DESIGN DESIGNATION

A.A.D.T. - 2023 = 11.100A.A.D.T. - 2043 = 14,700D.H.V. = 7% V = 40 M.P.H. D = 51%

FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

NO R/W TO BE ACQUIRED FOR THIS PROJECT

CONVENTIONAL SYMBOLS

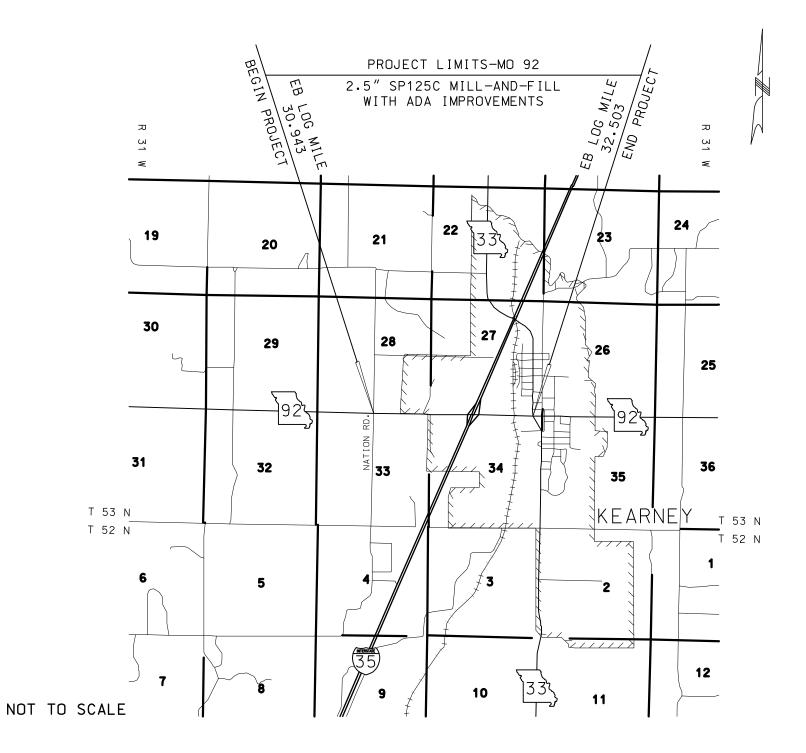
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER	EXISTING DESTRUCTION OCCUPANT OCC	NEW
UTILITIES FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- F O OTV UTV OT UT OE UE SS SS G W - SAN	-F0-0TV-UTV-0T-0ESSSSSSSSSSSSSS-
MANHOLE	HYD)
FIRE HYDRANT	wv	Ì
WATER VALVE	ww.	€
WATER METER)
DROP INLET		
DITCH BLOCK	-≡ SIGN	=
GROUND MOUNTED SIGN	_	-
LIGHT POLE		
H-FRAME POWER POLE	PED	
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	V X X	· '
BENCHMARK	⊗)

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

CLAY COUNTY



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 OF 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) (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

	ATE OF	MISSOURIE WEST
S PR	CHRIST ALAN NUM PE-201	OPHER WEST IBER 4017034
	NUN PE-201 SS/ON 02/21/2023	L ENGINEER
CHRIS	MO-PE-20	114017034
:	D	REPARED 2023
	_{UTE} 2	STATE MO
	C	SHEET NO.
	CL	NTY AY
	J4P3	NO. 3420
	CONTRA	CT ID.
	PROJE	CT NO.
	BRIDO	E NO.

LENGTH OF PROJECT

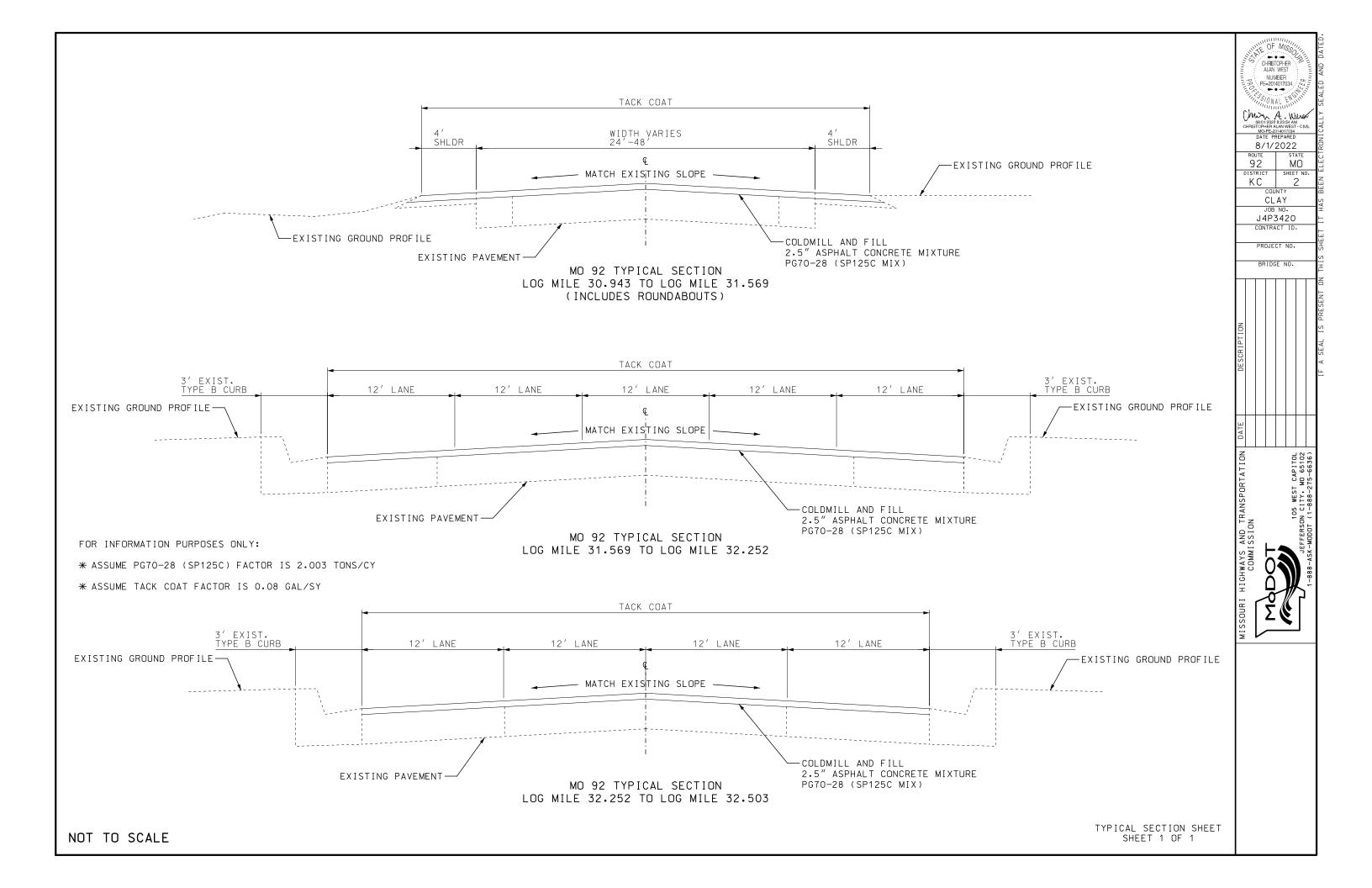
BEGINNING OF PROJECT LOG MILE 30.943 END OF PROJECT LOG MILE 32.503 8236.80 FEET APPARENT LENGTH

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

O ACRES



					ENTRA	NCE QUANT	ITIES		
ENTRANCE	SHEET	LOG	LOCATION	FRONT	BACK	LENGTH	COLDMILLING BIT.	ASPHALTIC CONCRETE	TACK
NO.	NO.	MILE		WIDTH	WIDTH		PVMT FOR REMOVAL	MIXTURE PG70-28	COAT**
							OF SURFACING	(SP125C MIX) ≭	
							(3" OR LESS)		
				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

				DAVEME	NT QUANTITIES			
LOG	LOG	LENGTH	WIDTH	SHOULDER	COLDMILLING BIT.	ASPHALTIC CONCRETE	TACK	COMMENTS
MILE	MILE			WIDTH	PVMT FOR REMOVAL	MIXTURE PG70-28	COAT**	
					OF SURFACING	(SP125C MIX) ≭		
					(3" OR LESS)			
					(5 01 6635)			
		FT	FT	FT	SY	TON	GAL	
30,943	31.104	850.08			4884.7	679.45	390.8	ROUNDABOUT
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	ROUNDABOUT
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	5	
LOG MILE	LOCATION	INTERSECTION	ACCESSIBLE	PULL BOX
			PEDESTRIAN	CONCRETE
			SIGNALS	DOUBLE
			(PUSHBUTTONS)	TYPE B
			EA	EΑ
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

	•		PEDEST	RIAN QUAI	NTITIES		
LOG	LOG	LOCATION	CONCRETE	TRUNCATED	3" CONCRETE	CONCRETE	SIDEWALK
MILE	MILE		CURB RAMP	DOMES	MEDIAN STRIP	SIDEWALK (4")	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	

REMOV	AL OF	IMPROVEMENTS QUANTITIES
LOG	LOG	ITEM AND
MILE	MILE	QUANTITY
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

MOBILIZATION
ONE LUMP SUM

SHWAYS AND TRANSPORTATION [DATE	DESCRIPTION						_	(HHIIIIIII.	14.
COMMISSION						K	ROI 9	2	//M HBIS	PROXIL	SILIN S
			BR	CON		С	JTE 2 RIC		02/21	PE	TE ZE
_ ⊢ 0			IDO	TRA	CL JOB	COL		EΡ		NUN -201	OF.
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105 WEST CAPITOL			10.	ΙD	<u>. </u>	HEE	st V	RED	CNIVI VIVI 47 PA		ری
JEFFERSON CITY, MO 65102				•		т NI 3	ATE O	3	LAG	1,VEER	
888-ASK-MODOT (1-888-275-6636)						٠,			<u>/</u>	WHITHIN	

							PAVEMENT MARKING QU	ANTITIES					
LOCATION	LOG MILE	LOG MILE	LENGTH	6" WHITE HIGH BUILD WATERBORNE PVMT MARKING PAINT TYPE L BEADS	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	THERMOPLASTIC PVMT MARKING 30" WHITE MIDBLOCK			PVMT MARKING STRAIGHT ARROW	PREFORMED THERMOPLASTIC PMVT MARKING R/R CROSSING MARKING	PREFORMED THERMOPLASTIC PVMT MARKING COMBINATIO STRAIGHT/LEFT/RIGHT
				LF	LF	LF	EA	EA	EA	LF	EA	EA	EA
MO 92 MO 92	30.943 30.961		95.04 100.32	190.08 200.64		190.08 437.28							
MO 92	30.980		100.32	1849.78		2222.91	18						
MO 92	31.067		100.32	200.64		431.28	10						
MO 92	31.086		1452	2904.00		2904.00							
MO 92	31.361		105.6	237.60		211.20							
MO 92	31.381		58.08	145.20		116.16							
MO 92	31.392		121.44	303.60		525.76							
MO 92 MO 92	31.415 31.564		269.28	673.20		2186.56 1253.22	21	29					
MO 92	31.615		95.04	237.60		1233.22							
MD 92	31.633		47.52	166.32		95.04			1				
MO 92	31.642		100.32	250.80		200.64							
MO 92		31.699	200.64	852.72		401.28			2				
MO 92	31.700									38			
MO 92	31.702							11					
MO 92 MO 92	31.733 31.735							11		39			
MO 92	31.735	31.768	174.24	740.52		348.48		+	1	33			
MO 92	31.768		26.4	112.20		105.60			1				
MO 92	31.773	31.812	205.92	514.80		411.84							
MO 92	31.812	31.824	63.36	221.76		126.72			1				
MO 92	31.824		47.52	118.80		95.04							
MO 92	31.833		47.52	213.84		95.04			2				
MO 92 MO 92	31.842 31.853		58.08 163.68	363.00 859.32		116.16 327.36			1 1				
MO 92	31.885	J1+004	103.00	033.32		321+30			1	32			
MO 92	31.889	31.903	73.92	18.48				<u> </u>		32			
MO 92	31.903									29			
MO 92	31.904		36.96	249.00									
MO 92	31.911		126.72	1013.76		253.44			3	21			
MO 92	31.935		31.68	221.76		63.36							
MO 92	31.941		121.44	850.08		485.76			4	20	2		
MO 92	31.964		15.84	102.96						21			
MO 92 MO 92	31.967 31.972		26.4 63.36	106.29 112.72						ь			
MO 92	31.984		15.84	31.68		31.68				23			
MO 92	31.987		110.88	662.12		221.76				11			
MO 92	32.008	32.019	58.08	266.84		232.32							
MO 92	32.019		10.56	55.44		42.24			1				
MO 92	32.021		89.76	403.92		359.04							
MO 92	32.038		21.12	68.64		84.48							
MO 92 MO 92	32.042 32.052		52.8 36.96	66.00 184.80		36.96							
MO 92	32.059		42.24	21.12		84.48							
MO 92	32.067		36.96	55.44		36.96							
MO 92	32.074	32.080	31.68	47.52									
MO 92	32.080		52.8	79.20		105.60			1				
MO 92	32.090		79.2	118.80					1				
MO 92	32.105		26.4	39.60		52.80							
MO 92 MO 92	32.110 32.125		79.2 21.12	39.60 31.68		158.40 42.24			1				
MO 92	32.129		79.2	198.00		158.40		+	1				
MO 92	32.144		79.2	118.80		158.40			1				
MO 92	32.159	32.178	100.32	250.80		200.64			2	11			
MO 92	32.178	32.187	47.52	118.80						39			
MO 92	32.191							13					
MO 92 MO 92	32.195	32 200	10.56	32.97 21.12						11			
MO 92	32.207		10.56	415.80		369.60			1	11 36		2	
MD 92		32.255	58.08	290.40		116.16			'	24		-	
MO 92		32.299		464.64		959.28				23			
MO 92	32.303	32,337	179.52	44.88		740.08				23			
MO 92	32.337		26.4	33.00		52.80			1				
MO 92		32,351	47.52	11.88		504.00							
MO 92	32.351	32.375	126.72 121.44	31.68 30.36		584.88 303.60			2	22		1	
MO 92 MO 92	32.375		121.44	30.36		303.60						'	
MO 92	32.421		52.8	13.20		105.60							
MO 92	32.431	32.463	168.96	337.92		337.92			4	22			
MO 92	32.463	32.466	15.84	15.84						14			
MO 92	32.467							9					
MO 92	32.484	70 F^7	05.04	05.04		100.00		7	1	70			
MO 92 ERVILLE AVE NB	32.485	0.204	95.04 58.08	95.04		190.08 116.16			1	32 35			
ERVILLE AVE NB		0.204	30.00			110+10		18		, ,,			
COUNTRY AVE N	0.680	0.682	10.56	21.12		21.12		10		11			
OUNTRY AVE N	0.682		26.4	52.80						42			
OUNTRY AVE N	0.689							21					
LLY/BK ENTRANCE				37.52					2	21			
HANKS AVE S	0.181		126.72	438.02					2				
	1 0.003	0.097	496.32	579.82		496.32							<u> </u>
35 SB ON-RAMP								8	İ.	i .	i .		
35 SB ON-RAMP 35 SB ON-RAMP 35 SB ON-RAMP	0.006							6					

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

SUMMARY OF QUANTITIES SHEET 2 OF 4

SHWAYS AND TRANSPORTATION	DATE	DESCRIPTION			D	· (THITITITITI
COMMISSION					9 IST K	POI	PROKING.
				J 4 CON	2 RIC	DAT	PE
L			RIDO	CL JOB 1P: ITRA	T	/2023 HER A -PE-21 E Pl	HRIST ALAN NUN -201
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105 WEST CAPITOL				20 ID	HEE	02	SS ER ST
JEFFERSON CITY, MD 65102				•	10 T NI 3	- CIV	TINEER WITH
888-ASK-MODOT (1-888-275-6636)					٥,	'IL	THURINITY TO

						PΔ	VEMENT MARKING QUANT	ITIES					
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	THERMOPLASTIC PVMT MARKING	PREFORMED THERMOPLASTIC PVMT MARKING LEFT/RIGHT ARROW	PREFORMED THERMOPLASTIC PVMT MARKING 24" WHITE	PREFORMED THERMOPLASTIC PVMT MARKING STRAIGHT ARROW	PREFORMED THERMOPLASTIC PMVT 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		68.64	205.92		68.64							
I-35 NB OFF-RAMP		0.142	528.00	934.26		528.00			4				2
I-35 NB OFF-RAMP		0.157	47.52	237.60		47.52		·		53			
I-35 NB OFF-RAMP	0.156							13					
I-35 NB ON-RAMP	0.009		31.68	224.07		31.68			1				
I-35 NB ON-RAMP		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		5.313	36.96	110.88		73.92				11			
MO 33 N		5.315	10.56	31.68						11			
MO 33 N	5.316							3					
MO 33 N	5.318							12					
MO 33 N		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		5.344	36.96	110.88		73.92				11			
MO 33 N	5.344	5.347	15.84	31.68		31.68							
		L	SUBTOTALS	4024.04	72.48	2308.80	0	49	9	142	0	0	3
		Г	SHEET 1 SUBTOTALS	19888.6	0.0	20307.8	39	133	38	606	2	.3	0
			SHEET 2 SUBTOTALS		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

				PART	IAL DEPTH PA	AVMENT REPAIR	
LOCATION	LOG	LANE	LENGTH	WIDTH	REMOVAL FOR	FURNISHING AND PLACING	COMMENTS
	MILE				CLASS C	BIT, MATERIAL FOR CLASS C	
					PARTIAL DEPTH	PARTIAL DEPTH	
					PVMT REPAIR	PVMT REPAIR*	
					FVMI NEFAIN	FYMI KEFAIK*	
			 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	AODOGO TUDU LANG ASSESS
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 MO 92 EB	32.263	1	2	12 12	2.67	0.67	
MO AS ER	1 32.470	2		PAY TOTALS	2.67	0.67 26.2	

* ASSUME FACTOR OF 2.003 TONS/CY

CHRISTOPHER ALAN WEST - CIVIL MO-PE-2014017034

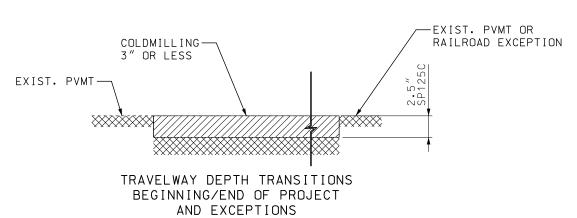
DATE PREPARED

2/21/2023 CLAY JOB NO.
J4P3420
CONTRACT ID. PROJECT NO. BRIDGE NO.

SUMMARY OF QUANTITIES SHEET 3 OF 4

TOTAL QTY TOTAL:	SIGN	II I I QTY ITOTA	SIGN	EFFECTIVE: 04-01-2021	WILL OF W
SIZE AREA QTY AREA RELOCRELOC		SIZE AREA QTY TOTAL RELOCKELO			CHRISTOP
	NOIM.			I TEM TOTAL	≟ : ALAN WE
GN IN SQ.FT EACH SQ.FT EACH SQ.FT	DECORIDATION		·I DECORIDETION	I TEM TOTAL	三号、PE-201401
WARNING SIGNS	DESCRIPTION	GUIDE SIGNS	DESCRIPTION	NUMBER OTY DESCRIPTION	1 1/2 × -•-
1-1L 48X48 16.00	TURN (SYMBOL LEFT ARROW) TURN (SYMBOL RIGHT ARROW)	E05-1 36X48 12.00 E05-2 48X36 12.00	GORE EXIT EXIT OPEN	6122008 IMPACT ATTENUATOR 40 MPH (SAND BARRELS) 6122009 IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	1777, SONAL
1-2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a 48X36 12.00	EXIT CLOSED	6122010 IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	my A
1-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	G020-1 60X24 10.00	ROAD WORK NEXT XX MILES	6122012 IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	02/21/2023 2:4 CHRISTOPHER ALAN MO-PE-20140
1-3L 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)	DATE PREF
1-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	GD20-4 36X18 4.50 1 4.5	PILOT CAR FOLLOW ME	6122017 IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	2/21/2
11-4L 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		ROUTE 92
01-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-4a 18X12 1.50	PILOT CAR IN USE WAIT & FOLLOW		DISTRICT
11-4bL 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)	KC
01-4bR 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)	COUNT
11-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MD4-9L 48X36 12.00	DETOUR (LEFT ARROW)	6161008 2 ADVANCED WARNING RAIL SYSTEM 6161012 BUOYS (BOATS KEEP OUT)	CLA JOB N
11-4cR 48X48 16.00 11-6 60X30 12.50	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS) HORIZONTAL ARROW (SYMBOL)	MD4-9R 48X36 12.00	DETOUR (RIGHT ARROW) STREET NAME (PLAQUE)	6161012	J4P34
11-6a 72X36 18.00	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MD4-10L 48X18 6.00	DETOUR (ARROW LEFT)	6161014 SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	CONTRACT
01-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	M04-10R 48X18 6.00	DETOUR (ARROW RIGHT)	6161025 151 CHANNELIZER (TRIM LINE)	
1-7a 72X36 18.00	DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.	REGULATORY SIGN		6161030 6 TYPE III MOVEABLE BARRICADE	PROJECT
1-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1 48X48 13.25	STOP	6161033 DIRECTION INDICATOR BARRICADE	DDIDOE
1-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI. 6.93	YIELD	6161040 5 FLASHING ARROW PANEL	BRIDGE
03-1 48X48 16.00	STOP AHEAD (SYMBOL)	R1-2a 36X36 9.00	TO ONCOMING TRAFFIC (PLAQUE)	6161047 TYPE III OBJECT MARKER	
03-2 48X48 16.00	YIELD AHEAD (SYMBOL)	R1-3P 30X12 2.50	ALL WAY (PLAQUE)	6161051 WARNING LIGHT, TYPE A	
03-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)	R2-1 36X48 12.00 2 24.0	SPEED LIMIT 40	6161052 WARNING LIGHT, TYPE B	
03-4 48X48 16.00	BE PREPARED TO STOP	R2-1 36X48 12.00 2 24.0	SPEED LIMIT 30	6161053 WARNING LIGHT, TYPE C	
03-5 48X48 16.00	SPEED LIMIT AHEAD	R2-1 36X48 12.00 4 48.0	SPEED LIMIT 35	6161055 SEQUENTIAL FLASHING WARNING LIGHT	
4-1L	MERGE (SYMBOL FROM LEFT) MERGE (SYMBOL FROM RIGHT)	R2-1 36X48 12.00 2 24.0 R3-1 48X48 16.00	SPEED LIMIT 25 NO RIGHT TURN (SYMBOL)	6161070 TUBULAR MARKER 6161095 RADAR SPEED ADVISORY SYSTEM	<u> </u>
04-1R	MERGE (SYMBOL FROM RIGHT) MERGE (ARROW SYMBOL)	R3-2 48X48 16.00	NO LEFT TURN (SYMBOL)	CHANGEABLE MESSAGE SIGN,	
04-1aR 48X48 16.00	MERGE (ARROW SYMBOL)	R3-3 36X36 9.00	NO TURNS	6161096 COMMISSION FURNISHED/RETAINED	SCF
05-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R3-4 48X48 16.00	NO U-TURN (SYMBOL)	CHANGEABLE MESSAGE SIGN W/O COMM.	30 BE
5-3 48X48 16.00	ONE LANE BRIDGE	R3-7L 30X30 6.25 2 12.5	LEFT LANE MUST TURN LEFT	6161098A 2 INTERFACE, CONTRACTOR FURNISHED/RETAINED	
5-5 48X48 16.00	NARROW LANES	R3-7R 30X30 6.25 2 12.5	RIGHT LANE MUST TURN RIGHT	CHANGEABLE MESSAGE SIGN WITH COMM.	
6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-1 36X48 12.00	DO NOT PASS	6161099 INTERFACE, CONTRACTOR FURNISHED/RETAINED	
16-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)	R4-2 36X48 12.00	PASS WITH CARE	6162000A WORK ZONE TRAFFIC SIGNAL SYSTEM	
06-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R4-8a 36X48 12.00	KEEP LEFT (HORIZONTAL ARROW)	6162002 TEMPORARY LONG-TERM RUMBLE STRIPS	
07-3a 30X24 5.00	NEXT XX MILES (PLAQUE)	R4-7a 36X48 12.00 4 48.0	KEEP RIGHT (HORIZONTAL ARROW)	6162004 TEMPORARY SHORT-TERM RUMBLE STRIPS	DA'
08-1 48X48 16.00	BUMP	R5-1 30X30 6.25	DO NOT ENTER	6169902 6 ADA COMPLIANT MOVEABLE BARRICADE	
08-2 48X48 16.00 08-3 48X48 16.00	DIP	R5-1a 36X24 6.00	WRONG WAY	TEMPORARY TRAFFIC BARRIER 6173600D	N N
08-3 48X48 16.00 08-4 48X48 16.00	PAVEMENT ENDS SOFT SHOULDER	R6-1L 54X18 6.75 R6-1R 54X18 6.75	ONE WAY ARROW (LEFT) ONE WAY ARROW (RIGHT)	6173600D CONTRACTOR FURNISHED/RETAINED TEMPORARY TRAFFIC BARRIER	Ϊ́
08-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)	R6-2L 24X30 5.00	ONE WAY (LEFT)	6173602B CONTRACTOR FURNISHED/COMMISSION RETAINED	¥ ⊥
08-6 48X48 16.00	TRUCK CROSSING (WITH FLAGS)	R6-2R 24X30 5.00	ONE WAY (RIGHT)	6174000A TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	l E
08-6c 48X48 16.00	TRUCK ENTRANCE	R9-9 24X12 2.00 12 24.0	SIDEWALK CLOSED	6175010A RELOCATING TEMPORARY TRAFFIC BARRIER	I S
08-7 36X36 9.00	LOOSE GRAVEL		SIDEWALK CLOSED AHEAD,	TEMPORARY TRAFFIC BARRIER	A A N
8-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R9-11L 24X18 3.00 3 9.0	(ARROW LEFT) CROSS HERE	6176000B COMMISSION FURNISHED/RETAINED	I F S
8-9 48X48 16.00	LOW SHOULDER	3 9.0	SIDEWALK CLOSED AHEAD.	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	AND
08-11 48X48 16.00	UNEVEN LANES	R9-11R 24X18 3+00	(ARROW RIGHT) CROSS HERE	6177000B COMMISSION FURNISHED/RETAINED	I S I L
18-12 48X48 16.00	NO CENTER LINE	R10-6 24X36 6.00	STOP HERE ON RED (45° ARROW)	6208064A TEMPORARY RAISED PAVEMENT MARKER	S×M Z
18-15 48X48 16.00	GROOVED PAVEMENT	R11-2 48X30 10.00 2 20.0	ROAD CLOSED	9029400 TEMPORARY TRAFFIC SIGNALS 9029401 TEMPORARY TRAFFIC SIGNALS AND LIGHTING	≸5 ()∢
18-15P 30X24 5.00 8-17 48X48 16.00	MOTORCYCLE (PLAQUE)	R11-3a 60X30 12.50	ROAD CLOSED XX MILES AHEAD	9029401 TEMPORARY TRAFFIC SIGNALS AND LIGHTING	I≅ ⊼
08-17 48X48 16.00 08-17P 30X24 5.00	SHOULDER DROP-OFF (SYMBOL) SHOULDER DROP-OFF (PLAQUE)	R11-3d 60X30 12.50	ROAD CLOSED TO THRU TRAFFIC		HIGHWAYS COMMI
0-1 42RND. 9.62	RAILROAD CROSSING	CONST-3A 60X48 20.00	FINE SIGN		1_ (0)
12-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-3X 56X12 4.67	SPEEDING/PASSING (PLATE)		MISSOUR
12-2 48X48 16.00	LOW CLEARANCE (SYMBOL)	MISCELLANEOUS S			JSS 🗲 \
12-2X 24X18 3.00	LOW CLEARANCE (PLAQUE)	CONST-5 48X36 12.00	POINT OF PRESENCE		<u> </u>
12-2a 84X24 14.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-5 96X48 32.00 2 64.0	POINT OF PRESENCE		F .
12-4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD	CONST-7 48X24 8.00	RATE OUR WORK ZONE		
012-5 120X60 50.00	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	CONST-7 72X36 18.00 2 36.0	RATE OUR WORK ZONE	-	
113-1 30X30 6.25 2 12.5	ADVISORY SPEED (PLAQUE)	CONST-8 48X36 12.00 2 24.0	WORK ZONE NO PHONE ZONE	-	1
116-2 30X24 5.00 116-3 30X24 5.00	XXX FEET (PLAQUE) X MILE (PLAQUE)			1	1
20-1 48X48 16.00 8 128.0	ROAD/BRIDGE/RAMP WORK AHEAD			1	1
20-2 48X48 16.00	DETOUR AHEAD			†	1
20-3 48X48 16.00 2 32.0	ROAD/BRIDGE/RAMP CLOSED AHEAD			1	1
20-4 48×48 16.00 6 96.0	ONE LANE ROAD AHEAD	616-10.05 TOTAL		-	
20-5 48X48 16.00 2 32.0	RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTRUCTION SIGNS 958			1
20-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10 TOTA	_		1
020-6d 48X48 16.00 6 96.0	RIGHT/CENTER/LEFT LANE CLOSED	RELOCATED SIGNS 0			
20-7a 48X48 16.00 4 64.0	FLAGGER (SYMBOL, WITH FLAGS)				
021-2 36X36 9.00	FRESH OIL	-			1
021-5 48X48 16.00	SHOULDER WORK AHEAD	-			1
D22-1 48X48 16.00	BLASTING ZONE AHEAD TURN OFF 2-WAY RADIO AND PHONE	-			1
022-3 42X36 10.50	END BLASTING ZONE	1		SUMMARY SHEET	1
				SHEET 4 OF 4	



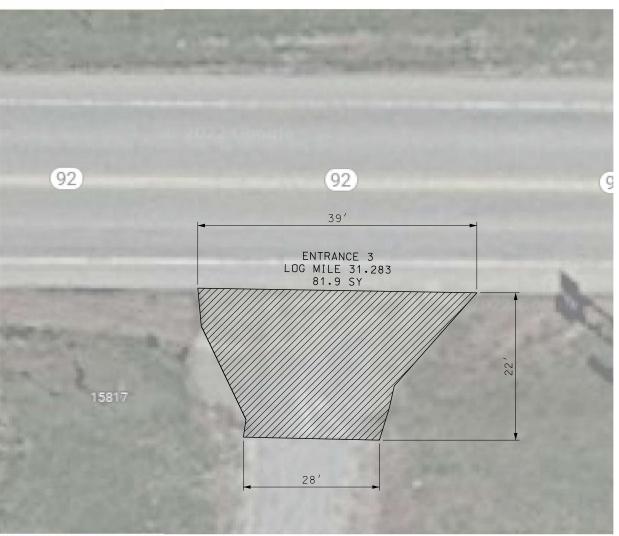


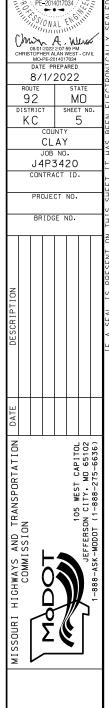
SPECIAL SHEET RAILROAD EXCEPTION DETAIL SHEET 1 OF 10

MISSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION					_		0	millim,	11/11
COMMISSION						K	9	ROL	IN. HRIS	PROKINI	2111
			BR		JZ		RIC	8/	08/01 TOPH MO- DAT	PE SS)	<u>`</u> ,
			IDO	JE	IOB IP: TRA	cou CL	T	1/:	2022 IER A PE-20	ilan Nun	OF IRIST
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105 WEST CAPITOL			10.		20	,	HEE	22	29 PM WEST 7034	ī	
JEFFERSON CITY, MO 65102						4		ATE	IAG - CIV	III VEER	
1-888-ASK-MODOT (1-888-275-6636)) .		į.	Vinnium V	



