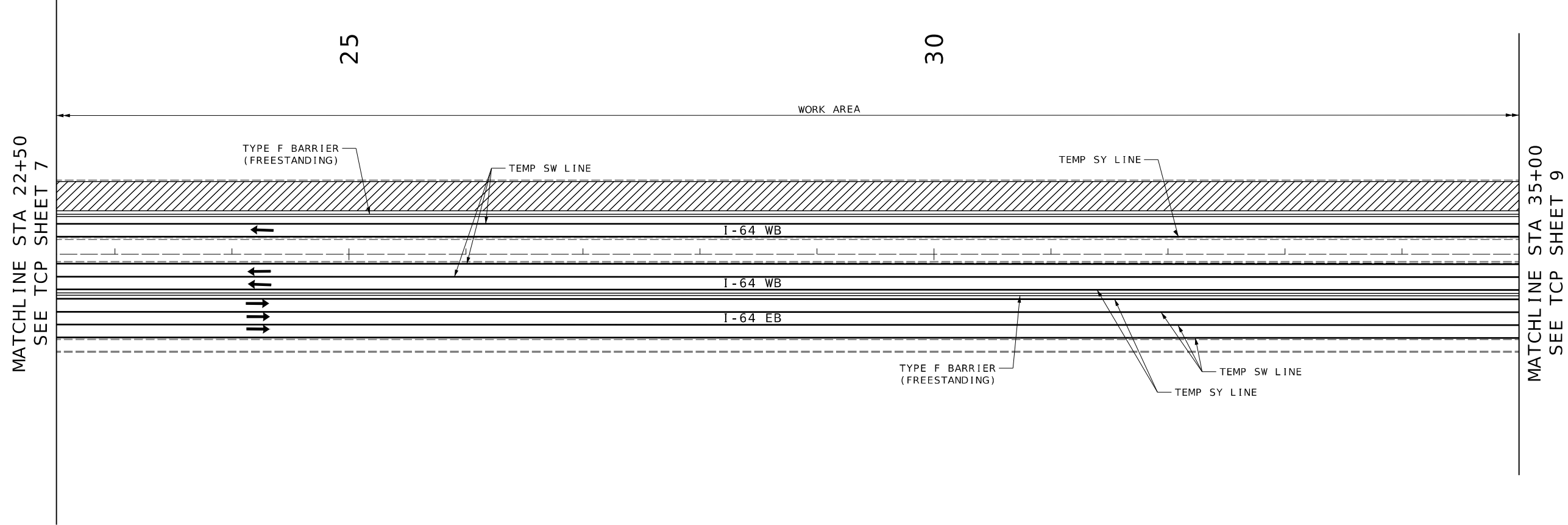
REV.



SCALE

0 50 100 150

TRAFFIC CONTROL PLAN
STAGE 1
SHEET 7 OF 44

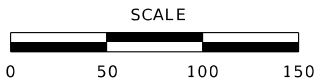


MATCHLINE STA 22+50
SEE TCP SHEET 7

MATCHLINE STA 35+00
SEE TCP SHEET 9

TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- | | | | TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 8 OF 44

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ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 22

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

EFK Moen
Civil Engineering Design

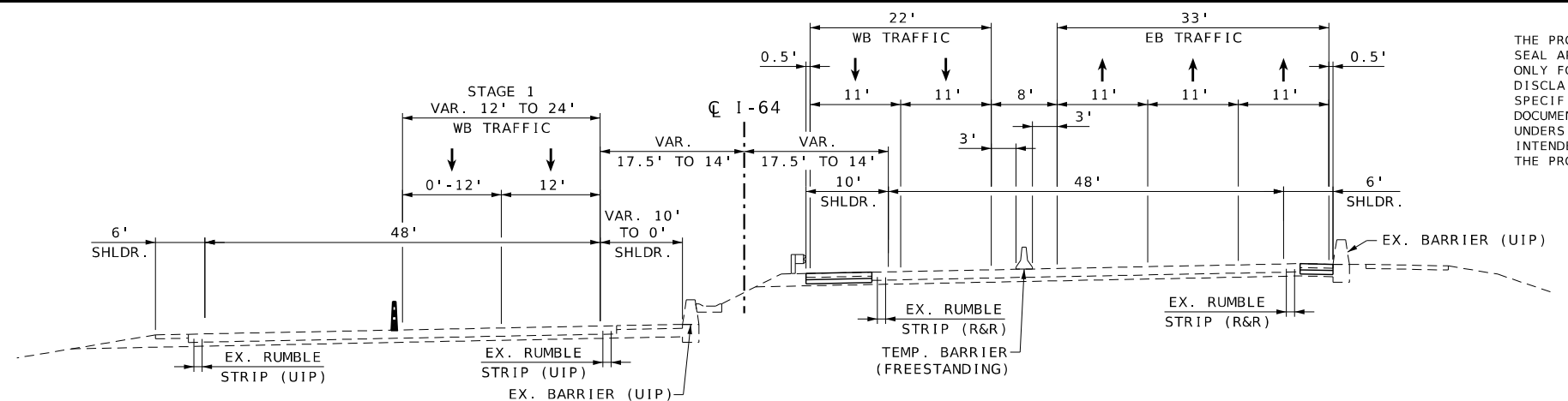
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021

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

Missouri Certificate of Authority: 001578

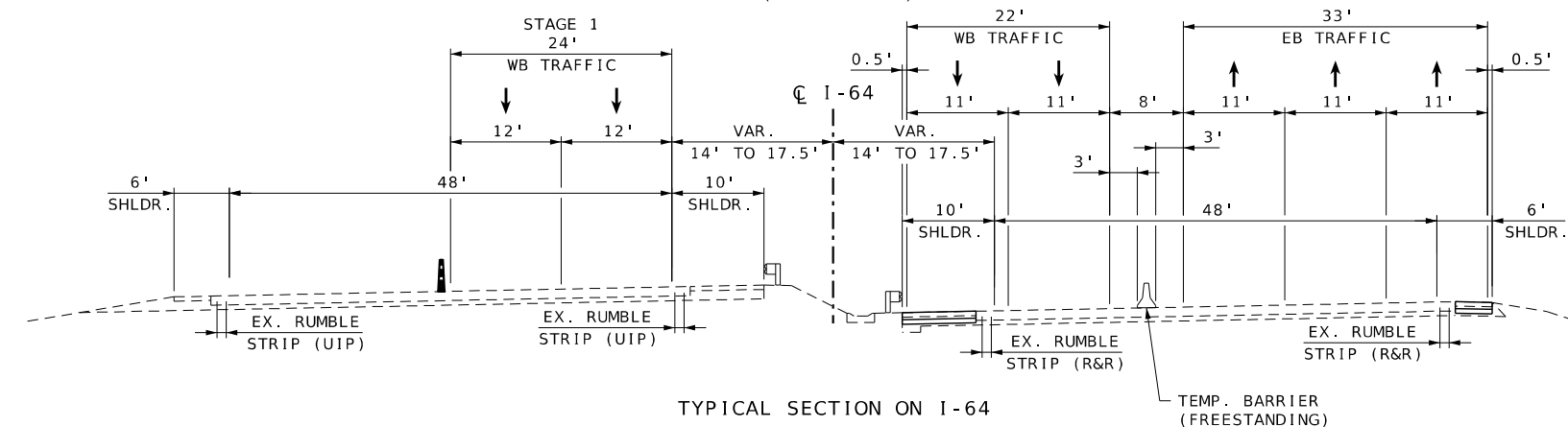
SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT

	CHANNELIZER
	DIRECTION INDICATOR BARRICADE
	TEMPORARY LONG-TERM RUMBLE STRIPS
	FLASHING ARROW PANEL
	TYPE III MOVEABLE BARRICADE
	CHANGEABLE MESSAGE SIGN

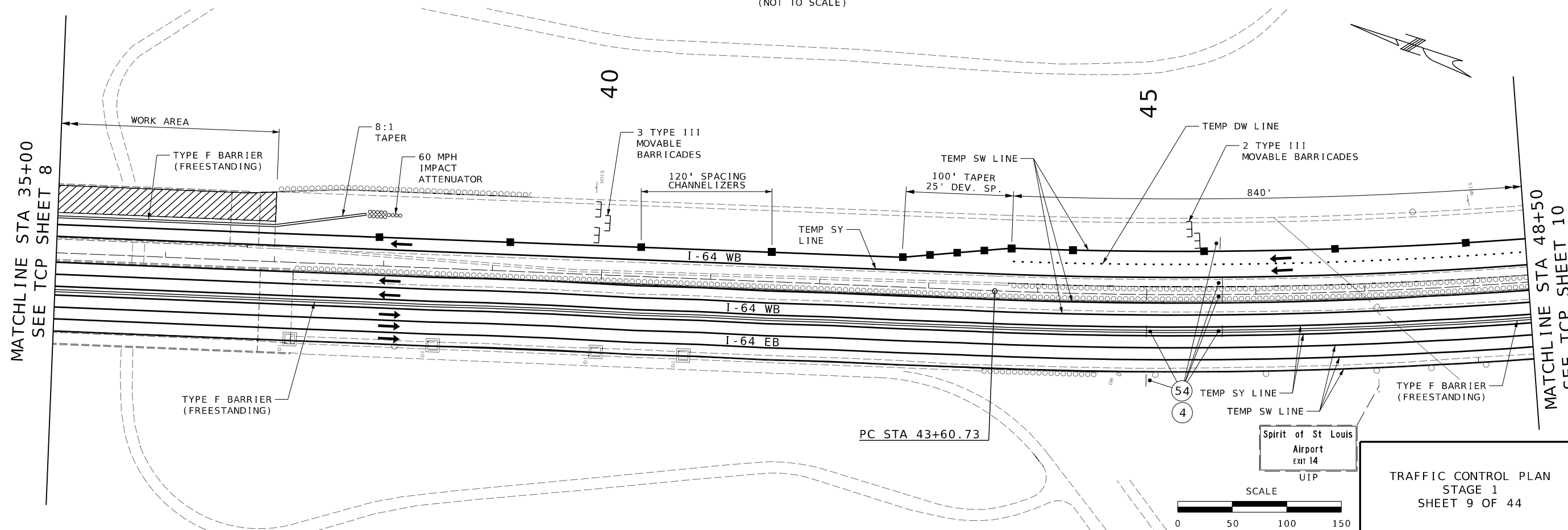


TYPICAL SECTION ON I-64
STA. 36+61.91 TO STA. 45+00.00
(NOT TO SCALE)

SEE TYPICAL SECTIONS FOR
PAVEMENT/RUMBLE STRIP INFORMATION



TYPICAL SECTION ON I-64
STA. 45+00.00 TO STA. 50+50.00
(NOT TO SCALE)

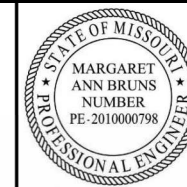


TRAFFIC CONTROL PLAN
STAGE 1
SHEET 9 OF 44

O:\2021R2\MoDOT ORD v10.10.01.03\23009 MoDOT J613538 1-64 WB over MO River\DGN\Roadway\Final\Plotsheets\014-028 TC 01-15 J613538 i50 Stage 1.dgn 6:36:27 PM 8/9/2024

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Margaret Ann Bruns - Civil
MO PE-2010000798

DATE PREPARED
8/9/2024

ROUTE 64	STATE MO
-------------	-------------

DISTRICT	SHEET NO
SL	23

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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JEFFERSON CITY, MO 65102

EFK Moen
Civil Engineering Design

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

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

[illegible]

REV.

SW/SY:	4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
DW	4" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
•	SIGN (SINGLE SIDED)
■	CHANNELIZER
▲	DIRECTION INDICATOR BARRICADE
	TEMPORARY LONG-TERM RUMBLE STRIPS
	FLASHING ARROW PANEL
	TYPE III MOVEABLE BARRICADE
	CHANGEABLE MESSAGE SIGN



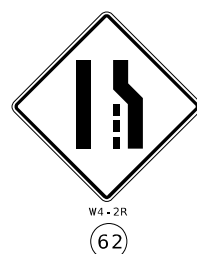
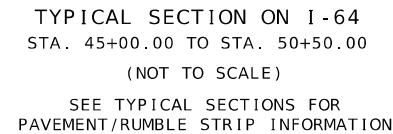
1	2	3	4	5	6	7	8



K **engin** **ett Pa** **10 63** **ertific**

20 PM 8/8/2024

8:28 PM 8/9/2024



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 10 OF 44

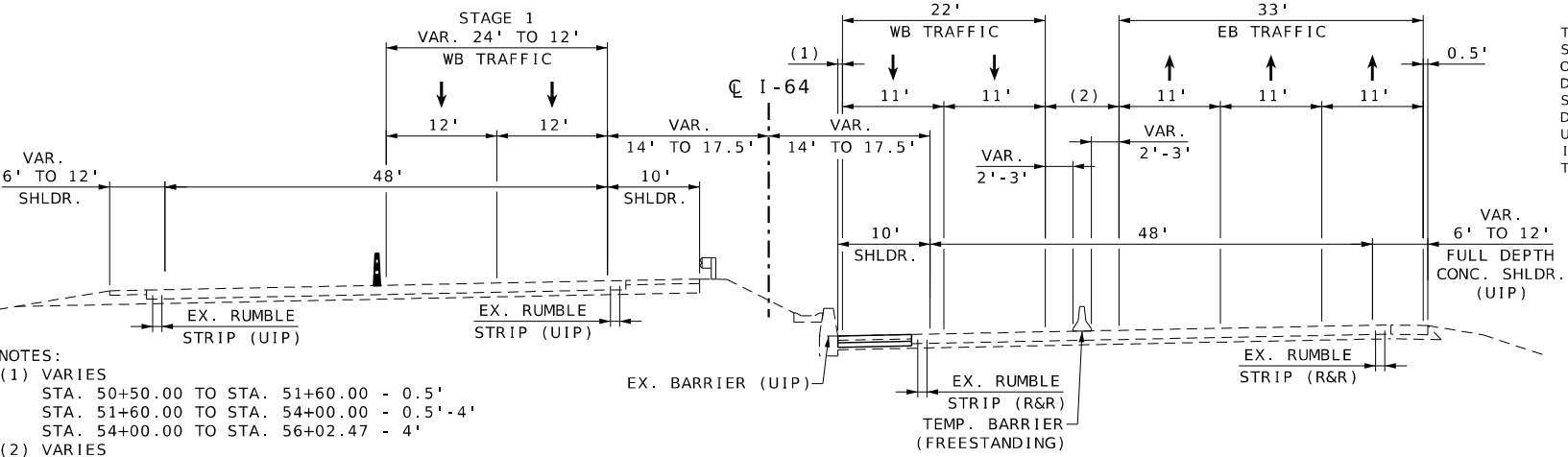
SCALE



0 50 100 150

TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN



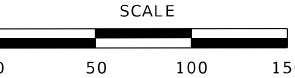
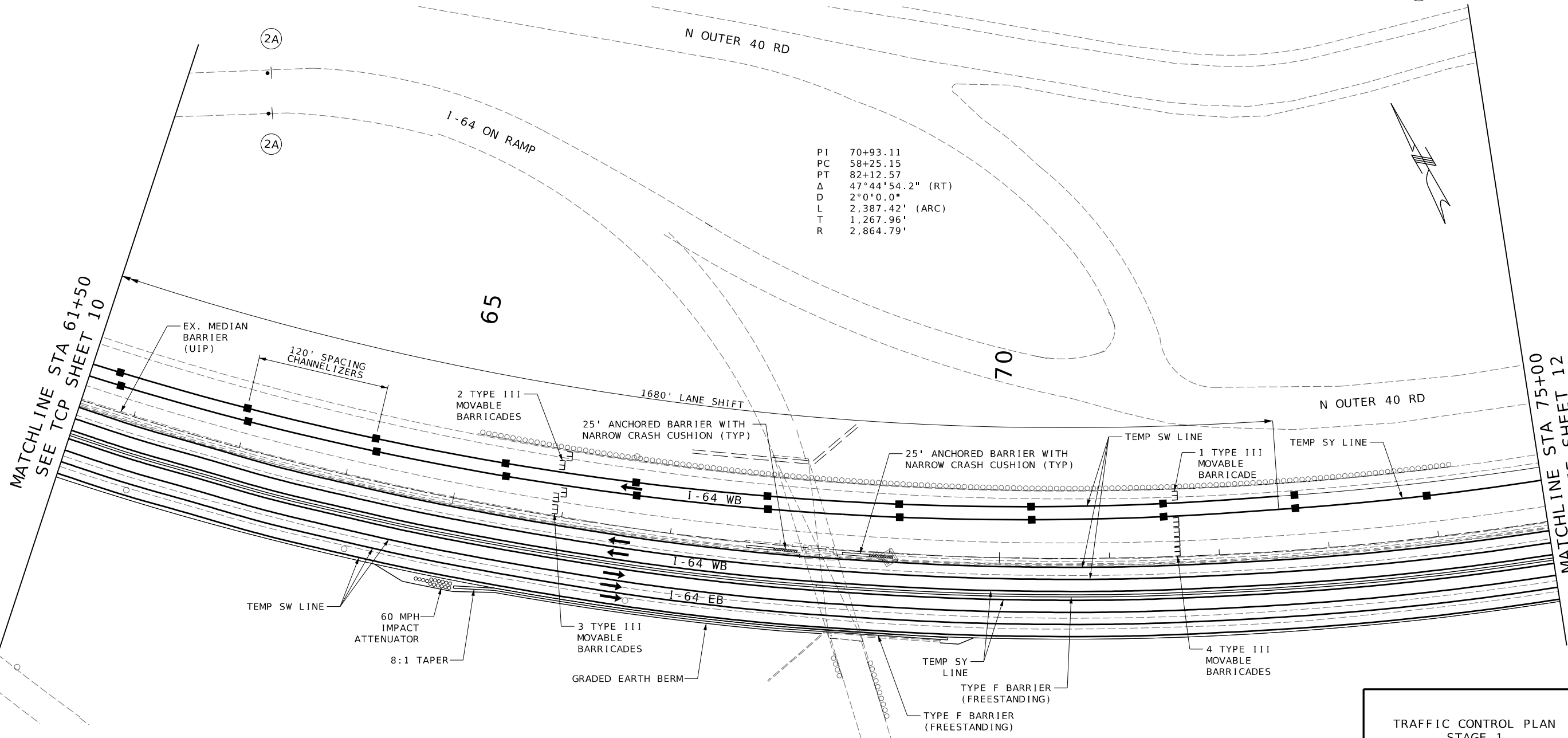
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BRIDGE
OR
RAMP

WO20-1
(2A)

PI 70+93.11
PC 58+25.15
PT 82+12.57
Δ 47°44'54.2" (RT)
D 2°0'10.0"
L 2,387.42' (ARC)
T 1,267.96'
R 2,864.79'



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 11 OF 44



DATE PREPARED 8/9/2024	
ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 25
COUNTY ST LOUIS	
JOB NO. J613538	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

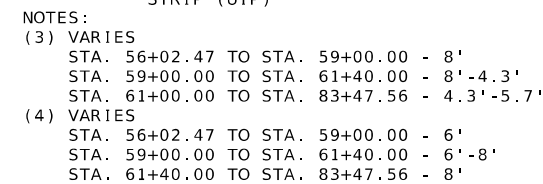
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

EFK Moen
Civil Engineering Design

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St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



SEE TYPICAL SECTIONS FOR
PAVEMENT/RUMBLE STRIP INFORMATION

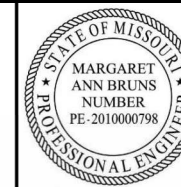
SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT

DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT

- | | |
|---|-----------------------------------|
|  | SIGN (SINGLE SIDED) |
|  | CHANNELIZER |
|  | DIRECTION INDICATOR BARRICADE |
|  | TEMPORARY LONG-TERM RUMBLE STRIPS |
|  | FLASHING ARROW PANEL |
|  | TYPE III MOVEABLE BARRICADE |
|  | CHANGEABLE MESSAGE SIGN |

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MO PE-2010000798

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8/9/2024

ROUTE 64	STATE MO
-------------	-------------

DISTRICT	SHEET NO.
SL	26

COUNTY
ST LOUIS

JOB NO.
1613538

CONTRACT ID.	
--------------	--

PROJECT NO.

BRIDGE NO.

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102

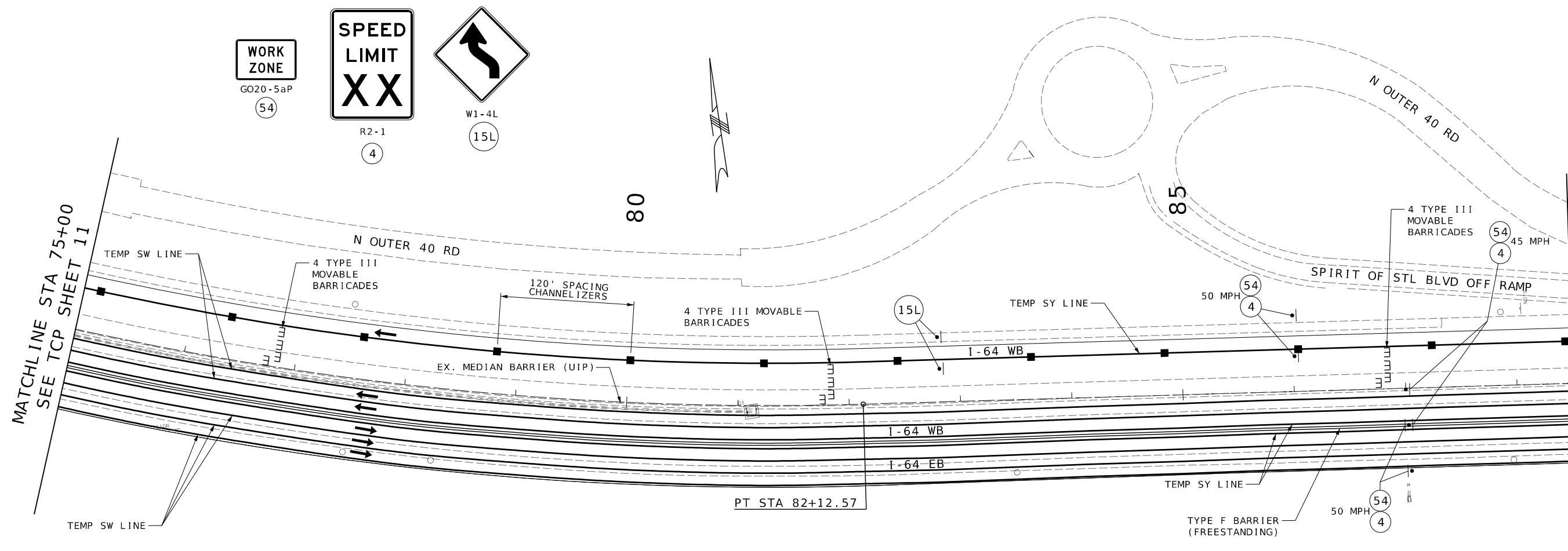
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Fax 314-394-3199

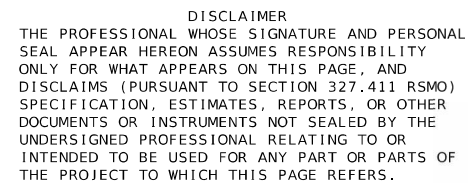
[illegible]

REV.



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 12 OF 44

A horizontal scale bar labeled "SCALE" at the top center. Below the label, the bar is marked with numbers 0, 50, 100, and 150 at regular intervals. The bar is divided into three equal segments of 50 units each.



(NOT TO SCALE)

SEE TYPICAL SECTIONS FOR
PAVEMENT/RUMBLE STRIP INFORMATION



SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT

DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT

- SIGN (SINGLE SIDED)

■ CHANNELIZER

▲ DIRECTION INDICATOR BARRICADE

| | | | TEMPORARY LONG-TERM RUMBLE STRIPS

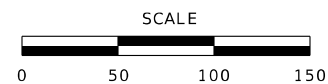
 FLASHING ARROW PANEL

TYPE III MOVEABLE BARRICADE

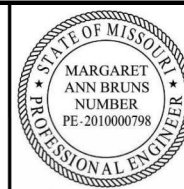
CHANGEABLE MESSAGE SIGN



33L



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 13 OF 44



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Margaret Ann Bruns - Civil
MO PE-2010000798

DATE PREPARED

8/9/2024

ROUTE	STATE
64	MO

DISTRICT	SHEET NO
SL	27

COUNTY

ST LOUIS

JOB NO.

J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

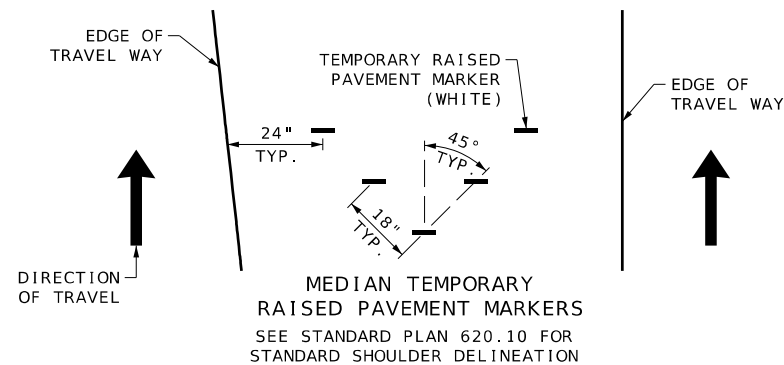
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13523 Barrett Parkway Dr
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Phone 314-394-3100
Fax 314-394-3199
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REV.



BRIDGE NO.



Lineo
Parkway
6302

:31 PM 8/9/202

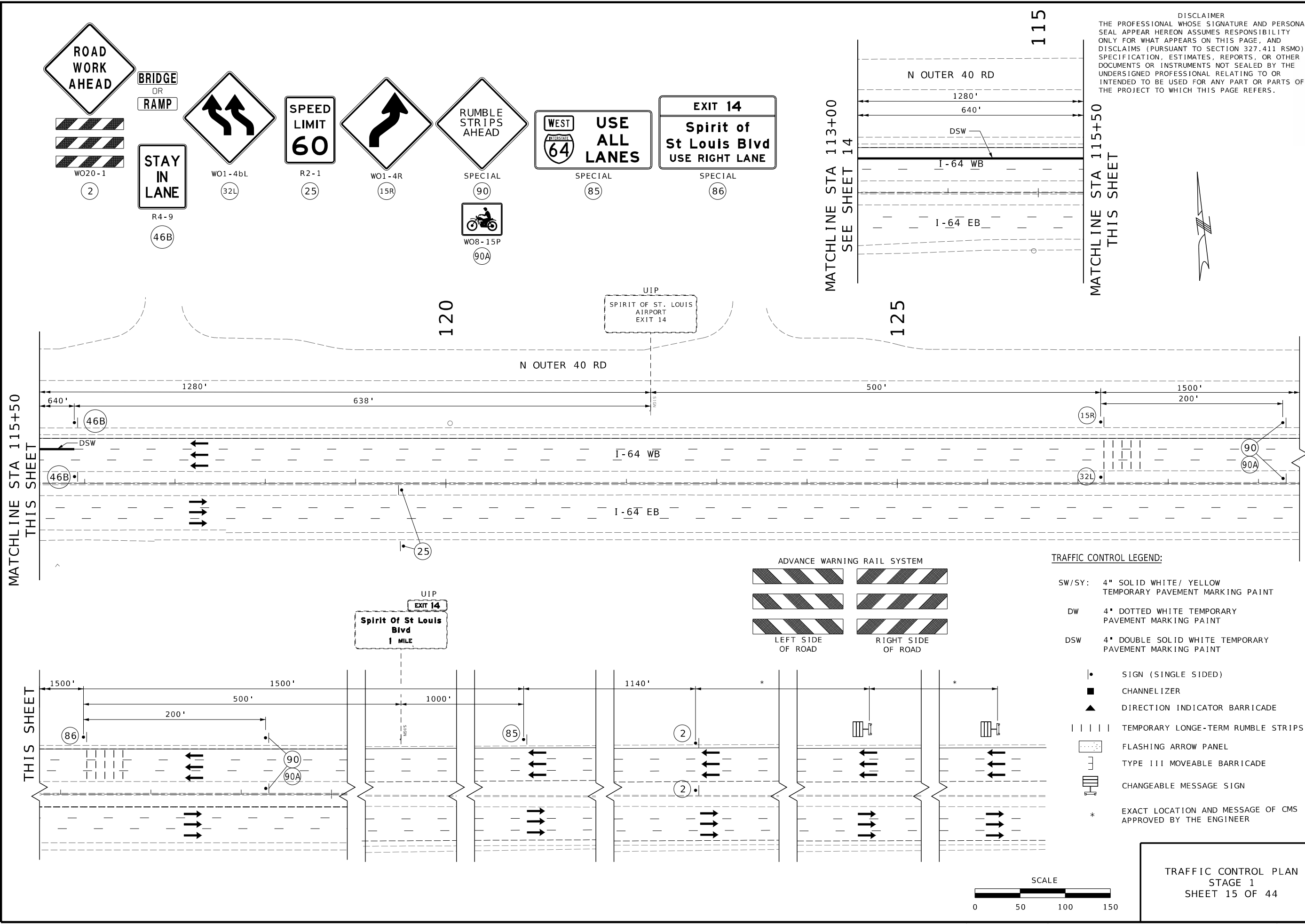
REV.



