

A.A.D.T. - 2023 = 11,100  
A.A.D.T. - 2043 = 14,700  
D.H.V. = 7%  
T = 29%  
V = 40 M.P.H.  
D = 51%

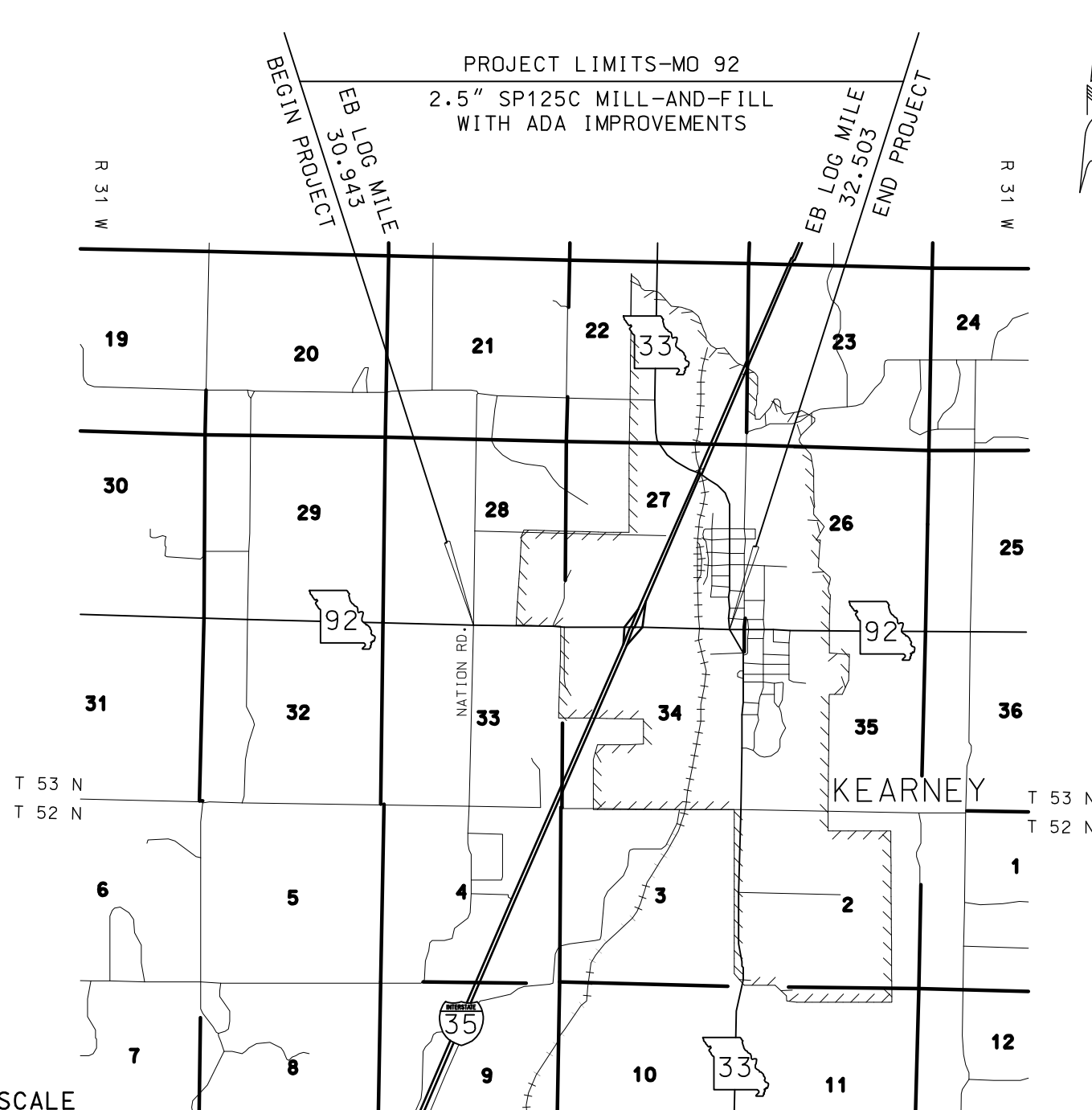
FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

### CONVENTIONAL SYMBOLS (USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE  
EXISTING FEATURES

NOT TO SCALE

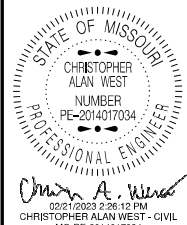


THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY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

DESCRIPTION	NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (4 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-13
TRAFFIC CONTROL SHEETS (TC)-----	14-24
SIGNALS (SG)-----	25-28
SIGNING (SN)-----	29-30
PAVEMENT MARKING (PM)-----	31

BEGINNING OF PROJECT	LOG MILE	30.943	
END OF PROJECT	LOG MILE	32.503	
APPARENT LENGTH		8236.80	FEET
EQUATIONS AND EXCEPTIONS:			
RAILROAD EXCEPTION	LOG MILE	32.308	
	TO LOG MILE	32.311	

TOTAL CORRECTIONS	10.00	FEET
NET LENGTH OF PROJECT	8226.80	FEET
STATE LENGTH	1.558	MILES
FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES	0	ACRES

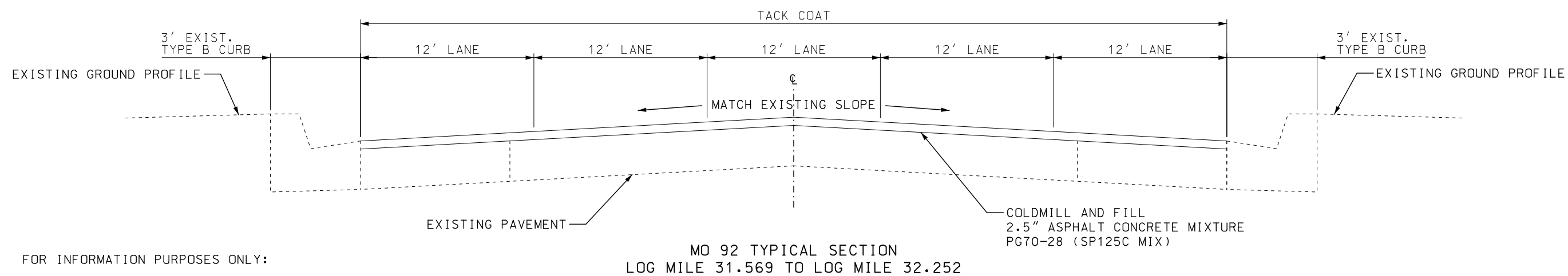
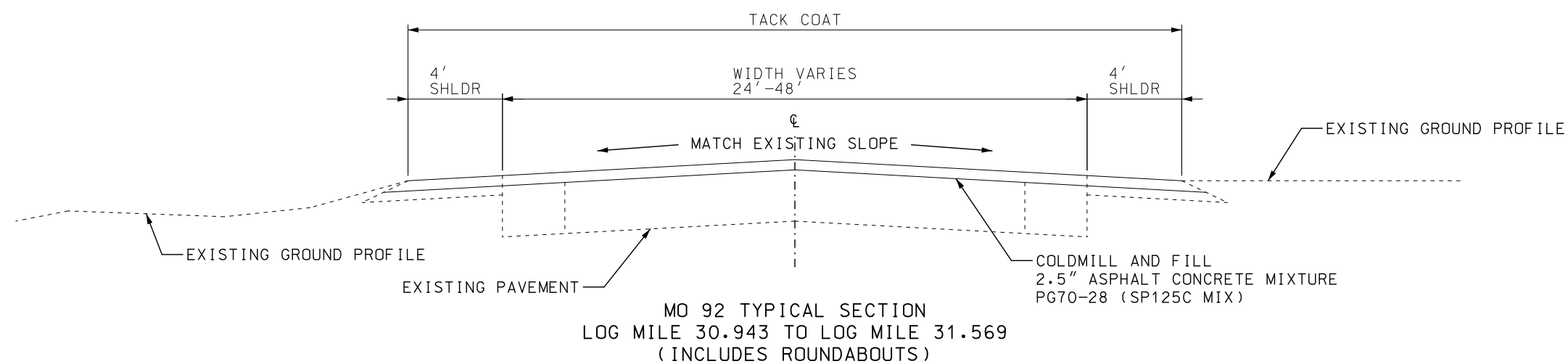


DATE PREPARED	
2/21/2023	
ROUTE	STATE
92	MO
DISTRICT	SHEET NO.
KC	1
COUNTY	
CLAY	
JOB NO.	
J4P3420	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

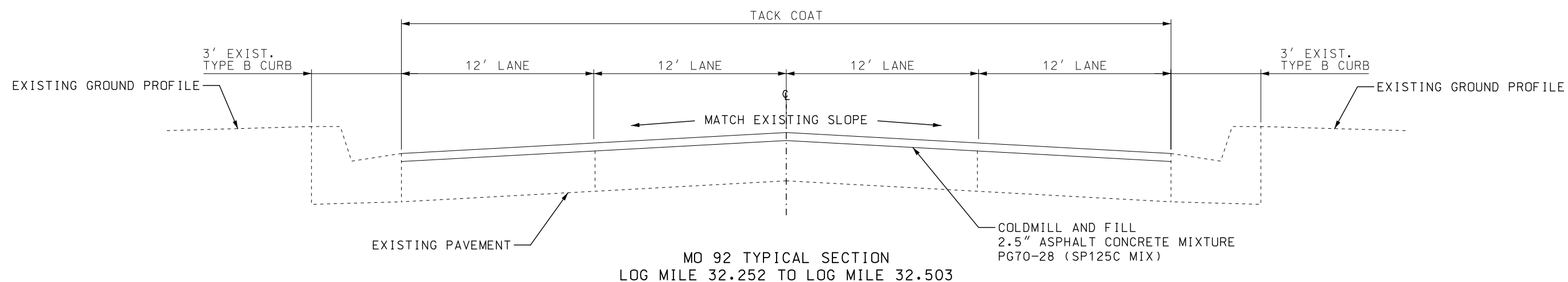
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FOR INFORMATION PURPOSES ONLY:

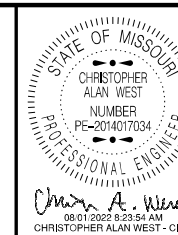
\* ASSUME PG70-28 (SP125C) FACTOR IS 2.003 TONS/CY

\* ASSUME TACK COAT FACTOR IS 0.08 GAL/SY



NOT TO SCALE

TYPICAL SECTION SHEET  
SHEET 1 OF 1

MO-PE-2014017034  
DATE PREPARED

ROUTE	ST
92	M

DISTRICT	SHEET
KC	

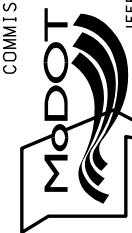
COUNTY	CLAY
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JOB NO.  
J4P3420

CONTRACT ID
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PROJECT NO.
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BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION[illegible]

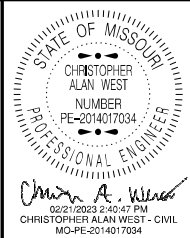
ENTRANCE QUANTITIES									
ENTRANCE NO.	SHEET NO.	LOG MILE	LOCATION	FRONT WIDTH	BACK WIDTH	LENGTH	COLDMILLING BIT. PVMT FOR REMOVAL OF SURFACING (3" OR LESS)	ASPHALTIC CONCRETE MIXTURE PG70-28 (SP125C MIX)*	TACK COAT**
				FT	FT	FT	SY	TON	GAL
1	5	31.188	RT	51	23	15	61.7	8.58	4.9
2	5	31.191	LT	52	30	52	236.9	32.95	19.0
3	5	31.283	RT	39	28	22	81.9	11.39	6.6
4	6	31.627	RT	154	32	77	795.7	110.68	63.7
5	6	31.727	RT	181	46	52	655.8	91.22	52.5
6	7	31.767	RT	91	45	17	128.4	17.86	10.3
7	7	31.813	RT	98	56	19	132.5	18.43	10.6
8	8	31.817	LT				152.3	21.18	12.2
9	8	31.896	RT				2560.7	356.19	204.9
10	9	31.905	LT				2910.8	404.88	232.9
11	9	31.989	RT				1939.3	269.75	155.1
12	10	31.998	LT				2980.0	414.51	238.4
13	10	32.209	RT	81	30	93	573.5	79.77	45.9
14	10	32.210	LT	115	55	35	316.7	44.05	25.3
15	11	32.481	LT				793.2	110.33	63.5
16	11	32.492	RT				703.6	97.87	56.3
SUB TOTALS							15023.0	2089.64	1202.1

PAVEMENT QUANTITIES									
LOG MILE	LOG MILE	LENGTH	WIDTH	SHOULDER WIDTH	COLDMILLING BIT. PVMT FOR REMOVAL OF SURFACING (3" OR LESS)	ASPHALTIC CONCRETE MIXTURE PG70-28 (SP125C MIX)*	TACK COAT**	COMMENTS	
		FT	FT	FT	SY	TON	GAL		
30.943	31.104	850.08			4884.7	679.45	390.8	ROUNDAABOUT	
31.104	31.332	1203.84	24	8	4280.3	595.38	342.4		
31.332	31.38	253.44	24-48	8	1239.0	172.34	99.1		
31.38	31.569	997.92			6861.1	954.36	548.9	ROUNDAABOUT	
31.569	31.774	1082.4	60	0	7216.0	1003.73	577.3		
31.774	31.82	242.88	60	0	1407.1	195.72	112.6		
31.82	31.846	137.28	60-84	0	1098.2	152.76	87.9		
31.846	31.88	179.52	84	0	1675.5	233.06	134.0		
31.88	31.886	31.68	60	0	211.2	29.38	16.9		
31.886	31.937	269.28	84	0	2513.3	349.59	201.1		
31.937	31.984	248.16	84	0	2316.2	322.18	185.3		
31.984	31.994	52.8	66	0	387.2	53.86	31.0		
31.994	32.059	343.2	60-90	0	2860.0	397.82	228.8		
32.059	32.081	116.16	60	0	610.2	84.88	48.8		
32.081	32.11	153.12	66	0	1079.0	150.09	86.3		
32.11	32.153	227.04	60	0	1513.6	210.54	121.1		
32.153	32.178	132	72	0	1056.0	146.89	84.5		
32.178	32.187	47.52	78	0	411.8	57.28	32.9		
32.187	32.252	343.2	60	0	2288.0	318.25	183.0		
32.252	32.299	248.16	48-60	0	1489.0	207.12	119.1		
32.303	32.464	850.08	48	0	4533.8	630.64	362.7		
32.464	32.503	205.92	36	0	823.7	114.57	65.9		
SUB TOTALS					50754.9	7059.9	4060.4		
PAVEMENT SUB TOTALS					50754.9	7059.9	4060.4		
ENTRANCE SUB TOTALS					15023.0	2089.6	1202.1		
PAY TOTALS					65778	9149.5	5263		

SIGNAL QUANTITIES				
LOG MILE	LOCATION	INTERSECTION	ACCESSIBLE PEDESTRIAN SIGNALS (PUSHBUTTONS)	PULL BOX CONCRETE DOUBLE TYPE B
			EA	EA
31.709	RT	MO 92 AND N COUNTRY AVE	1	
31.710	LT	MO 92 AND BENNETT BLVD	1	
31.715	RT	MO 92 AND N COUNTRY AVE	1	
31.716	LT	MO 92 AND BENNETT BLVD	1	
31.739	LT	MO 92 AND N COUNTRY AVE	1	
31.742	RT	MO 92 AND N COUNTRY AVE	2	
31.743	LT	MO 92 AND BENNETT BLVD	1	
31.893	RT	MO 92 TO I-35 SB	1	
31.906	RT	MO 92 TO I-35 SB	1	
31.977	RT	I-35 NB TO MO 92	1	
32.002	RT	I-35 NB TO MO 92	1	
32.196	RT	MO 92 AND REGENCY DR	1	
32.200	LT	MO 92 AND PLATTE CLAY WAY	2	
32.219	LT	MO 92 AND PLATTE CLAY WAY	1	1
32.477	LT	MO 92 AND MO 33	1	
32.478	RT	MO 92 AND MO 33	2	
32.478	LT	MO 92 AND MO 33	1	
32.489	LT	MO 92 AND MO 33	1	
32.493	RT	MO 92 AND MO 33	1	
32.494	LT	MO 92 AND MO 33	1	
32.494	RT	MO 92 AND MO 33	1	
PAY TOTAL			24	1

PEDESTRIAN QUANTITIES							
LOG MILE	LOG MILE	LOCATION	CONCRETE CURB RAMP	TRUNCATED DOMES	3" CONCRETE MEDIAN STRIP	CONCRETE SIDEWALK (4")	SIDEWALK REMOVALS
			SY	SF	SY	SY	SY
31.710	31.712	LT	7.02	20.0			7.02
31.710	31.711	LT				2.78	2.78
31.986	31.988	RT		16.0	20.80		
32.216	32.218	LT	5.83	10.0			5.83
32.366	32.372	LT				16.67	16.67
32.376	32.382	LT				16.67	16.67
32.460	32.462	RT	6.85	10.0			6.85
32.462	32.473	RT				32.27	32.27
SUB TOTALS			19.70	56.0	20.80	68.39	88.1
PAY TOTALS			19.7	56	20.8	68.4	


REMOVAL OF IMPROVEMENTS QUANTITIES			MOBILIZATION	
LOG MILE	LOG MILE	ITEM AND QUANTITY	ONE LUMP SUM	
31.709	32.494	24 ACCESSIBLE PUSHBUTTONS		
31.710	32.473	88.1 SY CONCRETE SIDEWALK		
31.987		1 EA SIGN		
32.219		1 EA PULL BOX		
ONE LUMP SUM				



DATE PREPARED 2/21/2023	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CLAY	
JOB NO. J4P3420	
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)





PAVEMENT MARKING QUANTITIES

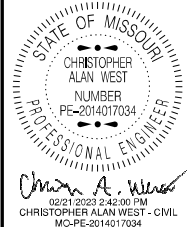
LOCATION	LOG MILE	LOG MILE	LENGTH	6" WHITE HIGH BUILD WATERBORNE PVMT MARKING PAINT TYPE L BEADS	12" WHITE HIGH BUILD WATERBORNE PVMT MARKING PAINT TYPE L BEADS	4" YELLOW HIGH BUILD WATERBORNE PVMT MARKING PAINT TYPE L BEADS	PREFORMED THERMOPLASTIC PVMT MARKING 12" WHITE YIELD LINE TRIANGLES	PREFORMED THERMOPLASTIC PVMT MARKING 30" WHITE MIDBLOCK	PREFORMED THERMOPLASTIC PVMT MARKING LEFT/RIGHT ARROW	PREFORMED THERMOPLASTIC PVMT MARKING 24" WHITE	PREFORMED THERMOPLASTIC PVMT MARKING STRAIGHT ARROW	PREFORMED THERMOPLASTIC PVMT MARKING R/R CROSSING MARKING	PREFORMED THERMOPLASTIC PVMT MARKING COMBINATION STRAIGHT/LEFT/RIGHT
				LF	LF	LF	EA	EA	EA	LF	EA	EA	EA
I-35 SB OFF-RAMP	0.016	0.146	686.4	1106.15	72.48	613.92			2				
I-35 SB OFF-RAMP	0.146	0.159	68.64	205.92		68.64							
I-35 NB OFF-RAMP	0.042	0.142	528.00	934.26		528.00			4				2
I-35 NB OFF-RAMP	0.148	0.157	47.52	237.60		47.52				53			
I-35 NB OFF-RAMP	0.156							13					
I-35 NB ON-RAMP	0.009	0.015	31.68	224.07		31.68			1				
I-35 NB ON-RAMP	0.015	0.154	733.92	733.92		733.92							
REGENCY DR N	1.027	1.037	52.8	158.40		105.60			2	30			1
REGENCY DR N	1.037	1.042	26.4	59.40						12			
PLATTE CLAY WAY N	0.009							11					
MO 33 N	5.306	5.313	36.96	110.88		73.92				11			
MO 33 N	5.313	5.315	10.56	31.68						11			
MO 33 N	5.316							3					
MO 33 N	5.318							12					
MO 33 N	5.328	5.334	31.68	31.68									
MO 33 N	5.332							7					
MO 33 N	5.334	5.337	15.84	47.52						14			
MO 33 N	5.336							3					
MO 33 N	5.337	5.344	36.96	110.88		73.92				11			
MO 33 N	5.344	5.347	15.84	31.68		31.68							
SUBTOTALS				4024.04	72.48	2308.80	0	49	9	142	0	0	3
SHEET 1 SUBTOTALS				19888.6	0.0	20307.8	39	133	38	606	2	3	0
SHEET 2 SUBTOTALS				4024.0	72.5	2308.8	0	49	9	142	0	0	3
PAY TOTALS				23913	73	22617	39	182	47	748	2	3	3

THE TABLE ABOVE IS ONLY USED TO CALCULATE QUANTITIES ONLY. EXISTING MARKINGS TO BE LOGGED BY THE CONTRACTOR. SEE JSP

PARTIAL DEPTH PAYMENT REPAIR

LOCATION	LOG MILE	LANE	LENGTH	WIDTH	REMOVAL FOR CLASS C PARTIAL DEPTH PVMT REPAIR	FURNISHING AND PLACING BIT. MATERIAL FOR CLASS C PARTIAL DEPTH PVMT REPAIR*	COMMENTS
			FT	FT	SY	TON	
MO 92 WB	7.174	1	2	12	2.67	0.67	
MO 92 WB	7.196	1	2	12	2.67	0.67	
MO 92 WB	7.209	1	2	12	2.67	0.67	
MO 92 WB	7.241	1	2	3	0.67	0.17	
MO 92 WB	7.395	2	2	12	2.67	0.67	
MO 92 WB	7.430	1	6	12	8.00	2.00	
MO 92 WB	7.494	1	2	20	4.44	1.11	ACROSS TURN LANE MEDIAN
MO 92 WB	7.502	1	2	24	5.33	1.33	LEFT TURN LANE
MO 92 WB	7.527	1	2	12	2.67	0.67	
MO 92 WB	7.763	3	2	24	5.33	1.33	RIGHT TURN LANE
MO 92 WB	8.491	3	2	24	5.33	1.33	
MO 92 EB	31.105	1	2	12	2.67	0.67	
MO 92 EB	31.141	1	2	3	0.67	0.17	
MO 92 EB	31.142	1	2	3	0.67	0.17	
MO 92 EB	31.564	1,2	2	24	5.33	1.33	
MO 92 EB	31.737	1,2	2	24	5.33	1.33	
MO 92 EB	31.747	1,2	2	24	5.33	1.33	
MO 92 EB	31.770	1,2	2	24	5.33	1.33	
MO 92 EB	31.776	1,2	2	24	5.33	1.33	
MO 92 EB	31.780	1,2	2	24	5.33	1.33	
MO 92 EB	31.798	1,2	2	24	5.33	1.33	
MO 92 EB	31.823	2	2	6	1.33	0.33	
MO 92 EB	31.870	2	2	6	1.33	0.33	
MO 92 EB	31.990	2	4	6	2.67	0.67	
MO 92 EB	32.100	1	2	20	4.44	1.11	ACROSS TURN LANE MEDIAN
MO 92 EB	32.102	2	2	3	0.67	0.17	
MO 92 EB	32.252	1,2	2	24	5.33	1.33	
MO 92 EB	32.263	1	2	12	2.67	0.67	
MO 92 EB	32.470	2	2	12	2.67	0.67	
PAY TOTALS					104.9	26.2	

\* ASSUME FACTOR OF 2.003 TONS/CY



DATE PREPARED  
2/21/2023  
ROUTE 92 STATE MO  
DISTRICT KC SHEET NO. 3


COUNTY  
CLAY  
JOB NO.  
J4P3420  
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)

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

EFFECTIVE: 04-01-2021																
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN			ITEM	TOTAL					
IN.	sq.ft.	each	sq.ft.	each	sq.ft.	NUM.	SIGN	IN.	sq.ft.	each	sq.ft.	NUM.	DESCRIPTION			
WARNING SIGNS							GUIDE SIGNS							DESCRIPTION		
W01-1L	48X48	16.00					TURN (SYMBOL LEFT ARROW)	E05-1	36X48	12.00			GORE EXIT	6122008	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
W01-1R	48X48	16.00					TURN (SYMBOL RIGHT ARROW)	E05-2	48X36	12.00			EXIT OPEN	6122009	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
W01-2L	48X48	16.00					CURVE (SYMBOL LEFT ARROW)	E05-2a	48X36	12.00			EXIT CLOSED	6122010	IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
W01-2R	48X48	16.00					CURVE (SYMBOL RIGHT ARROW)	G020-1	60X24	10.00			ROAD WORK NEXT XX MILES	6122012	IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
W01-3L	48X48	16.00	2	32.0			REVERSE TURN (SYMBOL LEFT ARROW)	G020-2	48X24	8.00			END ROAD WORK	6122014	IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
W01-3R	48X48	16.00					REVERSE TURN (SYMBOL RIGHT ARROW)	G020-4	36X18	4.50	1	4.5	PILOT CAR FOLLOW ME	6122017	IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
W01-4L	48X48	16.00	2	32.0			REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4a	42X30	8.75	2	17.5	PILOT CAR IN USE WAIT & FOLLOW	6122019	IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
W01-4R	48X48	16.00					REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-4a	18X12	1.50			PILOT CAR IN USE WAIT & FOLLOW	6122020	REPLACEMENT SAND BARREL	
W01-4bL	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	G020-5aP	36X24	6.00	4	24.0	WORK ZONE (PLAQUE)	6122030	IMPACT ATTENUATOR (RELOCATION)	
W01-4bR	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	M04-8a	24X18	3.00			END DETOUR	6123000A	2 TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	
W01-4cL	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	M04-9L	48X36	12.00			DETOUR (LEFT ARROW)	6161008	2 ADVANCED WARNING RAIL SYSTEM	
W01-4cR	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	M04-9R	48X36	12.00			DETOUR (RIGHT ARROW)	6161012	BUOYS (BOATS KEEP OUT)	
W01-6	60X30	12.50					HORIZONTAL ARROW (SYMBOL)	M04-9P	48X12	4.00			STREET NAME (PLAQUE)	6161013	BUOYS (NO WAKE)	
W01-6a	72X36	18.00					HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	M04-10L	48X18	6.00			DETOUR (ARROW LEFT)	6161014	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
W01-7	60X30	12.50					DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	M04-10R	48X18	6.00			DETOUR (ARROW RIGHT)	6161025	151 CHANNELIZER (TRIM LINE)	
W01-7a	72X36	18.00					DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS						6161030	6 TYPE III MOVEABLE BARRICADE	
W01-8	18X24	3.00					CHEVRON (SYMBOL)	R1-1	48X48	13.25			STOP	6161033	DIRECTION INDICATOR BARRICADE	
W01-8a	30X36	7.50					CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93			YIELD	6161040	5 FLASHING ARROW PANEL	
W03-1	48X48	16.00					STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00			TYPE III ONCOMING TRAFFIC (PLAQUE)	6161047	TYPE III OBJECT MARKER	
W03-2	48X48	16.00					YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50			ALL WAY (PLAQUE)	6161051	WARNING LIGHT, TYPE A	
W03-3	48X48	16.00					SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	2	24.0	SPEED LIMIT 40	6161052	WARNING LIGHT, TYPE B	
W03-4	48X48	16.00					BE PREPARED TO STOP	R2-1	36X48	12.00	2	24.0	SPEED LIMIT 30	6161053	WARNING LIGHT, TYPE C	
W03-5	48X48	16.00					SPEED LIMIT AHEAD	R2-1	36X48	12.00	4	48.0	SPEED LIMIT 35	6161055	SEQUENTIAL FLASHING WARNING LIGHT	
W04-1L	48X48	16.00					MERGE (SYMBOL FROM LEFT)	R2-1	36X48	12.00	2	24.0	SPEED LIMIT 25	6161070	TUBULAR MARKER	
W04-1R	48X48	16.00					MERGE (SYMBOL FROM RIGHT)	R3-1	48X48	16.00			NO RIGHT TURN (SYMBOL)	6161095	RADAR SPEED ADVISORY SYSTEM	
W04-1aL	48X48	16.00					MERGE (ARROW SYMBOL)	R3-2	48X48	16.00			NO LEFT TURN (SYMBOL)	6161096	2 CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
W04-1aR	48X48	16.00					MERGE (ARROW SYMBOL)	R3-3	36X36	9.00			NO TURNS		6161098A	2 CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
W05-1	48X48	16.00					ROAD/BRIDGE/RAMP NARROWS	R3-4	48X48	16.00			NO U-TURN (SYMBOL)		6161099	2 CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
W05-3	48X48	16.00					ONE LANE BRIDGE	R3-7L	30X30	6.25	2	12.5	LEFT LANE MUST TURN LEFT	6162000A	WORK ZONE TRAFFIC SIGNAL SYSTEM	
W05-5	48X48	16.00					NARROW LANES	R3-7R	30X30	6.25	2	12.5	RIGHT LANE MUST TURN RIGHT	6162002	TEMPORARY LONG-TERM RUMBLE STRIPS	
W06-1	48X48	16.00					DIVIDED HIGHWAY (SYMBOL)	R4-1	36X48	12.00			DO NOT PASS	6162004	TEMPORARY SHORT-TERM RUMBLE STRIPS	
W06-2	48X48	16.00					DIVIDED HIGHWAY END (SYMBOL)	R4-2	36X48	12.00			PASS WITH CARE	6169902	6 ADA COMPLIANT MOVEABLE BARRICADE	
W06-3	48X48	16.00					TWO WAY TRAFFIC (SYMBOL)	R4-8a	36X48	12.00			KEEP LEFT (HORIZONTAL ARROW)	61736000	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED	
W07-3a	30X24	5.00					NEXT XX MILES (PLAQUE)	R4-7a	36X48	12.00	4	48.0	KEEP RIGHT (HORIZONTAL ARROW)		6173602B	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
W08-1	48X48	16.00					BUMP	R5-1	30X30	6.25			DO NOT ENTER		6174000A	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
W08-2	48X48	16.00					DIP	R5-1a	36X24	6.00			WRONG WAY	6175010A	RELOCATING TEMPORARY TRAFFIC BARRIER	
W08-3	48X48	16.00					PAVEMENT ENDS	R6-1L	54X18	6.75			ONE WAY ARROW (LEFT)	6176000B	TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED	
W08-4	48X48	16.00					SOFT SHOULDER	R6-1R	54X18	6.75			ONE WAY ARROW (RIGHT)		6177000B	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
W08-5	48X48	16.00					SLIPPERY WHEN WET (SYMBOL)	R6-2L	24X30	5.00			ONE WAY (LEFT)		6208064A	TEMPORARY RAISED PAVEMENT MARKER
W08-6	48X48	16.00					TRUCK CROSSING (WITH FLAGS)	R6-2R	24X30	5.00			ONE WAY (RIGHT)	9029400	TEMPORARY TRAFFIC SIGNALS	
W08-6c	48X48	16.00					TRUCK ENTRANCE	R9-9	24X12	2.00	12	24.0	SIDEWALK CLOSED	9029401	TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
W08-7	36X36	9.00					LOOSE GRAVEL	R9-11L	24X18	3.00	3	9.0	SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			
W08-7a	36X36	9.00					FRESH OIL/LOOSE GRAVEL	R9-11R	24X18	3.00	3	9.0	SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE			
W08-9	48X48	16.00					LOW SHOULDER	R10-6	24X36	6.00			STOP HERE ON RED (45° ARROW)			
W08-11	48X48	16.00					UNEVEN LANES	R11-2	48X30	10.00	2	20.0	ROAD CLOSED			
W08-12	48X48	16.00					NO CENTER LINE	R11-3a	60X30	12.50			ROAD CLOSED XX MILES AHEAD			
W08-15	48X48	16.00					GROOVED PAVEMENT	R11-4	60X30	12.50			LOCAL TRAFFIC ONLY			
W08-15P	30X24	5.00					MOTORCYCLE (PLAQUE)	CONST-3A	60X48	20.00			ROAD CLOSED TO THRU TRAFFIC			
W08-17	48X48	16.00					SHOULDER DROP-OFF (SYMBOL)	CONST-3X	56X12	4.67			FINE SIGN			
W08-17P	30X24	5.00					SHOULDER DROP-OFF (PLAQUE)	MISCELLANEOUS SIGNS								
W10-1	42RND.	9.62					RAILROAD CROSSING	CONST-5	48X36	12.00			POINT OF PRESENCE			
W012-1	24X24	4.00					DOUBLE DOWN ARROW (SYMBOL)	CONST-5	96X48	32.00	2	64.0	POINT OF PRESENCE			
W012-2	48X48	16.00					LOW CLEARANCE (SYMBOL)	CONST-7	48X24	8.00			RATE OUR WORK ZONE			
W012-2X	24X18	3.00					LOW CLEARANCE (PLAQUE)	CONST-7	72X36	18.00	2	36.0	RATE OUR WORK ZONE			
W012-2a	84X24	14.00					OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-8	48X36	12.00	2	24.0	WORK ZONE NO PHONE ZONE			
W012-4	120X60	50.00					LOW CLEARANCE XX FT XX IN XX MILES AHEAD									
W012-5	120X60	50.00					WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD									
W013-1	30X30	6.25	2	12.5			ADVISORY SPEED (PLAQUE)									
W016-2	30X24	5.00					XXX FEET (PLAQUE)									
W016-3	30X24	5.00					X MILE (PLAQUE)									
W020-1	48X48	16.00	8	128.0			ROAD/BRIDGE/RAMP WORK AHEAD									
W020-2	48X48	16.00					DETOUR AHEAD									
W020-3	48X48	16.00	2	32.0			ROAD/BRIDGE/RAMP CLOSED AHEAD									
W020-4	48X48	16.00	6	96.0			ONE LANE ROAD AHEAD									
W020-5	48X48	16.00	2	32.0			RIGHT/CENTER/LEFT LANE CLOSED AHEAD									
W020-5a	48X48	16.00					2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD									
W020-6a	48X48	16.00	6	96.0			RIGHT/CENTER/LEFT LANE CLOSED									
W020-7a	48X48	16.00	4	64.0			FLAGGER (SYMBOL, WITH FLAGS)									
W021-2	36X36	9.00					FRESH OIL									
W021-5	48X48	16.00					SHOULDER WORK AHEAD									
W022-1	48X48	16.00					BLASTING ZONE AHEAD									
W022-2	42X36	10.50					TURN OFF 2-WAY RADIO AND PHONE									
W022-3	42X36	10.50					END BLASTING ZONE									
G022-1	21X15	2.19	4	8.8			WET PAINT (ARROW PIVOTS)									

STATE OF MISSOURI  
CHRISTOPHER ALAN WEST  
NUMBER  
PE-2014017034  
PROFESSIONAL ENGINEER  
02/21/2023 2:43:31 PM  
MICHELE 2014017034

DATE PREPARED  
2/21/2023

ROUTE  
92

STATE  
MO

DISTRICT  
KC

SHEET NO.  
3

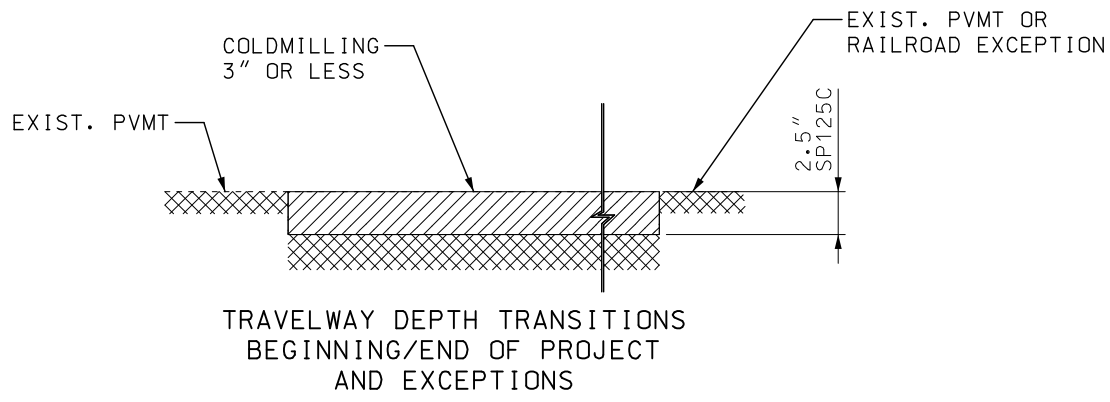
COUNTY  
CLAY

JOB NO.  
J4P3420

CONTRACT ID.