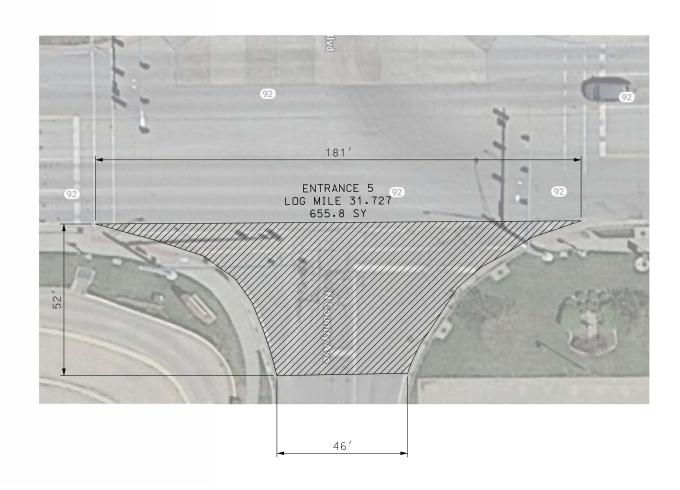


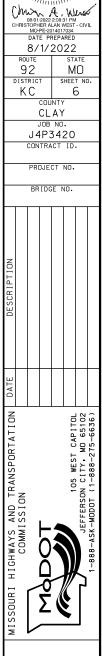








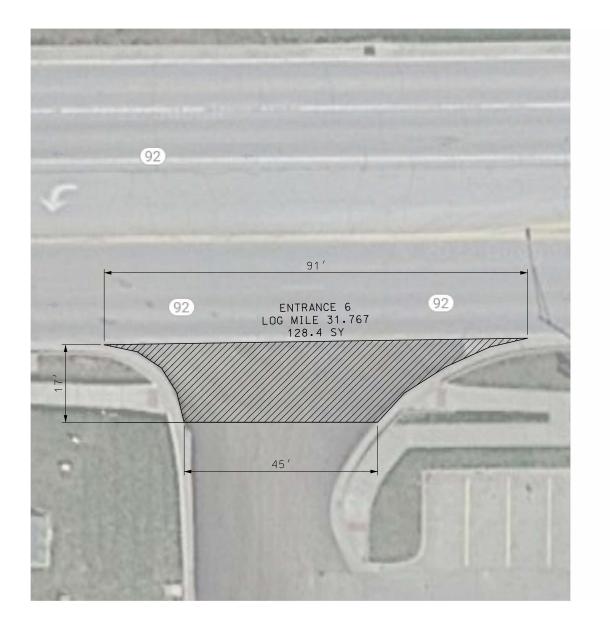


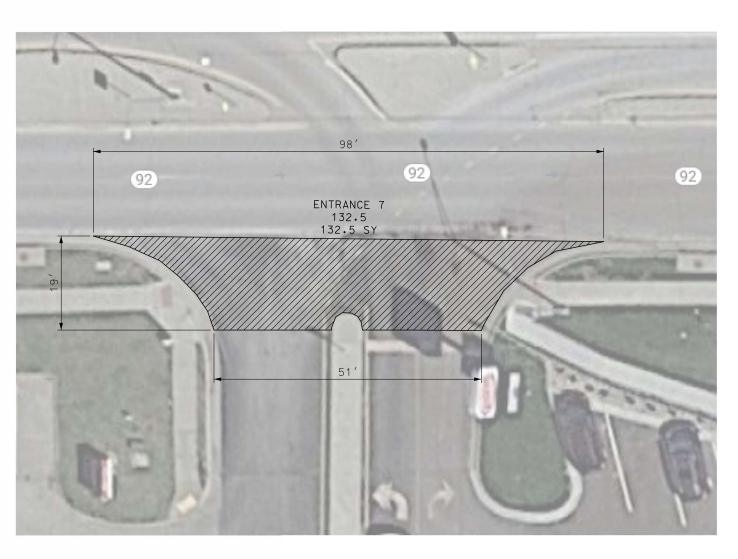


AREA TO BE RESURFACED

NOT TO SCALE

SPECIAL SHEET ENTRANCE DETAILS SHEET 3 OF 10



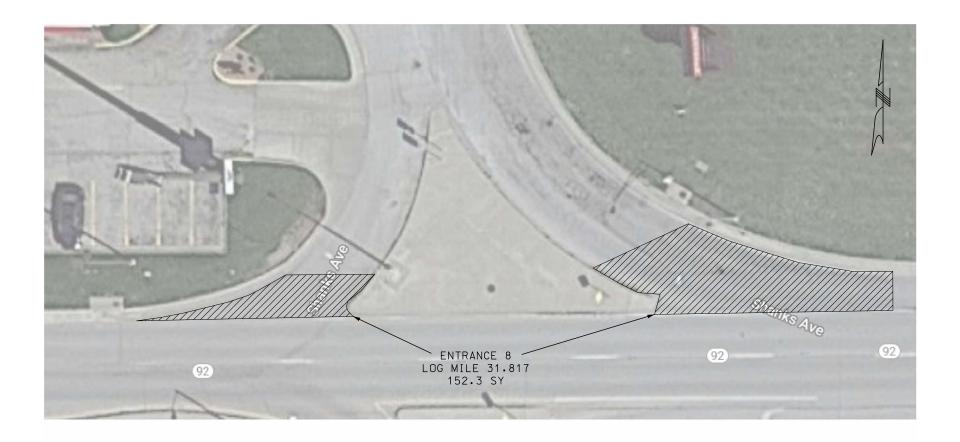




AREA TO BE RESURFACED

NOT TO SCALE

SPECIAL SHEET ENTRANCE DETAILS SHEET 4 OF 10



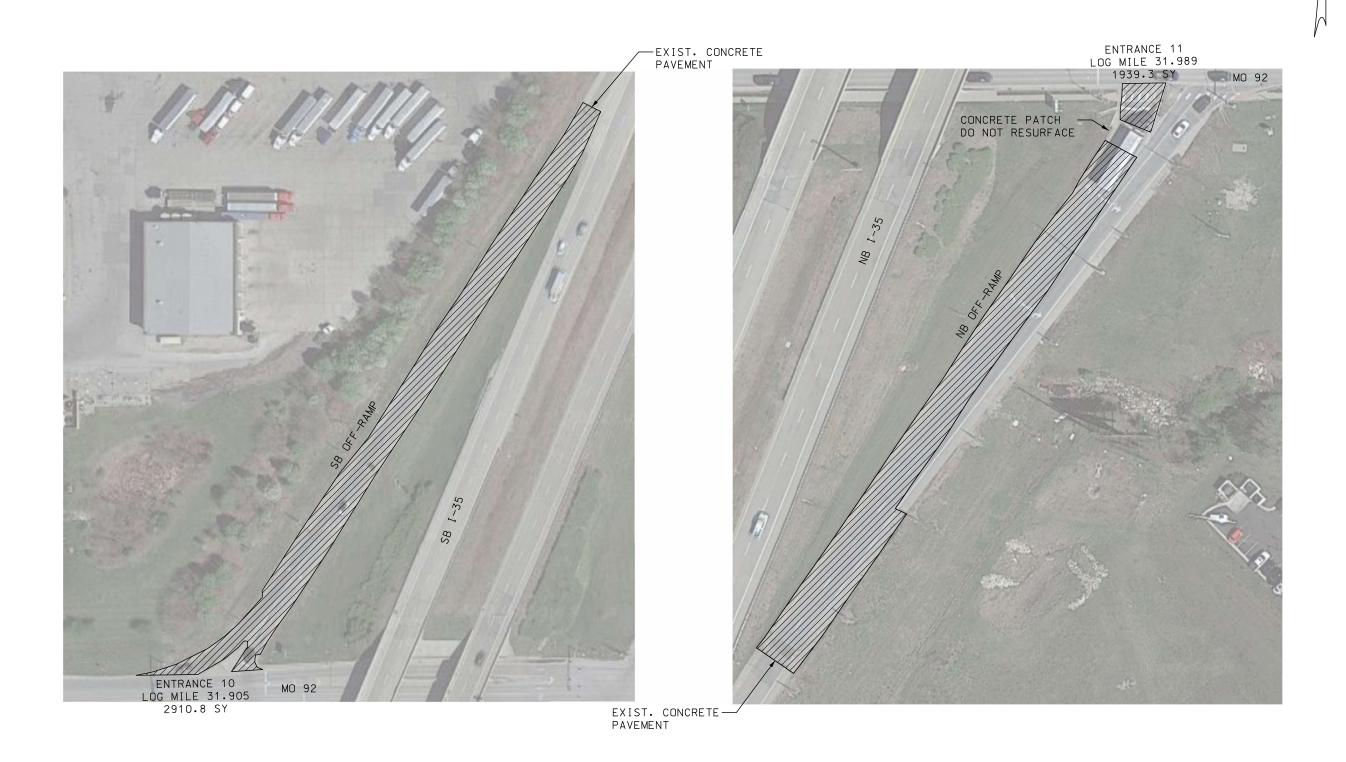


CHRISTOPHER ALAN WEST - CIV MO-PE-2014017034 DATE PREPARED 2/21/2023

CLAY JOB NO.
J4P3420
CONTRACT ID.

PROJECT NO.

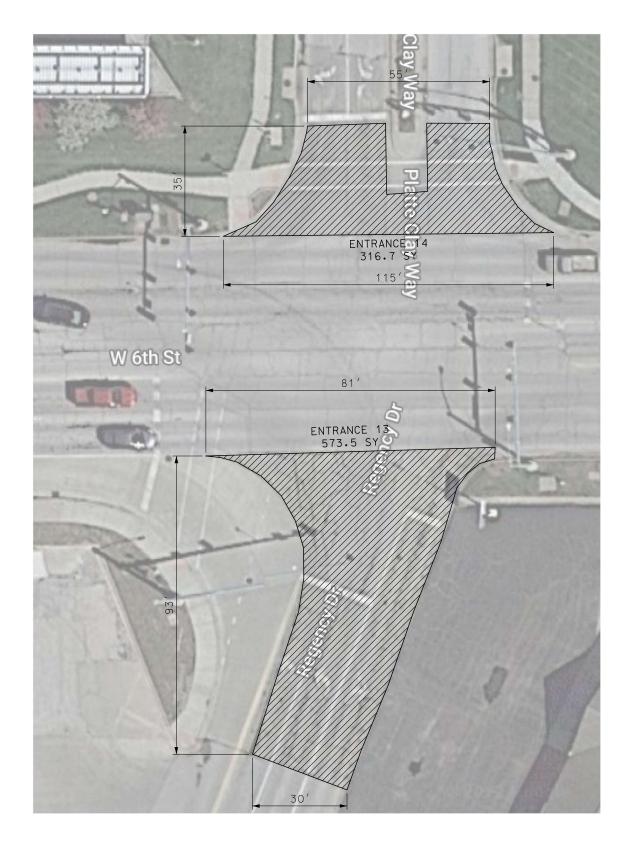
ROUTE 92 DISTRICT KC

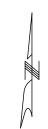


DATE PREPARED 2/21/2023 POUTE 92
DISTRICT KC CLAY JOB NO.
J4P3420
CONTRACT ID. PROJECT NO.

-EXIST. CONCRETE PAVEMENT





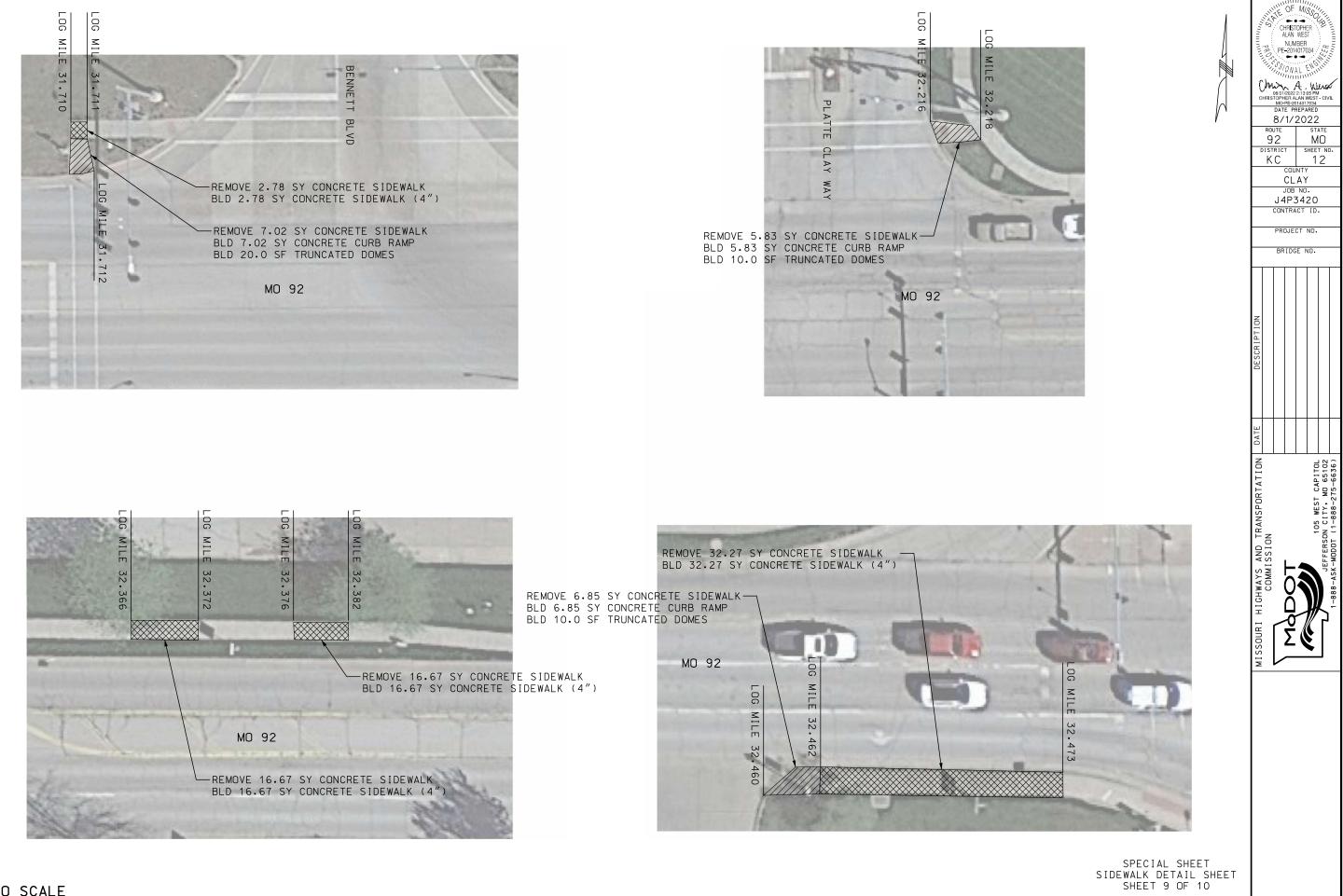


02/21/2023 2:46:46 PM CHRISTOPHER ALAN WEST - C MO-PE-2014017034 DATE PREPARED 2/21/2023 ROUTE STATE
92 MO
DISTRICT SHEET NO.
KC 10 COUNTY CLAY JOB NO.
J4P3420
CONTRACT ID. PROJECT NO.





CHRISTOPHER ALAN WEST-CIVI MO-PE-2014017034 DATE PREPARED 8/1/2022 ROUTE STATE
92 MO
DISTRICT SHEET NO.
KC 11 COUNTY
CLAY
JOB NO.
J4P3420
CONTRACT ID. PROJECT NO.







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 NUMBER PE-2014017034 OBJ01/2022 2:14:00 PM
CHRISTOPHER ALAN WEST- CIVI
MO-PE-2014017034

DATE PREPARED 8/1/2022 ROUTE STATE
92 MO
DISTRICT SHEET NO.
KC 13 CLAY JOB NO.
J4P3420
CONTRACT ID. PROJECT NO. BRIDGE NO.

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

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

TAPE	R LENGTHS A	ND END TREAT	TMENTS FOR	CONCRETE BARRIER
PERMANENT				
POSTED SPEED	MINIMUM LANE	TAPER LENGTH	(3)	
MPH	10′	11′	12′	END TREATMENT (4)
< 40	160′	168′	176′	BARRIER HEIGHT TRANSITION
> 40	160′	168′	176′	APPROVED CRASH CUSHION

TAPE	R LENGTHS AI	ND END TREAT	TMENTS FOR (CONCRETE BARRIER
PERMANENT				
POSTED SPEED	MINIMUM LANE	TAPER LENGTH	(3)	
MPH	10′	11′	12′	END TREATMENT (4)
< 40	160′	168′	176′	BARRIER HEIGHT TRANSITION
> 40	160′	168′	176′	APPROVED CRASH CUSHION

(1)	SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
(2)	SDACING MAY BE ADJUSTED AS NECESSARY TO MEET

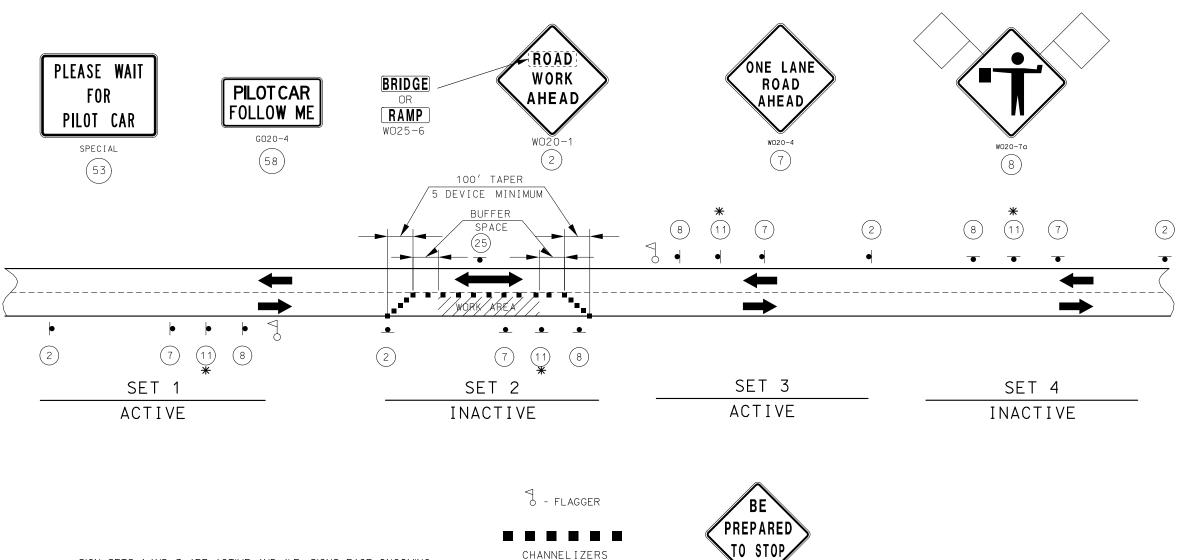
(2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST

- (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

AISSOURI HIGHWAYS AND TRANSPORTATION DATE	COMMISSION		MADOT		105 WEST CAPITOL	JEFFERSON CITY, MO 65102	1-888-ASK-MODOT (1-888-275-6636)
DESCRIPTION							
		J Z CON PRO	IP:	34: cт	ID NO.	•	_
D	9		cou CL	NTY AY	М нее 1	10 t no 4).
THITITITINE CO	S PROVINI	DAT	/2023 1/11 /2023 IER A PE-20	AL 2:49: LAN V		833/11 1-civ	WWW.

		TAPER	LENGTHS AND	SPACING FOR CHANN	ELIZER	S	
PERMANENT				MINIMUM SHOULDER	BUFFER	MAXIMUM CHANNELI	ZER SPACING
POSTED SPEED	MINIMUM LANE	TAPER LENGTH	(3)	TAPER LENGTH	LENGTH	THROUGH	THROUGH
MPH	10′	11′	12′	BASED ON 10' SHOULDER	FT	TAPER	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′
CO 70	700′	770′	0.407	225/	0.407	CO'	1201



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

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 SET 2 AND 4, SIGN SET 2 AND 4 BECOME ACTIVE (I.E. NEW SIGN SET 1 AND 3) AND SIGN SET 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E. NEW SIGN SET 2 AND 4).

WO3-4

(11)

* NOTE: THIS SIGN IS INSERTED BETWEEN SIGNS 7 & 8 WITH THE SPACING OF 1/2 THE STANDARD SPACING 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

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.

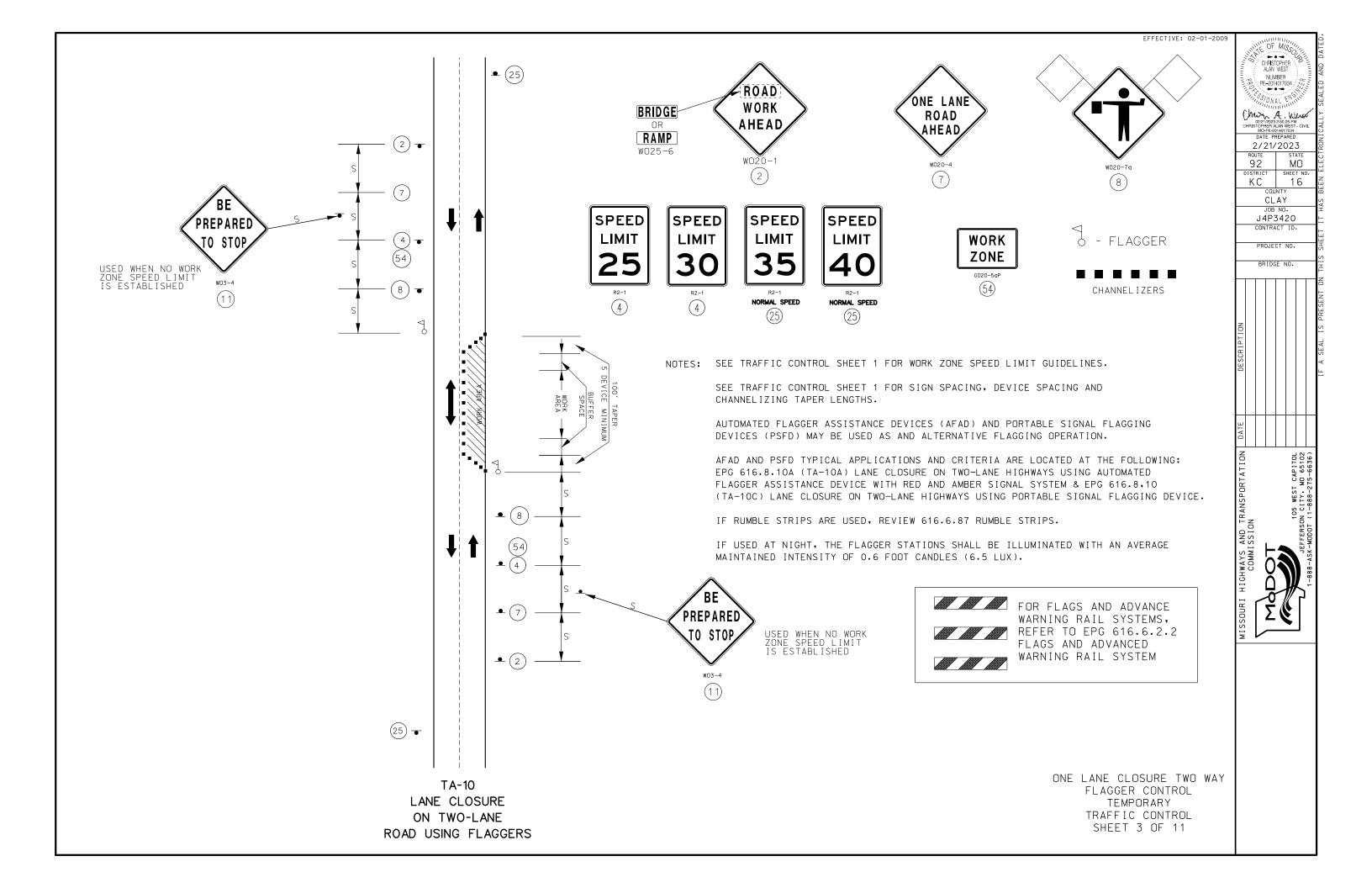
DAYLIGHT FLAGGING OPERATIONS ONLY.

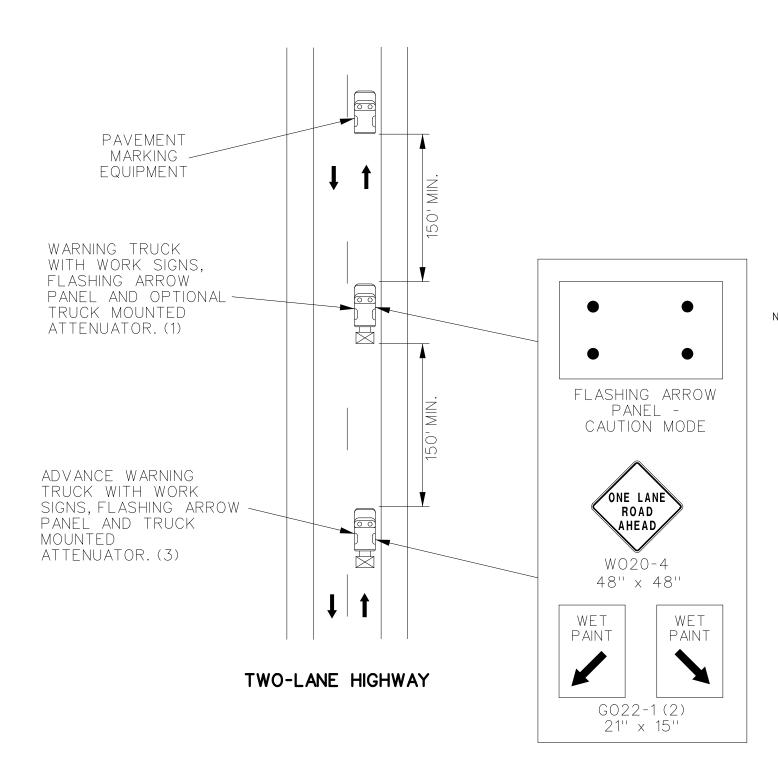
CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

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

TA-10D

FLAGGER CONTROL RESURFACING OR MOVING OPERATION TEMPORARY TRAFFIC CONTROL SHEET 2 OF 11





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, OSCILLATING, OR STROBE LIGHTS.

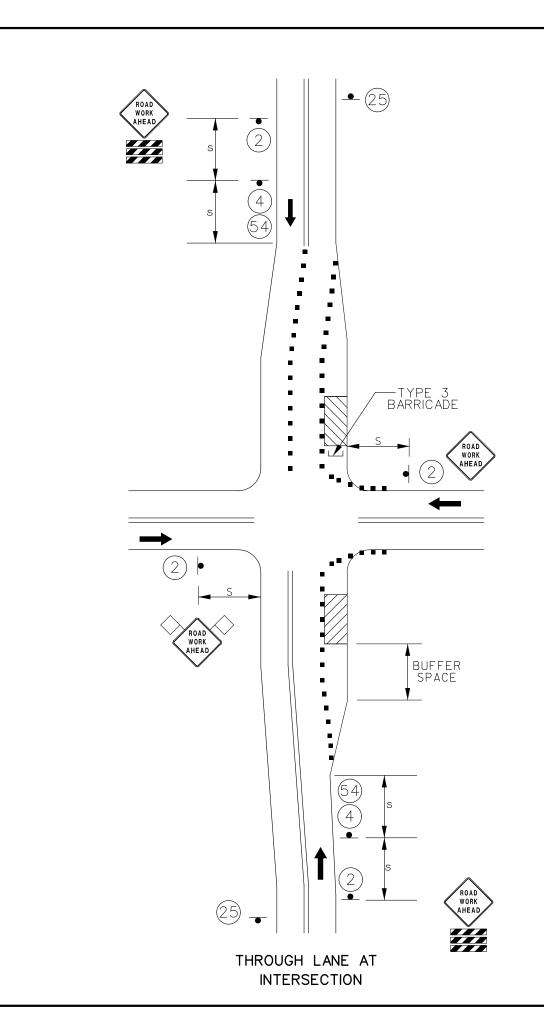
- (1). TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.
- (2). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN 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.

2/21/2023 KC 17 CLAY J4P3420 CONTRACT ID. PROJECT NO. BRIDGE NO.

MOVING OPERATION ON HIGHWAY OPEN TO TRAFFIC

TA-17A

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

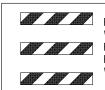












FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCED WARNING RAIL SYSTEM

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.

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.

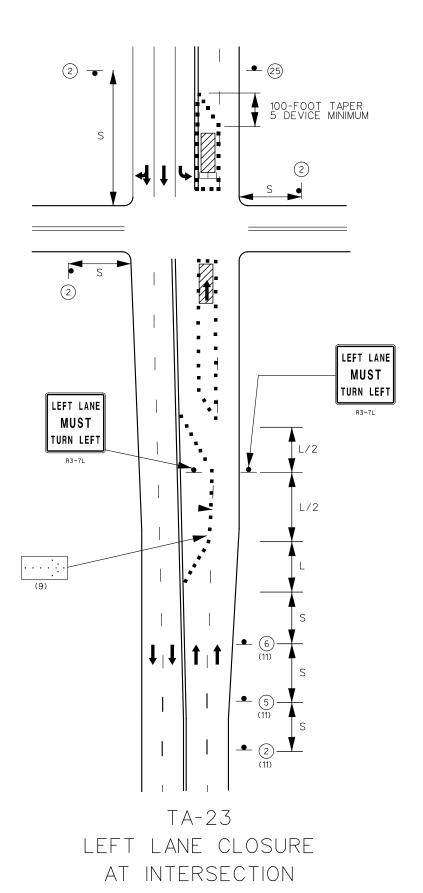
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

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.

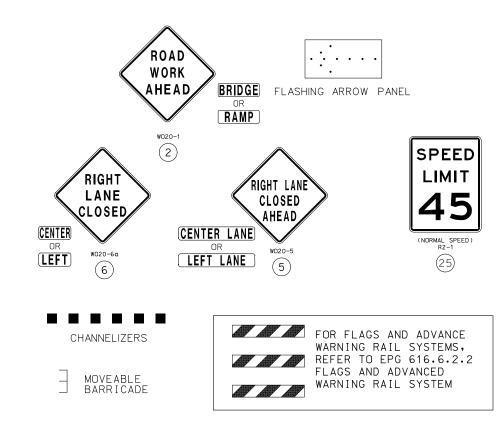
(Mux A. Wer 2/21/2023 92 MΩ SHEET NO KC 18 CLAY J4P3420 CONTRACT ID. PROJECT NO. BRIDGE NO.

