DESIGN DESIGNATION

V = 45/55 M.P.H.

A.A.D.T. - 2021 = 7764 A.A.D.T. - 2031 = 8119

D = 50%

FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

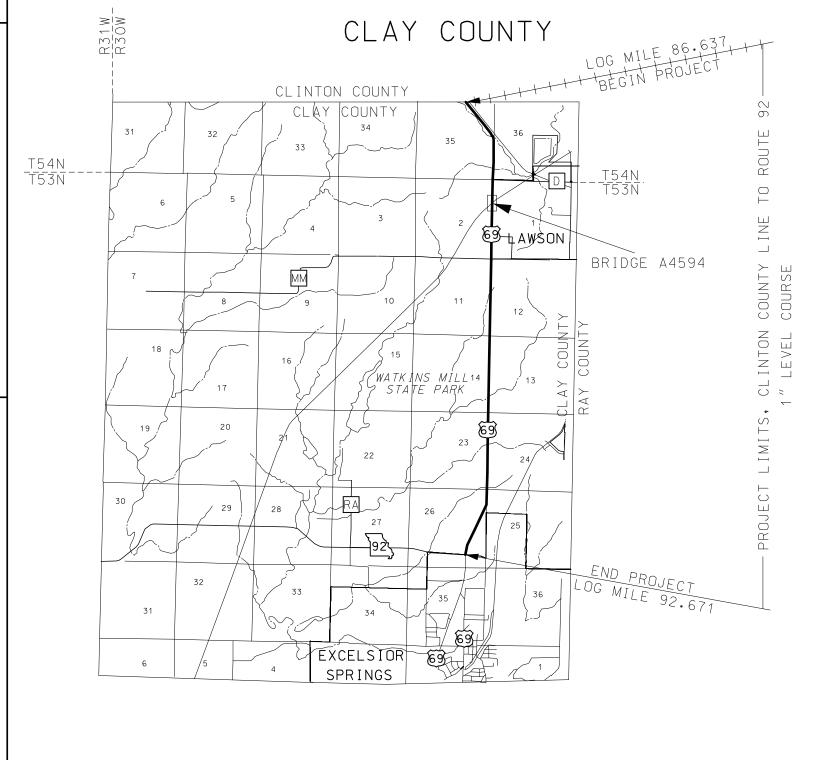
CONVENTIONAL SYMBOLS

EXISTING ニュニコ BUILDINGS AND STRUCTURES •••• GUARD RAIL 0000 •••• GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER 0 LOCATION SURVEY MARKER UTILITIES -F0--F0- FIBER OPTICS -OTV-OVERHEAD CABLE TV -UTV-- OT -- UT -- OE -- UE -- SS -—UTV— —OT— —UT— UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OE OVERHEAD POWER —UE —S —SS UNDERGROUND POWFR SANITARY SEWER STORM SEWER WATER SAN HYD MANHOLE FIRE HYDRANT WATER VALVE WATER METER " DROP INLET = DITCH BLOCK GROUND MOUNTED SIGN LIGHT POLE \Box H-FRAME POWER POLE TELEPHONE PEDESTAL Δ FENCE CHAIN LINK WOVEN WIRE GATE POST \boxtimes ^{BM}⊗ BENCHMARK

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY



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.

SCALE IN MILES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (5 SHEETS)	3
SPECIAL SHEETS (SS)	4-6
TRAFFIC CONTROL SHEETS (TC)	7-12
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NU PE-20	MBER WINDONGATED AND ATED ATED AND ATED ATED ATED ATED ATED ATED ATED ATE				
	PREPARED				
	/2021				
ROUTE	STATE				
69	MO				
DISTRICT	SHEET NO.				
KC	1				
	UNTY				
	_AY				
	3 NO.				
•	3346				
CONTR	ACT ID.				
PROJECT NO.					
BRID	GE NO.				

LENGTH OF PROJECT

BEGINNING OF PROJECT LOG MILE 86.637
END OF PROJECT LOG MILE 92.671

APPARENT LENGTH 6.034 MILES

EQUATIONS AND EXCEPTIONS:

BRIDGE A4594 0.040 MILES
BEGINNING OF BRIDGE LOG MILE 88.039
END OF BRIDGE LOG MILE 88.079

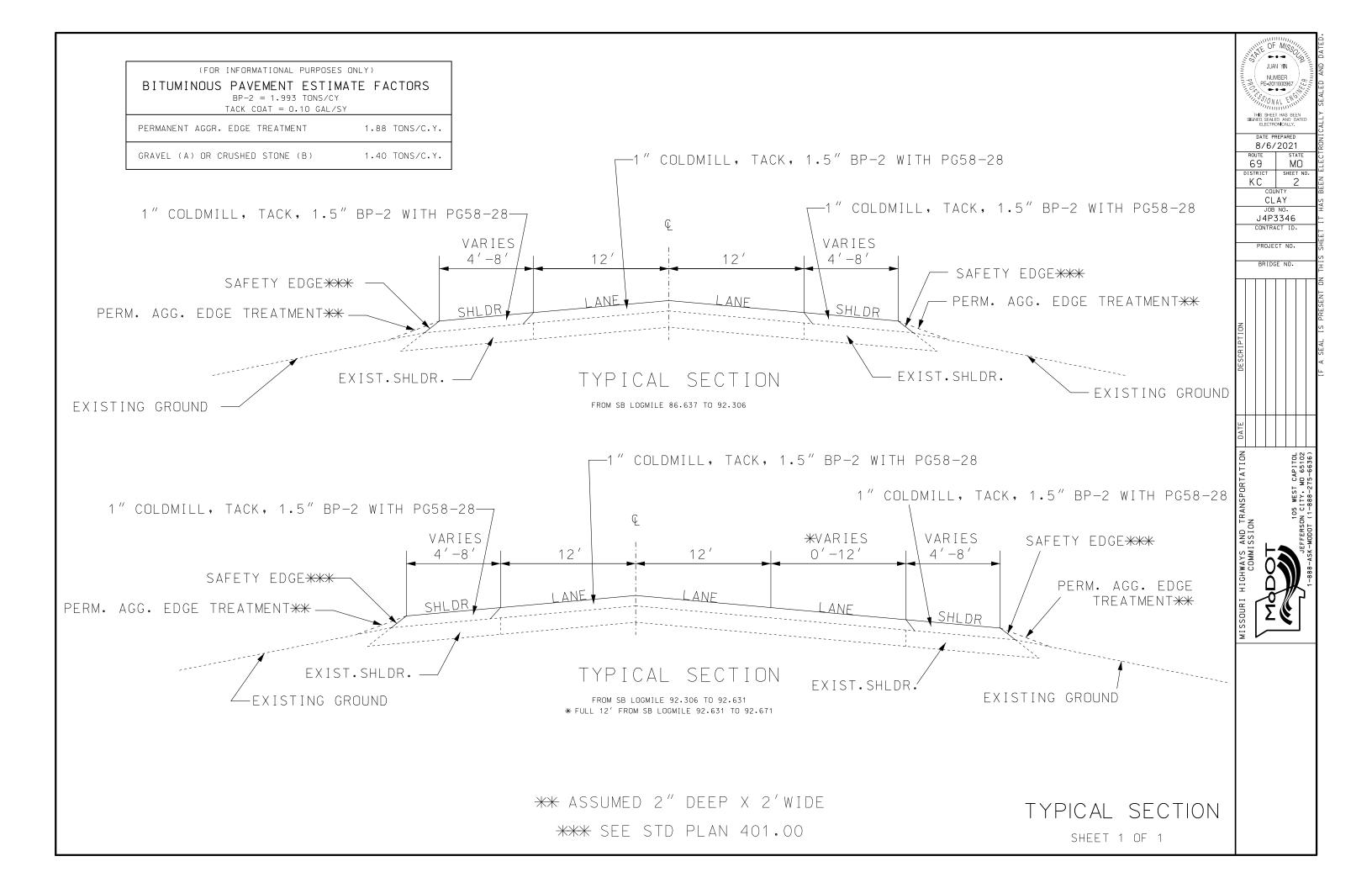
TOTAL CORRECTIONS 0.040 MILES

NET LENGTH OF PROJECT 5.994 MILES

STATE LENGTH 5.994 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0 ACRES





	REN	MOVAL OF IMPROVEME	NTS		
LOG	LOG	ITEMS	LENGTH	QUANTITY	REMARKS
MILE	MILE		(FT)	CWET	
START	END				
		SOUTHBOUND	•		
88.008	88.048	GUARDRAIL AND CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
88.088	88.109	GUARDRAIL AND CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
90.495	90.654	GUARDRAIL AND CWET	850	2	REPLACE ALL NON-SKT END TERMINALS
91.093	91.213	CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
		NORTHBOUND	,		
30.505	30.605	CWET	100	2	REPLACE ALL NON-SKT END TERMINALS
31.065	31.284	GUARDRAIL AND CWET	1162.5	2	REPLACE ALL NON-SKT END TERMINALS
33.602	33.642	GUARDRAIL AND CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
33.682	33.722	GUARDRAIL AND CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
	TOTAL		1 LUMP SUM		