PROJECT NO.

BRIDGE



SPECIAL SHEET  
RAILROAD EXCEPTION DETAIL  
SHEET 1 OF 10

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER

PE-2014017034

PROFESSIONAL ENGINEER

*Christopher A. West*

08/01/2022 2:07:29 PM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED

8/1/2022

ROUTE

92

STATE

MO

DISTRICT

KC

SHEET NO.

4

COUNTY

CLAY

JOB NO.

J4P3420

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

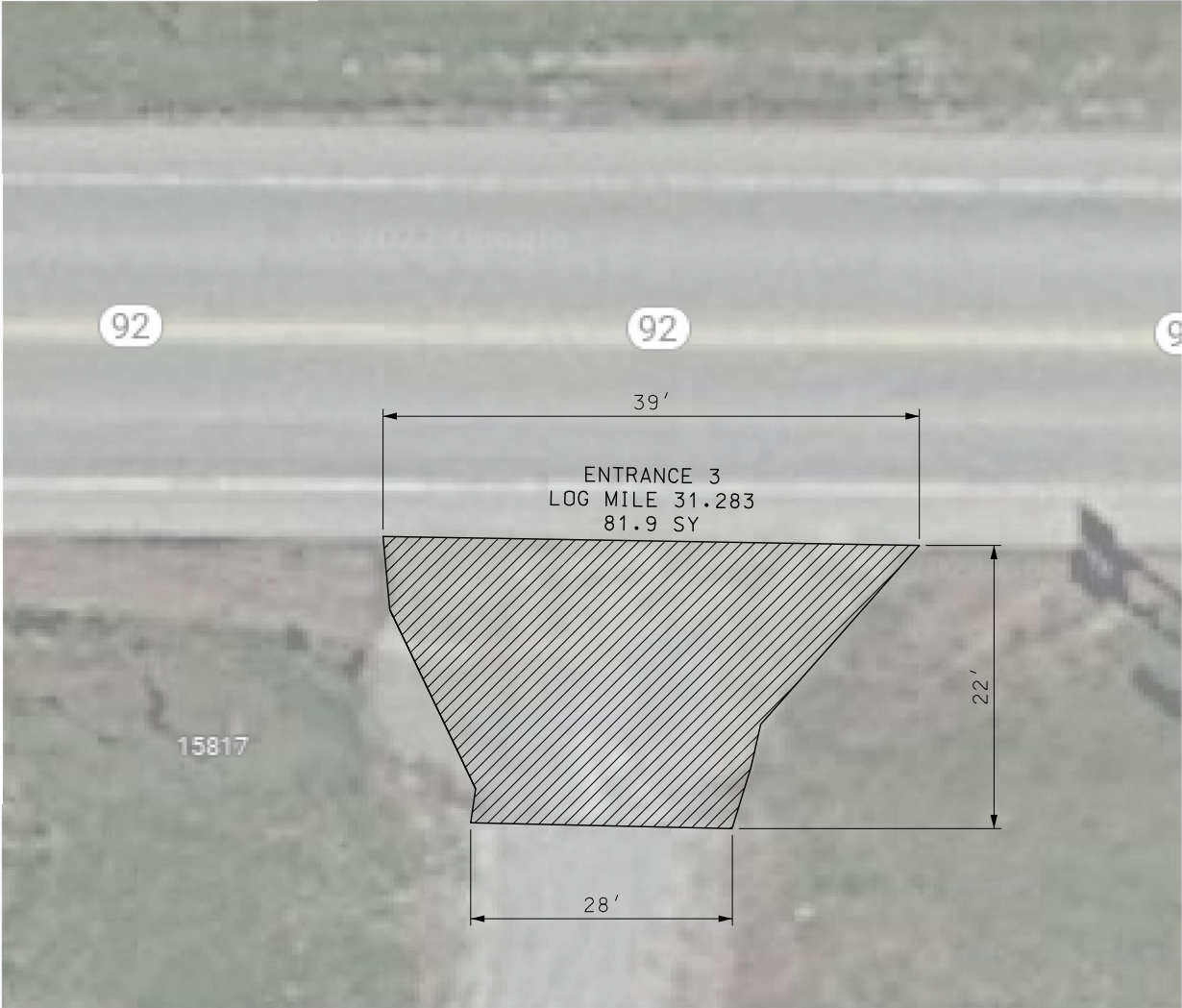
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
JEFFERSON CITY, MO 65102

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

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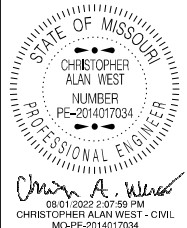




 AREA TO BE RESURFACED

NOT TO SCALE

SPECIAL SHEET  
ENTRANCE DETAILS  
SHEET 2 OF 10



DATE PREPARED  
8/1/2022

ROUTE	STATE
92	MO
DISTRICT	SHEET NO.
KC	5

COUNTY  
CLAY

JOB NO.  
J4P3420


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

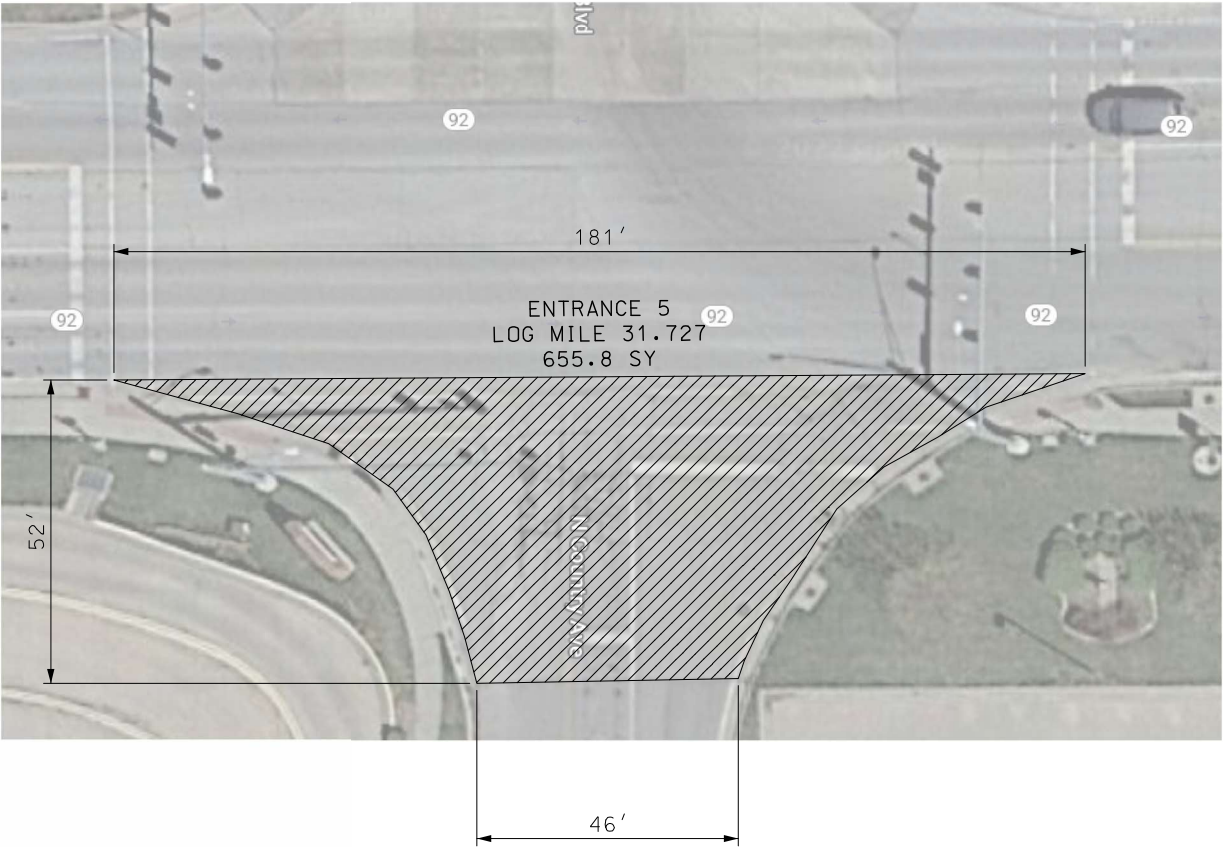
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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

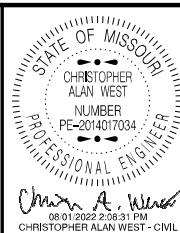
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AREA TO BE RESURFACED

NOT TO SCALE

SPECIAL SHEET  
ENTRANCE DETAILS  
SHEET 3 OF 10



DATE PREPARED  
8/1/2022

ROUTE  
92

STATE  
MO

DISTRICT  
KC

SHEET NO.  
6

COUNTY  
CLAY

JOB NO.  
J4P3420

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

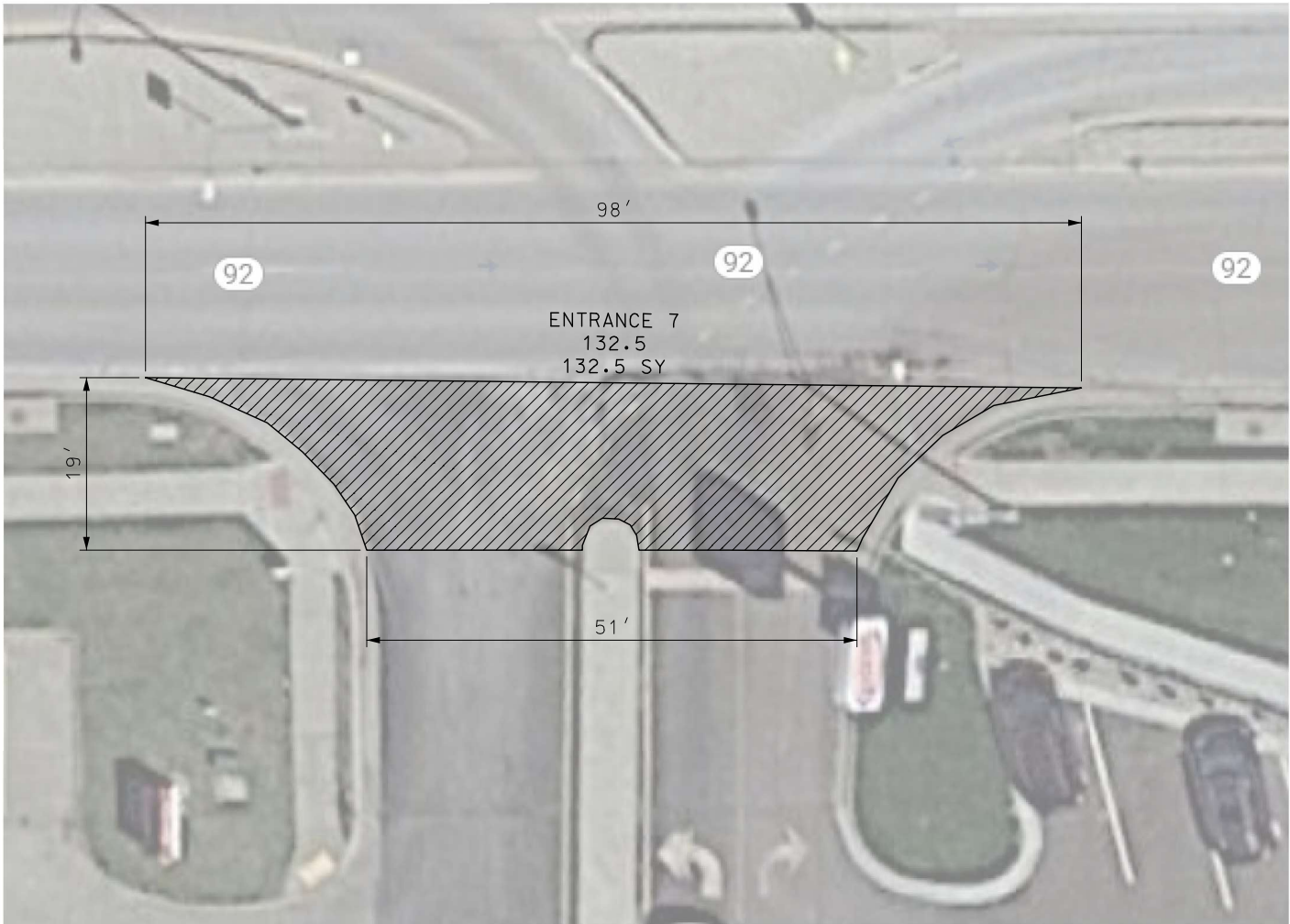
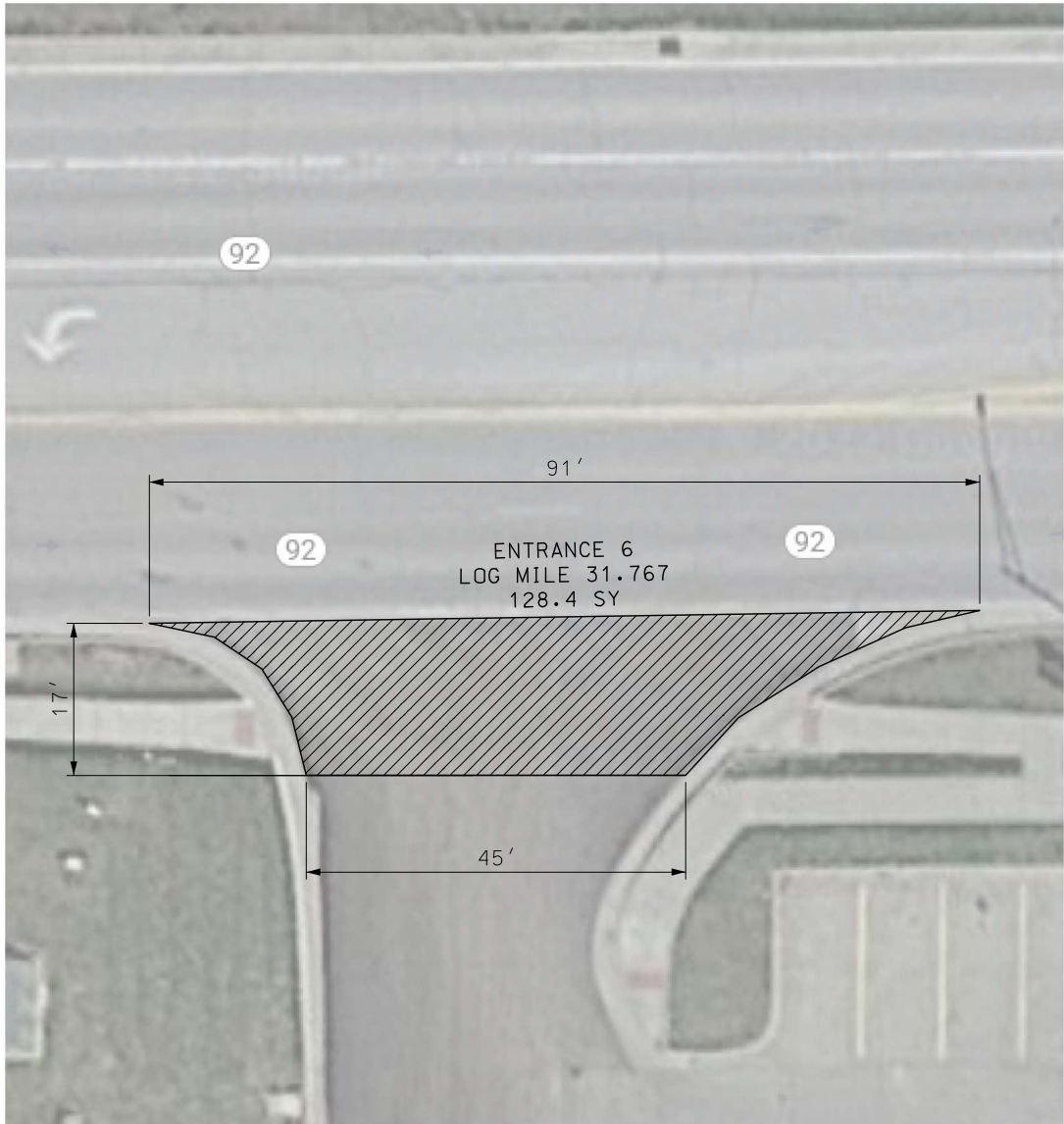
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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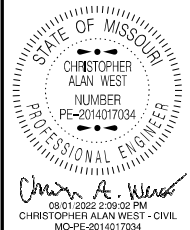




 AREA TO BE RESURFACED

NOT TO SCALE


SPECIAL SHEET  
ENTRANCE DETAILS  
SHEET 4 OF 10



DATE PREPARED 8/1/2022	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 7
COUNTY CLAY	
JOB NO. J4P3420	
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)

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



 AREA TO BE RESURFACED

NOT TO SCALE

SPECIAL SHEET  
ENTRANCE DETAILS  
SHEET 5 OF 10




DATE PREPARED  
2/21/2023

ROUTE 92 STATE MO  
DISTRICT KC SHEET NO. 8

COUNTY CLAY  
JOB NO. J4P3420  
CONTRACT ID.

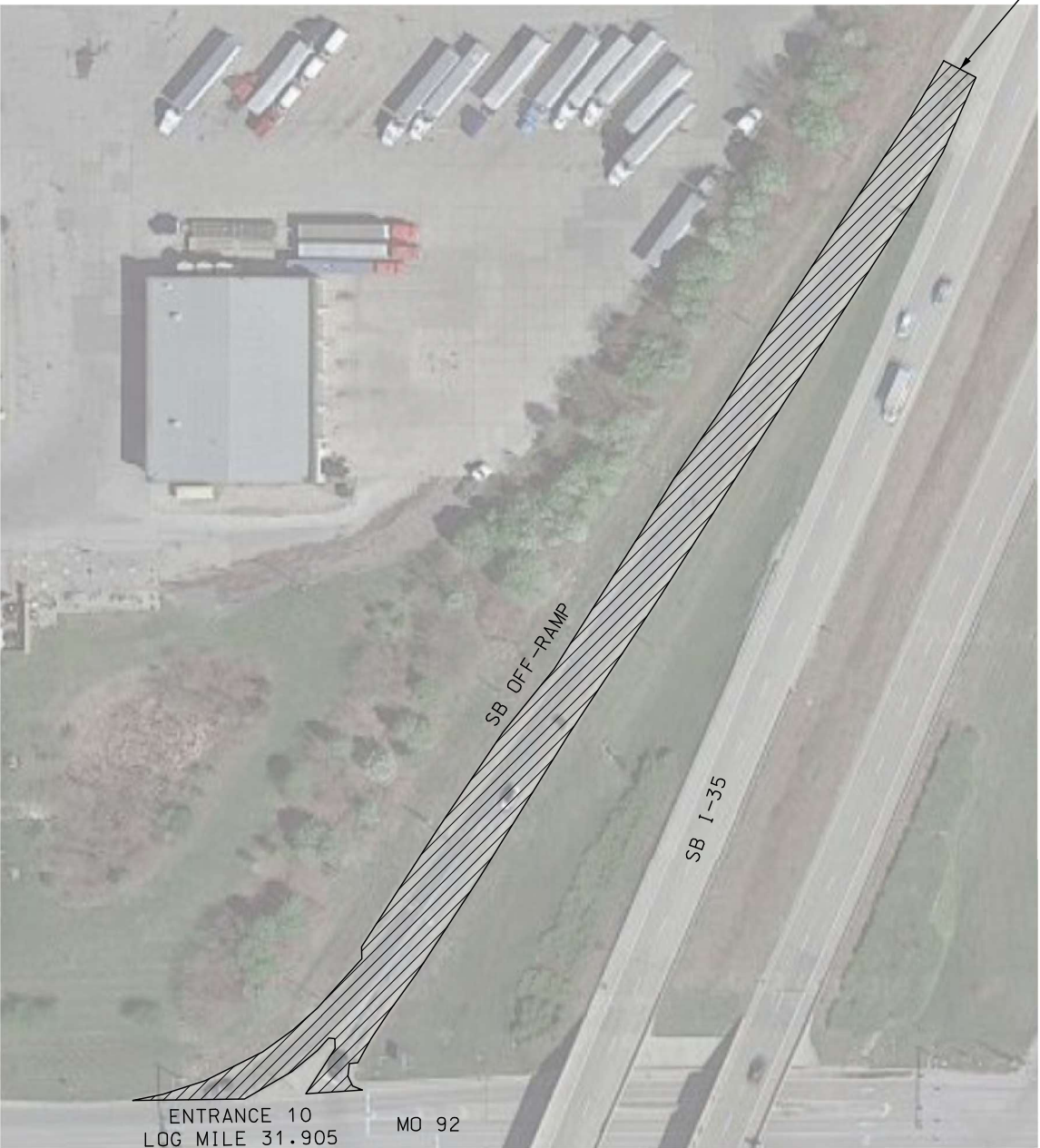
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

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

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






EXIST. CONCRETE  
PAVEMENT

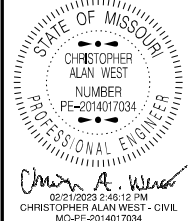


EXIST. CONCRETE  
PAVEMENT

 AREA TO BE RESURFACED

NOT TO SCALE

SPECIAL SHEET  
ENTRANCE DETAILS  
SHEET 6 OF 10



DATE PREPARED 2/21/2023	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 9
COUNTY CLAY	
JOB NO. J4P3420	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



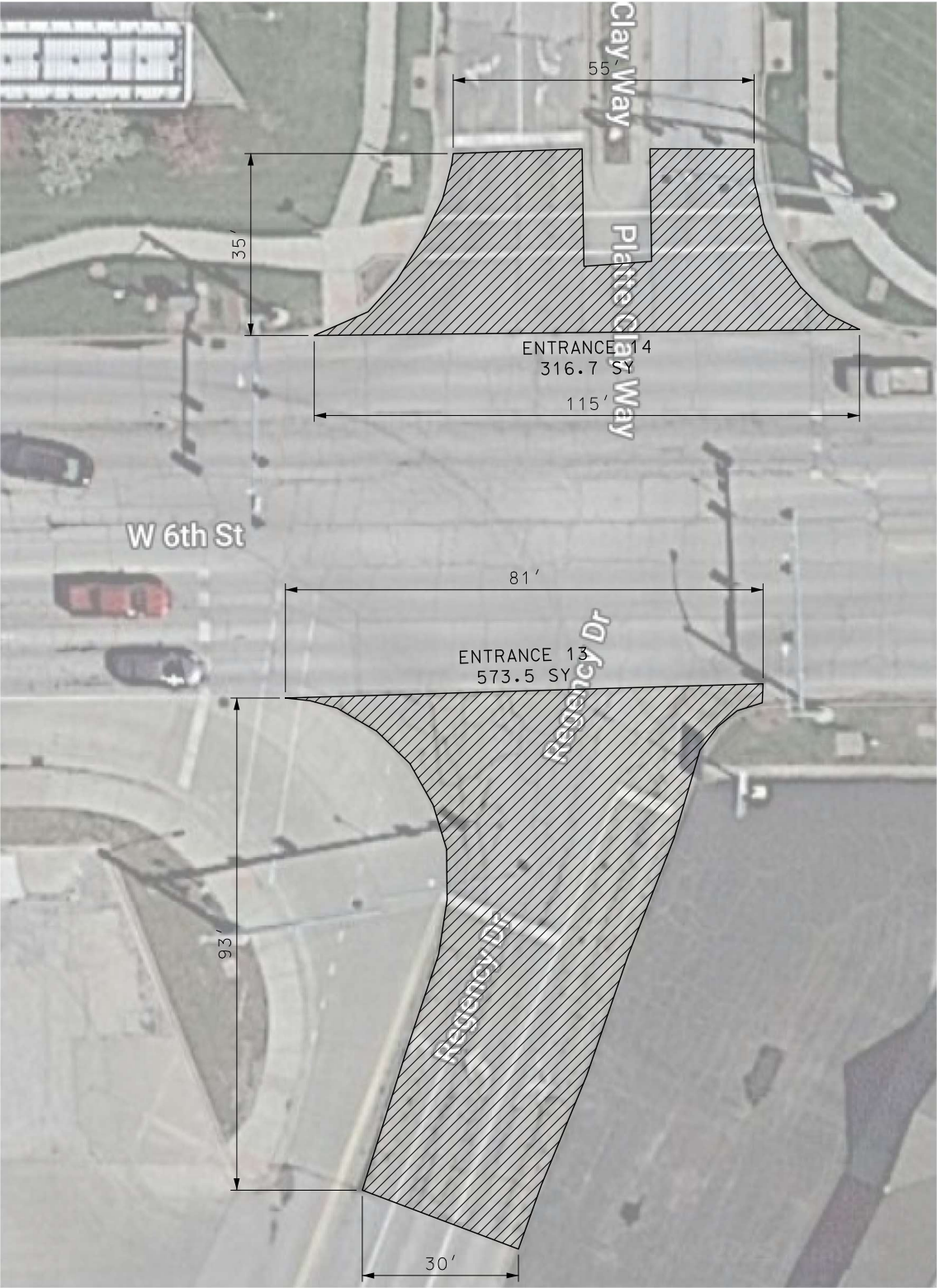
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)


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





EXIST. CONCRETE  
PAVEMENT



 AREA TO BE RESURFACED

NOT TO SCALE

SPECIAL SHEET  
ENTRANCE DETAILS  
SHEET 7 OF 10



DATE PREPARED  
2/21/2023

ROUTE 92 STATE MO

DISTRICT KC SHEET NO. 10

COUNTY CLAY

JOB NO. J4P3420


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

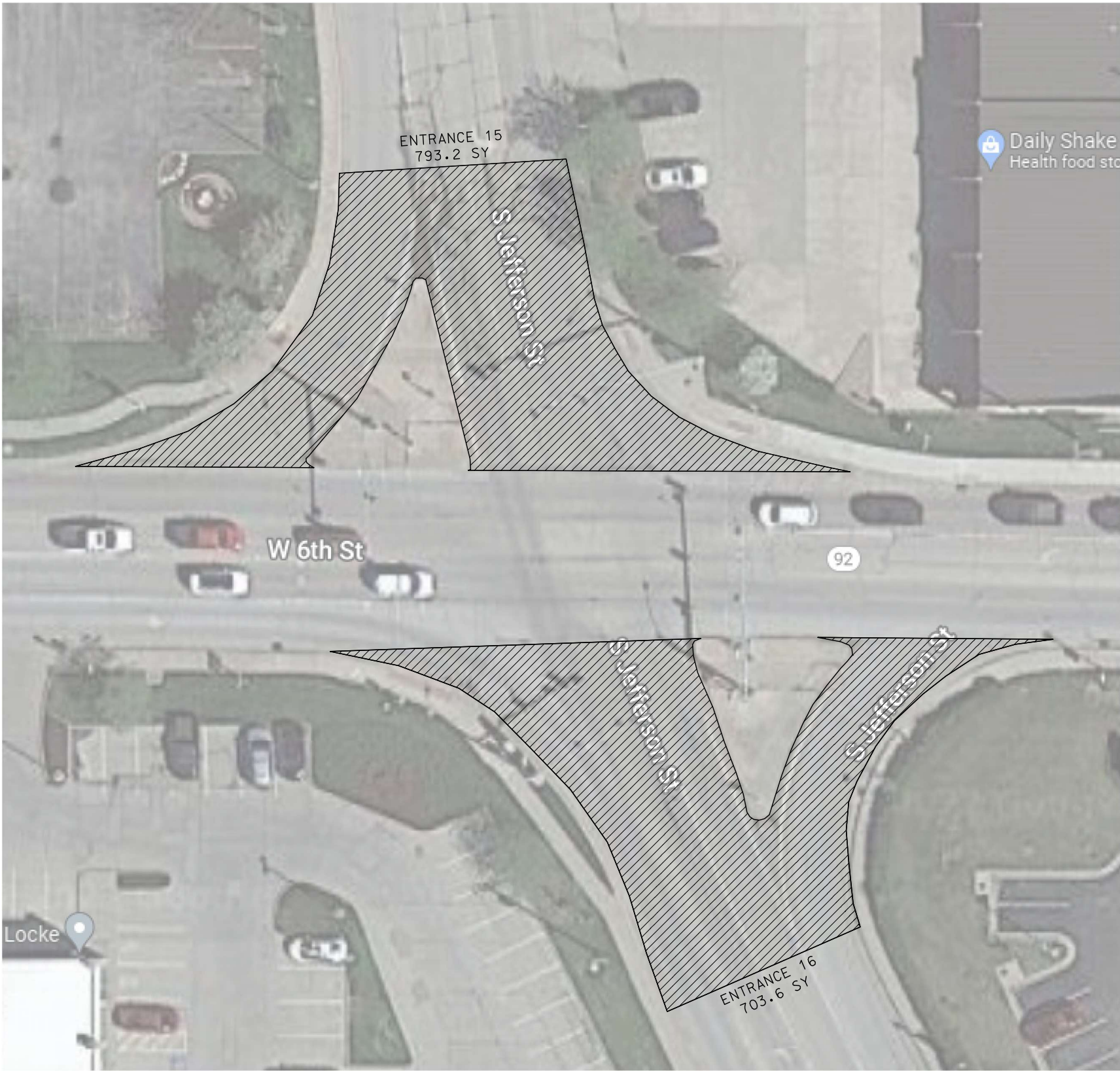
DATE	DESCRIPTION


MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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

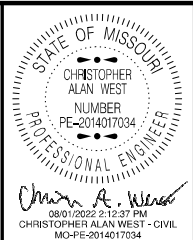
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