THROUGH LANE AT INTERSECTION TEMPORARY TRAFFIC CONTROL SHEET 5 OF 11

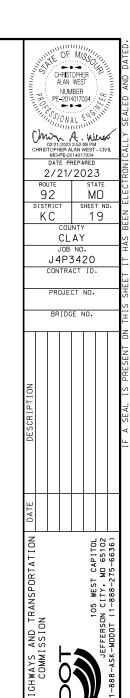


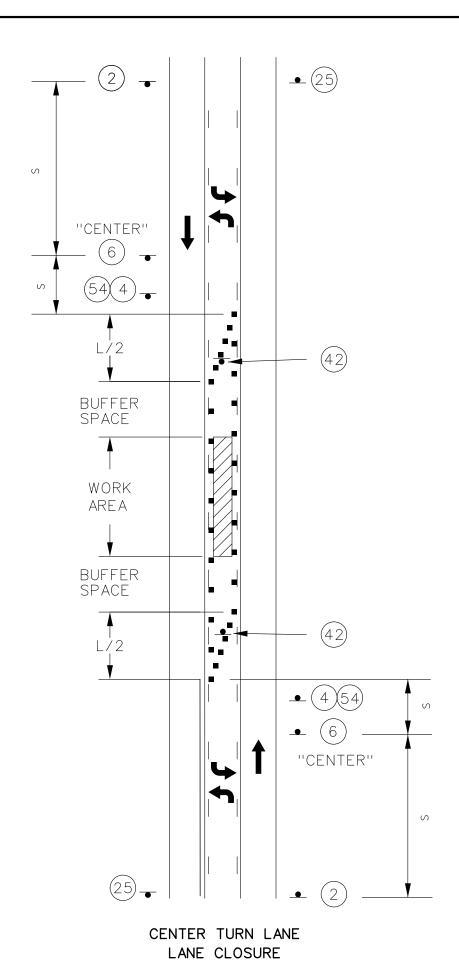
NOTE:

- (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). BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (5). 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.
- (6). "LEFT LANE CLOSED AHEAD" SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (7). 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 SUFFICENT ROOM BETWEEN EASTBOUND AND WESTBOUND LANES.



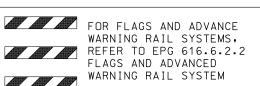
LEFT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE ONLY
TEMPORARY
TRAFFIC CONTROL
SHEET 6 OF 11





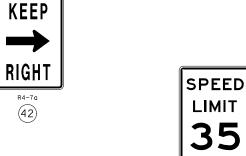


NOTES:



G020-5aP (54)

RIGHT ROAD LANE WORK CENTER OR LEFT CLOSED AHEAD BRIDGE RAMP W020-6a W020-1 6 (2)



WORK ZONE

(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.

SPEED LIMIT R2-1 NORMAL SPEED

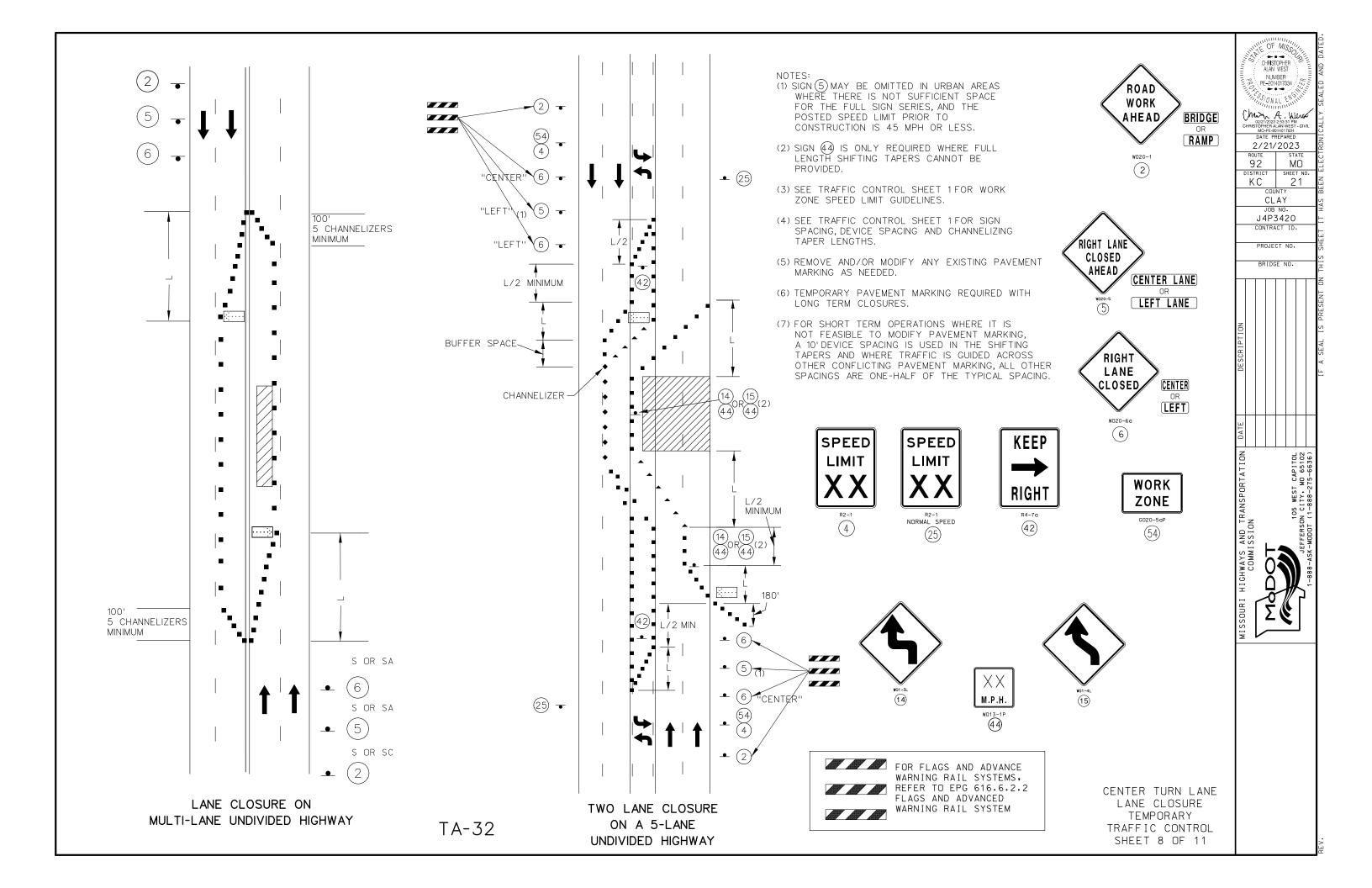
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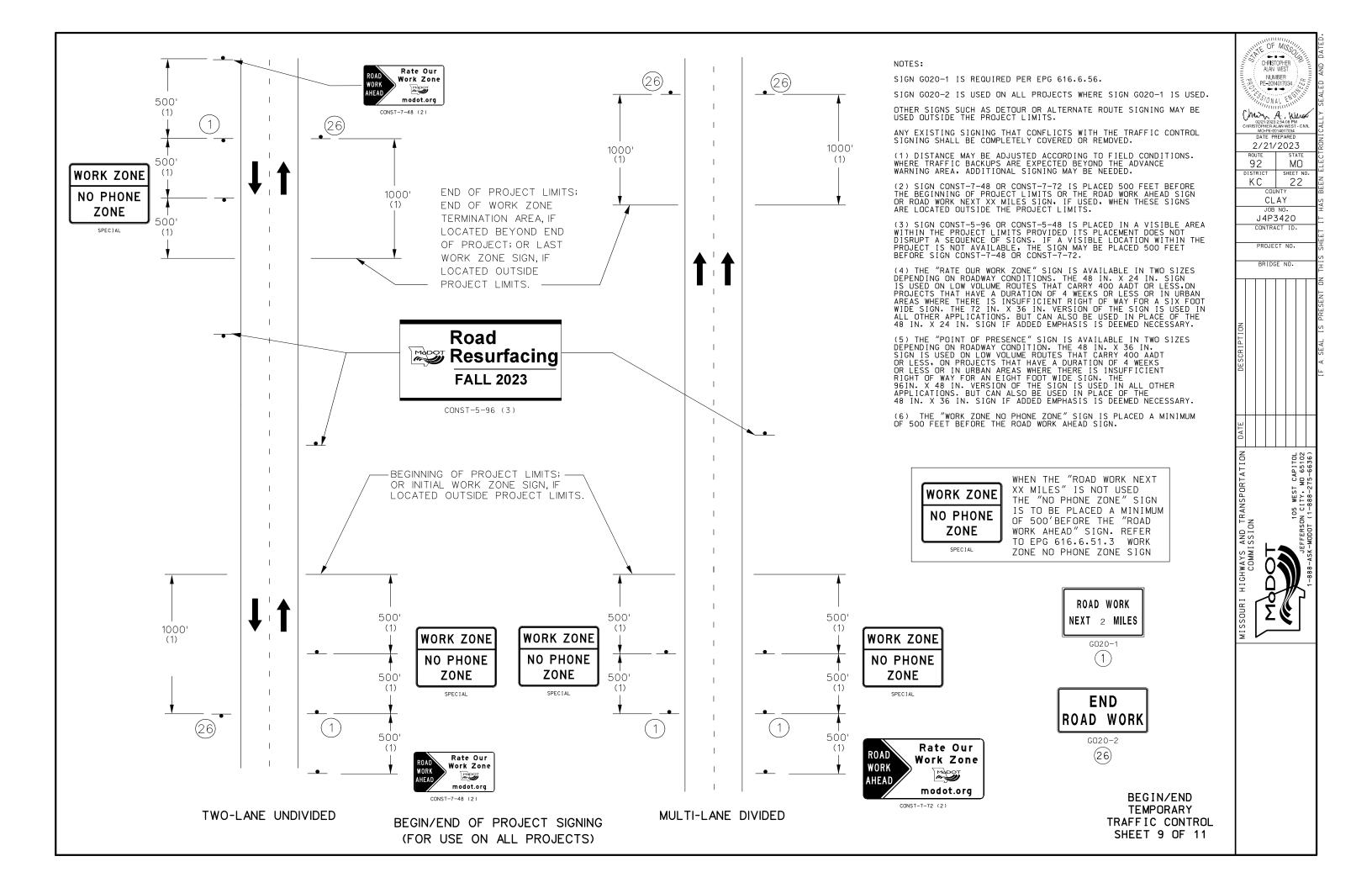
(25)

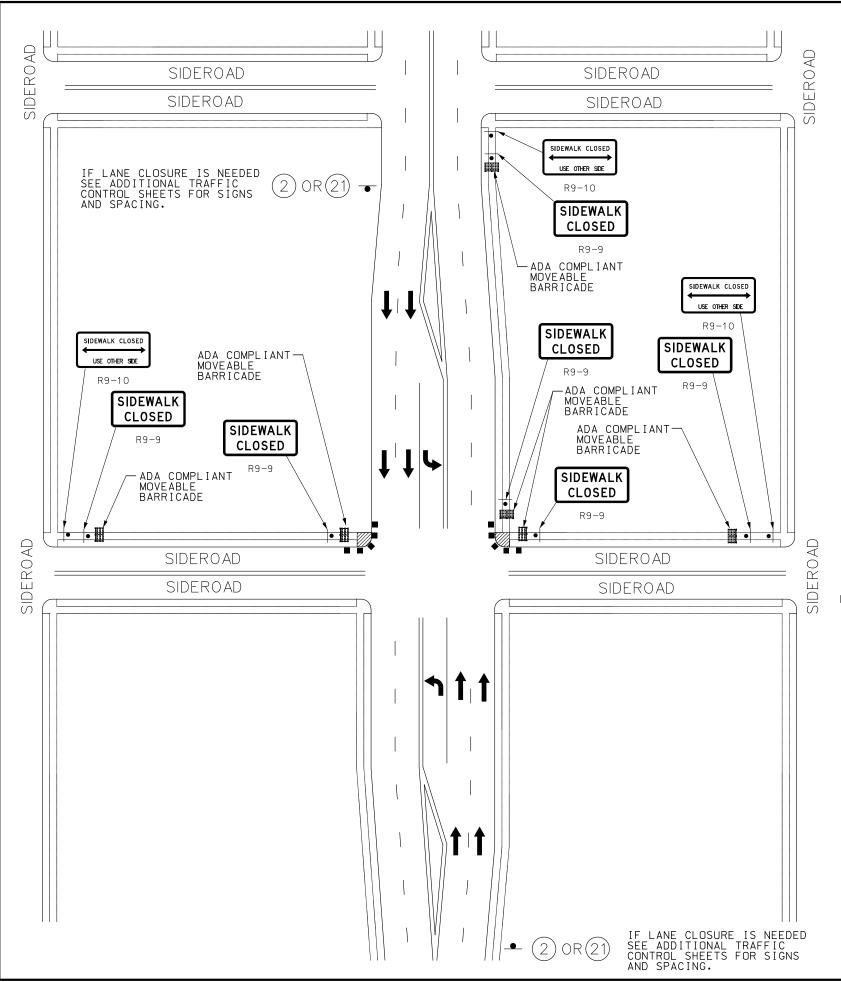
CENTER TURN LANE LANE CLOSURE TEMPORARY TRAFFIC CONTROL SHEET 7 OF 11

Chun A. Wers 2/21/2023 92 MO DISTRICT DISTRICT SHEET NO.

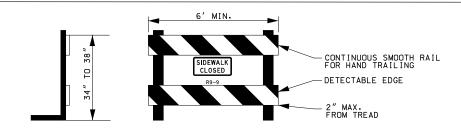
KC 20 CLAY JOB NO. J4P3420 CONTRACT ID. PROJECT NO. BRIDGE NO.



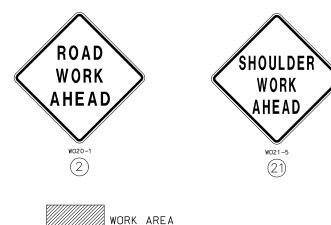








- (1). WARNING LIGHTS SHALL NOT BE ATTACHED TO ADA COMPLINT BARRICADES.
- (2). CHEVRON RAILS ON THE ADA COMPLIANT BARRICADES MUST BE 8" WIDE MIN. AND MEET TYPE 3 RETRO-REFLECTIVE SHEETING AND COLOR CONTRAST BARRICADE RAILS AS SHOWN. THE TOP RAIL MUST PROVIDE A SMOOTH CONTINUOUS RAIL SURFACE SUITABLE FOR HAND TRAILING WITH NO SPLINTERS, BURRS OR SHARP EDGES. A MINIMUM OF TWO 8" WIDE RAILS REQUIRED.
- (3). NO TRIPPING HAZARDS FROM THE BARRICADES ARE ALLOWED WITHIN THE PEDESTRIAN SPACE. THIS MEANS NO FEET OR BARS USED TO HOLD THE RAILS OR SUPPORT THE DEVICE ARE ALLOWED WITHIN THE WALKWAY. ALL FEET AND BALLASTS WILL NEED TO BE BEHIND THE DEVICE.
- (4). THE BARRICADE MUST BE THE FULL WIDTH OF THE CLOSED SIDEWALK.



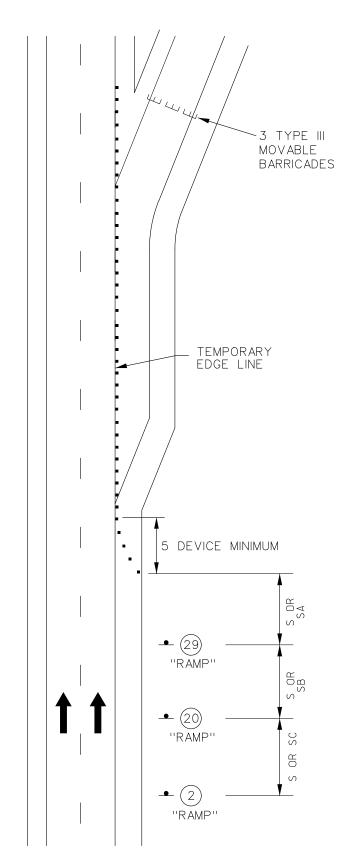
CHANNELIZERS

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 SUFFICENT ROOM BETWEEN LANES

SIDEWALK WORK AT INTERSECTION TEMPORARY TRAFFIC CONTROL SHEET 10 OF 11

CHRISTOPHER ALAN WEST NUMBER PE-2014017034 ISSONAL My A. Weres 2/21/2023 92 MΩ DISTRICT SHEET NO КC 23 CLAY J4P3420 CONTRACT ID. PROJECT NO. BRIDGE NO.



ENTIRE RAMP

TA-43A - LANE CLOSURE PARTIAL AND TOTAL RAMP CLOSURE











29



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.

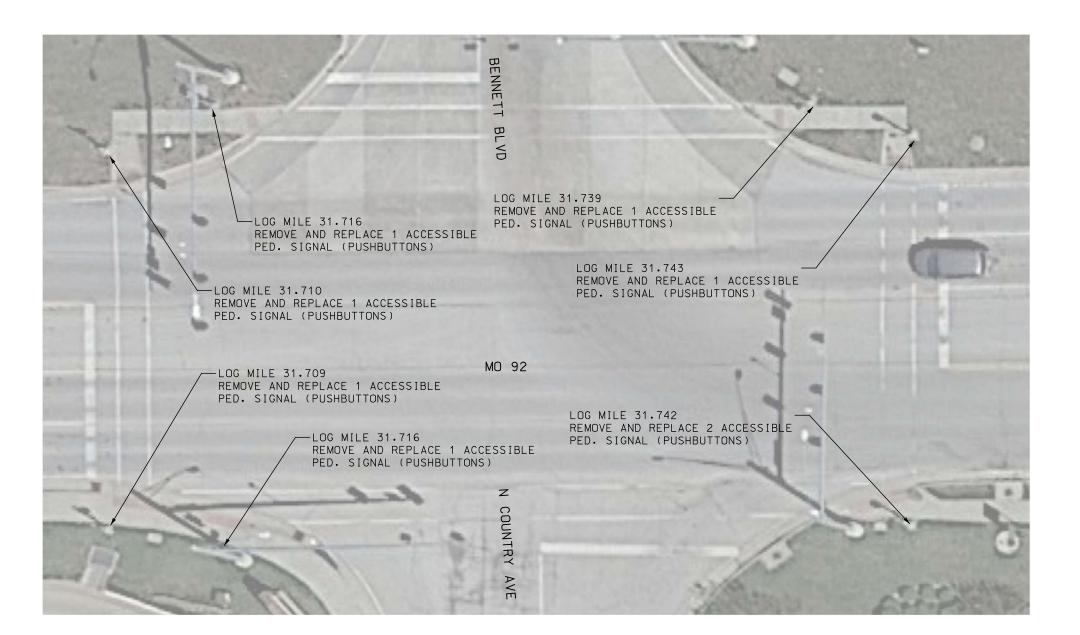
TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

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

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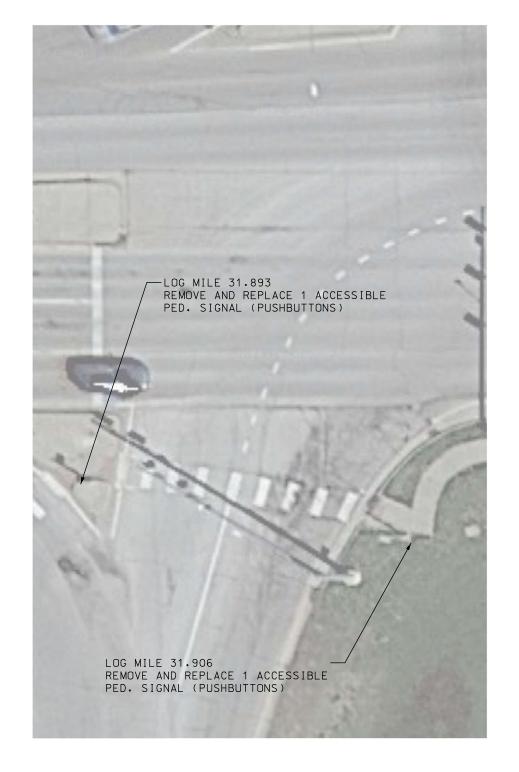


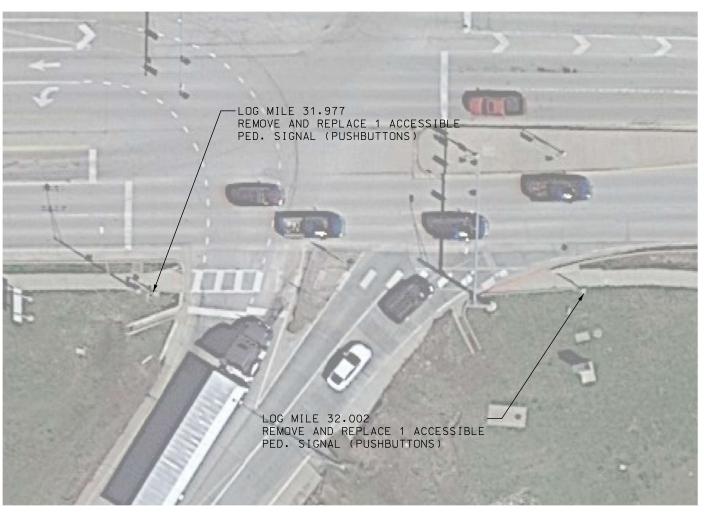


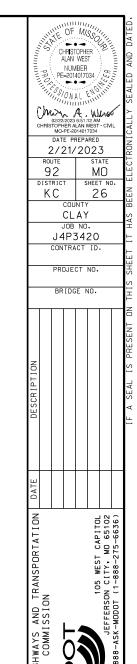
CHRISTOPHER ALAN WEST NUMBER PE-2014017034 2/21/2023 92 MO DISTRICT DISTRICT SHEET NO.

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J4P3420
CONTRACT ID. PROJECT NO. BRIDGE NO.

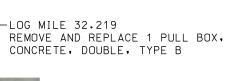
SIGNAL SHEET SIGNAL LOCATIONS SHEET 1 OF 4



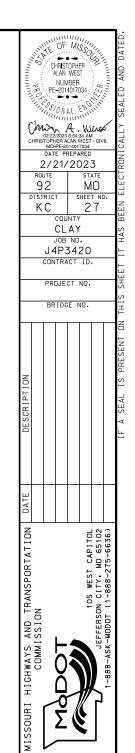




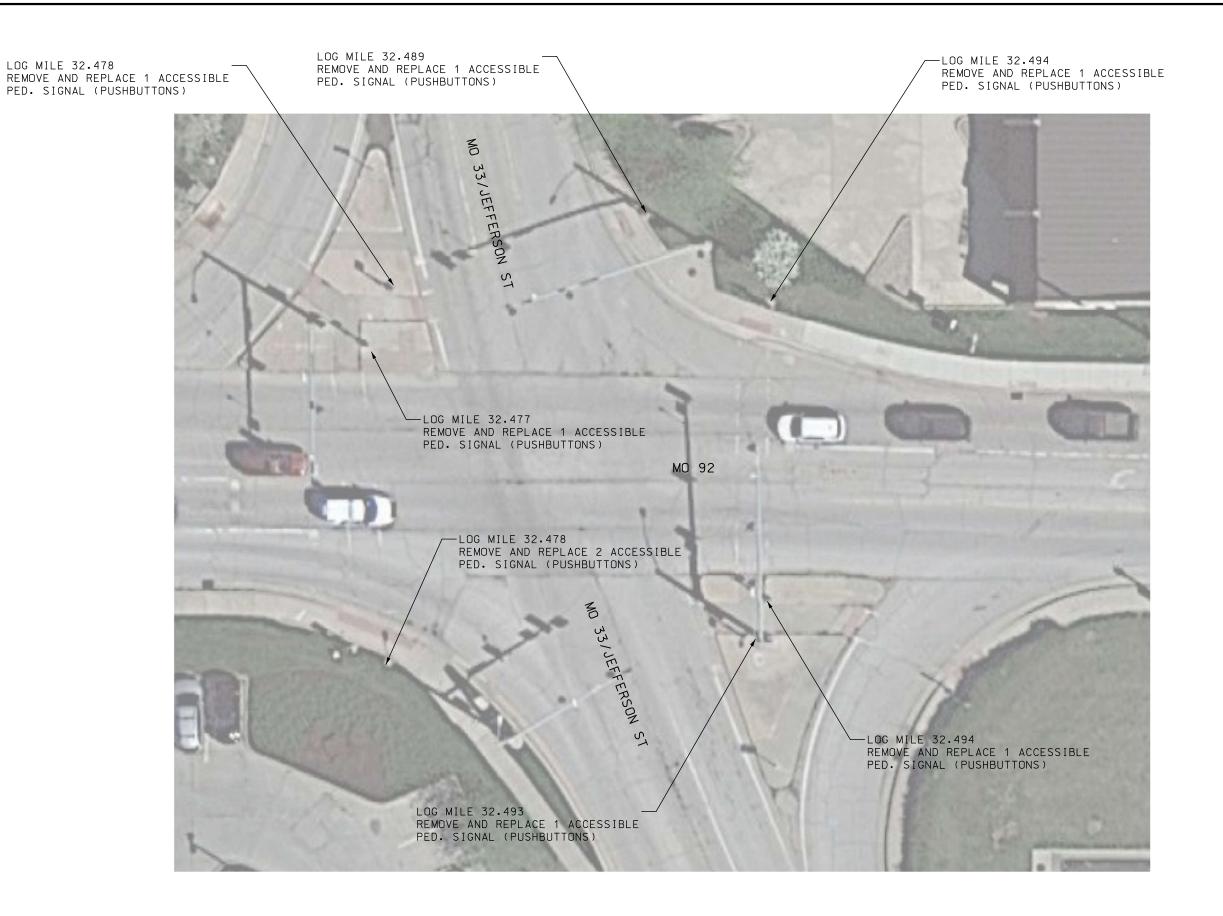
SIGNAL SHEET SIGNAL LOCATIONS SHEET 2 OF 4







SIGNAL SHEET SIGNAL LOCATIONS SHEET 3 OF 4



Church A. Were 2/21/2023 ROUTE 92 MO DISTRICT SHEET NO. KC 28 CLAY JOB NO.
J4P3420
CONTRACT ID. PROJECT NO. BRIDGE NO.

SIGNAL SHEET SIGNAL LOCATIONS SHEET 4 OF 4

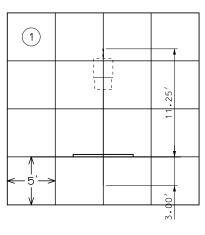




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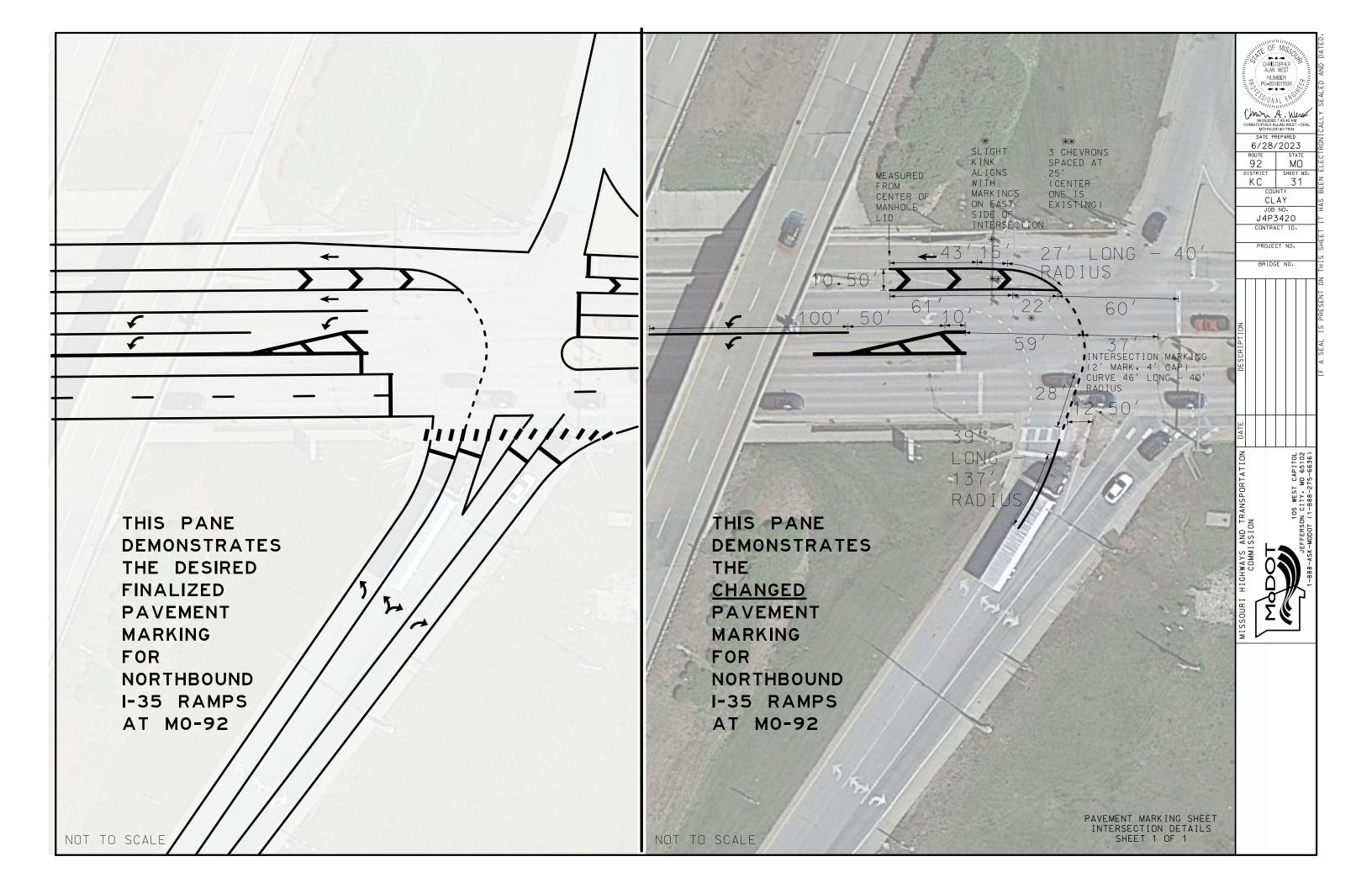






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POST FOOTING POST FOOTING POST P					TOT		W DDEAUAWAY												<u> </u>	 	**																				
ROUND PIPE POST AND FOOTING DATA TABLE NO. SIZE LBS/FT LBS/IN LENGTH NO. SIZE LBS/FT LBS/IN LENGTH OTHER POST DES. NOM. WEIGHT STUB DIA. LEVEL GROUND 6:1 GRADE 4:1 GRADE 3:1 OR 2:1 GRADE C.Y. DEPTH C.Y. DEP)	★ BACKING BA	ASSEN ARS AF	ME LOLV	LED WIT	NIAL H STR	FUR STE UCTURAL	KUCTUI L STEI	KAL ST EL OR	PIPE	PI עמו POSTS	rt 208 •	15.		F					UCTUR	AL ST	TEEL	POS	T AN	D FO				BLE]				
NOM. SIZE WEIGHT STUB FOOTING CONCRETE (IN.) LBS/FT LBS/IN LENGTH DIA. 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 SHEET 2 OF 2						Г	RUIND	PIPE	. PUc	ΣΤ ΔΝΓ) Fr	<u>nt t N</u>	G D	ΔΤΔ	TARI	F	\neg			PC	DST DE	ES. NOM. SIZE		WE I GH		STUB LENGTH		DEP.	TH C	.Y. [6:1 GI EPTH	RADE C.Y.	4:1 DEPTH	C.Y.	DEPTH	C.Y.	7	CNIINO CHE	_		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							NOM.SIZE	WE I	GHT	S.	TUB		FOOTI	NG	CC	NCRET	E			E	1 2	W6 W6	9.0	0	0.75 1.25	3'-0" 4'-0"	15" 24"	3'-0 4'-0	0" 0.	.14	3′-2″ 4′-2″	0.15	3'-3" 4'-3"	0.16	3'-6" 4'-6"	0.17 0.54	SH	JEET 2 OF	2		
						-	2½ 5 3 7	.79 .58	0.48 0.63		- 3½"	12'	"	4'-6"		0.13	=			F	3 4 5	W10	22.	.0	1.50 1.83 2.17	4'-6"	28"	1 4'-6	-6″ I O	.71 I ·	4′-8″	1 0.73 I	4'-9"	0.74 1.39 1.43	5'-6" 5'-9"	1.45	1		-20		