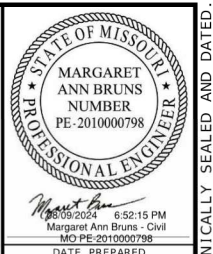
TRAFFIC CONTROL PLAN
STAGE 1
SHEET 14 OF 44

SCALE

0 50 100 150



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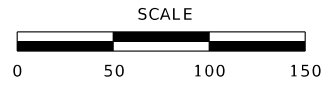
DATE PREPARED 8/9/2024	
ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 29
COUNTY ST LOUIS	
JOB NO. J613538	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

- TRAFFIC CONTROL LEGEND:
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
 - DW 4" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
 - DSW 4" DOUBLE SOLID WHITE TEMPORARY PAVEMENT MARKING PAINT
 - SIGN (SINGLE SIDED)
 - CHANNELIZER
 - ▲ DIRECTION INDICATOR BARRICADE
 - ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
 - FLASHING ARROW PANEL
 - TYPE III MOVEABLE BARRICADE
 - CHANGEABLE MESSAGE SIGN
 - * EXACT LOCATION AND MESSAGE OF CMS APPROVED BY THE ENGINEER



TRAFFIC CONTROL PLAN
STAGE 1
SHEET 15 OF 44



WO20-1
(2)



BRIDGE
OR
RAMP

WO20-1
(2A)



WO20-5
(5)



SPECIAL
(90)



WO8-15P
(90A)



WO20-6a
(6)

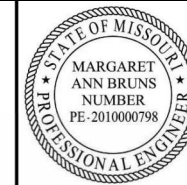


WO4-1aR
(6A)

TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN
- * EXACT LOCATION AND MESSAGE OF CMS
APPROVED BY THE ENGINEER

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8/9/2024

ROUTE 64 STATE MO

DISTRICT SL SHEET NO. 30

COUNTY ST LOUIS

JOB NO. J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

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

MoDOT

EFK Moen

Civil Engineering Design

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

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

Missouri Certificate of Authority: 001578

TRAFFIC CONTROL PLAN
STAGE 2
SHEET 16 OF 44

SCALE
0 50 100 150

ORDER OF WORK:

PRIOR TO TRAFFIC SHIFT -
PAVEMENT REPLACEMENT OF SHOULDERS SHALL BE COMPLETED.
TEMPORARY FULL DEPTH PAVEMENT WIDENING AND GRADING FOR
IMPACT ATTENUATORS AND TEMPORARY BARRIER SHALL BE
CONSTRUCTED.

INLETS, PIPES AND SLOTTED DRAINS SHALL BE CLEANED OUT.
GRATES SHALL BE WELDED TO THEIR FRAMES.
PARTIAL DEPTH PAVEMENT REPAIR FOR EXISTING RUMBLE STRIPS
SHALL BE COMPLETED.

AFTER BRIDGE REHAB IS COMPLETED AND TRAFFIC IS RESTORED TO
EXISTING CONDITIONS -
THE TEMPORARY FULL DEPTH WIDENING SHALL BE REMOVED AND THE
GRADING RESTORED TO EXISTING CONDITIONS.

GENERAL TRAFFIC CONTROL NOTES:

1. ANY EXISTING SIGN THAT CONFLICTS WITH THE
TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY
COVERED OR REMOVED AT NO DIRECT PAY.

2. PLACEMENT OF TRAFFIC CONTROL SIGNS ARE
APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD
CONDITIONS AS APPROVED BY THE ENGINEER.

3. SIGN AND DEVICE LOCATIONS SHALL BE FIELD
VERIFIED AND APPROVED BY THE ENGINEER.

4. NO DIRECT PAY WILL BE MADE FOR THE RELOCATION
OR TEMPORARY MOUNTING OF EXISTING SIGNS
DISPLACED BY THE TEMPORARY WIDENING. METHOD OF
TEMPORARY MOUNTING AND LOCATION OF THESE SIGNS
TO BE APPROVED BY THE ENGINEER.

SEE TCP SHEET 17

2640'

1500'

1000'

200'

CS STA 582+77.23

TECHNOLOGY DR W

ROUTE 94 OFF RAMP

ROUTE 94

I-64 WB

I-64 EB

I-64 ON RAMP

RESEARCH PARK DR

ADVANCE WARNING RAIL SYSTEM

LEFT SIDE OF ROAD

RIGHT SIDE OF ROAD

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

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DATE PREPARED
8/9/2024

ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 31

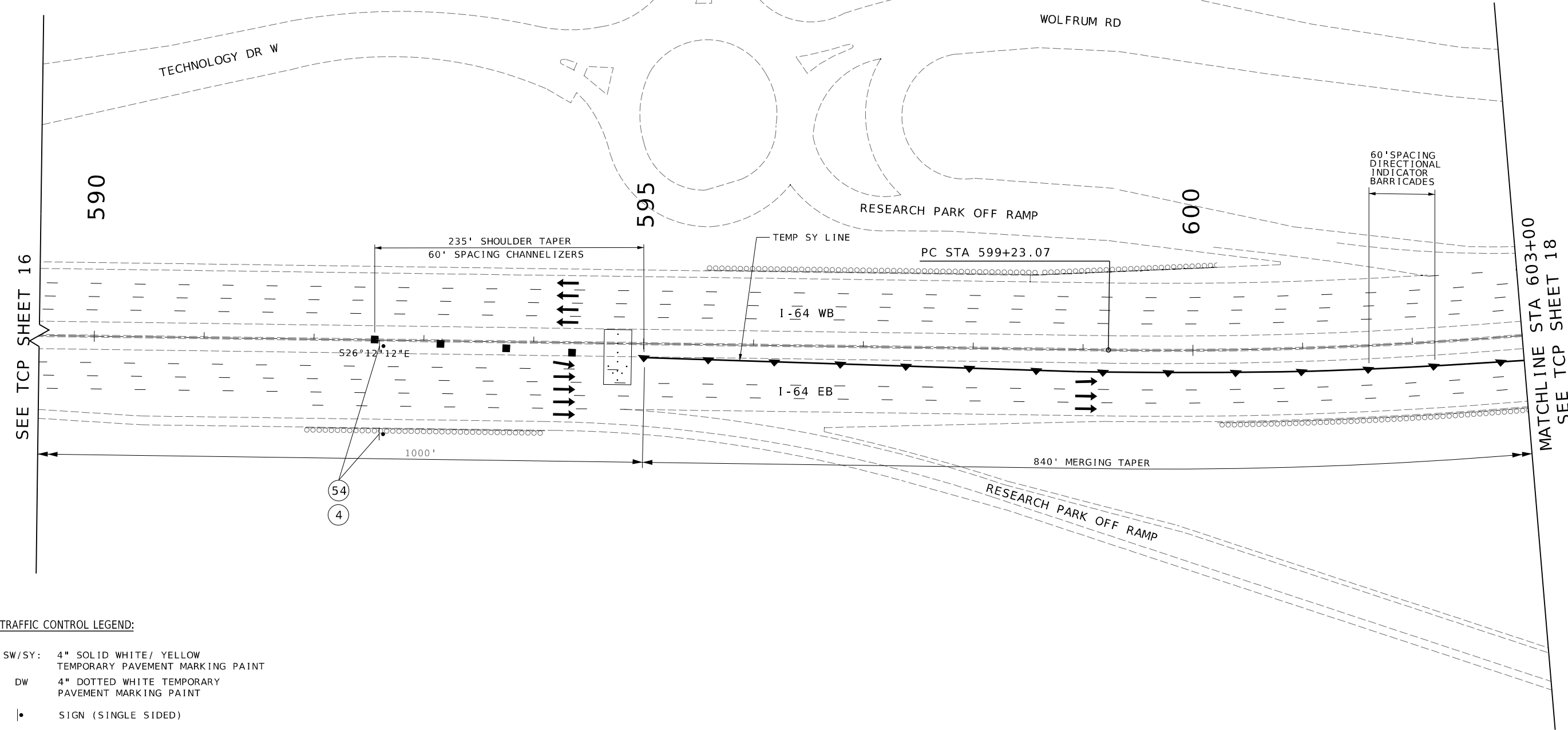
COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

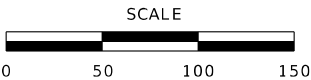
PROJECT NO.

BRIDGE NO.



TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL PLAN
STAGE 2
SHEET 17 OF 44

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
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SPEED
LIMIT

60

R2-1

(25)

EAST

INTERSTATE
64

USE
ALL
LANES

SPECIAL

(87)

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DATE PREPARED
8/9/2024

ROUTE
64

DISTRICT
SL

STATE
MO

SHEET NO.
33

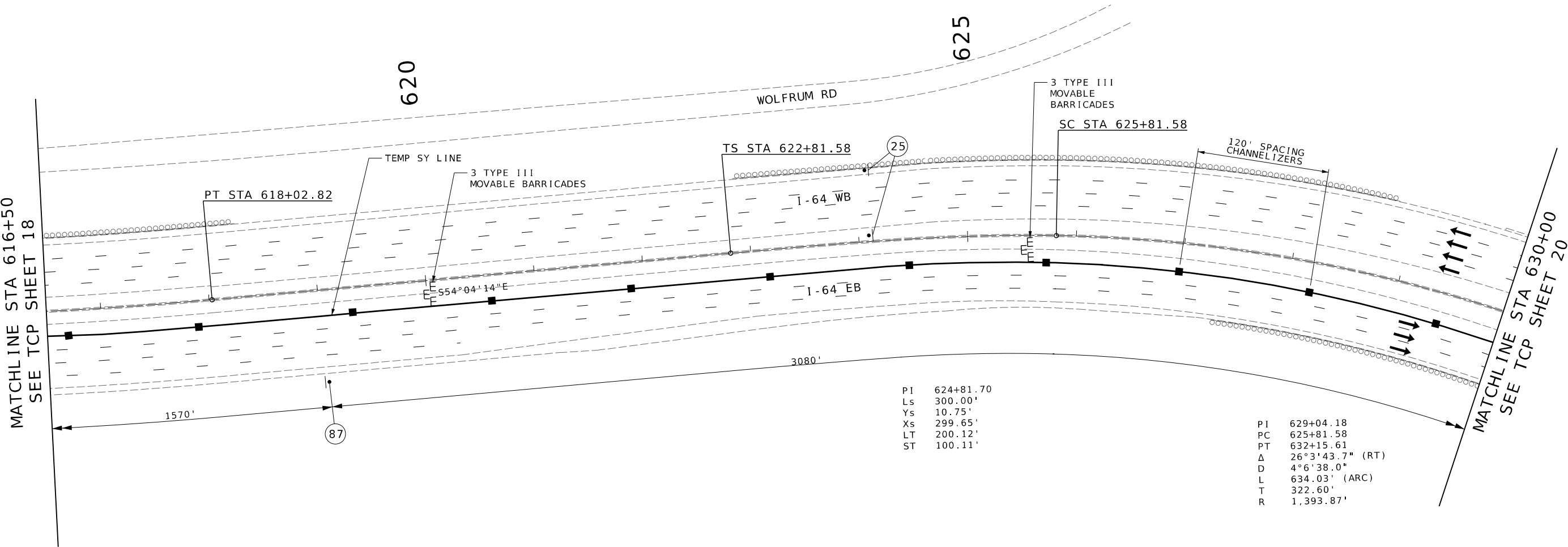
COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

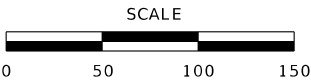


TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN

PI 624+81.70
LS 300.00'
YS 10.75'
XS 299.65'
LT 200.12'
ST 100.11'

PI 629+04.18
PC 625+81.58
PT 632+15.61
Δ 26°3'43.7" (RT)
D 4°6'38.0"
L 634.03' (ARC)
T 322.60'
R 1,393.87'



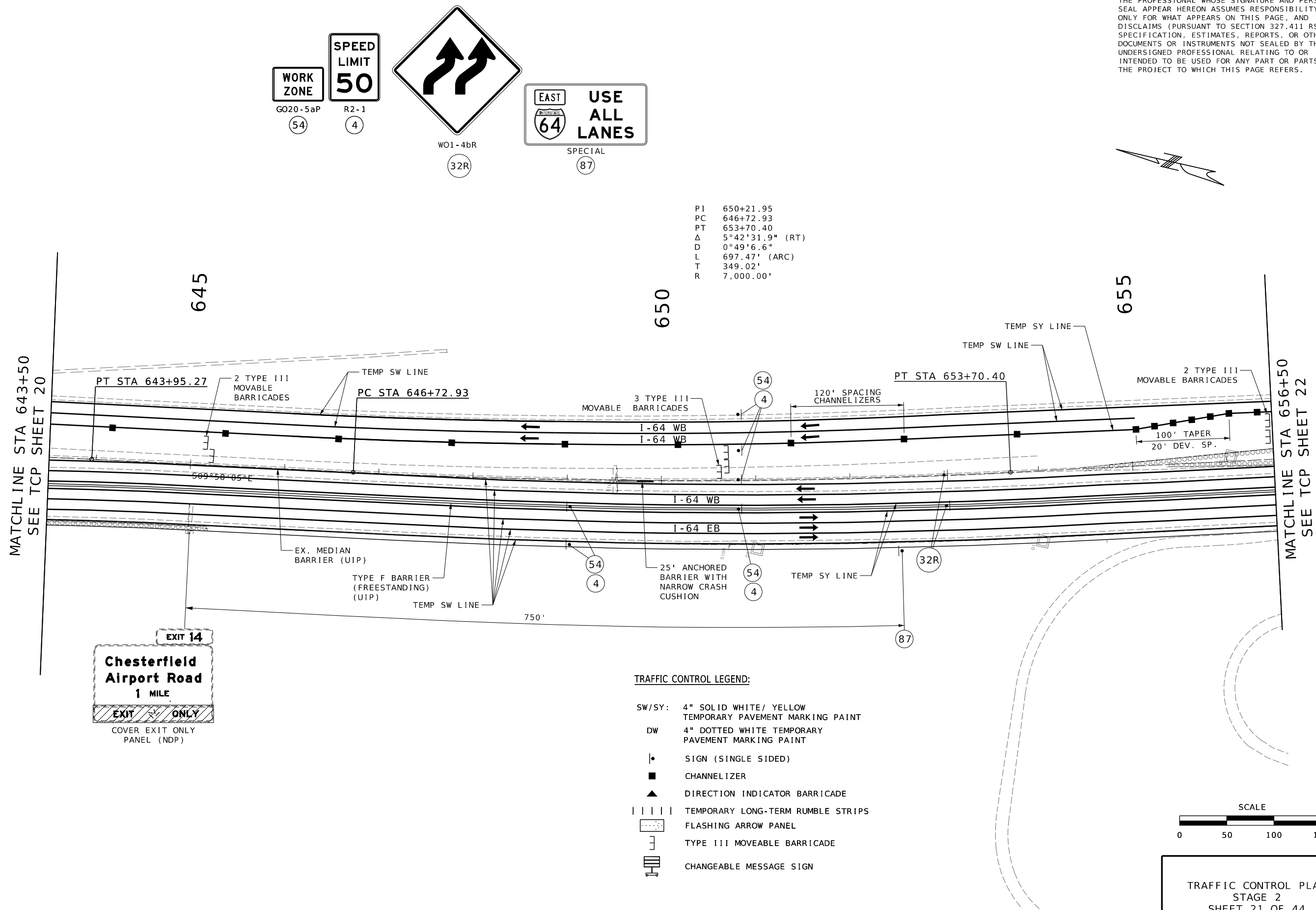
TRAFFIC CONTROL PLAN
STAGE 2
SHEET 19 OF 44

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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



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Margaret Ann Bruns - Civil
MO PE-2010000798

ROUTE	STATE
64	MO

DISTRICT	SHEET NO.
SI	35

COUNTY
ST. LOUIS

JOB NO.
1613538

1613538
CONTRACT ID.

PROJECT NO.

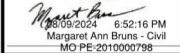
BRIDGE NO.

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JEFF MOEN
Civil Engineering Design

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

REV.



8/9/2024

64	MO
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SL	36
----	----

ST LOUIS

J6I3538

[illegible]

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

BRIDGE 101



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT, 735 651263

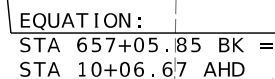
EFFK♦Moen
Civil Engineering Design
3523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

1993

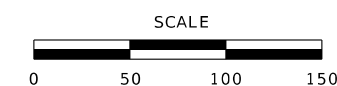
REV.



20



	SIGN (SINGLE SIDED)
	CHANNELIZER
	DIRECTION INDICATOR BARRICADE
	TEMPORARY LONG-TERM RUMBLE STRIPS
	FLASHING ARROW PANEL
	TYPE III MOVEABLE BARRICADE
	CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL PLAN
STAGE 2
SHEET 22 OF 44

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DATE PREPARED
8/9/2024

ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 37

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

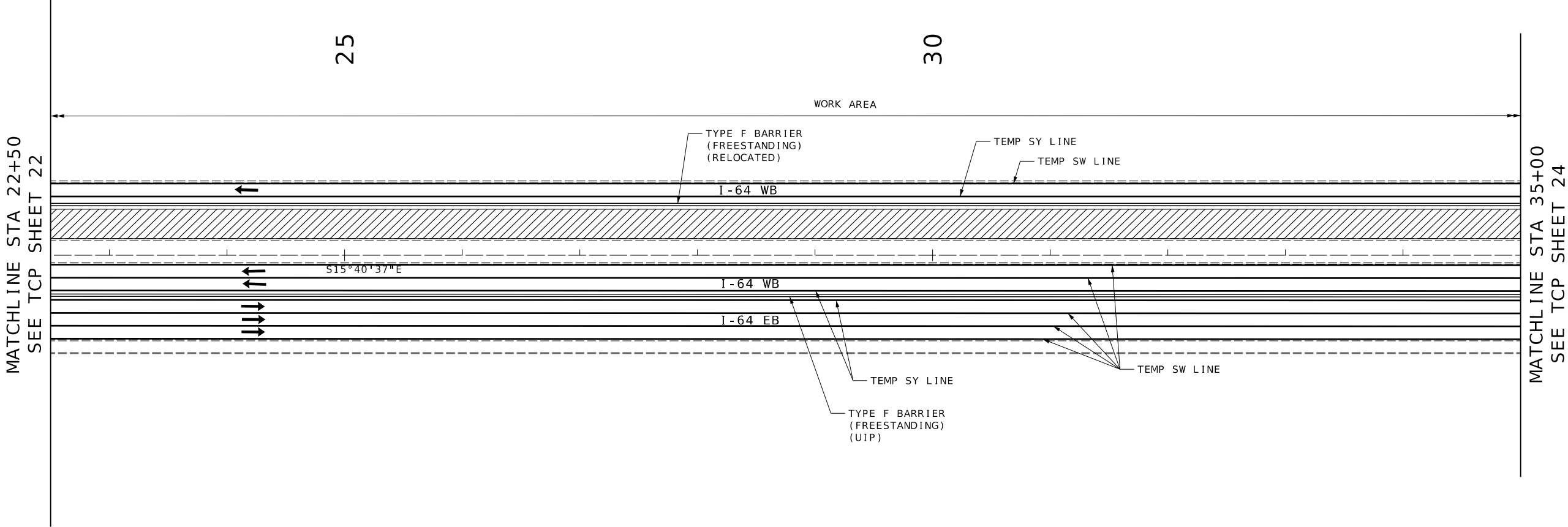
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

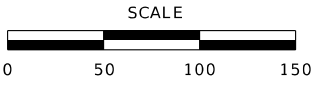
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

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



TRAFFIC CONTROL LEGEND:

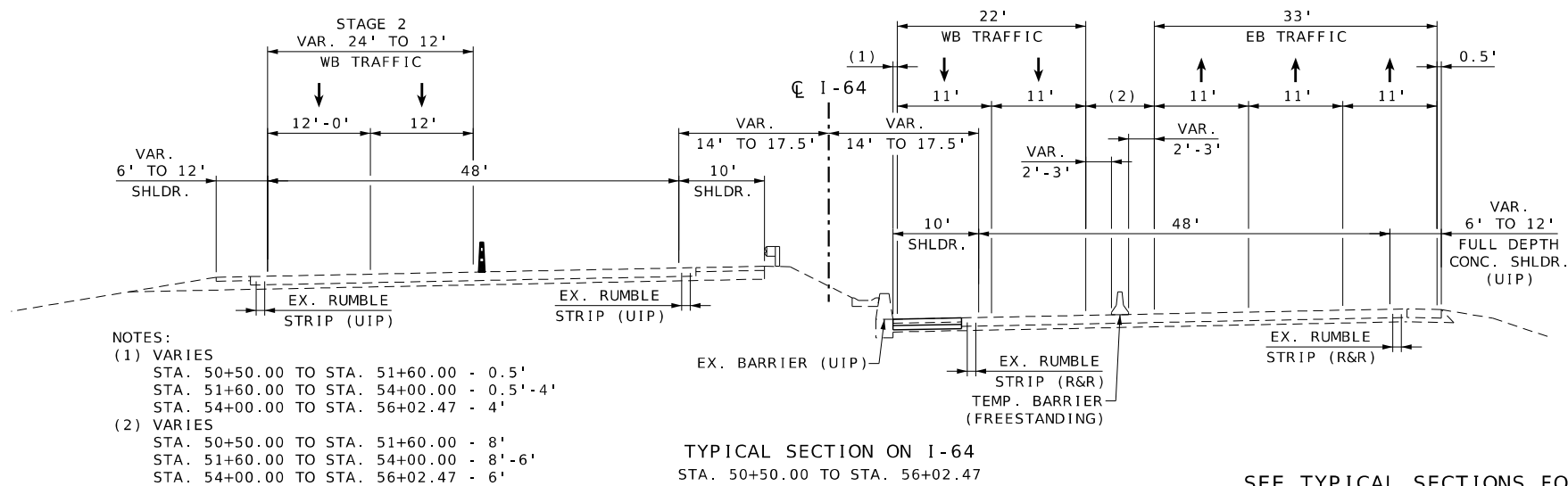
- SW/SY: 4" SOLID WHITE/ YELLOW TEMPORARY PAVEMENT MARKING PAINT
- DW: 4" DOTTED WHITE TEMPORARY PAVEMENT MARKING PAINT
- : SIGN (SINGLE SIDED)
- : CHANNELIZER
- ▲: DIRECTION INDICATOR BARRICADE
- | | | | : TEMPORARY LONG-TERM RUMBLE STRIPS
- ⬇: FLASHING ARROW PANEL
- ⌋: TYPE III MOVEABLE BARRICADE
- ⌋⌋: CHANGEABLE MESSAGE SIGN



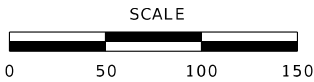
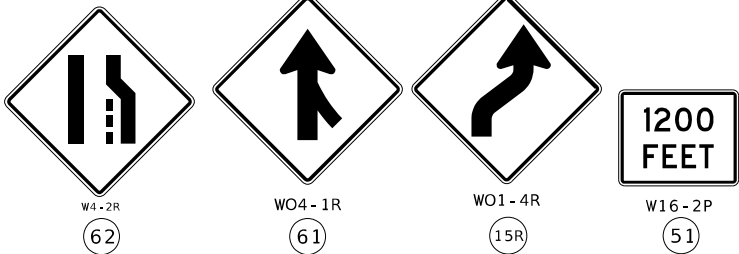
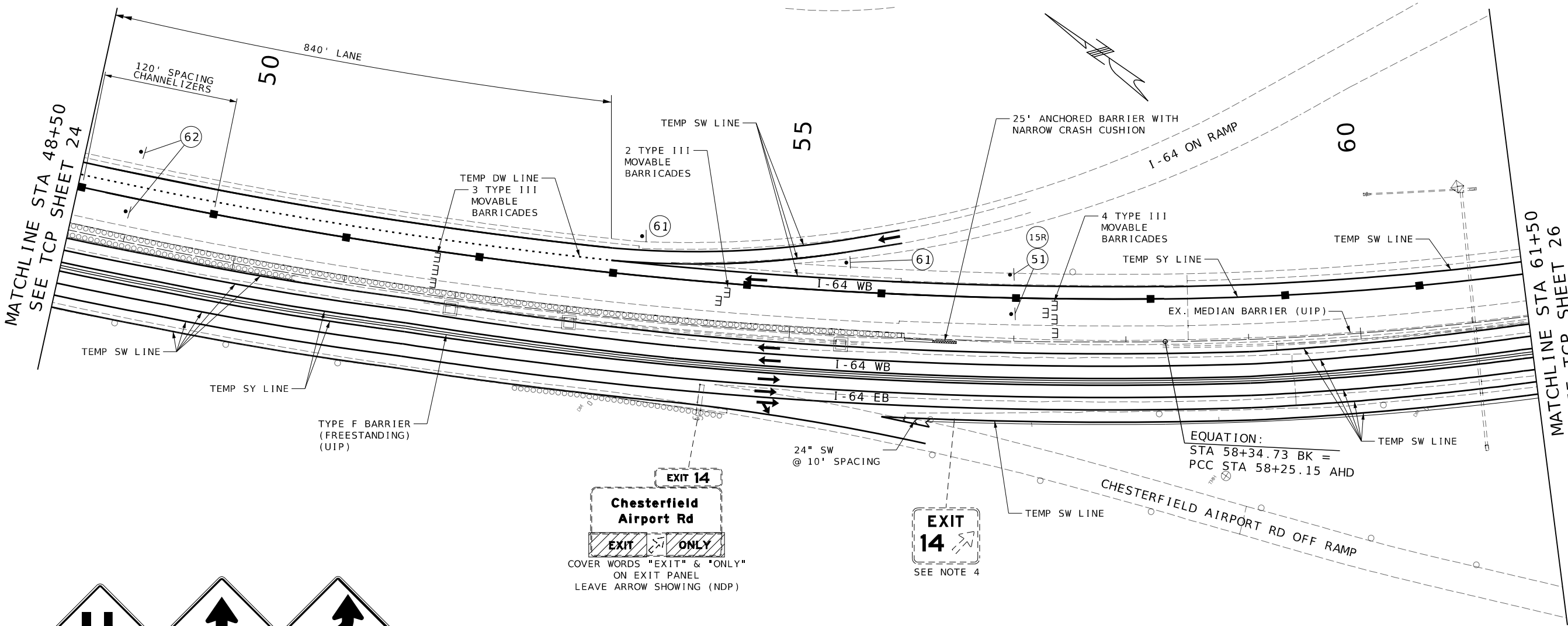
TRAFFIC CONTROL PLAN
STAGE 2
SHEET 23 OF 44

TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN



SEE TYPICAL SECTIONS FOR
PAVEMENT/RUMBLE STRIP INFORMATION



TRAFFIC CONTROL PLAN
STAGE 2
SHEET 25 OF 44

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DATE PREPARED
8/9/2024

ROUTE
64

STATE
MO

DISTRICT
SL

SHEET NO.
39

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

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

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

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

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

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

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

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

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

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

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

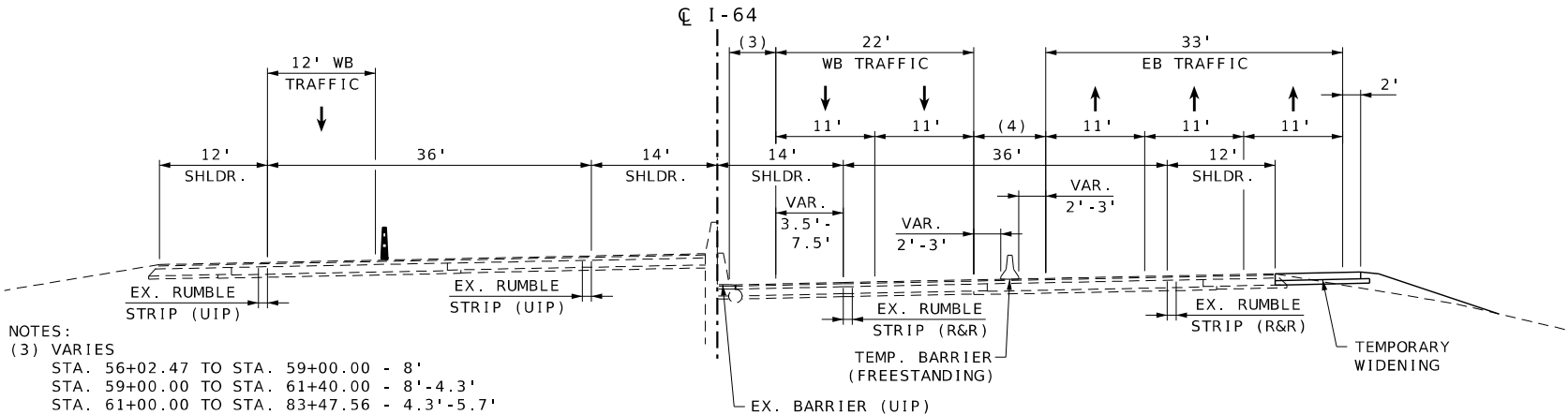
1-888-ASK-MODOT (1-888-275-6636)

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

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

TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN



- NOTES:
- (3) VARIES
- STA. 56+02.47 TO STA. 59+00.00 - 8'
- STA. 59+00.00 TO STA. 61+40.00 - 8'-4.3'
- STA. 61+00.00 TO STA. 83+47.56 - 4.3'-5.7'
- (4) VARIES
- STA. 56+02.47 TO STA. 59+00.00 - 6'
- STA. 59+00.00 TO STA. 61+40.00 - 6'-8'
- STA. 61+40.00 TO STA. 83+47.56 - 8'

TYPICAL SECTION ON I-64
STA. 56+02.47 TO STA. 83+47.56

(NOT TO SCALE)

SEE TYPICAL SECTIONS FOR
PAVEMENT/RUMBLE STRIP INFORMATION

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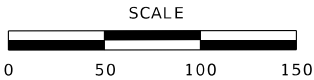
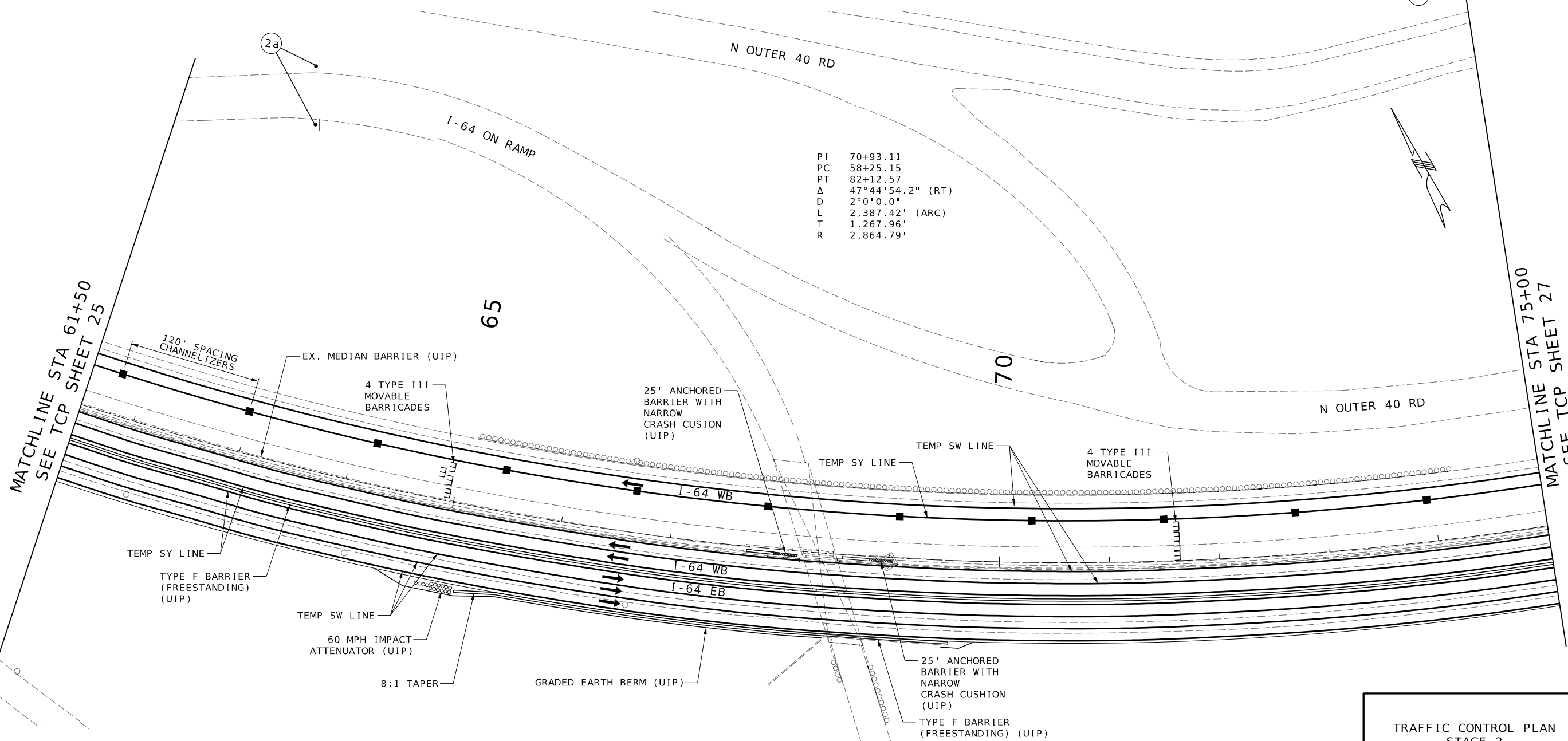


BRIDGE
OR
RAMP

WO20-1

(2a)

PI 70+93.11
PC 58+25.15
PT 82+12.57
Δ 47°44'54.2" (RT)
D 2°0'10.0"
L 2,387.42' (ARC)
T 1,267.96'
R 2,864.79'



TRAFFIC CONTROL PLAN
STAGE 2
SHEET 26 OF 44



DATE PREPARED
8/9/2024

ROUTE 64 STATE MO

DISTRICT SL SHEET NO. 40

COUNTY ST LOUIS

JOB NO. J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

MoDOT

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

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

Missouri Certificate of Authority: 001578

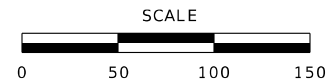
REV.

MATCHLINE STA 88+50
SEE TCP SHEET 27



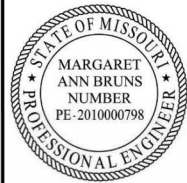
TRAFFIC CONTROL LEGEND:

- SW/SY: 4" SOLID WHITE/ YELLOW
TEMPORARY PAVEMENT MARKING PAINT
- DW 4" DOTTED WHITE TEMPORARY
PAVEMENT MARKING PAINT
- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▲ DIRECTION INDICATOR BARRICADE
- ||||| TEMPORARY LONG-TERM RUMBLE STRIPS
- FLASHING ARROW PANEL
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL PLAN
STAGE 2
SHEET 28 OF 44

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ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 42

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

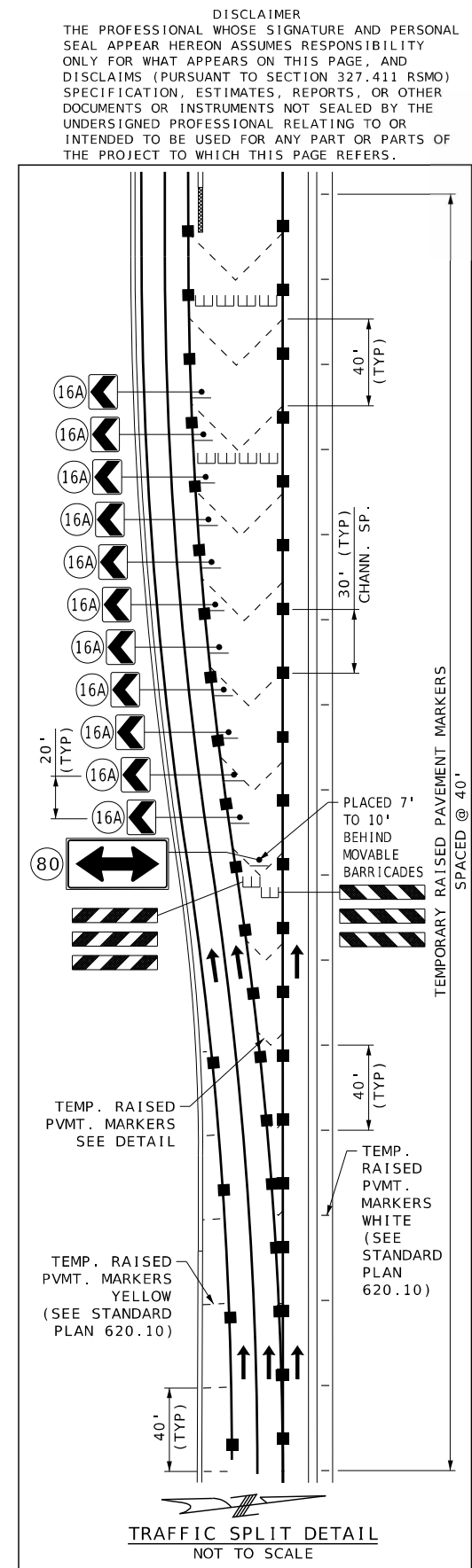
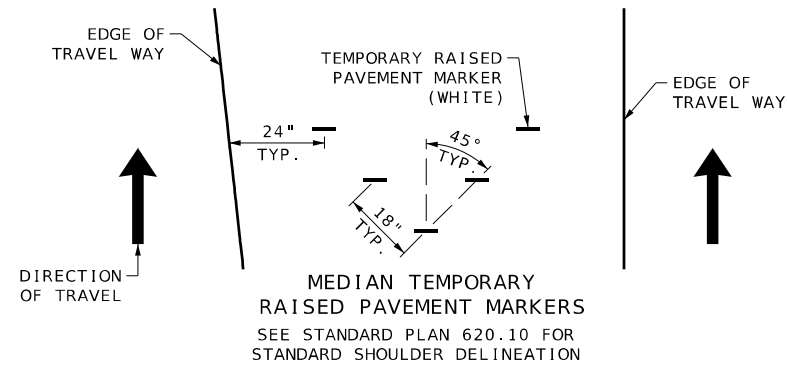
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design

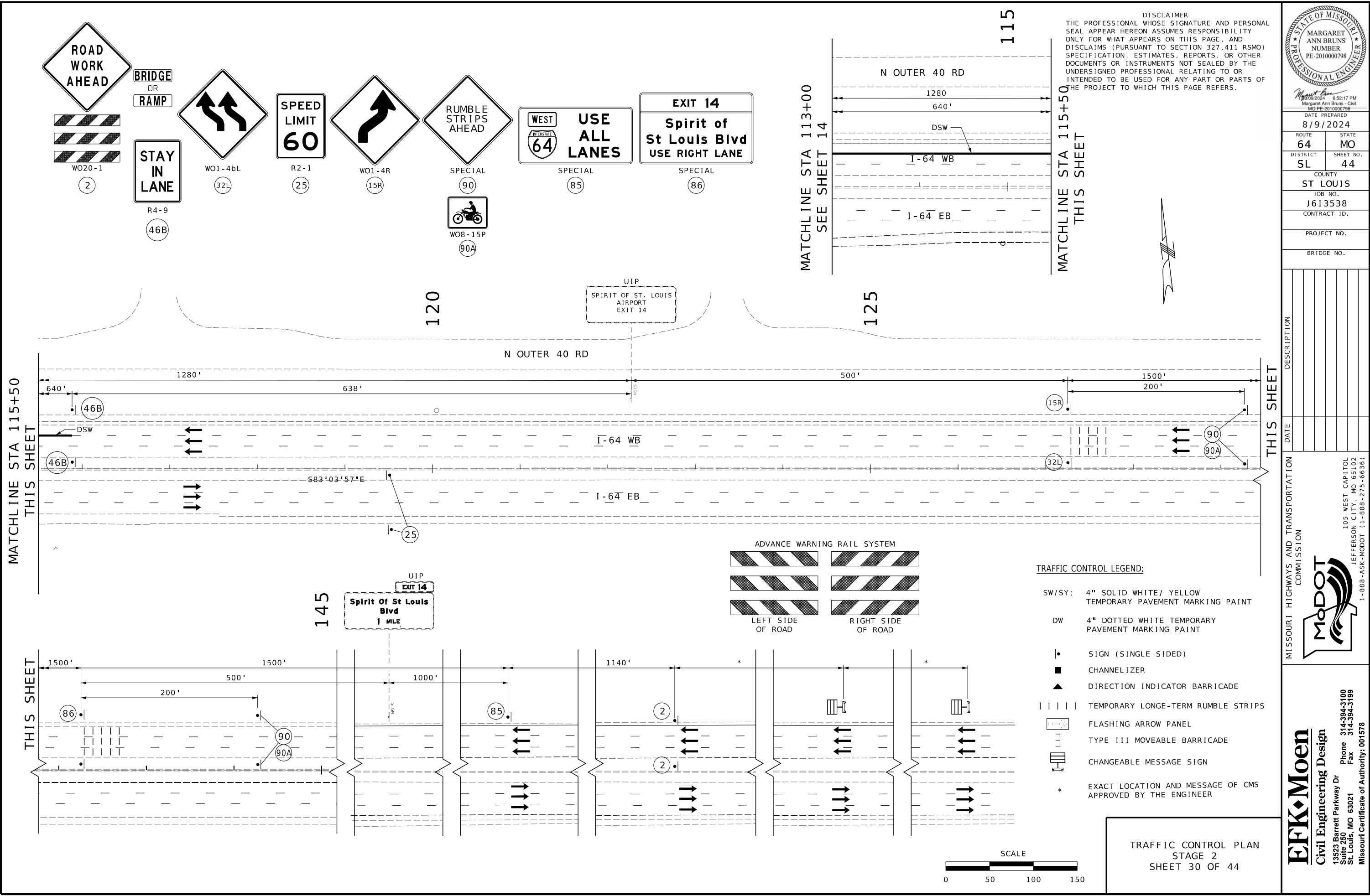
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

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

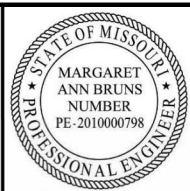
REV.



V.



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DATE PREPARED
8/9/2024

ROUTE
64

STATE
MO

DISTRICT
SL

SHEET NO.
44

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

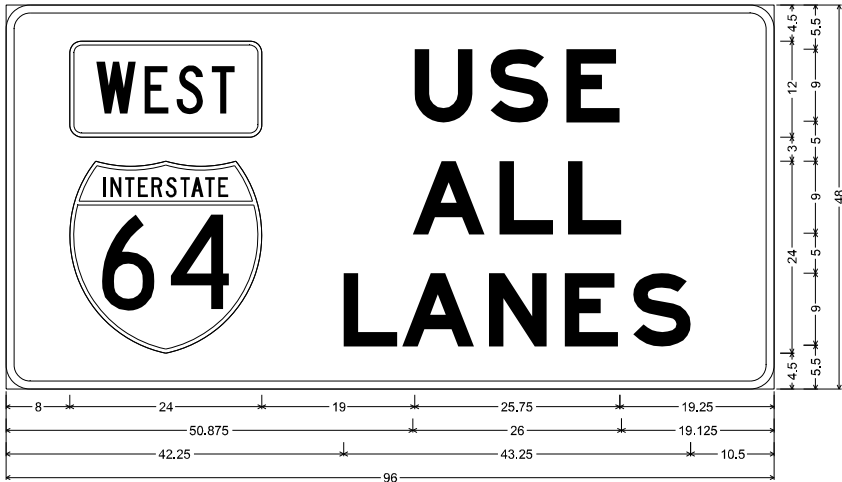
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design

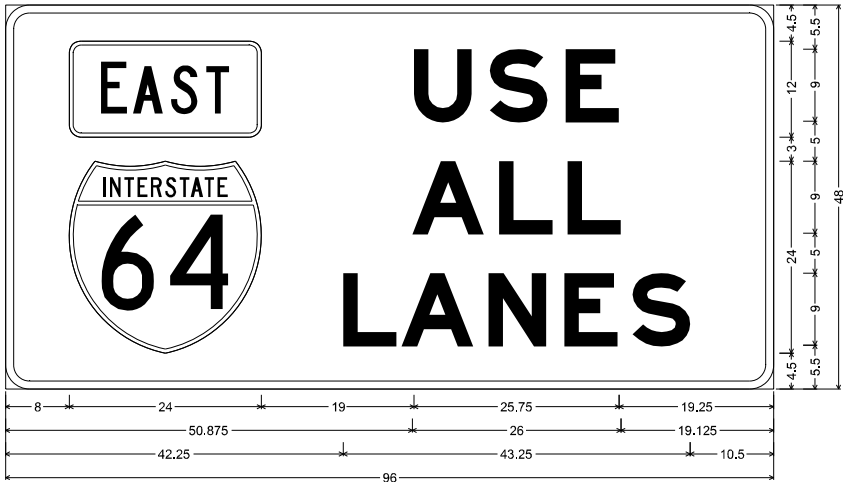
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

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



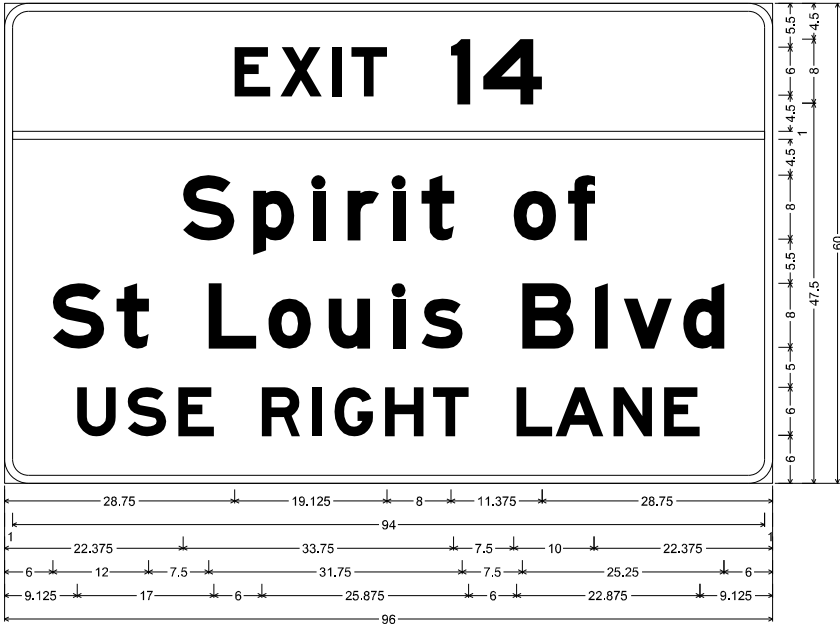
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3.000" Radius, 1.000" Border, Black on, Orange;
Interstate 64 12.000" C; "USE", E Mod; "ALL", E Mod; "LANES", E Mod;
Table of letter and object lefts

	U	S	E	
8.000	51.000	60.500	70.000	
	A	L	L	
8.000	50.875	61.750	70.250	
L	A	N	E	S
42.250	49.500	60.375	69.875	78.375



SPECIAL SHF-FLAT SHEET FLUORESCENT;
3.000" Radius, 1.000" Border, Black on, Orange;
Interstate 64 12.000" C; "USE", E Mod; "ALL", E Mod; "LANES", E Mod;
Table of letter and object lefts

	U	S	E	
8.000	51.000	60.500	70.000	
	A	L	L	
8.000	50.875	61.750	70.250	
L	A	N	E	S
42.250	49.500	60.375	69.875	78.375



SPECIAL SHF-FLAT SHEET FLUORESCENT;
3.000" Radius, 1.000" Border, Black on, Orange;
"EXIT 14", E Mod; "Spirit of", E Mod 94% spading; "St Louis Blvd", E Mod 94% spading;
"USE RIGHT LANE", E Mod;
Table of letter and object lefts

E	X	I	T	1	4						
28.750	34.500	40.875	43.375	55.875	59.875						
1,000											
S	p	i	r	l	t	o	f				
22.375	31.125	38.500	42.875	48.500	52.125	63.625	70.375				
S	t	L	o	u	i	s	B	l	v	d	
6.000	14.000	25.500	33.000	40.500	48.500	52.125	64.750	73.750	77.375	84.875	
U	S	E	R	i	G	H	T	L	A	N	E
9.125	15.375	21.750	32.125	38.500	41.250	47.500	53.625	64.000	68.875	76.125	82.500

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Margaret Ann Bruns
08/09/2024 6:52:18 PM
Margaret Ann Bruns - Civil
MO PE-2010000798

DATE PREPARED 8/9/2024	
ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 45
COUNTY ST LOUIS	
JOB NO. J613538	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION

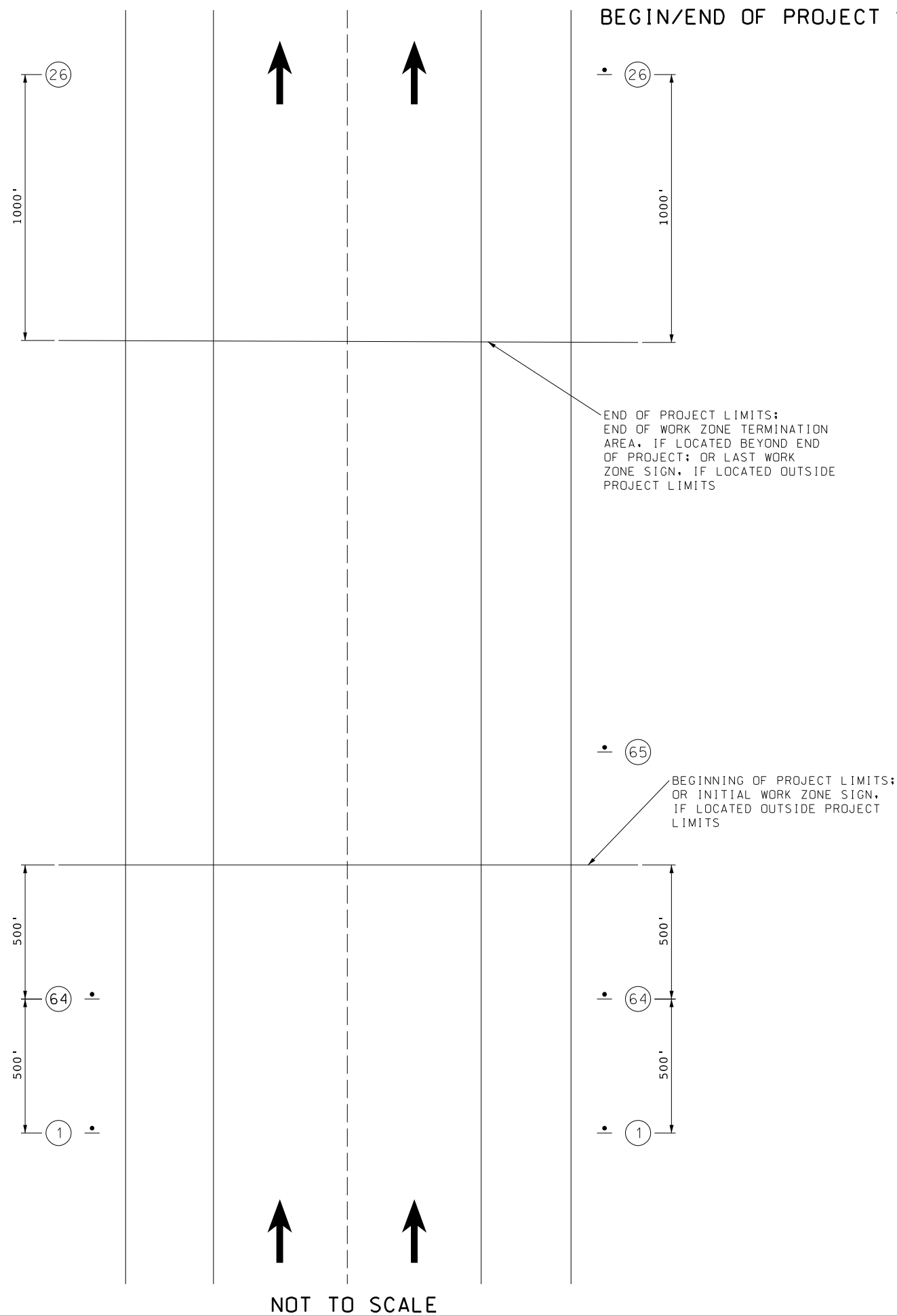
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

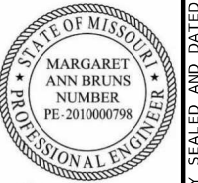
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

TRAFFIC CONTROL
SIGN DETAILS
SHEET 31 OF 44



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Margaret Ann Bruns - Civil
MO PE-2010000798

DATE PREPARED
8/9/2024

ROUTE	STATE
64	MO

DISTRICT	SHEET NO.
SI	47

3L	47	E
COUNTY		m
ST. LOUIS		S

ST LOUIS

J613538
CONTRACT ID.

PROJECT NO.

PROJECT NO.

BRIDGE NO.