 AREA TO BE RESURFACED

NOT TO SCALE


SPECIAL SHEET  
ENTRANCE DETAILS  
SHEET 8 OF 10



DATE PREPARED 8/1/2022	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 11
COUNTY CLAY	
JOB NO. J4P3420	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

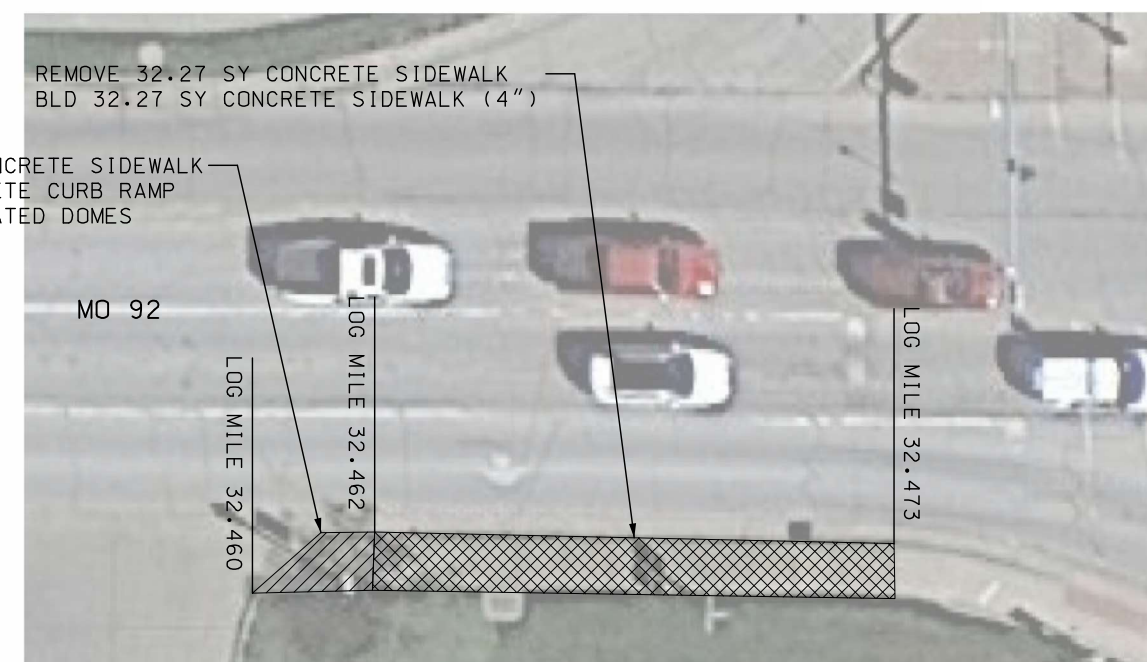
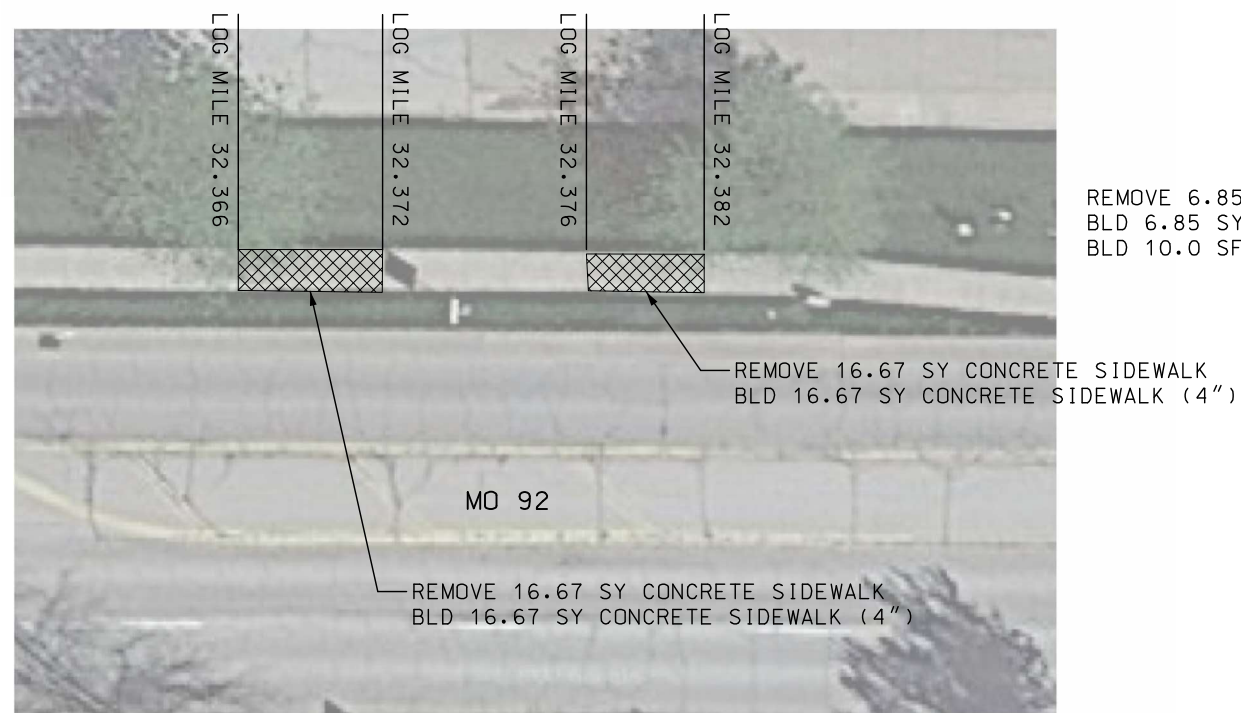
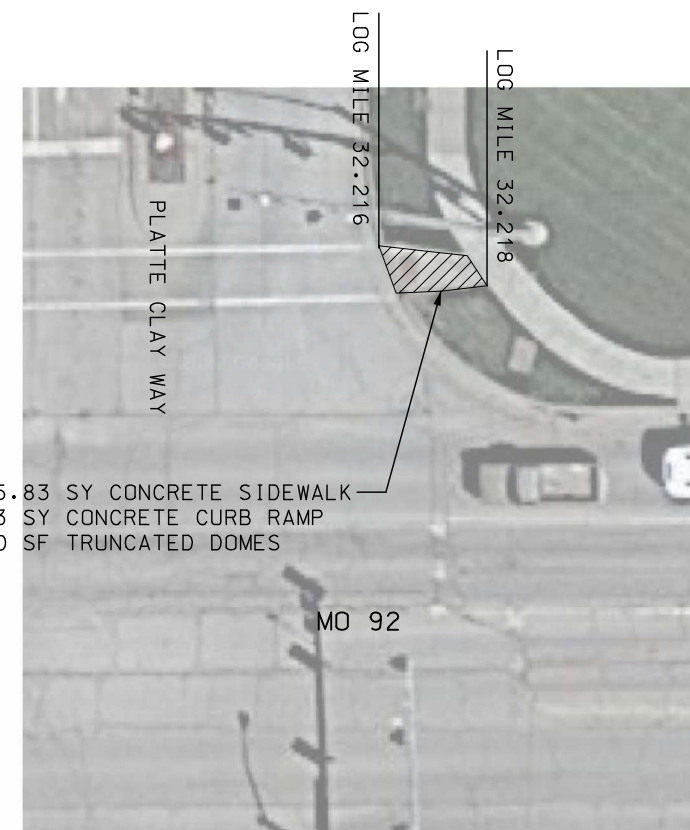
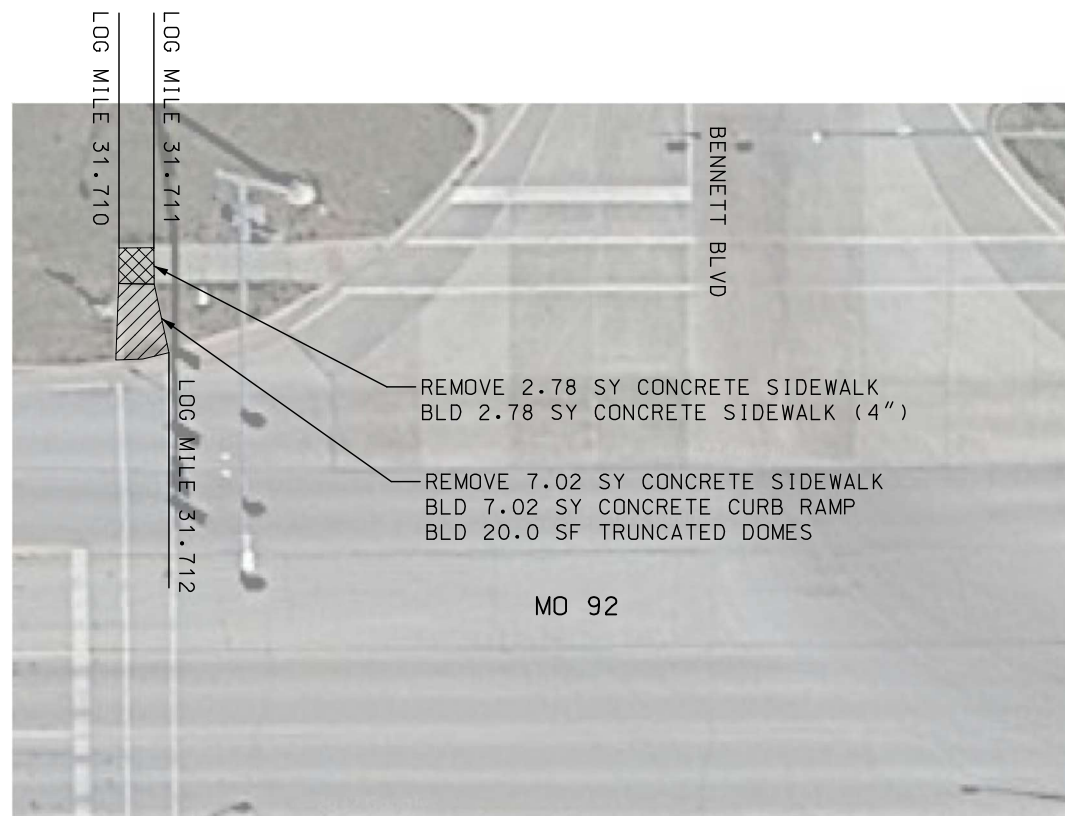
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

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

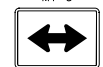




NOT TO SCALE

SPECIAL SHEET  
SIDEWALK DETAIL SHEET  
SHEET 9 OF 10

[illegible]



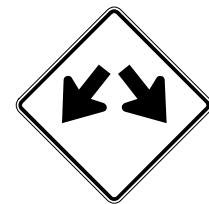
LOG MILE 31.988  
REMOVE AND REPLACE  
EXIST. SIGNS



BUILD 10.64 SY  
3" CONCRETE MEDIAN STRIP

I-35  
OFF-RAMP

LOG MILE 31.987  
REMOVE EXIST. SIGN



W12-1

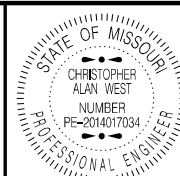
NOTES:

- \* FOR ISLAND DETAIL, SEE  
STANDARD PLANS 203.50N
- \* MINIMUM CURVE RADIUS IS 2'

- PROPOSED ISLAND
- PROPOSED TRUNCATED DOMES

NOT TO SCALE

SPECIAL SHEET  
ISLAND DETAIL  
SHEET 10 OF 10



Christopher Alan West  
08/01/2022 2:14:00 PM  
CHRISTOPHER ALAN WEST - CIVIL  
MO-PE-2014017034

DATE PREPARED  
8/1/2022

ROUTE 92 STATE MO

DISTRICT KC SHEET NO. 13

COUNTY CLAY

JOB NO.  
J4P3420

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)

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

SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
< 40	160'	168'	176'	BARRIER HEIGHT TRANSITION
> 40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

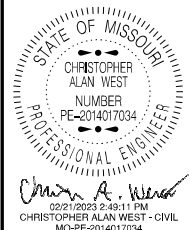
- NOTE:
- (1)

SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2)

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3)

TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4)


CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER



DATE PREPARED 2/21/2023	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 14
COUNTY CLAY	
JOB NO. J4P3420	
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)

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



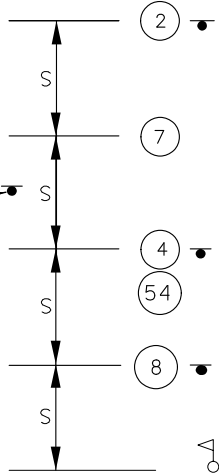




USED WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED

W03-4

(11)



TA-10  
LANE CLOSURE  
ON TWO-LANE  
ROAD USING FLAGGERS

BRIDGE  
OR  
RAMP  
W025-6



W020-1

(2)



R2-1

(4)



R2-1

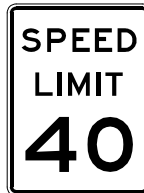
(4)



R2-1

NORMAL SPEED

(25)



R2-1

NORMAL SPEED

(25)



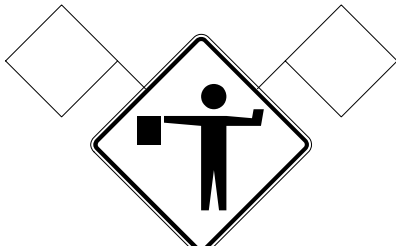
W020-4

(7)



G020-5aP

(54)



W020-7a

(8)



- FLAGGER



CHANNELIZERS

NOTES: SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AN ALTERNATIVE FLAGGING OPERATION.

AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING:  
EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10 (TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).



W03-4

(11)

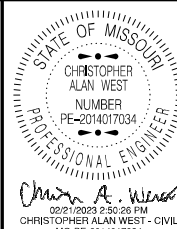
USED WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED



FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2  
FLAGS AND ADVANCED WARNING RAIL SYSTEM



ONE LANE CLOSURE TWO WAY  
FLAGGER CONTROL  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 3 OF 11



DATE PREPARED  
2/21/2023

ROUTE 92 STATE MO

DISTRICT KC SHEET NO. 16

COUNTY CLAY

JOB NO. J4P3420

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

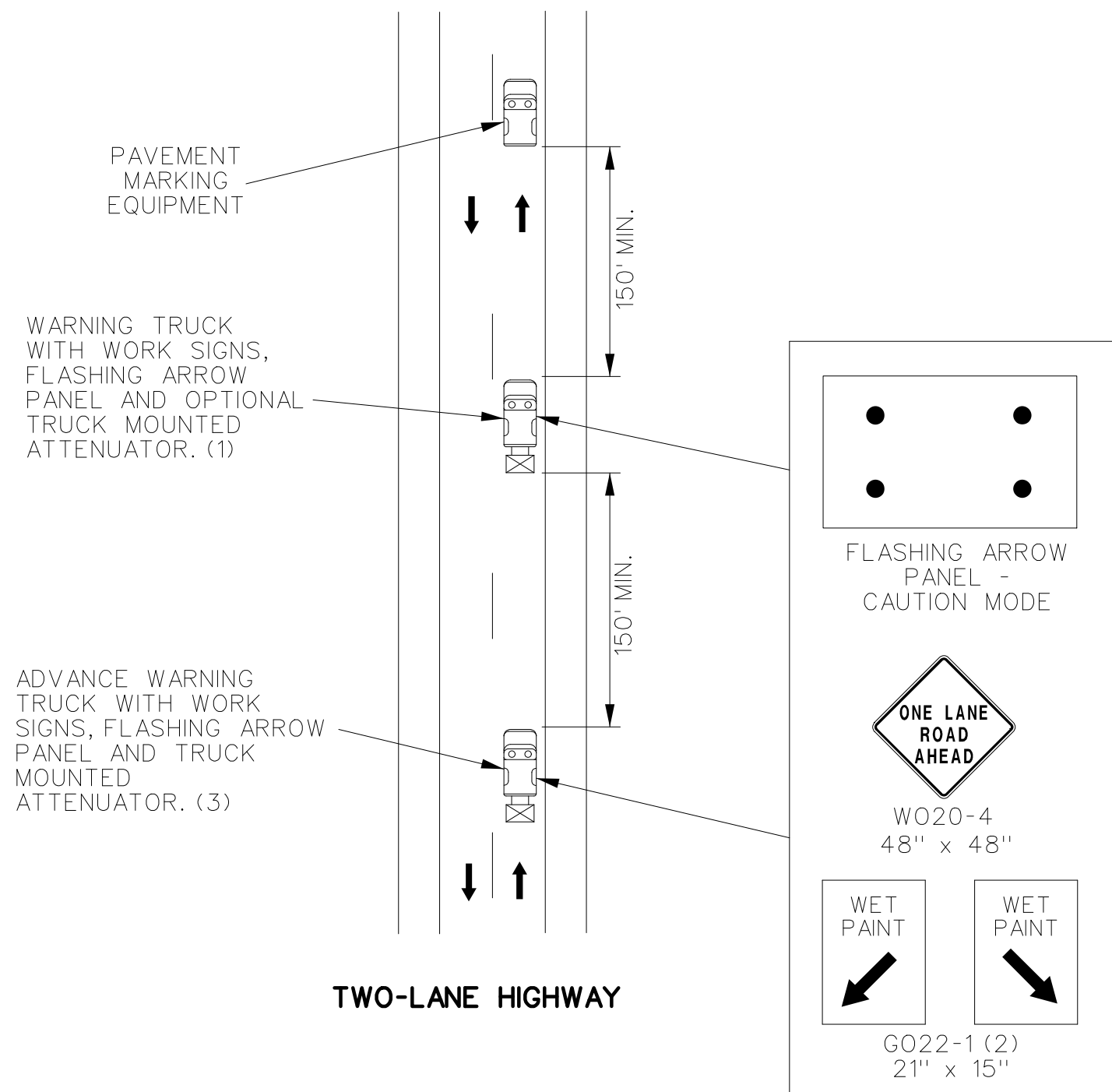
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

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



MOVING OPERATION ON HIGHWAY  
OPEN TO TRAFFIC

TA-17A

NOTES:

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

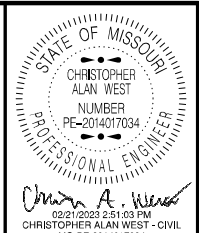
VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(3). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

MOVING OPERATION  
OPEN TO TRAFFIC  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 4 OF 11



DATE PREPARED 2/21/2023	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 17
COUNTY CLAY	
JOB NO. J4P3420	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

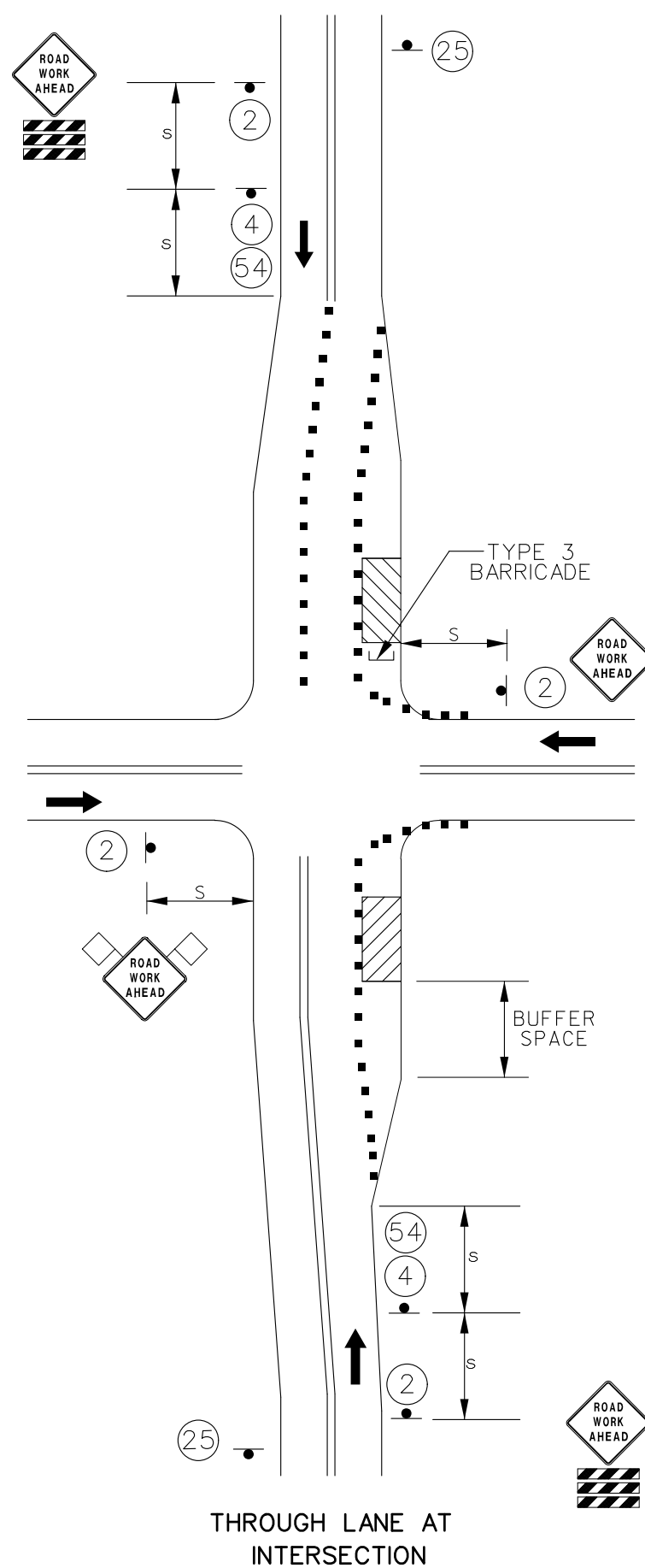
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT





NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND  
CHANNELIZING TAPER LENGTHS.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO  
SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

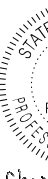
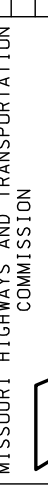
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN ON TRAFFIC CONTROL SHEET 1.

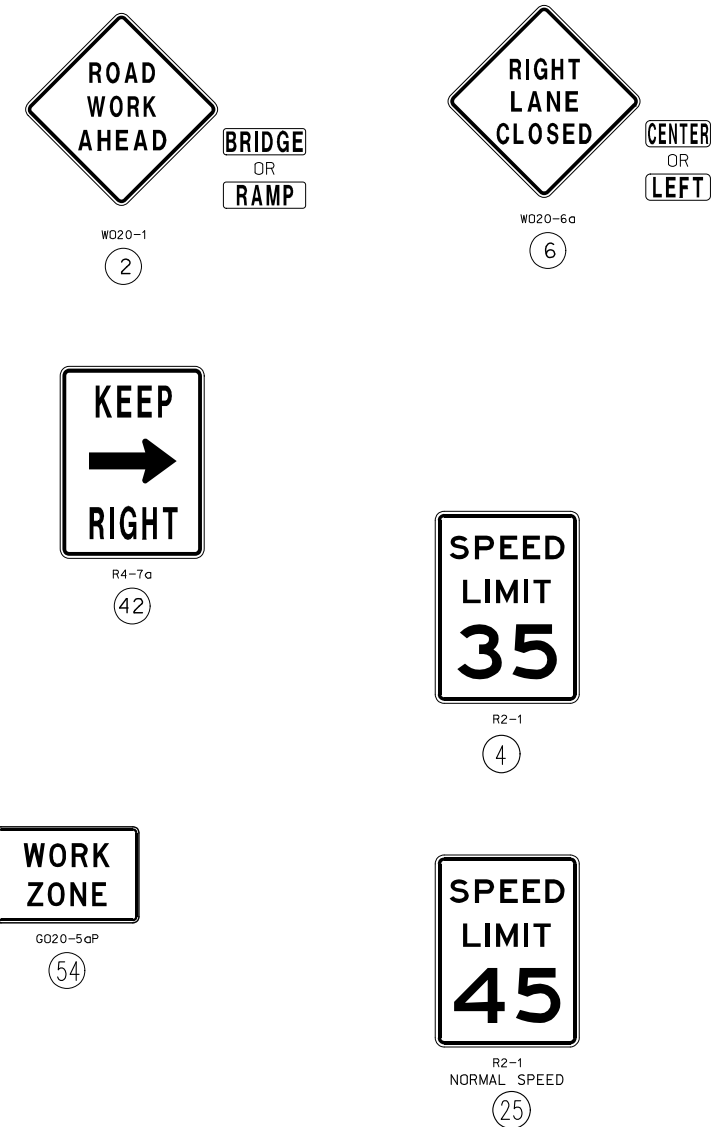
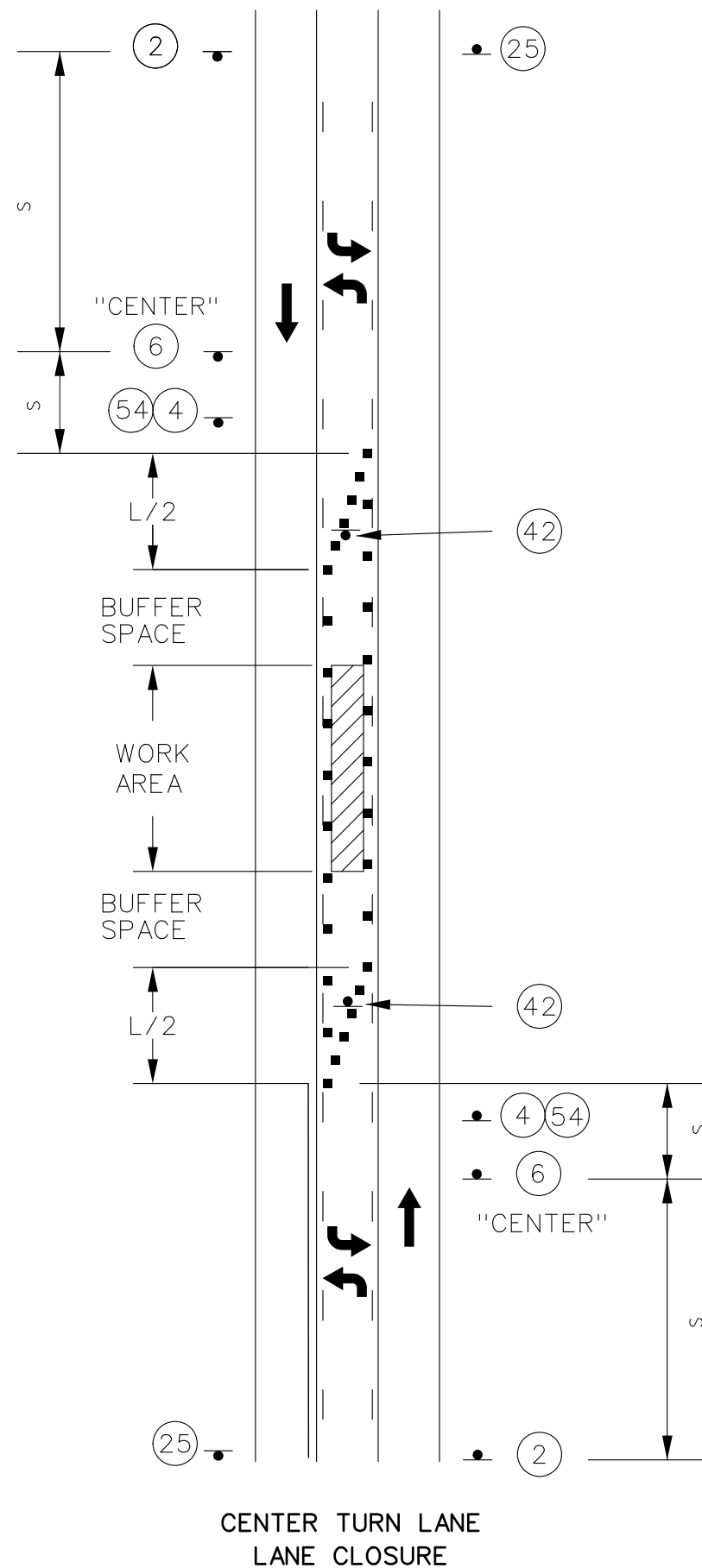
FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM REFER TO EPG 616.6.2.2  
 FLAGS AND ADVANCE WARNING RAIL SYSTEM.

TA-22B

THROUGH LANE  
AT INTERSECTION  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 5 OF 11




		DATE PREPARED <b>2/21/2023</b>	
ROUTE <b>92</b>	STATE <b>MO</b>		
DISTRICT <b>KC</b>	SHEET NO. <b>18</b>		
COUNTY <b>CLAY</b>			
JOB NO. <b>J4P3420</b>			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
		105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
DATE			
DESCRIPTION			



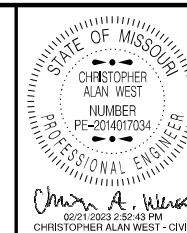


NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

	FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS,
	REFER TO EPG 616.6.2.2
	FLAGS AND ADVANCED WARNING RAIL SYSTEM

CENTER TURN LANE  
LANE CLOSURE  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 7 OF 11



MO-PE-2014017034  
DATE PREPARED  
2/21/2023

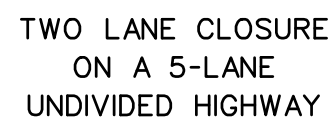
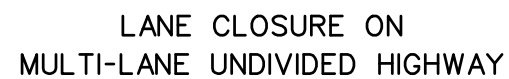
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO 20




COUNTY	CLAY
JOB NO.	J4P3420
CONTRACT ID.	

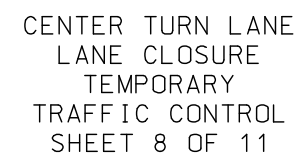
PROJECT NO.



BRIDGE NO.

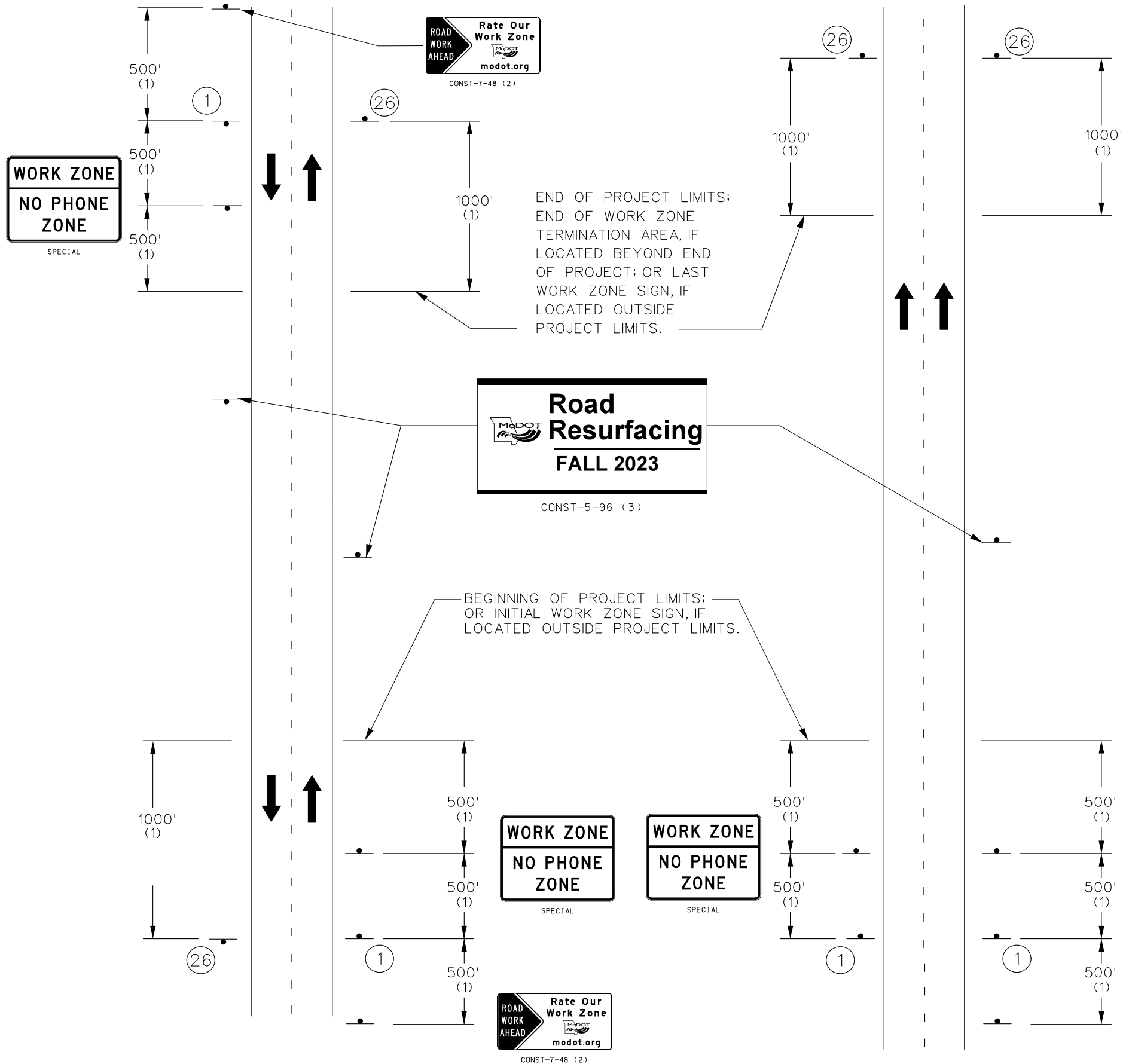
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION[illegible]



- |   |  |
|---|--|
|  | FOR FLAGS AND ADVANCE<br>WARNING RAIL SYSTEMS, |
|  | REFER TO EPG 616.6.2.2                         |
|  | FLAGS AND ADVANCED<br>WARNING RAIL SYSTEM      |



<div><p>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</p><p>105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)</p></div>	 <p>DATE PREPARED <b>2/21/2023</b></p>		
	ROUTE <b>92</b>	STATE <b>MO</b>	
	DISTRICT <b>KC</b>	SHEET NO. <b>21</b>	
	COUNTY <b>CLAY</b>		
	JOB NO. <b>J4P3420</b>		
	CONTRACT ID.		
	PROJECT NO.		
	BRIDGE NO.		
	DATE		
	DESCRIPTION		



NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-48 OR CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.

