DESIGN DESIGNATION

V = 55 M.P.H.

ALT.

BASE - ROUTE D/MO-224 INTERSECTION A.A.D.T. - 2022 = 417

BASE - ROUTE D/US-24 INTERSECTION

A.A.D.T. - 2022 = 553

BASE - ROUTE D/ROUTE FF INTERSECTION 1 A.A.D.T. - 2022 = 1,169

BASE - ROUTE D/ROUTE FF INTERSECTION 2

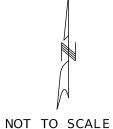
A.A.D.T. - 2022 = 1,126ADD ALT. A - ROUTE FF/ROUTE D INTER. 1

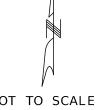
A.A.D.T. - 2022 = 482

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

LAFAYETTE COUNTY





LOCATION OF LAFAYETTE COUNTY R29W | R28W NAPOLEAN BEGIN BASE PROJECT SB LOG MI. 0.000 EXCEPTION: US HWY 24 MDD EXCEPTION: BR B0288 T50N BASE - ROUTE D RESURFACING (1R) CONTRACT LEVELING COURSE (CLC) T49N T50N T49N END BASE PROJECT SB LOG MI. 9.700 MDD (70) BATES CITY R29W | R28W JOB NO. JKRM0042 ADD ALT. A - ROUTE FF RESURFACING: CONTRACT LEVELING COURSE (CLC)

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEETS)	2
QUANTITIES (QU) (3 SHEETS)	3
SPECIAL SHEET (SS)	4
TRAFFIC CONTROL SHEETS (TC)	5 - 9

NUM PE-2016	ROWS IBER 6040670 AL EN 10.57:27 A ARROWS 016040670	M CIVIL	NICALLY SEALED AND DATED.
8/15			ROI
, FF		10	ELECT
KC	SHEI	1 NO.	BEEN
LAFA`	NTY YETT	ΓE	AS
JOB	NO.		Τ.
JKRM			<u>.</u> -
CONTRA		-	SHEET
PROJE	CT NO	•	S
BRIDO	GE NO.		둗
			S
			PRESENT
			ΙS
			EAL

LENGTH OF PROJECT

BEGINNING OF PROJECT

BASE - RTE D SB LOG MI. 0.000 ADD ALT. A - RTE FF EB LOG MI. 9.876

END OF PROJECT

BASE - RTE D SB LOG MI 9 700 ADD ALT. A - RTE FF EB LOG MI. 12.298

BASE - RTE D 51,216.00 FEET ADD ALT. A - ROUTE FF 12,788.16 FEET

EQUATIONS AND EXCEPTIONS:

BASE - RTE D SB LOG MI 0 691-0 699 BASE - RTE D NB LOG MI 9 256-9 248

-44.00 FEET

BR B0288 - SNI-A-BAR CREEK

BASE - RTE D SB LOG MI. 4.424-4.453

BASE - RTE D NB LOG MI . 9.256-9.248

-153.12 FEET

TOTAL CORRECTIONS

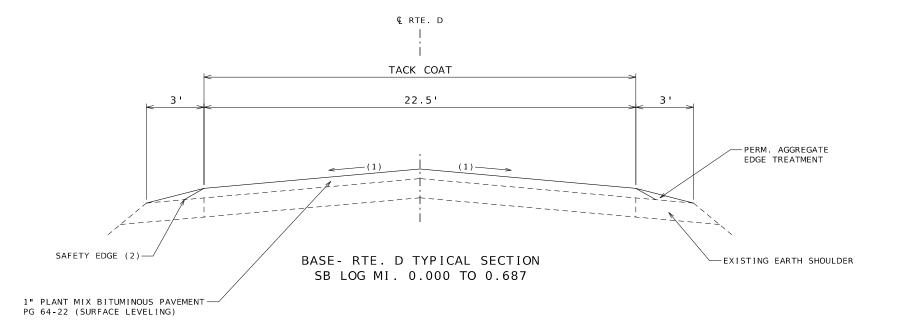
BASE - RTE D 197.12 FEET ADD ALT. A - RTE FF 0 FEET

NET LENGTH OF PROJECT

BASE - RTE D 51,018 88 FEET ADD ALT. A - RTE FF 12,788 16 FEET

STATE LENGTH

BASE - RTE D 9.663 MILES ADD ALT. A - RTE FF 2.422 MILES



BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.985 TON/YD ³
PERMANENT AGGREGATE EDGE TREATMENT	2.185 TON/YD ³
TACK COAT	0.08 GAL/YD ²
TACK COAT ON COLDMILLED SURFACE	0.10 GAL/YD ²

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

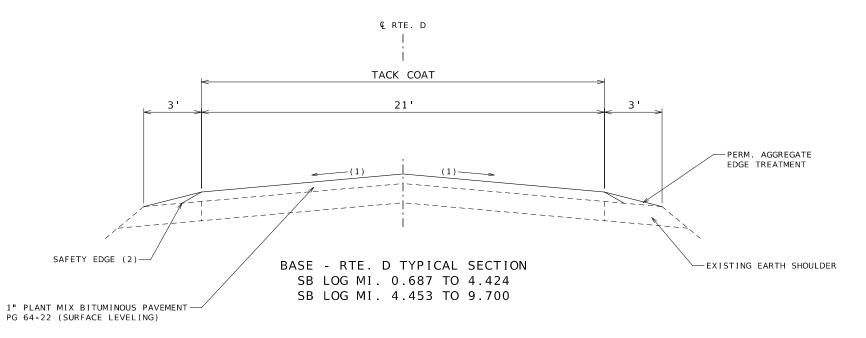
USE 25% OF SURFACE LEVELING MATERIAL TO ACCOUNT FOR IRREGULARITIES

USE 2% OF SURFACE LEVELING MATERIAL FOR SAFETY EDGE

(1) MATCH EXISTING

NOTE:

(2) SAFETY EDGE STD. 401.00C



BASE PROJECT TYPICAL SECTION SHEET 1 OF 2 PE-2016040670 MUMBER MUMBER BARROWS NUMBER PE-2016040670 MUMBER MUMBER BARROWS CIVIL MOPE-2016040670 MUMBER BARROWS CIVIL MOPE-2016040670 MUMPE-2016040670 MUMP

JOB NO.