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RESE

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DES

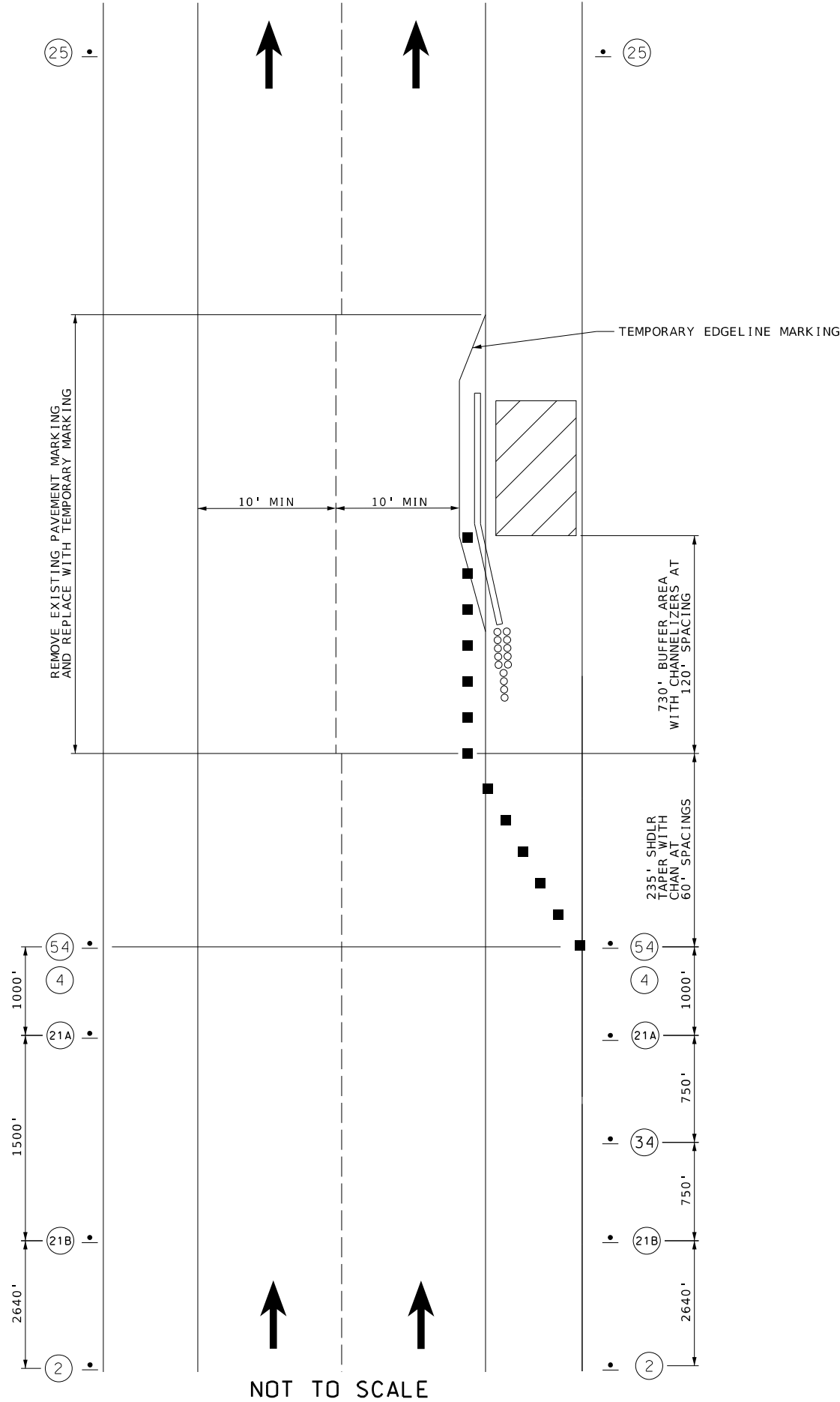
LEFT/RIGHT SHOULDER WORK WITH MINOR ENROACHMENT WITH TEMPORARY TRAFFIC BARRIER

DISCLAIMER
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DATE PREPARED
8/9/2024

ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 48
COUNTY ST LOUIS	
JOB NO. J613538	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



W020-1
2

W05-5
34

W021-5aR
21A

R2-1
4

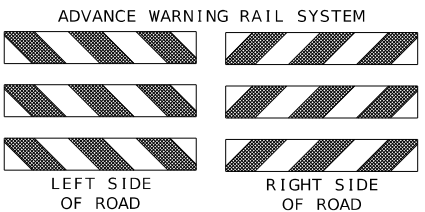
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25

G020-5aP
54

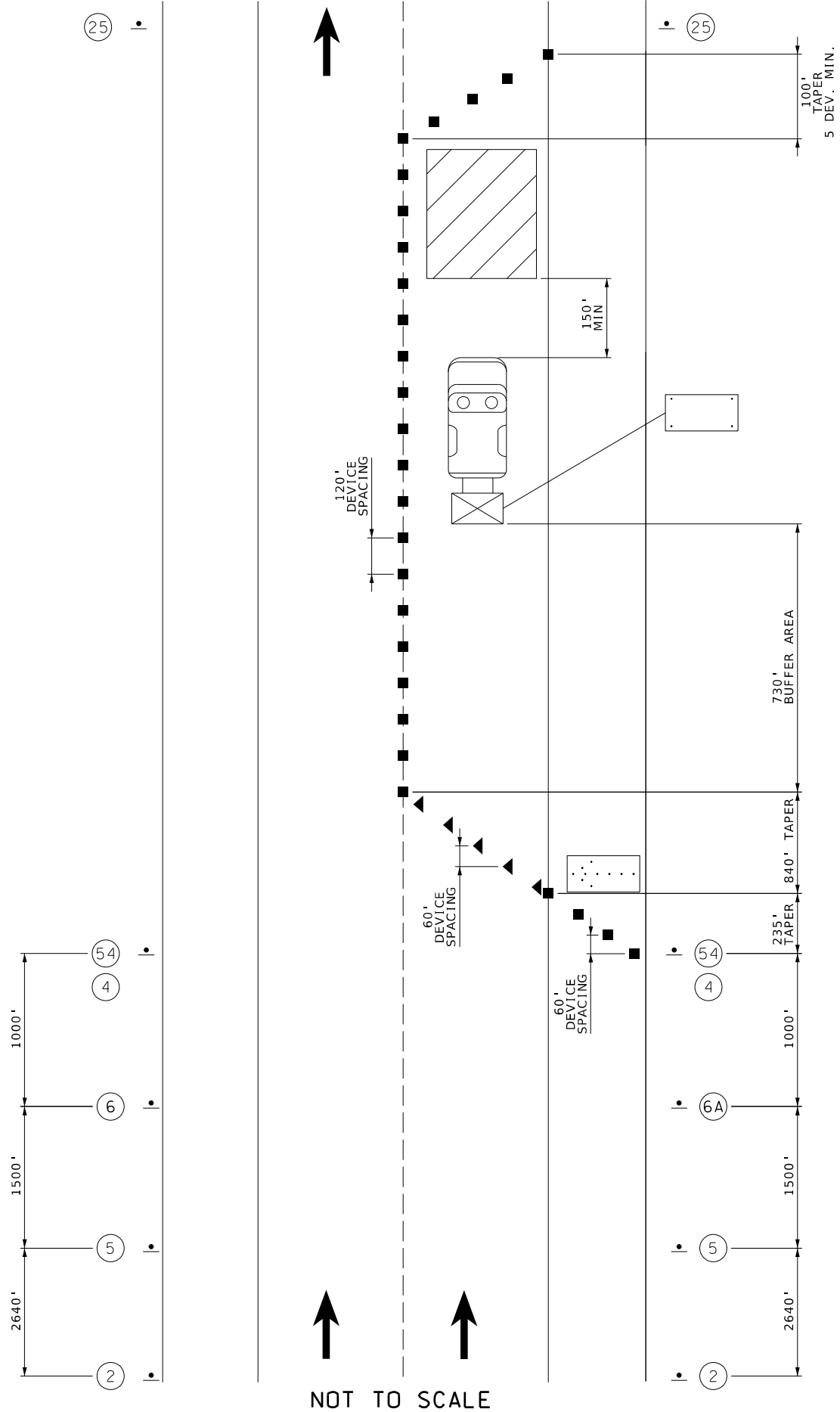
W021-5bR
21B

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- DIRECTIONAL INDICATOR BARRICADE
- FLAGGER
- FLASHING ARROW PANEL
- WORK AREA
- PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL
- WORK VEHICLE

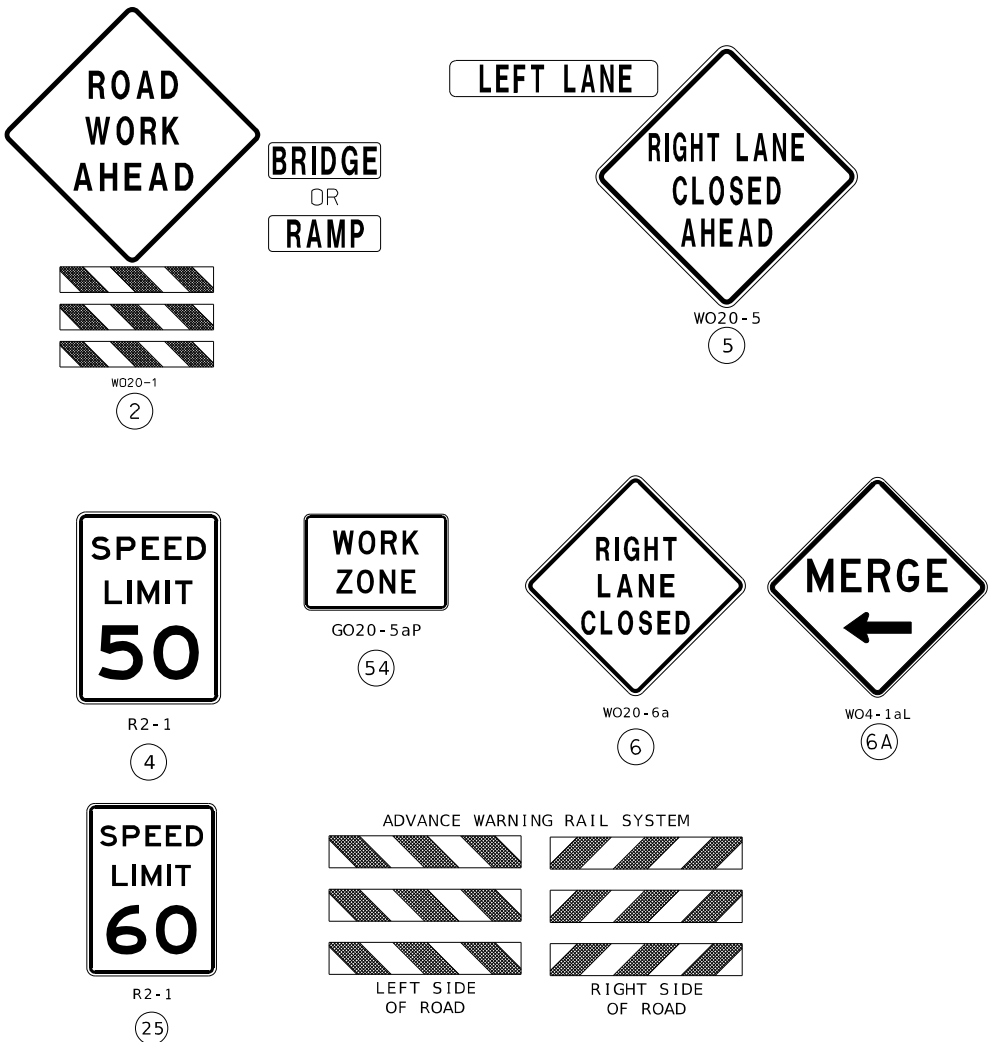


LEFT/RIGHT SINGLE LANE CLOSURE
ON MULTI-LANE HIGHWAY

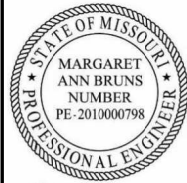


TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ◀ DIRECTIONAL INDICATOR BARRICADE
- ◊ FLAGGER
- FLASHING ARROW PANEL
- ▨ WORK AREA
- 🚚 PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL
- 🚚 WORK VEHICLE



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8/9/2024

ROUTE 64 STATE MO

DISTRICT SL SHEET NO. 49

COUNTY ST LOUIS

JOB NO. J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

EFK Moen
Civil Engineering Design

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

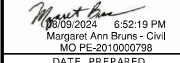
Phone 314-394-3100
Fax 314-394-3199

Missouri Certificate of Authority: 001578

TRAFFIC CONTROL
SHEET 35 OF 44

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ROUTE 64	STATE MO
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DISTRICT	SHEET NO.
SL	52

COUNTY
ST LOUIS

JOB NO.
J6I3538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

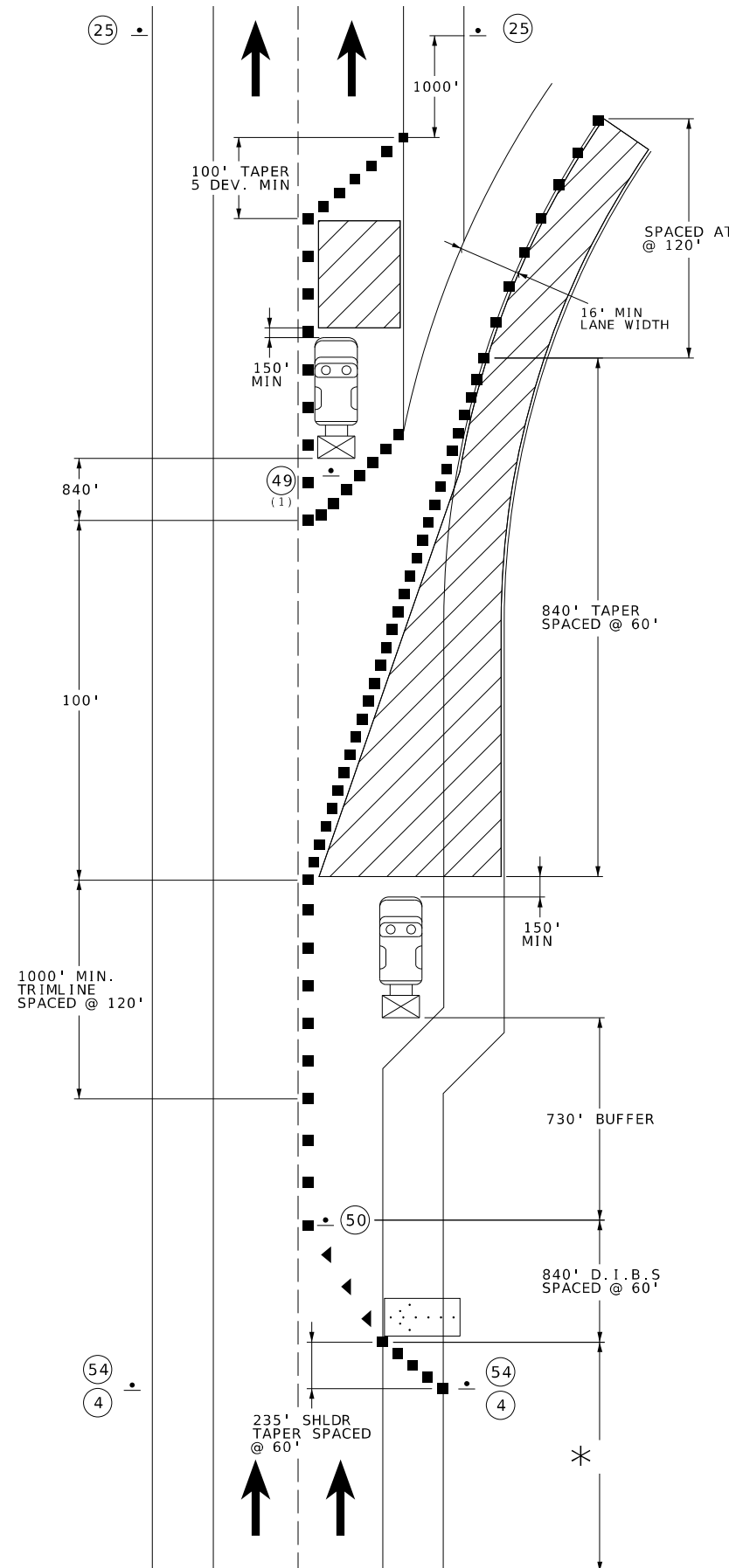
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COMMISSION

EFK♦Moen
Civil Engineering Design

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

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

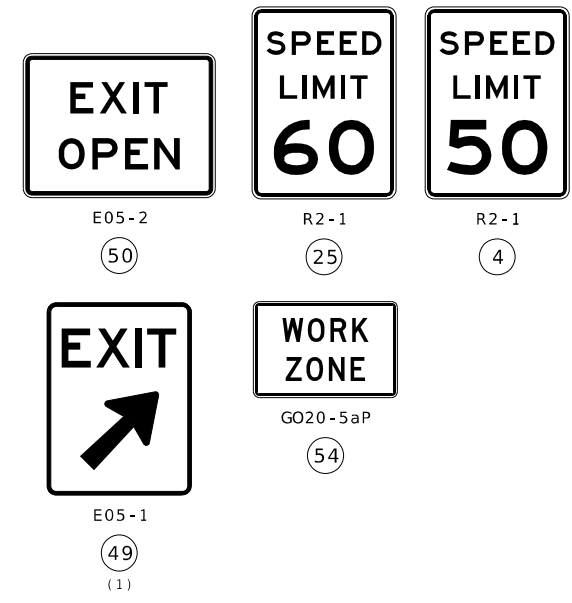
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NOTES:

(1) PLACE TEMPORARY SIGN AT A MOUNTING HEIGHT OF 7' WITHIN THE TEMPORARY GORE

(3) 5 CHANNELIZER DEVICES MINIMUM



TRAFFIC CONTROL LEGEND

- | | |
|---|--|
|  | SIGN (SINGLE SIDED) |
|  | CHANNELIZER |
|  | DIRECTIONAL INDICATOR BARRICADE |
|  | FLAGGER |
|  | FLASHING ARROW PANEL |
|  | WORK AREA |
|  | PROTECTIVE VEHICLE
WITH TMA AND FLASHING
ARROW PANEL |
|  | WORK VEHICLE |

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

TRAFFIC CONTROL
SHEET 38 OF 44

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

CENTER LANE CLOSURE WITH LEFT SHOULDER ADVANCE WARNING VEHICLE
ON A THREE OR MORE LANES HIGHWAY FOR MOBILE OPERATION

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ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 53

COUNTY ST LOUIS
JOB NO. J613538
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION

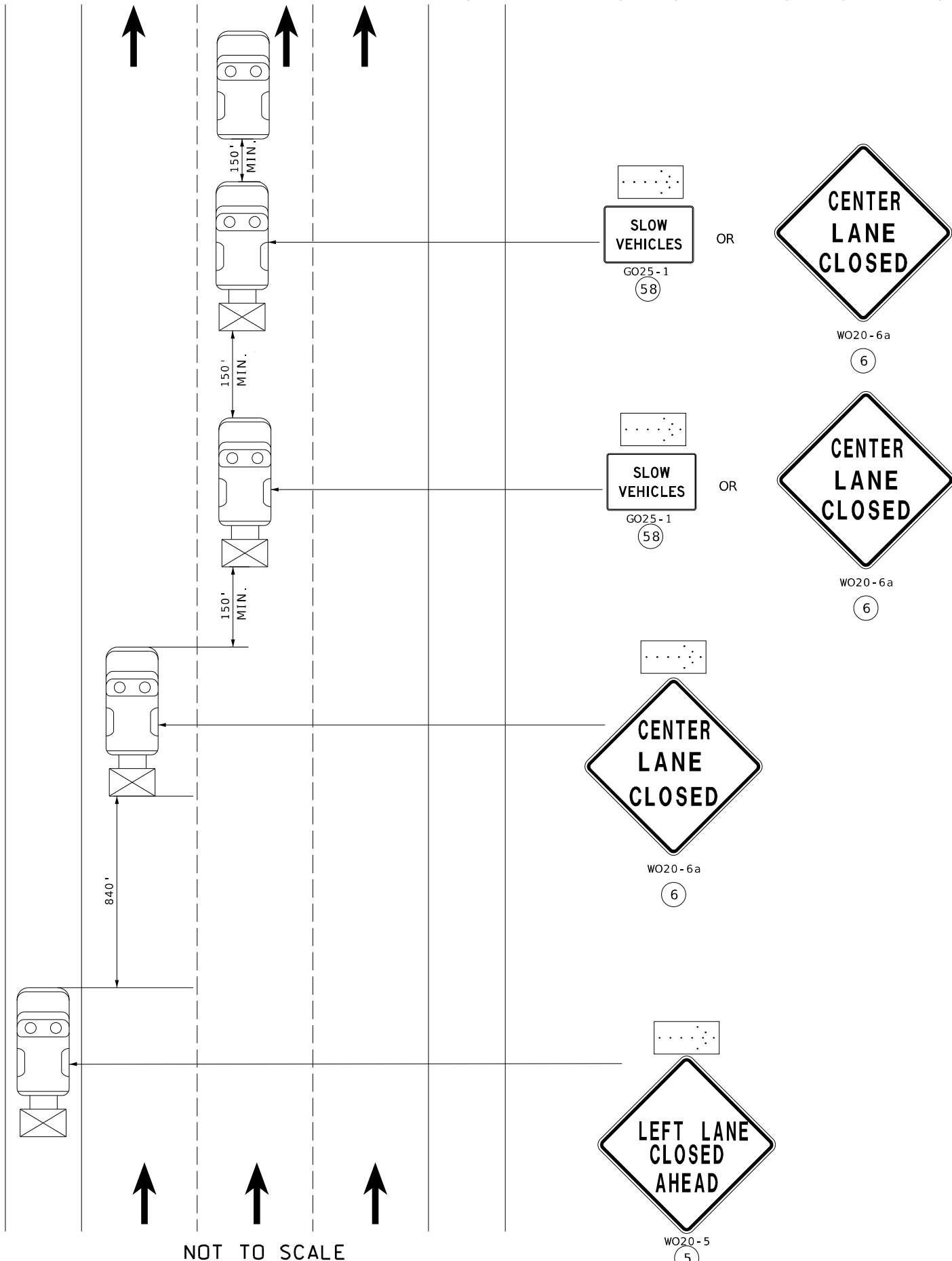
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

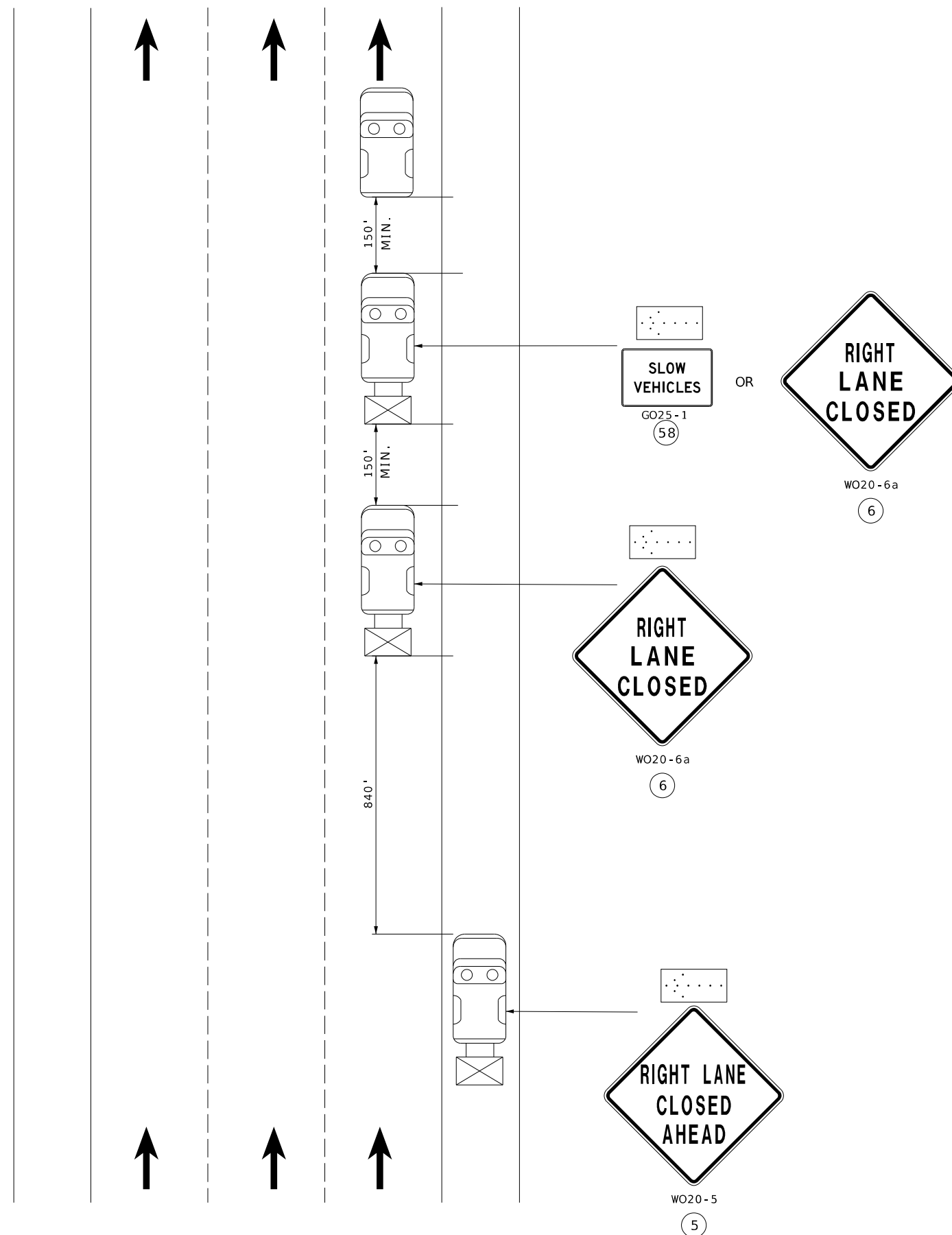
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ◀ DIRECTIONAL INDICATOR BARRICADE
- ◀ FLAGGER
- ◀ FLASHING ARROW PANEL
- ◀ WORK AREA
- ◀ PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL
- ◀ WORK VEHICLE

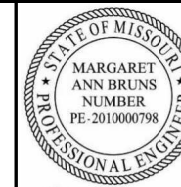
RIGHT LANE CLOSURE WITH RIGHT SHOULDER ADVANCE WARNING VEHICLE ON A THREE OR MORE LANES HIGHWAY FOR MOBILE OPERATION



NOT TO SCALE

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Margaret Ann Bruns - Civil
MO PE-2010000798

DATE PREPARED
8/9/2024

ROUTE 64	STATE MO
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DISTRICT	SHEET NO.
SL	54

COUNTY
ST LOUIS

JOB NO.
J613538

7813330
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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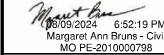

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102

EFK♦Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199

TRAFFIC CONTROL
SHEET 40 OF 44

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8/9/2024

ROUTE 64	STATE MO
-------------	-------------

DISTRICT	SHEET NO.
SL	55

COUNTY
ST LOUIS

JOB NO.
J6I3538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

EFK♦Moen
Civil Engineering Design

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

St. Louis, MO 63021 Fax 314-311-5178
Missouri Certificate of Authority: 001578

TRAFFIC CONTROL
SHEET 41 OF 44

NOT TO SCALE

CENTER LANE CLOSURE WITH LEFT SHOULDER ADVANCE WARNING VEHICLE
ON A THREE OR MORE LANES HIGHWAY FOR PAVEMENT MARKING OPERATION

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ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 56

COUNTY
ST LOUIS

JOB NO.
J613538

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PROJECT NO.