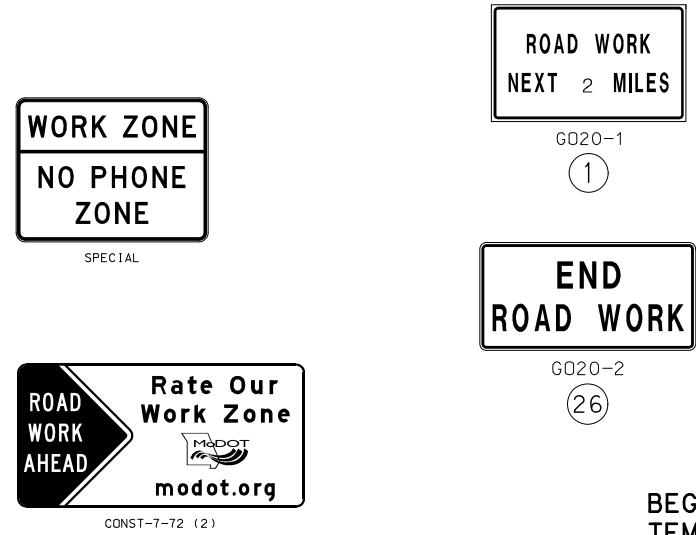
(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(6) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

**WORK ZONE**  
**NO PHONE**  
**ZONE**  
SPECIAL

WHEN THE "ROAD WORK NEXT XX MILES" IS NOT USED THE "NO PHONE ZONE" SIGN IS TO BE PLACED A MINIMUM OF 500' BEFORE THE "ROAD WORK AHEAD" SIGN. REFER TO EPG 616.6.51.3 WORK ZONE NO PHONE ZONE SIGN



BEGIN/END  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 9 OF 11

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER PE-2014017034

PROFESSIONAL ENGINEER

02/21/2023 2:54:08 PM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED  
2/21/2023

ROUTE 92  
DISTRICT KC

STATE MO  
SHEET NO. 22

COUNTY CLAY

JOB NO. J4P3420

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

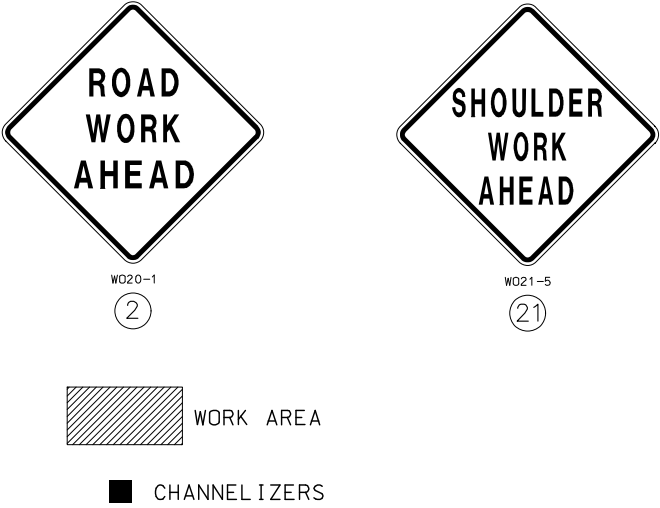
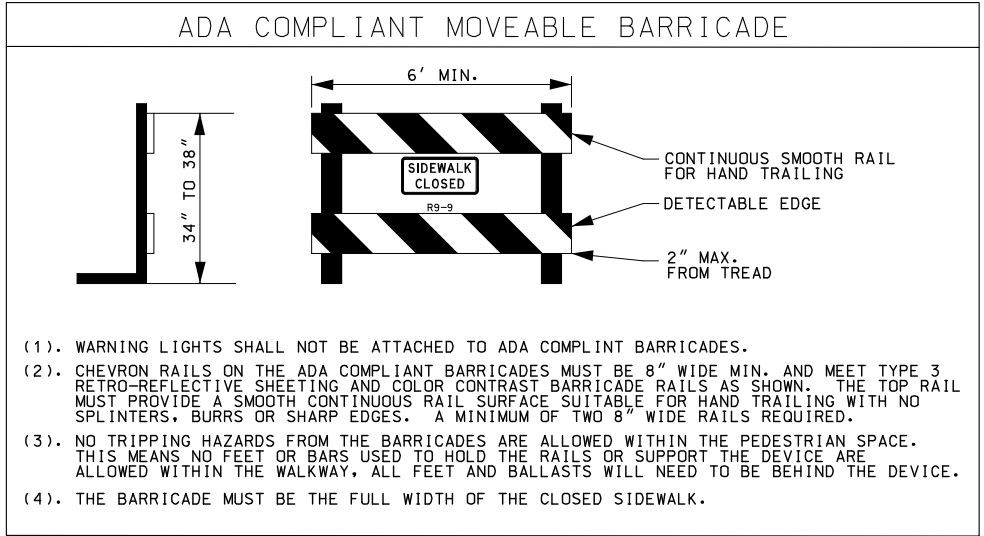
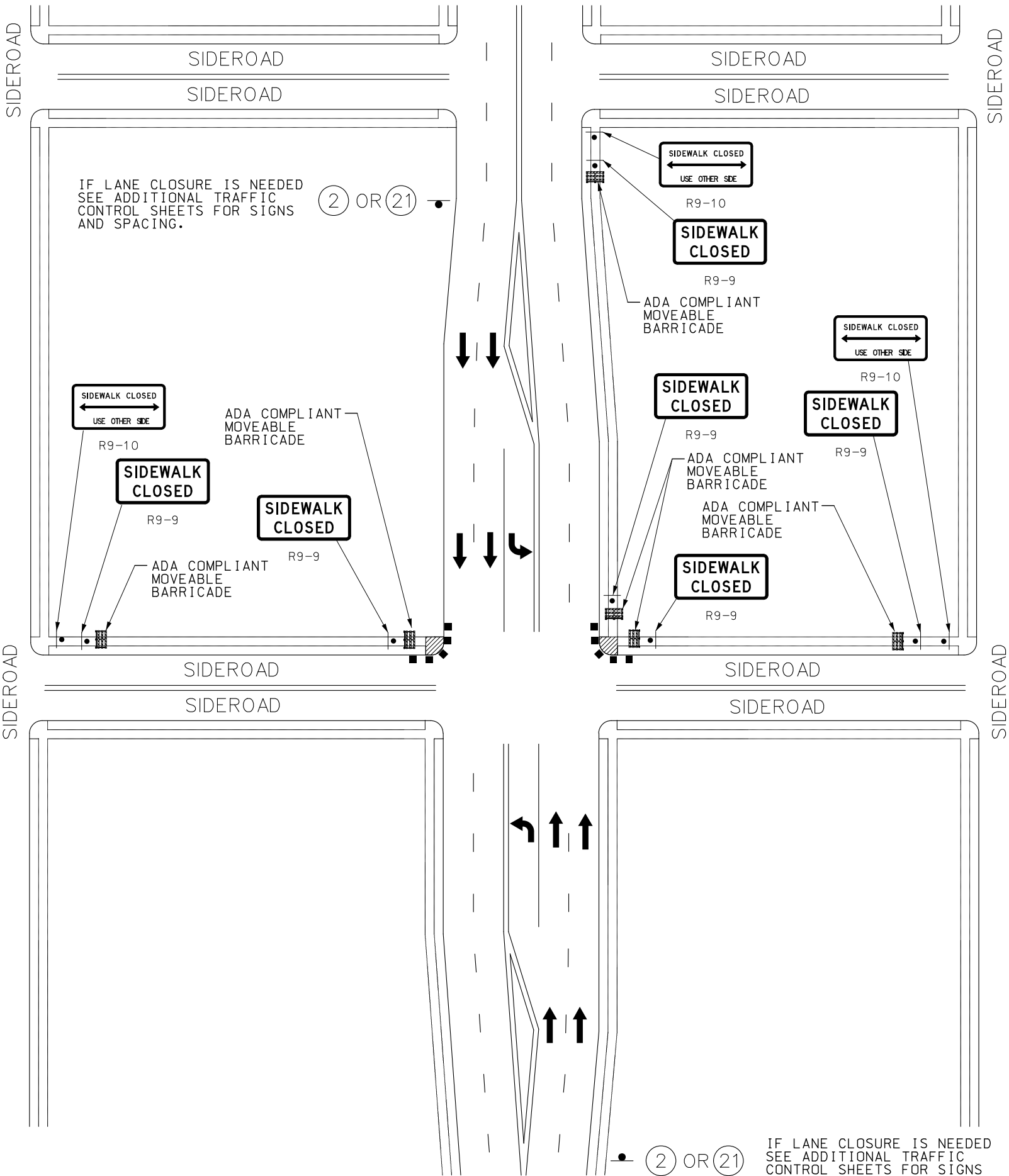
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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



**NOTES:**

- (1). ALL SIGNS AND BARRICADES SHALL BE MOVED TO THE OPPOSITE SIDE OF THE ROADWAY WHEN SIDEWALK UPGRADES ARE REQUIRED FOR BOTH SIDES OF THE ROAD.
- (2). ONLY THE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN OTHER DEVICES MAY BE NECESSARY TO CONTROL TRAFFIC, SEE OTHER TRAFFIC CONTROL SHEETS FOR LANE CLOSURES
- (3). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- (4). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (5). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- (6). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- (7). PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.
- (8). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (9). SIGNS MAY ALSO BE PLACED IN THE MEDIAN OF THE ROADWAY IF THERE IS SUFFICIENT ROOM BETWEEN LANES

SIDEWALK WORK  
AT INTERSECTION  
TEMPORARY TRAFFIC CONTROL  
SHEET 10 OF 11

**STATE OF MISSOURI**  
**CHRISTOPHER ALAN WEST**  
**PROFESSIONAL ENGINEER**  
NUMBER PE-2014017034  
02/21/2023 2:54:43 PM  
CHRISTOPHER ALAN WEST - CIVIL  
MO-PE-2014017034

**DATE PREPARED**  
2/21/2023

**ROUTE** 92 **STATE** MO  
**DISTRICT** KC **SHEET NO.** 23

**COUNTY** CLAY  
**JOB NO.** J4P3420  
**CONTRACT ID.**

**PROJECT NO.**

**BRIDGE NO.**

**DESCRIPTION**

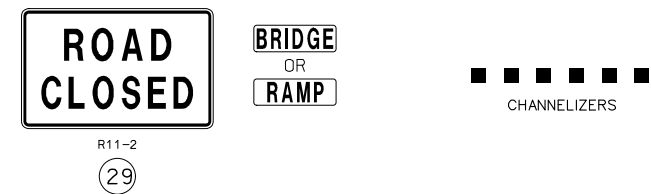
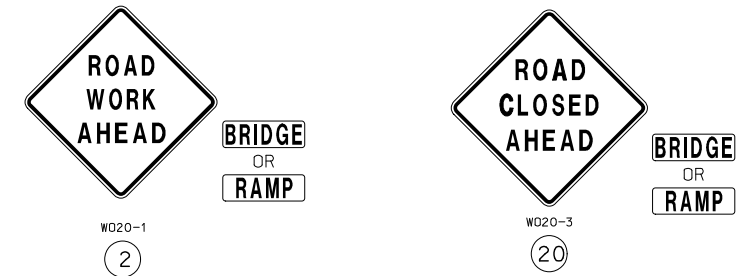
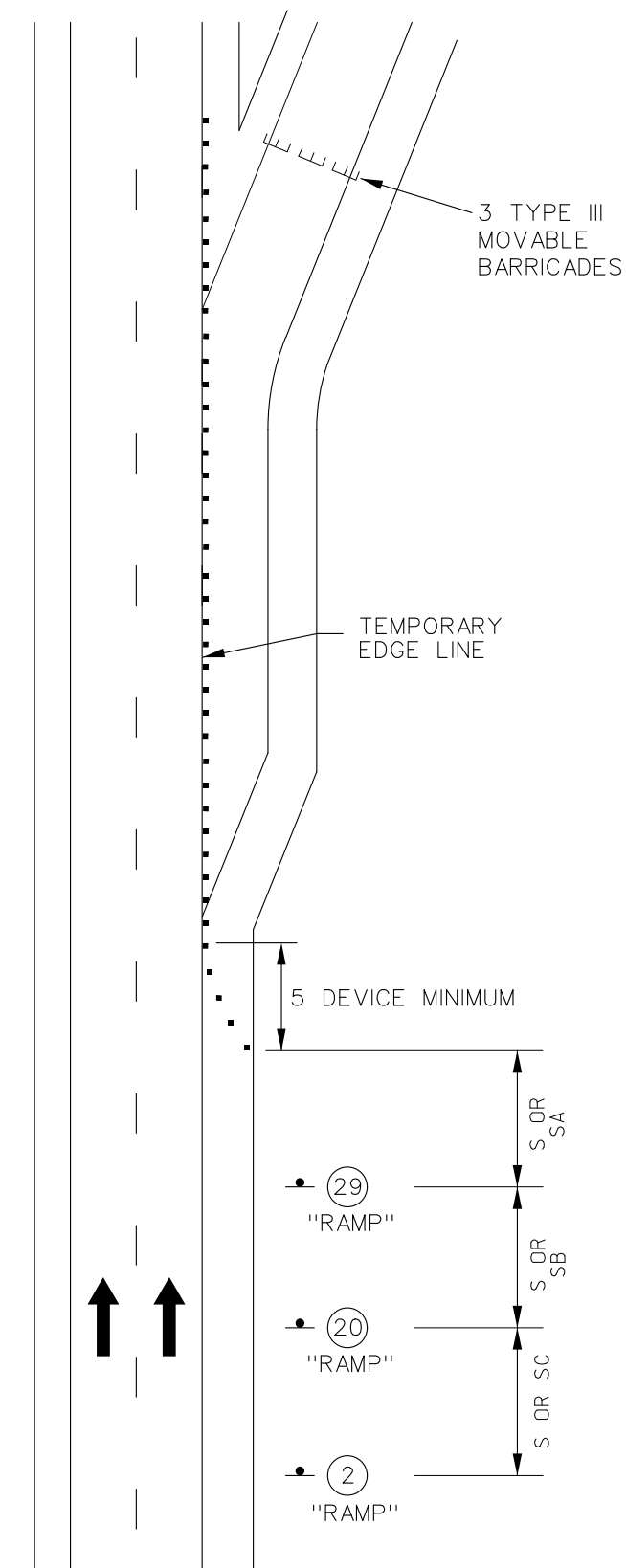
**DATE**




**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION**

**MoDOT**

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

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



	FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS,
	REFER TO EPG 616.6.2.2
	FLAGS AND ADVANCED WARNING RAIL SYSTEM

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

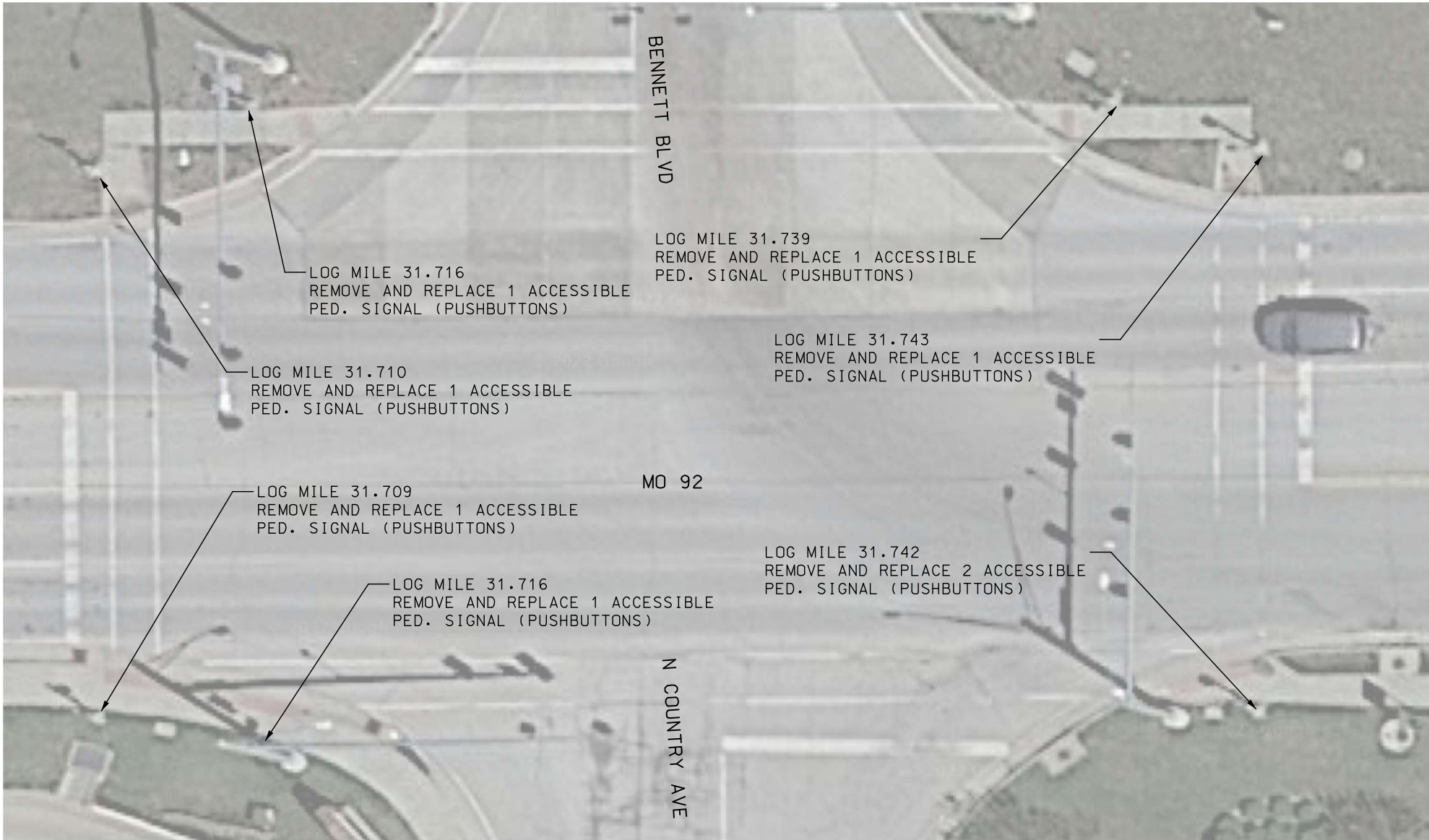
IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND  
AND GUIDELINES FOR THE DEVICE.

PARTIAL OR TOTAL  
EXIT RAMP CLOSURE  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 11 OF 11

[illegible]

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



NOT TO SCALE

SIGNAL SHEET  
SIGNAL LOCATIONS  
SHEET 1 OF 4

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER

PE-2014017034

PROFESSIONAL ENGINEER

02/22/2023 6:50:23 AM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED

2/21/2023

ROUTE

92

DISTRICT

KC

STATE

MO

SHEET NO.

25

COUNTY

CLAY

JOB NO.

J4P3420

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)

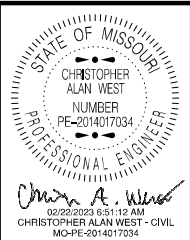
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





NOT TO SCALE


SIGNAL SHEET  
SIGNAL LOCATIONS  
SHEET 2 OF 4



DATE PREPARED 2/21/2023	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 26
COUNTY CLAY	
JOB NO. J4P3420	
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)

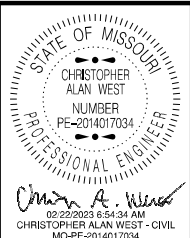
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



LOG MILE 32.219  
REMOVE AND REPLACE 1 PULL BOX,  
CONCRETE, DOUBLE, TYPE B

NOT TO SCALE


SIGNAL SHEET  
SIGNAL LOCATIONS  
SHEET 3 OF 4



DATE PREPARED 2/21/2023	
ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 27
COUNTY CLAY	
JOB NO. J4P3420	
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)

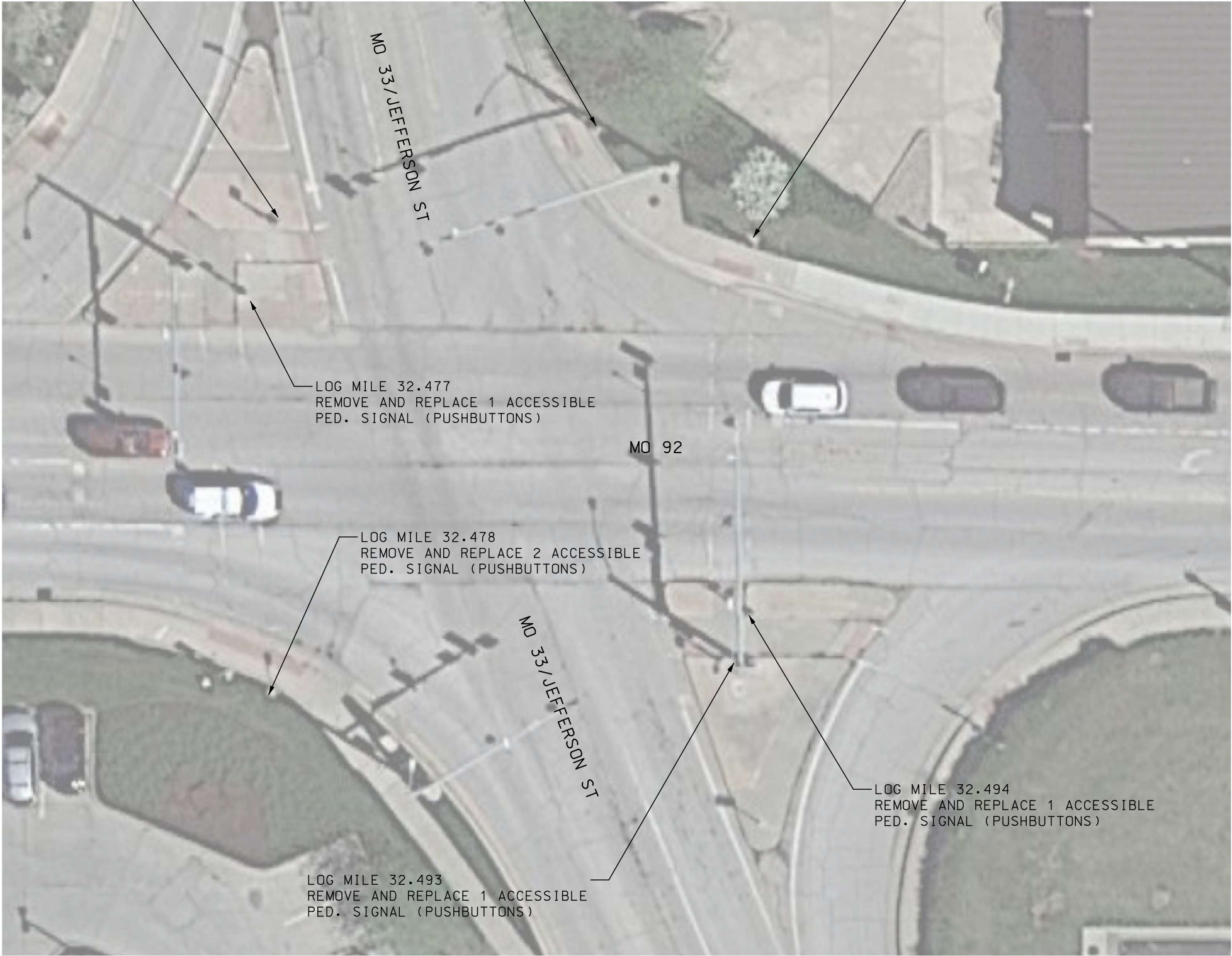
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



LOG MILE 32.478  
REMOVE AND REPLACE 1 ACCESSIBLE  
PED. SIGNAL (PUSHBUTTONS)

LOG MILE 32.489  
REMOVE AND REPLACE 1 ACCESSIBLE  
PED. SIGNAL (PUSHBUTTONS)

LOG MILE 32.494  
REMOVE AND REPLACE 1 ACCESSIBLE  
PED. SIGNAL (PUSHBUTTONS)



LOG MILE 32.477  
REMOVE AND REPLACE 1 ACCESSIBLE  
PED. SIGNAL (PUSHBUTTONS)

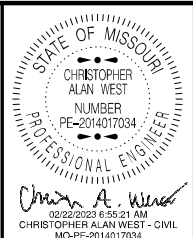
LOG MILE 32.478  
REMOVE AND REPLACE 2 ACCESSIBLE  
PED. SIGNAL (PUSHBUTTONS)

LOG MILE 32.493  
REMOVE AND REPLACE 1 ACCESSIBLE  
PED. SIGNAL (PUSHBUTTONS)

LOG MILE 32.494  
REMOVE AND REPLACE 1 ACCESSIBLE  
PED. SIGNAL (PUSHBUTTONS)

NOT TO SCALE

SIGNAL SHEET  
SIGNAL LOCATIONS  
SHEET 4 OF 4




DATE PREPARED  
2/21/2023

ROUTE 92	STATE MO
DISTRICT KC	SHEET NO. 28
COUNTY CLAY	
JOB NO. J4P3420	
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)

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



R6-1L  
36" X 12"

R6-1R  
36" X 12"



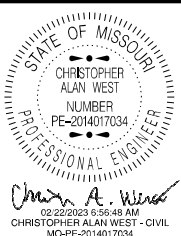
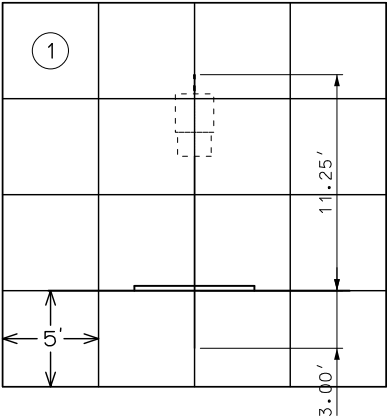
M1-5  
24" X 24"



M6-4  
21" X 15"

1

LOG MILE 31.987  
USE EXIST. SIGNS  
(ONE WAY SIGNS ARE PERPENDICULAR  
TO MO SHIELD AND ARROW SIGNS)



DATE PREPARED  
2/21/2023

ROUTE 92 STATE MO

DISTRICT KC SHEET NO. 29

COUNTY CLAY

JOB NO. J4P3420

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)

SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A SHEET

SIGN NO.

SIGN SIZE

LOG MILE

HORZ CLEAR IF NOT STD

LOCATION

SIGN DTL. SHT. NO.

CONCRETE FOOTINGS EMBEDDED

ITEM NO. 9031010  
CY

STRUCTURAL STEEL POSTS \*

POST DES. NO.

POST NO. 1

POST NO. 2

POST NO. 3

LBS PER FT

TOTAL ITEM NO. 9031210  
LBS

PIPE POSTS \*

PIPE SIZE

POST NO. 1

POST NO. 2

LBS PER FT

TOTAL ITEM NO. 9031220  
LBS

BACKING BARS \*\*

2" X 3/8" BARS @ 2.55 LBS PER FT

NO. EACH

LGTH IN.

TOTAL LF

TOTAL LBS

U-CHANNEL POST

ITEM NO. 9031250A  
LF

PERFORATED SQUARE STEEL TUBE

2 IN. POST

POST NO. 1

POST NO. 2

TOTAL ITEM NO. 9031270A  
LF

DRIVEN 12-GA. ITEM NO. 9031271A  
EA

DRIVEN 7-GA. ITEM NO. 9031273A  
EA

CONCRETE 7-GA. ITEM NO. 9031274  
EA

2.5 IN. POST

POST NO. 1

POST NO. 2

TOTAL ITEM NO. 9031280  
LF

2.25" INSERT (6 FT) ITEM NO. 9031272A  
EA

DRIVEN 7-GA. ITEM NO. 9031281A  
EA

CONCRETE 7-GA. ITEM NO. 9031285  
EA

BREAK-AWAY ASSEMBLY

ITEM NO. 9031241  
EA

REMARKS AND OTHER REQUIRED ITEMS

DATE PREPARED  
2/21/2023

ROUTE  
92

DISTRICT  
KC

STATE  
MO

SHEET NO.  
30

COUNTY  
CLAY

JOB NO.  
J4P3420

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

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

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE		WEIGHT		STUB LENGTH	FOOTING		CONCRETE C.Y.
(IN.)	LBS/FT	LBS/IN	DIA.		DEPTH		
2 1/2	5.79	0.48	4'-3 1/2"	12"	4'-6"	0.13	
3	7.58	0.63	4'-3 1/2"	12"	4'-6"	0.13	
4	10.79	0.90	5'-3 1/2"	18"	5'-6"	0.36	

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

SIGNING SHEET  
SHEET 2 OF 2

D-29

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



THIS PANE  
DEMONSTRATES  
THE DESIRED  
FINALIZED  
PAVEMENT  
MARKING  
FOR  
NORTHBOUND  
I-35 RAMPS  
AT MO-92

NOT TO SCALE

THIS PANE  
DEMONSTRATES  
THE DESIRED  
FINALIZED  
PAVEMENT  
MARKING  
FOR  
NORTHBOUND  
I-35 RAMPS  
AT MO-92

NOT TO SCALE

MEASURED FROM CENTER OF MANHOLE LID

\* SLIGHT KINK ALIGNS WITH MARKINGS ON EAST SIDE OF INTERSECTION

\*\* 3 CHEVRONS SPACED AT 25' (CENTER ONE IS EXISTING)

27' LONG - 40' RADIUS

43' 15'

10.50'

61' 10'

100'

50'

60'

37'

28'

12.50'

39' LONG - 137' RADIUS

INTERSECTION MARKING (2' MARK, 4' GAP)

CURVE 46' LONG - 40' RADIUS

THIS PANE DEMONSTRATES THE CHANGED PAVEMENT MARKING FOR NORTHBOUND I-35 RAMPS AT MO-92

NOT TO SCALE

PAVEMENT MARKING SHEET  
INTERSECTION DETAILS  
SHEET 1 OF 1

MEASURED FROM CENTER OF MANHOLE LID

\* SLIGHT KINK ALIGNS WITH MARKINGS ON EAST SIDE OF INTERSECTION

\*\* 3 CHEVRONS SPACED AT 25' (CENTER ONE IS EXISTING)

27' LONG - 40' RADIUS

43' 15'

10.50'

61' 10'

22'

60'

37'

28'

12.50'

39' LONG - 137' RADIUS

INTERSECTION MARKING (2' MARK, 4' GAP)

CURVE 46' LONG - 40' RADIUS

100'

50'

59'

THIS PANE DEMONSTRATES THE CHANGED PAVEMENT MARKING FOR NORTHBOUND I-35 RAMPS AT MO-92

PAVEMENT MARKING SHEET  
INTERSECTION DETAILS  
SHEET 1 OF 1

NOT TO SCALE

MEASURED FROM CENTER OF MANHOLE LID

\* SLIGHT KINK ALIGNS WITH MARKINGS ON EAST SIDE OF INTERSECTION

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43' 15'

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50'

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22'

60'

59'

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28'

12.50'

39' LONG - 137' RADIUS

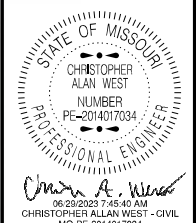
INTERSECTION MARKING (2' MARK, 4' GAP)

CURVE 46' LONG - 40' RADIUS

THIS PANE DEMONSTRATES THE CHANGED PAVEMENT MARKING FOR NORTHBOUND I-35 RAMPS AT MO-92

NOT TO SCALE

PAVEMENT MARKING SHEET  
INTERSECTION DETAILS  
SHEET 1 OF 1



DATE PREPARED  
6/28/2023

ROUTE	STATE
92	MO

92	MU
DISTRICT	SHEET NO.
KC	31

RC	ST
COUNTY	
CLAY	

CLAY
JOB NO.
14B3420


J4P3420
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)