JKRM0042

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

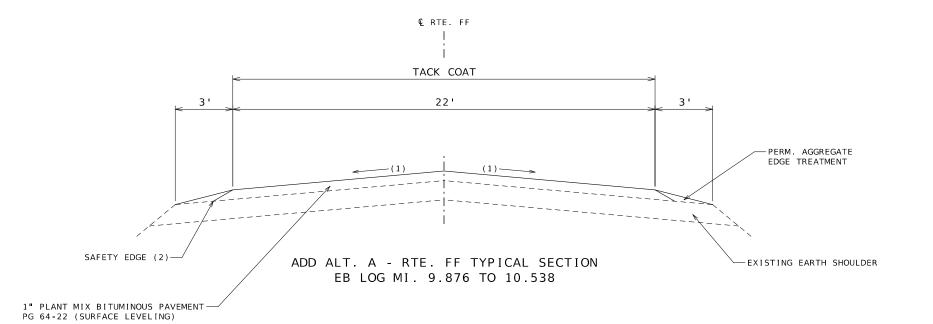
DATE
DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATIO
COMMISSION

MACDOT

105 WEST CAPITO
COMMISSION

105 WEST CAPITO
COMMISSION
COMMISS



BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.985 TON/YD ³
PERMANENT AGGREGATE EDGE TREATMENT	2.185 TON/YD ³
TACK COAT	0.08 GAL/YD ²
TACK COAT ON COLDMILLED SURFACE	0.10 GAL/YD ²

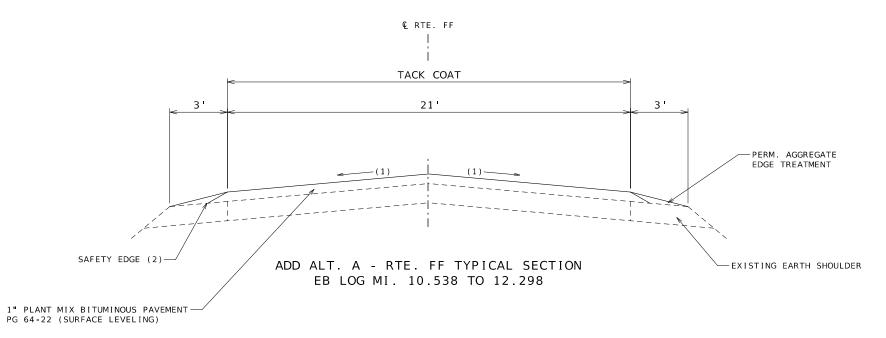
NOTE:

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

USE 25% OF SURFACE LEVELING MATERIAL TO ACCOUNT FOR IRREGULARITIES

USE 2% OF SURFACE LEVELING MATERIAL FOR SAFETY EDGE

- (1) MATCH EXISTING
 (2) SAFETY EDGE STD. 401.00C



ADD ALTERNATE A TYPICAL SECTION SHEET 2 OF 2

8/15/2023 D, FF MO KC LAFAYETTE JKRM0042 CONTRACT ID PROJECT NO. BRIDGE NO.

						BASE -	ROUTE D	ASPHALT QUAN	ITITIES		
BEGIN	END	LOCATION	LENGTH	AVERAGE	AGGREGATE	1" BITUMINOUS PAVEMENT MIXTURE	TACK	MODIFIED	PERMANENT	BASE ROCK	REMARKS
LOG	LOG			MAINLINE	EDGE	PG 64-22 SURFACE LEVELING	COAT	COLDMILLING	EDGE DROP OFF	TYPE 1 OR	
MILE	MILE			WIDTH	TREATMENT	1.985 TONS/CY		(DEPTH	TREATMENT	TYPE 5 AGGREGATE	
					width	·		TRANSITION)	TYPE 1 OR		
									TYPE 5 AGGREGATE		
			FT	FT	FT	TONS	GAL	SY	TON	TON	
0.000	0.009	SB RTE D	50.00	22.5	2	10143	GAL	136.11	1011	1011	BEGIN PROJECT
0.000	0.691	SB RTE D	3,648.48	22.5	2	502.93	729.70	130.11	197.82		FROM ROUTE 224 TO ROUTE 24
0.699	4.424	SB RTE D	19,668 00	1	2	2,530.43	3,671.36	127.78	1,066.41		FROM ROUTE 24 TO BR B0288
4.453	9.700	SB RTE D	27,704.16		2	3,564.35	5,171.44	127.78	1,502.13		FROM BR B0288 TO APPROX. 225 FT NORTH OF LOVE'S TRUCK STOP
9.691	9.700	SB RTE D	50.00	21	2			127.78			END PROJECT
6 ASPHAL	T ENTRANG	CES		,	,	10.57	15.83	158.33			
4 ASPHAL	T STATE F	ROUTES				25.78	40.36	403.61			RTE. D & HWY 24, RTE.D & RTE. FF INTERSECTIONS
3 ASPHAL	T STREETS	5				62.24	112.88	1,128.75			
6 CONCRE	TE ENTRAM	NCES						193.33			
79 GRAVE	L ENTRANG	CES								566.16	
6 GRAVEL	. STREETS	<u> </u>	·			<u> </u>				130.05	
2% FOR S	AFETY EDO	GE				133.93					
	IRREGULAR	RITIES				1,674.08					
TOTAL							9,741.57	2,403.47	2,766.36	696.21	
PAY TO	TAL					8,505	9,742	2,404] 3,	464	

				PAVEMENT MA	
BEGIN	END	LENGTH	4" YELLOW	INTERMITTENT	4" WHITE
LOG	LOG		WATERBORNE	4" YELLOW	WATERBORNE
MILE	MILE		P'VMT MARKING	WATERBORNE	P'VMT MARKING
			TYPE P BEADS	P'VMT MARKING	TYPE P BEADS
			ITTE T BEADS	TYPE P BEADS	ITTE T BEADS
				TIPE P BEADS	
		FT	LF	LF	LF
0.000	0.038	201	402.00	LI	L1
0.000	0.105	354	354.00	88.44	
0.105	0.105	950	1,900.00	00.44	
0.285	0.361	401	401.00	100.32	
0.361	0.443	433	866.00	100.32	
0.443	0.525	433	433.00	108.24	
0.525	0.697	908	1,816.00		
0.707	1.676	5,116	10,232.00		
1.676	1.949	1,441	1,441.00	360.36	
1.949	1.992	227	454.00		
1.992	2.203	1,114	1,114.00	278.52	
2.203	2.244	216		54.12	
2.244	2.393	787	787.00	196.68	
2.393	2.600	1,093	2,186.00		
2.600	2.911	1,642	1,642.00	410.52	
2.911	3.265	1,869	3,738.00		
3.265	3.466	1,061	1,061.00	265.32	
3.466	3.601	713		178.20	
3.601	3.686	449	449.00	112.20	
3.686	3.958	1,436	2,872.00		
3.736	4.424	3,633			7,266.00
3.958	4.102	760	760.00	190.08	
4.102	4.188	454		113.52	
4.188	4.417	1,209	1,209.00	302.28	
4.417	4.704	1,515	3,030.00		
4.704	4.793	470	470.00	117.48	
4.793	5.477	3,612	7,224.00	151 00	
5.477	5.592	607	607.00	151.80	
5.592	5.898	1,616	3,232.00	105.60	
5.898	5.978	422	422.00	105.60	
5.978 7.234	7.234	6,632	13,264.00	454.08	
7.578	7.578 7.635	1,816 301	1,816.00 602.00	434.08	
7.635	7.726	480	480.00	120.12	
7.726	7.726	607	1,214.00	120.12	
7.726	7.926	449	449.00	112.20	
7.926	7.926	227	454.00	112.20	
7.926	8 199	1,214	1,214.00	303.60	
SUB TO		1,214	68,595.00	4,123.68	7,266.00
200 10	171		00,393.00	4,123.00	7,200.00