MOBILIZATION
1 LUMP SUM

						ASPHALT QUANTITIES				
LOG	LOG	NOTES	LENGTH	WIDTH	TOTAL WIDTHS	1.5" BITUMINOUS PAVEMENT MIXTURE	TACK	1.0" COLDMILLING	MODIFIED COLD	ADDITIONAL NOTES
MILE	MILE		(FT)	(FT)	OF	PG58-28, (BP-2)	COAT	(SY)	MILLING	
START	END		`' ' ′		SHOULDERS	(TONS)	(GAL)	(31)	(SY)	
STAILT	LIND					(TONS)	(GAL)		(31)	
					(FT)	SOUTHBOUND				
86.637	86.642	1	28.9	24	4	4.3	18	0	177.8	
86.642	88.019		7265.6	24	4	2145.2	2583	25833.2	0	
88.019	88.028	BRIDGE EXCEPTION	50.0	24	4	7.4	2303	0	177.8	
88.068	88.077	BRIDGE EXCEPTION	50.0	24	8	9.2	0	0	222.2	
88.077	88.147	BINIDOL EXCELLION	367.1	24	8	135.5	163	1631.6	0	
88.147	88.229		433.0	24	6	143.8	173	1731.8	0	
88.229		PAVEMENT ENTRANCES		24	0	35.9	27	273.8	158.2	MODIFIED COLDMILL TO TRANISITON TO PAVEMENT ENTRANCES
88.260	88.329		366.0	24	6	121.6	146	1464.0	0	The state of the s
88.329		PAVEMENT ENTRANCES	96.0	24	0	21.3	6	56.9	199.1	MODIFIED COLDMILL TO TRANISITON TO PAVEMENT ENTRANCES
88.347	88.689		1804.8	24	6	599.5	722	7219.2	0	
88.689		PAVEMENT ENTRANCE		24	6	41.0	52	519.1	72.9	MODIFIED COLDMILL TO TRANISITON TO PAVEMENT ENTRANCE
88.717	92.114		17936.0	24	7	6288.7	7573	75729.8	0	
92.114	92.120	PAVEMENT ENTRANCE	32.0	24	4	8.3	9	94.7	19.1	MODIFIED COLDMILL TO TRANISITON TO PAVEMENT ENTRANCE
92.117	92.295		939.8	24	7	329.5	397	3968.2	0	
92.295	92.306	PAVEMENT ENTRANCE	57.0	24	6	15.8	19	194.7	33.3	MODIFIED COLDMILL TO TRANISITON TO PAVEMENT ENTRANCE
92.306	92.631		1717.1	30	6	665.4	801	8013.0	0	
92.631	92.662		163.7	36	6	72.5	87	873.0	0	
92.662	92.671		50.0	36	6	11.1	0	0	266.7	
						ENTRANCES/SIDE ROADS				
LOCA	TION	LOG		AREA		1.5" BITUMINOUS PAVEMENT MIXTURE	TACK	1.0" COLDMILLING	MODIFIED COLD	
		MILE		(SY)		PG58-28 (BP-2)	COAT	(SY)	MILLING	
						(TONS)	(GAL)		(SY)	
			<u> </u>			SOUTHBOUND	1 (0/12)		(31)	
SE FRED	EVAN RD	87.205		127.04		10.5	13	127	0	
RIVATE E	ENNTRANCE	87.266		61.88		5.1	6	62	0	
NE 192N		87.748		114.85		9.5	11	115	0	
NE 192N		87.748		80.29		6.7	8	80	0	
RIVATE E	ENNTRANCE	88.168		81.72		6.8	8	82	0	
NE 184	4TH ST	88.772		99.7		8.3	10	100	0	
RTE		88.772		110.22		9.2	11	110	0	
PRIVATE	ENTRANCE	88.998		40.66		3.4	4	41	0	
NE 174T		89.995		51.61		4.3	5	52	0	
NE 174T		89.995		76.47		6.4	8	76	0	
	ENTRANCE	90.075		37.01		3.1	4	37	0	
NE 166T		90.993		74.89		6.2	7	75	0	
NE 166T		91.013		106.54		8.8	11	107	0	
NE 162N		91.528		75.24		6.2	8	75	0	
	ID ST EB	91.532		67.84		5.6	7	68	0	
VICK		91.933		40.7		3.4	4	41	0	
RTE	-92	92.651		65.81		5.5	7	66	0	
		TOTAL				10753.8	12909	128916	1060	

WAYS AND TRANSPORTATION	DATE	DESCRIPTION				_						HIIII	.,,,,
COMMISSION								RO		SIG		PAC	11/2
			BR		CON		С	UTE 9 RIC	9/2	VED, S ELE	£88 11111	PE	ATE
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105 WEST CAPITOL			10.					st V	02	ND [ENG	3	,
JEFFERSON CITY, MO 65102							т NI 3	ате Ю	1		Sili) 3	
8-ASK-MODOT (1-888-275-6636)							٥,)	1	71111111	

	R	UMBLE	STRIPS	
LOG	LOG	LENGTH	NUMBER	LENGTH
MILE	MILE	(FT)	OF	OF STRIPS
START	END		STRIPS	(STA)
		SOUTH	BOUND	•
86.665	86.684	100.3	1	1.0
86.684	87.205	2750.9	2	55.0
87.246	87.748	2650.6	2	53.0
87.828	87.848	105.6	1	1.1
87.848	88.028	950.4	2	19.0
88.068	88.75	3601.0	2	72.0
88.772	89.975	6351.8	2	127.0
89.995	90.993	5269.4	2	105.4
90.993	91.033	211.2	1	2.1
91.033	91.513	2534.4	2	50.7
91.513	91.532	100.3	1	1.0
91.573	91.972	2106.7	2	42.1
91.972	92.013	216.5	1	2.2
92.013	92.297	1499.5	2	30.0
92.297	92.315	95.0	1	1.0
92.315	92.332	89.8	1	0.9
92.332	92.651	1684.3	2	33.7
	TOTAL			597.2

₩ DRAIN	★ DRAIN BASINS						
LOCATION	QUANTITY (EACH)						
SOUTH	BOUND						
88.033	1						
88.073	1						
NORTH	BOUND						
33.642	1						
33.682	1						
TOTAL	4						
A CEE CDECIVI	CHEET 3 OF 3						

* SEE	SPECIAL	SHEEL	3	UF	3	

₩ FU	RNISHING TY	PE 1 ROCK L	INER
LOCATION	LENGTH	QUANTITY	REMARKS
(LOGMILE)	(FT)	(CY)	
	SOUTH	BOUND	
91.075	15	4	** LEFT
91.153	8	2	₩₩ RIGHT
TOTAL		6	