--

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



DESIGN DESIGNATION

A.A.D.T. - 2021 = 1,100  
A.A.D.T. - 2041 = 1,400  
T = 7%  
V = 55 M.P.H.  
D = 50%

FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

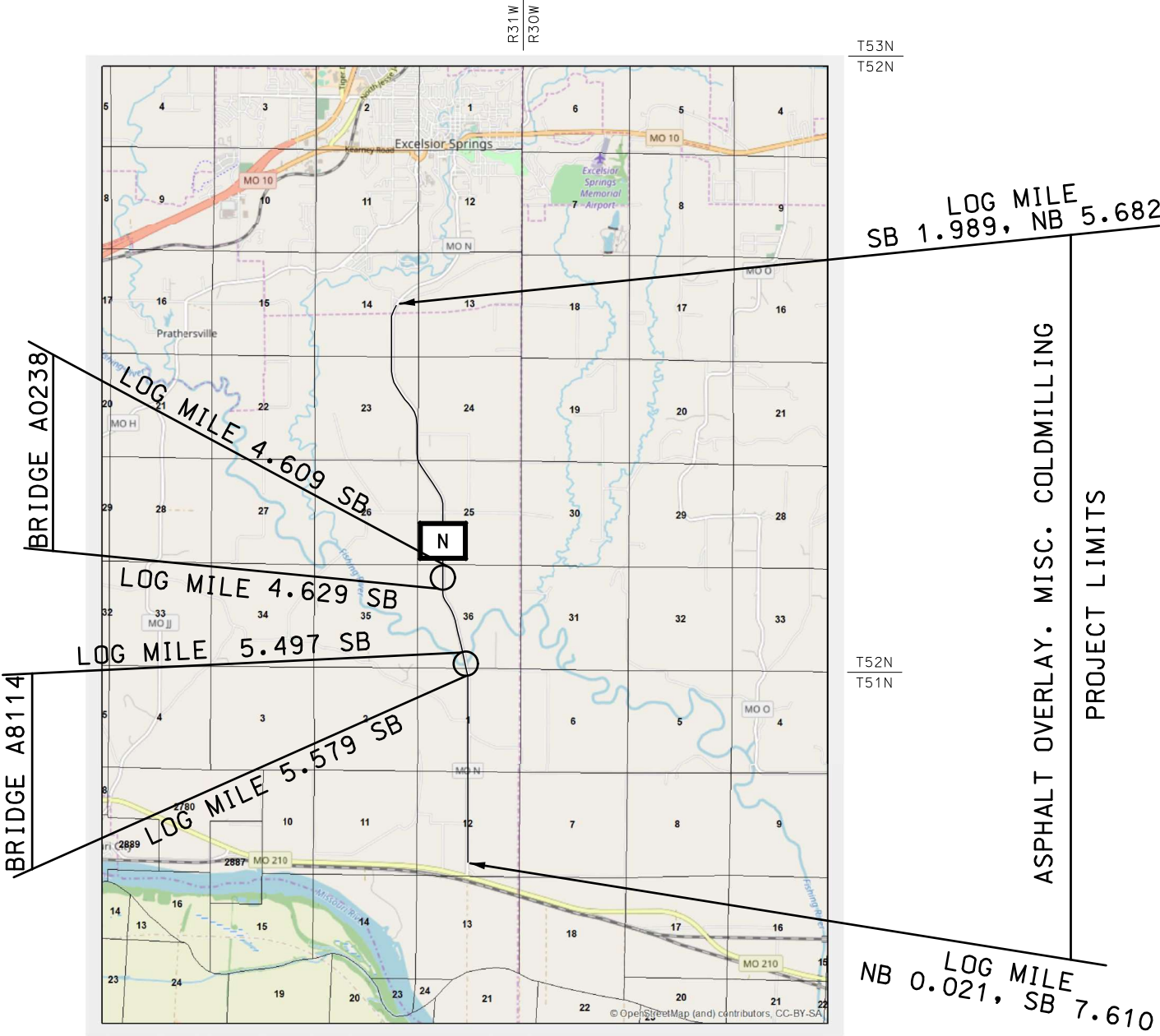
NO ROW REQUIRED

CONVENTIONAL SYMBOLS  
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY  
CLAY COUNTY

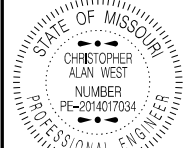


NOT TO SCALE

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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (3 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4
TRAFFIC CONTROL SHEETS (TC)-----	5-8



DATE PREPARED  
6/5/2023

ROUTE  
N

STATE  
MO

DISTRICT  
KC

SHEET NO.  
1

COUNTY  
CLAY

JOB NO.  
J4S3367

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

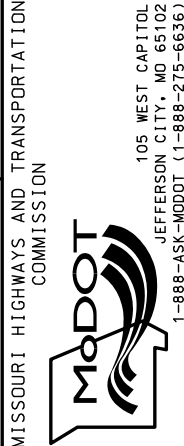
DATE

LENGTH OF PROJECT

BEGINNING OF PROJECT	S.B.L. LOG MILE 1.989
END OF PROJECT	S.B.L. LOG MILE 7.610
APPARENT LENGTH	29,678.88 FEET 5.621 MILES
EQUATIONS AND EXCEPTIONS:	NONE
EQUATIONS:	
EXCEPTIONS:	
BRIDGE A0238	100.59 FT.
4.609 TO 4.629	0.019 MILES
BRIDGE A8114	432.96 FT.
5.497 TO 5.579	0.082 MILES

TOTAL CORRECTIONS	533.55 FEET
NET LENGTH OF PROJECT	29,145.33 FEET
STATE LENGTH	5.520 MILES

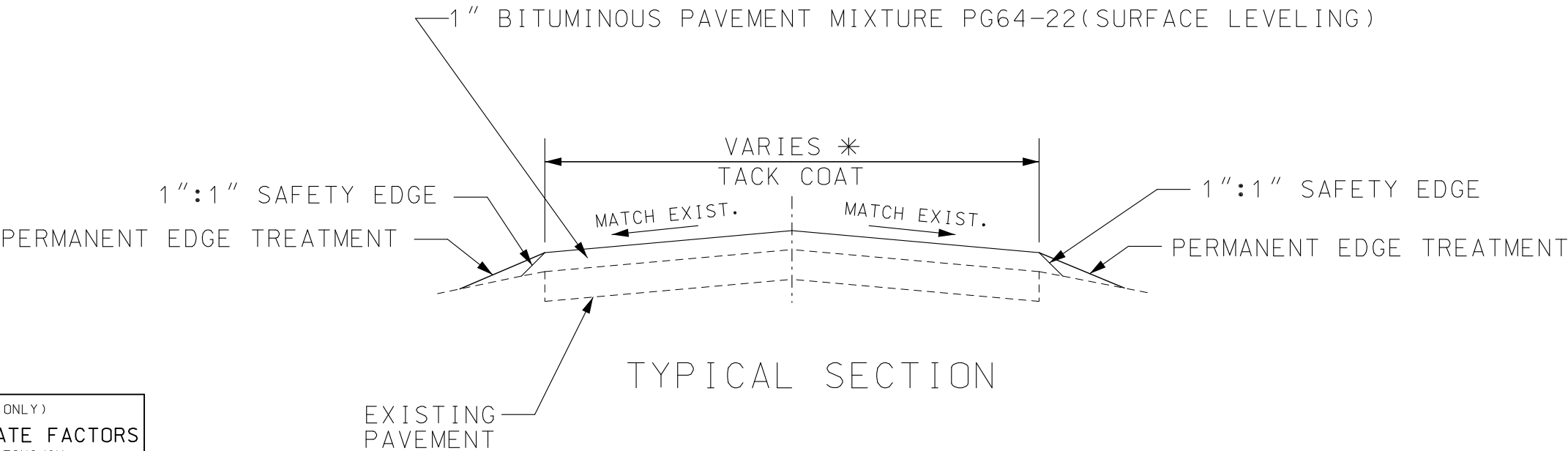
FOR INFORMATION ONLY  
ESTIMATED DISTURBED ACRES 0 ACRES



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

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

ROADWAY WIDTHS *					
ROUTE	LOG MILE	LOG MILE	NUMBER OF LANES	LANE WIDTH (FT)	ROADWAY WIDTH (FT)
ROUTE N	1.989	7.540	2	10	21
ROUTE N	7.540	7.567	2	10	21 TO 40
ROUTE N	7.567	7.610	2	10	40



(FOR INFORMATIONAL PURPOSES ONLY)  
**BITUMINOUS PAVEMENT ESTIMATE FACTORS**  
BIT. SURFACE LEVELING = 1.976 TONS/CY  
TACK COAT = 0.08 GAL/SY

NOTE: SURFACE PLACEMENT SHALL BE ONE PASS PER LANE  
NO S.E. CORRECTION.

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER

PE-2014017034

PROFESSIONAL ENGINEER

06/05/2023 2:45:27 PM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED

6/5/2023

ROUTE

N

STATE

MO

DISTRICT

KC

SHEET NO.

2

COUNTY

CLAY

JOB NO.

J4S3367

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)

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





GUARDRAIL					
LOG MILE START	LOG MILE END	MGS CRASHWORTHY END TERMINAL (MASH) EACH	BRIDGE APPROACH TRANSITION (BAT) EACH	MGS GUARDRAIL LF	NOTES
4.589	4.609	1	1	25.0	BR B0238 NW
4.589	4.609	1	1	25.0	BR B0238 NE
4.629	4.649	1	1	25.0	BR B0238 SW
4.629	4.649	1	1	25.0	BR B0238 SE
5.449	5.49	1	1	137.5	BR A8114 NW
5.469	5.49	1	1	25.0	BR A8114 NE
5.575	5.61	1	1	100.0	BR A8114 SW
5.575	5.61	1	1	100.0	BR A8114 SE
	TOTAL	8.0	8.0	463	

MARKINGS				
LOG MILE START	LOG MILE END	LENGTH FT	4 " WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS LF	4" YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT TYPE P BEADS LF
1.989	3.149	6,124.8	12,249.6	12,249.6
3.149	3.308	839.5	1,679.0	1,049.4
3.308	4.069	4,018.1	8,036.2	8,036.2
4.069	4.229	844.8	1,689.6	1,056.0
4.229	4.669	2,323.2	4,646.4	580.8
4.669	4.849	950.4	1,900.8	1,188.0
4.849	5.109	1,372.8	2,745.6	2,745.6
5.109	5.229	633.6	1,267.2	792.0
5.229	5.369	739.2	1,478.4	184.8
5.369	5.449	422.4	844.8	528.0
5.449	5.629	950.4	1,900.8	1,900.8
5.629	5.669	211.2	422.4	264.0
5.669	5.849	950.4	1,900.8	1,900.8
5.849	5.929	422.4	844.8	528.0
5.929	5.969	211.2	422.4	422.4
5.969	6.249	1,478.4	2,956.8	1,848.0
6.249	6.95	3,701.3	7,402.6	925.3
6.95	7.05	528.0	1,056.0	660.0
7.05	7.19	739.2	1,478.4	184.8
7.19	7.39	1,056.0	2,112.0	1,320.0
7.39	7.59	1,056.0	2,112.0	264.0
7.59	7.61	105.6	211.2	211.2
		TOTAL	59,358	38,840

MOBILIZATION
1 LUMP SUM

PERMANENT AGGREGATE EDGE TREATMENT				
LOG MILE START	LOG MILE END	LENGTH FT	AREA CY	TONS
1.989	7.61	118,715.5	732.8	1,377.7
			TOTAL	1,378

PARTIAL DEPTH PAVEMENT REPAIR					
LOG MILE	DIRECTION	LENGTH	WIDTH	REMOVAL FOR PARTIAL DEPTH REPAIR SY	FURNISH/PLACE CLASS C PARTIAL DEPTH TON
0.119	NB	15	2	3.33	0.3
0.182	NB	30	2	6.67	0.7
0.189	NB	20	2	4.44	0.5
1.073	NB	15	2	3.33	0.3
1.08	NB	10	2	2.22	0.2
1.221	NB	20	2	4.44	0.5
1.504	NB	35	2	7.78	0.8
1.558	NB	20	2	4.44	0.5
1.802	NB	45	2	10.00	1.0
2.561	NB	65	2	14.44	1.5
2.567	NB	20	2	4.44	0.5
4.671	NB	35	2	7.78	0.8
4.731	NB	125	2	27.78	2.9
4.762	NB	75	2	16.67	1.7
4.915	NB	35	2	7.78	0.8
4.988	NB	18	2	4.00	0.4
5.057	NB	40	2	8.89	0.9
5.111	NB	90	2	20.00	2.1
2.054	SB	40	2	8.89	0.9
2.092	SB	20	2	4.44	0.5
2.1	SB	160	2	35.56	3.7
2.147	SB	40	2	8.89	0.9
2.468	SB	15	2	3.33	0.5
2.697	SB	25	4	11.11	1.2
2.702	SB	8	2	1.78	0.2
2.772	SB	15	2	3.33	0.3
2.774	SB	10	2	2.22	0.2
2.786	SB	3	2	0.67	0.1
2.796	SB	15	4	6.67	0.7
2.899	SB	10	3	3.33	0.3
2.981	SB	10	4	4.44	0.5
3.61	SB	8	2	1.78	0.2
3.748	SB	5	3	1.67	0.2
4.05	SB	16	2	3.56	0.4
4.893	SB	8	2	1.78	0.2
4.894	SB	5	4	2.22	0.2
5.145	SB	5	2	1.11	0.1
			TOTAL	265.2	27.7

SUMMARY OF QUANTITIES  
SHEET 2 OF 3

[illegible]

EFFECTIVE: 10-01-2022																				
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION							ITEM	TOTAL	DESCRIPTION			
IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.											NUMBER	QTY		
WARNING SIGNS															GUIDE SIGNS					
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)							6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)			
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)							6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)			
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)							6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)			
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)							6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)			
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)							6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)			
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)							6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)			
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)							6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)			
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)							6122020		REPLACEMENT SAND BARREL			
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)							6122030		IMPACT ATTENUATOR (RELOCATION)			
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)							6123000A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)			
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)							6161008		ADVANCED WARNING RAIL SYSTEM			
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)							6161012		BUOYS (BOATS KEEP OUT)			
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)							6161013		BUOYS (NO WAKE)			
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)							6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)			
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)							6161025	168	CHANNELIZER (TRIM LINE)			
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)							6161030		TYPE III MOVEABLE BARRICADE			
W01-8	18X24	3.00						CHEVRON (SYMBOL)							6161033		DIRECTION INDICATOR BARRICADE			
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)							6161040		FLASHING ARROW PANEL			
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)							6161047		TYPE III OBJECT MARKER			
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)							6161055		SEQUENTIAL FLASHING WARNING LIGHT			
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)							6161070		TUBULAR MARKER			
W03-4	48X48	16.00	2	32.00				BE PREPARED TO STOP							6161095		RADAR SPEED ADVISORY SYSTEM			
W03-5	48X48	16.00	4	64.00				SPEED LIMIT AHEAD									CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED			
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)							6161096					
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)							6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED			
W04-1aL	48X48	16.00						MERGE (ARROW SYMBOL)								2	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED			
W04-1aR	48X48	16.00						MERGE (ARROW SYMBOL)							6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM			
W05-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS							6162002		TEMPORARY LONG-TERM RUMBLE STRIPS			
W05-3	48X48	16.00						ONE LANE BRIDGE							6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS			
W05-5	48X48	16.00						NARROW LANES									TEMPORARY TRAFFIC BARRIER			
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)							6173600D		CONTRACTOR FURNISHED/RETAINED			
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)									TEMPORARY TRAFFIC BARRIER			
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)							6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED			
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)							6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION			
W08-1	48X48	16.00						BUMP							6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER			
W08-2	48X48	16.00						DIP									TEMPORARY TRAFFIC BARRIER			
W08-3	48X48	16.00						PAVEMENT ENDS							6176000B		COMMISSION FURNISHED/RETAINED			
W08-4	48X48	16.00						SOFT SHOULDER									TEMP. TRAFFIC BARRIER HEIGHT TRANSITION			
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)							6177000B		COMMISSION FURNISHED/RETAINED			
W08-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)							6208064A		TEMPORARY RAISED PAVEMENT MARKER			
W08-6c	48X48	16.00						TRUCK ENTRANCE							9029400		TEMPORARY TRAFFIC SIGNALS			
W08-7	36X36	9.00						LOOSE GRAVEL							9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING			
W08-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL												
W08-9	48X48	16.00						LOW SHOULDER												
W08-11	48X48	16.00	6	96.00				UNEVEN LANES												
W08-12	48X48	16.00	6	96.00				NO CENTER LINE												
W08-15	48X48	16.00						GROOVED PAVEMENT												
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)												
W08-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)												
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)												
W10-1	42RND.	9.62						RAILROAD CROSSING												
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)												
W012-2	48X48	16.00						LOW CLEARANCE (SYMBOL)												
W012-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)												
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)												
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD												
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD												
W013-1	30X30	6.25						ADVISORY SPEED (PLAQUE)												
W016-2	30X24	5.00						XXX FEET (PLAQUE)												
W016-3	30X24	5.00						X MILE (PLAQUE)												
W020-1	48X48	16.00	6	96.00				ROAD/BRIDGE/RAMP WORK AHEAD												
W020-2	48X48	16.00						DETOUR AHEAD												
W020-3	48X48	16.00						ROAD CLOSED AHEAD												
W020-4	48X48	16.00	4	64.00				ONE LANE ROAD AHEAD							616-10.05		TOTAL			
W020-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD							CONSTRUCTION SIGNS	626				
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD							616-10.10		TOTAL			
W020-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED							RELOCATED SIGNS	0				
W020-7a	48X48	16.00	4	64.00				FLAGGER (SYMBOL, WITH FLAGS)												
W021-2	36X36	9.00						FRESH OIL												
W021-5	48X48	16.00						SHOULDER WORK AHEAD												
W022-1	48X48	16.00						BLASTING ZONE AHEAD												
W022-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE												
W022-3	42X36	10.50						END BLASTING ZONE												
G022-1	21X15	2.19						WET PAINT (ARROW PIVOTS)												

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER

PE-2014017034

PROFESSIONAL ENGINEER

06/14/2023 11:04:16 AM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED

6/14/2023

ROUTE

N

STATE

MO

DISTRICT

KC

SHEET NO.

3

COUNTY

CLAY

JOB NO.

J4S3367

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

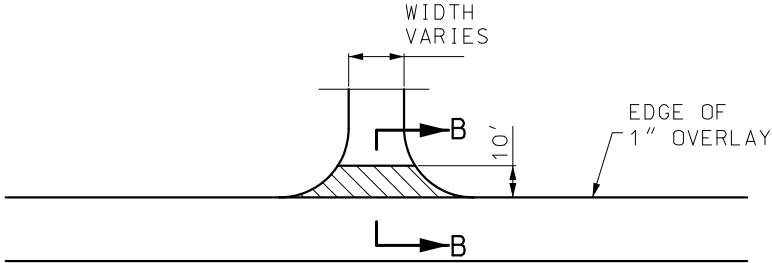
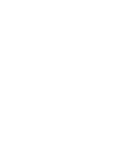
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

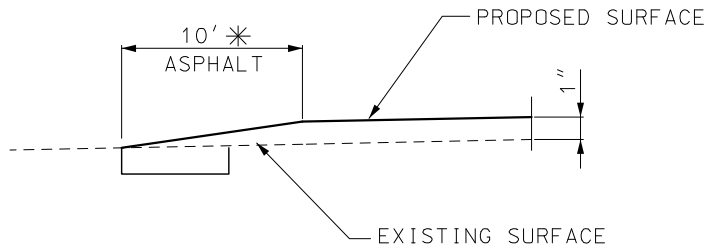
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES

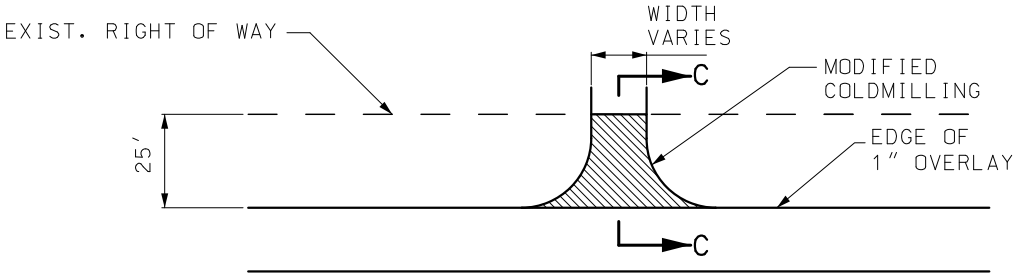
SHEET 3 OF 3



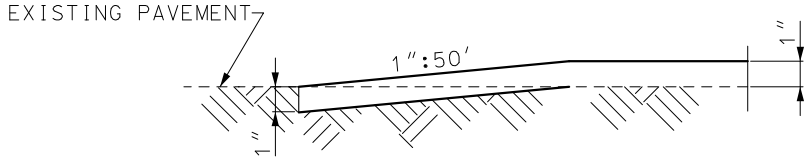
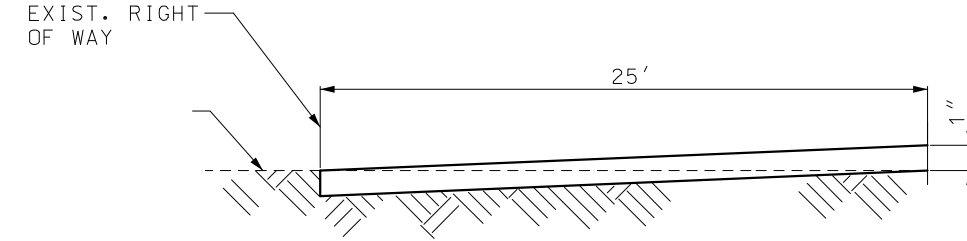
SECTION B-B  
TYPICAL GRAVEL ENTRANCE  
(FIELD OR PRIVATE ROAD)  
\*TAPER AT 1:1 FOR FIELD ENTRANCE



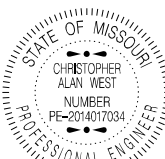
SECTION B-B  
TYPICAL ASPHALT ENTRANCE  
(FIELD OR PRIVATE ROAD)  
\*TAPER AT 1:1 FOR FIELD ENTRANCE



SECTION C-C  
TYPICAL ASPHALT FOR  
CITY OR COUNTY ROAD  
\*APPLY 25' TO ASPHALT ENTERANCES  
114TH STREET AND 96TH STREET.



TRAVELWAY DEPTH TRANSITIONS  
BEGINNING AND END OF PROJECT  
AND EXCEPTIONS



DATE PREPARED  
6/5/2023  
ROUTE N STATE MO  
DISTRICT KC SHEET NO. 4  
COUNTY CLAY  
JOB NO. J4S3367  
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)

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





W020-1  
2

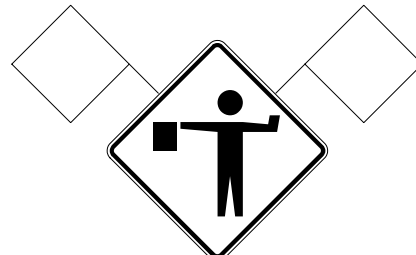


53

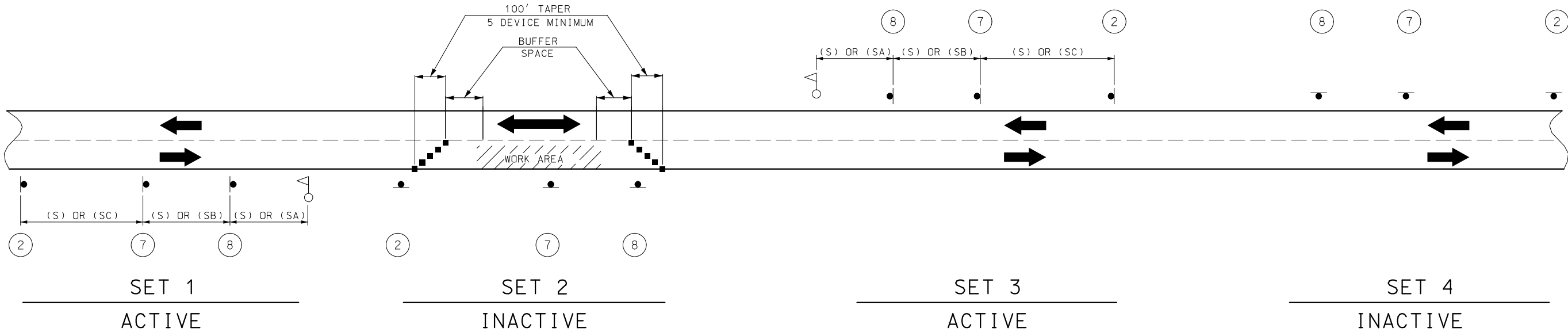
SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



W020-4  
7



W020-7a  
8



SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

■ - CHANNELIZERS

○ - FLAGGER

#### NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

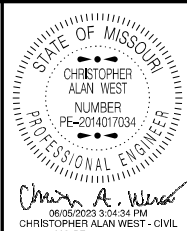
SPEED	SIGN SPACING (FT.)	
	(1)	
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

PERMANENT POSTED SPEED LIMIT (MPH)	BUFFER SPACE LENGTH (FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840

#### NOTES:

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.



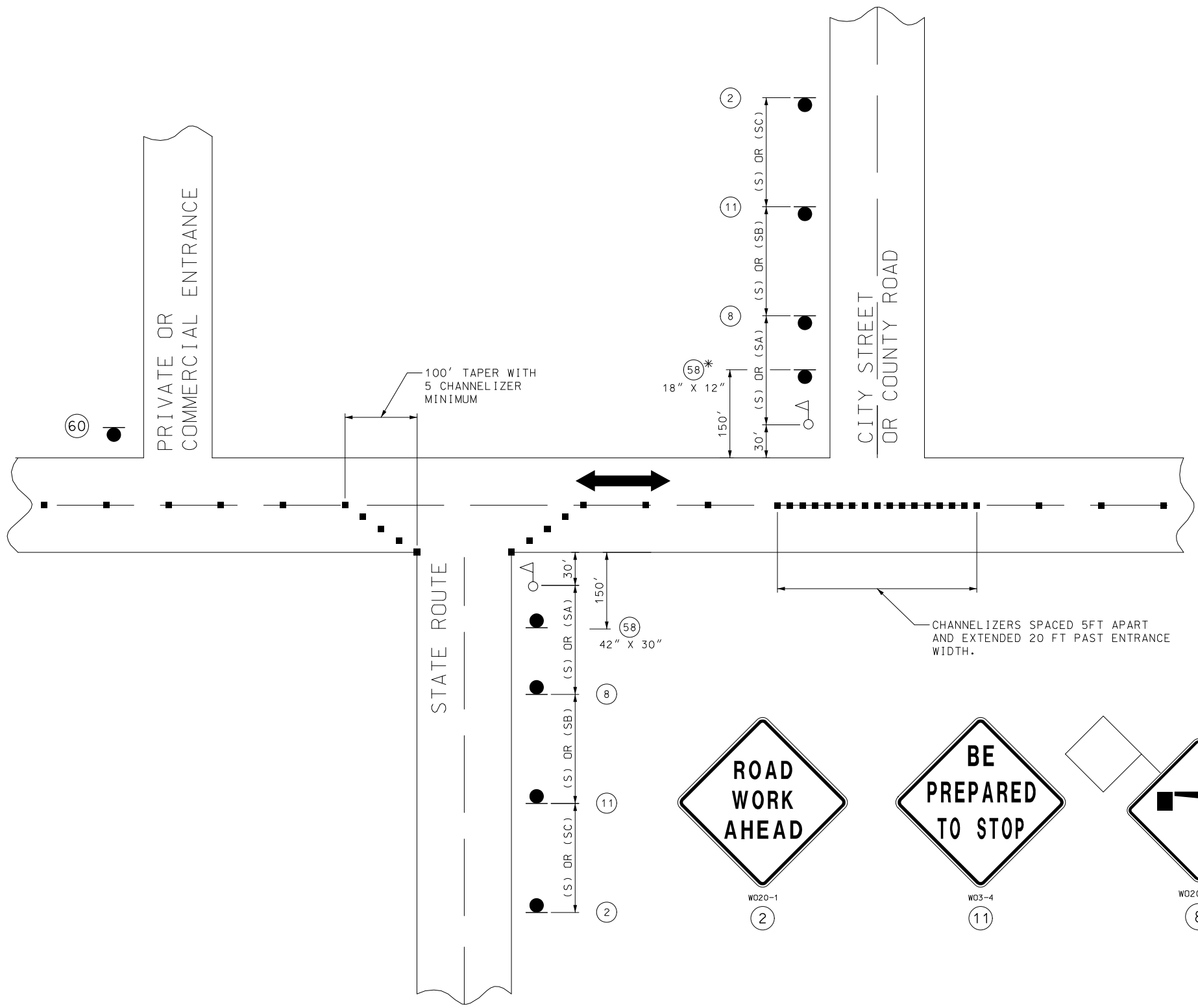
DATE PREPARED  
6/5/2023  
ROUTE N STATE MO  
DISTRICT KC SHEET NO. 6  
COUNTY CLAY  
JOB NO. J4S3367  
CONTRACT ID.

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)

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

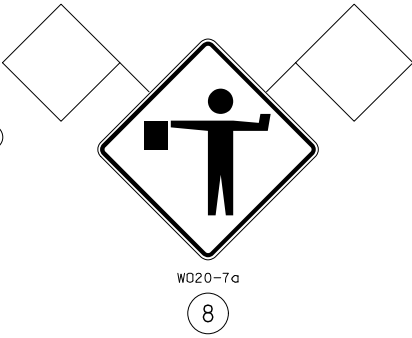


SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
PERMANENT POSTED (MPH)		
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

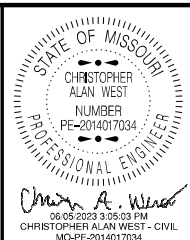
NOTES:  
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.  
  
ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

- - CHANNELIZERS ( AS SPECIFIED )
- △ - FLAGGER



SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.  
  
\* THE SMALLER 18" X 12" SIGN 58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).


SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE SPECIAL PROVISIONS.



DATE PREPARED 6/5/2023	
ROUTE N	STATE MO
DISTRICT KC	SHEET NO. 7
COUNTY CLAY	
JOB NO. J4S3367	
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)

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



(1) ADDITIONAL SIDEROADS MAY BE SIGNED AS APPROVED BY THE ENGINEER.



NOTES:


SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH  
STANDARD PLAN 616.10 AND 903.03.

NOT TO SCALE

TRAFFIC CONTROL  
SHEET 4 OF 4



MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

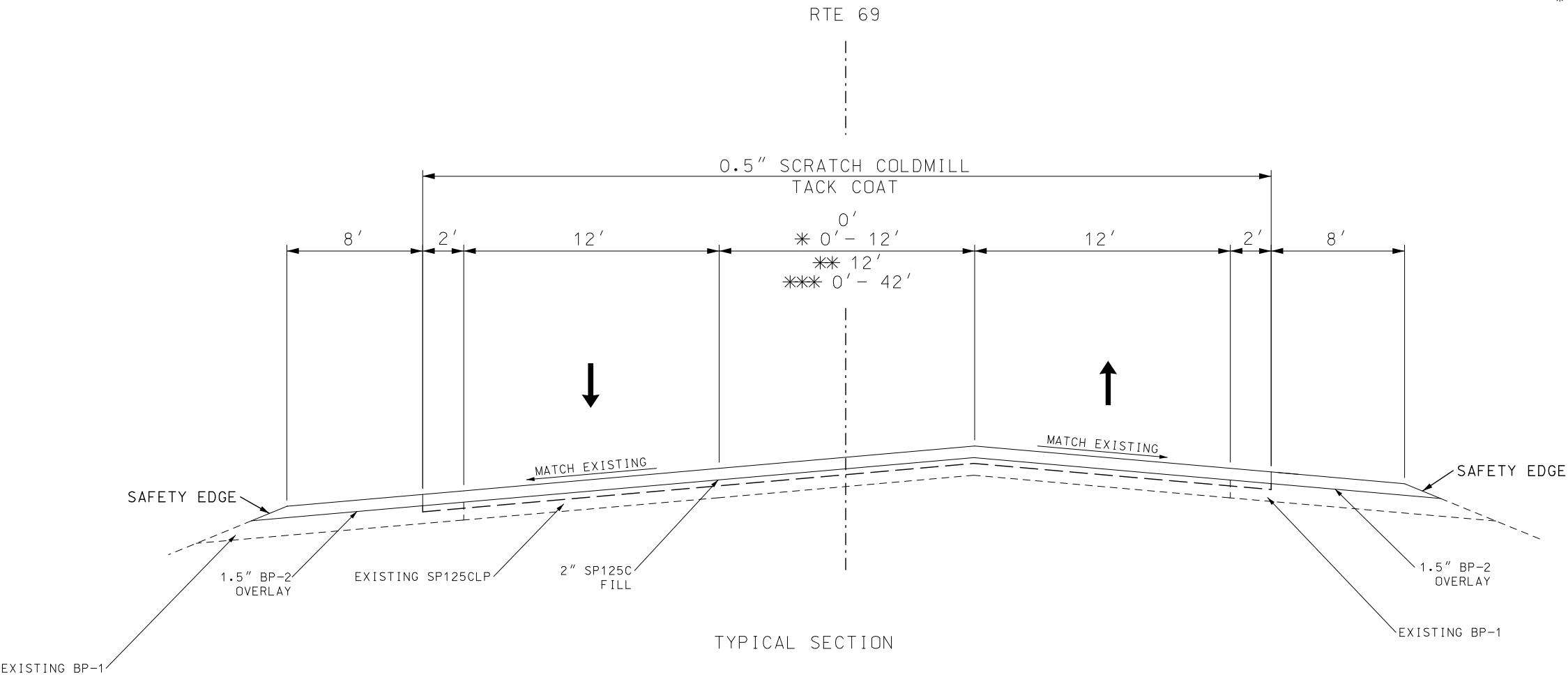
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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

REV.