	BA	ASE - ROUTE	D PERMANENT PA	VEMENT MARKI	NG
BEGIN	END	LENGTH	4" YELLOW	INTERMITTENT	4" WHITE
LOG	LOG		WATERBORNE	4" YELLOW	WATERBORNE
MILE	MILE		P'VMT MARKING	WATERBORNE	P'VMT MARKING
			TYPE P BEADS	P'VMT MARKING	TYPE P BEADS
			1112 1 82,183	TYPE P BEADS	1112 1 527.55
				TIFE F BEADS	
		F.T.			
		FT	LF	LF	LF
8.199	8.365	876	1,752.00		
8.365	8.428	333	333.00	83.16	
8.428	8.467	206	412.00		
8.467	8.573	560	560.00	139.92	
8.573	9.045	2,492	4,984.00		
9.045	9.179	708	708.00	176.88	
9.179	9.224	238		59.40	
9.224	9.422	1,045	1,045.00	261.36	
9.422	9.445	121	242.00		
9.445	9.700	1,346	1,346.00	336.60	
0.000	9.700	51,216			
SUB TO	TAL 2		11,382.00	1,057.32	0.00
SUB TO	TAL 1 +	SUB TOTAL 2	79,977.00	5,181.00	7,266.00
PAY TO	TAL		85,	158	7,266

		REMO\	/AL OF I	MPF	ROVEMEN	TS			
BEGIN	END	LOCATION	LENGTH		D	ESCI	RIPTIO	N	
LOG	LOG								
MILE	MILE								
			LF						
9.869	9.939	NB RT SHLDR	370.0	END	TERMINAL,	END	ANCHOR	AND	GUARDRAIL
PAY TO	TAL		1 LUMP SUM		•		<u> </u>		

	CLEARING AND GRUBBING									
BEGIN	END	LOCATION	CLEARING	REMARKS						
LOG	LOG		AND							
MILE	MILE		GRUBB I NG							
			AC							
9.869	9.939	NB RT SHLDR	0.5	ROUTE 224 INTERSECTION						
PAY TO	TAL		1							

	GUARDRAIL								
BEGIN	END	LOCATION	MGS GUARDRAIL	TYPE A					
LOG	LOG		8' POST,	CRASHWORTHY					
MILE	MILE		3 125' SPACING	END TERMINAL					
				MASH					
			LF	EA					
9.869	9.939	NB RT SHLDR	325.0	2					
PAY TO	TAL		325	2					

MOBILIZATION
1 = LUMP SUM

BASE PROJECT SUMMARY OF QUANTITIES SHEET 1 OF 3

WITHING	PROXILLE	PE	NUN -201	1BER 6040		WINEER OF THE PROPERTY OF THE	THUILINAM	SEALED AND DATED.
	HEA ⁻	08/15/ THER MO- DAT	2023 R. B. PE-20 E PI	11:02 ARRO 01604 REPA	:55 AM WS - 0670 ARED	CIVIL	L	RONICALLY
		UTE	F	/ 2		ATE		ELECTF
	K					т NG 3).	BEEN
	L	.AF	COU	ΥE	ТТ	Е		HAS
		JK	јов RM	100	42	_		LΙ
			TRA DJE			•		SHEET
			IDO		NO.			THIS
		DIN	. 100	, E 1	NO.			⊥ NO
								PRESENT
NO								SI
RIPTI								SEAL
ESCE								FA

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
1-888-ASK-MODOT (1-888-275-6636)

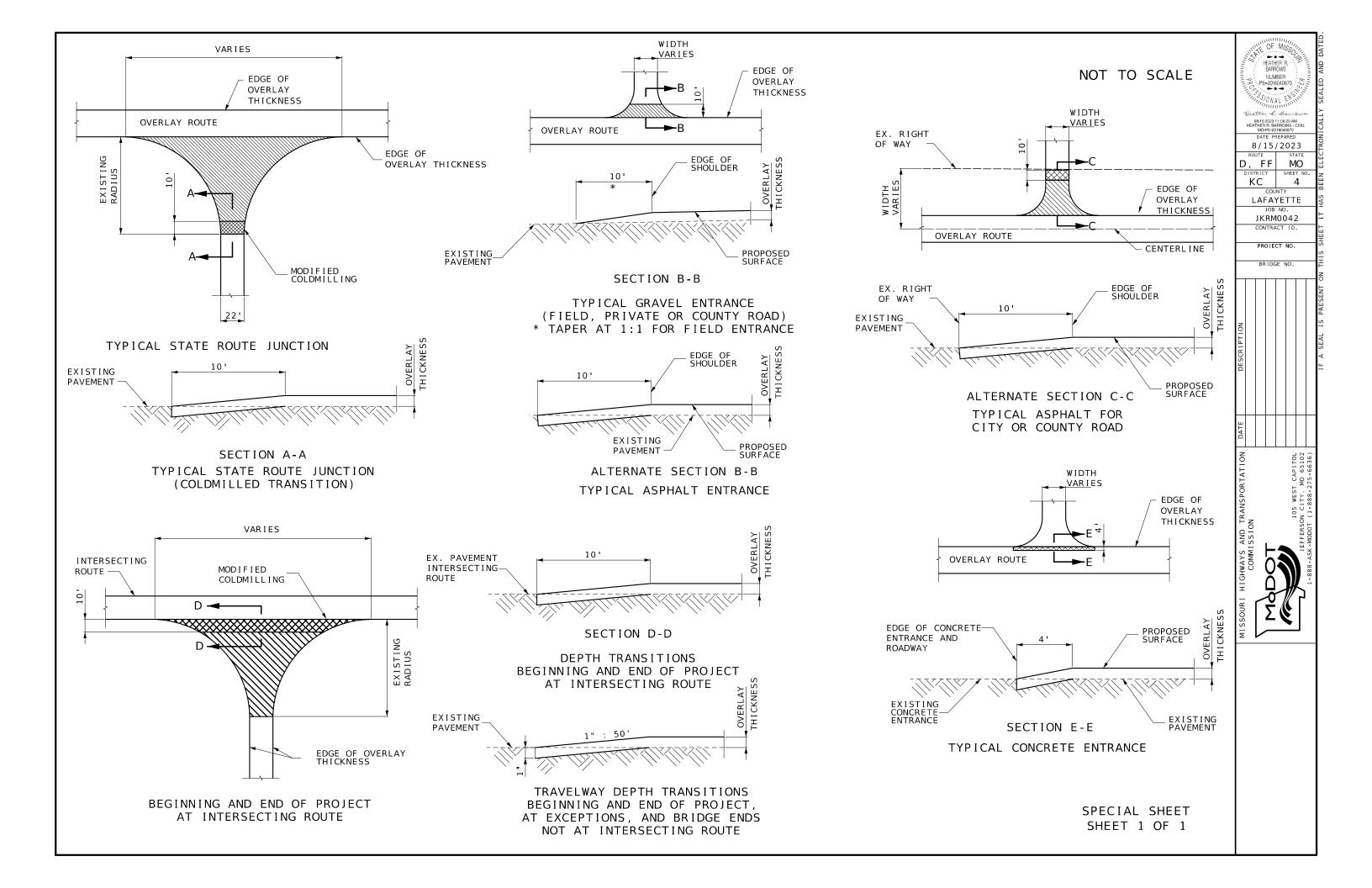
	ADD ALTERNATE A - ROUTE FF ASPHALT QUANTITIES										
BEGIN	END	LOCATION	LENGTH	AVERAGE	AGGREGATE	1" BITUMINOUS PAVEMENT MIXTURE	TACK	MODIFIED	PERMANENT	BASE ROCK	REMARKS
LOG	LOG			MAINLINE	EDGE	PG 64-22 SURFACE LEVELING	COAT	COLDMILLING	EDGE DROP OFF	TYPE 1 OR	
MILE	MILE			WIDTH	TREATMENT	1.985 TONS/CY		(DEPTH	TREATMENT	TYPE 5 AGGREGATE	
					WIDTH			TRANSITION)	TYPE 1 OR		
								,	TYPE 5 AGGREGATE		
			FT	FT	FT	TONS	GAL	SY	TON	TON	
9.876	9.885	EB RTE FF	50.00	22	2			133.33			BEGIN PROJECT
9.876	10.538	EB RTE FF	3,495.36	22	2	471.12	683.54		189.52		FROM JACKSON COUNTY LINE TO GILLISPIE ROAD
10.538	12.298	EB RTE FF	9,292.80	21	2	1,195.59	1,734.66		503.86		FROM GILLISPIE ROAD TO RTE. D
1 ASPHAL	T ENTRANC	CE				2.45	4.44	44.44			
2 CONCRE	TE ENTRAN	NCES						28.44			
16 GRAVE	L ENTRANC	CES								113.50	
4 GRAVEL	STREETS	•	·		·					311.25	
2% FOR S.	AFETY EDO	GE		•	·	33.38		_			
25% FOR	IRREGULAF	RITIES				425.64					
TOTAL						2,128.18	2,422.64	206.21	693.38	424.75	
PAY TO	TAL	•		•	·	2,129	2,423	207	1,	119	