FILL IN ERODED NEARBY ERODES SPOTS WITH AGGRIGATE FOR EROSION CONTROL
FURNISH IN PLACE

							** 1 01(111311 111 1	LACL	
				FULL DEP	TH PAVEMEN	T REPAIR			
LOG	LENGTH	WIDTH	AREA	FURNISHING	SUBGRADE	TYPE 1 OR 5	DOWEL BARS	FULL DEPTH	NOTES
MILE	(FT)	(FT)	(SY)	PLACING CONC.	COMPACTION	AGGREGATE	DRILL, FURN.	PVT. REPAIR	
	`` '	***	'''	FOR F.D.	6 IN. DEPTH			SAW CUTS	
					PVT. REPAIR			(LF)	
							(EACH)		
				(SY)	(SY) NORTHBOUND	(SY)			
20. 764	1 6 1	4.2	1 0 0	0.0		0.0	20	1 24	CDAVEL DRIVEWAY TO FAT
29.364		12	8.0	8.0	0.8	0.8	20	24	GRAVEL DRIVEWAY TO EAT
9.446	_	12	8.0	8.0	0.8	0.8	20	24	GREEN SELF STOARGE TO WEST, SAME AS 92.269
29.865	6	12	8.0	8.0	0.8	0.8	20	24	AUNDRA LN
30.987		12	8.0	8.0	0.8	0.8	20	24	
31.137	16	12	21.3	21.3	2.1	2.1	40	48	LARGE ROUGH AREAS ON EITHER SIDE OF BOX CULVERT
31.163		12	32.0	32.0	3.2	3.2	50	60	EAROE ROOM AREAS ON ETHIER SIDE OF BOX COEVERY
31.910		12	8.0	8.0	0.8	0.8	20	24	
32.547		12	8.0	8.0	0.8	0.8	20	24	POND ON WEST SIDE, SAME AS 89.168
32.737		12	8.0	8.0	0.8	0.8	20	24	PRIVATE DRIVE WITH LAMPS, SAME AS 88.978
33.191		12	8.0	8.0	0.8	0.8	20	24	MAYBE PARTIAL, SAME AS 88.525
33.413		12	8.0	8.0	0.8	0.8	20	24	SAME AS 88.301
34.107		12	8.0	8.0	0.8	0.8	20	24	BOX CULVERT, SAME AS 87.607
34.484	6	12	8.0	8.0	0.8	0.8	20	24	
					SOUTHBOUND				
87.231		12	8.0	8.0	0.8	0.8	20	24	AFTER FRED EVANS RD, SAME AS 34.484
87.607		12	8.0	8.0	0.8	0.8	20	24	BOX CULVERT, SAME AS 34.107
87.791		12	8.0	8.0	0.8	0.8	20	24	FINISH LINE STATION
88.301		12	8.0	8.0	0.8	0.8	20	24	
88.525		12	8.0	8.0	0.8	0.8	20	24	SAME AS 33.191
88.978		12	8.0	8.0	0.8	0.8	20	24	PRIVATE DRIVE WITH LAMPS, SAME AS 32.737
89.168		12	8.0	8.0	0.8	0.8	20	24	POND ON WEST SIDE, SAME AS 32.547
89.328		12	8.0	8.0	0.8	0.8	20	24	PRIVATE DRIVE WITH TWO WHITE FENCES
90.522		12	32.0	32.0	3.2	3.2	50	60	LARGE ROUGH AREAS ON EITHER SIDE OF CULVERT
90.578		12	21.3	21.3	2.1	2.1	40	48	IN LINE WITH DILL DOADD TO THE STOT
91.887		12	8.0	8.0	0.8	0.8	20	24	IN LINE WITH BILLBOARD TO THE EAST
92.040		12 12	8.0	8.0	0.8	0.8	20 20	24	AFTER VICKIE DR GREEN SELF STORAGE TO WEST, SAME AS 29.446
32.269		12	8.0						GREEN SELF STURAGE TO WEST, SAME AS 29.446
	TOTAL			282.7	28.3	28.3	620	744	

JUAN YIN DATE PREPARED 9/20/2021 ROUTE STATE
69 MO
DISTRICT SHEET NO.
KC 3 CLAY JOB NO.
J4P3346
CONTRACT ID. PROJECT NO. BRIDGE NO.

			PARTIA	AL DEPTH PAVEMENT	REPAIR
LOG	LENGTH	WIDTH	REMOVAL FOR	FURNISH/PLACE	NOTES
MILE	(FT)	(FT)		CLASS C PARTIAL DEPTH	
WILLE	`' ' /	(117	(SY)	(TON)	
			(31)		
00 707		4.0		SOUTHBOUND	I DIGHT AFTER FACIL OTHER
86.793	4	12	5.3	1.8	RIGHT AFTER EACH OTHER
86.852	4	12	5.3	1.8	
86.907	4	12	5.3	1.8	
86.941 87.016	4	12 12	5.3 5.3	1.8	
87.323	4	12	5.3	1.8	
87.769	4	12	5.3	1.8	AFTER RT D INTERSECTION
88.301	4	12	5.3	1.8	SAME AS 33.413
88.400	4	12	5.3	1.8	STONE CHURCH SIGN
88.629	4	12	5.3	1.8	SAME AS 33.085
88.756	4	12	5.3	1.8	BEFORE RT MM
88.803	4	12	5.3	1.8	AFTER RT MM, SAME AS 32.912
88.877	4	12	5.3	1.8	PRIVATE DRIVEWAY
89.843	4	12	5.3	1.8	LONG WHITE FENCE, 6TH TREE, SAME AS 31.847
89.947	4	12	5.3	1.8	BEFORE 174TH ST
90.069	4	12	5.3	1.8	BETWEEN 2 DRIVEWAYS, SAME AS 31.646
90.184	4	12	5.3	1.8	
90.949	4	12	5.3	1.8	GRAVEL LOT ON WEST SIDE, SAME AS 30.766
91.094	4	12	5.3	1.8	END OF GUARDRIAL, SAME AS 30.621
91.463	4	12	5.3	1.8	BEFORE 162ND ST
91.691	4	12	5.3	1.8	BEFORE ROBYN LN, SAME AS 30.024
91.731	4	12	5.3	1.8	JUST AFTER BEGINNING OF TREE LINE TO THE WES
92.127	4	12	5.3	1.8	PRIVATE DRIVEWAY TO THE WEST WITH STONE WAL
92.393	4	12	5.3	1.8	START OF TREELINE ON WEST SIDE
92.466	4	12	5.3	1.8	END OF TREELINE
92.524	4	12	5.3	1.8	SAME AS 29.191
				NORTHBOUND	
29.191		12	5.3	1.8	SAME AS 92.524
29.496	4	12	5.3	1.8	
29.675	4	12	5.3	1.8	
30.024	4	12	5.3	1.8	AFTER ROBYN LN, SAME AS 91.691
30.092	4	12	5.3	1.8	
30.122	4	12	5.3	1.8	
30.309	4	12	5.3	1.8	
30.345	4	12	5.3	1.8	500 05 00000000000000000000000000000000
30.621	4	12	5.3	1.8	END OF GUARDRIAL, SAME AS 91.094
30.766	4	12	5.3	1.8	GRAVEL LOT ON WEST SIDE, SAME AS 90.949
31.546	4	12 12	5.3	1.8	BETWEEN 2 DRIVEWAYS, SAME AS 90.069
31.876	4	12	5.3	1.8	LONG WHITE FENCE, 6TH TREE, SAME AS 90.069
32,386	4	12	5.3	1.8	LONG WHILL PLINCE, OTH TREE, SAME AS 89.843
32.790	4	12	5.3	1.8	
32.912		12	5.3	1.8	BEFORE RT MM, SAME AS 88.803
33.085		12	5.3	1.8	SAME AS 88.629
33.446	4	12	5.3	1.8	HOLE IN RIGHT WHEEL PATH
33.855	4	12	5.3	1.8	MODE IN MIGHE LAND
34.361	4	12	5.3	1.8	
34,484	4	12	5.3	1.8	BEFORE FRED EVANS RD, SAME AS 87.231
34.582	4	12	5.3	1.8	3RD YELLOW ARROW AFTER FRED EVANS RD
34.594	4	12	5.3	1.8	4TH YELLOW ARROW AFTER FRED EVANS RD
34.735		12	5.3	1.8	FARM ENTRANCE TO THE WEST
35.020		12	5.3	1.8	
	UB-TOTA		272.0	91.8	
	JBT-TOTA		88.9	29.5	FROM SHOULDER REPAIR
					I NOW SHOOLDEN REPAIR
Р	AY-TOTA	L	360.9	121.3	