DESIGN DESIGNATION

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

FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

NO ROW REQUIRED

CONVENTIONAL SYMBOLS

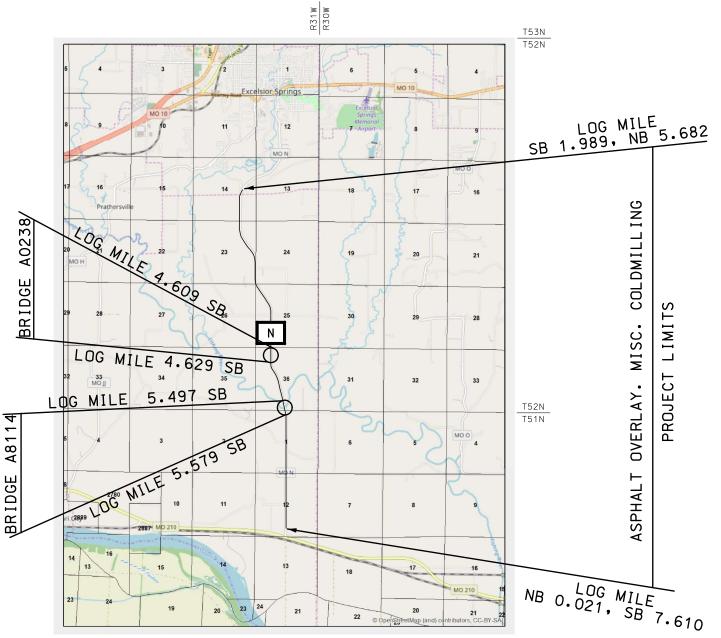
(USED IN PLANS)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	0000	····
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FO OTV UTV OT UT OE UE S SS G W SAN	-F0 -0TV -UTV -0T -UT -0E -UE -S -SS -6 -W
MANHOLE	HYD.	€
FIRE HYDRANT	wv	Ì
WATER VALVE	wm.	€
WATER METER	⊕)
DROP INLET		
DITCH BLOCK	SIGN	=
GROUND MOUNTED SIGN	-	_
LIGHT POLE	L	
H-FRAME POWER POLE	L-F PED	
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST BENCHMARK	Δ	
	_	

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

CHRIST	M/SSO DE LE COPHER WEST	AND DATED
NUN	MBER 2	
CHRIST ALAN NUM PE-201 Georgical Georgical CHRIST ALAN NUM PE-201 Georgical CHRIST ALAN	AL ENGLITH	SEALED
	A . WLASA 2:44:33 PM LIAN WEST - CIVIL 014017034	ICALLY
	REPARED	
	2023	ECTRO
ROUTE	STATE	ပ
N	MO	EE
DISTRICT	SHEET NO.	
КC	1	BEEN
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	AY	HAS
	NO.	Ŧ
	3367	H
CONTRA	ACT ID.	⊢
		SHEET
PROJE	CT NO.	S
		S
BRIDO		

LENGTH OF PROJECT

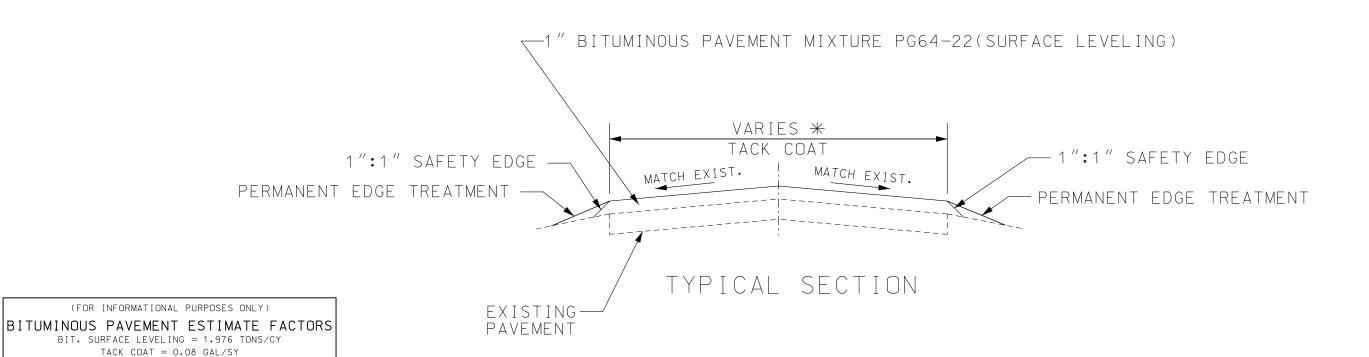
BEGINNING OF PROJECT	S.B.L. LOG MILE 1.989
END OF PROJECT	S.B.L. LOG MILE 7.610
APPARENT LENGTH	29,678,88 FEET 5,621 MILES
EQUATIONS AND EXCEPTIONS EQUATIONS: EXCEPTIONS:	NONE
BRIDGE A0238	100.59 FT.
4.609 TO 4.629	0.019 MILES
BRIDGE A8114	432.96 FT.
5.497 TO 5.579	0.082 MILES

TOTAL CORRECTIONS 533.55 FEET NET LENGTH OF PROJECT 29,145.33 FEET STATE LENGTH 5.520 MILES FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES

O ACRES



ROADWAY WIDTHS *												
ROUTE	LOG	LOG	NUMBER	LANE	ROADWAY							
	MILE	MILE	OF LANES	WIDTH	WIDTH							
				(FT)	(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							



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

6/5/2023

CLAY

JOB NO.

J4S3367

CONTRACT ID.

PROJECT NO.

KC

				PAVEME	NT TREATM	MENT MAI	LINE		
LOG	LOG	LENGTH	LANE	AREA	AREA	TACK	DEPTH	BIT. PVMT.	
MILE	MILE	FT	WIDTH	SF	SY	GAL	VOL	MIX PG-64-22	NOTES
START	END		FT				CY	TONS	
1.989	4.609	13,833.6	21.0	290,505.6	32,278.4	3,227.8	896.6	1,766.3	BEGINNING OF PROJECT
4.589	4.649	316.8	21.0	6,652.8	739.2	73.9	20.5	40.4	BRIDGE
4.649	5.449	4,224.0	21.0	88,704.0	9,856.0	985.6	273.8	539.4	
5.449	5.609	844.8	21.0	17,740.8	1,971.2	197.1	54.8	108.0	BRIDGE
5.609	7.55	10,248.5	30.5	312,579.3	34,731.0	3,473.1	964.8	1,900.7	WIDENING FROM 21' to 40' - AVERAGE 30.5'
5.609	7.61	10,565.3	40.0	422,612.0	46,956.9	4,695.7	1,304.4	2,569.7	END OF PROJECT
·					SUB TOTAL	12,653		6,925	

		STATE EN	TRANCE	S AND SID	E ENTRANCES
LOG	AREA	MODIFIED	TACK	BIT. PVMT.	
MILE	SY	COLDMILLING	GAL	MIX PG-64-22	NOTES
START		SY		TONS	
1.989	0.0	115.0	0.00	0.00	DEPTH TRANSTITIONS
2.029	176.0	0.0	17.6	4.9	N CL NORTH HWY
3.248	48.0	23.8	4.8	1.3	NE 114TH ST
3.507	48.0	55	4.8	1.3	NE 112TH ST
4.069	47.0	47.7	4.7	1.3	NE 108TH ST
4.069	0.0	46.9	0.0	0.0	W NE 108TH ST
5.49	0.0	301	0.0	0.0	NORTH OF FISHING BRIDGE
5.59	0.0	306	0.0	0.0	SOUTH OF FISHING BRIDGE
5.629	37.0	53	3.7	1.0	NE 96TH ST
6.129	40.0	55	4.0	1.1	RIDGE RD
6.229	72.0	39.6	7.2	2.0	NE 90TH STREET
6.24	0.0	92.0	0.0	0.0	NE 90TH STREET/BERNARD ROAD
7.57	35.0	34.7	3.5	1.0	NE 80TH ST
7.61	0.0	115.00	0.0	0.0	DEPTH TRANSTITIONS
_	SUBTOTAL	1,284.7	50.3	13.9	
				692.5	10% IRREGULARITIES
				138.5	2% SAFETY EDGE
	TOTAL	1,285.0	12,704.0	7,769.9	

	REMOVALS OF IMPROVEMENTS					
LOG	LOG	ITEM	UNIT	QUANTITY	NOTES	
MILE	MILE					
START	END					
4.589	4.609	GUARDRAIL	LF	25.0	BR B0238 NW	
4.589	4.609	GUARDRAIL	LF	25.0	BR B0238 NE	
4.629	4.649	GUARDRAIL	LF	25.0	BR B0238 SW	
4.629	4.649	GUARDRAIL	LF	25.0	BR B0238 SE	
5.449	5.49	GUARDRAIL	LF	137.5	BR A8114 NW	
5.469	5.49	GUARDRAIL	LF	25.0	BR A8114 NE	
5.575	5.61	GUARDRAIL	LF	100.0	BR A8114 SW	
5.575	5.61	GUARDRAIL	LF	100.0	BR A8114 SE	
			TOTAL	1 LUMP SUM		

GRAVEL	. TYPE	A OR CRUSH	IED STONE B
LOG	AREA	VOL	TONS
MILE	SY	CY	
2.059	44.6	3.72	5.21
2.19	35.8	2.98	4.17
2.319	54.1	4.51	6.31
2.329	45	3.75	5.25
2.359	15.8	1.32	1.85
2.459	42.7	3.56	4.98
2.509	45.2	3.77	5.28
2.648	58.3	4.86	6.80
2.678	18.8	1.57	2.20
2.788	31.1	2.59	3.63
3.089	64.3	5.36	7.50
3.253	23.8	1.98	2.77
3.507	47.5	3.96	5.54
3.557	27.4	2,28	3,19
3.589	31	2.58	3.61
3.708	39.4	3.28	4.59
3.708	20	1.67	2.34
3.748	26.3	2,19	3.07
3.768	18.6	1.55	2.17
3.77	20	1.67	2.34
3.81	21.3	1.78	2.49
3.989	16.2	1.35	1.89
4.075	53	4.42	6.19
4.579	35	2.92	4.09
4.649	18.2	1.52	2.13
4.859	43.9	3.66	5.12
4.869	30.1	2.51	3.51
5.109	37.5	3.13	4.38
5.169	24.3	2.03	2.84
5.299	24.8	2.07	2.90
5.619	22	1.83	2.56
5.829	19.4	1.62	2.27
6.069	18.8	1.57	2.20
6.089	17	1.42	1.99
6.429	25.2	2.10	2.94
6.62	22.1	1.84	2.58
6.68	33.6	2.80	3.92
6.709	18.8	1.57	2.20
6.81	20.9	1.74	2.44
6.869	26.6	2.22	3.11
6.91	18.3	1.53	2.14
7	44.6	3.72	5.21
7.01	20	1.67	2.34
7.11	28.7	2.39	3.35
7.12 7.13	75.3 19.5	6.28 1.63	8.79 2.28
7.15	17.9	1.49	2.09
7.19	26.9	2.24	3.14
7.53	34.3	2.86	4.00
TOTAL	1524	128	178

CHRSTOPHER
ALAW WEST
NUMBER
PE-2014017034

CHRSTOPHER
ALAW WEST
NUMBER
PE-2014017034

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COUNTY COUNTY CLAY JOB NO. J4S3367 CONTRACT ID. PROJECT NO. BRIDGE NO.

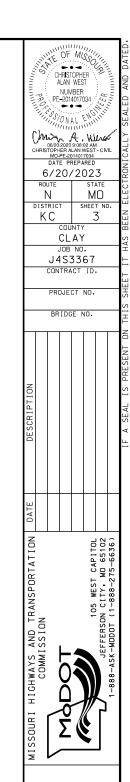
			GUARDRAIL		
	1				
LOG	LOG	MGS CRASHWORTHY	BRIDGE APPROACH	MGS GUARDRAIL	NOTES
MILE	MILE	END TERMINAL (MASH)	TRANSITION (BAT)	LF	
START	END	EACH	EACH		
4.589	4.609	1	1	25.0	BR B0238 NW
4.589	4.609	1	1	25.0	BR B0238 NE
4.629	4.649	1	1	25.0	BR B0238 SW
4.629	4.649	1	1	25.0	BR B0238 SE
5.449	5.49	1	1	137.5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

			MARK INGS			
LOG	LOG	LENGTH	4 " WHITE STANDARD 4" YELLOW STAND			
MILE	MILE	FT	WATERBORNE PAVEMENT	WATERBORNE PAVEMENT		
START	END		MARKING PAINT,	MARKING PAINT		
			TYPE P BEADS	TYPE P BEADS		
			LF	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		

MOB	ILIZ	ATION
1	LUMP	SUM

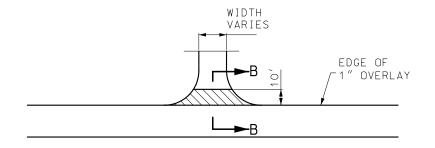
	PERI	MANENT	AGGREGATE	EDGE TREAT	MENT
I	LOG	LOG	LENGTH	AREA	TONS
١	MILE	MILE	FT	CY	
١	START	END			
	1.989	7.61	118,715.5	732.8	1,377.7
				TOTAL	1,378

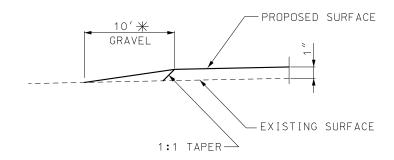
LOG	DIRECTION	LENGTH	WIDTH	REMOVAL FOR	FURNISH/PLACE
MILE				PARTIAL DEPTH REPAIR	CLASS C PARTIAL DEPTH
				SY	TON
0.119	NB	15	2	3.33	0.3
0.182	NB	30	2	6.67	0.7
0.189	NB	20	2	4.44	0.5
1.073	NB	15	2	3.33	0.3
1.08	NB	10	2	2,22	0.2
1.221	NB	20	2	4.44	0.5
1.504	NB	35	2	7.78	0.8
1.558	NB	20	2	4.44	0.5
1.802	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



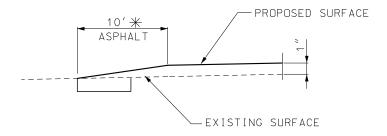
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C17F		TOTAL	QTY TOTAL RELOC				C 1	7F 1 D		TOTAL REL	Y TOTAL					
	AREA QTY			INUM.	DECEDIBLION	cicn				SQ.FT. EAC		/ NUM	1	,,,,,,,	TOTAL	
SIGN IN.	SU.FI EACE				DESCRIPTION	SIGN	11	1. Su.	FI EACH			·	DESCRIPTION	ITEM	1	
WO1_1 40V40	16.00	WARN	IING SIGNS		TURN (SYMBOL LEFT ARROW)	E05-1	36 V	(48 12.	001	GUIDE	51GN5		GORE EXIT	NUMBER 6122008	QTY	DESCRIPTION IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
	16.00				TURN (SYMBOL RIGHT ARROW)	E05-1		(36 12					EXIT OPEN	6122008		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
	16.00				CURVE (SYMBOL LEFT ARROW)	E05-2a		(36 12 ·					EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
	16.00				CURVE (SYMBOL RIGHT ARROW)	G020-1			.00 2	20.00			ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WD1-3L 48X48	16.00				REVERSE TURN (SYMBOL LEFT ARROW)	G020-2	48X	K24 8.	00 2	16.00			END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R 48X48	16.00				REVERSE TURN (SYMBOL RIGHT ARROW)	G020-4	36X	X18 4.	50				PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
	16.00				REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4				35.00			PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
	16.00				REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-4				3.00			PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
	16.00				DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	G020-50 M04-8a	_						WORK ZONE (PLAQUE)	6122030	2	IMPACT ATTENUATOR (RELOCATION) TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
	16.00				DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS) TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-80	_	<18 3. <36 12.					END DETOUR DETOUR (LEFT ARROW)	6123000 <i>A</i> 6161008	2	ADVANCED WARNING RAIL SYSTEM
	16.00				TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R		(36 12					DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)
	12.50				HORIZONTAL ARROW (SYMBOL)	MO4-9P	_	X12 4.					STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
	18.00				HORIZ: ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L							DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
	12.50				DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10F							DETOUR (ARROW RIGHT)	6161025	168	CHANNELIZER (TRIM LINE)
WO1-7a 72X36	18.00				DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)			•	· ·	REGULATOR	RY SIGNS	5		6161030		TYPE III MOVEABLE BARRICADE
	3.00				CHEVRON (SYMBOL)	R1-1		(48 13.					STOP	6161033		DIRECTION INDICATOR BARRICADE
	7.50	1			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2		RI. 6.					YIELD	6161040		FLASHING ARROW PANEL
	16.00				STOP AHEAD (SYMBOL)	R1-2a		(36 9.				1	TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER
	16.00				YIELD AHEAD (SYMBOL)	R1-3P		X12 2.				1	ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT
	16.00	70.00			SIGNAL AHEAD (SYMBOL)	R2-1		(48 12.				1	SPEED LIMIT XX	6161070		TUBULAR MARKER
		32.00			BE PREPARED TO STOP	R3-1		X48 16. X48 16.		 		1	NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
	16.00 4	04.00			SPEED LIMIT AHEAD MERGE (SYMBOL FROM LEFT)	R3-2 R3-3		(36 9.		+ + -		1	NO LEFT TURN (SYMBOL) NO TURNS	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
	16.00				MERGE (SYMBOL FROM RIGHT)	R3-4		(36 9. (48 16.		+		1	NO U-TURN (SYMBOL)	1 0101036		CHANGEABLE MESSAGE SIGN W/O COMM.
	16.00	+			MERGE (ARROW SYMBOL)	R3-7L		(30 6.				1	LEFT LANE MUST TURN LEFT	6161098	,	INTERFACE, CONTRACTOR FURNISHED/RETAINED
	16.00				MERGE (ARROW SYMBOL)	R3-7R		(30 6.				1	RIGHT LANE MUST TURN RIGHT	1	2	CHANGEABLE MESSAGE SIGN WITH COMM.
	16.00				ROAD/BRIDGE/RAMP NARROWS	R4-1		X48 12.					DO NOT PASS	6161099		INTERFACE, CONTRACTOR FURNISHED/RETAINED
	16.00				ONE LANE BRIDGE	R4-2		X48 12.					PASS WITH CARE	61620004		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-5 48X48	16.00				NARROW LANES	R4-8a		<48 12.					KEEP LEFT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
WO6-1 48X48	16.00				DIVIDED HIGHWAY (SYMBOL)	R4-7a		K48 12.					KEEP RIGHT (HORIZONTAL ARROW)	6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS
	16.00				DIVIDED HIGHWAY END (SYMBOL)	R5-1		(30 6.					DO NOT ENTER]]		TEMPORARY TRAFFIC BARRIER
	16.00				TWO WAY TRAFFIC (SYMBOL)	R5-1a		K24 6.					WRONG WAY	6173600D		CONTRACTOR FURNISHED/RETAINED
-	5.00				NEXT XX MILES (PLAQUE)	R6-1L		K18 6.					ONE WAY ARROW (LEFT)			TEMPORARY TRAFFIC BARRIER
-	16.00				BUMP	R6-1R		(18 6.					ONE WAY ARROW (RIGHT)	6173602E		CONTRACTOR FURNISHED/COMMISSION RETAINED
	16.00				DIP	R6-2L		(30 5. (30 5.					ONE WAY (LEFT)	61740004		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
	16.00				PAVEMENT ENDS SOFT SHOULDER	R6-2R R9-9		(12 2.					ONE WAY (RIGHT) SIDEWALK CLOSED	61750104	1	RELOCATING TEMPORARY TRAFFIC BARRIER TEMPORARY TRAFFIC BARRIER
-	16.00				SLIPPERY WHEN WET (SYMBOL)	1 1 3 - 3	247	112 2.	.00				SIDEWALK CLOSED AHEAD,	6176000E		COMMISSION FURNISHED/RETAINED
-	16.00				TRUCK CROSSING (WITH FLAGS)	R9-11L	24 X	x18 3.	00				(ARROW LEFT) CROSS HERE	01100002	1	TEMP, TRAFFIC BARRIER HEIGHT TRANSITION
L	16.00				TRUCK ENTRANCE	1113 112	- 17	110 01					SIDEWALK CLOSED AHEAD,	6177000E	3	COMMISSION FURNISHED/RETAINED
L	9.00				LOOSE GRAVEL	R9-11R	24X	к18 З.	.00				(ARROW RIGHT) CROSS HERE	6208064	+	TEMPORARY RAISED PAVEMENT MARKER
	9.00				FRESH OIL/LOOSE GRAVEL	R10-6	24X	<36 6.	.00				STOP HERE ON RED (45° ARROW)	9029400		TEMPORARY TRAFFIC SIGNALS
WO8-9 48X48	16.00				LOW SHOULDER	R11-2	48X	(30 10.	.00				ROAD CLOSED	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
WO8-11 48X48	16.00 6	96.00			UNEVEN LANES								ROAD CLOSED XX MILES AHEAD			
	16.00 6	96.00			NO CENTER LINE	R11-3a							LOCAL TRAFFIC ONLY			
WO8-15 48X48					GROOVED PAVEMENT	R11-4		(30 12.					ROAD CLOSED TO THRU TRAFFIC			
W08-15P 30X24					MOTORCYCLE (PLAQUE)	CONST-3							FINE SIGN	l		
	16.00				SHOULDER DROP-OFF (SYMBOL)	CONST-3	3X 56X	X12 4.		I COEL LANIE	0110 010	NC	SPEEDING/PASSING (PLATE)			
W08-17P 30X24		+			SHOULDER DROP-OFF (PLAQUE)	CONCT /	100	/70 140		ISCELLANE	<u>uus SIG</u>	<u>N5</u>	DOINT OF DESCRIPT	-		
W10-1 42RND. W012-1 24X24					RAILROAD CROSSING DOUBLE DOWN ARROW (SYMBOL)	CONST-5						1	POINT OF PRESENCE POINT OF PRESENCE	1		
W012-1 24X24 W012-2 48X48		+			LOW CLEARANCE (SYMBOL)	-			00 2	16.00			RATE OUR WORK ZONE	-		
W012-2X 24X18		+			LOW CLEARANCE (STMBUL)	CONST-				10.00			RATE OUR WORK ZONE			
W012-2d 84X24		+			OVERHEAD LOW CLEARANCE (FEET AND INCHES)	4 			.00 2	24.00			WORK ZONE NO PHONE ZONE	-		
W012-4 120X60					LOW CLEARANCE XX FT XX IN XX MILES AHEAD	1	1.0%						Zone no mone Zone			
W012-5 120X60					WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD									1		
W013-1 30X30					ADVISORY SPEED (PLAQUE)	1								1		
W016-2 30X24					XXX FEET (PLAQUE)]		
	5.00				X MILE (PLAQUE)]		
	16.00 6	96.00			ROAD/BRIDGE/RAMP WORK AHEAD											
-	16.00				DETOUR AHEAD	 	_					1				
	16.00	0.4.55			ROAD CLOSED AHEAD	1				TOTAL		1		J		
	16.00 4	64.00			ONE LANE ROAD AHEAD	616-1			CICNC	TOTAL						
	16.00				RIGHT/CENTER/LEFT LANES CLOSED AHEAD				SIGNS	626	TOTAL	-				
W020-5a 48X48					2 RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-1			NC		TOTAL	-				
W020-6a 48X48 W020-7a 48X48		64.00			RIGHT/CENTER/LEFT LANE CLOSED FLAGGER (SYMBOL, WITH FLAGS)	RELOC	AILD	, <u>516</u>	112		0	L				
W020-70 48X48 W021-2 36X36		104.00			FRESH OIL	1										
	16.00				SHOULDER WORK AHEAD	1										
	16.00	1			BLASTING ZONE AHEAD	1										SUMMARY OF QUANTITIES
					TURN OFF 2-WAY RADIO AND PHONE	1										
W022-2 42X36				_		1										SHEET 3 OF 3
W022-2 42X36 W022-3 42X36					END BLASTING ZONE											SHEET 5 OF 5

I D	ED.	ED ED			/AA)))))))	022
SSOURI HIGHWAYS AND TRANSPORTATION	J DATE	DESCRIPTION			[THIIIIIIIII .	
COMMISSION					K	RO	The BOULD	'II,
				J 4 con	C	UTE	PE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
MODOT			OJE IDO	ITRA	COL	2023 HER A PE-2 E P	HRIS ALAN NUN -201	OF
				33 кст	INTY	REP/	FOPH WES 4017 A L	Ш. М/
105 WEST CAPITOL				6 ID	HEE	ST	ER 37 034	11111 SS-
JEFFERSON CITY, MO 65102							II WEED W	1/1/2
1-888-ASK-MODOT (1-888-275-6636)					0.	/IL	MANAGEMENT A	
		IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.	N THIS SH	HEET IT HAS	BEEN EL	ECTRONICALL	Y SEALED AND DA	ATED.



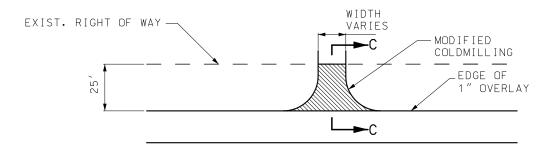


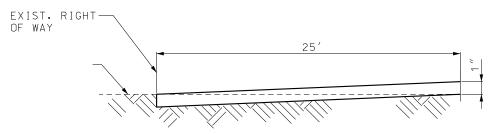
SECTION B-B
TYPICAL GRAVEL ENTRANCE
(FIELD OR PRIVATE ROAD)
**TAPER AT 1:1 FOR FIELD ENTRANCE



SECTION B-B

TYPICAL ASPHALT ENTRANCE
(FIELD OR PRIVATE ROAD)
**TAPER AT 1:1 FOR FIELD ENTRANCE

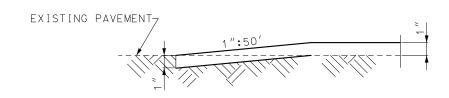




SECTION C-C

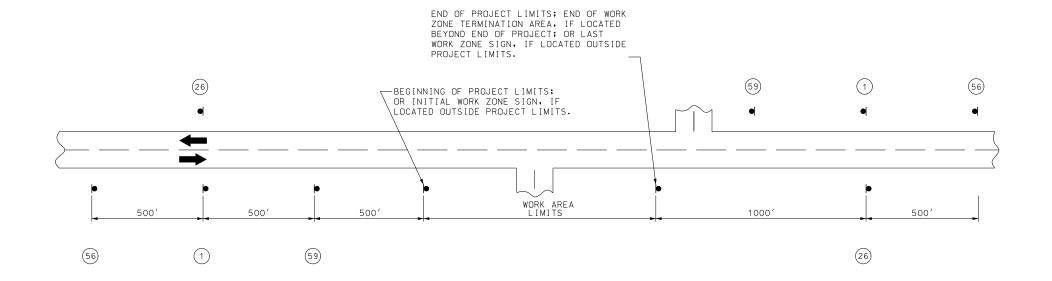
TYPICAL ASPHALT FOR
CITY OR COUNTY ROAD

*APPLY 25' TO ASPHALT ENTERANCES
114TH STREET AND 96TH STREET.



TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AND EXCEPTIONS

HIGHWAYS AND TRANSPORTATION COMMISSION COMMISSION CONTY CCT A A CONTY CCT A JOB NO. JAS3392 CONTRACT ID. BRIDGE NO. BRIDGE NO. BRIDGE NO. 105 WEST CAPITOL LOS WEST CAPITOL BRIDGE NO. BRIDGE NO. 106 MEST CAPITOL 107 MEFERSON CITY. MO 65102 108 MEST CAPITOL 108 MEST CAPITOL 108 MEST CAPITOL 109 MEST CAPITOL 109 MEST CAPITOL 109 MEST CAPITOL 100 MEST CAP
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NOTES:

SIGN (1) AND (26) ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

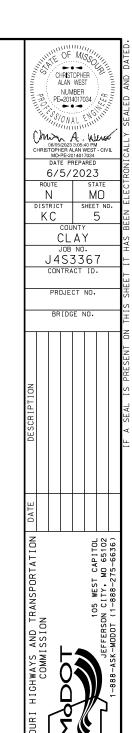
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



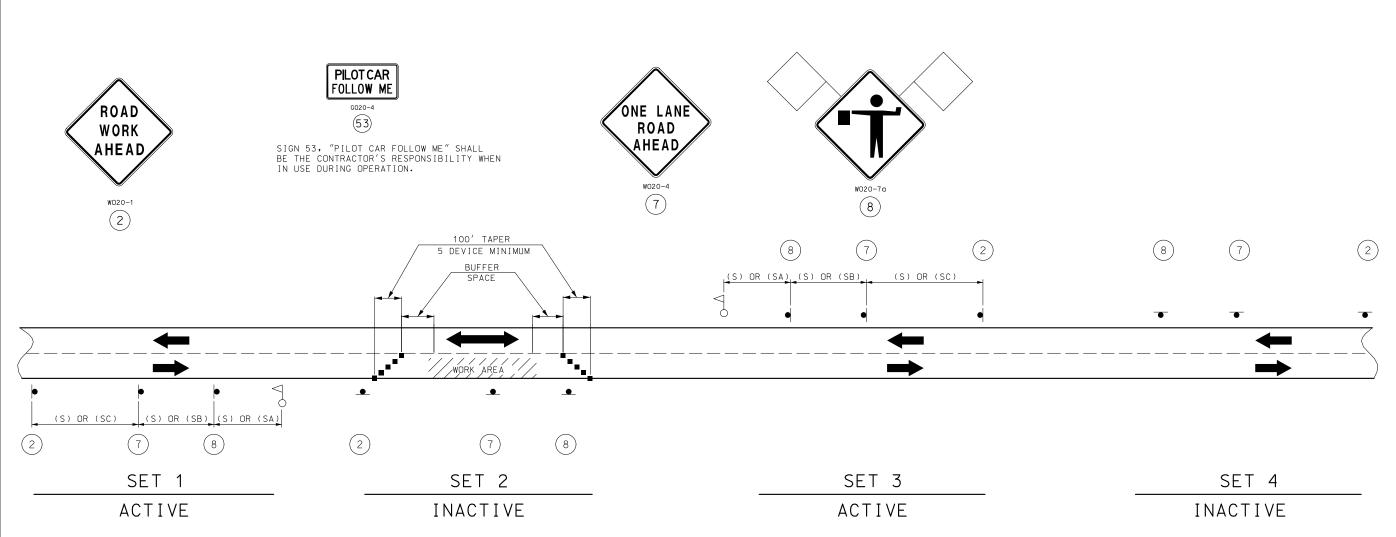








TRAFFIC CONTROL SHEET 1 OF 4



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 SPAC	
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

NOTES:

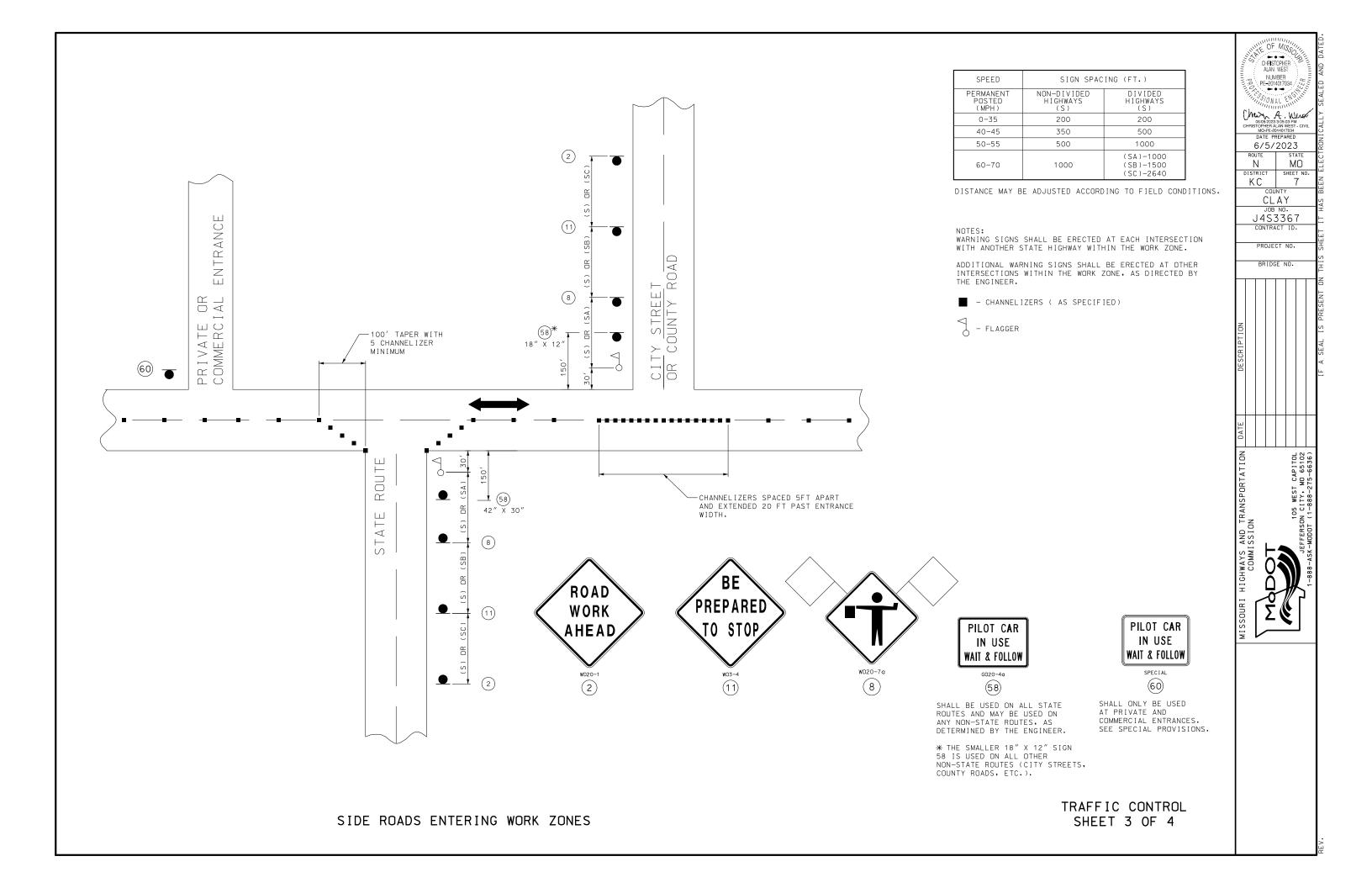
(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED

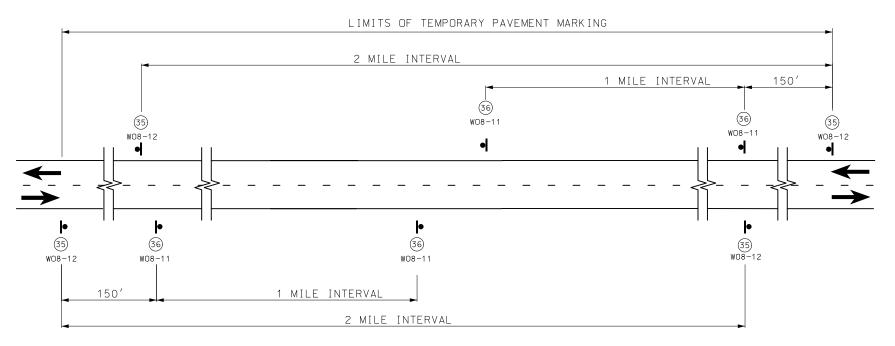
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

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

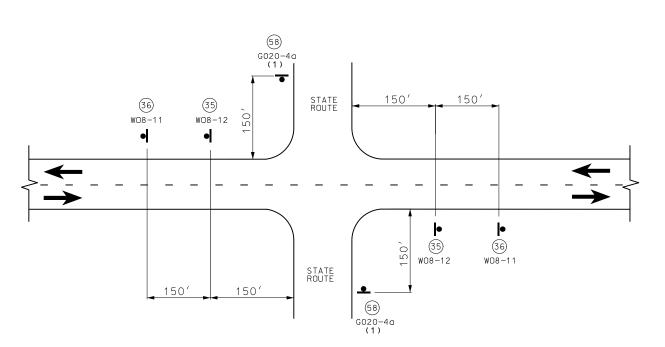
CHRISTOPHER ALAN WEST NUMBER PE-2014017034 THE SOUNAL ENGINEER (Mix A. Weres 6/5/2023 Ν MO SHEET NO. DISTRICT KC 6 CLAY J4S3367 CONTRACT ID. PROJECT NO. BRIDGE NO.