BRIDGE NO.

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
Civil Engineering Design

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

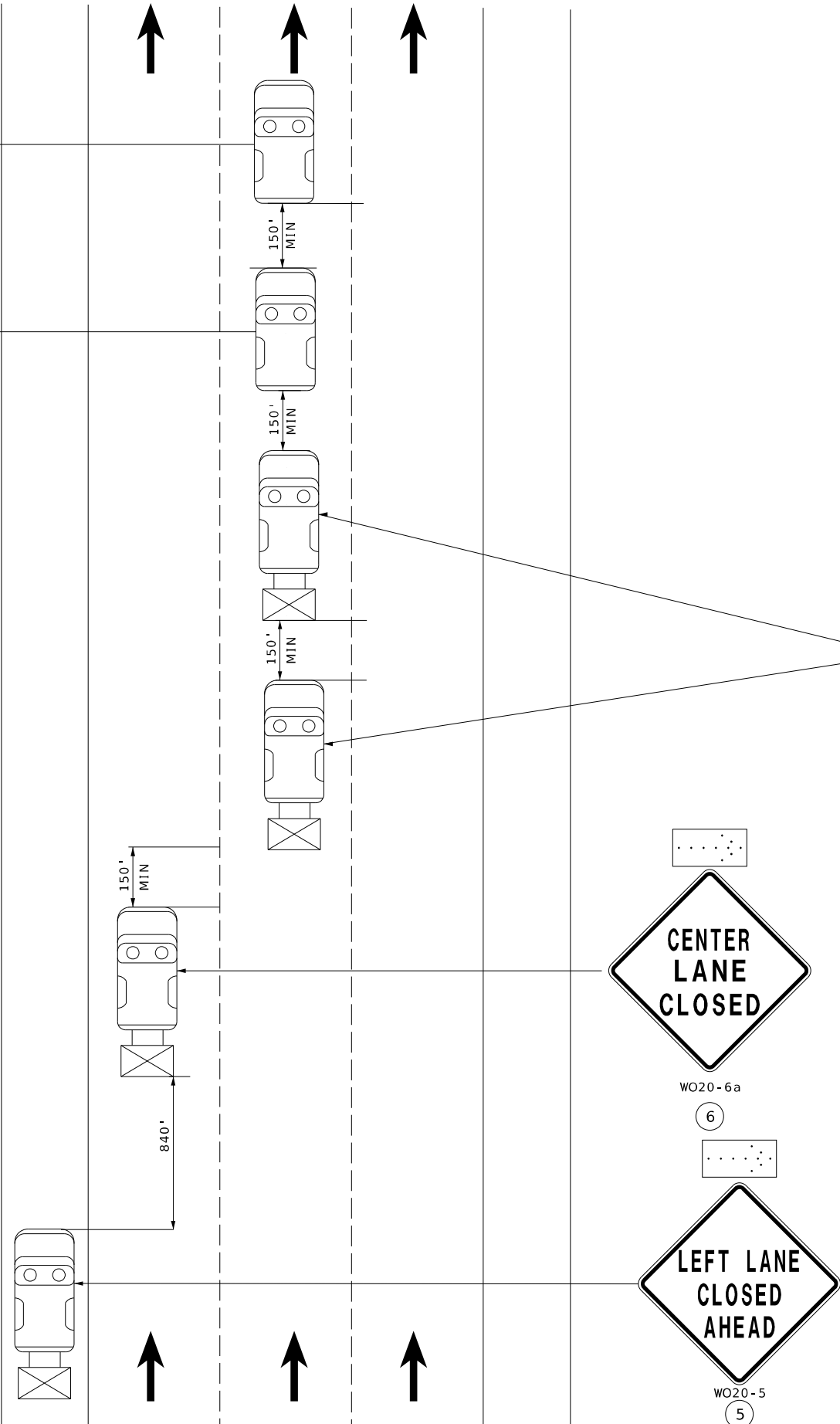
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- DIRECTIONAL INDICATOR BARRICADE
- FLAGGER
- FLASHING ARROW PANEL
- WORK AREA
- PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL
- WORK VEHICLE

ADVANCE WARNING VEHICLE

STRIPER

NOT TO SCALE



WET PAINT

SPECIAL SIGN

55

CENTER LANE CLOSED

W020-6a

6

CENTER LANE CLOSED

W020-6a

6

LEFT LANE CLOSED AHEAD

W020-5

5

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

RIGHT LANE CLOSURE WITH RIGHT SHOULDER ADVANCE WARNING VEHICLE
ON A THREE OR MORE -LANES HIGHWAY FOR PAVEMENT MARKING OPERATION

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8/9/2024

ROUTE
64

STATE
MO

DISTRICT
SL

SHEET NO.
57

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

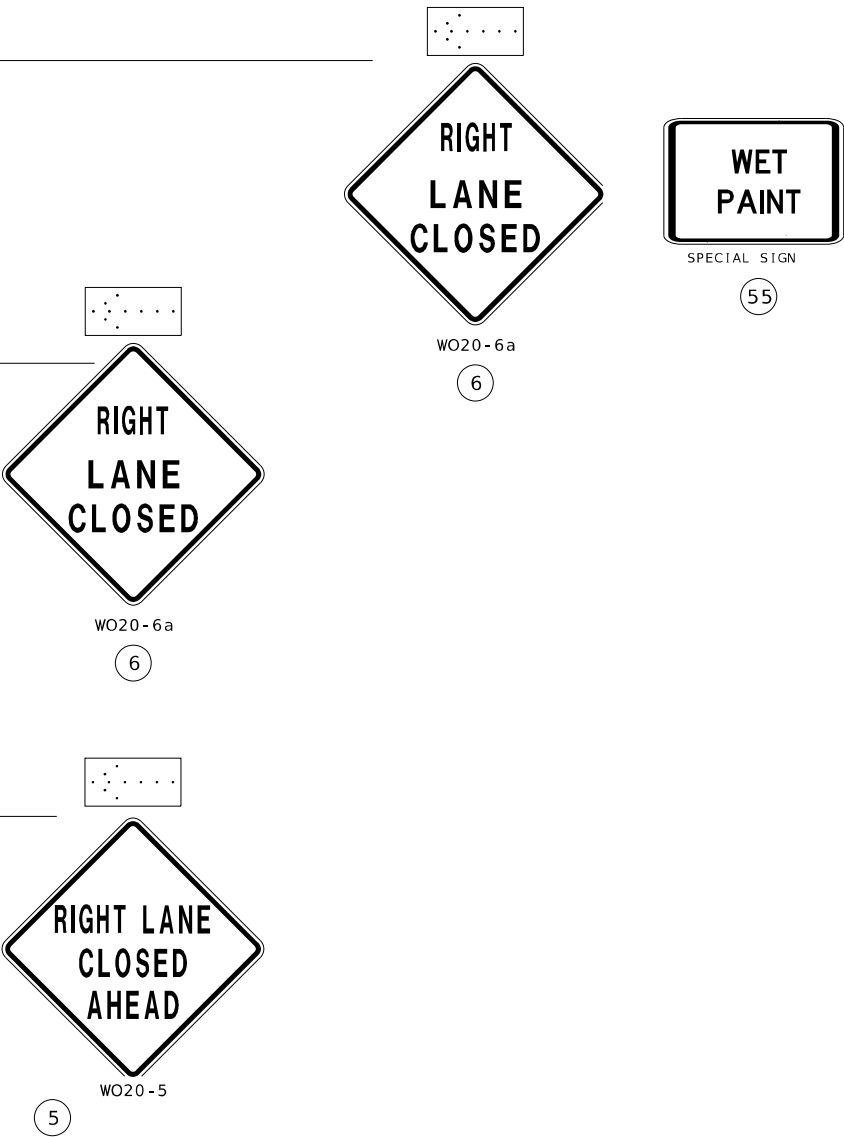
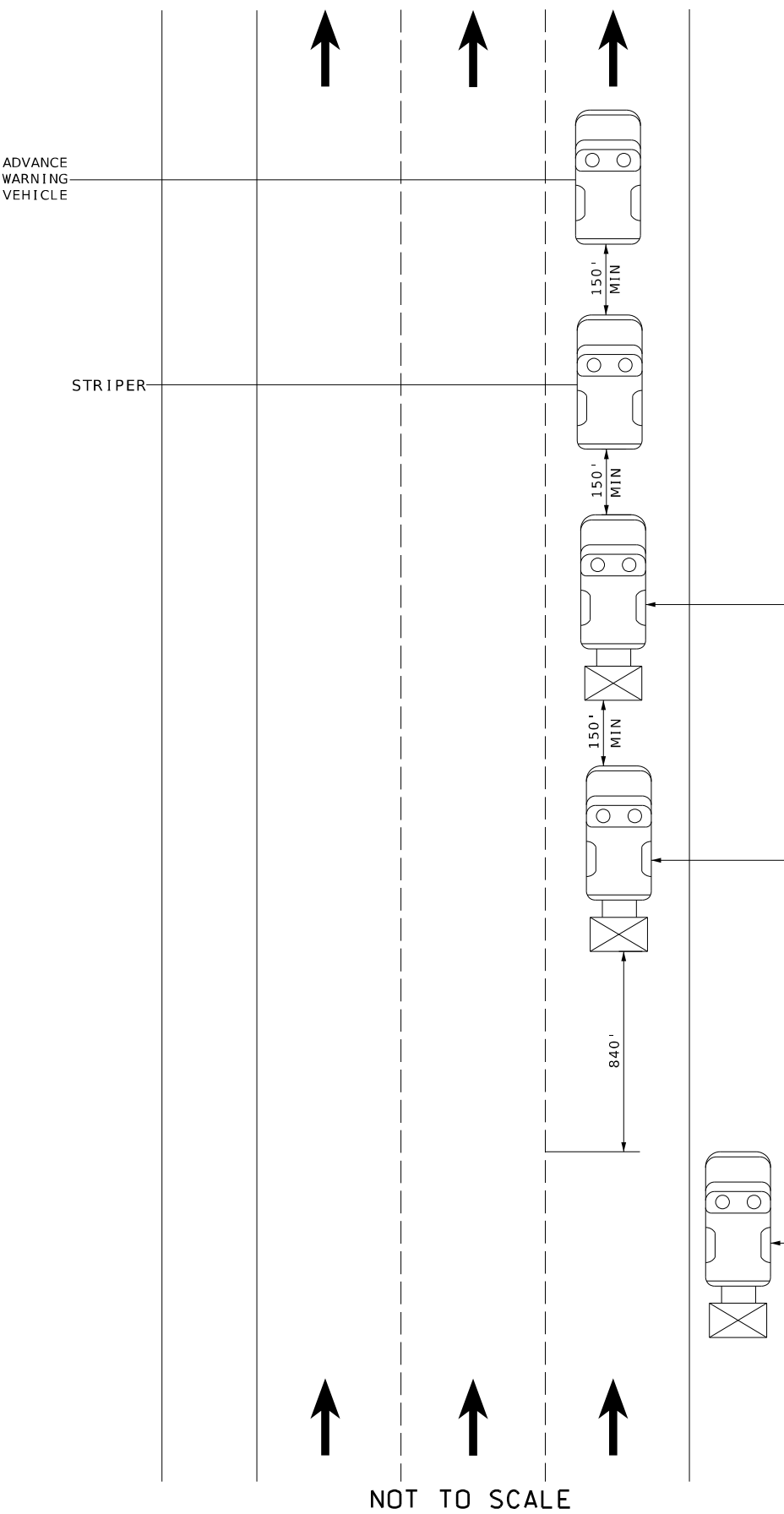
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

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

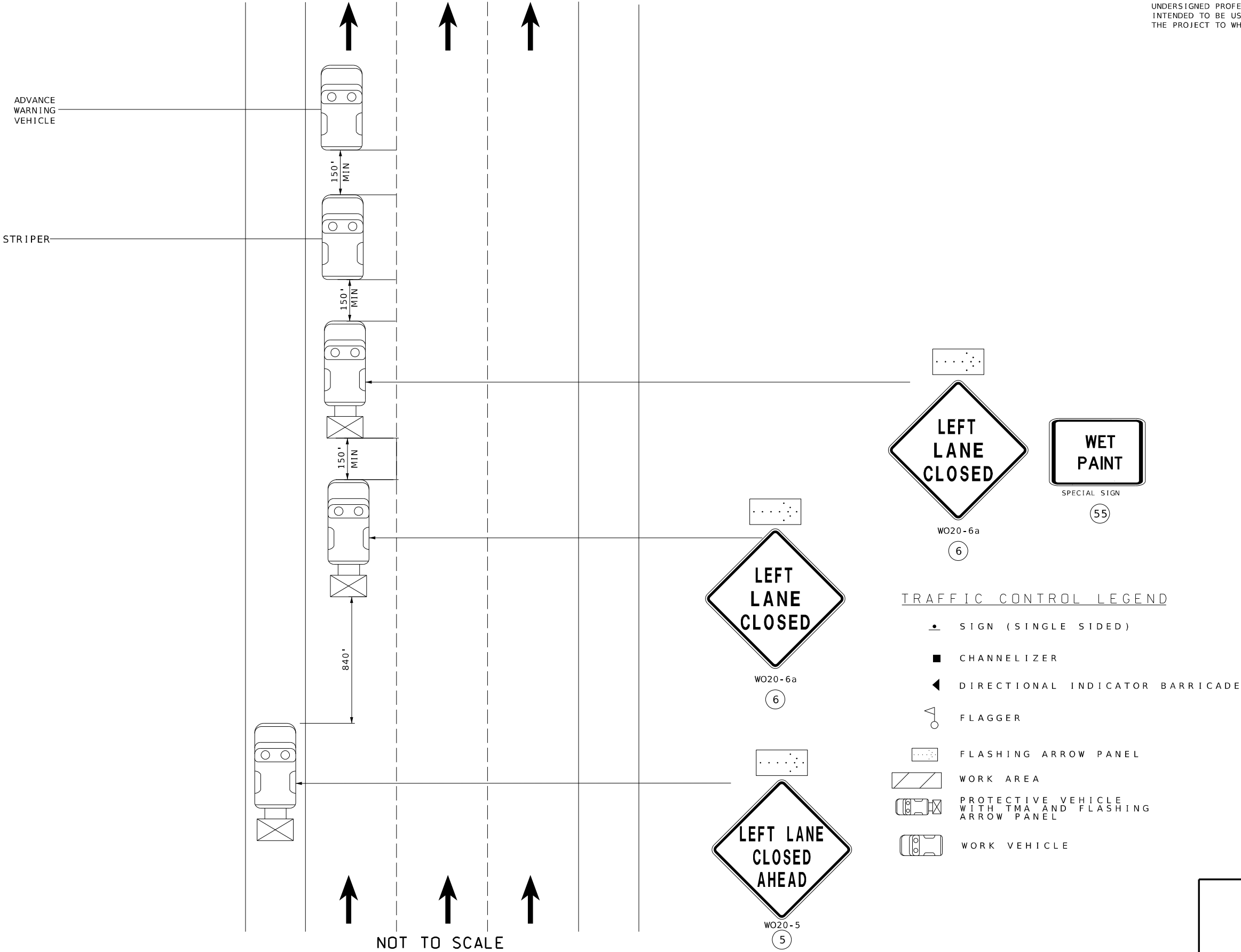
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ◀ DIRECTIONAL INDICATOR BARRICADE
- ◀ FLAGGER
- FLASHING ARROW PANEL
- WORK AREA
- PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL
- WORK VEHICLE



TRAFFIC CONTROL
SHEET 43 OF 44

LEFT LANE CLOSURE WITH LEFT SHOULDER ADVANCE WARNING VEHICLE
ON A THREE OR MORE -LANES HIGHWAY FOR PAVEMENT MARKING OPERATION



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ROUTE 64
DISTRICT SL
STATE MO
SHEET NO. 58

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

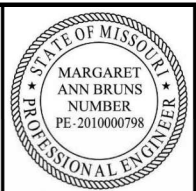
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

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

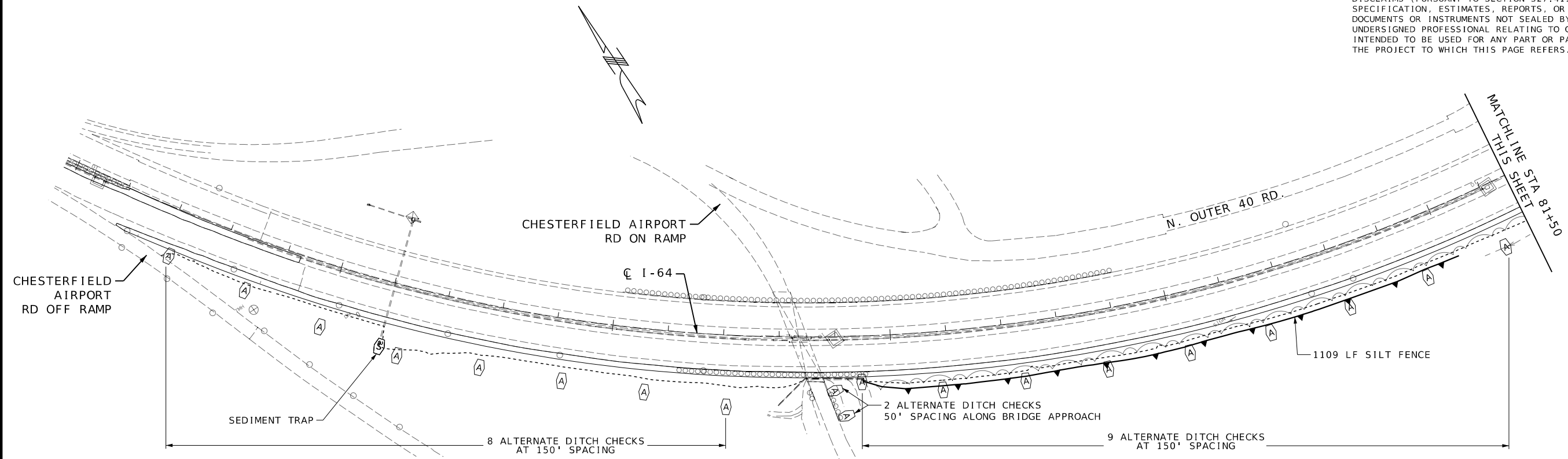
TRAFFIC CONTROL
SHEET 44 OF 44

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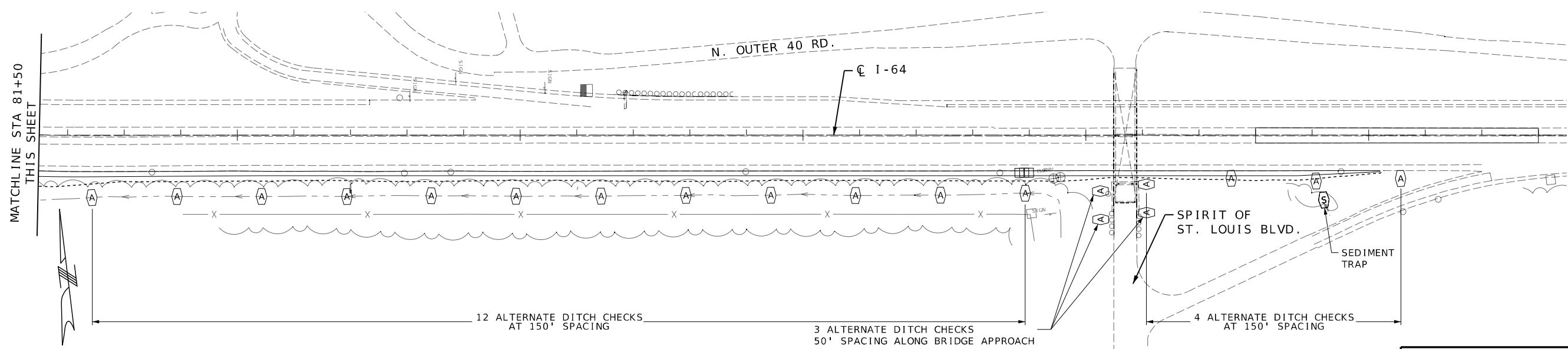


DATE PREPARED
8/9/2024

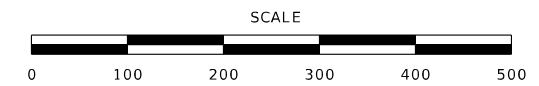
ROUTE 64	STATE MO
DISTRICT SL	SHEET NO. 59
COUNTY ST LOUIS	
JOB NO. J613538	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



- LEGEND:
- SILT FENCE
 - SEDIMENT TRAP
 - ALTERNATE DITCH CHECK



PRIMARY RECEIVING WATERS: MISSOURI RIVER



EROSION CONTROL
PRE CONSTRUCTION
SHEET 1 OF 2

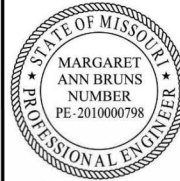
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
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8/9/2024

ROUTE
64

STATE
MO

DISTRICT
SL

SHEET NO.
60

COUNTY
ST LOUIS

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MoDOT

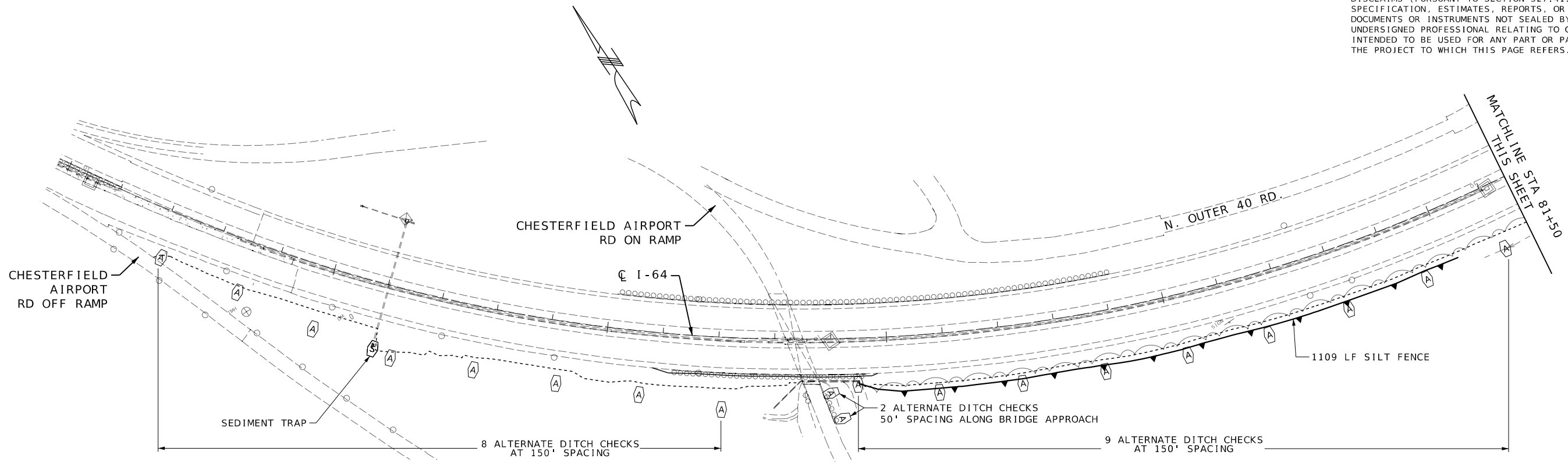
EFK Moen

Civil Engineering Design

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

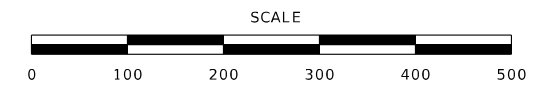
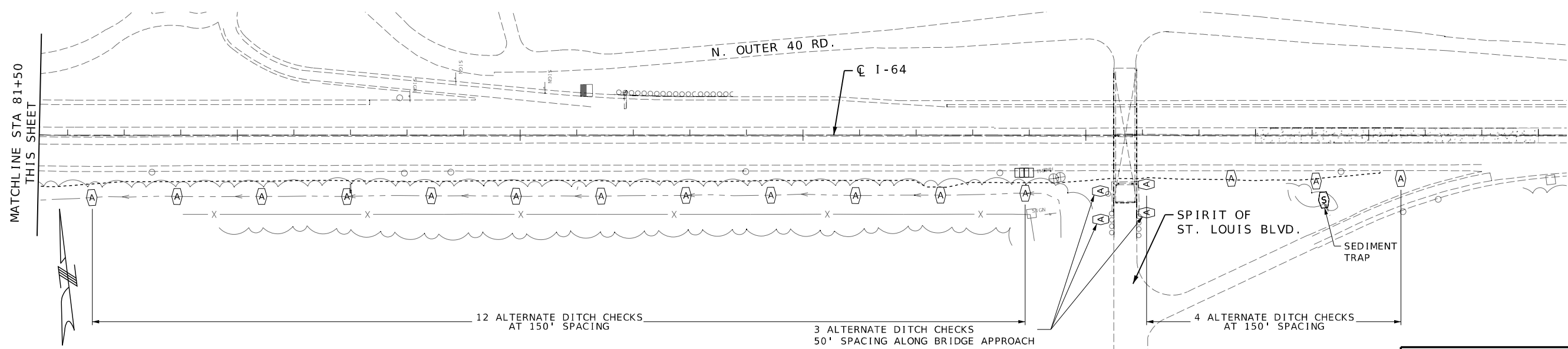
Phone 314-394-3100 Fax 314-394-3199

Missouri Certificate of Authority: 001578

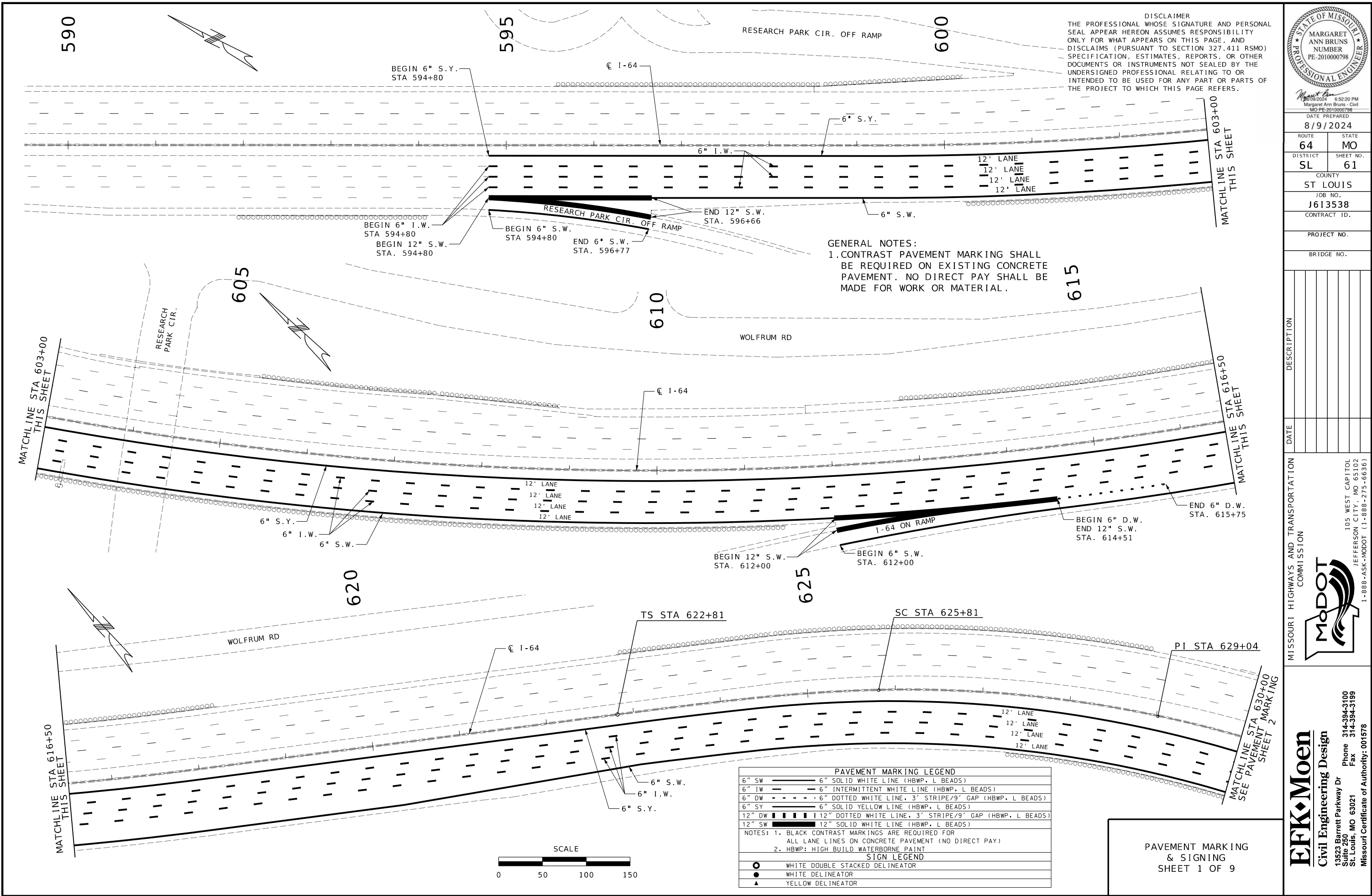


LEGEND:

- SILT FENCE
- SEDIMENT TRAP
- ALTERNATE DITCH CHECK



EROSION CONTROL
POST CONSTRUCTION
SHEET 2 OF 2





DATE PREPARED
8/9/2024

ROUTE	STATE
64	MO

DISTRICT	SHEET NO.
SI	62

SE	SE
COUNTY	
ST. LOUIS	

JOB NO.
1613538

J613538
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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DATE						
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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



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Mr. _____
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Barrett
2250
Louis, M
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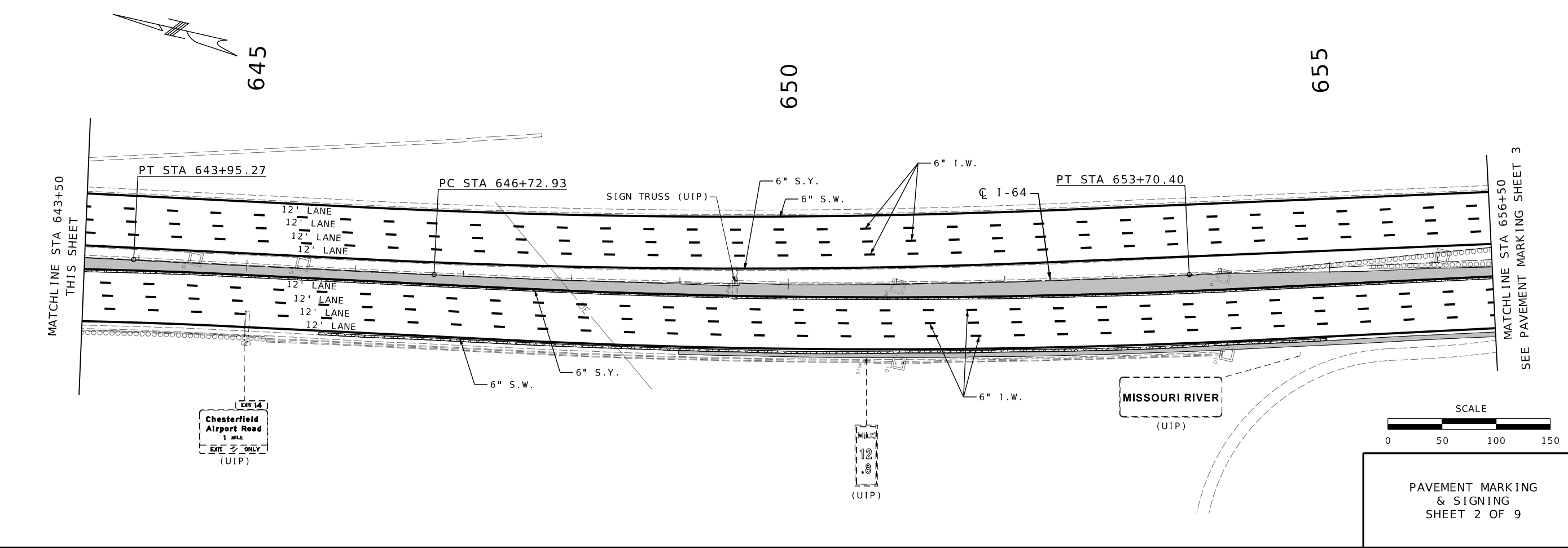
Institution of Civil Engineers
 3523
 Suite 2
 St. Louis
 Missouri

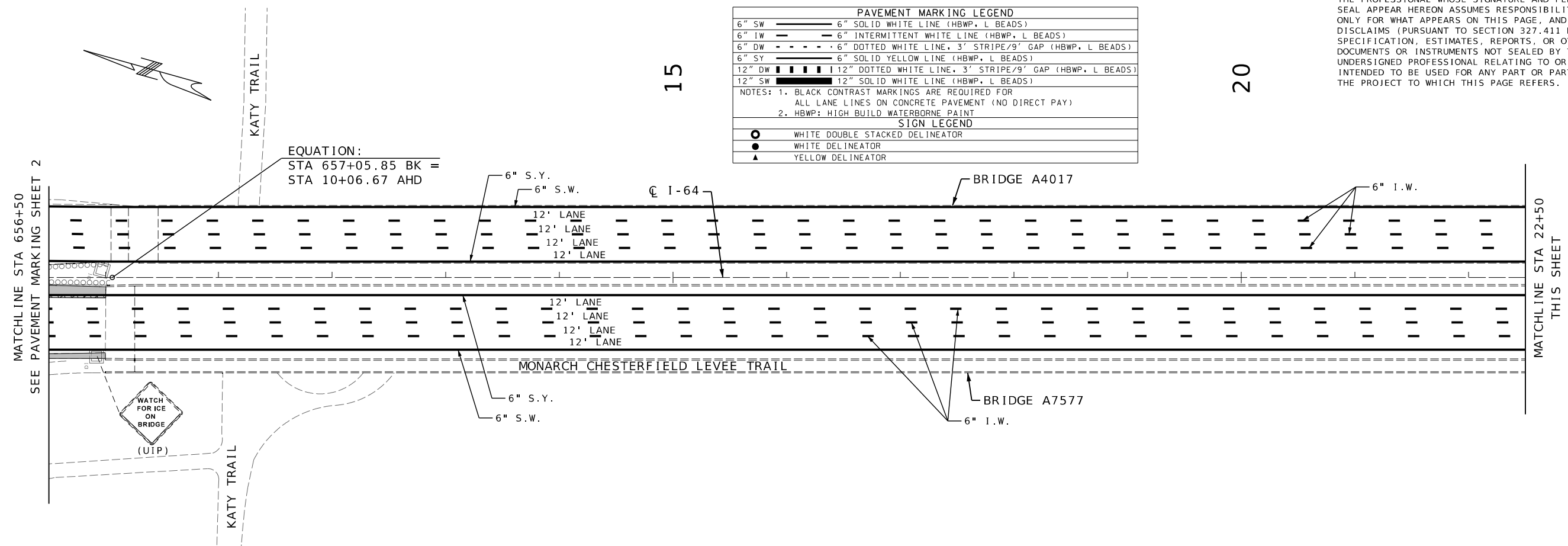
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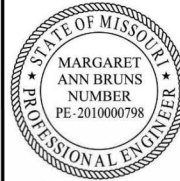
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ROUTE 64 STATE MO
DISTRICT SL SHEET NO. 65

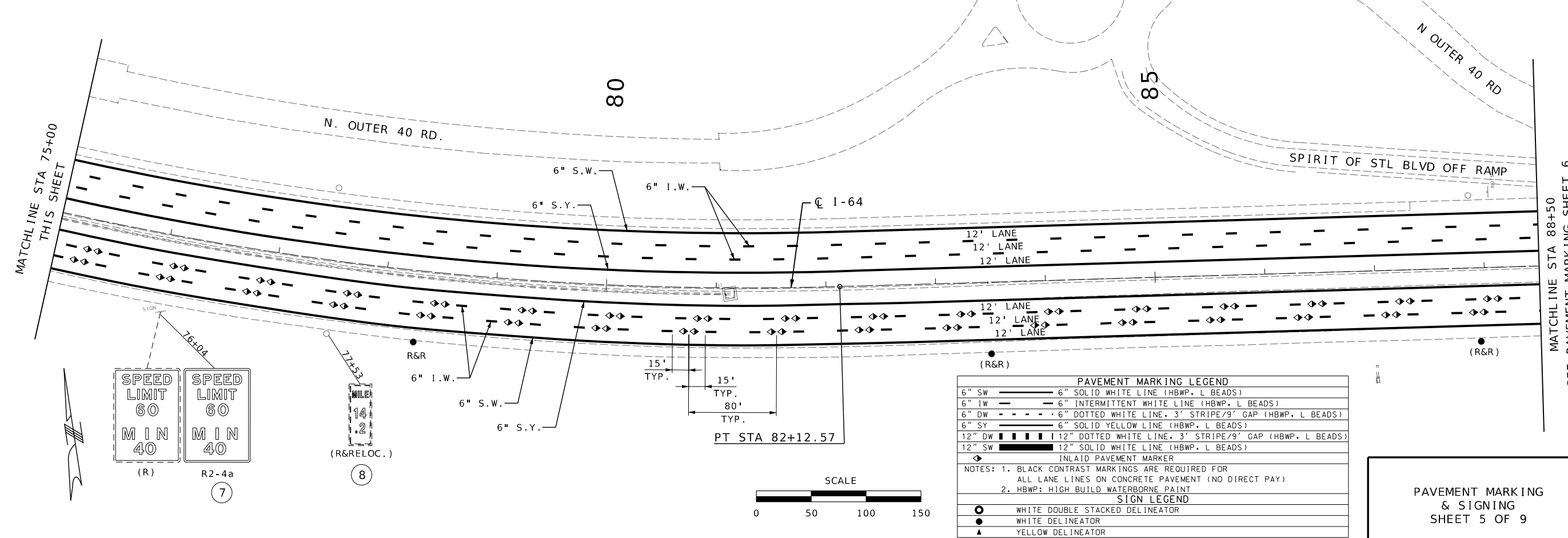
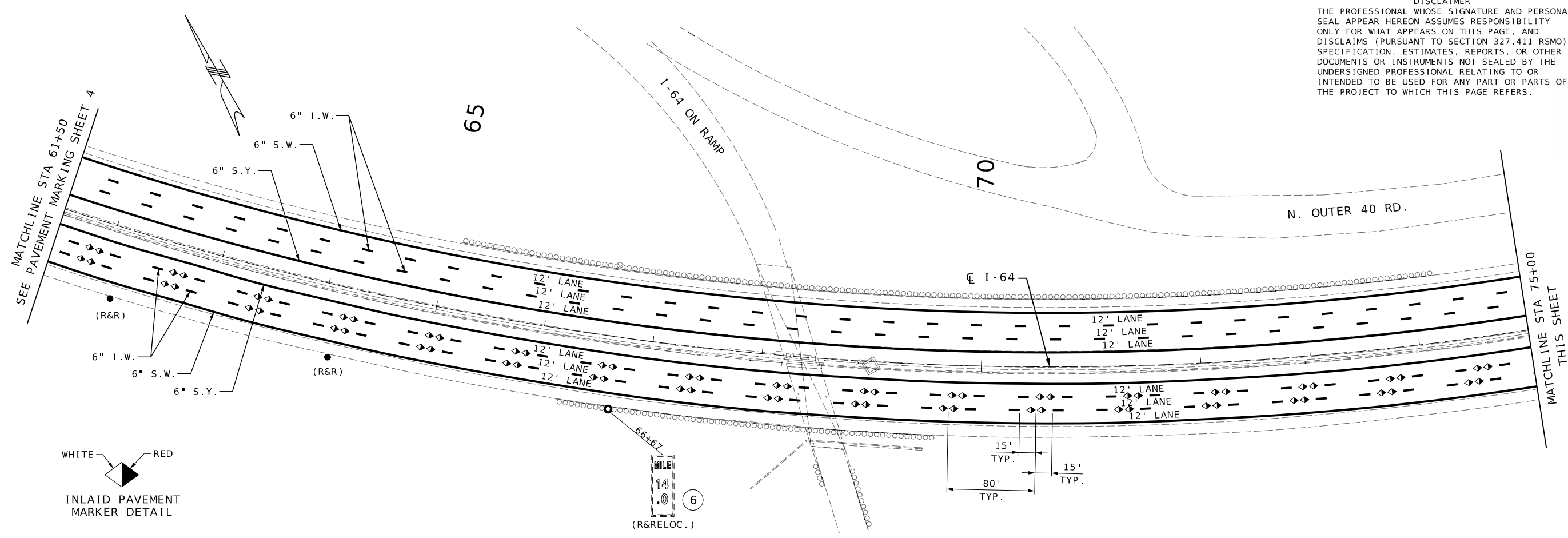
COUNTY ST LOUIS
JOB NO. J613538
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

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



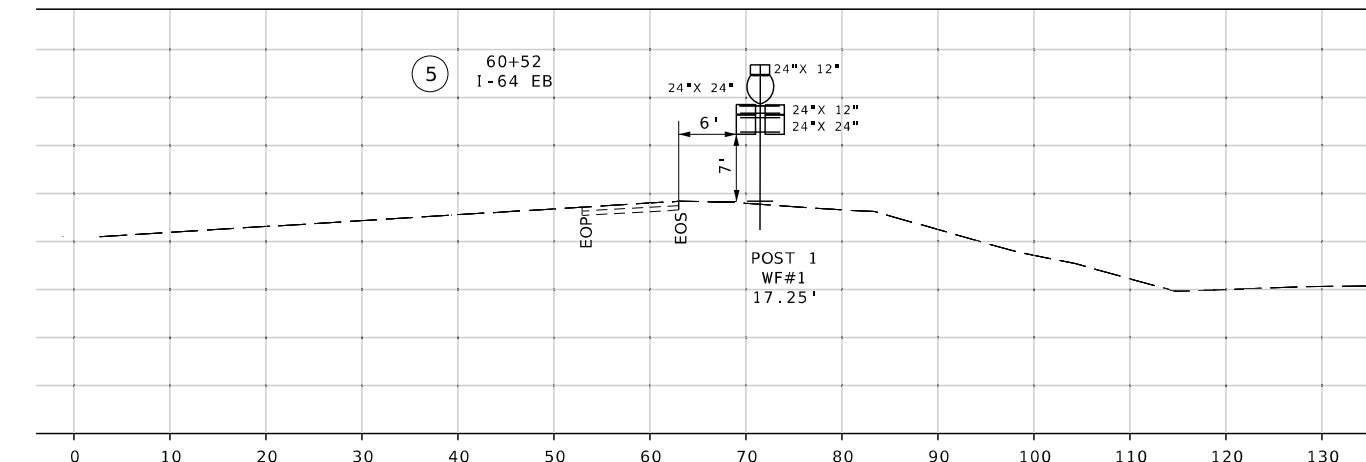
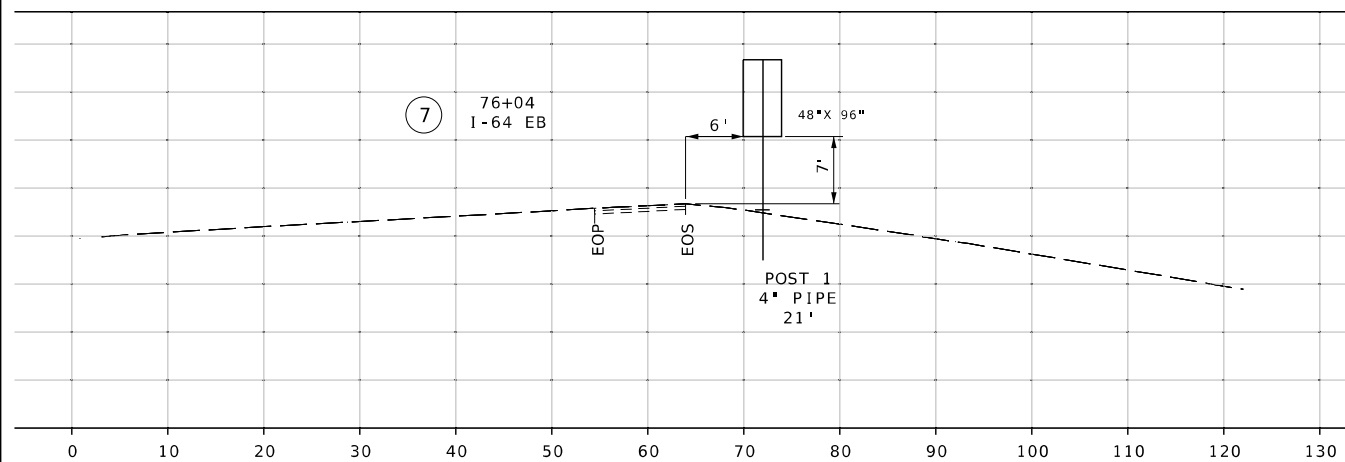
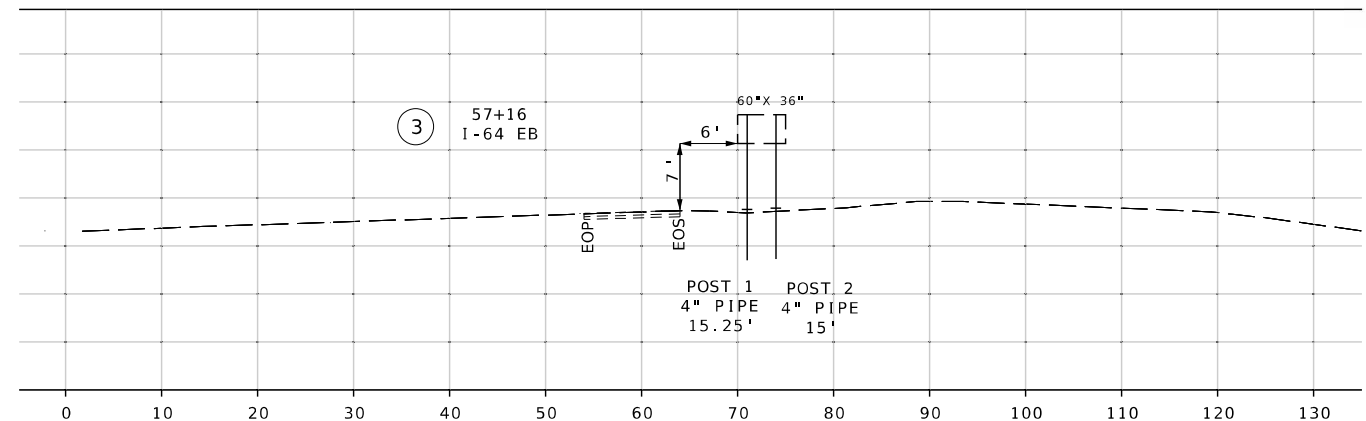
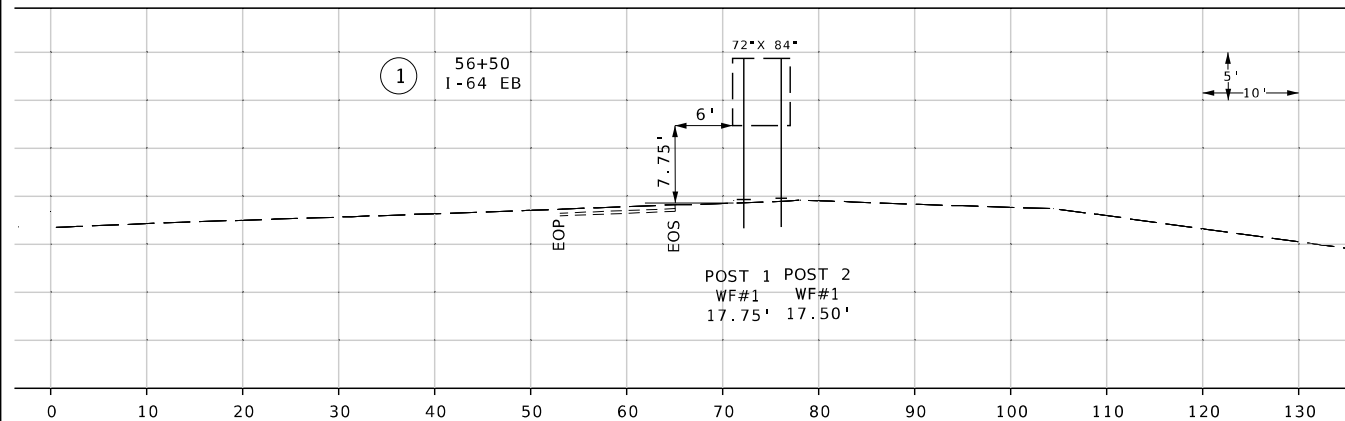
PAVEMENT MARKING LEGEND	
6" SW	6" SOLID WHITE LINE (HBWP, L BEADS)
6" IW	6" INTERMITTENT WHITE LINE (HBWP, L BEADS)
6" DW	6" DOTTED WHITE LINE, 3' STRIPE/9' GAP (HBWP, L BEADS)
6" SY	6" SOLID YELLOW LINE (HBWP, L BEADS)
12" DW	12" DOTTED WHITE LINE, 3' STRIPE/9' GAP (HBWP, L BEADS)
12" SW	12" SOLID WHITE LINE (HBWP, L BEADS)
INLAID PAVEMENT MARKER	
	NOTES: 1. BLACK CONTRAST MARKINGS ARE REQUIRED FOR ALL LANE LINES ON CONCRETE PAVEMENT (NO DIRECT PAY)
	2. HBWP: HIGH BUILD WATERBORNE PAINT
SIGN LEGEND	
	WHITE DOUBLE STACKED DELINEATOR
	WHITE DELINEATOR
	YELLOW DELINEATOR

[illegible]

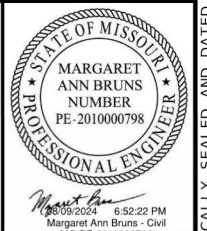
NOTE -
CONTRACTOR SHALL FIELD VERIFY
SIZES OF EXISTING SIGNS BEFORE
ORDERING POSTS.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



PAVEMENT MARKING
& SIGNING
SHEET 9 OF 9



MO PE-2010000798
DATE PREPARED
8/9/2024

ROUTE	STATE
64	MO

DISTRICT	SHEET NO.
SL	69

COUNTY
ST LOUIS

JOB NO.
J6I3538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

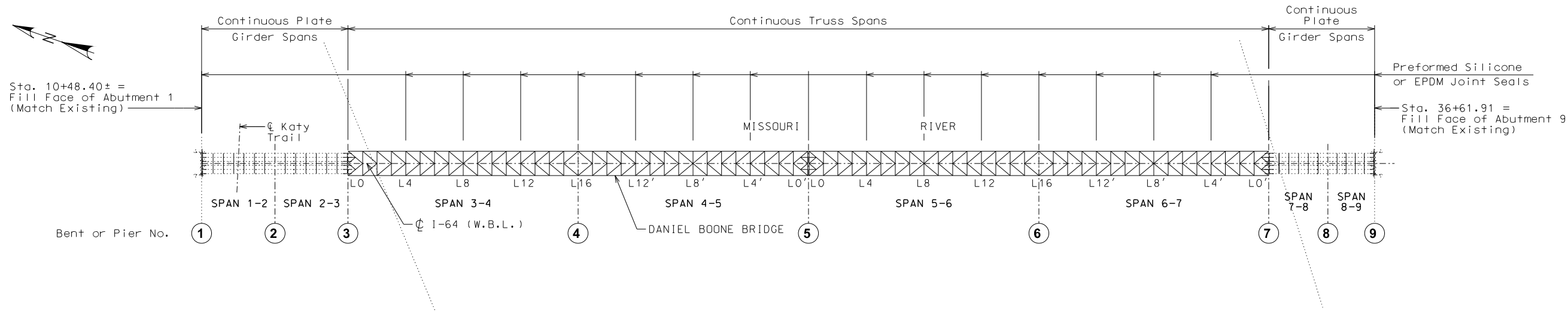
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

EFK♦Moen
Civil Engineering Design
4952 Bennett Parkway, Dr.

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

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

U.I.P. and Rehabilitate Existing (161'-161') Continuous Composite Plate Girder Spans,
(512'-512'-512'-512) Continuous Truss Spans, (130.5'-101.75') Continuous Composite Plate Girder Spans



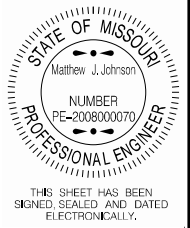
LOCATION SKETCH SHOWING PIER NUMBERING

LOCATION PLAN

REPAIRS TO BRIDGE: I-64(W.B.) OVER
MISSOURI RIVER & KATY TRAIL
ROUTE 1-64 FROM ROUTE 94 TO ROUTE 340
ABOUT 2.2 MILES SOUTHWEST OF ROUTE 94
STA. 10+48.40± (MATCH EXISTING)

Designed July 2023
Detailed July 2023
Checked May 2024

Note: This drawing is not to scale. Follow dimensions. Sheet No. 1 of 11



DATE PREPARED 8/15/2024	
ROUTE I-64	STATE MO
DISTRICT BR	SHEET NO. 1
COUNTY ST. LOUIS/ST. CHARLES	
JOB NO. J613538	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A40173	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRANSYSTEMS CORP.
2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: (816)329-8600
FAX: (816)329-8601

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MO STATE CERTIFICATE OF AUTHORITY # 273
ENGINEERING

Estimated Quantities		
Item		Total
Removal of Existing Expansion Joint Seal or Sealant	linear foot	768
Concrete Crack Filler	sq. yard	14,220
Concrete Wearing Surface Repair	sq. foot	2,509
Half-Sole Repair	sq. foot	3,800
Fatigue Crack Repairs	each	10
Protective Coating - Concrete Bents and Piers	lump sum	1
* Surface Preparation for Recoating Structural Steel	lump sum	1
* Surface Preparation for Overcoating Structural Steel	lump sum	1
* Field Application of Inorganic Zinc Primer	lump sum	1
* Intermediate Field Coat (System G)	lump sum	1
* Finish Field Coat (System G)	lump sum	1
** Surface Preparation for Recoating Structural Steel	sq. foot	2,700
** Surface Preparation for Overcoating Structural Steel	sq. foot	70,200
** Field Application of Inorganic Zinc Primer	sq. foot	2,700
** Intermediate Field Coat (System G)	sq. foot	72,900
** Finish Field Coat (System G)	sq. foot	11,000
Clearance Gauge	lump sum	1
Preformed Silicone or EPDM Expansion Joint Seal	linear foot	768

* Includes steel to be recoated within truss spans (3-4), (4-5), (5-6), & (6-7) including the floor system to be paid by lump sum. Total steel weight of truss spans including floor system is approximately 4,730 Tons.

** Includes steel to be recoated within approach girder spans (1-2), (2-3), (7-8), & (8-9) to be paid per square foot of surface area.