		PERMANENT	AGGRE	GATE EDG	E TREATMI	ENT X
LOG	LOG	LENGTH	WIDTH	AREA	PERMANENT	REMARKS
MILE	MILE	(FT)	(FT)	(SY)	AGG. EDGE	
					TREATMENT	
					(TONS)	
86.633	88.028	7365.6	2.0	1636.8	1538.6	
88.068	92.671	24303.8	2.0	5400.9	1890.3	
		-642.0	2.0	-142.7	-27.7	DEDUCT FOR GRAVEL ENTRANCES
		*BOTH SIDES		PAY TOTAL	3401.2	

	PE		NT PAVEMENT		
LOG	LOG	LENGTH	6" WATERBORNE	6" WATERBORNE	PERFORMED
MILE	MILE	(FT)	WHITE	YELLOW	THERMOPLASTIC
START	END		PAVEMENT	PAVEMENT	PAVEMENT
• • • • • • •				MARKING PAINT	
			TYPE L BEADS		24 IN. YELLOW
				= = == = =	
			(LF)	(LF)	(LF)
			SOUTHBOUND	-	
86.633	86.805	908.2	1816.3	1816.3	0.0
86.805	86.985	950.4	1900.8	1188.0	0.0
86.985	87.427	2333.8	4667.5	4667.5	0.0
87.427	87.547	633.6	1267.2	792.0	0.0
87.547	87.627	422.4	844.8	844.8	0.0
87.627	87.748	638.9	1277.8	798.6	0.0
87.748	87.768	105.6	0.0	211.2	0.0
87.768	87.828	316.8	633.6	633.6	0.0
87.828	87,928	528.0	1056.0	660.0	0.0
87,928	88,267	1789.9	3579.8	447.5	0.0
88,267	88,408	744.5	1489.0	930.6	0.0
88,408	88.748	1795.2	3590.4	3590.4	0.0
88.748	88.772	126.7	0.0 3231.4	253.4	0.0
88.772 89.078	89.078 89.257	1615.7 945.1	1890.2	3231.4 1181.4	0.0
89.257	89.378	638.9	1277.8	798.6	0.0
89.378	89.735	1885.0	3769.9	3769.9	0.0
89.735	89.875	739.2	1478.4	924.0	0.0
89.875	90.375	2640.0	5280.0	5280.0	0.0
90.375	90.614	1261.9	2523.8	1577.4	0.0
90.614	90.734	633.6	1267.2	792.0	0.0
90.734	90.993	1367.5	2735.0	2735.0	0.0
90.993	91.013	105.6	105.6	211.2	0.0
91.013	91.052	205.9	411.8	411.8	0.0
91.052	91.232	950.4	950.4	1188.0	0.0
91.232	91.333	533.3	1066.6	133.3	0.0
91.333	91.513	950.4	950.4	1188.0	0.0
91.513	91.673	844.8	1689.6	1056.0	0.0
91.673	91.752	417.1	417.1	104.3	0.0
91.752	91.952	1056.0	2112.0	1320.0	0.0
91.952	92.013	322.1	322.1	644.2	0.0
92.013	92.152	733.9	1467.8	917.4	0.0
92.152	92,293	744.5	744.5	930.6	0.0
92.293	92.592	1578.7	3157.4	3157.4	0.0
92.572	92.651	417.1	0.0	0.0	54.0
92.592	92,649	301.0	301.0	1203.8	0.0
	TOTAL		59273.3	49589.8	54.0

CLAY CLAY JOB NO. J4P3346 CONTRACT ID. PROJECT NO. BRIDGE NO.	DISTRICT SHEET NO STATE OF THE PROJECT NO. BRIDGE NO. BRIDGE NO.	JUAN YIN NUMBER PE-2011000967 THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY DATE PREPARED 9/20/2021 ROUTE STATE 69 MO DISTRICT SHEET NO. KC 3 COUNTY CLAY JOB NO. J4P3346 CONTRACT ID.	JUAN YN NUMBER PE-201100967 THE SHEET HAS BEEN SIGNED SPARED AND DATED ELECTRONCALLY. DATE PREPARED 9/20/2021 ROUTE STATE 69 MO DISTRICT SHEET NO. KC 3 COUNTY CLAY JOB NO. J4P3346 CONTRACT ID. PROJECT NO.
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GRAVEL	ENTRANCE	S (GRAV	EL A OR	CRUSHED	STONE)
LOG	LT/RT	LENGTH	WIDTH	AREA	GRAVEL
MILE		(FT)	(FT)	(SY)	(TONS)
		SOUTH	BOUND		
86.644	LT	30.0	10.0	33.3	1.3
86.665	RT	46.0	10.0	51.1	2.0
86.985	RT	20.0	10.0	22.2	0.9
87.205	LT	20.0	10.0	22.2	0.9
87.368	RT	14.0	10.0	15.6	0.6
87.387	RT	12.0	10.0	13.3	0.5
87.387	RT	12.0	10.0	13.3	0.5
87.427	LT	12.0	10.0	13.3	0.5
88.468	RT	20.0	10.0	22.2	0.9
88.488	LT	20.0	10.0	22.2	0.9
88.507	LT	12.0	10.0	13.3	0.5
88.879 89.078	LT	14.0	10.0	15.6 15.6	0.6
89.388	LT	14.0	10.0	15.6	0.6
89.557	LT	12.0	10.0	13.3	0.5
89.620	RT	20.0	10.0	22.2	0.9
89.698	RT	12.0	10.0	13.3	0.5
89.716	RT	12.0	10.0	13.3	0.5
89.878	LT	12.0	10.0	13.3	0.5
89.895	RT	20.0	10.0	22.2	0.9
90.075	RT	20.0	10.0	22.2	0.9
90.196	RT	12.0	10.0	13.3	0.5
90.276	LT	12.0	10.0	13.3	0.5
90.354	LT	20.0	10.0	22.2	0.9
90.354	RT	20.0	10.0	22.2	0.9
90.375	LT	12.0	10.0	13.3	0.5
90.734	RT	12.0	10.0	13.3	0.5
90.935	RT	20.0	10.0	22.2	0.9
90.972	RT	20.0	10.0	22.2	0.9
91.093	RT	14.0	10.0	15.6	0.6
91.113	LT	12.0	10.0	13.3	0.5
91.213	RT	12.0	10.0	13.3	0.5
91.274	RT	12.0	10.0	13.3	0.5
91.552	LT	12.0	10.0	13.3	0.5
91.632	LT	12.0	10.0	13.3	0.5
91.653	LT	12.0	10.0	13.3	0.5
91.712	LT LT	12.0	10.0	13.3	0.5
91.852 91.949	RT RT	12.0	10.0	13.3	0.5
92.332	LT	12.0	10.0	13.3	0.5
92.353	LT	12.0	10.0	13.3	0.5
	TAL	642.0	10.0	10.0	27.7
10	IAL	042.0			21•1

		GUARI	DRAIL						
LOG	LOG	OG COMPONENTS							
MILE	MILE	TYPE A CRASHWORTHY	MGS GUARDRAIL	MGS GUARDRAIL	CLASS III				
START	END	END TERMINAL (MASH)	(LF)	WITH 8' POSTS	SHAPING SLOPES				
		(EACH)		(LF)	(STA)				
	SOUTHBOUND								
88.008	88.048	1	0	0	0.75				
88.088	88.125	1	112.5	0	0.75				
90.495	90.654	2	0	750	1.5				
91.093	91.213	1	0	0	1.5				
		NORTH	BOUND						
30.505	30.605	2	0	0	1.5				
31.065	31.284	2	0	1062.5	1.5				
33.602	33.642	1	0	0	0.75				
33.682	33.722	1	0	0	0.75				
TO	TAL	11	112.5	1812.5	9				