TRAFFIC CONTROL SHEET 2 OF 4





SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE

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





NOTES:

PILOT CAR

IN USE Wait & Follow

G020-4a

(58)

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.

TRAFFIC CONTROL SHEET 4 OF 4

CMX A. Wing 06.05/2023 30-402 PM CHRISTOPHER ALAN WEST - CI MO-PE-2014017034 DATE PREPARED 6/5/2023 Ν MΩ SHEET NO KC 8 CLAY J4S3367 CONTRACT ID. PROJECT NO. BRIDGE NO.

CHRISTOPHER ALAN WEST NUMBER

NOT TO SCALE

DESIGN DESIGNATION

A.A.D.T - 2022 = 5868V = 45 M.P.H DESIGN YEAR (2024)

NO RIGHT-OF-WAY

CONVENTIONAL SYMBOLS

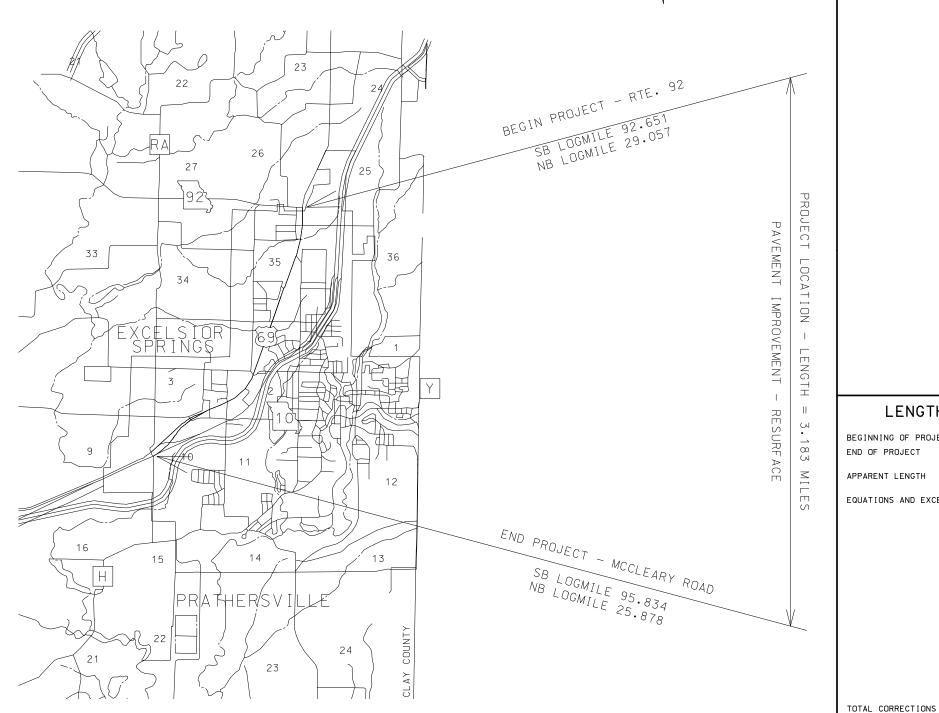
EXISTING NEW BUILDINGS AND STRUCTURES GUARD RAIL CONCRETE RIGHT-OF-WAY MARKER 00000 STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER 0 UTILITIES FIBER OPTICS OVERHEAD TELEPHONE -FO--F0-—O— —T— —D— —P— —G— **→** UNDERGROUND TELEPHONE OVERHEAD POWER _ UNDERGROUND POWER WATER MANHOLE FIRE HYDRANT WATER VALVE WATER METER DROP INLET DITCH BLOCK = GROUND MOUNTED SIGN LIGHT POLE H-FRAME POWER POLE TELEPHONE PEDESTAL Δ FENCE CHAIN LINK WOVEN WIRE GATE POST \boxtimes BENCHMARK BM \otimes

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

CLAY COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (4 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
SPECIAL SHEETS (SS) (2 SHEETS)	4-5
TRAFFIC CONTROL SHEETS (TC)	6-13

PE-2022001607 ORAL EMPLOYMENT OF THE PROPERTY								ECTRONICALLY SEALER
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		CON	ITR <i>A</i>	CT	ID	•		THEFT
		PR	OJE	СТ	NO.			v
BRIDGE NO.								I H I NO
z								C DRESENT

SEAN M DOMINGO

NUMBER

LENGTH OF PROJECT

BEGINNING OF PROJECT SB LOG MILE 92.651 END OF PROJECT SB LOG MILE 95.834 3.183 MILES APPARENT LENGTH

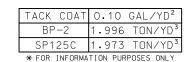
EQUATIONS AND EXCEPTIONS:

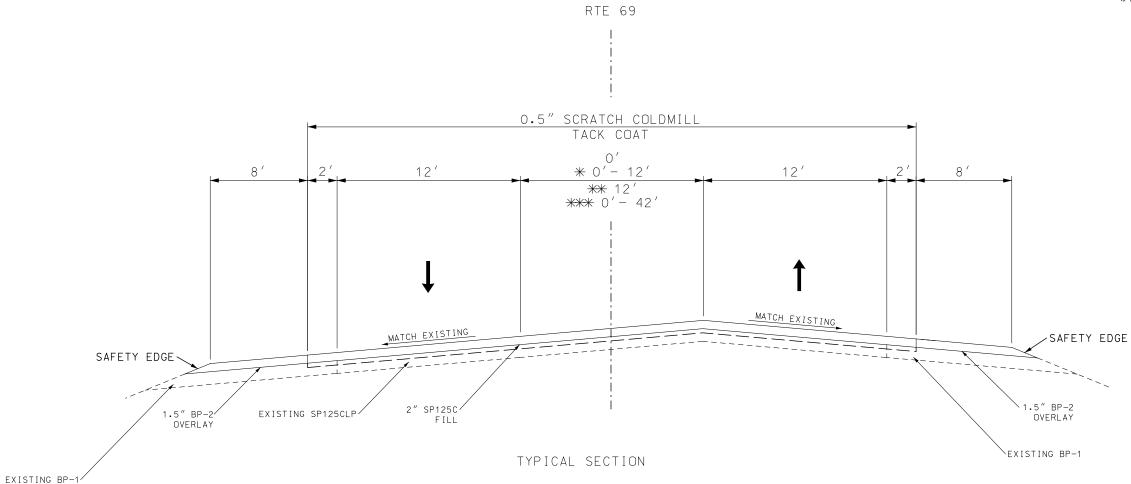
NET LENGTH OF PROJECT

STATE LENGTH

NOT TO SCALE

0.000 MILES 3.183 MILES 3.183 MILES





** 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 SEAN M.
DOMNOS

NUMBER
PE-2022001807

DATE PREPARED

8 / 30 / 20 23

ROUTE STATE
69 MO
DISTRICT SHEET NO.
KC 2

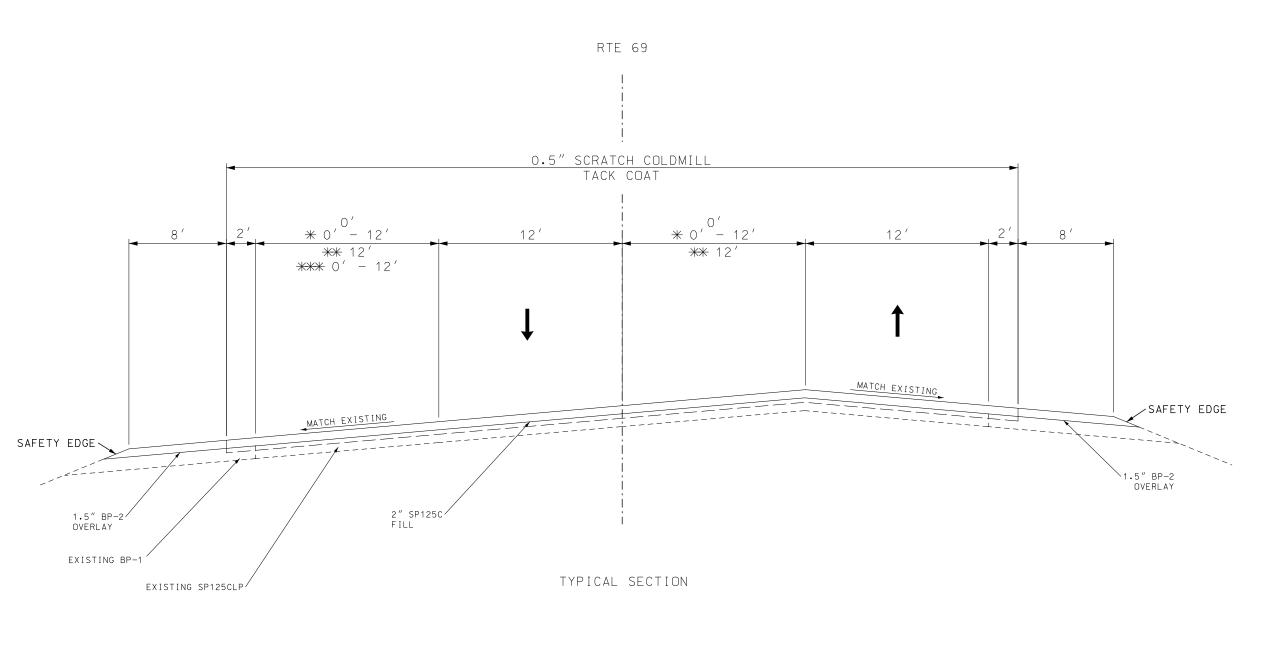
COUNTY
CLAY
JOB NO.
J 453413
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

NOT TO SCALE

TYPICAL SECTION SHEET 1 OF 4



** 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

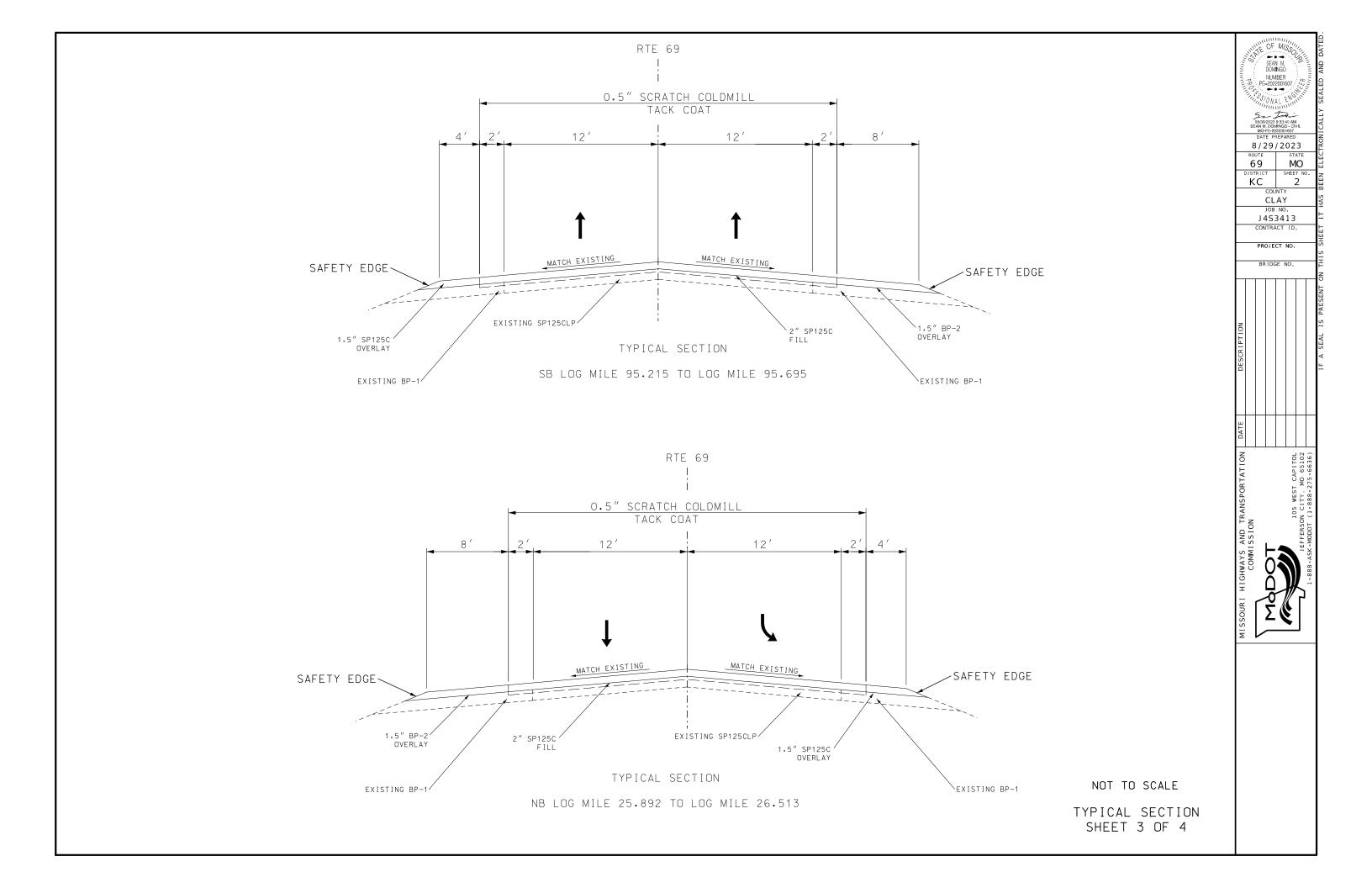
** SB LOG MILE 93.101 TO LOG MILE 93.151

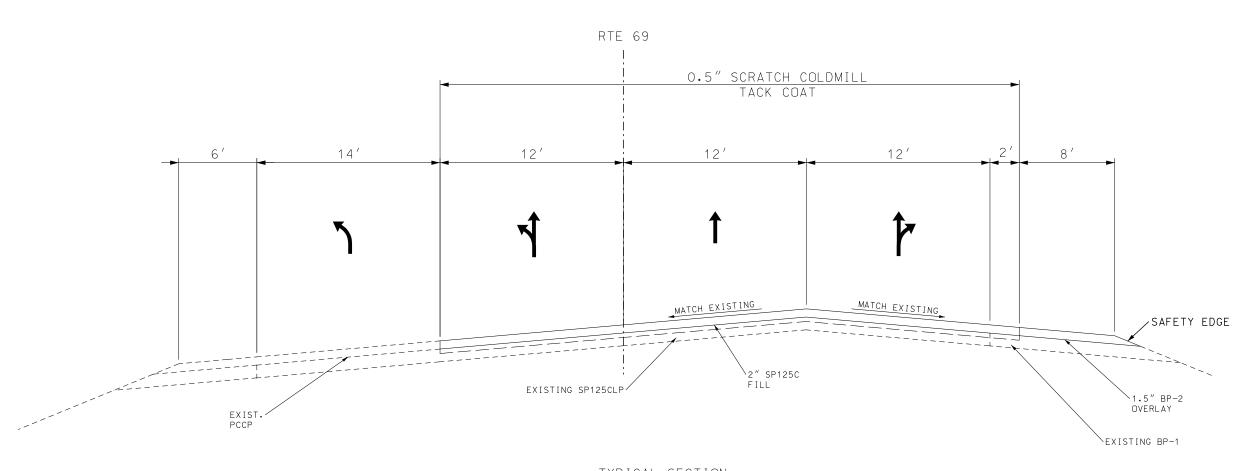
** SB LOG MILE 93.311 TO LOG MILE 93.351

NOT TO SCALE

TYPICAL SECTION SHEET 2 OF 4

8/29/2023 69 KC CLAY JOB NO.
J4S3413
CONTRACT ID. PROJECT NO.





TYPICAL SECTION

SB LOG MILE 95.695 TO LOG MILE 95.834

NOT TO SCALE

TYPICAL SECTION SHEET 4 OF 4

	THIIIIIIIIIIII	2	DAT	202 0 N 7111 2023 1 DON PE-20	AL 9:35: MINGO REPA	30 AN 07 - CI 1607 1RED	3	WWIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	ROUTE STATE MO							
	KC SHEET NO.							٥.
ı	COUNTY							
I	JOB NO. J4S3413 CONTRACT ID.							
I							•	
				DIE				
			BR	IDO	E 1	VO.		
	DESCRIPTION							
	DATE							
	URI HIGHWAYS AND TRANSPORTATION	COMMISSION		19DOT		105 WEST CAPITOL	JEFFERSON CITY, MO 65102	1-888-ASK-MODOT (1-888-275-6636)

						А	SPHALT QUANTITIES				
LOG	LOG	LENGTH	WIDTH	SHOULDER	SHOULDER	2" ASPHALTIC CONCRETE MIXTURE	1.5" BITUMINOUS PAVEMENT	TACK	0.5" SCRATCH	MODIFIED	NOTES
MILE	MILE	(FT)	(FT)	WIDTH LEFT	WIDTH RIGHT	MIXTURE PG70-22 (SP 125C MIX)	PG64-22 (BP-2)	COAT	COLD MILLING	COLD MILLING	
START	END			(FT)	(FT)	(TONS)	(TONS)	(GAL)	(SY)	(SY)	
						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	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		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		USE RAPID PENETRATING EMULSION FOR UNCONFINED JOINTS
95.215	95.695	2534.4	28	* 4	8	864.3	187.4	1126.4		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				
	26.499		26	8	* 4	1287.7	355.3	1352.7	13527.5	0	* SHOULDERS 4' OR LESS USE MAINLINE PAVEMENT
26.499	26.513		26	8	* 4	15.1	4.2	31.7	0	316.7	PROJECT END
		1% FI	OR SAFE	TY EDGE		83.1	35.5				
						SIDE RO	DADS, ENTRANCES, AND RAMPS				
LOCA	TION	LOG		AREA		2" ASPHALTIC CONCRETE MIXTURE	1.5" BITUMINOUS PAVEMENT	TACK	0.5" SCRATCH	MODIFIED	NOTES
		MILE		(SY)		MIXTURE PG70-22 (SP 125C MIX)	PG64-22 (BP-2)	COAT	COLD MILLING	COLD MILLING	
						(TONS)	(TONS)	(GAL)	(SY)	(SY)	
PRIVATE	DRIVE	92,691		86.55		0	7.20	8.7	86.6	0	RIGHT
CEKI		92.831		75.42		0	6.27	7.5	75.4	0	RIGHT
ITALIA		92.831		579.99		63.57	0	58.0	0	580.0	LEFT
JILL		92.992		95.19		0	7.92	9.5	0	95.2	RIGHT
RAINBOW		92.153		426.57		0	35.48	42.7	0	426.6	
RAINBOW		92.153		706.25		77.41	14.48	88.0	0	706.3	174.07 SY OF SHOULDER PAVEMENT
ROSE		93.313		210.8		0	17.53	21.1	0	210.8	
PRIVATE		93.313		150.08		0	12.48	15.0	150.1	0	RIGHT
REA		93.512		197.76		0	16.45	19.8	0	197.8	
TRACY		93.873		162.88		0	13.55	16.3	0	162.9	
TRACY		93.873		280.96		0	23.37	28.1	0	281.0	
	L RD W			294.19		0	24.47	29.4	0	294.2	
	L RD E	94.545		251.15		0	20.89	25.1	0	251.2	DIOUT
SIOUA		94.636		91.12		0	7.58	9.1	0	91.1	RIGHT
JUNIP		94.636		141.83		0	11.80	14.2	0	141.8	LEFT
CROWN HI		94.879		301.03		0	25.04	30.1	0	301.0	RIGHT
	LL RD S	94.879		890.34		0	74.05	89.0	0	890.3	LEFT
SCHWAR		95.058		207.64		0	17.27	20.8	0	207.6	RIGHT
KEARN		95.300		553.01		0 87.06	45.99 85.83	55.3	0	553.0	1032.07 SY OF SHOULDER PAVEMENT
S JESSE	JAMES RD		<u> </u> 10% □□□	1826.36		87.06		182.6	1253.2	573.2	1032.01 ST UF SHUULDER PAVEMENT
			10% BUF				357.8	10010	102049	6060	
L			TOTAL			9421.0	4403.7	10819	102048	6868	

					OV	ERMILL ASPHALT QUANTIT	IES			
LOG	LOG	LENGTH	WIDTH	SHOULDER	2" ASPHALTIC CONCRETE MIXTURE	1.5" BITUMINOUS PAVEMENT	TACK	0.5" SCRATCH	COLDMILLING	NOTES
MILE	MILE	(FT)	(FT)	WIDTHS	MIXTURE PG70-22 (SP 125C MIX)	PG64-22 (BP-2)	COAT	COLDMILLING	FOR OVERMILL	
START	END			(FT)	(TONS)	(TONS)	(GAL)	(SY)	(SY)	
						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	
		TOTA	\L		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

HWAYS AND TRANSPORTATION	DATE	DESCRIPTION							-				HIIII	11111	
COMMISSION			ı				K		RO	Si	er.		PRO		, ji
			ВР	PR			C	9 RIC	UTE	MO- DAT	5 08/30	88	PE	Y/C	,,,,,,,
_ ⊢0			IDO	OJE	1S	CL JOB	COL	Т		PE-2		ON	NUN -202	SEA	OF
			SE I	СТ	34	NC		9	, <u>2</u>		to	A L	1BEF 2001	• •	M/
105 WEST CAPITOL			vo.	NO.		٠.		N HEE		09 AM O - CI 1607 ARED	09 AM	ENG	, 8 607 _. .		1111, SS
JEFFERSON CITY, MO 65102			ı				3_		ATE		4	This is	EFB.	10	1/1/2
188-ASK-MODOT (1-888-275-6636)								٥.					HIIIIII,		

	RAPID	PENE1	TRATING	EMULSION
LOG	LOG	LENGTH	AREA	RAPID PENETRATING
MILE	MILE	(FT)	SPRAYED	EMULSION
START	END		(SY)	(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
	Τ(OTAL		330

HALF-WID	TH VOID-RE	EDUCING AS	PHALT MEMBRANE
LOG	LOG	LENGTH	TOTAL LENGTH
MILE	MILE	(FT)	OF MEMBRANES
START	END		(FT)
	SI	OUTHBOUND	
	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

		GUARDRA I	L
LOCATION	LOG		COMPONENTS
	MILE	TYPE A CRASHWORTHY	MGS BRIDGE APPROACH
		END TERMINAL (MASH)	TRANSITION (THRIE-BEAM BRIDGE)
		(EACH)	(EACH)
		NORTHBOUND	
RTE 69 N LEFT	26.100	1	1
RTE 69 N RIGHT	20:100	1	1
TOTAL		2	2

		REMOVAL OF IMPR	OVEMENTS			
		GUARDRAIL	-			
LOCATION	LOG		COMPONENTS			
	MILE	TYPE A CRASHWORTHY	MGS BRIDGE APPROACH			
		END TERMINAL (MASH)	TRANSITION (THREE-BEAM BRIDGE)			
		(EACH)	(EACH)			
		NORTHBOUND				
RTE 69 N LEFT	26,100	1	1			
RTE 69 N RIGHT	20.100	1	1			
TOTAL			1 LUMP SUM			

		L	OOP DETE	CTORS				
LOCATION	LOGMILE	LANE	* SAW CUT	1 C 14 AWG		NC	TE	S
			(LF)	CABLE IN DUCT				
				(FT)				
			SOUTHBOL					
US 69 S	93,877	RIGHT	50	140	BUX	ΙN	NIW	CORNER
] 33.011	LEFT	166	490	BOX	111	1111	COMMEN
US 69 N	93,897	RIGHT	71	223	BOX	ΙN	SW	CORNER
	33.031	LEFT	158	457	DOX		J ,,	OOMINEM
TRACEY AVE E	93.887	THROUGH	128	337	вох	ΙN	NE	CORNER
US 69 S	94.456	LEFT	81	267	BOX			CORNER
		RIGHT	135	366				
US 69 N	94.476	LEFT	47	131	вох	ΙN	SE	CORNER
		RIGHT	167	493				
WORNALL RD W	94.466	THROUGH	130	348	вох	ΙN	NE	CORNER
US 69 S	94.861	RIGHT	75	243	вох	ΙN	NE	CORNER
		LEFT	144	401				
US 69 N	94.882	RIGHT	52	148	вох	ΙN	SW	CORNER
		LEFT	168	498				
CROWN HILL E	94.871	RIGHT	139	381	BOX	ΙN	NW	CORNER
		LEFT	183	557				
CROWN HILL W	94.871	RIGHT	68	199	ВОХ	ΙN	SE	CORNER
		LEFT	156	448				
T	OTAL		836	** 1920				

* NO DIRECT PAY FOR SAW CUTS RELATED TO DETECTOR LOOPS

*** ROUNDED UP TO FACTOR OF 10'

98/30/203

B/30/203 10:14:27 AM
SEAN M. DOMINGO - CIVIL
MO-PE-202201607

DATE PREPARED

8/30/203

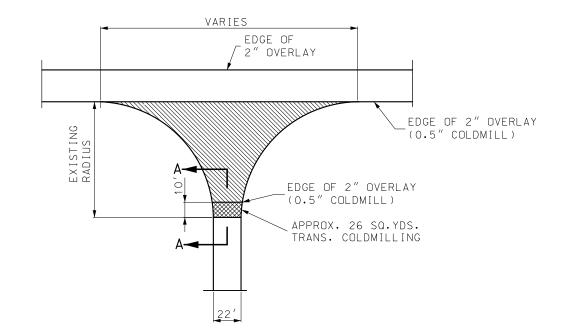
BOLITE STATE STATE MO
SHEET NO. ROUTE 69 DISTRICT KC COUNTY JOB NO.
J4S3413
CONTRACT ID. PROJECT NO.