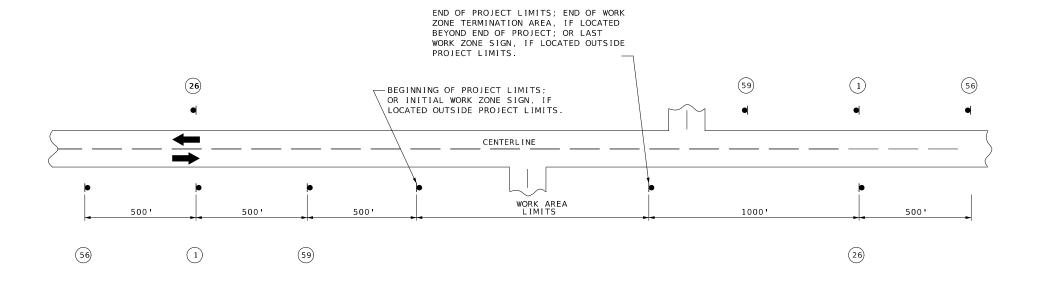
A	ADD ALTERNATE A - ROUTE FF PERMANENT PAVEMENT MARKING									
BEGIN	END	LENGTH	4" YELLOW	INTERMITTENT	4" WHITE					
LOG	LOG		WATERBORNE	4" YELLOW	WATERBORNE					
MILE	MILE		P'VMT MARKING	WATERBORNE	P'VMT MARKING					
			TYPE P BEADS	P'VMT MARKING	TYPE P BEADS					
				TYPE P BEADS						
		FT	LF	LF	LF					
9.876	12.298	12,788			25,576.00					
9.876	9.919	227	454.00							
9.919	10.232	1,653	1,653.00	413.16						
10.232	10.800	2,999	5,998.00							
10.800	10.906	560	560.00	139.92						
10.906	10.953	248	496.00							
10.953	11.055	539	539.00	134.64						
11.055	12.298	6,563	13,126.00							
TOTAL	TOTAL		22,826.00	687.72	25,576.00					
PAY TOTA	\L		23,	25,576						