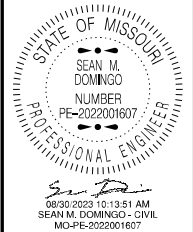


\*\* SB LOG MILE 92.651 TO LOG MILE 92.829  
\* SB LOG MILE 92.900 TO LOG MILE 92.980  
SB LOG MILE 93.151 TO LOG MILE 93.311  
\* SB LOG MILE 93.351 TO LOG MILE 93.411  
SB LOG MILE 93.411 TO LOG MILE 93.711  
\* SB LOG MILE 93.711 TO LOG MILE 93.791  
\* SB LOG MILE 93.791 TO LOG MILE 94.091  
SB LOG MILE 94.091 TO LOG MILE 94.272  
\* SB LOG MILE 94.272 TO LOG MILE 94.352  
\* SB LOG MILE 94.352 TO LOG MILE 94.653  
SB LOG MILE 94.653 TO LOG MILE 94.693  
\* SB LOG MILE 94.693 TO LOG MILE 94.763  
\*\* SB LOG MILE 94.763 TO LOG MILE 94.935  
\* SB LOG MILE 94.935 TO LOG MILE 94.994  
SB LOG MILE 94.994 TO LOG MILE 95.114  
\*\*\* SB LOG MILE 95.114 TO LOG MILE 95.215

NOT TO SCALE  
TYPICAL SECTION  
SHEET 1 OF 4

TACK COAT	0.10 GAL/YD <sup>2</sup>
BP-2	1.996 TON/YD <sup>3</sup>
SP125C	1.973 TON/YD <sup>3</sup>

\* FOR INFORMATION PURPOSES ONLY



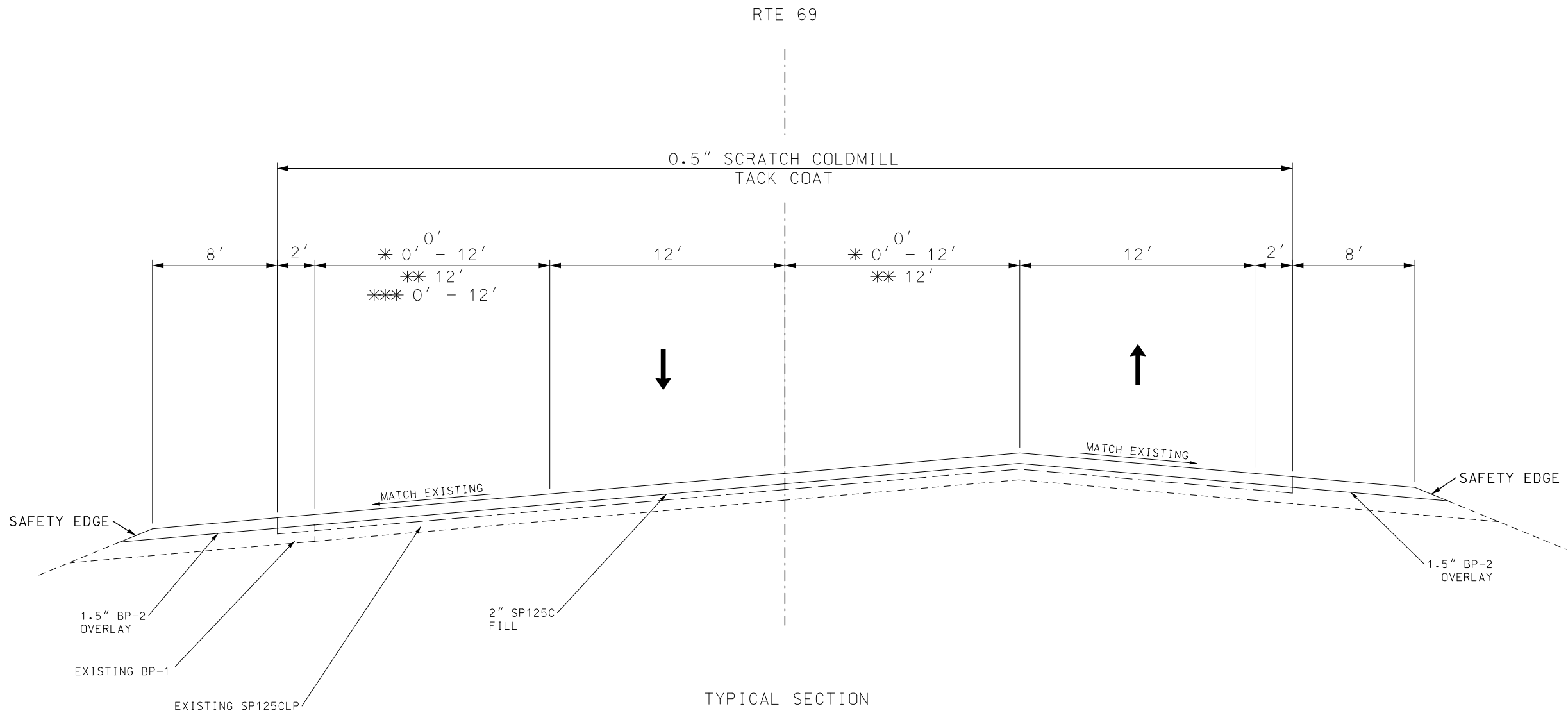
DATE PREPARED 8/30/2023	
ROUTE 69	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CLAY	
JOB NO. J453413	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

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



\*\* SB LOG MILE 92.829 TO LOG MILE 92.869  
\*\*\* SB LOG MILE 92.869 TO LOG MILE 92.900  
SB LOG MILE 92.980 TO LOG MILE 93.030  
\* SB LOG MILE 93.030 TO LOG MILE 93.101  
\*\* SB LOG MILE 93.101 TO LOG MILE 93.151  
\*\* SB LOG MILE 93.311 TO LOG MILE 93.351

NOT TO SCALE  
TYPICAL SECTION  
SHEET 2 OF 4



DATE PREPARED 8/29/2023	
ROUTE 69	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CLAY	
JOB NO. J4S3413	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

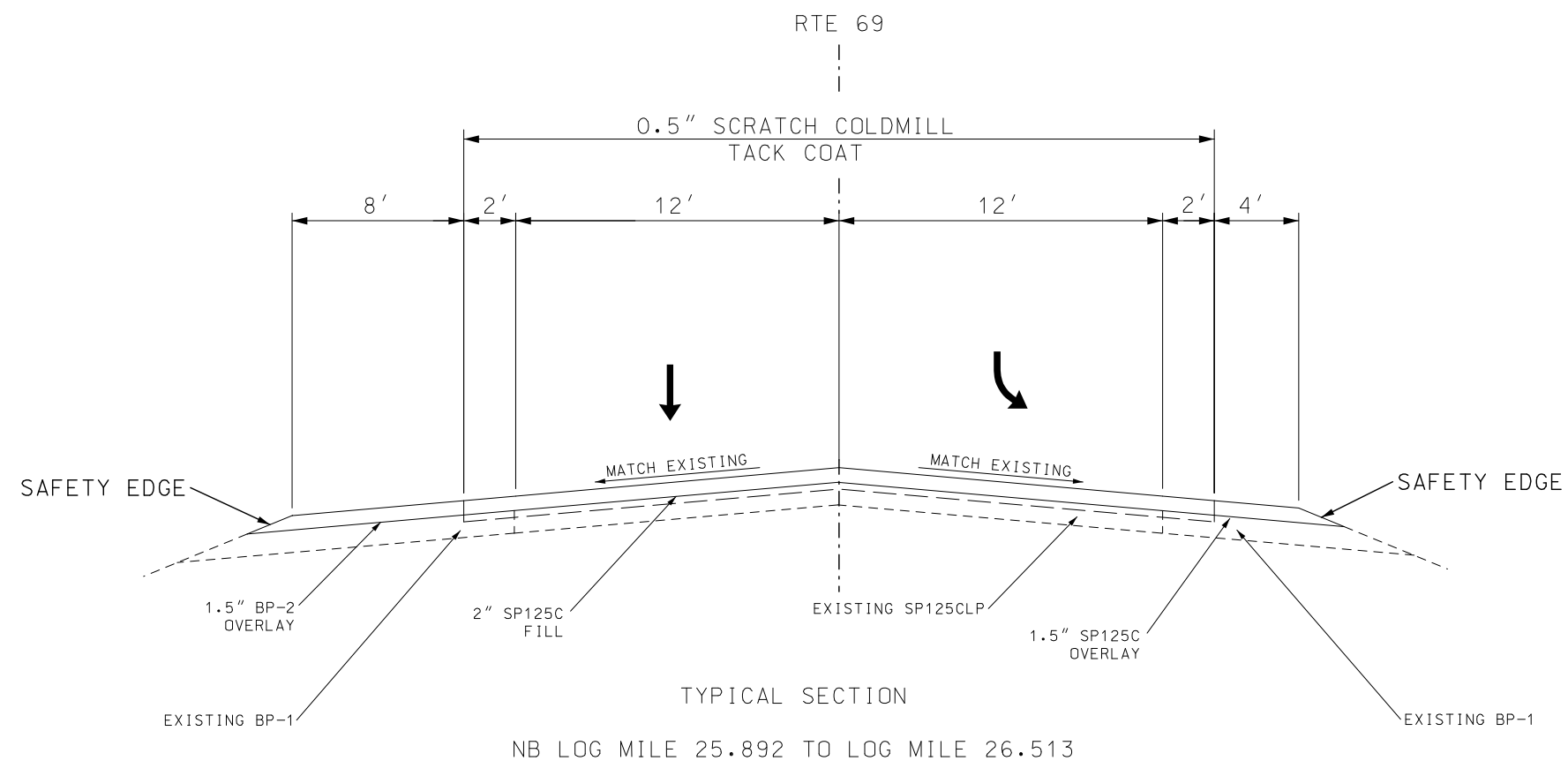
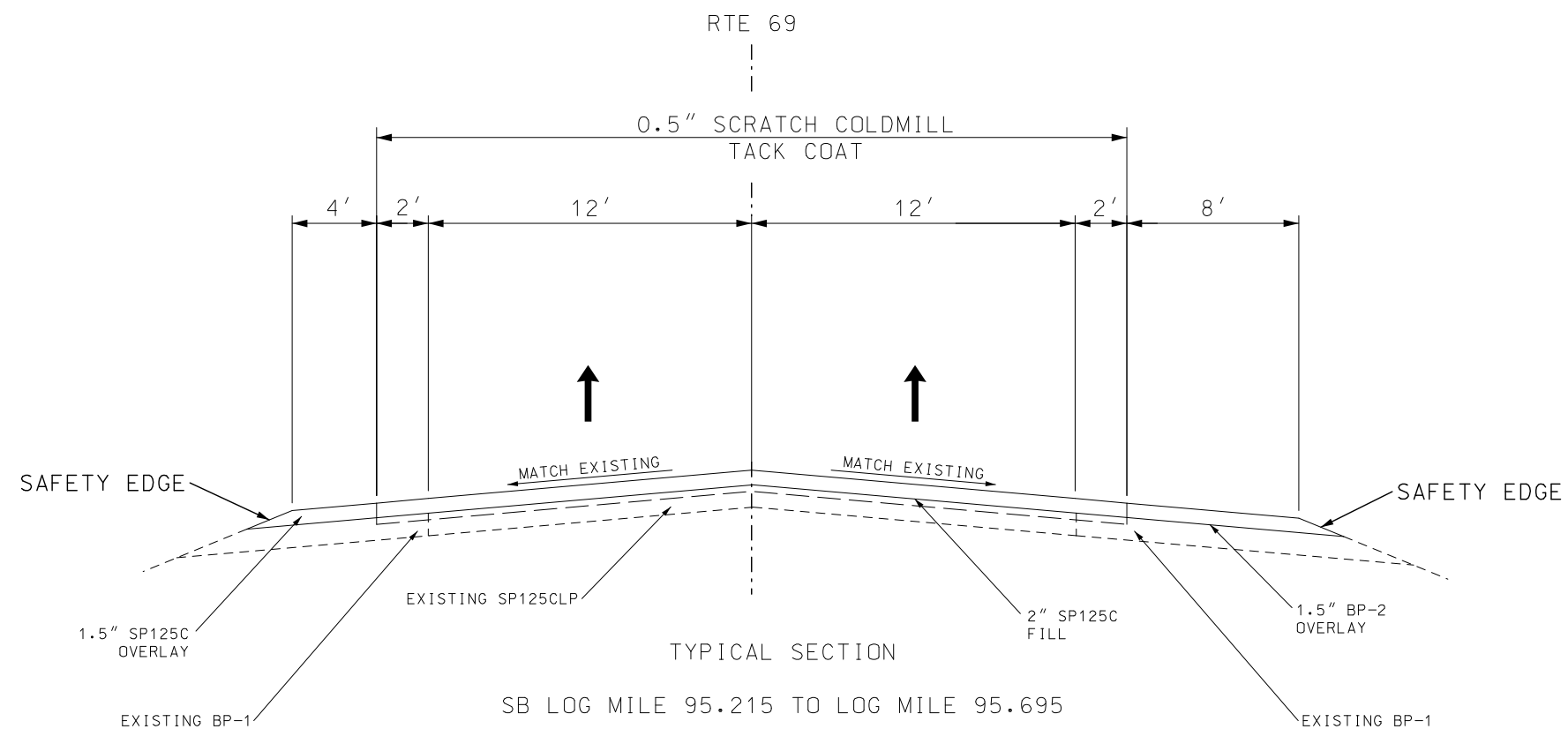
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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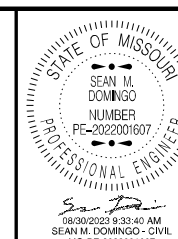
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOT TO SCALE

TYPICAL SECTION

SHEET 3 OF 4



MO-PE-2022001607

8/29/202

ROUTE	ST
60	M

69	M
DISTRICT	SHE

KC	
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CLAY

JOB NO. 1162115

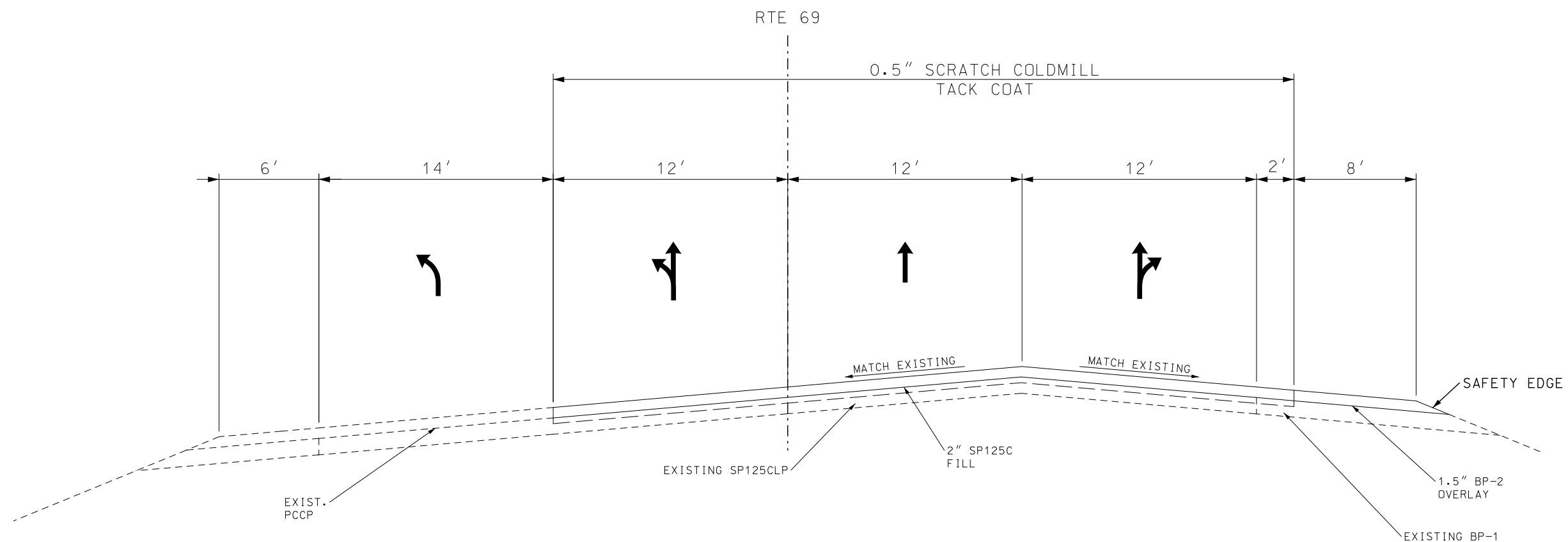
1453413

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CONTRACT ID

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COMMISSION[illegible]

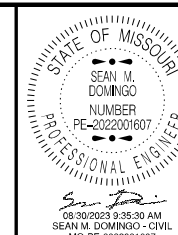


TYPICAL SECTION

SB LOG MILE 95.695 TO LOG MILE 95.834

NOT TO SCALE

TYPICAL SECTION  
SHEET 4 OF 4



DATE PREPARED

8/29/20

ROUTE	S
50	

69	
DISTRICT	SHE

KC

COUNTY

CLAY

JOB NO.  
145341

743341  
CONTRACT I

PROJECT NO. \_\_\_\_\_

BRIDGE NC

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COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY MO 65102

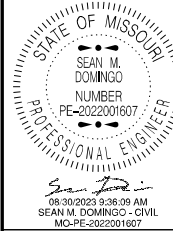
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

ASPHALT QUANTITIES												
LOG MILE START	LOG MILE END	LENGTH (FT)	WIDTH (FT)	SHOULDER WIDTH LEFT (FT)	SHOULDER WIDTH RIGHT (FT)	2" ASPHALTIC CONCRETE MIXTURE PG70-22 (SP 125C MIX) (TONS)	1.5" BITUMINOUS PAVEMENT PG64-22 (BP-2) (TONS)	TACK COAT (GAL)	0.5" SCRATCH COLD MILLING (SY)	MODIFIED COLD MILLING (SY)	NOTES	
SOUTHBOUND												
92.651	92.665	75.0	40	8	8	36.5	5.7	46.7	0	466.7	PROJECT START	
92.665	92.829	864.8	52	8	8	547.7	132.1	653.4	6534.3	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
92.829	92.869	211.2	40	8	8	102.9	32.3	131.4	1314.1	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
92.869	92.900	163.7	34	8	8	67.8	24.2	90.9	909.3	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
92.900	92.980	422.4	34	8	8	174.9	62.5	234.7	2346.7	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
92.980	93.030	264.0	28	8	8	90.0	39.0	129.1	1290.7	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
93.030	93.101	374.9	40	8	8	182.6	55.4	233.3	2332.6	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
93.101	93.151	264.0	52	8	8	167.2	39.0	199.5	1994.7	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
93.151	93.311	844.8	28	8	8	288.1	124.9	413.0	4130.1	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
93.311	93.351	211.2	52	8	8	133.8	31.2	159.6	1595.7	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
93.351	93.411	316.8	34		8	131.2	46.8	176.0	1760.0	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
93.411	94.272	4546.1	**	**	**	1752.3	1623.6	1952.2	19521.9	0	HALF-WIDTH VRAM ON UNCONFINED JOINTS	
94.272	94.352	422.4	34	8	8	174.9	62.5	234.7	2346.7	0	** SEE OVERMILL TABLE FOR DETAILS	
94.352	94.653	1589.3	34	8	8	658.1	235.0	882.9	8829.3	0		
94.653	94.693	211.2	28	8	8	72.0	31.2	103.3	1032.5	0		
94.693	94.763	369.6	34	8	8	153.0	54.6	205.3	2053.3	0		
94.763	94.935	908.2	40	8	8	442.4	134.3	565.1	5650.8	0		
94.935	94.994	311.5	34	8	8	129.0	46.1	173.1	1730.7	0		
94.994	95.114	633.6	28	8	8	216.1	93.7	309.8	3097.6	0	USE RAPID PENETRATING EMULSION FOR UNCONFINED JOINTS	
95.114	95.215	533.3	49	8	8	318.2	78.8	385.1	3851.5	0	USE RAPID PENETRATING EMULSION FOR UNCONFINED JOINTS	
95.215	95.695	2534.4	28	* 4	8	864.3	187.4	1126.4	11264.0	0	USE RAPID PENETRATING EMULSION FOR UNCONFINED JOINTS	
95.695	95.820	658.9	38	0	8	304.9	48.7	336.8	3367.8	0	USE RAPID PENETRATING EMULSION FOR UNCONFINED JOINTS	
95.820	95.834	75.0	38	0	8	20.6	5.5	38.3	0	120.6	PROJECT END	
NORTHBOUND												
25.892	26.499	3203.9	26	8	* 4	1287.7	355.3	1352.7	13527.5	0	* SHOULDERS 4' OR LESS USE MAINLINE PAVEMENT	
26.499	26.513	75.0	26	8	* 4	15.1	4.2	31.7	0	316.7	PROJECT END	
1% FOR SAFETY EDGE						83.1	35.5					
SIDE ROADS, ENTRANCES, AND RAMPS												
LOCATION		LOG MILE	AREA (SY)		2" ASPHALTIC CONCRETE MIXTURE PG70-22 (SP 125C MIX) (TONS)		1.5" BITUMINOUS PAVEMENT PG64-22 (BP-2) (TONS)		TACK COAT (GAL)	0.5" SCRATCH COLD MILLING (SY)	MODIFIED COLD MILLING (SY)	NOTES
PRIVATE DRIVE		92.691	86.55		0		7.20		8.7	86.6	0	RIGHT
C E KING ST		92.831	75.42		0		6.27		7.5	75.4	0	RIGHT
ITALIAN WAY		92.831	579.99		63.57		0		58.0	0	580.0	LEFT
JILL LN		92.992	95.19		0		7.92		9.5	0	95.2	RIGHT
RAINBOW BLVD W		92.153	426.57		0		35.48		42.7	0	426.6	
RAINBOW BLVD E		92.153	706.25		77.41		14.48		88.0	0	706.3	174.07 SY OF SHOULDER PAVEMENT
ROSE AVE		93.313	210.8		0		17.53		21.1	0	210.8	
PRIVATE DRIIVE		93.313	150.08		0		12.48		15.0	150.1	0	RIGHT
REA ST		93.512	197.76		0		16.45		19.8	0	197.8	
TRACY AVE W		93.873	162.88		0		13.55		16.3	0	162.9	
TRACY AVE E		93.873	280.96		0		23.37		28.1	0	281.0	
WORNALL RD W		94.454	294.19		0		24.47		29.4	0	294.2	
WORNALL RD E		94.545	251.15		0		20.89		25.1	0	251.2	
SIOUAN ST		94.636	91.12		0		7.58		9.1	0	91.1	RIGHT
JUNIPER ST		94.636	141.83		0		11.80		14.2	0	141.8	LEFT
CROWN HILL RD N		94.879	301.03		0		25.04		30.1	0	301.0	RIGHT
CROWN HILL RD S		94.879	890.34		0		74.05		89.0	0	890.3	LEFT
SCHWARTZ AVE		95.058	207.64		0		17.27		20.8	0	207.6	RIGHT
KEARNEY RD		95.300	553.01		0		45.99		55.3	0	553.0	
S JESSE JAMES RD		95.699	1826.36		87.06		85.83		182.6	1253.2	573.2	1032.07 SY OF SHOULDER PAVEMENT
10% BUFFER						835.7	357.8					
TOTAL						9421.0	4403.7	10819	102048	6868		

OVERMILL ASPHALT QUANTITIES											
LOG MILE START	LOG MILE END	LENGTH (FT)	WIDTH (FT)	SHOULDER WIDTHS (FT)	2" ASPHALTIC CONCRETE MIXTURE PG70-22 (SP 125C MIX) (TONS)	1.5" BITUMINOUS PAVEMENT PG64-22 (BP-2) (TONS)	TACK COAT (GAL)	0.5" SCRATCH COLDMILLING (SY)	COLDMILLING FOR OVERMILL (SY)	NOTES	
SOUTHBOUND											
93.411	93.711	1584.0	28	8	559.5	526.9	633.6	6336.0	176.0	1.5" MILL FOR OVERMILL ON SHOULDERS	
93.711	93.791	422.4	34	8	180.1	163.9	197.1	1971.2	46.9		
93.791	94.091	1584.0	34	8	675.2	614.8	739.2	7392.0	176.0		
94.091	94.272	955.7	28	8	337.5	317.9	382.3	3822.7	106.2		
TOTAL					1752.3	1623.6	1952.2	19521.9	* 506	* COLDMILL FOR OVERMILL SEPARATE QUANTITY	

MOBILIZATION
1 LUMP SUM

SUMMARY OF QUANTITIES  
SHEET 1 OF 4



DATE PREPARED  
8/29/2023  
ROUTE 69  
DISTRICT KC  
STATE MO  
SHEET NO. 3

COUNTY  
CLAY  
JOB NO.  
J453413  
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)

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



RAPID PENETRATING EMULSION				
LOG MILE START	LOG MILE END	LENGTH (FT)	AREA SPRAYED (SY)	RAPID PENETRATING EMULSION (GAL)
94.994	95.114	633.6	281.6	56.3
95.114	95.215	533.3	237.0	47.4
95.215	95.695	2534.4	1126.4	225.3
95.695	95.834	733.9	326.2	65.2
TOTAL				330

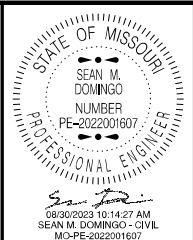
HALF-WIDTH VOID-REDUCING ASPHALT MEMBRANE			
LOG MILE START	LOG MILE END	LENGTH (FT)	TOTAL LENGTH OF MEMBRANES (FT)
SOUTHBOUND			
HALF-WIDTH VRAM (9")			
92.660	92.869	1103.5	2207.0
92.869	92.900	163.7	327.4
92.900	93.030	686.4	1372.8
93.030	93.101	374.9	749.8
93.101	93.151	264.0	528.0
93.151	93.311	844.8	1689.6
93.311	93.351	211.2	422.4
93.351	93.411	316.8	633.6
TOTAL			3274

LOOP DETECTORS					
LOCATION	LOGMILE	LANE	* SAW CUT (LF)	1 C 14 AWG CABLE IN DUCT (FT)	NOTES
SOUTHBOUND					
US 69 S	93.877	RIGHT	50	140	BOX IN NW CORNER
		LEFT	166	490	
US 69 N	93.897	RIGHT	71	223	BOX IN SW CORNER
		LEFT	158	457	
TRACEY AVE E	93.887	THROUGH	128	337	BOX IN NE CORNER
US 69 S	94.456	LEFT	81	267	BOX IN NW CORNER
		RIGHT	135	366	
US 69 N	94.476	LEFT	47	131	BOX IN SE CORNER
		RIGHT	167	493	
WORNALL RD W	94.466	THROUGH	130	348	BOX IN NE CORNER
US 69 S	94.861	RIGHT	75	243	BOX IN NE CORNER
		LEFT	144	401	
US 69 N	94.882	RIGHT	52	148	BOX IN SW CORNER
		LEFT	168	498	
CROWN HILL E	94.871	RIGHT	139	381	BOX IN NW CORNER
		LEFT	183	557	
CROWN HILL W	94.871	RIGHT	68	199	BOX IN SE CORNER
		LEFT	156	448	
TOTAL			836	** 1920	

\* NO DIRECT PAY FOR SAW CUTS RELATED TO DETECTOR LOOPS  
\*\* ROUNDED UP TO FACTOR OF 10'

GUARDRAIL			
LOCATION	LOG MILE	COMPONENTS	
		TYPE A CRASHWORTHY END TERMINAL (MASH) (EACH)	MGS BRIDGE APPROACH TRANSITION (THRIE-BEAM BRIDGE) (EACH)
NORTHBOUND			
RTE 69 N LEFT	26.100	1	1
RTE 69 N RIGHT		1	1
TOTAL		2	2

REMOVAL OF IMPROVEMENTS			
GUARDRAIL			
LOCATION	LOG MILE	COMPONENTS	
		TYPE A CRASHWORTHY END TERMINAL (MASH) (EACH)	MGS BRIDGE APPROACH TRANSITION (THREE-BEAM BRIDGE) (EACH)
NORTHBOUND			
RTE 69 N LEFT	26.100	1	1
RTE 69 N RIGHT		1	1
TOTAL		1 LUMP SUM	



DATE PREPARED	
8/30/2023	
ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
KC	3
COUNTY	
CLAY	
JOB NO.	
J453413	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

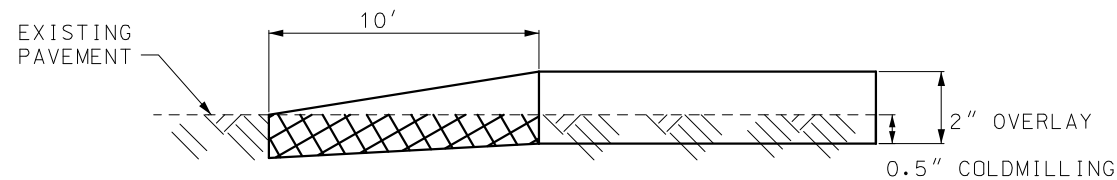


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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

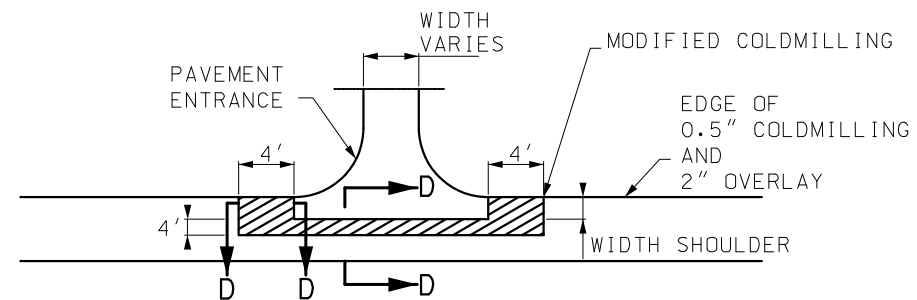






The diagram illustrates a cross-section of a road surface. On the left, a dashed line represents the 'EXISTING PAVEMENT' with a depth of 2". A horizontal dimension line above the surface indicates a length of 75'. To the right, a solid line represents the 'PROPOSED SURFACE'. Below this, a hatched area indicates a '2" OVERLAY' and a '0.5" COLDMILLING' section.