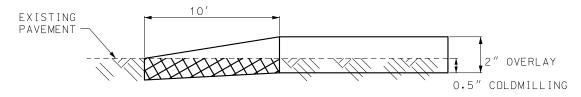
				PERMA	NENT PAVEMENT MA	RK I NG		
LOG	LOG	LENGTH	6" WHITE STANDARD	6" YELLOW STANDARD	24" WHITE STANDARD	24" YELLOW STANDARD	PREFORMED	PREFORMED
MILE	MILE	(FT)	WATERBORNE PAVEMENT	WATERBORNE PAVEMENT	WATERBORNE PAVEMENT	WATERBORNE PAVEMENT	THERMOPLASTIC	THERMOPLASTIC PAVEMENT
START	END		MARKING PAINT,	MARKING PAINT,	MARKING PAINT,		PAVEMENT MARKING,	MARKING, COMBINATION
			TYPE L BEADS	TYPE L BEADS	TYPE P BEADS	TYPE P BEADS	LEFT/RIGHT ARROW	STR/LT/RT
			(LF)	(LF)	(LF) SOUTHBOUND	(LF)	(EACH)	(EACH)
92.651	92.691	211.2	633.6	422.4	0 0	116.8	2 LEFT	0
92.691	92.771	422.4	844.8	1689.6	0	0	0	0
92.771	92.775	20.0	40.0	40.0	0	0	0	0
92.775	92.813	201.2	603.6	402.4	0	0	2 LEFT	0
92.813	92.831	95.6	95.6	0.0	0	0	0 2 LEFT, 1 RIGHT	0
92.831	92.872	216.5 30.0	865.9 90.0	433.0 60.0	0	0	2 LEFT, I RIGHT	0
92.878	92.992	603.6	1207.2	2414.4	0	68.8	0	0
92.992	93.033	216.5	433.0	433.0	0	0	0	0
93.033	93.113	422.4	844.8	1689.6	0	51.3	0	0
93.113	93.137	125.6	376.8	251.2	24.0	0	0	0
93.157	93.193 93.274	191.2 427.7	573.6 855.4	382.4 1710.7	24.0	0 105.7	1 LEFT O	0
93.193	93.314	210.9	632.8	421.8	0	0	2 LEFT	0
93.314	93.318	20.0	20.0	0.0	0	0	0	0
93.318	93.334	85.9	257.6	343.5	0	70.6	1 LEFT	0
93.334	93.413	417.1	834.2	1668.5	0	0	0	0
93.413	93.694	1483.7	2967.4	370.9	0	0	0	0
93.694	93.696 93.813	10.0	20.0 1236.6	20.0 2473.3	0	0 92.3	0	0
93.813	93.873	316.8	1119.7	633.6	24.0	92.3	2 LEFT	0
93.894	93.954	316.8	950.4	633.6	24.0	0	2 LEFT	0
93.954	94.093	733.9	1467.8	2935.7	0	152.4	0	0
94.093	94.234	744.2	1488.4	186.1	0	0	0	0
94.234	94.273	206.2	412.4	412.4	0	0	0	0
94.273	94.374	533.3	1066.6	2133.1	0	102.0	0	0
94.374	94.454	422.4 322.1	946.8 966.2	1267.2 644.2	24.0 24.0	0	2 LEFT 2 LEFT	0
94.535	94.657	644.2	1288.3	2576.6	0	116.7	0	0
94.657	94.695	200.9	401.8	401.8	0	0	0	0
94.695	94.797	538.3	1076.6	2153.1	0	98.0	0	0
94.797	94.858	322.1	966.2	644.2	24.0	0	3 LEFT	0
94.879	94.918	205.9	617.8	411.8	24.0	0	1 LEFT	0
94.918	94.999	427.7 633.6	1710.7 1267.2	855.4 1267.2	0	49.4	0	0
95.119	95.219	528.0	1056.0	2112.0	0	422.2	0	0
95.219	95.699	2534.4	3168.0	2534.4	0	0	0	0
95.699	95.719	105.3	131.7	105.3	341.1	0	0	0
95.719	95.779	317.1	554.9	317.1	0	0	0	0
95.779	95.834	290.4	1161.6	290.4	0	0	2 LEFT	2 LEFT, 2 RIGHT
LOCA	TION	LOG	6" WHITE STANDARD	6" YELLOW STANDARD	OADS, ENTRANCES, AND	24" YELLOW STANDARD	PREFORMED	PREFORMED
LUCA	1101	MILE	WATERBORNE PAVEMENT	WATERBORNE PAVEMENT		WATERBORNE PAVEMENT	THERMOPLASTIC	THERMOPLASTIC PAVEMENT
			MARKING PAINT,	MARKING PAINT,	MARKING PAINT,	MARKING PAINT,	PAVEMENT MARKING	MARKING, COMBINATION
			TYPE L BEADS	TYPE L BEADS	TYPE P BEADS	TYPE P BEADS	LEFT/RIGHT ARROW	STR/LT/RT
			(LF)	(LF)	(LF)	(LF)	(EACH)	(EACH)
ITALIA		92.831	55.9	111.8	40.0	0	1 RIGHT	0
	BLVD W BLVD E	92.153 92.153	38.4 395.9	50.3 137.9	36.0 24.0	0	1 LEFT 1 LEFT	1 RIGHT O
TRACY		93.873	292.9	111.4	12.0	0	0	0
TRACY		93.873	0	98.3	12.0	0	0	0
WORNAL	L RD W	94.454	90.8	137.3	12.0	0	1 LEFT	0
WORNAL		94.545	0	0	12.0	0	0	0
	ILL RD N		0	87.2	12.0	0	0	0
		94.879	401.4	135.0	24.0	0	1 LEFT	0
RTE	AMES RD	95.201 95.699	3488.6 1365.3	3127.5 1365.5	436.3	152.2	1 LEFT O	0
TO		20.023	41088	43104	1153	1598	31	5
			11000	10101	1133	, 1000	<u> </u>	

SSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION							THITITITIAN	
COMMISSION						K	ROI 6		S BONIN	1111
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Modol				ITR/	JOB			PE-20 E PI	NUM -202 	OF
			GE 1		AY NO 34	NTY		2200 REP#	N M. INGO IBER 20016	Ш,, М,
105 WEST CAPITOL				ID		HEE	ST.		507 5110 11111	111,1 SSO
JEFFERSON CITY, MO 65102						3	О		11/1/EEB 14	1/2
1-888-ASK-MODOT (1-888-275-6636)									WINDHIN THE	,

SIGN	SIZE	AREA	QTY	TOTAL AREA	QTY RELOC DESCRIPTION AREA	SIGN	SIZE	AREA	QTY		TOTAL RELOC DESCRIPTION AREA		
	'	'			WARNING SIGNS	W020-5a	48X48	16.00			2 RIGHT/CENTER/LEFT LANES CLOSED		
WO1-1L	48X48				TURN (SYMBOL LEFT ARROW)				ļ.,		AHEAD		
WO1-1R	48X48				TURN (SYMBOL RIGHT ARROW)	W020-6a	48X48	16.00			RIGHT/CENTER/LEFT LANE CLOSED		
W01-2L	48X48				CURVE (SYMBOL LEFT ARROW)	W020-7a W021-2	48X48 36X36	9.00		128	FLAGGER (SYMBOL) WITH FLAGS FRESH OIL		
WO1-2R WO1-3L	48X48 48X48				CURVE (SYMBOL RIGHT ARROW) REVERSE TURN (SYMBOL LEFT ARROW)	W021-5b	48X48	16.00		64	SHOULDER WORK AHEAD		
WO1-3L WO1-3R	48X48				REVERSE TURN (SYMBOL RIGHT ARROW)	W022-1	48X48	16.00		01	BLASTING ZONE AHEAD		T-0-T-11
W01-4L	48X48				REVERSE CURVE (SYMBOL LEFT ARROW)	W022-2	42X36	10.50			TURN OFF 2-WAY RADIO AND PHONE	I TEM NUMBER	TOTAL DESCRIPTION
W01-4R	48X48				REVERSE CURVE (SYMBOL RIGHT ARROW)	W022-3	42X36	10.50			END BLASTING ZONE		
WO1-4bL	48X48				DOUBLE ARROW REVERSE CURVE (SYMBOL	W022-6e	21X15	2,19	2	4.38	WET PAINT (ARROW PIVOTS)	6122008 6122009	IMPACT ATTENUATOR (8 SAND BARRELS) IMPACT ATTENUATOR (9 SAND BARRELS)
					LEFT ARROWS)					GUID	DE SIGNS	6122010	IMPACT ATTENUATOR (10 SAND BARRELS)
WO1-4bR	48X48	16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL	SPECIAL	36X36	9.00			FRESH OIL/LOOSE GRAVEL	6122012	IMPACT ATTENUATOR (12 SAND BARRELS)
					RIGHT ARROWS)	E05-1	36X48	12.00			GORE EXIT	6122014	IMPACT ATTENUATOR (14 SAND BARRELS)
W01-4cL	48X48	16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS)	E05-2	48X36	12.00			EXIT OPEN	6122017	IMPACT ATTENUATOR (17 SAND BARRELS)
W01-4cR	18718	16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL	E05-2a	48X36	12.00			EXIT CLOSED	6122019	IMPACT ATTENUATOR (19 SAND BARRELS)
WOT 4CI	40740	10.00			RIGHT ARROWS)	G020-1	60X24	10.00		20	ROAD WORK NEXT XX MILES	6122020	REPLACEMENT SAND BARREL
WO1-6	60X30	12.50			HORIZONTAL ARROW (SYMBOL)	G020-2	48X24	8.00		16	END ROAD WORK	6122030	IMPACT ATTENUATOR ARRAY (RELOCATION)
W01-6a	72X36				HORIZONTAL ARROW (SYMBOL ON PERMANEN	G020-4	36X18	4.50		9	PILOT CAR FOLLOW ME	6123000A	2 TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
			1		BARRICADE)	G020-4a	42X30	8.75		35	PLEASE WAIT FOR PILOT CAR	6161007	SPEED LIMIT AND STROBE LIGHT ASSEMBLY
WO1-7		12.50			DOUBLE HEAD HORIZONTAL ARROW (SYMBOL	G020-5aP		6.00		42	WORK ZONE (PLAQUE)	6161008 6161009	2 ADVANCED WARNING RAIL SYSTEM FLAG ASSEMBLY
WO1-7a	72X36	18.00	1		DOUBLE HEAD HORIZONTAL ARROW (SYMBOL		24X18	3.00			END DETOUR	6161009	CHANNELIZER (DRUM-LIKE)
WO1-8	18X24	3.00	1		PERMANENT BARRICADE) CHEVRON (SYMBOL)	MO4-9L MO4-9R	48X36 48X36	12.00			DETOUR (LEFT ARROW)	6161020	CHANNELIZER (DROM-LIKE) CHANNELIZER (CONES)
W01-8 W01-8a	30X36	7.50			CHEVRON (SYMBOL) CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS	MO4-9R MO4-10L	48X18	12.00			DETOUR (RIGHT ARROW) DETOUR (ARROW LEFT)	6161024	CHANNELIZER (TRIM LINE) WITH LIGHT
W03-1	48X48				STOP AHEAD (SYMBOL)	M04-10E	48X18				DETOUR (ARROW RIGHT)	6161025	275 CHANNELIZER (TRIM LINE)
W03-2	48X48				YIELD AHEAD (SYMBOL)	1010	10/10	10,00			BETOOK VARIOUT /	6161026	CHANNELIZER (VERTICAL PANEL)
W03-3	48X48				SIGNAL AHEAD (SYMBOL)							6161027	CHANNELIZER (VERTICAL PANEL) WITH LIGHT
WO3-4	48X48			64	BE PREPARED TO STOP							6161028	CHANNEL I ZER
WO3-5	48X48	16.00	4	64	SPEED LIMIT AHEAD							6161030	TYPE III MOVEABLE BARRICADE
WO4-1L	48X48	16.00			MERGE (SYMBOL FROM LEFT)				'	REGULA	TORY SIGNS	6161031	TYPE III MOVEABLE BARRICADE WITH LIGHT
WO4-1R	48X48	16.00			MERGE (SYMBOL FROM RIGHT)	R1-1	48X48	13.25			STOP	6161033	DIRECTION INDICATOR BARRICADE
WO5-1	48X48	16.00			ROAD/BRIDGE/RAMP NARROWS	R1-2	48 TRI.	6.93			YIELD	6161034	DIRECTION INDICATOR BARRICADE, WITH LIGHT
W05-3	48X48	16.00			ONE LANE BRIDGE	R1-2a	36X36	9.00			TO ONCOMING TRAFFIC (PLAQUE)	6161040 6161047	2 FLASHING ARROW PANEL TYPE III OBJECT MARKER
WO5-5	48X48			32	NARROW LANES	R1-3	20X9	1.25			X-WAY (PLAQUE)	6161051	WARNING LIGHT, TYPE A
W06-1	48X48				DIVIDED HIGHWAY (SYMBOL)	R2-1	36X48	12.00	14	168	SPEED LIMIT 4-45MPH 4-55MPH	6161052	WARNING LIGHT, TYPE B
W06-2	48X48	16.00			DIVIDED HIGHWAY END (SYMBOL)	R3−1	48X48	16.00			NO RIGHT TURN (SYMBOL)	6161053	WARNING LIGHT, TYPE C
W06−3 W07−3a	48X48 30X24			10	TWO WAY TRAFFIC (SYMBOL) NEXT XX MILES (PLAQUE)	R3−2	48X48	16.00			NO LEFT TURN (SYMBOL)	6161055	SEQUENTIAL FLASHING WARNING LIGHT
W07-30 W08-1	48X48			32	BUMP	R3−3	36X36	9.00			NO TURNS	6161070	TUBULAR MARKER
W08-1	48X48	+		1 22	DIP	R3-4	48X48	16.00			NO U-TURN (SYMBOL)	6161095	RADAR SPEED ADVISORY SYSTEM
WO8-3	48X48				PAVEMENT ENDS	R3-7L	30X30	6.25			LEFT LANE MUST TURN LEFT	6161096	CHANGEABLE MESSAGE SIGN, COMMISSION
W08-4	48X48	16.00			SOFT SHOULDER	R3-7R	30X30	6.25			RIGHT LANE MUST TURN RIGHT		FURNISHED/RETAINED
WO8-5	48X48				SLIPPERY WHEN WET (SYMBOL)	R4-1 R4-2	36X48 36X48	12.00			DO NOT PASS	6161098	CHANGEABLE MESSAGE SIGN, CONTRACTOR 2 FURNISHED/RETAINED
WO8-6	48X48	16.00			TRUCK CROSSING WITH FLAGS	R4-7aL		12.00			PASS WITH CARE KEEP LEFT (HORIZONTAL ARROW)	C454400	
W08-6c	48X48	16.00			TRUCK ENTRANCE	R4-7a	36X48			48	KEEP RIGHT (HORIZONTAL ARROW)	6161100	CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED/COMMISSION RETAINED
WO8-7	36X36	9.00			LOOSE GRAVEL	R5-1	30X30	6.25		10	DO NOT ENTER	6173600D	CONTRACTOR FURNISHED/RETAINED TEMPORARY
WO8-9		16.00			LOW SHOULDER	R5-1a	36X24	6.00			WRONG WAY		TRAFFIC BARRIER
WO8-11		16.00	_	96	UNEVEN LANES	R6-1L	48X18	6.00			ONE WAY ARROW (LEFT)	6173602B	CONTRACTOR FURNISHED/COMMISSION RETAINED
WO8-12		16.00		96	NO CENTER LINE	R6−1R	48X18	6.00			ONE WAY ARROW (RIGHT)		TEMPORARY TRAFFIC BARRIER
W10-1	42 RND		_		RAILROAD CROSSING	R6−2L	24X30	5.00			ONE WAY (LEFT)	6174000A	TEMPORARY TRAFFIC BARRIER HEIGHT TRANSITION
WO12-1 WO12-2	24X24	16.00	_	+	DOUBLE DOWN ARROW (SYMBOL) LOW CLEARANCE (SYMBOL)	R6-2R	24X30				ONE WAY (RIGHT)	6175010A	RELOCATING TEMPORARY TRAFFIC
W012-2 W012-2×		3.00	_		LOW CLEARANCE (STMBUL)	R10-6	24X36	6.00			STOP HERE ON RED (45° ARROW)	01730104	BARRIER
W012-2a		14.00			OVERHEAD LOW CLEARANCE (FEET AND	R11-2	48X30	10.00			ROAD CLOSED	6176000B	COMMISSION FURNISHED/RETAINED TEMPORARY
					INCHES)	R11-3a	60X30	12.50	'		ROAD CLOSED XX MILES AHEAD LOCAL		TRAFFIC BARRIER
WO8-15	48X48	16.00			GROOVED PAVEMENT						TRAFFIC ONLY	6177000B	COMMISSION FURNISHED/RETAINED TEMPORARY
WO8-15p					MOTORCYCLE (PLAQUE)	R11-4 S4-4	60X30				ROAD CLOSED TO THRU TRAFFIC	9019400	TRAFFIC BARRIER HEIGHT TRANSITION TEMPORARY LIGHTING
WO8-17	48X48	16.00	2	32	SHOULDER DROP-OFF (SYMBOL)	- · ·	36X15				WHEN FLASHING	9019400	TEMPORARY TRAFFIC SIGNALS
				10	SHOULDER DROP-OFF (PLAQUE)	CONST-3A		20.00			FINE SIGN SPEEDING/PASSING (PLATE)	9029401	TEMPORARY TRAFFIC SIGNALS AND LIGHTING
SPECIAL	120X60	50.00			LOW CLEARANCE XX FT XX IN XX MILES	CONST 3X	30/12	4.07			SI LEDINO/I ASSING (I LAIL)		
SPECIAL	120X60	50.00	1		AHEAD WIDTH RESTRICTION XX FT XX IN XX MIL	S	1	1	1	MICCELLA	NEOUS SIGNS	-L	
J. LOTAL	1.20,00	30.00	1		AHEAD		70740	110.00	. 1	MIJOELLA			
WO13-1	30X30	6.25			ADVISORY SPEED (PLAQUE)	SPECIAL SPECIAL		12.00		64	POINT OF PRESENCE POINT OF PRESENCE		
WO16-2	30X24	5.00			XXX FEET (PLAQUE)	CONST-7-48					RATE OUR WORK ZONE		- · · · · · · · · · · · · · · · · · · ·
WO16-3	30X24	5.00			X MILE (PLAQUE)	CONST-7-46				10	RATE OUR WORK ZONE		
WO20-1		16.00	_	320	ROAD/BRIDGE/RAMP WORK AHEAD	616-10.		1 10.00	1		THATE OUT HOLL ZOILE		
WO20-2		16.00			DETOUR AHEAD	CONSTRU		SIGNS	TOTAL	1578.4			
W020-3	_	16.00			ROAD CLOSED AHEAD	616-10.	10						
W020-4		16.00			ONE LANE ROAD AHEAD WITH FLAGS	RELOCAT	ED SIG	SNS TO	TAL				SUMMARY OF QUANTITIES
WO20-5	48848	16.00	4	64	RIGHT/CENTER/LEFT LANE CLOSED AHEAD								SHEET 4 OF 4

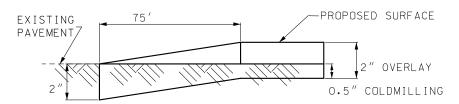
0830/2023 9:38:03 AM SEAN M. DOM/MSO - CIVIL MO-FE-202201607 DATE PREPARED 8 / 29 / 20 23 ROUTE STATE MO SHEET NO. ROUTE 69 DISTRICT KC COUNTY JOB NO.
J453413
CONTRACT ID. PROJECT NO.



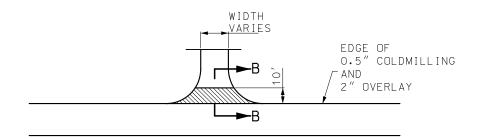


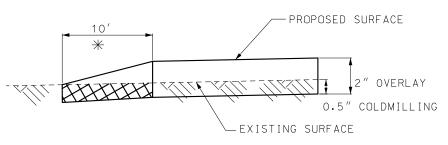
SECTION A-A

TYPICAL STATE ROUTE JUNCTION



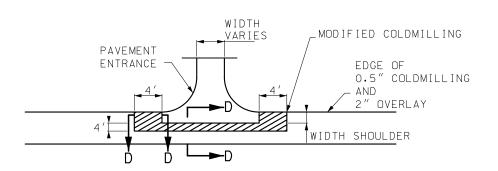
TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT

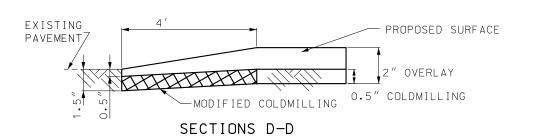




SECTION B-B

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





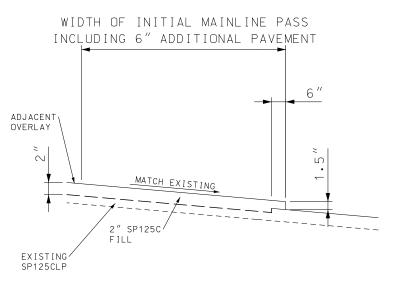
MODIFIED COLDMILLING FOR PAVEMENT ENTRANCES

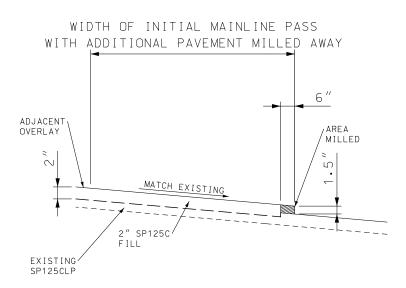
NOT TO SCALE

SPECIAL SHEET
1 OF 2

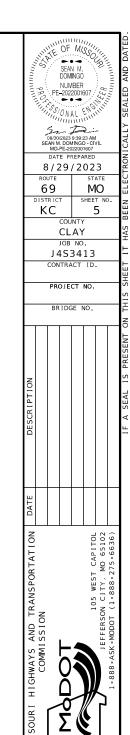


6" OVERMILL DETAILS FOR MAINLINE AND SHOULDER SEAMS





SB LOG MILE 93.411 TO LOG MILE 94.272



NOT TO SCALE

SPECIAL SHEET 2 OF 2

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

SIGN SPAC	ING 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.

		TAPEF OF	R LENGTH CHANNELI	S AND SPACII ZING DEVICES	NG	
SPEED (P)	— .	MINIMUM R LENGTH		MINIMUM TAPER		HANNELIZER CING
MPH	10 FT	ANE WIDT 11 FT	HS (W) 12 FT	SHOULDER (T1)	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

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

EPG TABLE 616.29 RECOMMENDE	D 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

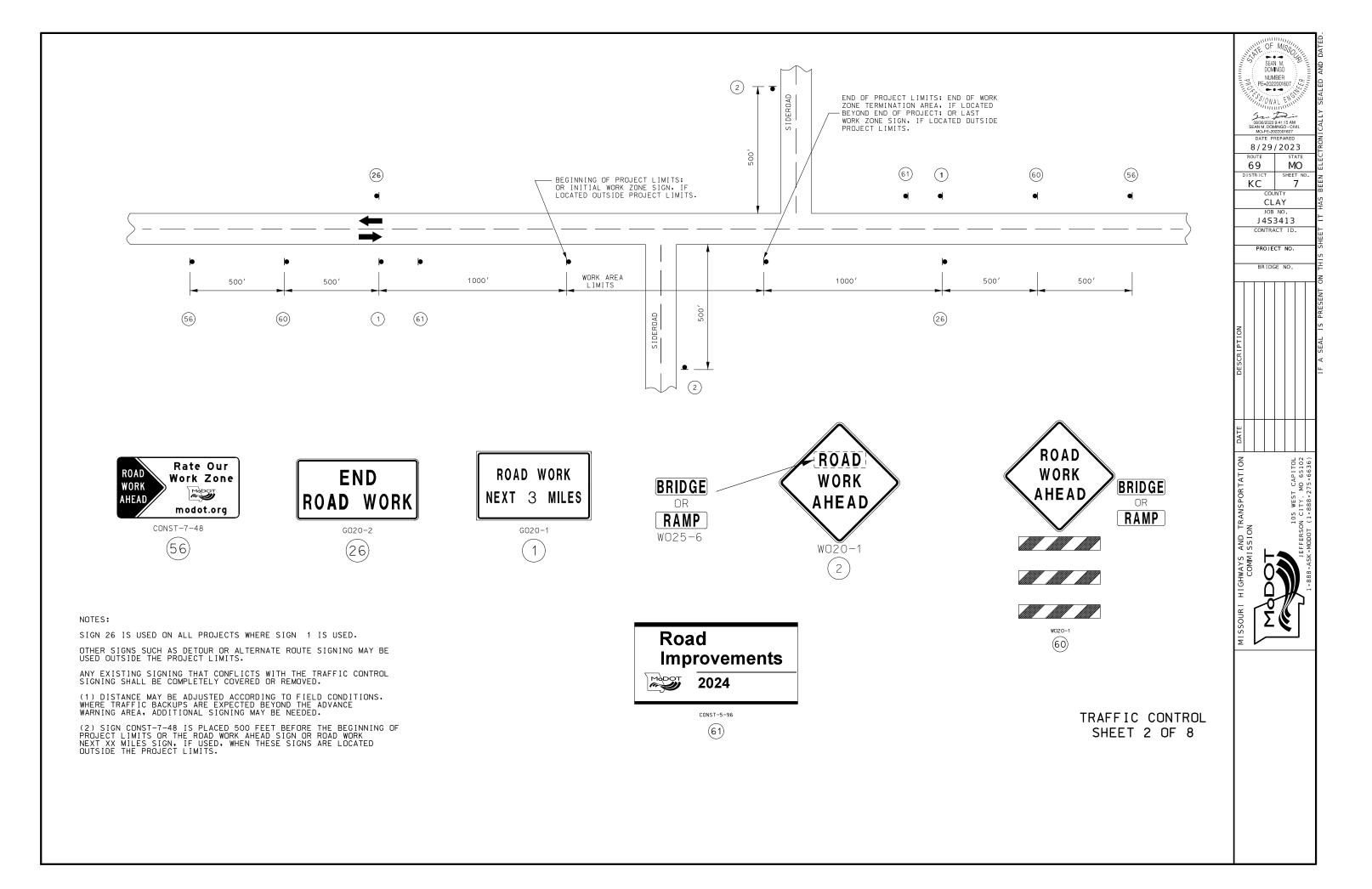
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.

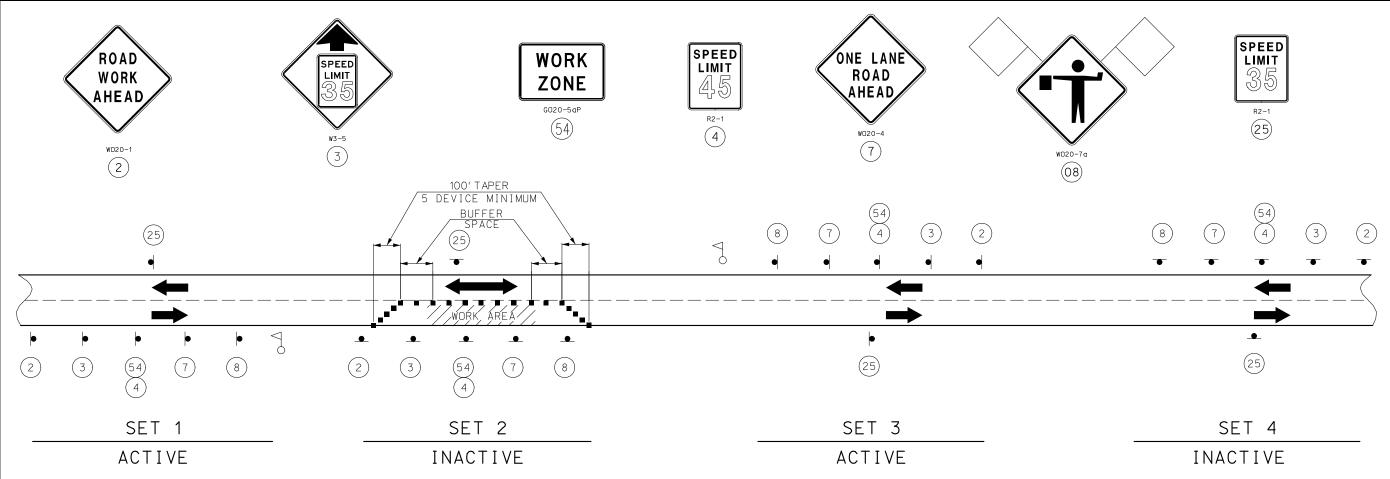
TAPER LENGTH (L)

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

SEAN M. DOMINGO 8/29/2023 69 KC CLAY J4S3413 CONTRACT ID. PROJECT NO BRIDGE NO

TRAFFIC CONTROL SHEET 1 OF 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.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7A WHICH IS SUBSIDIARY TO THE SIGN.

THE WORK ZONE IS SET FOR A MAXIMUM OF TWO MILES IN RURAL SECTIONS. THE WORK ZONE WITHIN THE URBAN AREA OF A CITY LIMITS IS SET FOR A MAXIMUM ONE HALF MILE. THE WORK ZONE DISTANCE MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER IN CHARGE.



G020-4

(53)

(1)

PLEASE WAIT FOR PILOT CAR

G020-4a

(58)

(2)

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

(2) FOR PLACEMENT OF SIGN 58 , SEE SHEET 6 OF TRAFFIC CONTROL PLANS.

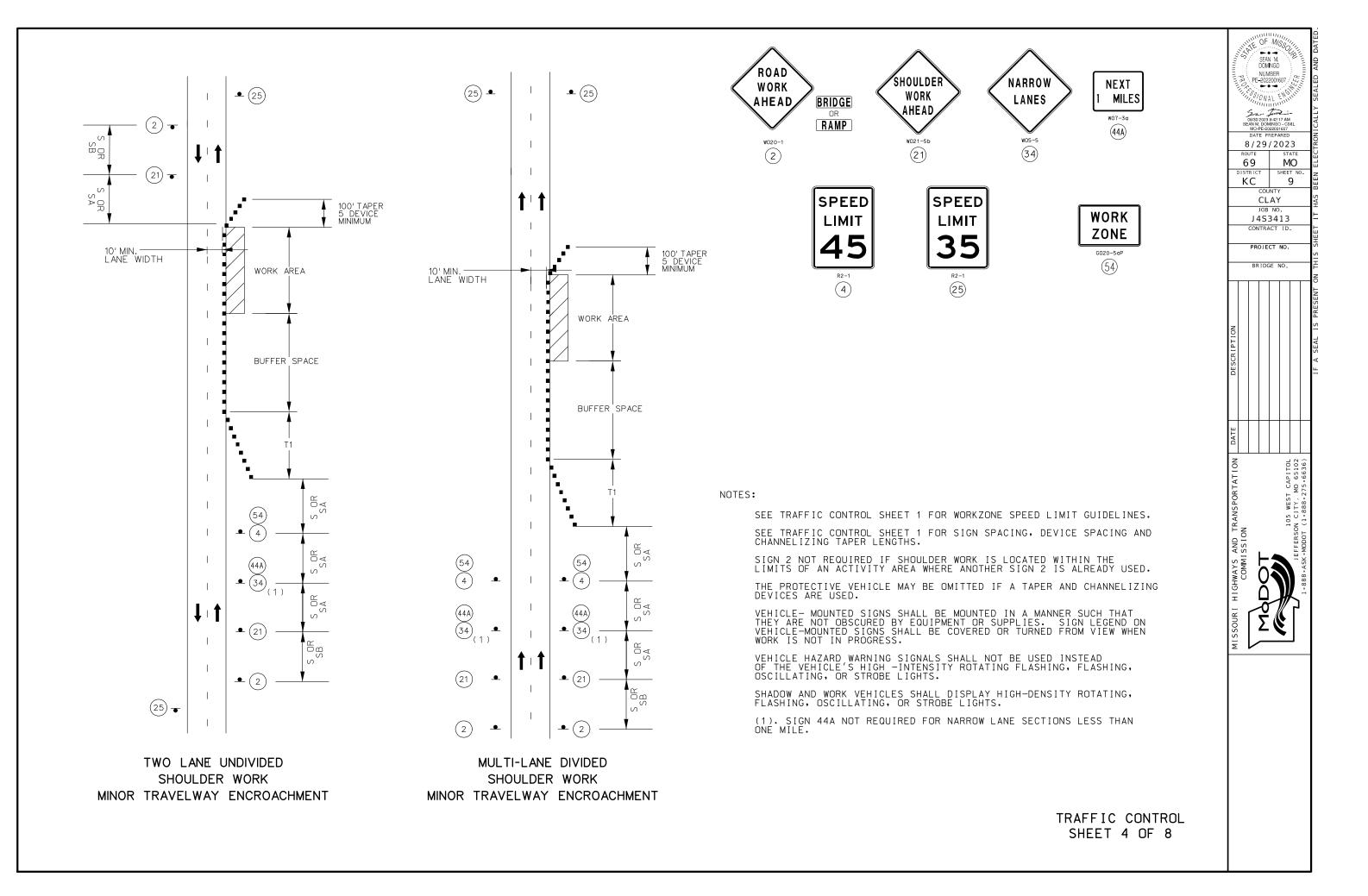
NOTE:

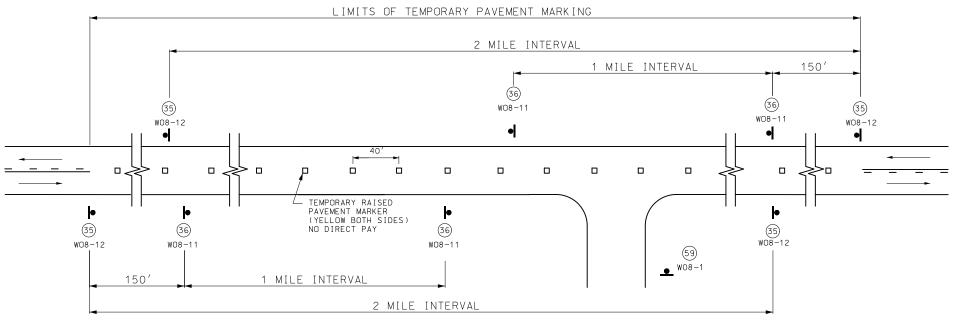
SEE SHEET 1 OF TRAFFIC CONTROL PLANS FOR SIGN SPACING

TRAFFIC CONTROL SHEET 3 OF 8

SEAN M. DOMINGO NUMBER PE-202200160 TISSIONAL EN 08/30/2023 9:41:48 AM SEAN M. DOMINGO - CIVIL MO-PE-2022001607 8/29/2023 69 MO SHEET NO KC 8 CLAY J4S3413 CONTRACT ID. PROJECT NO. BRIDGE NO.