				EFFECTIVE: 04-01-2023
TOTAL QTY TOTALS		QTY TOTAL :	l	
SIZE AREA QTY AREA RELOCRELOC	NUM.	SIZE AREA QTY TOTAL RELOC RELOC	NUM.	
SIGN IN. SQ.FT EACH SQ.FT. EACH SQ.FT.		SIGN IN SQ.FT EACH SQ.FT EACH SQ.FT.		ITEM TOTAL
WARNING SIGNS	DESCRIPTION	GUIDE SIGNS	DESCRIPTION	NUMBER QTY DESCRIPTION
WO1-1L	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)
WO1-1K 48X48 10.00	CURVE (SYMBOL LEFT ARROW)	E05-2a 48X36 12.00	EXIT CLOSED	6122010 IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	GO20-1 60X24 10.00 2 20	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 2 16	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 2 9	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 7 61.25	PILOT CAR IN USE WAIT & FOLLOW	6122019 IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4R 48X48 16.00 WO1-4bL 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW) DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	GO20-4a 18X12 1.50 9 13.5 GO20-5aP 36X24 6.00	PILOT CAR IN USE WAIT & FOLLOW WORK ZONE (PLAQUE)	6122020 REPLACEMENT SAND BARREL 6122030 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	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L 48X18 6.00	DETOUR (ARROW LEFT)	6161014 SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
WO1-7 60X30 12.50 WO1-7a 72X36 18.00	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL) DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	MO4-10R 48X18 6.00	DETOUR (ARROW RIGHT)	6161025 217 CHANNELIZER (TRIM LINE) 6161030 TYPE III MOVEABLE BARRICADE
WO1-74 72×36 18:00 WO1-8 18X24 3:00	CHEVRON (SYMBOL)	R1-1 48X48 13.25	STOP	6161033 DIRECTION INDICATOR BARRICADE
WO1-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI 6.93	YIELD	6161040 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	SIGNAL AHEAD (SYMBOL)	R2-1 36X48 12.00	SPEED LIMIT XX	6161070 TUBULAR MARKER
WO3-4 48X48 16.00 4 64	BE PREPARED TO STOP	R3-1 48X48 16.00	NO RIGHT TURN (SYMBOL)	6161095 RADAR SPEED ADVISORY SYSTEM
WO3-5 48X48 16.00 WO4-1L 48X48 16.00	SPEED LIMIT AHEAD	R3-2 48X48 16.00 R3-3 36X36 9.00	NO LEFT TURN (SYMBOL)	CHANGEABLE MESSAGE SIGN,
WO4-1E 48X48 16.00	MERGE (SYMBOL FROM LEFT) MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.00	NO TURNS NO U-TURN (SYMBOL)	6161096 COMMISSION FURNISHED/RETAINED 2 CHANGEABLE MESSAGE SIGN W/O COMM.
WO4-1aL 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7L 30X30 6.25	LEFT LANE MUST TURN LEFT	6161098A INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO4-1aR 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7R 30X30 6.25	RIGHT LANE MUST TURN RIGHT	CHANGEABLE MESSAGE SIGN WITH COMM.
WO5-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R4-1 36X48 12.00	DO NOT PASS	6161099 INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO5-3 48X48 16.00	ONE LANE BRIDGE	R4-2 36X48 12.00	PASS WITH CARE	6162000A WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-5 48X48 16.00	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 WO6-3 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL) TWO WAY TRAFFIC (SYMBOL)	R5-1 30X30 6.25 R5-1a 36X24 6.00	DO NOT ENTER WRONG WAY	6173600D CONTRACTOR FURNISHED/RETAINED 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	BUMP	R6-1R 54X18 6.75	ONE WAY ARROW (RIGHT)	6174000A TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-2 48X48 16.00	DIP	R6-2L 24X30 5.00	ONE WAY (LEFT)	6175010A RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-3 48X48 16.00	PAVEMENT ENDS	R6-2R 24X30 5.00	ONE WAY (RIGHT)	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)	- R9-11L 24X18 3.00	SIDEWALK CLOSED AHEAD,	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-6 48X48 16.00 WO8-6c 48X48 16.00	TRUCK CROSSING (WITH FLAGS) TRUCK ENTRANCE	R9-11L 24X18 3.00	(ARROW LEFT) CROSS HERE SIDEWALK CLOSED AHEAD,	6177000B COMMISSION FURNISHED/RETAINED 6208064A TEMPORARY RAISED PAVEMENT MARKER