			SHOULDER	REPAIR *		
LOG	LENGTH	WIDTH	REMOVAL FOR CLASS C	FURN/PLACE	NOTES	
MILE	(FT)	(FT)	P.D. PAVEMENT REPAIR	BITUMINOUS MATERIAL		
				CL C PARTIAL DEPTH REPAIR		
			(SY)	(TONS)		
	•		SOUTH	BOUND		
87.463	20	4	8.9	2.9		
91.387	20.00	4	8.9	2.9	PRIVATE DRIVEWAY TO WEST	
91.447	30	4	13.3	4.4	FIELD ENTRANCE TO EAST	
91.977	20	4	8.9	2.9	ACROSS FROM VICKIE DR	
92.127	10	4	4.4	1.5	PRIVATE DRIVEWAY TO THE WEST WITH STONE WALL	
			NORTH	BOUND		
31.520	40	4	17.8	5.9		
35.077	60	4	26.7	8.8	EXTENDS PAST COUNTY LINE 25 FT	
	TOTAL		88.9	29.5		
**SHOULDER REPAIRS ARE PAID FOR AS CLASS C PARTIAL PAVEMENT REPAIR						
DEPTH	ESTIMAT	ED TO E	BE 6 INCHES (SEE NEXT	SHEET FOR PAY TOTALS)		

	REN	MOVAL OF IMPROVEME	NTS		
LOG	LOG	ITEMS	LENGTH	QUANTITY	REMARKS
MILE	MILE		(FT)	CWET	
START	END				
		SOUTHBOUND			
88.008	88.048	CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
88.088	88.109	GUARDRAIL AND CWET	137.5	1	REPLACE ALL NON-SKT END TERMINALS
90.495	90.654	GUARDRAIL AND CWET	850	2	REPLACE ALL NON-SKT END TERMINALS
91.093	91.213	CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
		NORTHBOUND			
30.505	30.605	CWET	100	2	REPLACE ALL NON-SKT END TERMINALS
31.065	31.284	GUARDRAIL AND CWET	1162.5	2	REPLACE ALL NON-SKT END TERMINALS
33.602	33.642	CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
33.682	33.722	CWET	50	1	REPLACE ALL NON-SKT END TERMINALS
	TOTAL		1 LUMP SUM		



												EFFECTIVE: 10-01-2020
TOTAL QTY TOTALSIGN	il	П					l otv	TOTAL SIGN		İ		EFFECTIVE: 10-01-2020
	'		C 1 7 F	,	0.7.7							
SIZE AREA QTY AREA RELOC RELOC NUM.								RELOC NUM.				
SIGN IN SQ.FT. EACH SQ.FT. EACH SQ.FT.		SIGN	IN.	-		SQ.FT.		SQ.FT.		ITEM		
WARNING SIGNS	DESCRIPTION				GUID	DE SIG	INS		DESCRIPTION	NUMBER	QTY	DESCRIPTION
WO1-1L 48X48 16.00	TURN (SYMBOL LEFT ARROW)	E05-1	36X48	-					GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
WO1-1R 48X48 16.00	TURN (SYMBOL RIGHT ARROW)	E05-2		12.00					EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a							EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	G020-1		10.00					ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-3L 48X48 16.00	REVERSE TURN (SYMBOL LEFT ARROW)	G020-2	48X24	-		16.00			END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	G020-4	36X18			18.00			PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	1 — — —	42X30		4	35.00			PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	1 — — —	18X12						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
WO1-4bL 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)		P 36X24		6	36.00			WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
W01-4bR 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)		24X18	-					END DETOUR	6123000A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
W01-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	M04-9L	48X36	-					DETOUR (LEFT ARROW)	6161008	2	ADVANCED WARNING RAIL SYSTEM
W01-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R	48X36	-					DETOUR (RIGHT ARROW)	6161009		FLAG ASSEMBLY
W01-6 60X30 12.50	HORIZONTAL ARROW (SYMBOL)	M04-9P	48X12						STREET NAME (PLAQUE)	6161012		BUOYS (BOATS KEEP OUT)
W01-6a 72X36 18.00	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)		48X18	-					DETOUR (ARROW LEFT)	6161013		BUOYS (NO WAKE)
W01-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL) DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	MU4-10F	48X18	6.00		DECIII	A TODY	'SIGNS	DETOUR (ARROW RIGHT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
W01-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1	10 / 10	13.25		REGUL	<u>ATURT</u>		STOP	6161024	50	CHANNELIZER (TRIM LINE) WITH LIGHT CHANNELIZER (TRIM LINE)
W01-8 18X24 3.00 W01-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-1	48TRI.	-					YIELD	6161030	30	TYPE III MOVEABLE BARRICADE
W03-1 48X48 16.00	STOP AHEAD (SYMBOL)	R1-2a	36X36	-				 	TO ONCOMING TRAFFIC (PLAQUE)	6161031		TYPE III MOVEABLE BARRICADE WITH LIGHTS
W03-2 48X48 16.00	YIELD AHEAD (SYMBOL)	R1-3P	30X12	-					ALL WAY (PLAQUE)	6161033		DIRECTION INDICATOR BARRICADE
W03-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)	R2-1		-	a	108.00			SPEED LIMIT	6161034		DIRECTION INDICATOR BARRICADE, WITH LIGHT
W03-4 48X48 16.00	BE PREPARED TO STOP	'``	30,40	12.00	,	100.00			(3-35; 3-45; 3-55 MPH)	6161040	2	FLASHING ARROW PANEL
W03-5 48X48 16.00 6 96.00	SPEED LIMIT AHEAD (3-35 MPH, 3-45 MPH)	R3-1	48¥48	16.00					NO RIGHT TURN (SYMBOL)	6161047		TYPE III OBJECT MARKER
WO4-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-2		16.00					NO LEFT TURN (SYMBOL)	6161052		WARNING LIGHT, TYPE B
WO4-1R 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-3	36X36						NO TURNS	6161055		SEQUENTIAL FLASHING WARNING LIGHT
W04-1aL 48X48 16.00	MERGE (ARROW SYMBOL)	R3-4	48X48	-					NO U-TURN (SYMBOL)	6161070		TUBULAR MARKER
WO4-1aR 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7L	30X30	-					LEFT LANE MUST TURN LEFT	6161095		RADAR SPEED ADVISORY SYSTEM
W05-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R3-7R	30X30						RIGHT LANE MUST TURN RIGHT	0,0,000		CHANGEABLE MESSAGE SIGN,
W05-3 48X48 16.00	ONE LANE BRIDGE	R4-1		12.00					DO NOT PASS	6161096		COMMISSION FURNISHED/RETAINED
W05-5 48X48 16.00 1 16.00	NARROW LANES	R4-2		12.00					PASS WITH CARE			CHANGEABLE MESSAGE SIGN W/O COMM.
WO6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	-					KEEP LEFT (HORIZONTAL ARROW)	6161098A≯	₹ 2	INTERFACE, CONTRACTOR FURNISHED/RETAINED
WO6-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)	R4-7a	36X48						KEEP RIGHT (HORIZONTAL ARROW)			CHANGEABLE MESSAGE SIGN WITH COMM.
WO6-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1	30X30						DO NOT ENTER	6161099		INTERFACE, CONTRACTOR FURNISHED/RETAINED
WO7-3a 30X24 5.00 1 5.00	NEXT XX MILES (PLAQUE)	R5-1a	36X24	6.00					WRONG WAY	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO8-1 48X48 16.00	BUMP	R6-1L	54X18	6.75					ONE WAY ARROW (LEFT)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
WO8-2 48X48 16.00	DIP	R6-1R	54X18	6.75					ONE WAY ARROW (RIGHT)	6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS
WO8-3 48X48 16.00	PAVEMENT ENDS	R6-2L	24X30	5.00					ONE WAY (LEFT)			TEMPORARY TRAFFIC BARRIER
WO8-4 48X48 16.00	SOFT SHOULDER	R6-2R	24X30	5.00					ONE WAY (RIGHT)	6173600D		CONTRACTOR FURNISHED/RETAINED
WO8-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)	R9-9	24X12	2.00					SIDEWALK CLOSED			TEMPORARY TRAFFIC BARRIER
WO8-6 48X48 16.00	TRUCK CROSSING								SIDEWALK CLOSED AHEAD,	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED
WO8-6c 48X48 16.00	TRUCK ENTRANCE	R9-11L	24X18	3.00					(ARROW LEFT) CROSS HERE	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-7 36X36 9.00	LOOSE GRAVEL]							SIDEWALK CLOSED AHEAD,	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R9-11R							(ARROW RIGHT) CROSS HERE			TEMPORARY TRAFFIC BARRIER
W08-9 48X48 16.00	LOW SHOULDER		24X36							6176000B		COMMISSION FURNISHED/RETAINED
WO8-11 48X48 16.00 12 192.00	UNEVEN LANES	R11-2	48X30	10.00					ROAD CLOSED			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
W08-12 48X48 16.00 18 288.00	NO CENTER LINE	<u> </u>							ROAD CLOSED XX MILES AHEAD	6177000B		COMMISSION FURNISHED/RETAINED
W08-15 48X48 16.00	GROOVED PAVEMENT	R11-3a							LOCAL TRAFFIC ONLY	6208064A		TEMPORARY RAISED PAVEMENT MARKER
W08-15P 30X24 5.00	MOTORCYCLE (PLAQUE)	R11-4	_						ROAD CLOSED TO THRU TRAFFIC	9029400		TEMPORARY TRAFFIC SIGNALS
W08-17 48X48 16.00 12 192.00	SHOULDER DROP-OFF (SYMBOL)	CONST-3					-		FINE SIGN	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
W08-17P 30X24 5.00 12 60.00	SHOULDER DROP-OFF (PLAQUE)	CUNS I -3	3X 56X12	4.6/		MICO	1 1 4 4 4 7 -		SPEEDING/PASSING (PLATE)	6162004		SHORT-TERM RUMBLE STRIPS
W10-1 42RND. 9.62	RAILROAD CROSSING	CONCT	10770	12 00				OUS SIGNS	POINT OF PRESENCE	6162003		LONG-TERM RUMBLE STRIPS
W012-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-5	_			24.00						
W012-2 48X48 16.00	LOW CLEARANCE (SYMBOL) LOW CLEARANCE (PLAQUE)	CONST-5				16 00	-		POINT OF PRESENCE			
W012-2X 24X18 3.00 W012-2d 84X24 14.00		1	_			16.00			RATE OUR WORK ZONE]		
W012-2d 84X24 14.00 W012-4 120X60 50.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-7				24 00			RATE OUR WORK ZONE			
W012-5 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	CUNS I -C	40,00	12.00		24.00			WORK ZONE NO PHONE ZONE			
W013-1 30X30 6.25	ADVISORY SPEED (PLAQUE)	-										
W016-2 30X24 5.00	XXX FEET (PLAQUE)	1										TEMPORARY TRAFFIC CONTROL
W016-3 30X24 5.00	X MILE (PLAQUE)	1										
W020-1 48X48 16.00 24 384.00	ROAD/BRIDGE/RAMP WORK AHEAD	1										PAY TOTAL 1 LUMP SUM
W020-2 48X48 16.00	DETOUR AHEAD	1										* ITEMS NOT INCLUDED IN TEMPORARY
W020-2 46X46 16.00 W020-3 48X48 16.00	ROAD CLOSED AHEAD	1										TRAFFIC CONTROL - 1 LUMP SUM
W020-3 46X46 16.00 W020-4 48X48 16.00 4 64.00	ONE LANE ROAD AHEAD	1						+ + + -				
W020-5 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10	0.05			TOTAL						
W020-5 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD		RUCTIO	N SIG	2NS	1679	†					
W020-6d 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED	616-10		., 510	/110	1013		TOTAL				
W020-7d 48X48 16.00 4 64.00	FLAGGER (SYMBOL) WITH FLAGS	RELOC		IGNS				O				
W021-2 36X36 9.00	FRESH OIL	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		10110								
W021-5 48X48 16.00 1 16.00	SHOULDER WORK AHEAD	1										