PLEASE WAIT

FOR PILOT CAR

> G020-4a (58)

PILOT CAR

FOLLOW ME

GO20-4

(53)





PROJECT NO.

BRIDGE NO.

SEAN M. DOMINGO











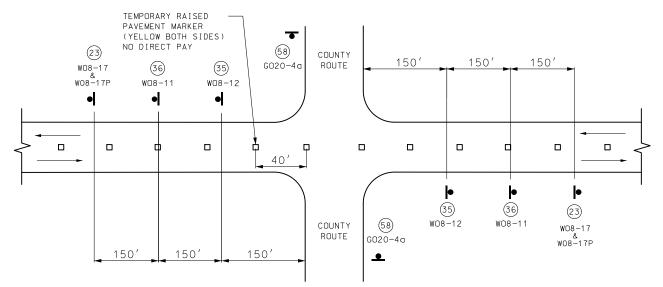








SIGN SPACING FOR MAINLINE



SIGN SPACING AT INTERSECTIONS

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

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.

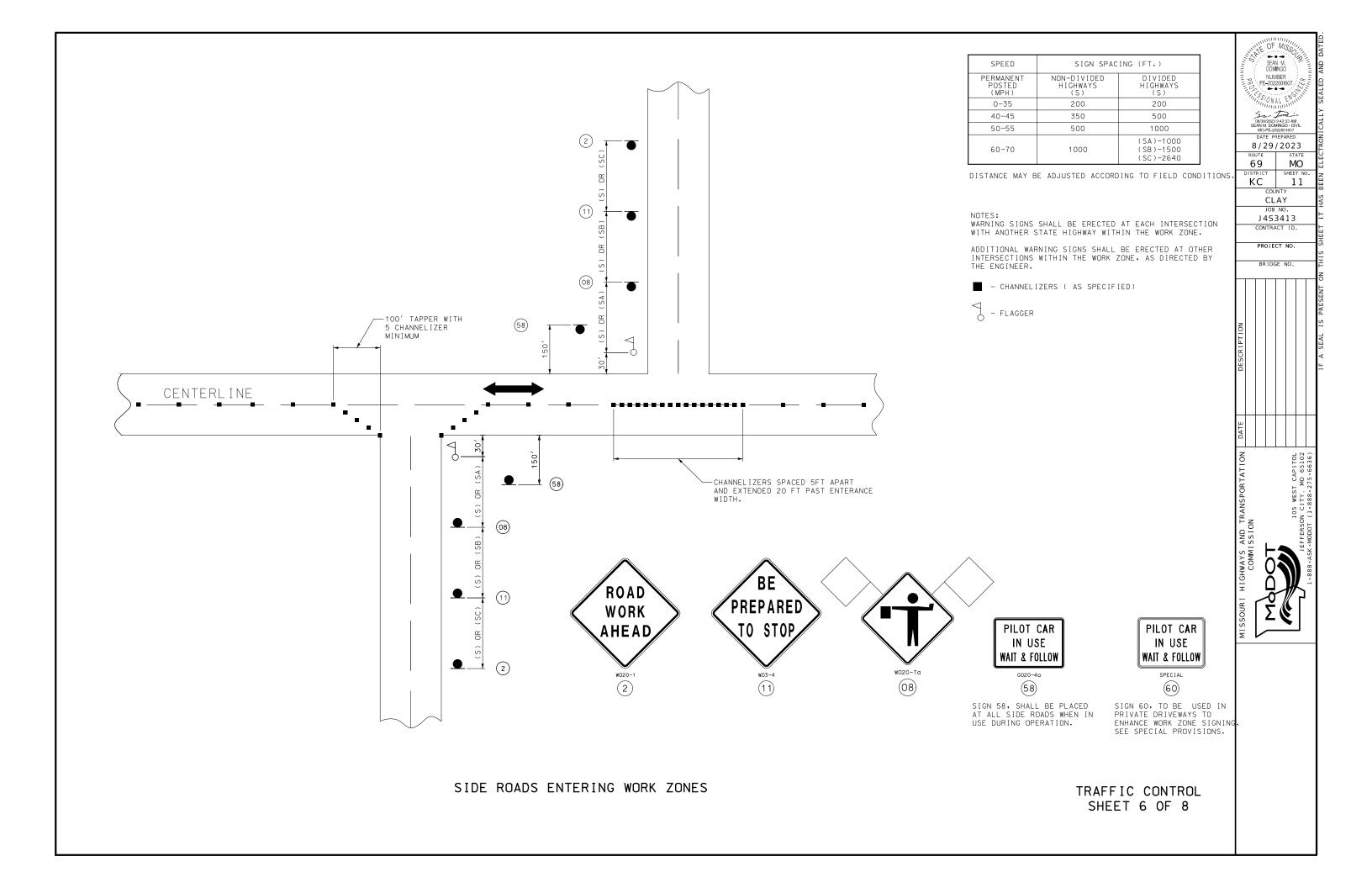
SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35) , THE LATTER MAY BE ELIMINATED.

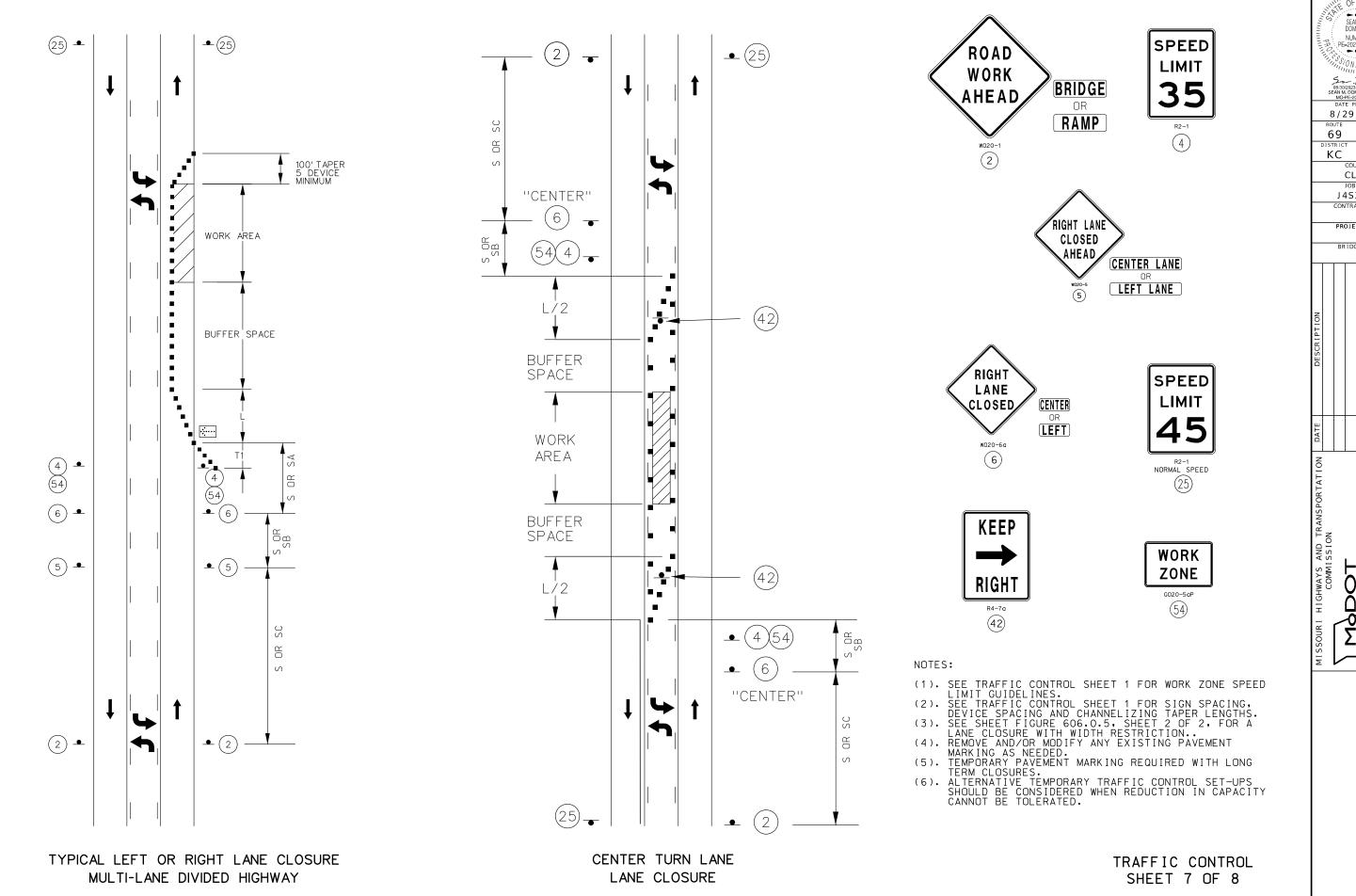
ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

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

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

TRAFFIC CONTROL SHEET 5 OF 8

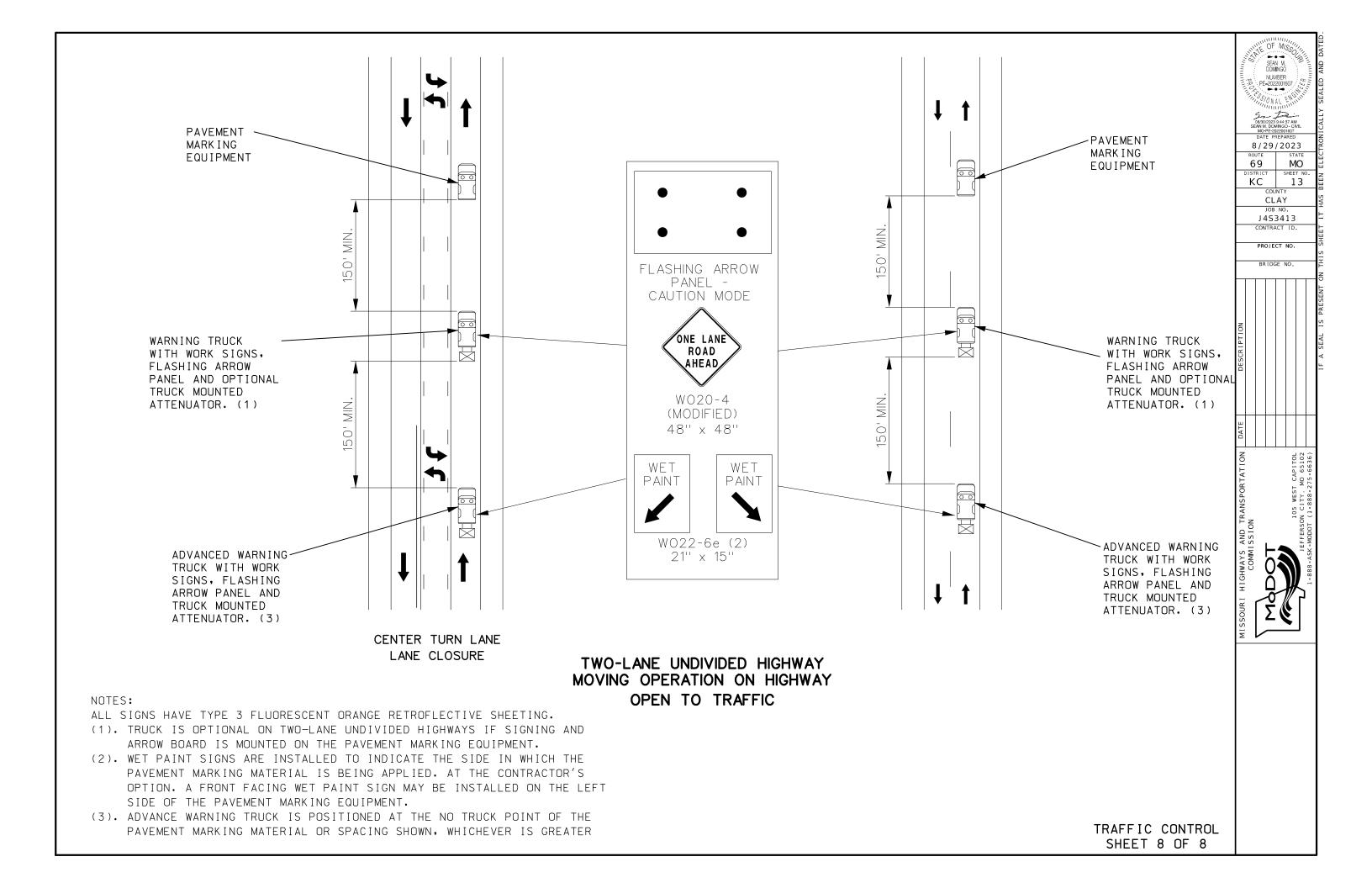




SEAN M.
DOMINGO
NUMBER
PE-2022001607
DATE PREPARED
8 / 29 / 20 23
ROUTE
STATE
69
MO
DISTRICT SHEET NO.
KC 12
COUNTY
CLAY
JOB NO.
J 453413
CONTRACT ID.
BRIDGE NO.

I HIGHWAYS AND TRANSPORTATION DATE
COMMISSION

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



DESIGN DESIGNATION

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

D = 54% (SB), 46% (NB)

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

NO NEW RIGHT OF WAY WILL BE ACQUIRED FOR THIS PROJECT

CONVENTIONAL SYMBOLS

(USED IN PLANS	j)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	0000	••••• ••••
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FOOTVUTV OT UT OE UE SS G W	-F0- -OTV- -UTV- -OT- -UT- -OE- -UE- -S- -SS- -G-
MANHOLE	SAN HYD	€
FIRE HYDRANT	wv]
WATER VALVE	₩ ^V .C)
WATER METER	#""⊕)
DROP INLET	°'E	
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	-
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE	PED _	=
CHAIN LINK WOVEN WIRE GATE POST	—— v —— x >	
BENCHMARK	ВМ	>

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

JACKSON COUNTY

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



LOCATION OF JACKSON COUNTY

CLAY COUNTY 269 JACKSON COUNTY RIVER FRONT DR STILLWELL DERAMUS AVE 24 BEGIN PROJECT MO 269 SB LOG MILE 1.030 NB LOG MILE 0.384 FRONT ST 25 26

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) (2 SHEETS)	3
PLAN SHEETS (PL)	4 - 6
TRAFFIC CONTROL SHEETS (TC)	7 - 13

OF M/SSO JODE LYNN PUHR NUMBER PE-2014000073									
07/25/2023 11:42:41 AM JODIE LYNN PUHR - CIVIL MO-PE-2014000073									
	7		E PF					V 1 1 0 7 1 10 0 1 10 0 1	
	ROI 26	^{JTE} 59				ате Ю		.0111	
	K		Т	9		т NG 1	Ο.	14111	
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		CON	ITRA	CT	ID	•		ti tulio	
		PR) E	СТ	NO.			0 01111	
		BR	IDG	E 1	VO .				
5								THE CHARGE OF	

LENGTH OF PROJECT

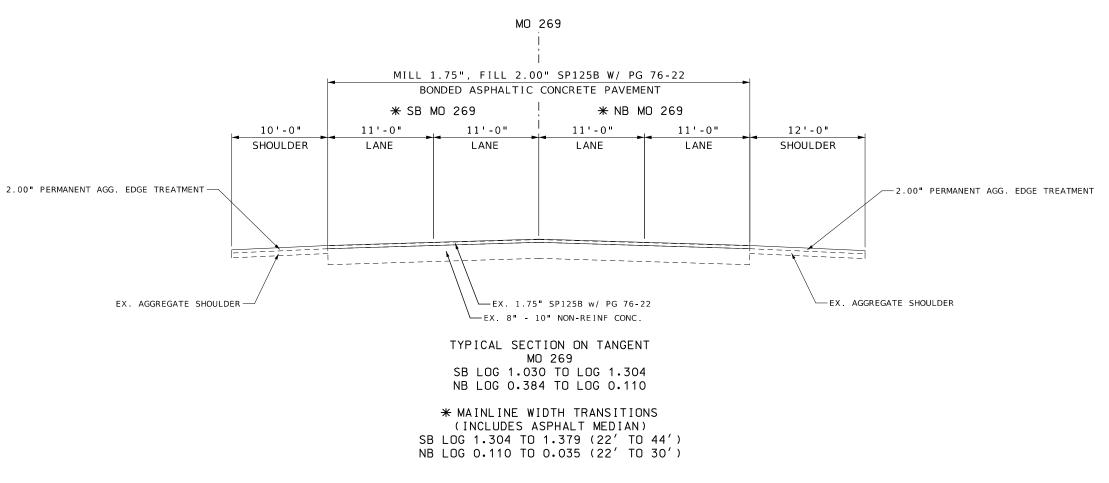
LENGIH OF	PROJECT	- 1`
		,
SOUTHBOUND MO 269		
BEGINNING OF PROJECT	LOG MILE 1.030	-
END OF PROJECT	LOG MILE 1.379	
APPARENT LENGTH	1,842.72 F	EET C
EQUATIONS AND EXCEPTIONS:		2
NORTHBOUND MO 269		
BEGINNING OF PROJECT	LOG MILE 0.035	
END OF PROJECT	LOG MILE 0.384	
APPARENT LENGTH	1,842.72 F	EET
EQUATIONS AND EXCEPTIONS:		



SHEET

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

0.00 ACRES



FOR INFORMATION PURPOSES ONLY

BONDED ASPHALTIC CONCRETE PAVEMENT 0.20 GAL/YD² PERMANENT AGGREGATE EDGE TREATMENT 1.88 TON/YD3

1.993 TON/YD3

SP125B W/ PG76-22

-MILLED BUTT JOINT EXISTING CONCRETE RESURFACING DETAIL BY EXISTING CONCRETE ENTRANCES TYPICAL SECTION SHEET SHEET 1 OF 1

MILL 1.75" FILL 2.00"

NEW SURFACE

EXISTING CONC. PAVEMENT

7/17/2023

JACKSON JOB NO.
J4S3452
CONTRACT ID.

PROJECT NO. BRIDGE NO.

MO

2

269

KC

	MAINLINE PAVEMENT - COLDMILLING & ASPHALT										
PLAN	BEG.	END	ROADWAY	LENGTH	MAINLINE	SHOULDER	COLDMILLING	FILL	PERMANENT	BONDED	REMARKS
SHEET	LOG	LOG			l width	l width	BIT. PAVEMENT	2.00" SP125B	AGGREGATE	ASPHALTIC	
NO.							3" OR LESS	w/ PG 76-22	EDGE	CONCRETE	
								·	TREATMENT	PAVEMENT	
				FT.	FT.	FT.	S.Y.	TONS	TONS	GAL.	
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	BEG.	END	ROADWAY	LENGTH	WIDTH	COLDMILLING	FILL	BONDED	REMARKS
SHEET	LOG	LOG				BIT. PAVEMENT	2.00" SP125BSM	ASPHALTIC	
NO.						3" OR LESS	w/ PG 76-22	CONCRETE	
								PAVEMENT	
				FT.	FT.	S.Y.	TONS	GAL.	
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

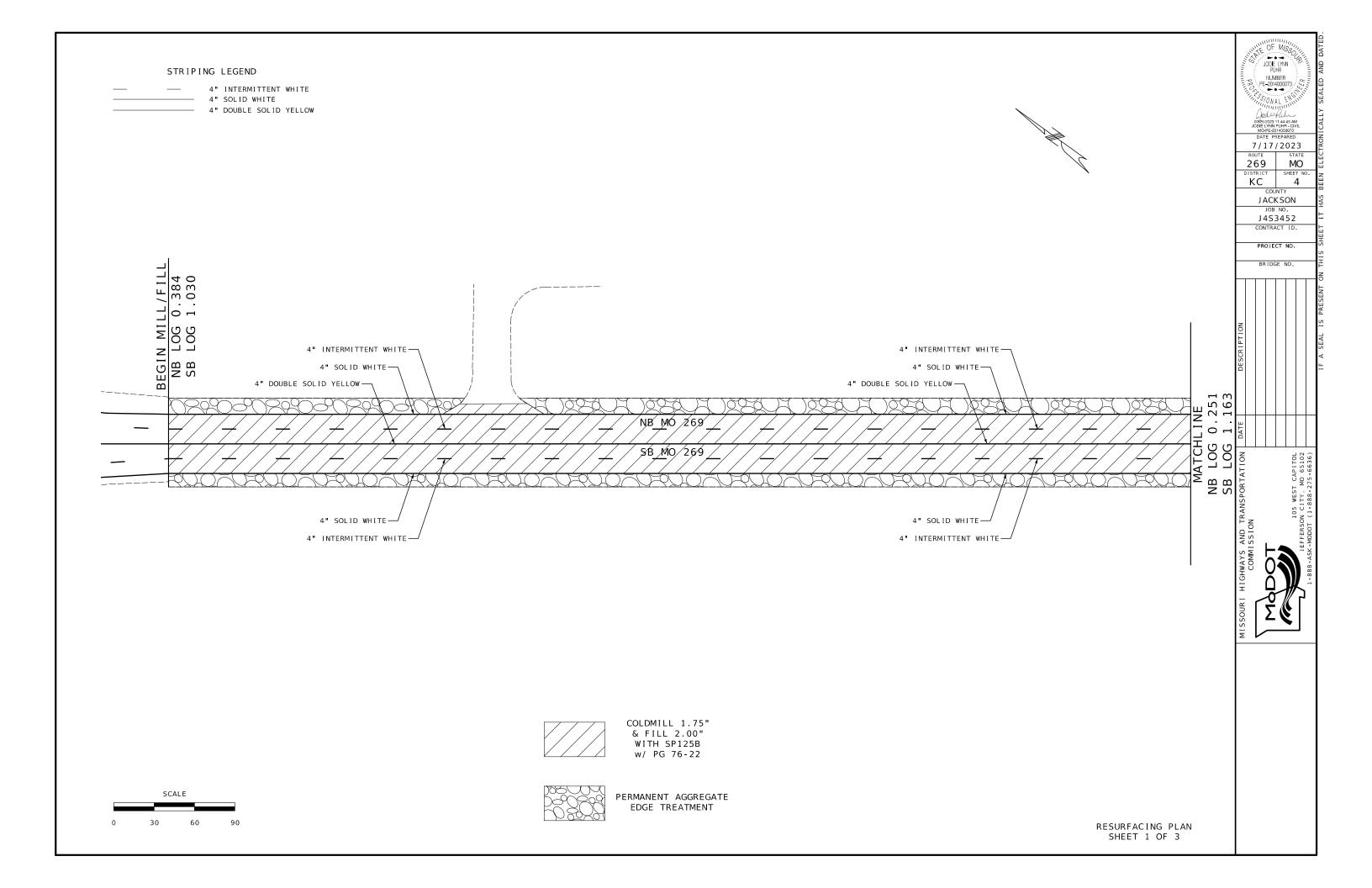
	PERMANENT PAVEMENT MARKING & SYMBOLS (STRIPING)									
PLAN	BEG.	END	ROADWAY		STANDARD WATERBORNE		PREFORMED THERMOPLASTIC			
SHEET	LOG	LOG		F	PAINT (TYPE P BEADS)		PAVEMENT MARKINGS	REMARKS		
NO.				4" SOLID	4" INTERMITTENT	4" SOLID	LEFT			
				WHITE	WHITE	YELLOW	ARROW			
				L.F.	L.F.	L.F.	EACH			
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			

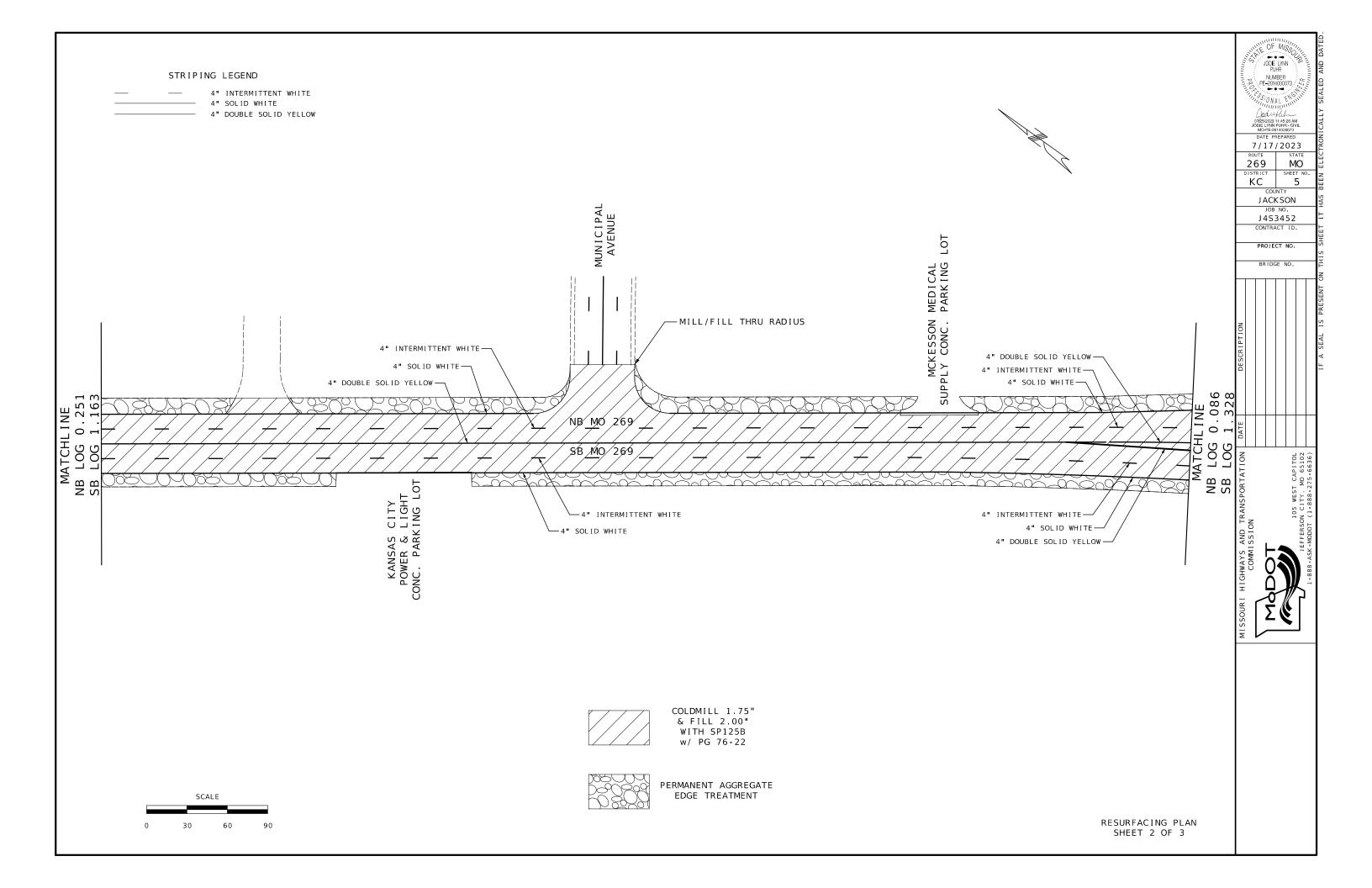
NOTES: LOG MILES ARE BASED UPON SOUTHBOUND MO 269 DIRECTION

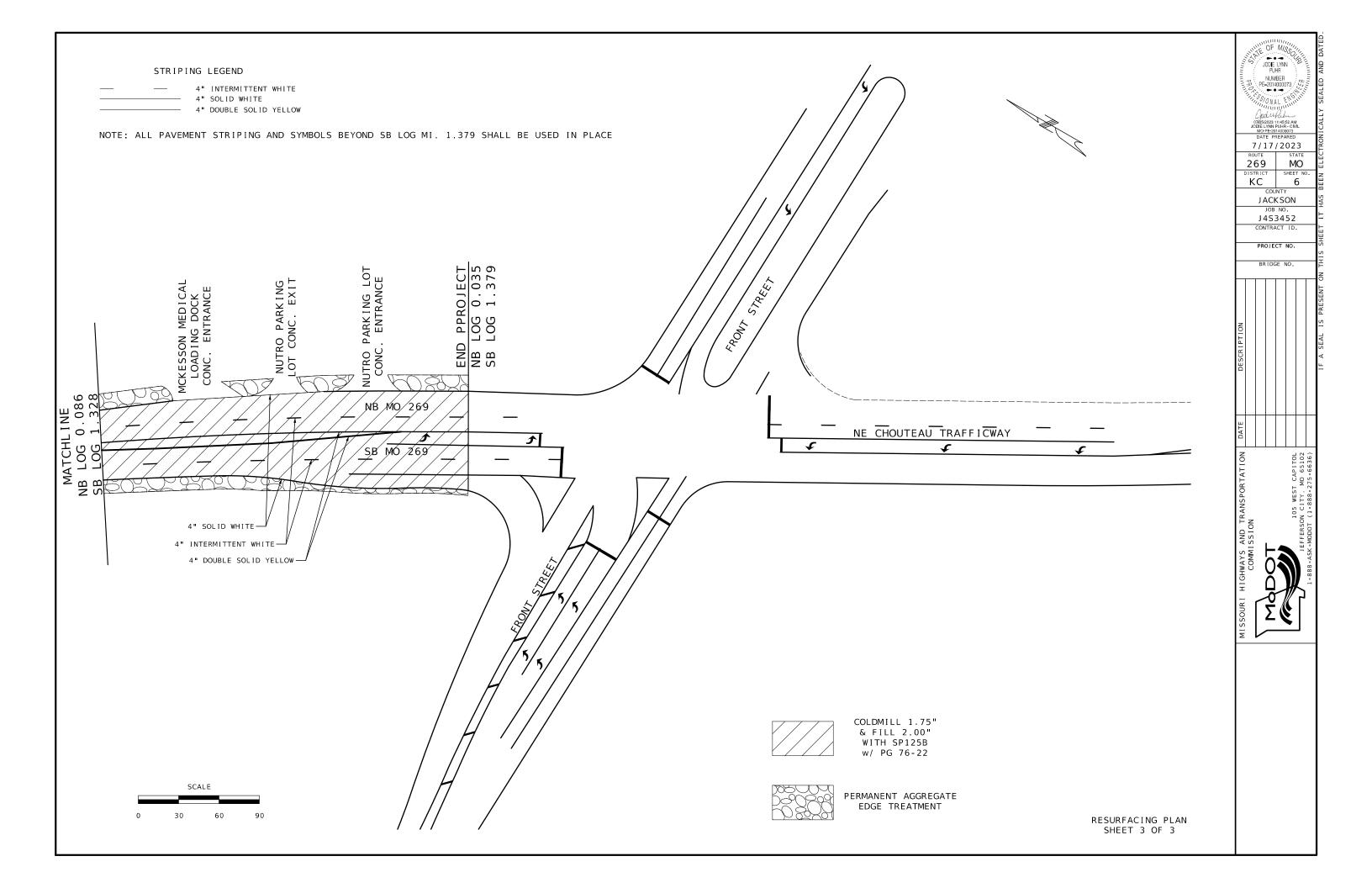
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	26 DIST K	JTE 59 RIC C	0 N // // // // // // // // // // // // /	11:43 11:43	O 2 ST. M SHEE	3 ATE IO T NO 3		TO A SEAL OF SEAL OF THE SHEET IT HAS BEEN ELECTRONICALLY SEALED AND PATER
			DJE .IDC					TITO OTITE IN
DESCRIPTION								C HATCHER OF LATE & TI
DATE								
HIGHWAYS AND TRANSPORTATION	COMMISSION				105 WEST CAPITOL	JEFFERSON CITY, MO 65102	1-888-ASK-MODOT (1-888-275-6636)	