WO8-7 36X36 9.00	LOOSE GRAVEL	R9-11R 24X18 3.00	(ARROW RIGHT) CROSS HERE	9029400 TEMPORARY TRAFFIC SIGNALS
WO8-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R10-6 24X36 6.00	STOP HERE ON RED (45^ ARROW)	9029401 TEMPORARY TRAFFIC SIGNALS AND LIGHTING
WO8-9 48X48 16.00	LOW SHOULDER	R11-2 48X30 10.00	ROAD CLOSED	
WO8-11 48X48 16.00 12 192	UNEVEN LANES	_	ROAD CLOSED XX MILES AHEAD	
WO8-12 48X48 16.00 7 112	NO CENTER LINE	R11-3a 60X30 12.50	LOCAL TRAFFIC ONLY	
WO8-15 48X48 16.00 WO8-15P 30X24 5.00	GROOVED PAVEMENT MOTORCYCLE (PLAQUE)	R11-4 60X30 12.50 CONST-3A 60X48 20.00	ROAD CLOSED TO THRU TRAFFIC FINE SIGN	
WO8-17 48X48 16.00 12 192	SHOULDER DROP-OFF (SYMBOL)	CONST-3X 56X12 4.67	SPEEDING/PASSING (PLATE)	
WO8-17P 30X24 5.00 12 60	SHOULDER DROP-OFF (PLAQUE)	MISCELLANEOUS SIGNS	JIEEDING/T/JOSING (TEXTE)	
W10-1 42RND. 9.62	RAILROAD CROSSING	CONST-5 48X36 12.00	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	RATE OUR WORK ZONE	
W012-2X 24X18 3.00	LOW CLEARANCE (PLAQUE)	CONST - 7 72X36 18 . 00	RATE OUR WORK ZONE	 -
WO12-2a 84X24 14.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-8 48X36 12.00 2 24	WORK ZONE NO PHONE ZONE	-
WO12-4 120X60 50.00	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD			-
WO13-1 30X30 6.25	ADVISORY SPEED (PLAQUE)	1 + + + + + + + + + + + + + + + + + + +		1
VO16-2 30X24 5.00	XXX FEET (PLAQUE)			-
VO16-3 30X24 5.00	X MILE (PLAQUE)			1
/O20-1 48X48 16.00 11 176	ROAD/BRIDGE/RAMP WORK AHEAD			
VO20-2 48X48 16.00	DETOUR AHEAD			-
/O20-3 48X48 16.00	ROAD CLOSED AHEAD	C1C 10 0F		J '
/O20-4 48X48 16.00 4 64 /O20-5 48X48 16.00	ONE LANE ROAD AHEAD RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10.05		· · · · · · · · · · · · · · · · · · ·
VO20-5 48X48 16.00 VO20-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10 TOTAL		· · · · · · · · · · · · · · · · · · ·
/O20-6a 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED	RELOCATED SIGNS		· · · · · · · · · · · · · · · · · · ·
VO20-7a 48X48 16.00 4 64	FLAGGER (SYMBOL, WITH FLAGS)			· · · · · · · · · · · · · · · · · · ·
O21-2 36X36 9.00	FRESH OIL			· · · · · · · · · · · · · · · · · · ·
/O21-5 48X48 16.00	SHOULDER WORK AHEAD			BASE PROJECT
/O22-1 48X48 16.00	BLASTING ZONE AHEAD	4		SUMMARY OF QUANTITIES
022-2 42X36 10.50	TURN OFF 2-WAY RADIO AND PHONE	4		SHEET 3 OF 3
022-3 42X36 10.50 022-1 21X15 2.19 4 8.76	END BLASTING ZONE WET PAINT (ARROW PIVOTS)	-		SHEEL S OF S
~~~ 1	THE LATER (ANNOW LIVOIS)	1		·

HEATHER R. BARROWS NUMBER PE-2016040670 ALL PREPARED / 15 / 20 23
TE STATE FF MO CLUT SHEET NO. PROJECT NO. BRIDGE NO.





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.

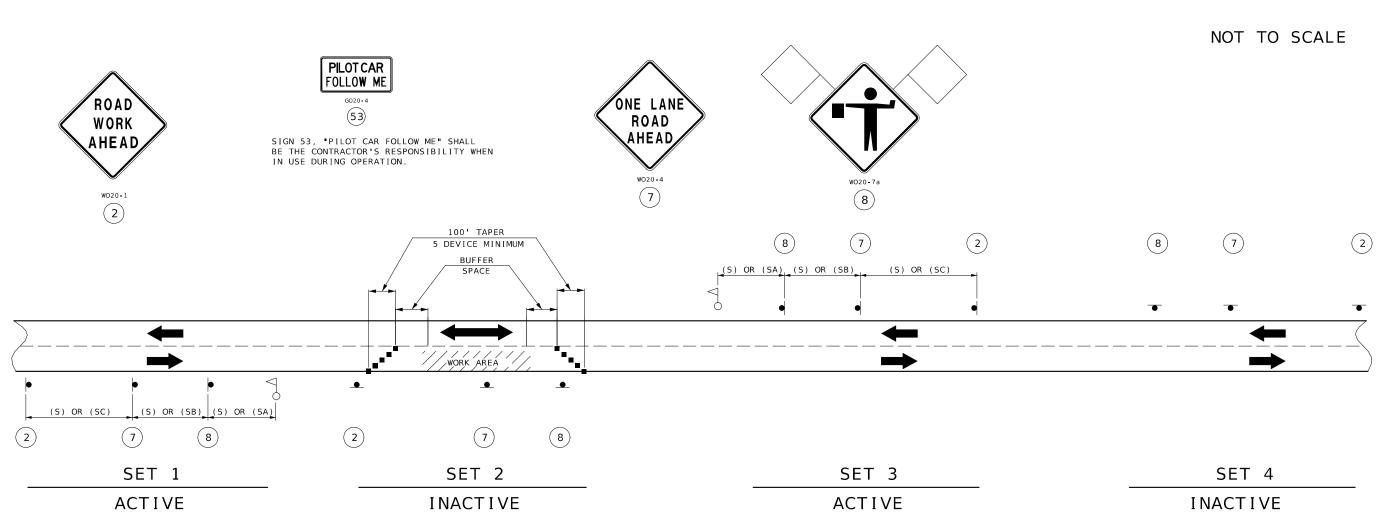












SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

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

- CHANNELIZERS

- FLAGGER

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