TRYPIICAL ENTRANCE  
(FIELD, PRIVATE OR COUNTY ROAD)  
\*TAPER AT 1:1 FOR FIELD ENTRANCE



# MODIFIED COLDMILLING FOR PAVEMENT ENTRANCES

DATE PREPARED  
8/29/2023

ROUTE 69	STATE MO
-------------	-------------

DISTRICT KC	SHEET NO. 4
----------------	----------------

COUNTY
CLAY

JOB NO.  
J4S3413

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

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

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

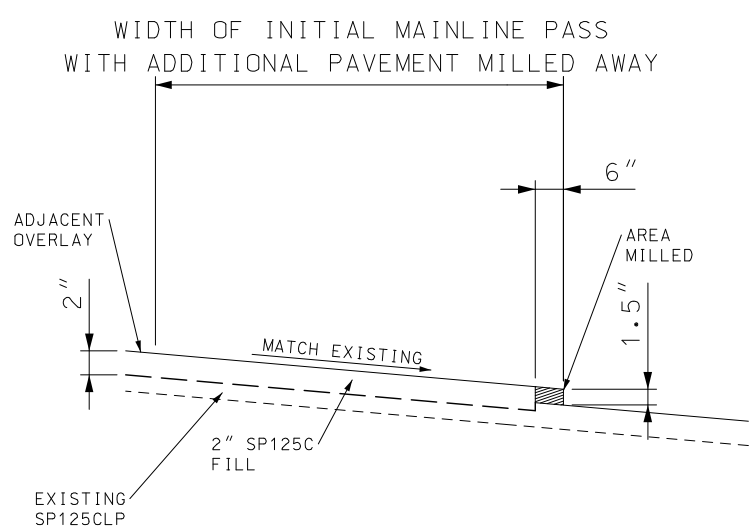
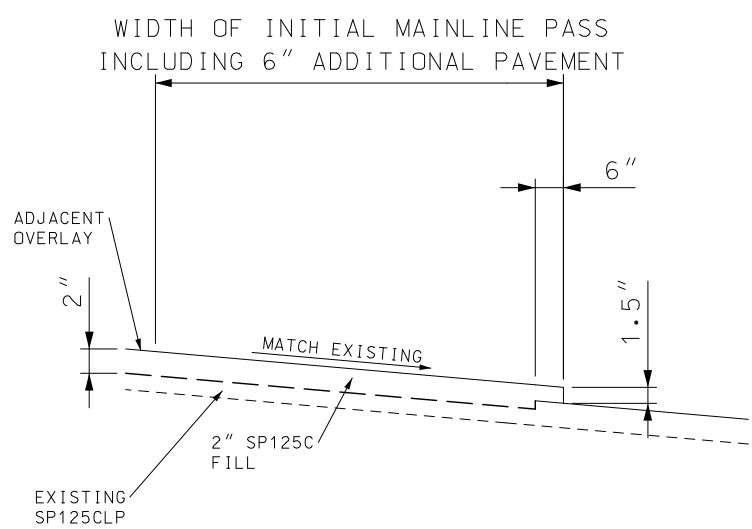
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

THE (A) SERVE TO PRESENT ON THIS SHEET 11 THIS BEING ELECTRONIC SHEET BEING AND DATED



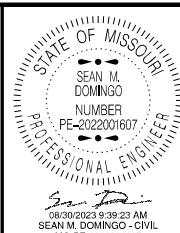


6" OVERMILL DETAILS  
FOR MAINLINE AND SHOULDER SEAMS



SB LOG MILE 93.411 TO LOG MILE 94.272

NOT TO SCALE  
SPECIAL SHEET  
2 OF 2



DATE PREPARED 8/29/2023	
ROUTE 69	STATE MO
DISTRICT KC	SHEET NO. 5
COUNTY CLAY	
JOB NO. J4S3413	
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)

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

# Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
SPEED (P) MPH		
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA-1000 FT, SB-1500 FT, SC-2640 FT **	

\*\*THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.

THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.

THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

(THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE).

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- (2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.

GENERAL NOTES:

- 1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
- 2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- 3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, AND UNCOVERING OR REMOVING SIGNS.
- 4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- 5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE. ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES						
SPEED (P) MPH	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MINIMUM TAPER SHOULDER (T1)	MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT		THROUGH TAPER	THROUGH WORK AREA
0-35	205 FT	225 FT	245 FT	70	35 FT	50 FT
40-45	450 FT	495 FT	540 FT	150	40 FT	100 FT
50-55	550 FT	605 FT	660 FT	185	50 FT	100 FT
60-70	700 FT	770 FT	840 FT	235	60 FT	100 FT

LONGITUDINAL BUFFER SPACE	
SPEED (P) MPH	BUFFER SPACE (FEET)
0-35	250
40-45	360
50-55	495
60-70	730

EPG TABLE 616.29 RECOMMENDED MAXIMUM SPEED REDUCTIONS	
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

TAPER LENGTH (L)

L = W X P FOR 40 MPH OR MORE

L =  $\frac{WP^2}{60}$  FOR 35 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

P = POSTED SPEED PRIOR TO ROAD WORK IN MPH



DATE PREPARED  
8/29/2023

ROUTE 69 STATE MO

DISTRICT KC SHEET NO. 6

COUNTY CLAY

JOB NO. J453413

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)

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

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

(2) SIGN CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

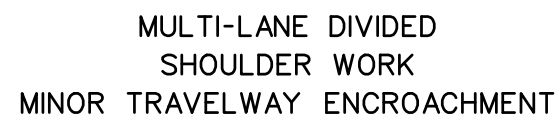
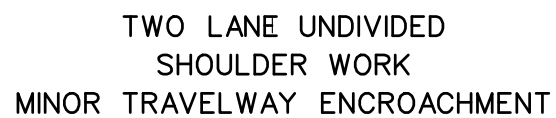
**BRIDGE**  
OR  
**RAMP**

# 2024

WO20-

(60)





SEE TRAFFIC CONTROL SHEET 1 FOR WORKZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE  
LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE- MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

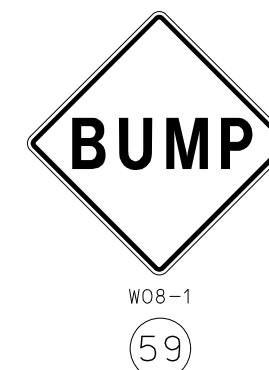
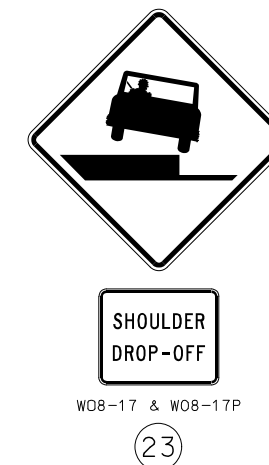
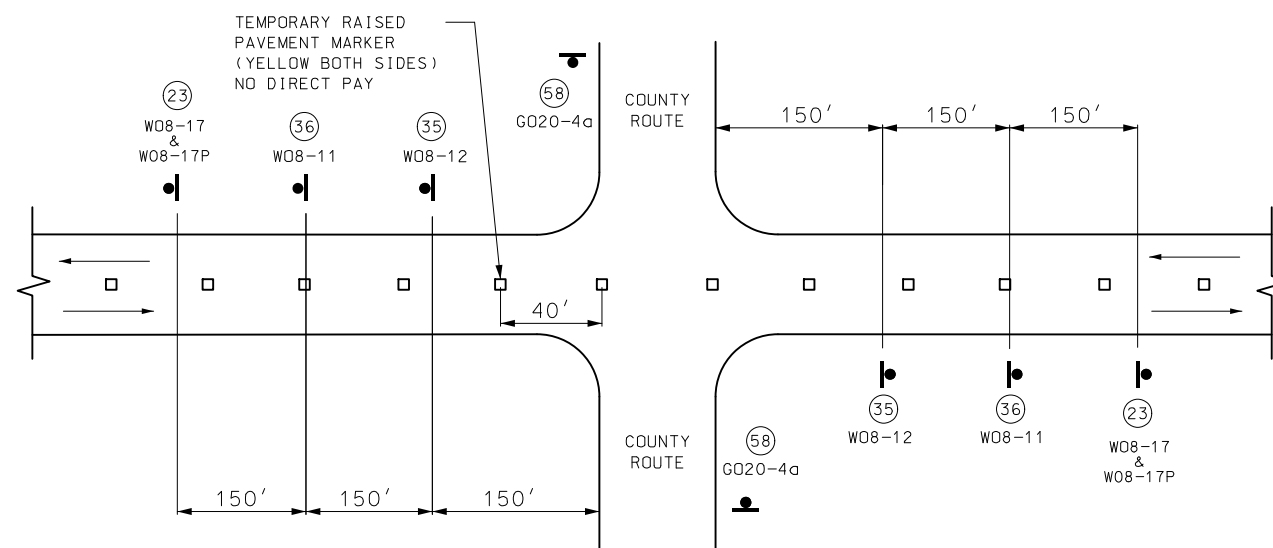
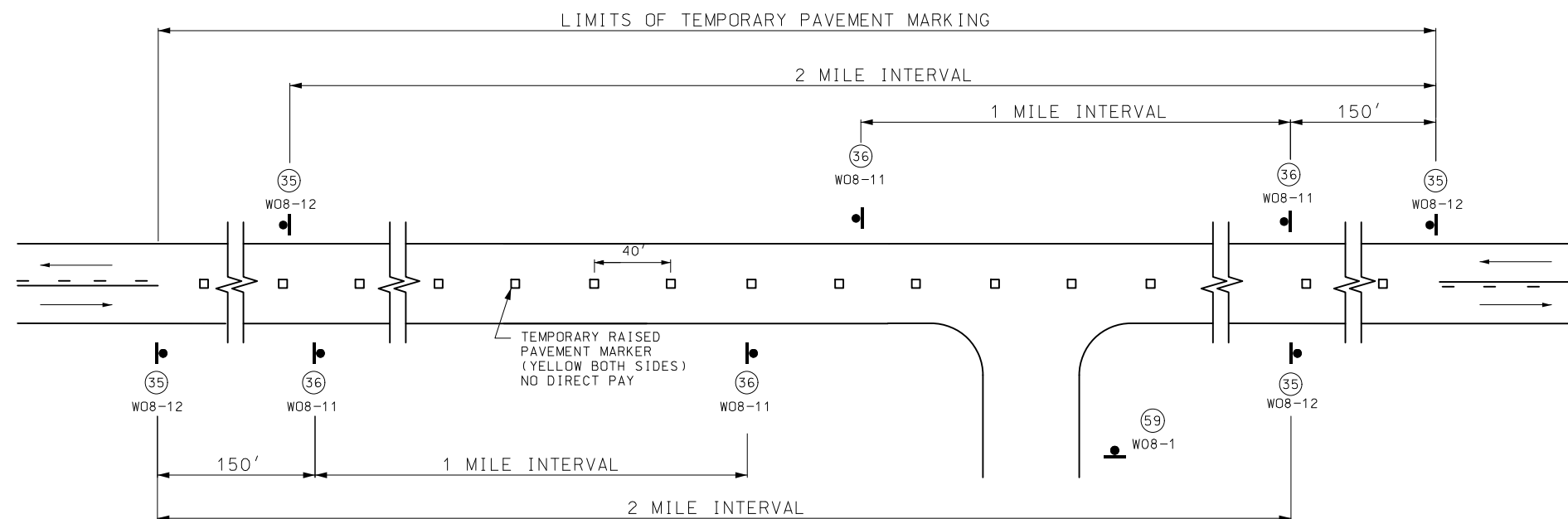
(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

TRAFFIC CONTROL  
SHEET 4 OF 8

[illegible]

THESE RESULTS HAVE BEEN USED TO DEVELOP A NEW METHOD OF ESTIMATING THE EFFECT OF THE VARIOUS FACTORS ON THE GROWTH OF THE FISHES.





NOTES:  
SIGN (35) AND TEMPORARY PAVEMENT MARKING INSTALLED  
WHERE CENTERLINE STRIPING HAS BEEN COVERED OR  
REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE  
PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE.  
SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT  
CENTERLINE MARKING HAS BEEN INSTALLED.

SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH  
STANDARD PLAN 616.10 AND 903.03.

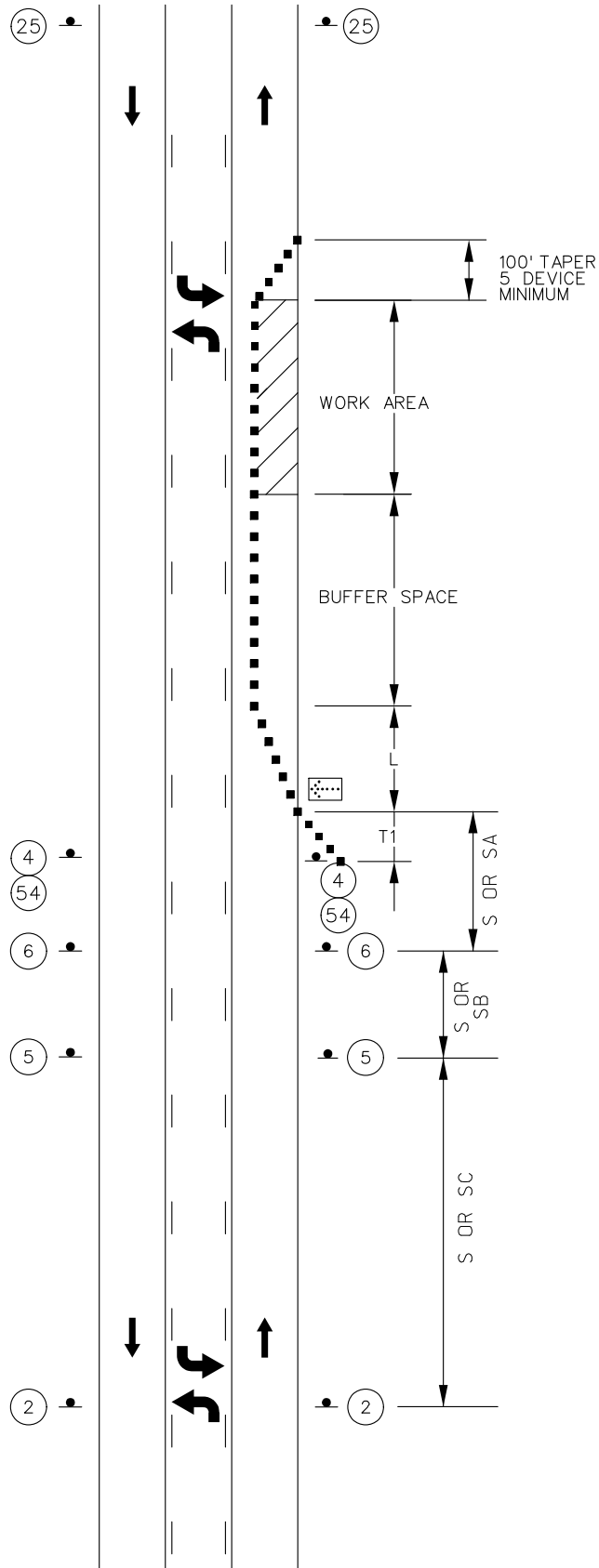
TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED BY THE END OF EACH DAY. (NO DIRECT PAY)

[illegible][illegible]

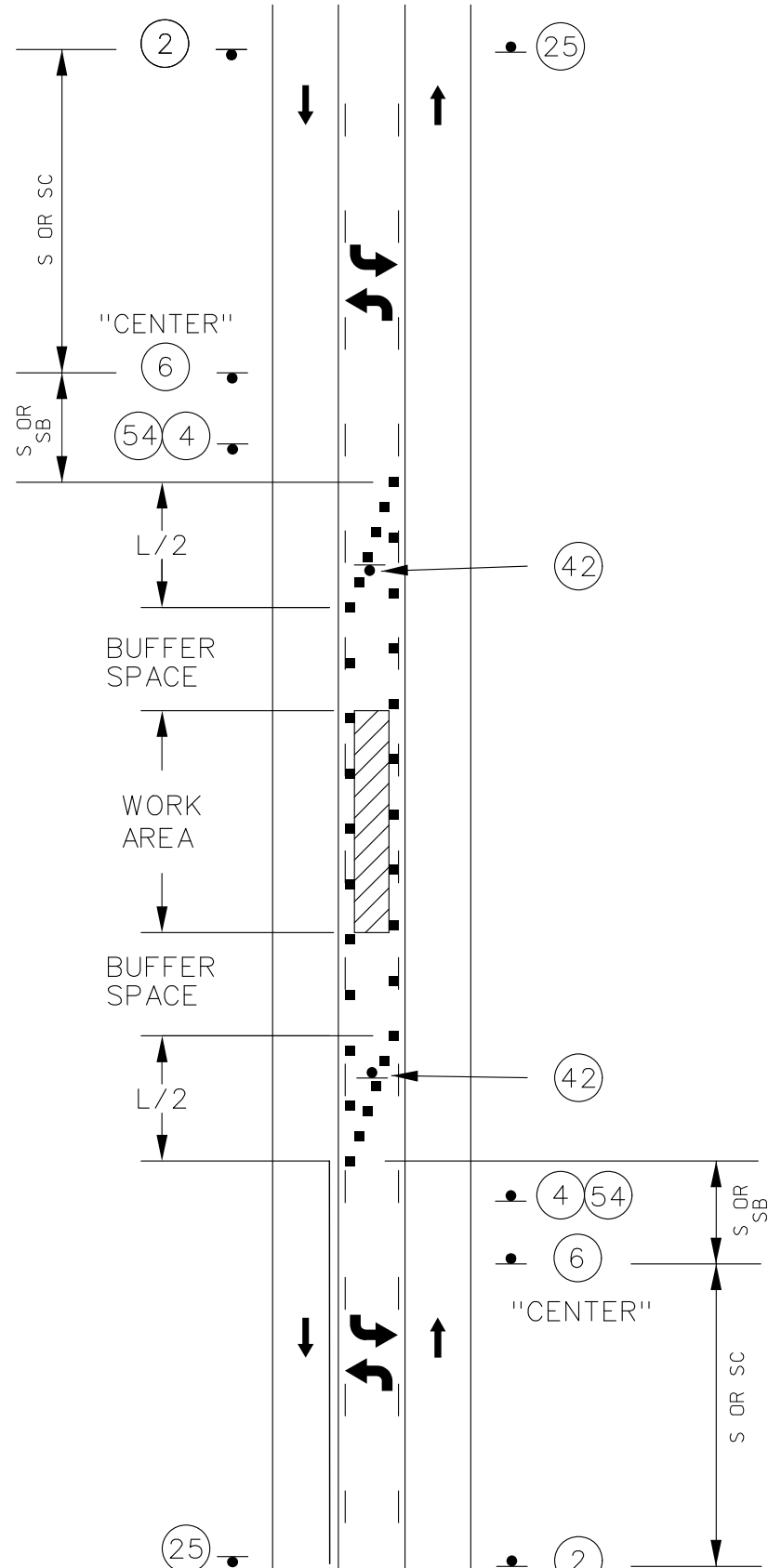
(1) SIGN 53 , "PILOT CAR FOLLOW ME" SHALL BE IN CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.

TRAFFIC CONTROL  
SHEET 5 OF 8

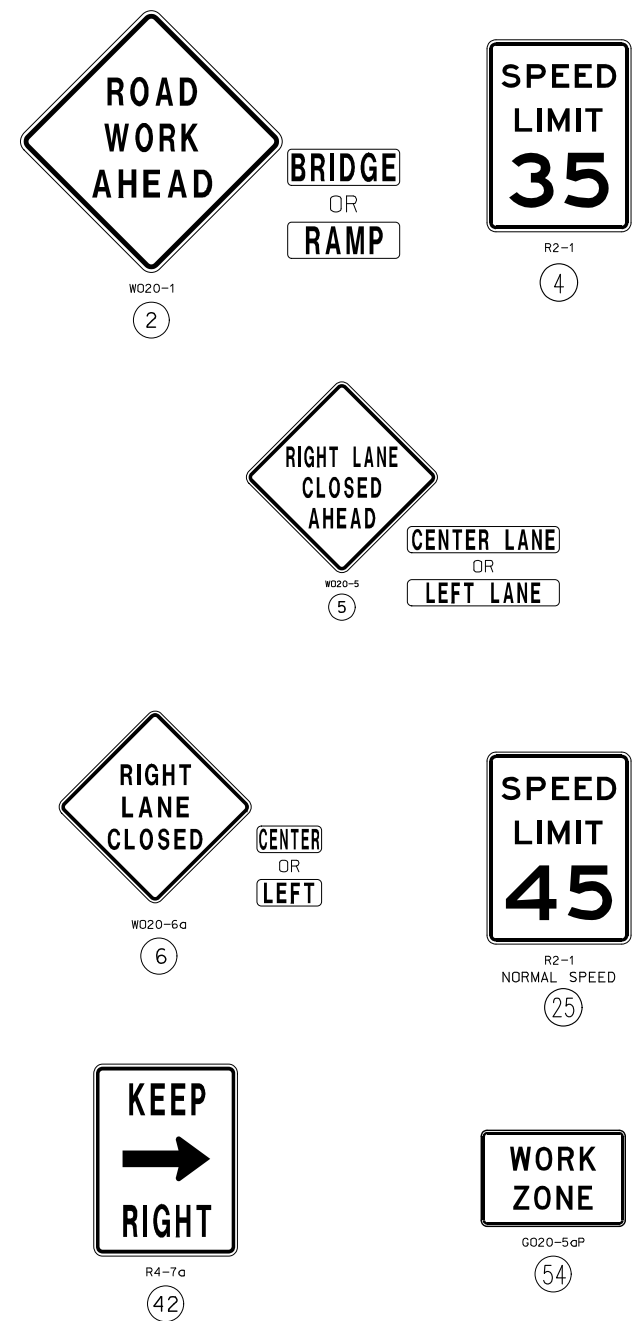




TYPICAL LEFT OR RIGHT LANE CLOSURE  
MULTI-LANE DIVIDED HIGHWAY



CENTER TURN LANE  
LANE CLOSURE



- NOTES:
- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
  - (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
  - (3). SEE SHEET FIGURE 606.0.5, SHEET 2 OF 2, FOR A LANE CLOSURE WITH WIDTH RESTRICTION..
  - (4). REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
  - (5). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.
  - (6). ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

TRAFFIC CONTROL  
SHEET 7 OF 8

STATE OF MISSOURI

SEAN M. DOMINGO

NUMBER

PE-2022001607

PROFESSIONAL ENGINEER

8/30/2023 9:44:05 AM

SEAN M. DOMINGO - CIVIL

MO-PE-2022001607

DATE PREPARED

8/29/2023

ROUTE

69

STATE

MO

DISTRICT

KC

SHEET NO.

12

COUNTY

CLAY

JOB NO.

J4S3413

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE

DESCRIPTION

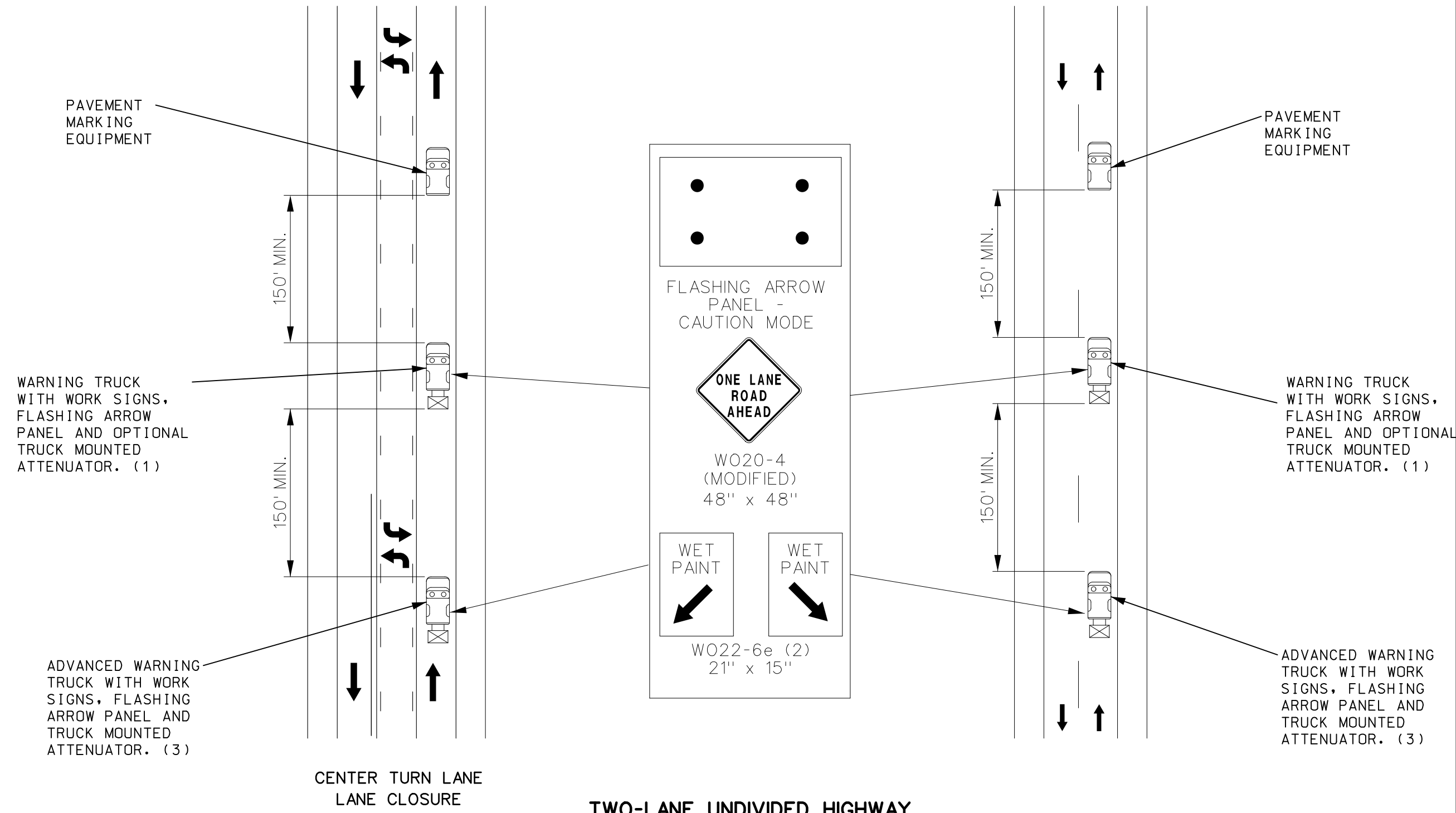
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

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



- NOTES:
- ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.
  - (1). TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.
  - (2). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.
  - (3). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRUCK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER

STATE OF MISSOURI

SEAN M. DOMINGO

NUMBER

PE-2022001607

PROFESSIONAL ENGINEER

DATE PREPARED

8/29/2023

ROUTE

69

DISTRICT

KC

STATE

MO

SHEET NO.

13

COUNTY

CLAY

JOB NO.

J453413

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

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

A.A.D.T. - 2023 = 8,459 (SB), 7,236 (NB)  
A.A.D.T. - 2043 = 10,321 (SB), 8,829 (NB)  
D.H.V. = 12%  
T = 12.10%  
V = 45 M.P.H.  
D = 54% (SB), 46% (NB)

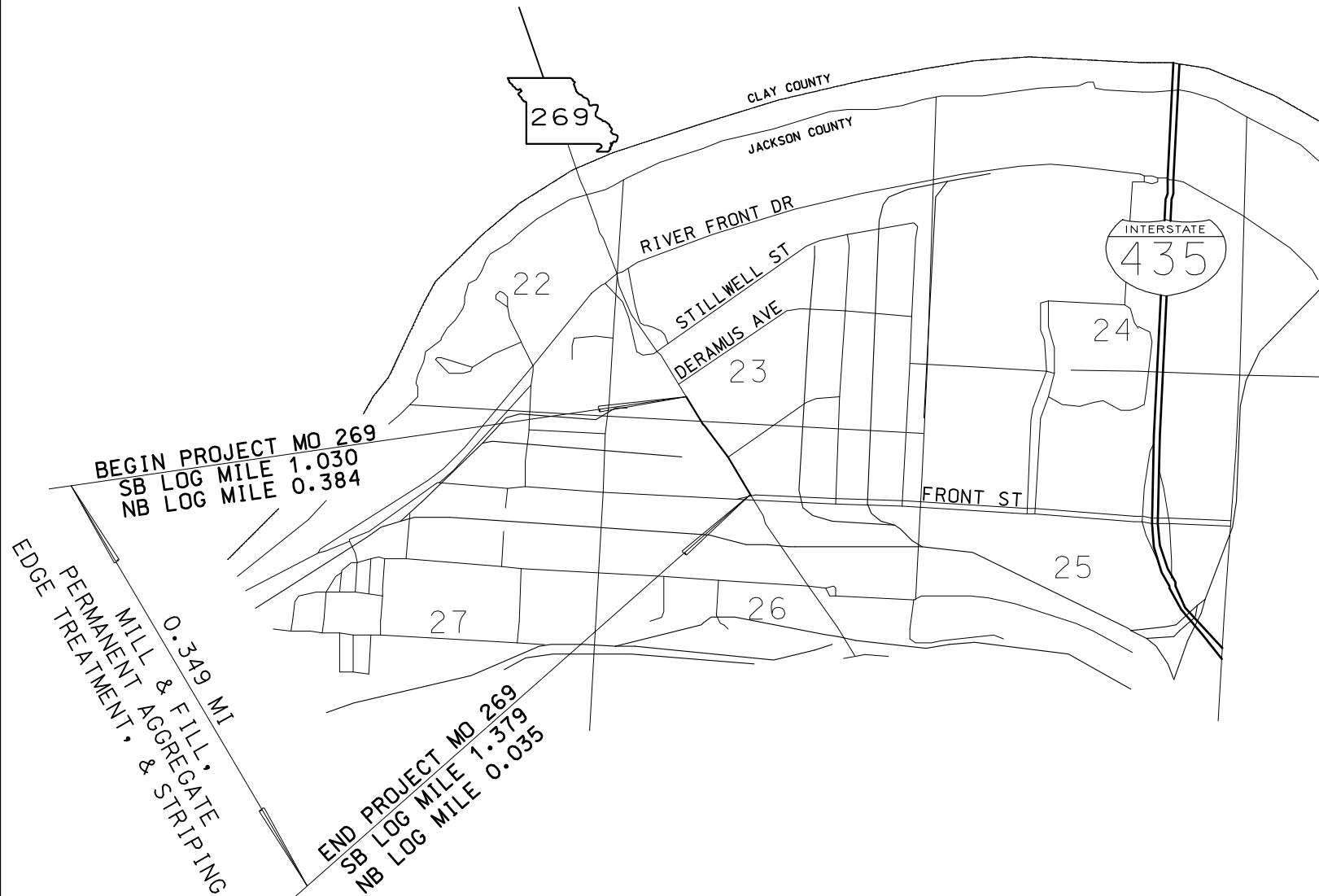
NO NEW RIGHT OF WAY WILL  
BE ACQUIRED FOR THIS PROJECT

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE  
EXISTING FEATURES

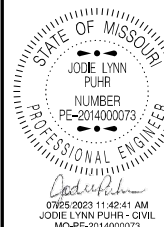
**KEY MAP**  
LOCATION OF JACKSON COUNT

TOWNSHIP 50N, RANGE 33W, SECTION 23/26



NOT TO SCALE

DESCRIPTION	NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (2 SHEETS)-----	3
PLAN SHEETS (PL)-----	4-6
TRAFFIC CONTROL SHEETS (TC) -----	7-13



DATE PREPARED	
7/17/2023	
ROUTE	STATE
269	MO
DISTRICT	SHEET #
KC	1
COUNTY	
JACKSON	
JOB NO.	
J453452	
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)

SOUTHBOUND MO 269	
BEGINNING OF PROJECT	LOG MILE 1.030
END OF PROJECT	LOG MILE 1.379

APPARENT LENGTH 1,842.72 FEET

EQUATIONS AND EXCEPTIONS:

NORTHBOUND MO 269	
BEGINNING OF PROJECT	LOG MILE 0.035
END OF PROJECT	LOG MILE 0.384

APPARENT LENGTH	1,842.72 FEET
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EQUATIONS AND EXCEPTIONS:

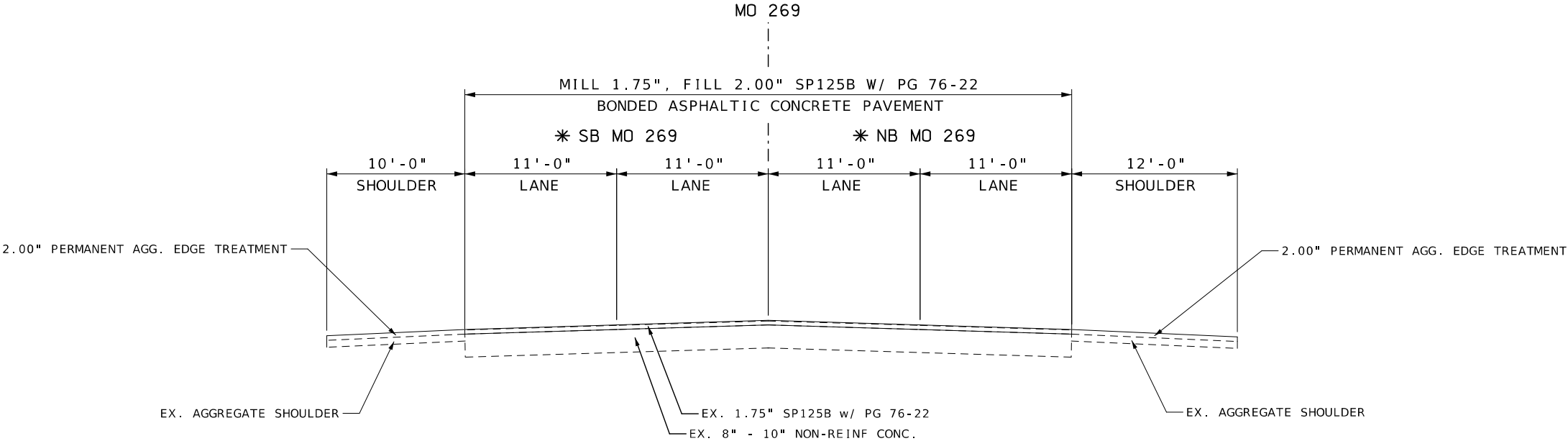
TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	1,842.72	FEET
STATE LENGTH	0.349	MILES

FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES	0.00	ACRES

TITLE SHEET

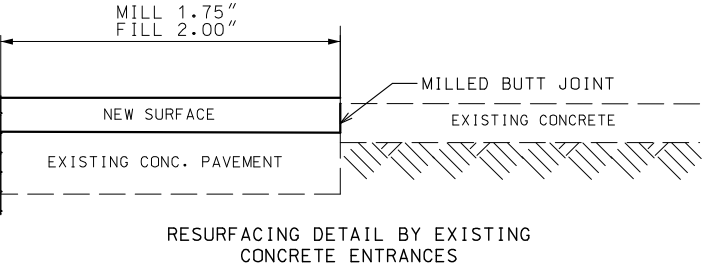
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED:



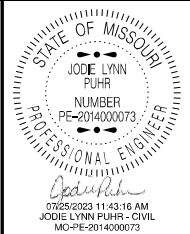


TYPICAL SECTION ON TANGENT  
MO 269  
SB LOG 1.030 TO LOG 1.304  
NB LOG 0.384 TO LOG 0.110

\* MAINLINE WIDTH TRANSITIONS  
(INCLUDES ASPHALT MEDIAN)  
SB LOG 1.304 TO 1.379 (22' TO 44')  
NB LOG 0.110 TO 0.035 (22' TO 30')



FOR INFORMATION PURPOSES ONLY	
SP125B W/ PG76-22	1.993 TON/YD <sup>3</sup>
BONDED ASPHALTIC CONCRETE PAVEMENT	0.20 GAL/YD <sup>2</sup>
PERMANENT AGGREGATE EDGE TREATMENT	1.88 TON/YD <sup>3</sup>



DATE PREPARED 7/17/2023	
ROUTE 269	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY JACKSON	
JOB NO. J4S3452	
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)

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

MAINLINE PAVEMENT - COLDMILLING & ASPHALT											
PLAN SHEET NO.	BEG. LOG	END LOG	ROADWAY	LENGTH	MAINLINE WIDTH	SHOULDER WIDTH	COLDMILLING BIT. PAVEMENT 3" OR LESS	FILL 2.00" SP125B w/ PG 76-22	PERMANENT AGGREGATE EDGE TREATMENT TONS	BONDED ASPHALTIC CONCRETE PAVEMENT GAL.	REMARKS
				FT.	FT.	FT.	S.Y.	TONS			
4	1.030	1.163	SB MO 269	702.24	22	10	1716.59	190.06	81.49	343.32	
4	0.384	0.251	NB MO 269	702.24	22	12	1716.59	190.06	97.79	343.32	
5	1.163	1.304	SB MO 269	744.48	22	10	1819.84	201.50	86.40	363.97	
5	0.251	0.110	NB MO 269	744.48	22	12	1819.84	201.50	103.68	363.97	
5-6	1.304	1.379	SB MO 269	396.00	33	10	1452.00	160.77	45.96	290.40	22' TO 44' MAINLINE WIDTH TRANS.
5-6	0.110	0.035	NB MO 269	396.00	26	12	1144.00	126.67	55.15	228.80	22' TO 30' MAINLINE WIDTH TRANS.
SUBTOTALS							9668.9	1070.6	470.5	1933.8	
SUBTOTALS - SIDE STREETS AND ENTRANCES							345.2	38.2		69.0	
PAY TOTALS							10015	1109	471	2003	

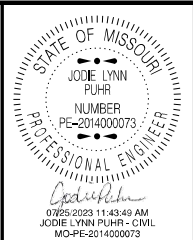
SIDE STREETS & ENTRANCES - COLDMILLING & ASPHALT										
PLAN SHEET NO.	BEG. LOG	END LOG	ROADWAY	LENGTH	WIDTH	COLDMILLING BIT. PAVEMENT 3" OR LESS	FILL 2.00" SP125BSM w/ PG 76-22	BONDED ASPHALTIC CONCRETE PAVEMENT GAL.	REMARKS	
				FT.	FT.	S.Y.	TONS			
4	0.345	0.331	NB MO 269	73.92	VARIES	54.75	6.06	10.95	PARKING LOT ENTRANCE	
5	0.234	0.223	NB MO 269	58.08	VARIES	62.25	6.89	12.45	PARKING LOT ENTRANCE	
5	0.190	0.171	NB MO 269	101.48	VARIES	228.22	25.27	45.64	MUNICIPAL AVE	
SUBTOTALS						345.2	38.2	69.0		
PAY TOTALS						***	***	***		

\*\*\*SEE MAINLINE PAVEMENT - COLDMILLING AND ASPHALT TABLE FOR PAY TOTALS

PERMANENT PAVEMENT MARKING & SYMBOLS (STRIPING)								
PLAN SHEET NO.	BEG. LOG	END LOG	ROADWAY	STANDARD WATERBORNE PAINT (TYPE P BEADS)			PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	REMARKS
				4" SOLID WHITE	4" INTERMITTENT WHITE	4" SOLID YELLOW	LEFT ARROW	
				L.F.	L.F.	L.F.	EACH	
4	1.030	1.163	MO 269	1404.5	351.1	1404.5		
5	1.163	1.328	MO 269	1742.4	435.6	1927.6		
6	1.328	1.379	MO 269	538.6	134.6	1077.1	1	
SUBTOTALS				3685.5	921.3	4409.2	1	
PAY TOTALS				4607		4410	1	

NOTES: LOG MILES ARE BASED UPON SOUTHBOUND MO 269 DIRECTION


MOBILIZATION	
QUANTITY	1 LUMP SUM



DATE PREPARED 7/17/2023	
ROUTE 269	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY JACKSON	
JOB NO. J4S3452	
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)

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

																EFFECTIVE: 04-01-2023							
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	ITEM	TOTAL	DESCRIPTION			
	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.				IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.			NUMBER	QTY				
WARNING SIGNS								DESCRIPTION	GUIDE SIGNS							DESCRIPTION							
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)	E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)			
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)	E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)			
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)	E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)			
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)			
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)	GO20-2	48X24	8.00						END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)			
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)			
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)			
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL			
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	GO20-5aP	36X24	6.00	3	18		54		WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)			
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a	24X18	3.00						END DETOUR	6123000A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)			
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L	48X36	12.00						DETOUR (LEFT ARROW)	6161008		ADVANCED WARNING RAIL SYSTEM			
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R	48X36	12.00						DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)			
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)			
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)			
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR (ARROW RIGHT)	6161025	220	CHANNELIZER (TRIM LINE)			
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS								6161030	2	TYPE III MOVEABLE BARRICADE				
W01-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161033	40	DIRECTION INDICATOR BARRICADE			
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI	6.93						YIELD	6161040	5	FLASHING ARROW PANEL			
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER			
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT			
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	5	60		4/25		SPEED LIMIT XX	6161070		TUBULAR MARKER			
W03-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM			
W03-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN,			
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161096		COMMISSION FURNISHED/RETAINED			
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN W/O COMM.			
W04-1aL	48X48	16.00	3	48			6A	MERGE (ARROW SYMBOL)	R3-7L	30X30	6.25	2	12.5		N/A		LEFT LANE MUST TURN LEFT	6161098A		INTERFACE - CONTRACTOR FURNISHED/RETAINED			
W04-1aR	48X48	16.00	3	48			6A	MERGE (ARROW SYMBOL)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	6161099	4	CHANGEABLE MESSAGE SIGN WITH COMM.			
W05-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS			INTERFACE - CONTRACTOR FURNISHED/RETAINED			
W05-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM			
W05-5	48X48	16.00	2	32			34	NARROW LANES	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS			
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)			TEMPORARY TRAFFIC BARRIER			
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6173600D		CONTRACTOR FURNISHED/RETAINED			
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY			TEMPORARY TRAFFIC BARRIER			
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED			
W08-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION			
W08-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER			
W08-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER			
W08-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6176000B		COMMISSION FURNISHED/RETAINED			
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)									SIDEWALK CLOSED AHEAD,			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION			
W08-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)	R9-11L	24X18	3.00						(ARROW LEFT) CROSS HERE	6177000B		COMMISSION FURNISHED/RETAINED			
W08-6c	48X48	16.00						TRUCK ENTRANCE									SIDEWALK CLOSED AHEAD,	6208064A		TEMPORARY RAISED PAVEMENT MARKER			
W08-7	36X36	9.00						LOOSE GRAVEL	R9-11R	24X18	3.00						(ARROW RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS			
W08-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL	R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING			
W08-9	48X48	16.00						LOW SHOULDER	R11-2	48X30	10.00	1	10		29		ROAD CLOSED						
W08-11	48X48	16.00	2	32			N/A	UNEVEN LANES									ROAD CLOSED XX MILES AHEAD						
W08-12	48X48	16.00	2	32			N/A	NO CENTER LINE	R11-3a	60X30	12.50						LOCAL TRAFFIC ONLY						
W08-15	48X48	16.00						GROOVED PAVEMENT	R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC						
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-3A	60X48	20.00						FINE SIGN						
W08-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)	CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)						
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	MISCELLANEOUS SIGNS														
W10-1	42RND.	9.62						RAILROAD CROSSING	CONST-5	48X36	12.00	2	24			N/A	POINT OF PRESENCE						
W12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	CONST-5	96X48	32.00						POINT OF PRESENCE						
W12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)	CONST-7	48X24	8.00	2	16			N/A	RATE OUR WORK ZONE						
W12-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)	CONST-7	72X36	18.00						RATE OUR WORK ZONE						
W12-2a	84X24	14.00																					

STATE OF MISSOURI

JOE LYNN PUGH

PROFESSIONAL ENGINEER

NUMBER PE-2014000073

07/25/2023 11:44:25 AM

JOE LYNN PUGH - CIVIL

MO-PE-2014000073

DATE PREPARED  
7/17/2023

ROUTE 269  
DISTRICT KC

STATE MO  
SHEET NO. 3

COUNTY JACKSON

JOB NO. J453452

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)

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

STRIPING LEGEND

- 
- 4" INTERMITTENT WHITE
- 
- 
- 4" SOLID WHITE
- 
- 
- 4" DOUBLE SOLID YELLOW

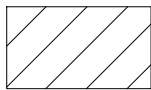
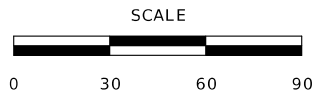
BEGIN MILL/FILL  
NB LOG 0.384  
SB LOG 1.030

4" INTERMITTENT WHITE  
4" SOLID WHITE  
4" DOUBLE SOLID YELLOW  
4" SOLID WHITE  
4" INTERMITTENT WHITE

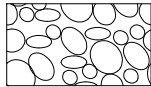
NB MO 269  
SB MO 269

4" INTERMITTENT WHITE  
4" SOLID WHITE  
4" DOUBLE SOLID YELLOW  
4" SOLID WHITE  
4" INTERMITTENT WHITE

MATCHLINE  
NB LOG 0.251  
SB LOG 1.163

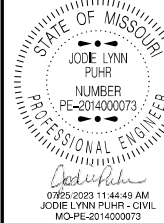


COLDMILL 1.75"  
& FILL 2.00"  
WITH SP125B  
w/ PG 76-22



PERMANENT AGGREGATE  
EDGE TREATMENT

RESURFACING PLAN  
SHEET 1 OF 3



DATE PREPARED  
7/17/2023

ROUTE	STATE
269	MO
DISTRICT	SHEET NO.
KC	4

COUNTY  
JACKSON

JOB NO.  
J4S3452

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

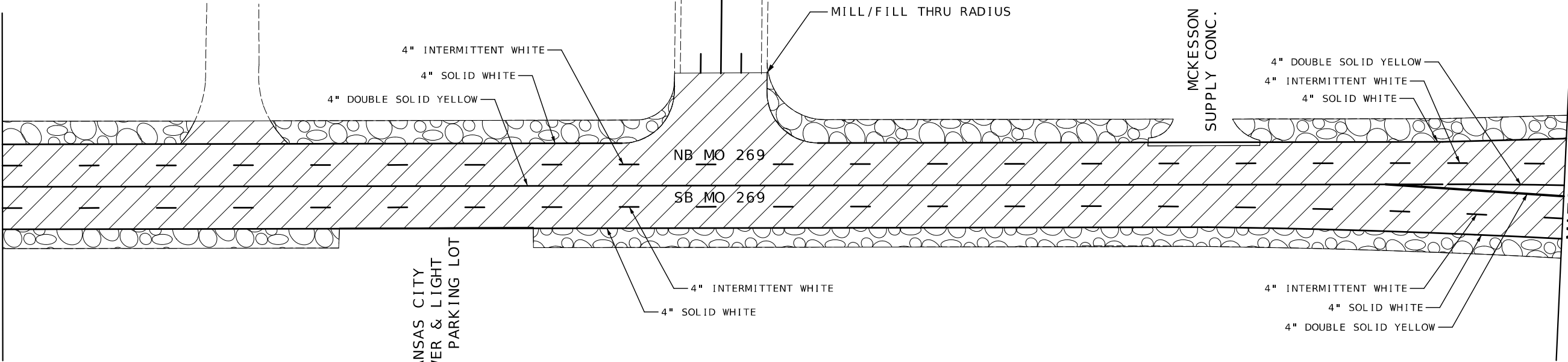
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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

STRIPING LEGEND

- 
- 4" INTERMITTENT WHITE
- 
- 
- 4" SOLID WHITE
- 
- 
- 4" DOUBLE SOLID YELLOW

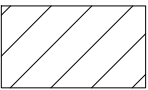
MATCHLINE  
NB LOG 0.251  
SB LOG 1.163



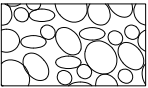
KANSAS CITY  
POWER & LIGHT  
CONC. PARKING LOT

MUNICIPAL  
AVENUE

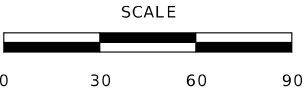
MCKESSON MEDICAL  
SUPPLY CONC. PARKING LOT



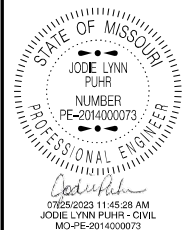
COLDMILL 1.75"  
& FILL 2.00"  
WITH SP125B  
w/ PG 76-22



PERMANENT AGGREGATE  
EDGE TREATMENT



RESURFACING PLAN  
SHEET 2 OF 3



DATE PREPARED 7/17/2023	
ROUTE 269	STATE MO
DISTRICT KC	SHEET NO. 5
COUNTY JACKSON	
JOB NO. J4S3452	
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)

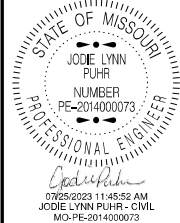
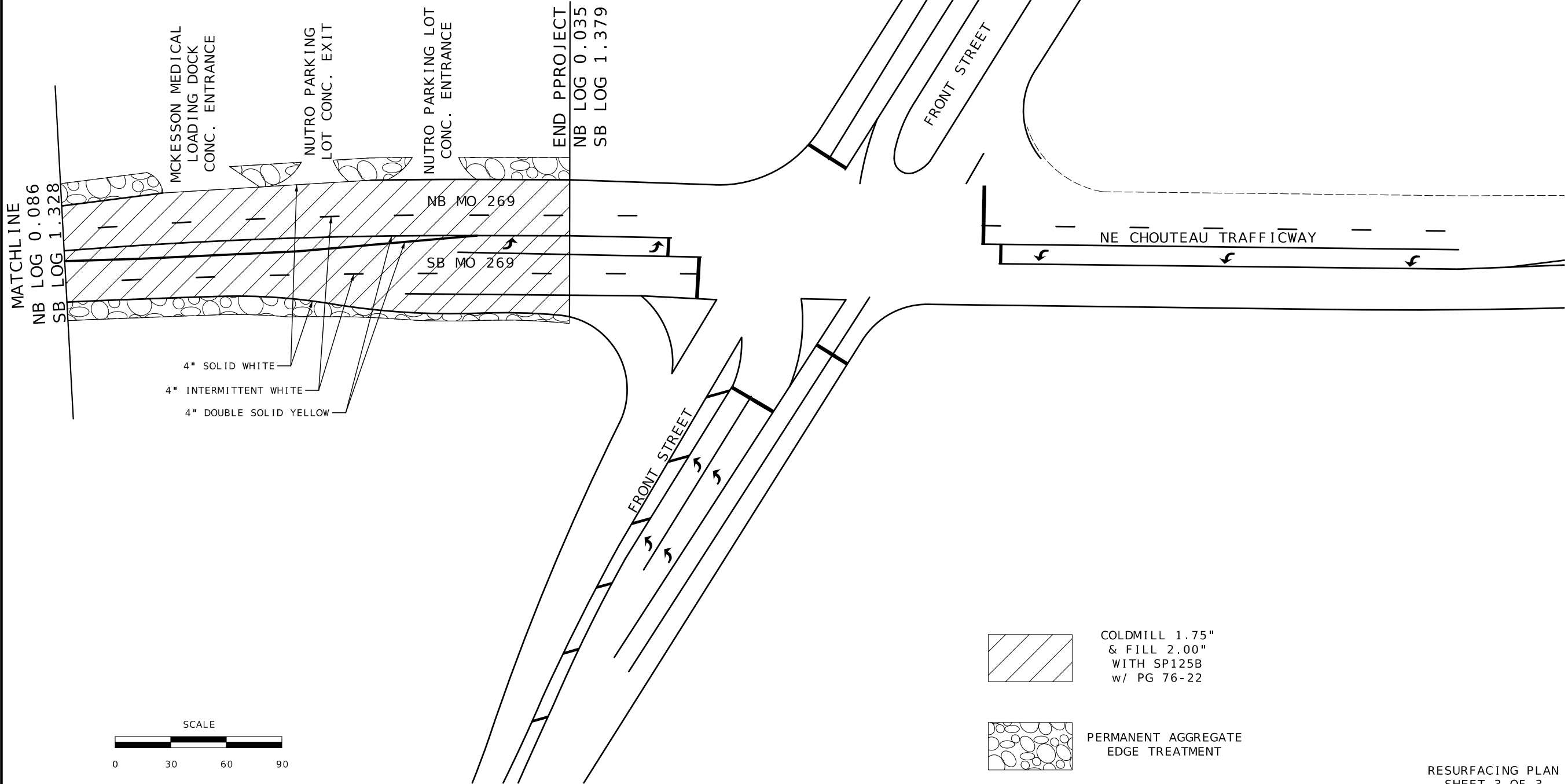
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



STRIPING LEGEND

- 4" INTERMITTENT WHITE
- 4" SOLID WHITE
- 4" DOUBLE SOLID YELLOW

NOTE: ALL PAVEMENT STRIPING AND SYMBOLS BEYOND SB LOG MI. 1.379 SHALL BE USED IN PLACE



DATE PREPARED 7/17/2023	
ROUTE 269	STATE MO
DISTRICT KC	SHEET NO. 6
COUNTY JACKSON	
JOB NO. J4S3452	
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)

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

Traffic Control Legend,  
Sign Spacing, Device Spacing, Channelizing Taper Lengths  
And Recommended Maximum Speed Reductions

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
<40	160'	168'	176'	BARRIER HEIGHT TRANSITION
>40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (L) (3)			MINIMUM SHOULDER TAPER LENGTH (T1) BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.

THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.

THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

(THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE)

DETAILS NOTES:

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

TAPER LENGTH (L)  
L = W X P FOR 40 MPH OR MORE  
L =  $\frac{WP^2}{60}$  FOR 35 MPH OR LESS  
L = TAPER LENGTH IN FEET  
W = LATERAL SHIFT IN FEET  
P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

TRAFFIC CONTROL LEGEND

SIGN (SINGLE SIDED)

FLAGGER

CHANNELIZER

PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT.

FLASHING ARROW PANEL

CHANGEABLE MESSAGE BOARD

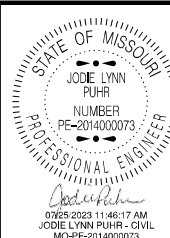
BARRICADE

LEGEND NOTE:  
THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

- GENERAL NOTES:
1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ON MINOR ROUTES ONLY.
5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

EPG TABLE 616.12 RECOMMENDED MAXIMUM SPEED REDUCTIONS	
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

SPACING  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 1 OF 7



DATE PREPARED  
7/17/2023

ROUTE  
269

STATE  
MO

DISTRICT  
KC

SHEET NO.  
7

COUNTY  
JACKSON

JOB NO.  
J4S3452

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)

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

WORK ZONE  
NO PHONE  
ZONE

SPECIAL



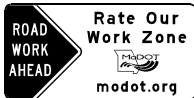
CONST-7-48 (2)



CONST-5-96 (3)

WORK ZONE  
NO PHONE  
ZONE

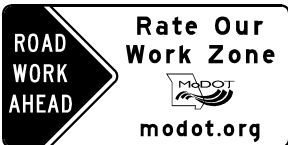
SPECIAL



CONST-7-48 (2)

WORK ZONE  
NO PHONE  
ZONE

SPECIAL



CONST-7-72 (2)

END  
ROAD WORK

G020-2

(26)

BEGIN/END  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 2 OF 7

NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

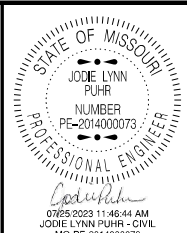
(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-48 OR CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.

(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.



DATE PREPARED 7/17/2023	
ROUTE 269	STATE MO
DISTRICT KC	SHEET NO. 8
COUNTY JACKSON	
JOB NO. J4S3452	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

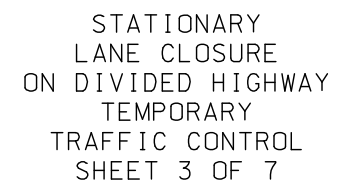
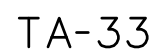
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

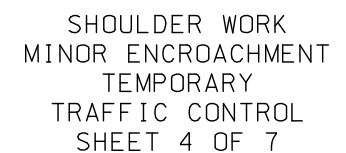
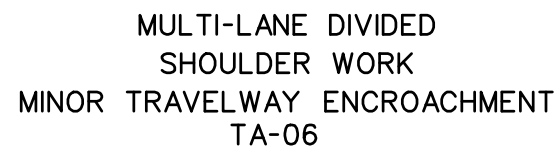
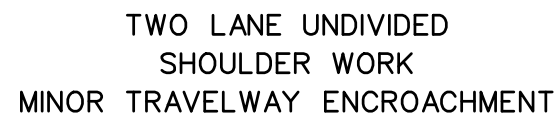


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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

[illegible]

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



SEE TRAFFIC CONTROL SHEET 1 FOR WORKZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.



THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE- MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

<div>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</div> <div><div>105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)</div></div>	<div><div>DATE PREPARED <b>7/17/2023</b></div><div><div>ROUTE <b>269</b></div><div>DISTRICT <b>KC</b></div></div><div><div>STATE <b>MO</b></div><div>SHEET NO. <b>10</b></div></div><div>COUNTY <b>JACKSON</b></div><div>JOB NO. <b>J4S3452</b></div><div>CONTRACT ID.</div><div>PROJECT NO.</div><div>BRIDGE NO.</div><div><table><thead><tr><th>DATE</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table></div></div>	DATE	DESCRIPTION																											IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.
	DATE	DESCRIPTION																												





- ROAD CLOSED  
R11-2  
(29)

RIGHT LANE CLOSED  
W020-6a  
(6)  
CENTER  
OR  
LEFT

ROAD WORK AHEAD  
W020-1  
(2)  
BRIDGE  
OR  
RAMP

RIGHT LANE CLOSED AHEAD  
W020-5  
(5)  
CENTER LANE  
OR  
LEFT LANE

MERGE  
W04-1a  
(6A)

FLASHING ARROW PANEL  
G020-5aP  
(54)

WORK ZONE  
(54)

SPEED LIMIT 35  
R2-1  
(4)

SPEED LIMIT 45  
R2-1  
NORMAL SPEED  
(25)

CHANNELIZERS

CHANNELIZERS

MOVEABLE BARRICADE

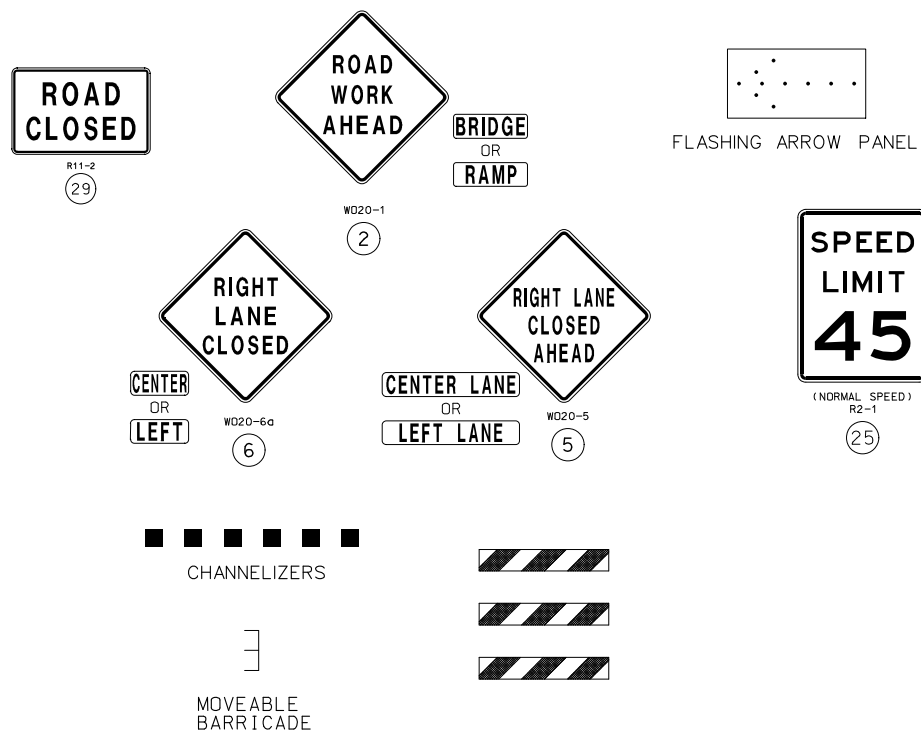
RIGHT LANE CLOSURE AT INTERSECTION  
WORK ON FAR SIDE ONLY  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 5 OF 7

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



NOTE:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (3). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- (4). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.
- (5). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (6). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (7). FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.
- (8). "LEFT LANE CLOSED AHEAD" SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (9). THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOW THIS PLACEMENT.
- (10). IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.
- (11). SIGN MAY ALSO BE PLACED IN THE MEDIAN OF THE ROADWAY IF THERE IS SUFFICIENT ROOM BETWEEN EASTBOUND AND WESTBOUND LANES.
- (12). "ROAD CLOSED" SIGN MAY BE PLACED 7-10 FEET BEHIND THE BARRICADES AND AT A SIGN HEIGHT APPROPRIATE TO THE TYPE OF ROADWAY. ONE BARRICADE SHOULD BE REQUIRED TO COMPLETELY CLOSE EACH 8-FEET OF PAVEMENT. PAVED SHOULDERS SHALL BE INCLUDED IN THE AREA TO BE CLOSED.

[illegible]

STATE OF MISSOURI

JOE LYNN FUHR

NUMBER

PE-2014000073

PROFESSIONAL ENGINEER

07/25/2023 11:48:59 AM

JOE LYNN FUHR - CIVIL

MO-PE-2014000073

DATE PREPARED

7/17/2023

ROUTE

269

STATE

MO

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SHEET NO.

13

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JACKSON

JOB NO.

J4S3452

CONTRACT ID.

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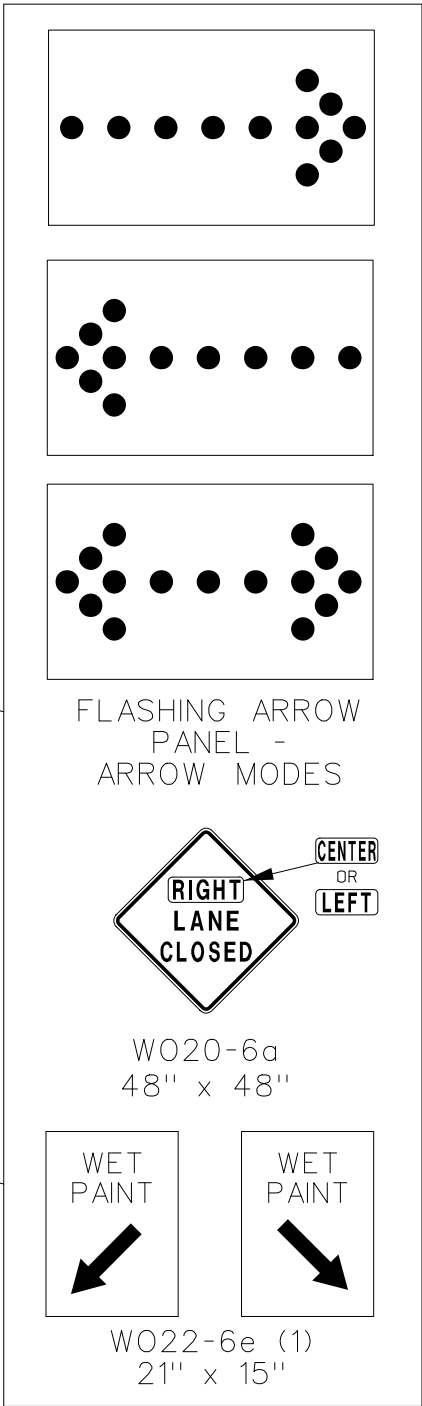
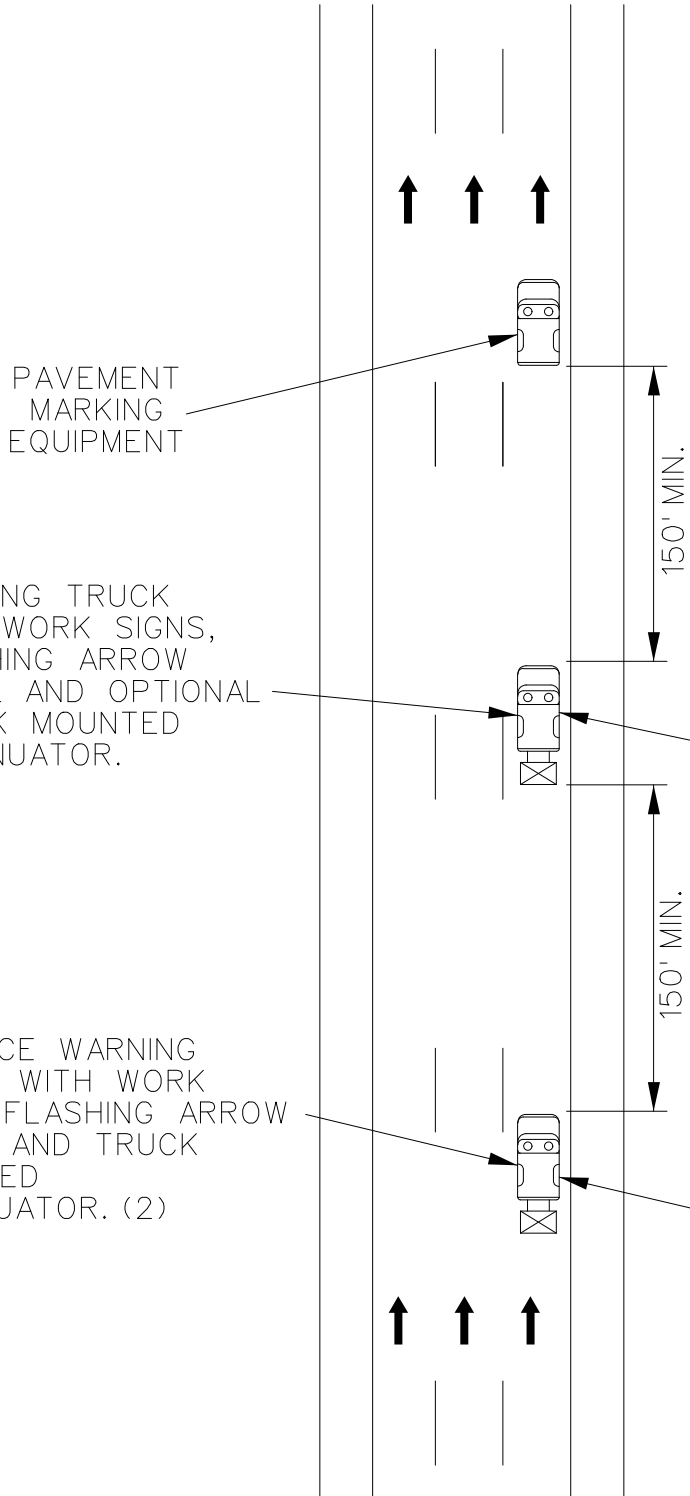
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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



NOTES:

- ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.
- UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.
- PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- (1). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.
- (2). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.
- FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
- A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE LANE IS CLOSED A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

MOVING OPERATION ON HIGHWAY  
OPEN TO TRAFFIC  
MULTI-LANE DIVIDED HIGHWAY  
TA-35A

CENTERLINE AND/OR  
LANE LINE STRIPING  
ON MULTI-LANE  
UNDIVIDED HIGHWAYS  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 7 OF 7