SHOULDER WORK AHEAD BLASTING ZONE AHEAD

END BLASTING ZONE

WET PAINT (ARROW PIVOTS)

TURN OFF 2-WAY RADIO AND PHONE

W021-5 48X48 16.00 W022-1 48X48 16.00

WO22-2 42X36 10.50

W022-3 42X36 10.50 G022-1 21X15 2.19 2 4.38

SUMMARY OF QUANTITIES SHEET 5 OF 5

JUAN YIN

NUMBER PE-2011000967

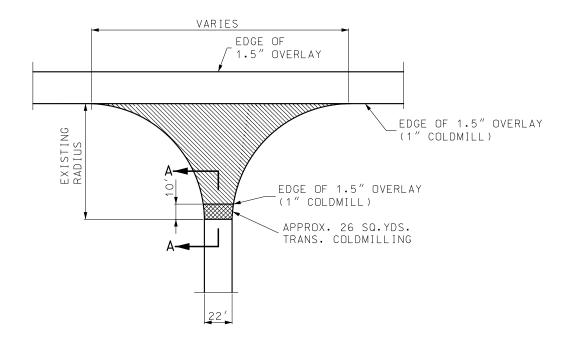
9/20/2021

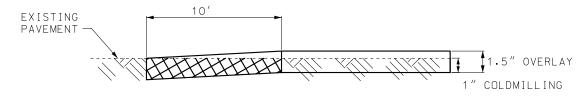
CLAY JOB NO.
J4P3346
CONTRACT ID.

PROJECT NO.

STATE MO SHEET NO.

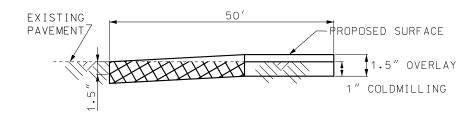
ROUTE 69 DISTRICT KC



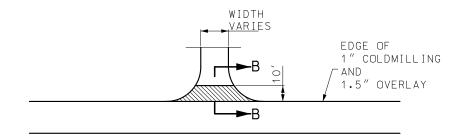


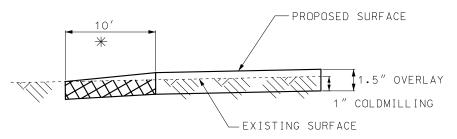
SECTION A-A

TYPICAL STATE ROUTE JUNCTION



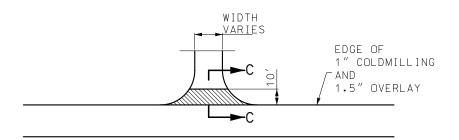
TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AND EXCEPTIONS

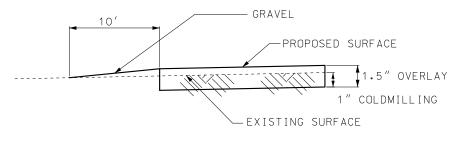




SECTION B-B

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



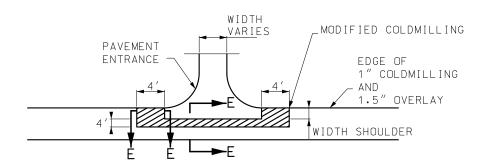


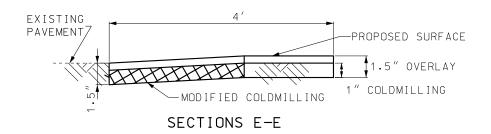
SECTION C-C

GRAVEL ENTRANCE (PAID AS PERM AGG. EDGE TREATMENT)

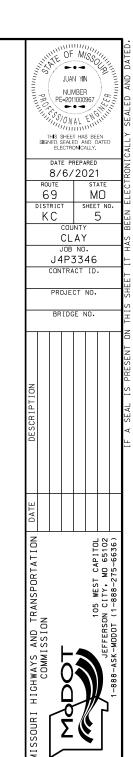
SPECIAL SHEET 1 OF 3

R (8/6 POUTE CONTI	DUNTY LAY	D21 STA M(MHEET 46 ID. NO.	NO.	
MISSOURI HIGHWAYS AND TRANSPORTATION	NOTICE HOLD COMMISSION		105 WEST CAPITOL	JEFFERSON CITY, MO 65102	-