					EFFECTIVE: 04-01-2023
TOTAL QTY TOT		QTY TOTAL			
SIZE AREA QTY AREA RELOCREL		SIZE AREA QTY TOTAL RELOC RELOC	NUM.		
SIGN IN SQ.FT EACH SQ.FT EACH SQ.		SIGN IN SQ.FT EACH SQ.FT EACH SQ.FT.		ITEM TOTA	
WARNING SIGNS	DESCRIPTION	GUIDE SIGNS	DESCRIPTION	NUMBER QTY	
WO1-1L 48X48 16.00 WO1-1R 48X48 16.00	TURN (SYMBOL LEFT ARROW) TURN (SYMBOL RIGHT ARROW)	E05-1 36X48 12.00 E05-2 48X36 12.00	GORE EXIT EXIT OPEN	6122008	IMPACT ATTENUATOR 40 MPH (SAND BARRELS) IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-1R 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2 48X36 12.00	EXIT CLOSED	6122010	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	GO20-1 60X24 10.00	ROAD WORK NEXT XX MILES	6122012	IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-3L 48X48 16.00	REVERSE TURN (SYMBOL LEFT ARROW)	GO20-2 48X24 8.00	END ROAD WORK	6122014	IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-4 36X18 4.50	PILOT CAR FOLLOW ME	6122017	IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4a 42X30 8.75	PILOT CAR IN USE WAIT & FOLLOW	6122019	IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW) DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	GO20-4a 18X12 1.50 GO20-5aP 36X24 6.00 3 18	PILOT CAR IN USE WAIT & FOLLOW 54 WORK ZONE (PLAQUE)	6122020	REPLACEMENT SAND BARREL IMPACT ATTENUATOR (RELOCATION)
WO1-4bR 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)
WO1-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L 48X36 12.00	DETOUR (LEFT ARROW)	6161008	ADVANCED WARNING RAIL SYSTEM
WO1-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R 48X36 12.00	DETOUR (RIGHT ARROW)	6161012	BUOYS (BOATS KEEP OUT)
WO1-6 60X30 12.50	HORIZONTAL ARROW (SYMBOL)	MO4-9P 48X12 4.00	STREET NAME (PLAQUE)	6161013	BUOYS (NO WAKE)
WO1-6a 72X36 18.00 WO1-7 60X30 12.50	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE) DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10L 48X18 6.00 MO4-10R 48X18 6.00	DETOUR (ARROW LEFT) DETOUR (ARROW RIGHT)	6161014	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT) CHANNELIZER (TRIM LINE)
WO1-7a 72X36 18.00	DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR	REGULATORY SIGNS	DETOUR (ARROW RIGHT)	6161030 2	
WO1-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1 48X48 13.25	STOP	6161033 40	
WO1-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI. 6.93	YIELD	6161040 5	FLASHING ARROW PANEL
WO3-1 48X48 16.00	STOP AHEAD (SYMBOL)	R1-2a 36X36 9.00	TO ONCOMING TRAFFIC (PLAQUE)	6161047	TYPE III OBJECT MARKER
WO3 - 2 48X48 16.00	YIELD AHEAD (SYMBOL)	R1-3P 30X12 2.50	ALL WAY (PLAQUE)	6161055	SEQUENTIAL FLASHING WARNING LIGHT
WO3-3 48X48 16.00 WO3-4 48X48 16.00	SIGNAL AHEAD (SYMBOL) BE PREPARED TO STOP	R2-1 36X48 12.00 5 60 R3-1 48X48 16.00	4/25 SPEED LIMIT XX NO RIGHT TURN (SYMBOL)	6161070	TUBULAR MARKER RADAR SPEED ADVISORY SYSTEM
WO3-5 48X48 16.00	SPEED LIMIT AHEAD	R3-2 48X48 16.00	NO LEFT TURN (SYMBOL)	0101093	CHANGEABLE MESSAGE SIGN,
WO4-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-3 36X36 9.00	NO TURNS	6161096	COMMISSION FURNISHED/RETAINED
WO4-1R 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.00	NO U-TURN (SYMBOL)		CHANGEABLE MESSAGE SIGN W/O COMM.
WO4-1aL 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
WO4-1aR 48X48 16.00 3 48 WO5-1 48X48 16.00	6A MERGE (ARROW SYMBOL) ROAD/BRIDGE/RAMP NARROWS	R3-7R 30X30 6.25 R4-1 36X48 12.00	RIGHT LANE MUST TURN RIGHT DO NOT PASS	6161099 4	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO5-3 48X48 16.00	ONE LANE BRIDGE	R4-1 36X46 12.00 R4-2 36X48 12.00	PASS WITH CARE	6162000A	WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-5 48X48 16.00 2 32	34 NARROW LANES	R4-8a 36X48 12.00	KEEP LEFT (HORIZONTAL ARROW)	6162002	TEMPORARY LONG-TERM RUMBLE STRIPS
WO6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-7a 36X48 12.00	KEEP RIGHT (HORIZONTAL ARROW)		TEMPORARY TRAFFIC BARRIER
WO6-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)	R5-1 30X30 6.25	DO NOT ENTER	6173600D	CONTRACTOR FURNISHED/RETAINED
WO6-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1a 36X24 6.00	WRONG WAY		TEMPORARY TRAFFIC BARRIER
WO7-3a 30X24 5.00	NEXT XX MILES (PLAQUE)	R6-1L 54X18 6.75	ONE WAY ARROW (LEFT)	6173602B	CONTRACTOR FURNISHED/COMMISSION RETAINED
WO8-1 48X48 16.00 WO8-2 48X48 16.00	BUMP DIP	R6-1R 54X18 6.75 R6-2L 24X30 5.00	ONE WAY ARROW (RIGHT) ONE WAY (LEFT)	6174000A 6175010A	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-3 48X48 16.00	PAVEMENT ENDS	R6-2R 24X30 5.00	ONE WAY (RIGHT)	0173010A	TEMPORARY TRAFFIC BARRIER
WO8-4 48X48 16.00	SOFT SHOULDER	R9-9 24X12 2.00	SIDEWALK CLOSED	6176000B	COMMISSION FURNISHED/RETAINED
WO8-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)		SIDEWALK CLOSED AHEAD,		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-6 48X48 16.00	TRUCK CROSSING (WITH FLAGS)	R9-11L 24X18 3.00	(ARROW LEFT) CROSS HERE	6177000B	COMMISSION FURNISHED/RETAINED
WO8-6c 48X48 16.00 WO8-7 36X36 9.00	TRUCK ENTRANCE LOOSE GRAVEL	R9-11R 24X18 3.00	SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6208064A 9029400	TEMPORARY RAISED PAVEMENT MARKER TEMPORARY TRAFFIC SIGNALS
WO8-7 36X36 9.00 WO8-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R10-6 24X36 6.00	STOP HERE ON RED (45^ ARROW)	9029400	TEMPORARY TRAFFIC CICNALC AND LIGHTING
WO8-9 48X48 16.00	LOW SHOULDER	R11-2 48X30 10.00 1 10	29 ROAD CLOSED	3023.02	TEMPORARY TRAFFIC SIGNALS AND LIGHTING
WO8-11 48X48 16.00 2 32	N/A UNEVEN LANES		ROAD CLOSED XX MILES AHEAD		
WO8-12 48X48 16.00 2 32	N/A NO CENTER LINE	R11-3a 60X30 12.50	LOCAL TRAFFIC ONLY		
WO8-15 48X48 16.00	GROOVED PAVEMENT	R11-4 60X30 12.50	ROAD CLOSED TO THRU TRAFFIC		
WO8-15P 30X24 5.00 WO8-17 48X48 16.00	MOTORCYCLE (PLAQUE) SHOULDER DROP-OFF (SYMBOL)	CONST-3A 60X48 20.00 CONST-3X 56X12 4.67	FINE SIGN SPEEDING/PASSING (PLATE)		
WO8-17 48X48 16.00 WO8-17P 30X24 5.00	SHOULDER DROP-OFF (SYMBOL) SHOULDER DROP-OFF (PLAQUE)	MISCELLANEOUS SIGNS	JELLUING/FASSING (PLAIE)		
W10-1 42RND. 9.62	RAILROAD CROSSING	CONST-5 48X36 12.00 2 24	N/A POINT OF PRESENCE	1	
WO12-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-5 96X48 32.00	POINT OF PRESENCE]	
WO12-2 48X48 16.00	LOW CLEARANCE (SYMBOL)	CONST-7 48X24 8.00 2 16	N/A RATE OUR WORK ZONE	1	
W012-2X 24X18 3.00	LOW CLEARANCE (PLAQUE)	CONST-7 72X36 18.00	RATE OUR WORK ZONE	-	ļ-
W012-2a 84X24 14.00 W012-4 120X60 50.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-8 48X36 12.00 2 24	N/A WORK ZONE NO PHONE ZONE	-	
W012-4 120X60 50.00 W012-5 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD			1	
W013-1 30X30 6.25	ADVISORY SPEED (PLAQUE)			1	
W016-2 30X24 5.00	XXX FEET (PLAQUE)]	
WO16-3 30X24 5.00	X MILE (PLAQUE)				
WO20-1 48X48 16.00 2 32	2 ROAD/BRIDGE/RAMP WORK AHEAD				
WO20-2 48X48 16.00	DETOUR AHEAD			-	
W020-3 48X48 16.00 W020-4 48X48 16.00	ROAD CLOSED AHEAD ONE LANE ROAD AHEAD	616-10.05 TOTAL		J	
W020-5 48X48 16.00 6 96	5 RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTRUCTION SIGNS 569			
WO20-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10 TOTAL	1		
WO20-6a 48X48 16.00 3 48	6 RIGHT/CENTER/LEFT LANE CLOSED	RELOCATED SIGNS 0]		
WO20-7a 48X48 16.00	FLAGGER (SYMBOL, WITH FLAGS)		-		
WO21-2 36X36 9.00	FRESH OIL	_			
W021-5 48X48 16.00 2 32	21 SHOULDER WORK AHEAD				
WO22-1 48X48 16.00 WO22-2 42X36 10.50	BLASTING ZONE AHEAD TURN OFF 2-WAY RADIO AND PHONE	_			
W022-3 42X36 10.50	END BLASTING ZONE	+		9	SUMMARY OF QUANTITIES
GO22-1 21X15 2.19 2 4.38	N/A WET PAINT (ARROW PIVOTS)				SHEET 2 OF 2
	· · · · · · · · · · · · · · · · · · ·				JIILLI Z UI Z







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

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

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

TAPE	R LENGTHS A	ND END TREAT	TMENTS FOR	CONCRETE BARRIER				
PERMANENT								
POSTED SPEED	D MINIMUM LANE TAPER LENGTH (3)							
MPH	10′	11′	12′	END TREATMENT (4)				
<40	160′	168′	176′	BARRIER HEIGHT TRANSITION				
>40	160′	168′	176′	APPROVED CRASH CUSHION				

	TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT				MINIMUM SHOULDER	BUFFER	MAXIMUM CHANNELI	ZER SPACING	
POSTED SPEED	MINIMUM LAN	NE TAPER LENGT	H (L) (3)	TAPER LENGTH (T1)	LENGTH	THROUGH	THROUGH	
MPH	10′	11′	12′	BASED ON 10' SHOULDER	FT	TAPER	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

TRAFFIC CONTROL LEGEND

SIGN (SINGLE SIDED)

FLASHING ARROW PANEL

CHANGEABLE MESSAGE BOARD

CHANNELIZER

BARRICADE

PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW

LEGEND NOTE:

PANEL AND REAR-MOUNTED

IMPACT ATTENUATOR UNIT.

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

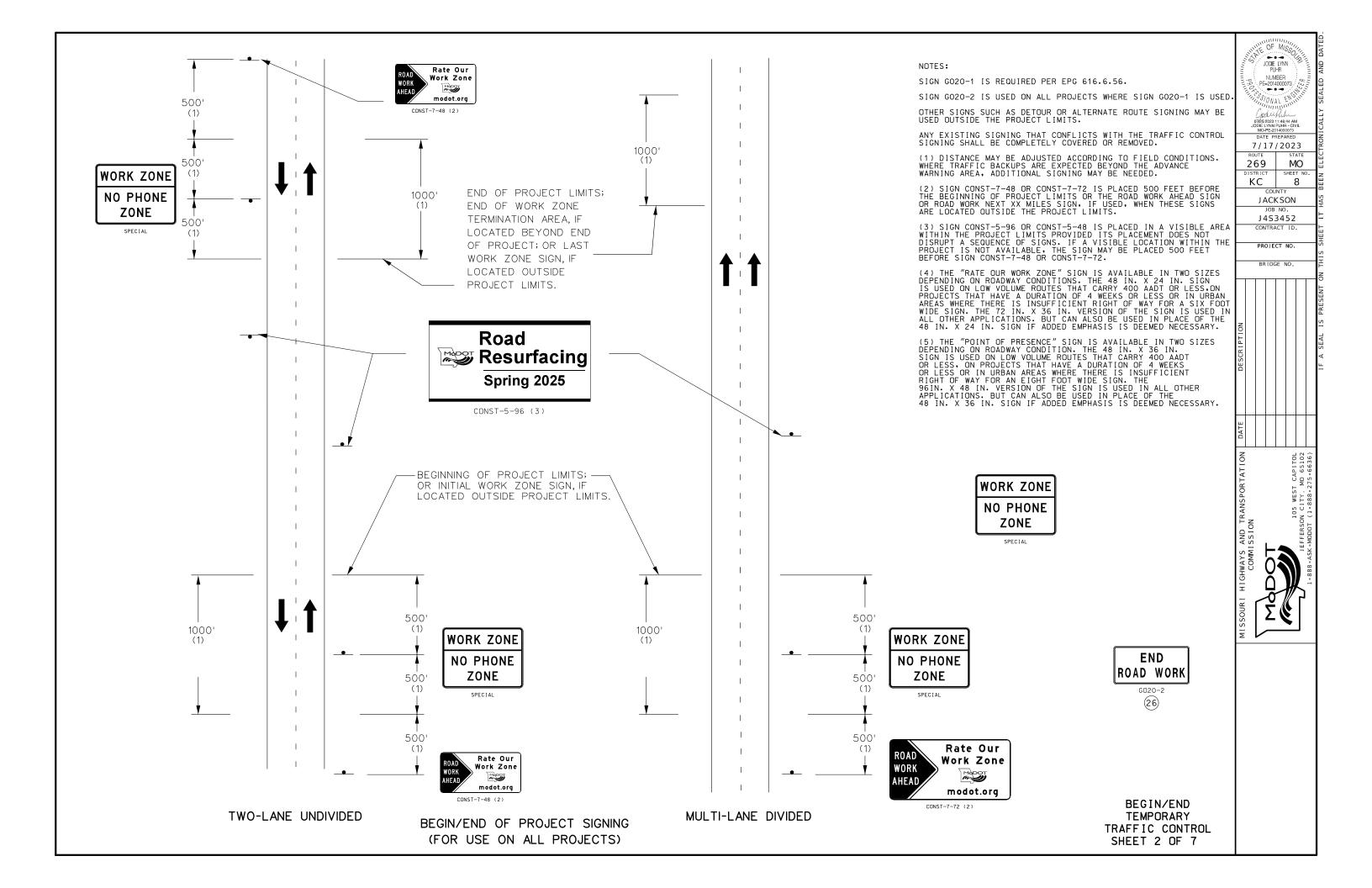
GENERAL NOTES:

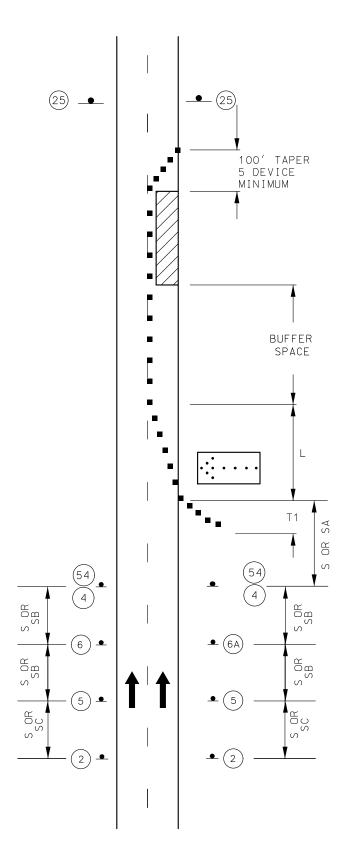
- 1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
- 2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
- 4. CONES ALLOWABLE FOR DAYTIME OPERATIONS 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.

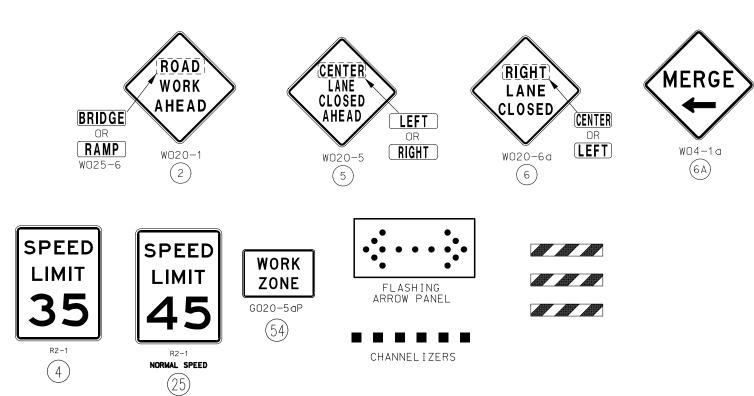
SPACING TEMPORARY TRAFFIC CONTROL SHEET 1 OF 7





TWO-LANE DIVIDED HIGHWAY

TA-33



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.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PREFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGN SHALL BE SUBSTITUTED.

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

TEMPORARY TRAFFIC BARRIERS, IF USED SHALL COMPLY WITH THE PROVISIONS IN EPG 616.6.85 TEMPORARY TRAFFIC BARRIER AND REVIEW TA-34 LANE CLOSURE WITH A TEMPORARY TRAFFIC BARRIER.

REVIEW EPG TA-34g LANE CLOSURE WITH WIDTH AND LANE RESTRICTIONS DE/CM FOR A LANE CLOSURE WITH WIDTH RESTRICTIONS.

AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.

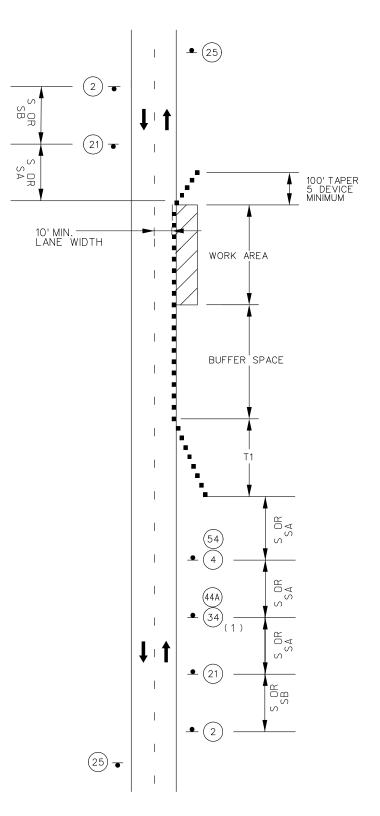
IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

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

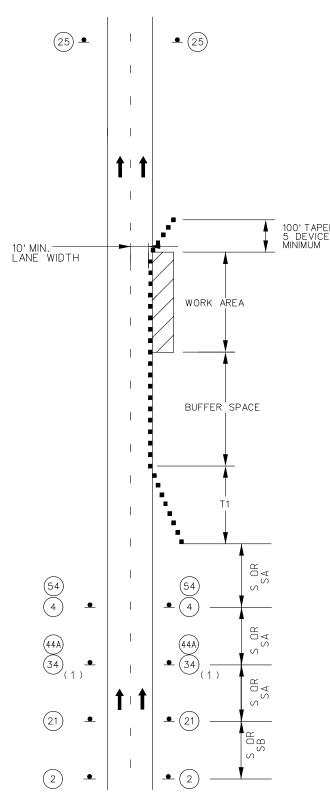
REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES

STATIONARY
LANE CLOSURE
ON DIVIDED HIGHWAY
TEMPORARY
TRAFFIC CONTROL
SHEET 3 OF 7

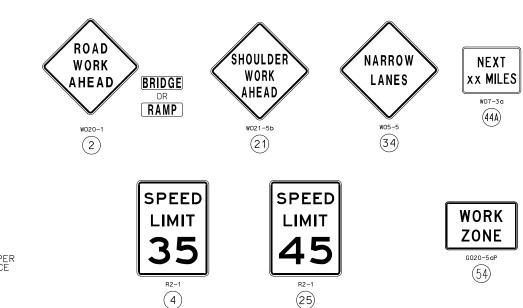




TWO LANE UNDIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT



MULTI-LANE DIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT
TA-06



NOTES:

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.

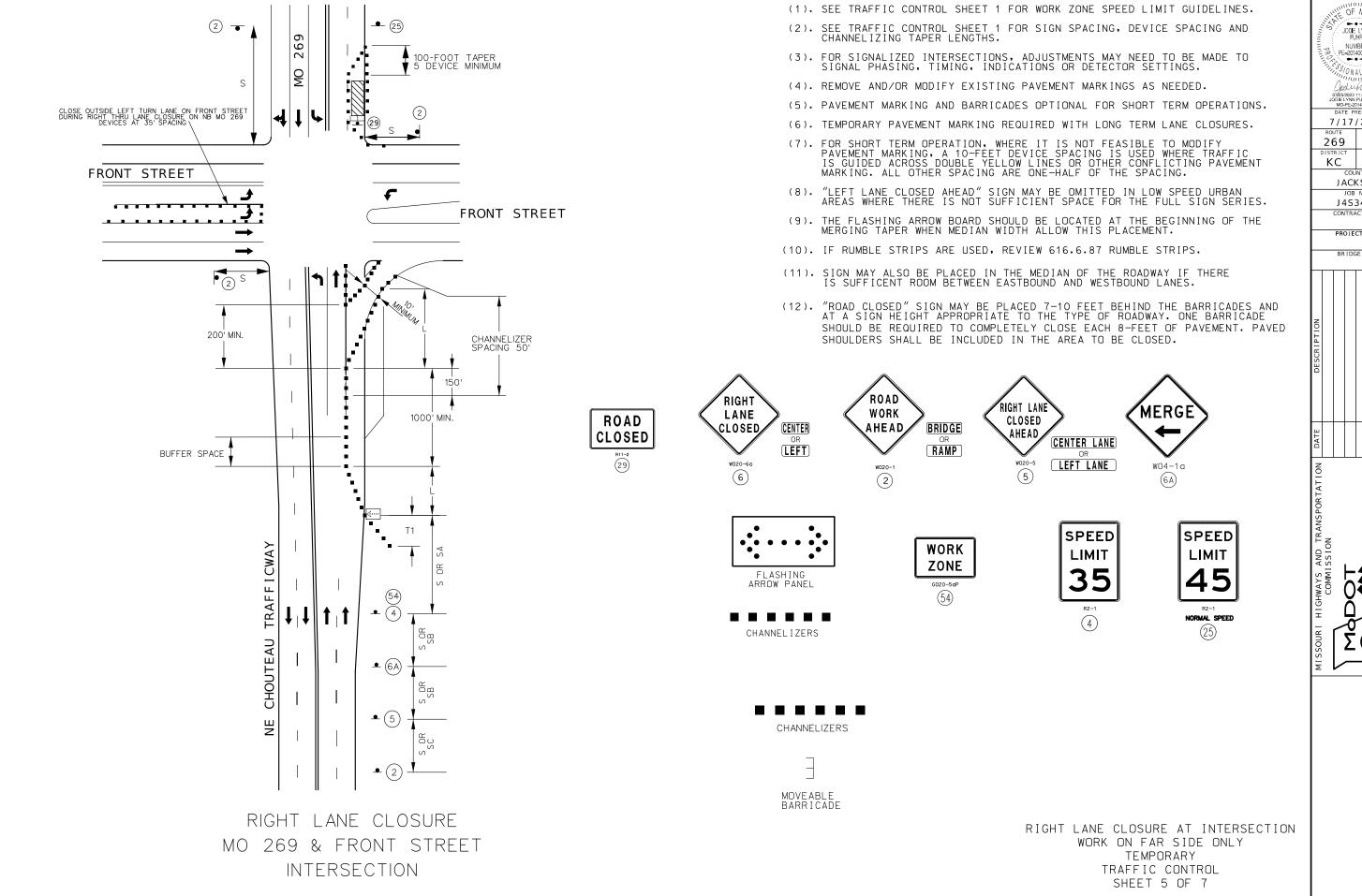
VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

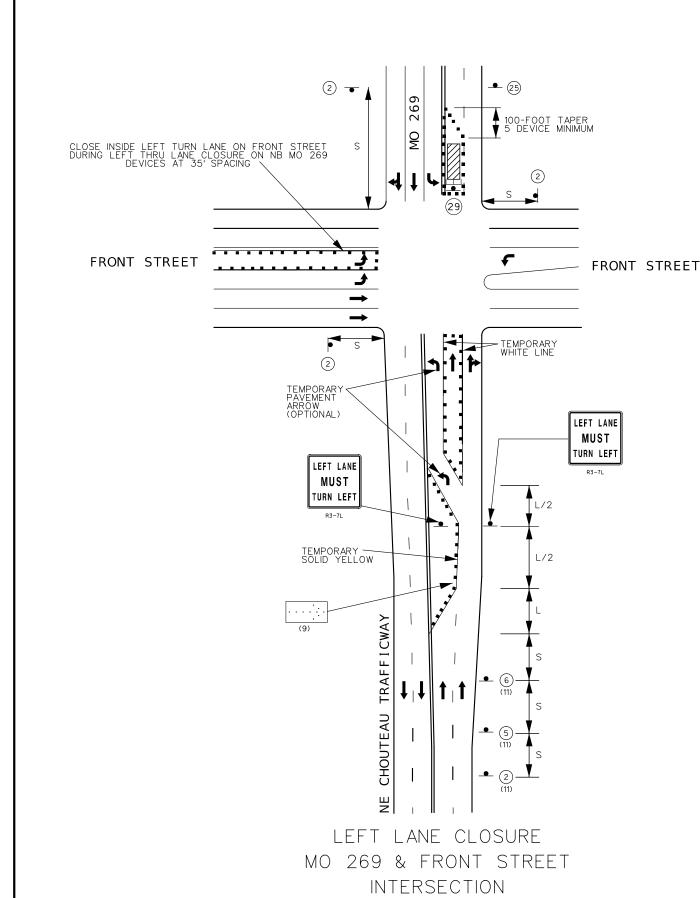
(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

SHOULDER WORK
MINOR ENCROACHMENT
TEMPORARY
TRAFFIC CONTROL
SHEET 4 OF 7

NUMBER PE-201400007 S/ONAL E Godufich 07/25/2023 11:47:38 AM JODIE LYNN PUHR - CIVIL 7/17/2023 269 MO KC 10 JACKSON J4S3452 CONTRACT ID. PROJECT NO. BRIDGE NO

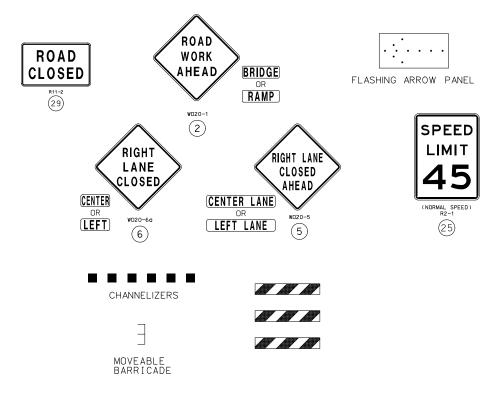


JODIE LYNN PUHR NUMBER PE-2014000073 S/ONAL E O7/25/2023 11:48:05 AM JODIE LYNN PUHR - CIVIL MO-PE-2014000073 7/17/2023 MO SHEET NO 11 JACKSON J4S3452 CONTRACT ID. PROJECT NO. BRIDGE NO



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 SUFFICENT 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.



JODIE LYNN
PUHR
NUMBER
PE-2014000073
PE-2014000073
JODIE LYNN
POISSAGRASS 1148-82 AM
JODIE LYNN PUHR - CYNL
MCPE-2014000073

7/17/2023

ROUTE STATE
269 MO
DISTRICT SHEET NO
KC 12

COUNTY

JACKSON

JOB NO.
J4S3452
CONTRACT ID.

PROJECT NO.

BRIDGE NO

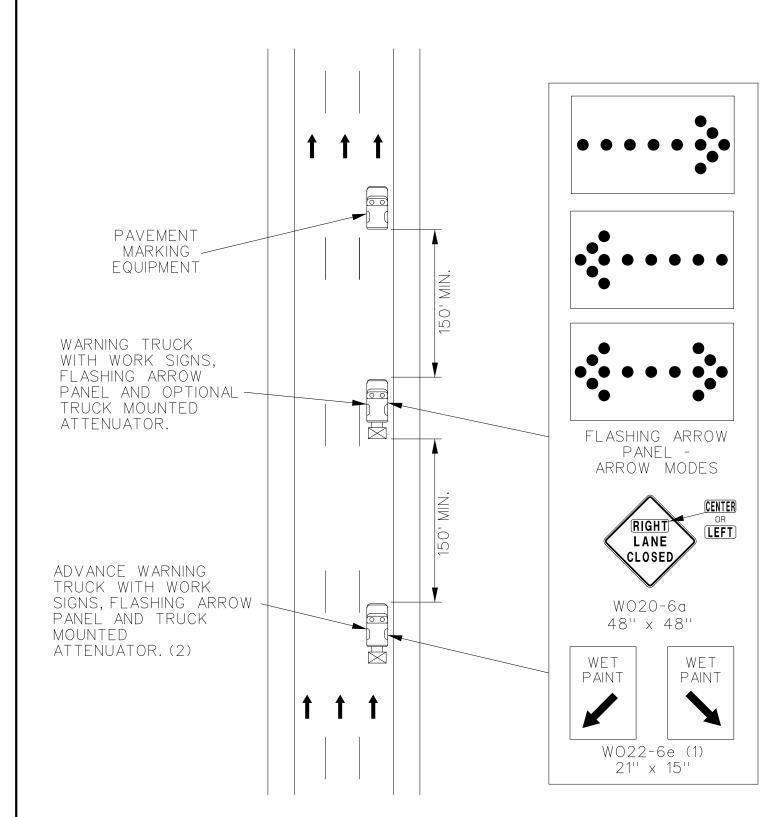
DESCRIPTION

SSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MODOT

105 WEST CAPITOL
LIFFERSON CITY, MO 65107

LEFT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE ONLY
TEMPORARY
TRAFFIC CONTROL
SHEET 6 OF 7



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

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.

7/17/2023 269 MO KC 13 JACKSON J4S3452 CONTRACT ID. PROJECT NO. BRIDGE NO.

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