General Notes:

Design Specifications:
2020 - AASHTO LRFD Bridge Design Specifications (9th Edition)
for new construction.
Seismic Design Category = B
Bridge Deck Rating = 7

Design Loading:
HS20-44 Modified

Design Unit Stresses:
Class B-2 Concrete (Half Sole Repair) f'c = 4,000 psi

Structural Steel Protective Coatings (Recoating):

The surface of all existing structural steel located under expansion joints shall be recoated with a complete System G within 10 feet from centerline of all expansion joints as shown in the plans.

Protective Coating:
System G in accordance with Sec 1081.

Surface Preparation:
Surface preparation of the existing steel shall be in accordance with Sec 1081 for Recoating of Structural Steel (System G) with inorganic zinc primer. The cost of surface preparation will be considered completely covered by the contract lump sum price or unit price per square foot for Surface Preparation for Recoating Structural Steel.

Prime Coat:
The cost of the prime coat will be considered completely covered by the contract lump sum price or unit price per sq. foot for Field Application of Inorganic Zinc Primer.

Field Coat(s):
The color of the field coat(s) shall be Gray (Federal Standard #26373) . The cost of the intermediate field coat will be considered completely covered by the contract lump sum price or unit price per square foot for Intermediate Field Coat (System G). The cost of the finish field coat will be considered completely covered by the lump sum price or unit price per square foot for Finish Field Coat (System G).

Structural Steel Protective Coatings (Overcoating):

The surfaces of all existing structural steel other than recoating areas shall be overcoated with System G.

Protective Coating:
System G in accordance with Sec 1081.

Surface Preparation:
Surface preparation of the existing steel shall be in accordance with Sec 1081 for Overcoating of Structural Steel. The cost of surface preparation will be considered completely covered by the contract lump sum price or unit price per square foot for Surface Preparation for Overcoating Structural Steel (System G).

Prime Coat:
Prime coat is not applied.

Field Coat(s):
The color of the field overcoat shall be Gray (Federal Standard #26373) and shall be applied in accordance with Sec 1081.3.4.1.1 and 1081.3.4.1.3. The cost of the intermediate field coat will be considered completely covered by the contract lump sum price or unit price per square foot for Intermediate Field Coat (System G). The cost of the finish field coat will be considered completely covered by the contract lump sum price or unit price per square foot for Finish Field Coat (System G).

For the duration of cleaning and overcoating the truss spans, the truss span superstructure in any span shall not be draped with an impermeable surface subject to wind loads for a length any longer than 1/4 the span length at any one time regardless of height of coverage. Simultaneous work in adjacent spans is permissible using the specified limits in each span.

Joint Filler:
All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

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

Existing coating shall be removed prior to installation of new Urethane.

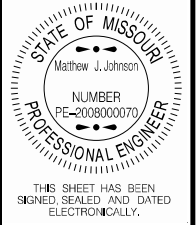
Traffic Control:
Traffic to be maintained on structure during construction. See roadway plans for traffic control.

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

All existing dimensions shown were taken from as-built drawings, shop drawings or limited field measurements.

Longitudinal dimensions are based on original design plans.

Verify Dimensions:
Contractor shall verify all dimensions in field before ordering new material.



DATE PREPARED	
8/16/2024	
ROUTE	STATE
I-64	MO
DISTRICT	SHEET NO.
BR	2
COUNTY	
ST. LOUIS/ST. CHARLES	
JOB NO.	
J613538	
CONTRACT ID.	
.	
PROJECT NO.	
.	
BRIDGE NO.	
A40173	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



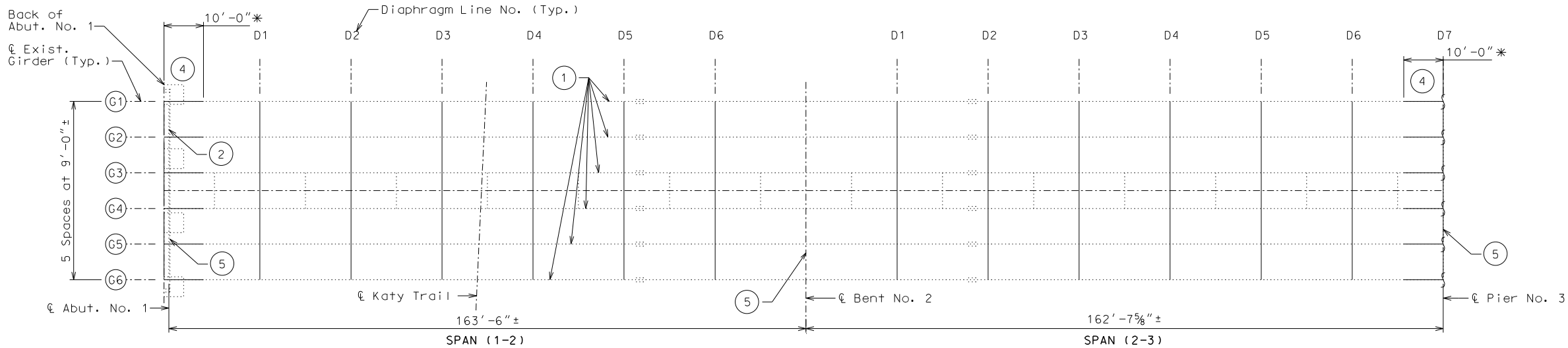
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRANSYSTEMS CORP.
2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: (816)329-8600
FAX: (816)329-8601

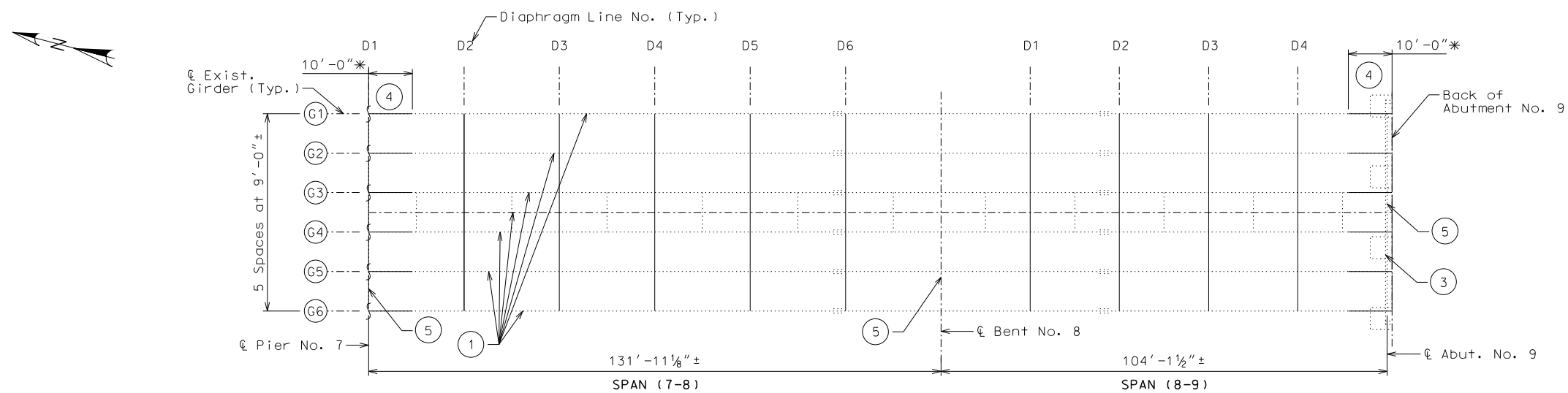


MO STATE CERTIFICATE OF AUTHORITY # 273
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GENERAL NOTES AND SUMMARY OF QUANTITIES



PART FRAMING PLAN



PART FRAMING PLAN

Retrofit/Repair	General Location	Description
①	Approach span girders	Surface Preparation for Overcoat, Intermediate Coat, and Finish Coat, see Sheet No. 7.
②	Expansion Joint Seal, Abutment 1	Replace Prefomed Compression Joint with Prefomed Silicone or EPDM Expansion Joint Seal, See Sheet No. 10.
③	Expansion Joint Seal, Abutment 9	Replace Prefomed Compression Joint with Prefomed Silicone or EPDM Expansion Joint Seal, See Sheet No. 10.
④	Expansion Joints	Surface preparation for Recoating Structural Steel, Prime Coat, Intermediate Coat, and Finish Coat at joints, see Sheet No. 7.
⑤	Abutments and Bents	Urethane Concrete Sealer, see Sheet No. 5.

Notes:

* = Length of full paint system (10'-0"), see Sheet No. 7.

LOCATION OF RETROFITS, REPAIRS & COATING LIMITS - APPROACH SPANS

Detailed July 2023
Checked May 2024

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

Sheet No. 3 of 11



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
8/15/2024

ROUTE
I-64

STATE
MO

DISTRICT
BR

SHEET NO.
3

COUNTY
ST. LOUIS/ST. CHARLES

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A40173

DESCRIPTION	DATE

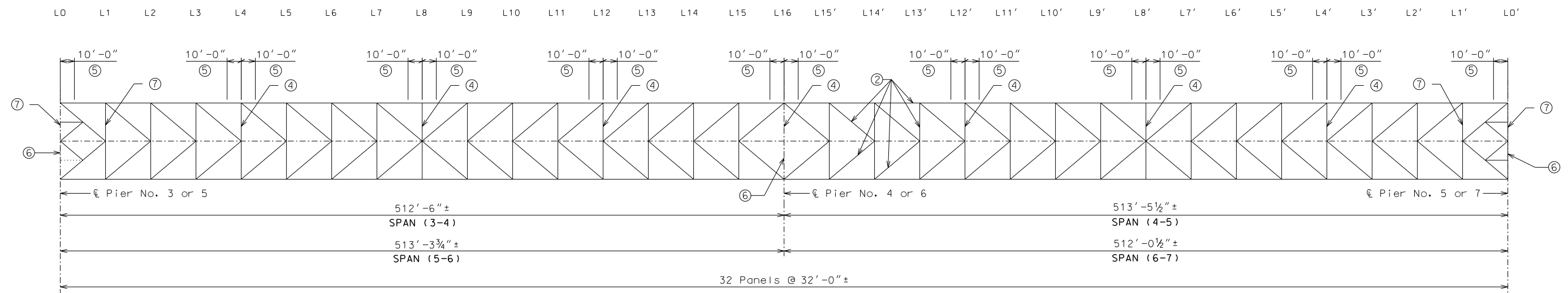
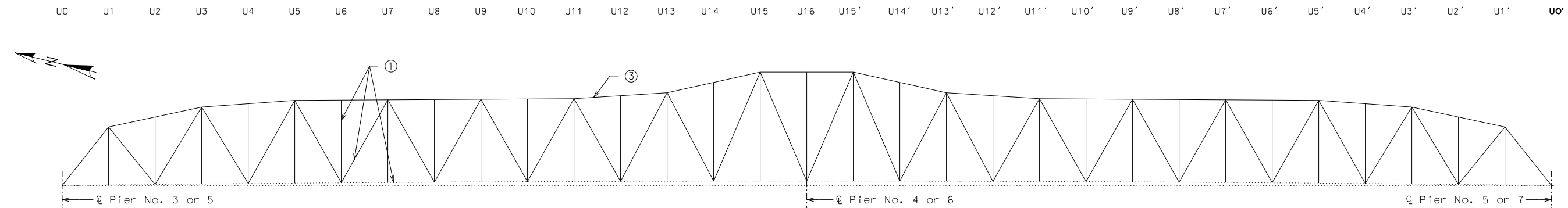
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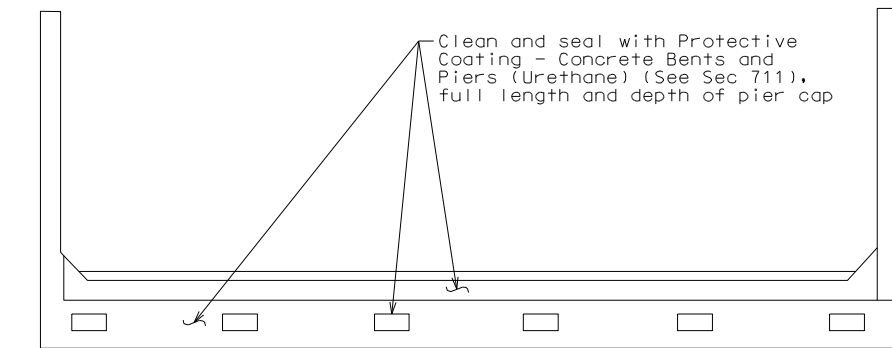
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ENGINEERING

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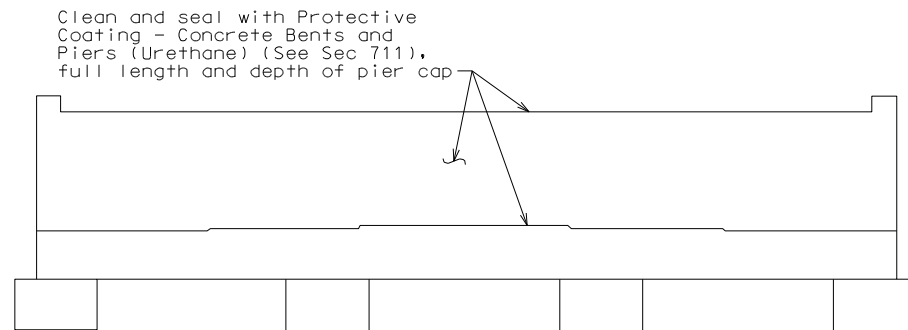


Retrofit/ Repair	General Location	Description
①	Main Truss Members	Surface Preparation for Overcoat, Intermediate Coat, and Finish Coat, see Sheet No. 8.
②	Lower Laterals away from joints	Surface Preparation for Overcoat, Intermediate Coat, and Finish Coat, see Sheet No. 8.
③	Upper Laterals	Surface Preparation for Overcoat, Intermediate Coat, and Finish Coat, see Sheet No. 8.
④	Expansion Joint Seal	Replace Existing Joint Seals With Preformed Silicone or EPDM Expansion Joint Seals, See Sheet No. 10
⑤	Below deck at Expansion Joints	Surface preparation for Recoating Structural Steel, Prime coat, Intermediate coat, and Finish coat at joints, see Sheet No. 8
⑥	Bents	Urethane Concrete Sealer, see Sheet No. 5
⑦	Stringers	Fatigue Crack Repair, see Sheet No. 11.

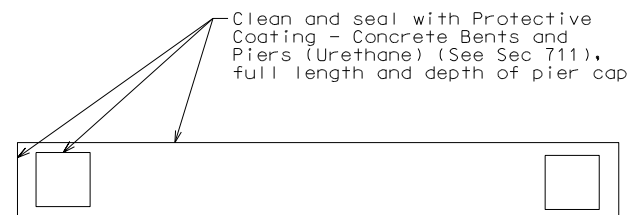
LOCATION OF RETROFITS, REPAIRS & COATING LIMITS - TRUSS SPANS (3-4), (4-5), (5-6), (6-7)



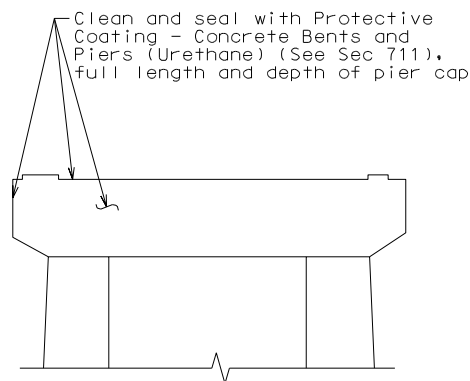
PLAN
Abutment No. 1 & 9



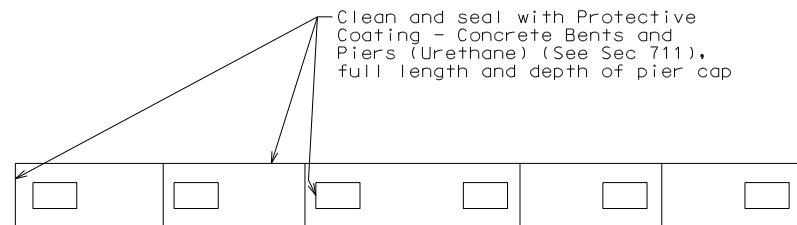
ELEVATION
Abutment No. 1 & 9



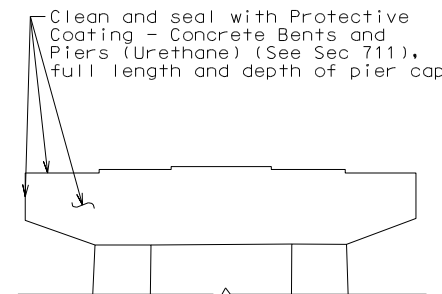
PLAN
(Pier No. 4, 5 & 6)



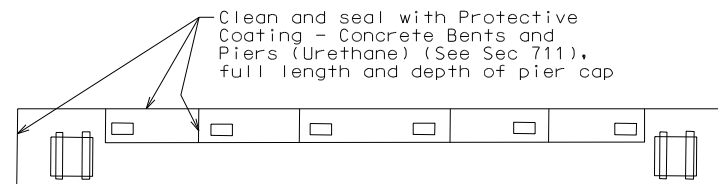
ELEVATION
(Pier No. 4, 5 & 6)



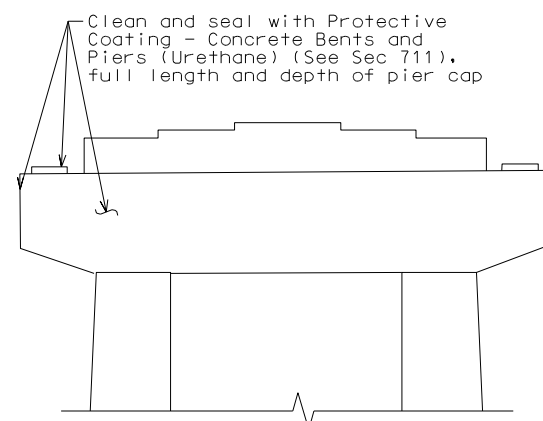
PLAN



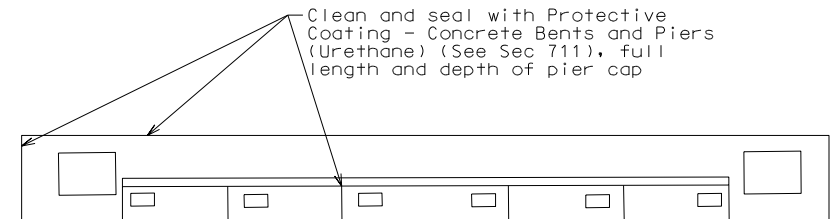
ELEVATION
(Pier No. 2)



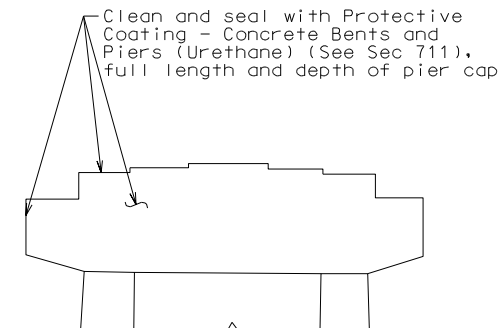
PLAN
(Pier No. 7)



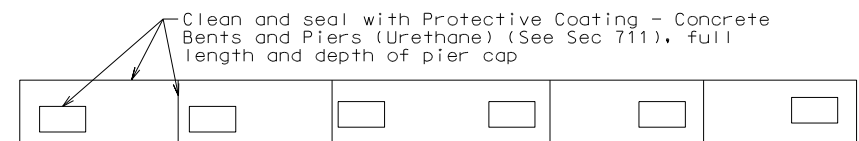
ELEVATION
(Pier No. 7)



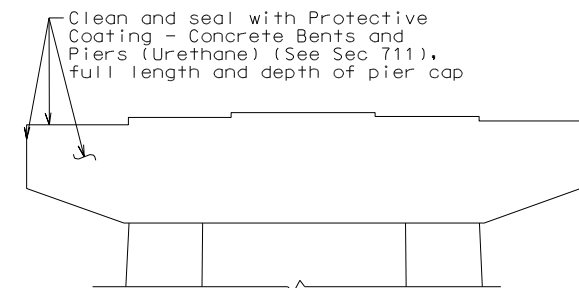
PLAN
(Pier No. 3)



ELEVATION
(Pier No. 3)



PLAN
(Pier No. 8)



ELEVATION
(Pier No. 8)

Notes:

Remove existing coatings and apply new protective coating to pier caps and abutments where exposed, and as shown.

Surface preparation for protective coating shall be in accordance with the manufacturer's recommendations and include removal of any existing coating, all loose or delaminated concrete, as well as any other contaminants or latent materials.

For Clearance Gauge re-coating at Pier 6, see Sheet 6.



THIS SHEET HAS BEEN
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DATE PREPARED
8/15/2024

ROUTE	STATE
I - 64	MO

DISTRICT	SHEET NO.
BR	5

COUNTY
T. LOUIS/ST. CHARLES

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A40173

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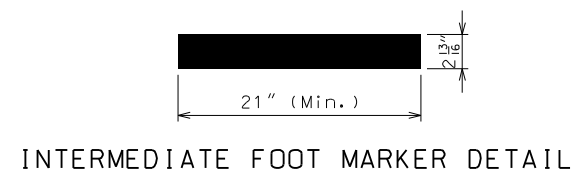
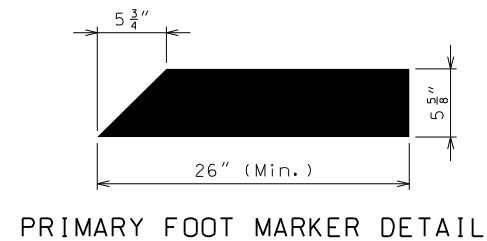
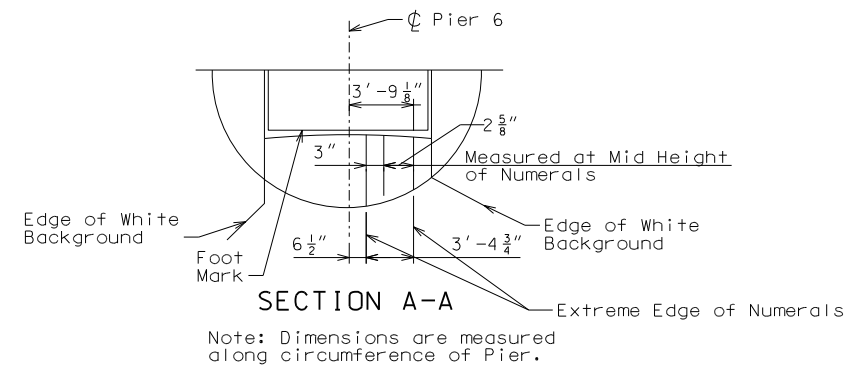
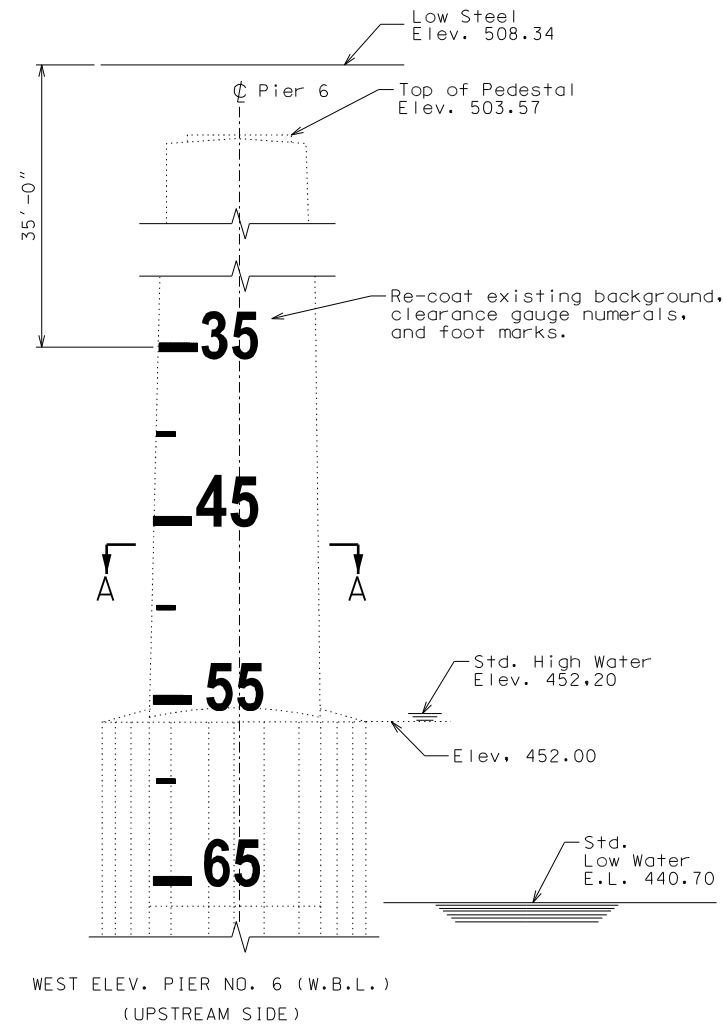


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PHONE: (816)329-8600
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THORITY # 273

TRANSYS

MO STATE CERTIFICATE OF A
ENGINEERING

REV.



Notes:
Water levels shown are based on original construction drawings. Clearance gauges to be re-coated where exposed, above water line, during typical low water period.

Dimensions are measured along circumference of pier.

Primary foot markers shall be spaced at 10'-0" intervals. Intermediate foot markers shall be placed at equal intervals between primary foot markers.

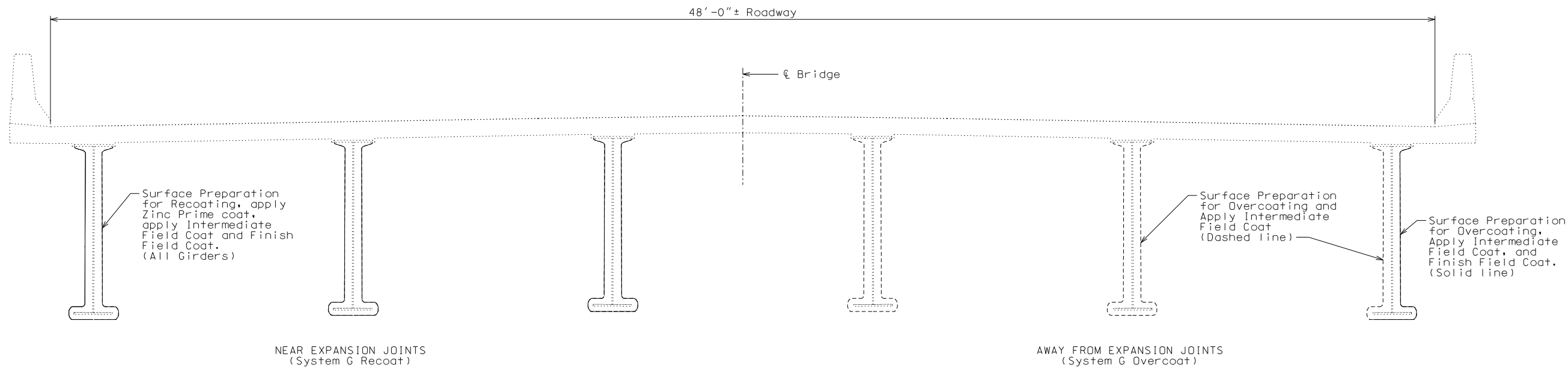
The size, type, and spacing of numerals must conform to the "Standard Alphabets for Highway Signs", Series E Type numerals. Numerals shall be 30" in height.