MODIFIED COLDMILLING FOR PAVEMENT ENTRANCES



NOTE: REFER TO SPECIAL PROVISIONS FOR ADDITIONAL CONSTRUCTION DETAILS. JUAN YIN LEGEND NUMBER PE-2011000967 - CONCRETE TYPE 1 AGGREGATE 9/27/2021 ROUTE
69
DISTRICT
KC CLAY JOB NO.
J4P3346
CONTRACT ID. PROJECT NO. BRIDGE NO. ■ EXISTING DRAIN BASIN SAWCUT LINE WINGWALL — DRAIN BASIN REPAIR EDGE OF SHOULDER SAWCUT LINE ■ BEGIN/END OF BRIDGE EDGE OF PAVEMENT

STATE MO SHEET NO. 6

DRAIN BASIN REPAIR SPECIAL SHEET 3 OF 3

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		
MPH	10′	11′	12′	END TREATMENT (4)
LT 40	160′	168′	176′	BARRIER HEIGHT TRANSITION
GT 40	160′	168′	176′	APPROVED CRASH CUSHION

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

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

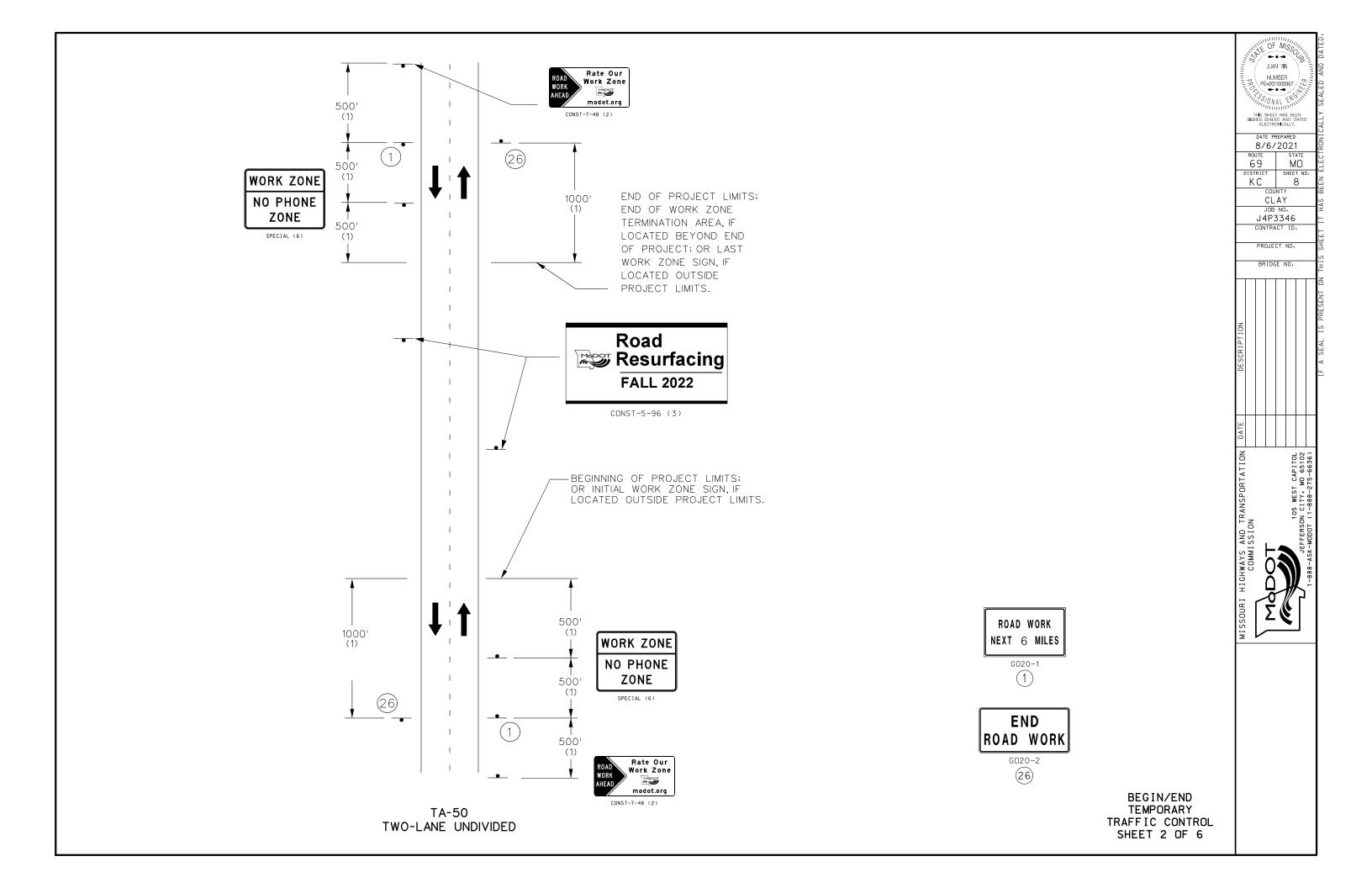
NOTE:

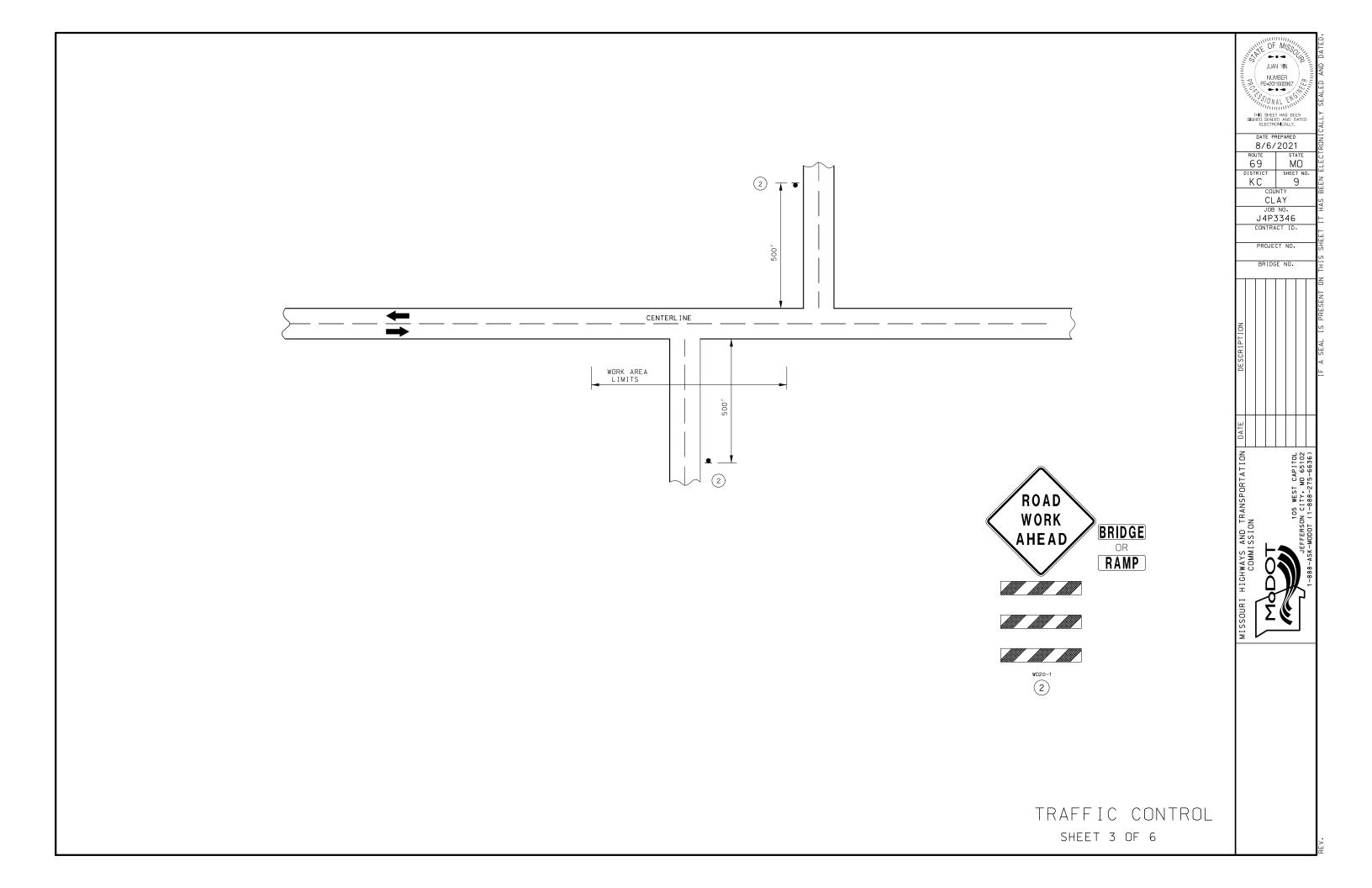
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