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

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

#### NOTES:

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

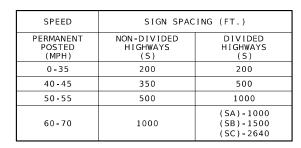
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

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

Heetter L. Banow 8/15/2023 D, FF MO SHEET NO KC 6 LAFAYETTE JKRM0042 CONTRACT ID PROJECT NO. BRIDGE NO.

HEATHER R. BARROWS

TRAFFIC CONTROL SHEET 2 OF 5



DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

NOTES: WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

- CHANNELIZERS ( AS SPECIFIED)

- FLAGGER

BRIDGE NO.

HEATHER R BARROWS

NUMBER PE-2016040670

Heatter & Banson

08/15/2023 11:10:06 AM HEATHER R. BARROWS - CIVIL MO-PE-2016040670 DATE PREPARED

8/15/2023

LAFAYETTE

JKRM0042 CONTRACT ID

PROJECT NO.

SHEET NO

7

D, FF MO

KC

AND EXTENDED 20 FT PAST ENTRANCE PILOT CAR IN USE WAIT & FOLLOW WO20-7a GO20-4a 8 (58) SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS

DETERMINED BY THE ENGINEER. * THE SMALLER 18" X 12" SIGN

58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).

PILOT CAR IN USE WAIT & FOLLOW

24° X 18° (60)

SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10BB SHEET 8 OF 9

SIDE ROADS ENTERING WORK ZONES

2

11

8

ROAD

WORK

AHEAD

WO20-1

2

(58)

(58)

42" X 30"

(8)

(11)

100' TAPER WITH 5 CHANNELIZER

MINIMUM

ROUTE

ш STATE CITY STREET COUNTY ROAD

CHANNELIZERS SPACED 5FT APART

PREPARED

WO3 - 4

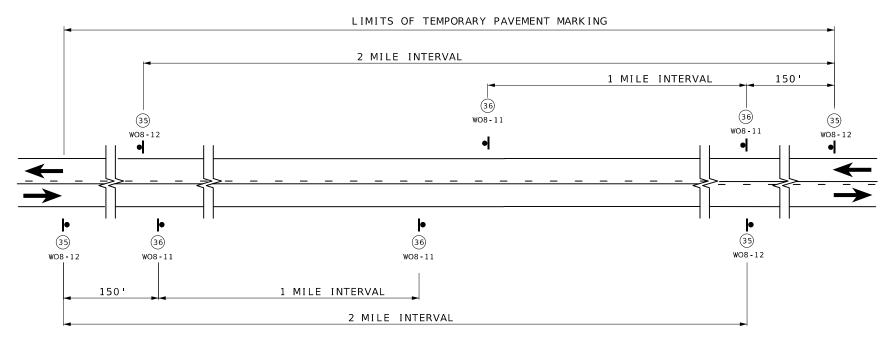
11

ENTRANCE

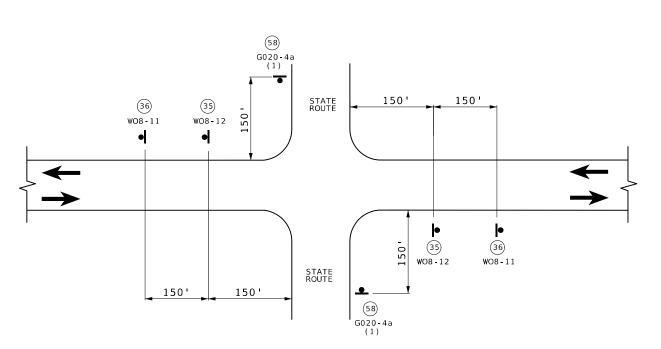
PRIVATE OR COMMERCIAL

CENTERLINE

TRAFFIC CONTROL SHEET 3 OF 5



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

GO20-4a

58

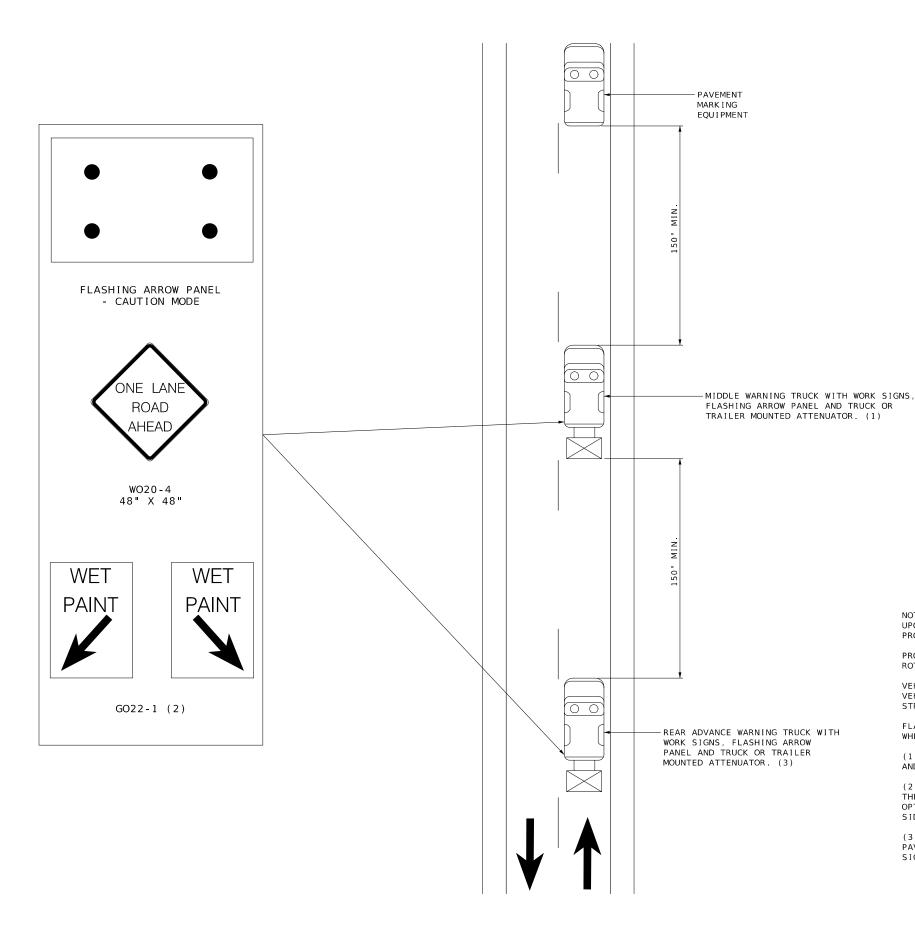
SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS 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 5





UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCK 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 STROPE LIGHTS.

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT SHALL BE MADE.

- (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) REAR ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN.

TRAFFIC CONTROL SHEET 5 OF 5

HEATHER R. BARROWS NUMBER 11,58/ONAL ENG Heatter R. Bauen 8/15/2023 D. FF MO SHEET NO KC 9 LAFAYETTE JKRM0042 CONTRACT ID PROJECT NO. BRIDGE NO.

#### DESIGN DESIGNATION

A.A.D.T. - 2023 = UNKNOWN V = 20 M.P.H.

## MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

# PLANS FOR PROPOSED STATE HIGHWAY

JOHNSON COUNTY





# Montserrat 15 KNOB NOSTER KNOB NOSTER STATE PARK CR WHITEMAN AIR FORCE BASE PROJECT LOCATION KNOB NOSTER STATE PARK

NOT TO SCALE

PAVEMENT RESURFACING

LOCATION OF JOHNSON 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 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 FROR 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 SHEETS)	2
QUANTITIES (QU) (1 SHEETS)	3
PLAN-PROFILE (PP)	4
SPECIAL SHEETS (SS)	5 - 8
TRAFFIC CONTROL SHEETS (TC)	9-10
PAVEMENT MARKING SHEETS (PM)	11

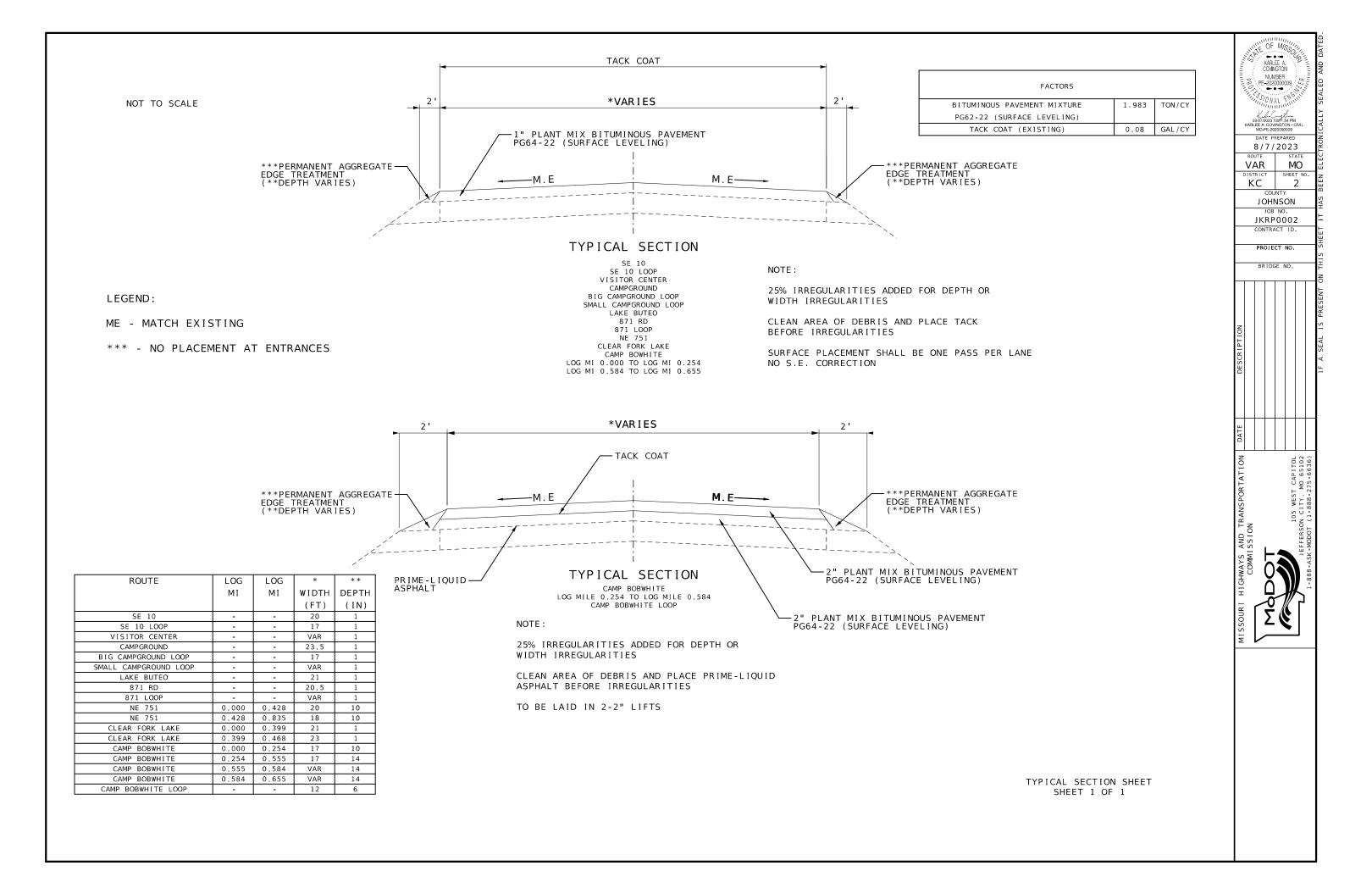
#### LENGTH OF PROJECT

BEGINNING OF PROJECT END OF PROJECT VAR 23676.00 FEET APPARENT LENGTH

EQUATIONS AND EXCEPTIONS: NONE



TOTAL CORRECTIONS 0 FEET NET LENGTH OF PROJECT 23676 FEET STATE LENGTH 4.484 MILES



PAVEMENT QUANTITIES											