The furnishing and installation of materials for the Clearance Gauge on each pier shall be considered completely covered by the contract unit price for Clearance Gauge, Lump sum.

Background to be painted white and numerals and foot marks to be painted black, to match existing. See Special Provision.

Contractor shall maintain any existing red navigation placards and ensure they are not painted over.

CLEARANCE GAUGE DETAILS

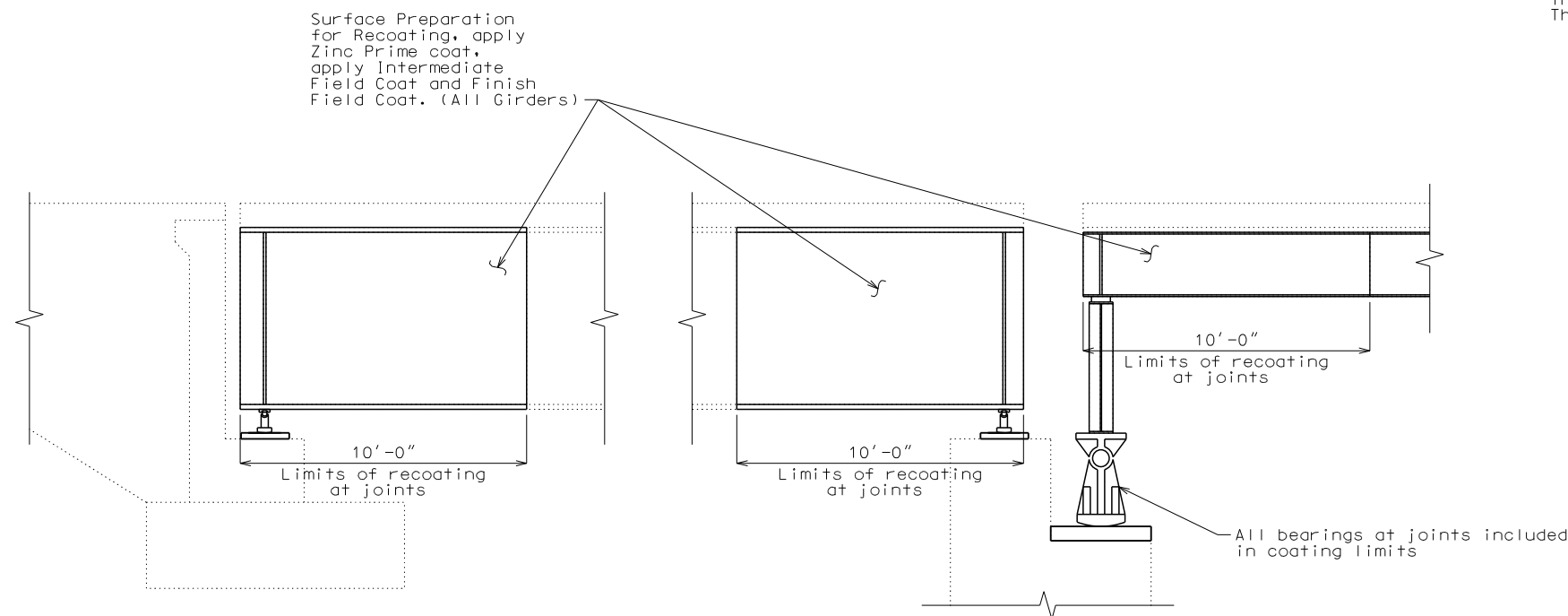


TYPICAL SECTION - GIRDER SPANS

Paint Limits:

At Expansion Devices:
The surface of all existing structural steel located under expansion joints shall be recoated with a complete System G within 10 feet from centerline of all expansion joints. This includes bearings.

Away from Expansion Devices:
The surfaces of all existing structural steel other than recoating areas shall be overcoated with System G. This includes bearings.



TYPICAL ELEVATION AT ABUTMENTS

TYPICAL ELEVATION AT PIERS NO. 3 & 7

STEEL PROTECTIVE COATING LIMITS & DETAILS - APPROACH SPANS (1-2), (2-3), (7-8), (8-9)



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DATE PREPARED
8/15/2024

ROUTE I-64 STATE MO

DISTRICT BR SHEET NO. 7

COUNTY ST. LOUIS/ST. CHARLES

JOB NO. J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A40173

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

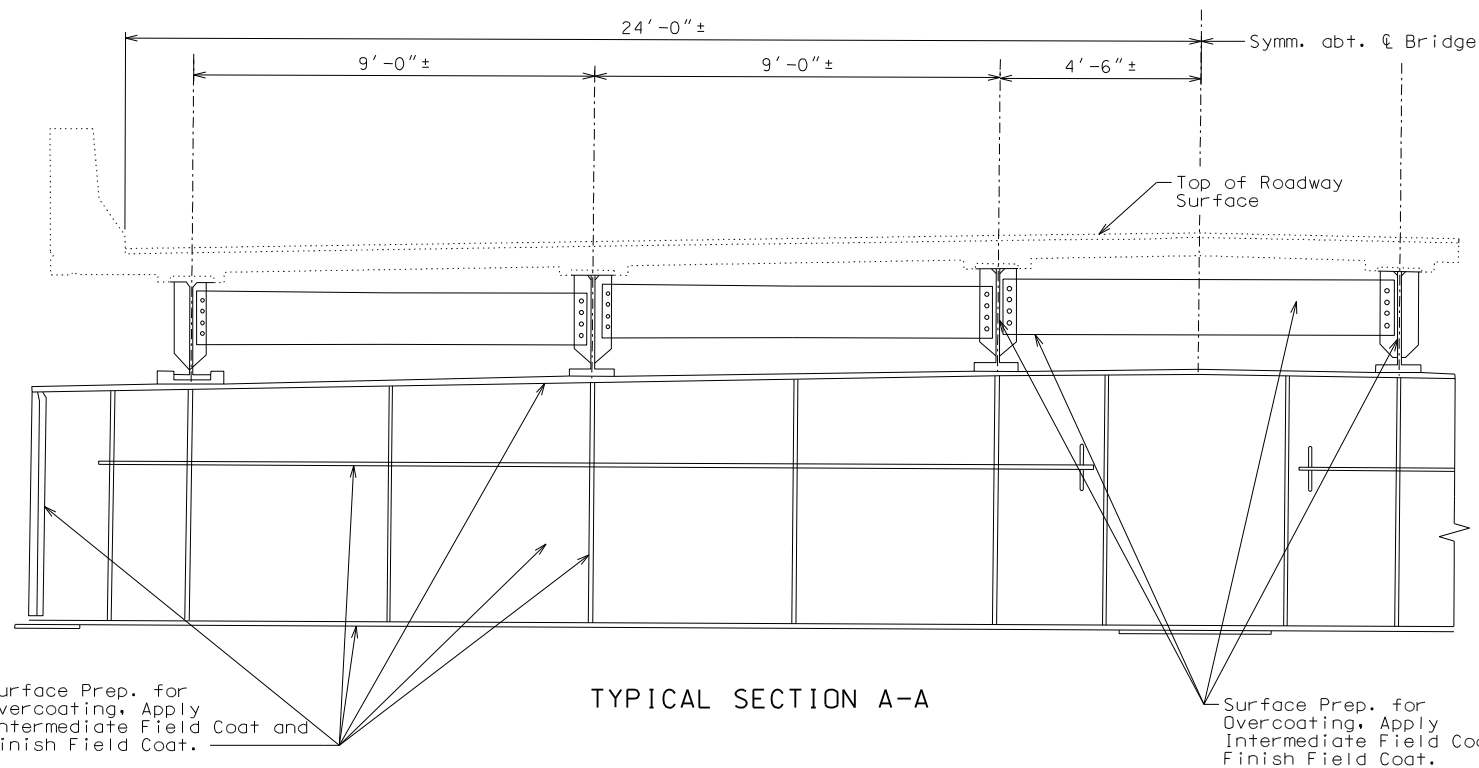
MoDOT

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

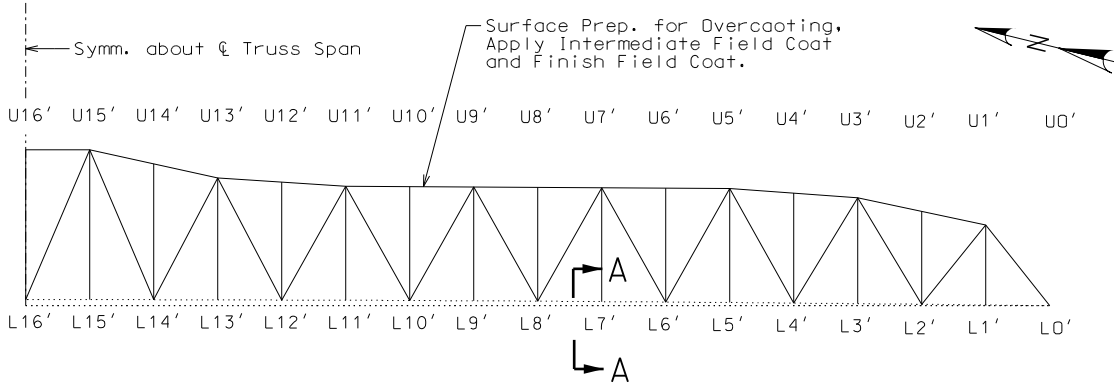
TRANSYSTEMS

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2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: (816)329-8600
FAX: (816)329-8601

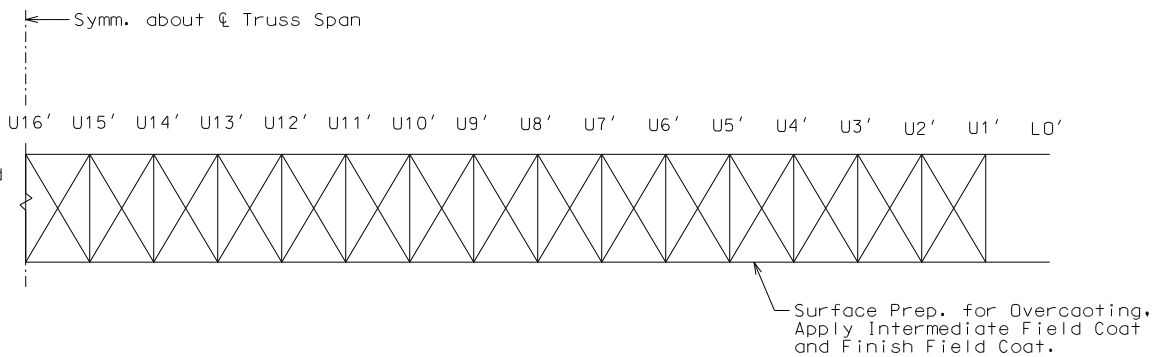
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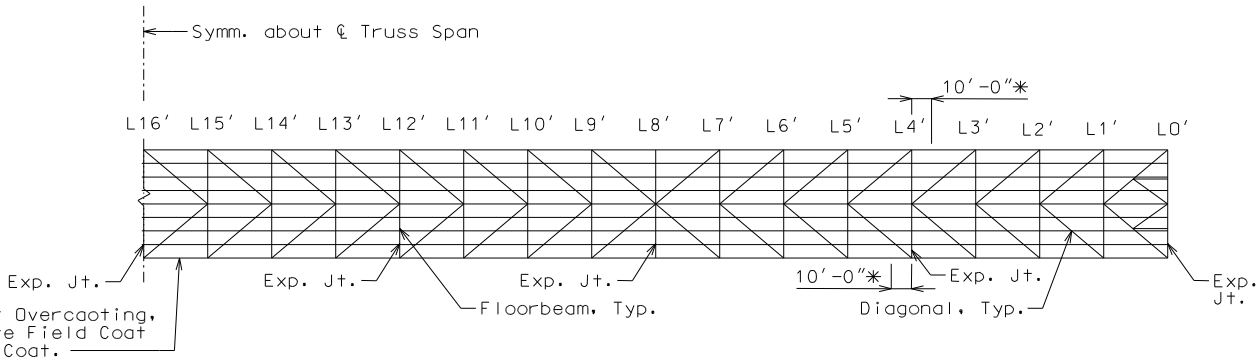
TYPICAL SECTION A-A



PARTIAL ELEVATION OF TRUSS SPAN
(Overcoat only - all members)
(Except bottom chord members near joints)



PARTIAL PLAN OF UPPER LATERALS
(Overcoat only - all members)



PARTIAL PLAN OF LOWER LATERALS
(Full System G Recoat at joints, overcoat all other members)

Expansion joints located at L0, L4, L8, L12, L16, L12', L8', L4', and L0' of each main span truss.

*Limits of full System G Recoat on each side of expansion joint (Typ.). Includes truss bottom chord adjacent to joints.

Paint Limits:

Spans 3-6 (Truss spans):

Near Expansion Devices:

The surface of all existing structural steel including bearings located at or below deck level shall be recoated with a complete System G within 10 feet from centerline of all expansion joints as shown in the plans.

Away from Expansion Devices:

The surfaces of all existing structural steel other than recoating areas shall be overcoated with System G.

PROTECTIVE COATING LIMITS & DETAILS - TRUSS SPANS (3-4), (4-5), (5-6), (6-7)

Detailed July 2023
Checked May 2024

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

Sheet No. 8 of 11

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THIS SHEET HAS BEEN
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DATE PREPARED

8/15/2024

ROUTE STATE

I-64 MO

DISTRICT SHEET NO.

BR 8

COUNTY

ST. LOUIS/ST. CHARLES

JOB NO.

J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

A40173

DESCRIPTION

DATE

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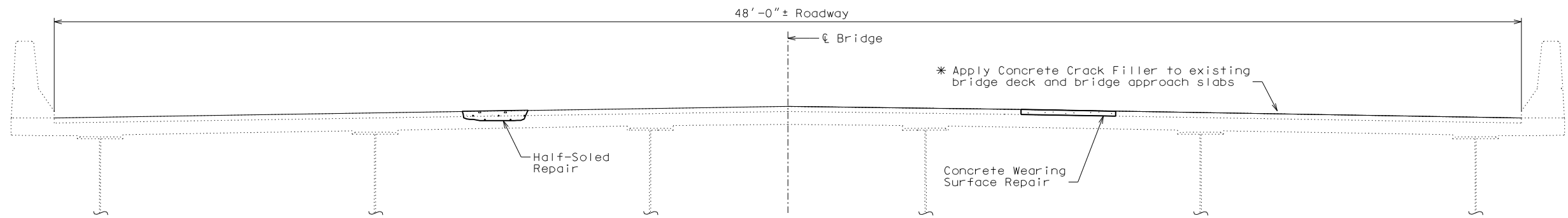
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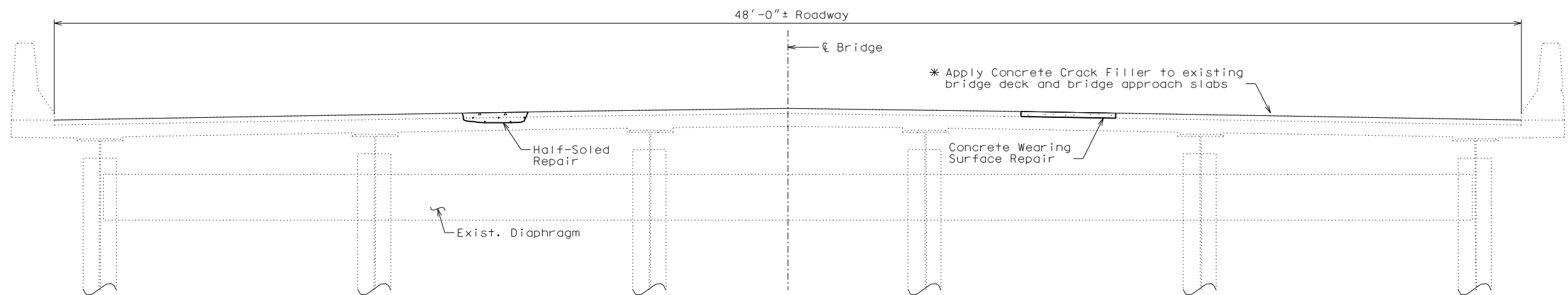
DATE

DATE

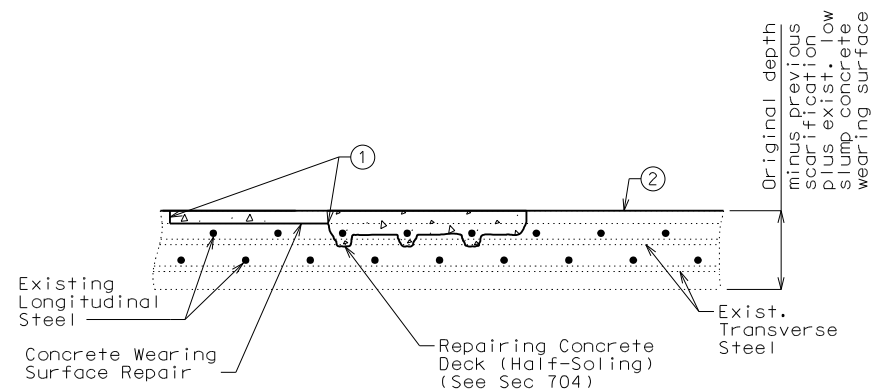
DATE



TYPICAL SECTION THRU EXISTING DECK (APPROACH SPAN)
(Looking West)
* Concrete Crack Filler shall not be applied until after all repairs are completed.



TYPICAL SECTION THRU EXISTING DECK (TRUSS SPAN)
(Looking West)
* Concrete Crack Filler shall not be applied until after all repairs are completed.



CONCRETE SLAB REPAIRS

- ① One inch vertical side shall be established outside the deterioration area. See Sec 704.
- ② Concrete Crack Filler.

Notes:
See Bridge Special Provisions for Concrete Crack Filler.

DETAILS OF CONCRETE CRACK FILLER AND CONCRETE SLAB REPAIR

Detailed July 2023
Checked May 2024

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

Sheet No. 9 of 11



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ELECTRONICALLY.

DATE PREPARED
8/15/2024

ROUTE I-64 STATE MO

DISTRICT BR SHEET NO. 9

COUNTY
ST. LOUIS/ST. CHARLES

JOB NO.
J613538

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A40173

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

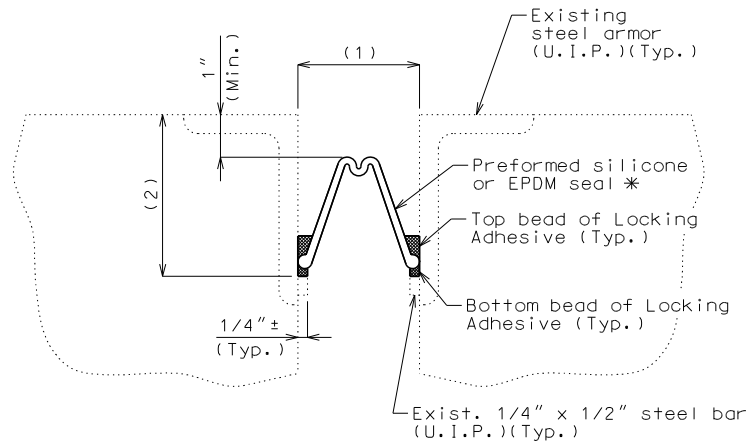
MoDOT

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

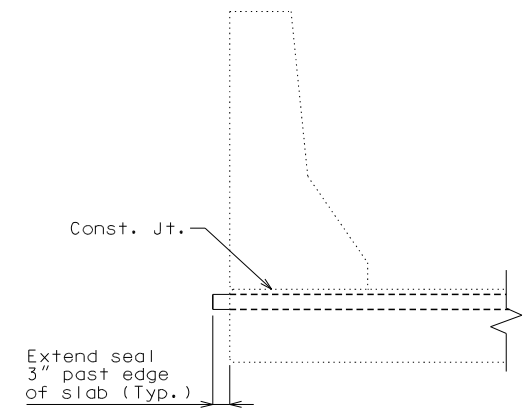
TRANSYSTEMS CORP.
2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: (816)329-8600
FAX: (816)329-8601

TRANSYSTEMS

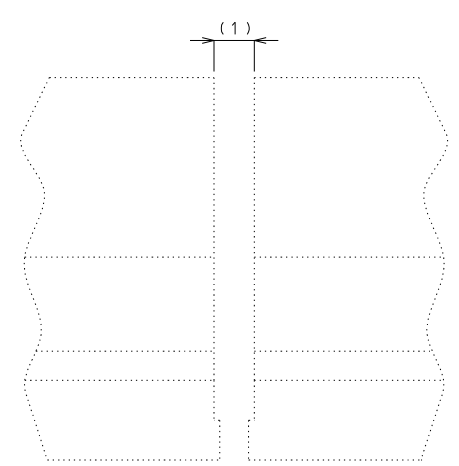
MO STATE CERTIFICATE OF AUTHORITY # 273
ENGINEERING



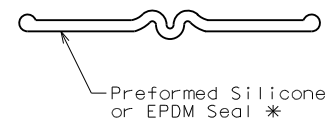
TYPICAL SECTION THRU EXPANSION JOINT
SHOWING PREFORMED SILICONE OR
EPDM EXPANSION JOINT SEAL



SECTION THRU EDGE OF
SLAB NEAR JOINT



PART ELEVATION OF BARRIER
Preformed silicone or EPDM seal not shown for
clarity. Seal installation between barriers
in-place is required.



DETAIL OF SEAL

* Double hump seal shown in figure. Actual
shape of seal may be double or single
hump as per manufacturer.

GENERAL NOTES:
The seal shall be installed in joints in one
continuous piece without field splices. Factory
splicing will be permitted for joints in excess
of 53 feet.
The installation temperature shall be taken as
the actual air temperature averaged over the
24-hour period immediately preceding installation.
(1) Allowed installation gap (±) normal to joint
at roadway surface (see table)
(2) Installation depth (±) per manufacturer's
recommendation
See Sheet No. 1 for locations of joints.

Allowed Transverse Preformed Silicone or EPDM Joint Seals for Truss Joints (14 Joints)							
Manufacturer	Seal Name	Movement Parallel to Roadway	(1) Allowed Installation Gap Normal to Joint at Roadway Surface at Air/Surface Temperature				Type Used (✓)
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	
Watson Bowman Acme Wabo (Preformed Silicone Joint Seal)	Wabo SPS-225	1"	2"	1 15/16"	1 7/8"	1 13/16"	□
D S Brown (EPDM Joint Seal)	V-Seal V-300	1"	2"	1 15/16"	1 7/8"	1 13/16"	□

Allowed Transverse Preformed Silicone or EPDM Joint Seals for Abutment No. 1							
Manufacturer	Seal Name	Movement Parallel to Roadway	(1) Allowed Installation Gap Normal to Joint at Roadway Surface at Air/Surface Temperature				Type Used (✓)
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	
Watson Bowman Acme Wabo (Preformed Silicone Joint Seal)	Wabo SF-400	1 5/8"	3"	2 7/8"	2 5/8"	2 1/4"	□
D S Brown (EPDM Joint Seal)	V-Seal V-400	1 5/8"	3"	2 7/8"	2 5/8"	2 1/4"	□

Allowed Transverse Preformed Silicone or EPDM Joint Seals for Abutment No. 9							
Manufacturer	Seal Name	Movement Parallel to Roadway	(1) Allowed Installation Gap Normal to Joint at Roadway Surface at Air/Surface Temperature				Type Used (✓)
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	
Watson Bowman Acme Wabo (Preformed Silicone Joint Seal)	Wabo SPS-225	7/8"	1 13/16"	1 11/16"	1 5/8"	1 1/4"	□
D S Brown (EPDM Joint Seal)	V-Seal V-300	7/8"	1 13/16"	1 11/16"	1 5/8"	1 1/4"	□

MoDOT Construction Personnel will indicate the type of seal used.

DETAILS OF PREFORMED SILICONE OR EPDM JOINT SEALS

STATE OF MISSOURI
Matthew J. Johnson
NUMBER
PE-2008000070
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
8/15/2024

ROUTE
I-64

DISTRICT
BR

STATE
MO

SHEET NO.
10

COUNTY
ST. LOUIS/ST. CHARLES

JOB NO.
J613538

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
A40173

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

TRANSYSTEMS CORP.
2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: (816)329-8600
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REV.

Detailed July 2023
Checked May 2024

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

Sheet No. 10 of 11

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THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
8/15/2024

ROUTE I-64 STATE MO

DISTRICT BR SHEET NO. 11

COUNTY
ST. LOUIS/ST. CHARLES

JOB NO.
J613538

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
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DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

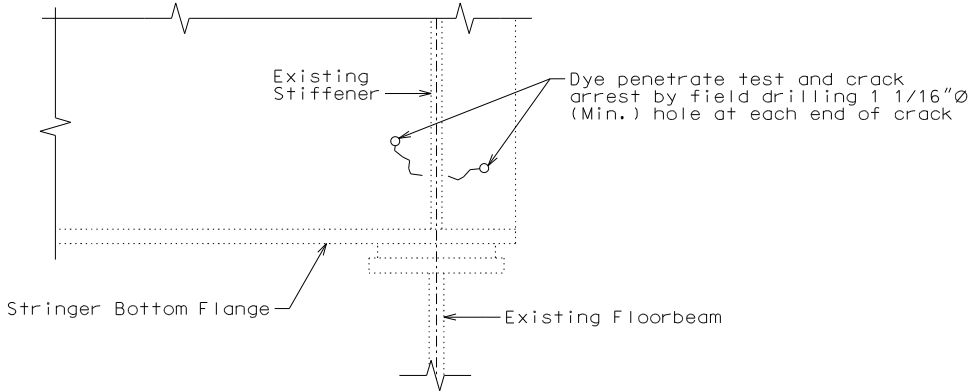


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DETAIL OF WEB CRACK REPAIR

Span	Stringer	Panel	Location	Description
3	2	L0L1	L1	A small vertical stiffener crack at the floorbeam bearing - up to 1" long
4	1	L1'L0'	L1'	A small horizontal stringer web fatigue crack at the bottom of the bearing stiffener
5	1	L0L1	L0	A small horizontal fatigue crack on the stringer web at the bottom of the bearing stiffener at the floorbeam
5	2	L0L1	L0	A small horizontal fatigue crack on the stringer web at the bottom of the bearing stiffener at the floorbeam
5	5	L0L1	L0	A small horizontal fatigue crack on the stringer web at the bottom of the bearing stiffener at the floorbeam
5	6	L0L1	L0	A small horizontal fatigue crack on the stringer web at the bottom of the bearing stiffener at the floorbeam
6	1	L1'L0'	L0'	A 3" crack in the stringer web at the bottom of the bearing stiffener
6	2	L1'L0'	L0'	A small 1" fatigue crack in the stringer web at the bottom of the bearing stiffener
6	5	L1'L0'	L0'	A 3" horizontal fatigue crack in the stringer web at the bottom of the bearing stiffener
6	6	L1'L0'	L0'	A 2 1/2" horizontal fatigue crack in the stringer web at the bottom of the bearing stiffener

Notes:
Repairs shall be completed before local work for repainting.
Number and location of cracks shown are based on visual assessment
and measurement. Contractor to field verify. See Bridge Special
Provisions.

The extent of crack repair may vary from the estimated quantity
but the contract unit price shall prevail regardless of the
variation. Fatigue Crack Repair will be measured per each.

Cost of fatigue crack repair including dye penetrate test and
crack arresting will be considered completely covered by the
contract unit price for Fatigue Crack Repair.

This work shall not be performed under live load directly applied
on slab over girder/stringer under repair.

FATIGUE CRACK REPAIR DETAILS