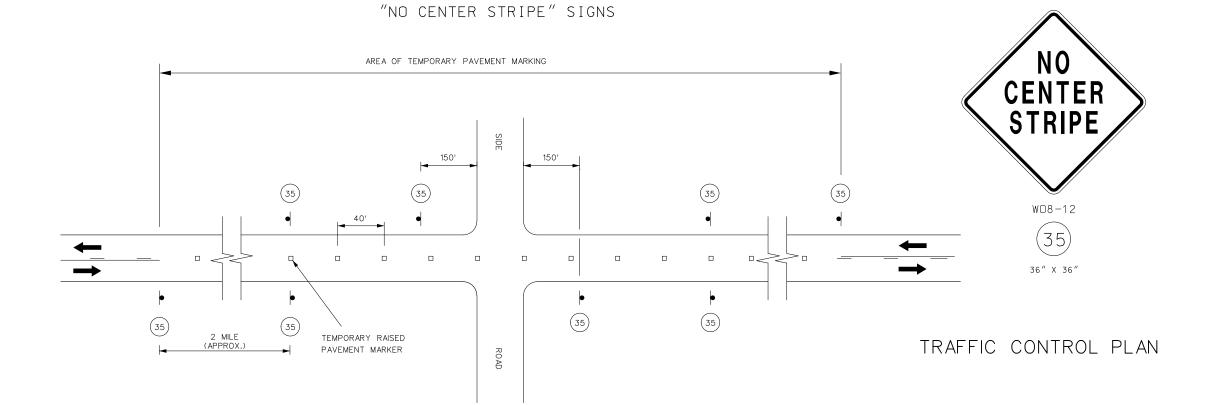
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JEFFERSON CITY, MO 65102

JUAN YIN

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
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 <i>′</i>	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′







NOTES:

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

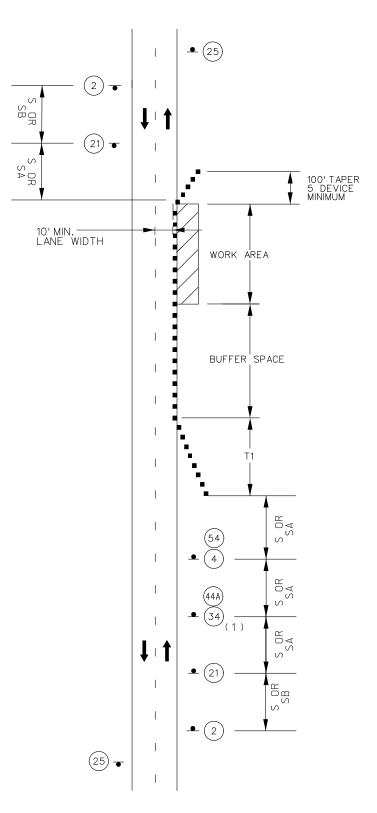
SIGN (35) IS PLACED AT APPROXIMATELY TWO MILE INTERVALS AND AT SIDE ROADS. WHEN SIGN (35) IS INSTALLED AT A SIDE ROAD, ANY OTHER SIGN (35) LOCATED WITHIN ONE-EIGHTH OF A MILE FROM THE SIDE ROAD MAY BE DELETED.

SIGN (35) SHALL BE POST MOUNTED IN ACCORDANCE WITH STANDARD PLANS 616.10 AND 903.03.

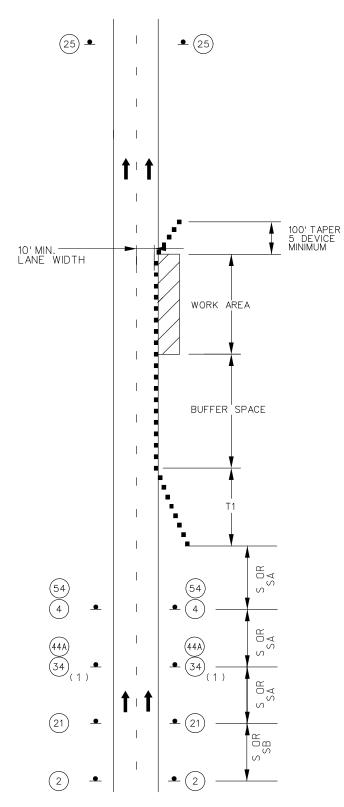
TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED BY THE END OF EACH DAY.



TRAFFIC CONTROL SHEET 4 OF 6



TWO LANE UNDIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT



MULTI-LANE DIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT





SPEED

LIMIT

(25)





SPEED LIMIT 45

(4)



wo20-1

SHEET 5 OF 6

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, 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 JUAN YN

NUMBER
PE-2011000967

WAL

WHIS SHEET HAS BEEN BEEN SIGNED SALED AND DATE DEPARED

8/6/2021

ROUTE
STATE
69

MO
DISTRICT
SHEET ND.
KC
11

COUNTY
CLAY
JOB NO.
J4P3346

CONTRACT ID.

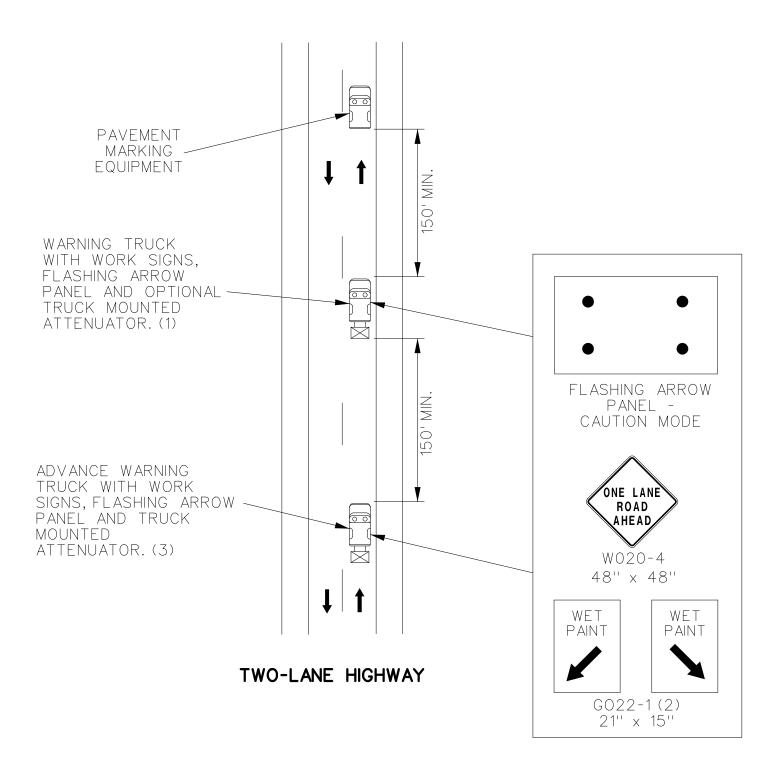
PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFERSON CITY: MG 65102
1-888-ASK-MODOT (1-888-275-6636)

TA-06



NOTES:

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

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

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

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

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

JUAN YIN 8/6/2021 69 KC 12 CLAY J4P3346 CONTRACT ID. PROJECT NO. BRIDGE NO.

MOVING OPERATION ON HIGHWAY OPEN TO TRAFFIC

TA-17A

MOVING OPERATION
OPEN TO TRAFFIC
TEMPORARY
TRAFFIC CONTROL
SHEET 6 OF 6