ROUTE	LOG	LOG	LENGTH	AVERAGE	1" CLC	4" CLC	25%	TACK	PRIME-LIQUID	PERMANENT AGGREGATE	REMARKS
	ΜI	ΜI		WIDTH			IRREGULARITIES	COAT	ASPHALT	EDGE TREATMENT	
			(FT)	(FT)	(TONS)	(TONS)	(TONS)	(GAL)	(GAL)	(TONS)	
SE 10	-	-	2657	20	343.7	-	85.9	499.1	-	30.8	INCLUDES RADIUS
SE 10 LOOP	-	-	765	17	79.6	-	19.9	115.6	-	8.9	
VISITOR CENTER	-	-	186	VAR	26.0	-	6.5	37.8	-	2.2	INCLUDES RADIUS
CAMPGROUND	-	-	2032	23.5	300.5	-	75.1	436.4	-	23.6	INCLUDES RADIUS
BIG CAMPGROUND LOOP	-	-	1096	17	114.0	-	28.5	165.6	-	12.7	
SMALL CAMPGROUND LOOP	-	-	169	VAR	18.4	-	4.6	26.7	-	2.0	INCLUDES RADIUS
LAKE BUTEO	-	-	532	21	112.8	-	28.2	163.8	-	6.2	INCLUDES RADIUS
871 RD	-	-	3944	20.5	507.9	-	127.0	737.6	-	45.8	INCLUDES RADIUS
871 LOOP	-	-	258	VAR	37.7	-	9.4	54.7	-	3.0	INCLUDES RADIUS
NE 751	0.000	0.420	2220	20	292.1	-	73.0	424.2	-	257.6	INCLUDES RADIUS
NE 751	0.420	0.812	2068	18	270.2	-	67.6	392.4	-	240.0	INCLUDES CUL DE SA
CLEAR FORK LAKE	0.000	0.399	2109	21	276.7	-	69.2	401.8	-	24.5	INCLUDES RADIUS
CLEAR FORK LAKE	0.399	0.449	261	23	69.1	-	17.3	100.4		3.0	INCLUDES CUL DE SA
CAMP BOBWHITE	0.000	0.254	1342	17	141.4	-	35.4	205.4	-	155.7	INCLUDES RADIUS
CAMP BOBWHITE	0.254	0.555	1588	17	-	660.9	165.2	240.0	1499.8	258.0	
CAMP BOBWHITE	0.555	0.584	155	VAR	-	91.8	23.0	33.3	208.0	25.2	
CAMP BOBWHITE	0.584	0.655	375	VAR	47.3	-	11.8		429.6	60.9	INCLUDES RADIUS
CAMP BOBWHITE LOOP	-	-	1919	12	-	558.4	139.6	201.5	1259.4	133.6	INCLUDES RADIUS
				SUB TOTALS	2637.4	1311.1	987.2	4236.3	3396.8	1293.7	
				PAY TOTALS	4935.7			4236	3397	1294	

PREFORMED	THERMO	PLASTIC P	PAVEMENT MA	RKING
ROUTE	LOG	LOG	SHARE THE	REMARKS
	ΜI	MI	ROAD SYMBOL	
SE 10	-	-	16	
NE 751	-	-	17	
CLEAR FORK LAKE	-	-	18	
		PAY TOTALS	51.0	

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08/07/2023 12/3:41 PM KARLEE A. COVINGTON- CIVIL MO-PE-2020000009								
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MODIFIED C	OLDMILL	ING (DEP	TH TRANSIT	IONS)
ROUTE	LENGTH	AVERAGE	MODIFIED	REMARKS
		WIDTH	COLDMILLING	
	(FT)	(FT)	(SY)	
SE 10	25	68	202	ENTRANCE
SE 10	4	136	64	PARKING
SE 10	4	98	38	PARKING
SE 10	4	60	34	PARKING
SE 10	4	63	28	PARKING
SE 10	4	92	54	PARKING LOT
VISITOR CENTER	4	26	12	PARKING
CAMPGROUND	4	78	30	PARKING
CAMPGROUND	4	51	19	PARKING
	4			PARKING
CAMPGROUND		26	10	
CAMPGROUND	4	54	27	ENTRANCE
CAMPGROUND	4	41	19	ENTRANCE
LAKE BUTEO	4	111	48	PARKING
LAKE BUTEO	4	70	32	PARKING
LAKE BUTEO	4	56	30	PARK I NG
LAKE BUTEO	4	65	27	PARK I NG
871 RD	4	80	34	ENTRANCE
871 RD	25	40	115	ENTRANCE
871 LOOP	4	13	6	SIDEWALK
NE 751	25	82	242	ENTRANCE
NE 751	4	53	22	ENTRANCE
NE 751	4	34	23	PARK I NG
NE 751	4	62	26	PARK I NG
NE 751	4	58	30	PARK I NG
NE 751	4	39	30	PARK I NG
NE 751	4	32	19	PARK I NG
NE 751	4	28	14	CUL DE SAC
CLEAR FORK LAKE	4	17	8	PARK I NG
CLEAR FORK LAKE	4	15	7	PARK I NG
CLEAR FORK LAKE	4	29	19	PARK I NG
CLEAR FORK LAKE	4	55	24	PARKING
CLEAR FORK LAKE	4	29	22	PARKING
CLEAR FORK LAKE	4	38	17	PARKING
CLEAR FORK LAKE	4	14	7	PARKING
CLEAR FORK LAKE	4	65	33	PARKING
CLEAR FORK LAKE	4	54	25	PARKING
CLEAR FORK LAKE	4	89	39	PARKING
CLEAR FORK LAKE	4	55	24	PARKING
CLEAR FORK LAKE	4	55 51	24	PARKING
			98	
CAMP BOBWHITE	25	38		ENTRANCE
CAMP BOBWHITE	4	66	29	ENTRANCE
CAMP BOBWHITE	4	47	20	ENTRANCE
CAMP BOBWHITE	4	15	7	ENTRANCE
CAMP BOBWHITE	4	19	9	ENTRANCE
CAMP BOBWHITE LOOP	8	23	20	PARK I NG
CAMP BOBWHITE LOOP	8	16	16	PARK I NG
CAMP BOBWHITE LOOP	8	83	76	PARK I NG
		PAY TOTAL	1756	

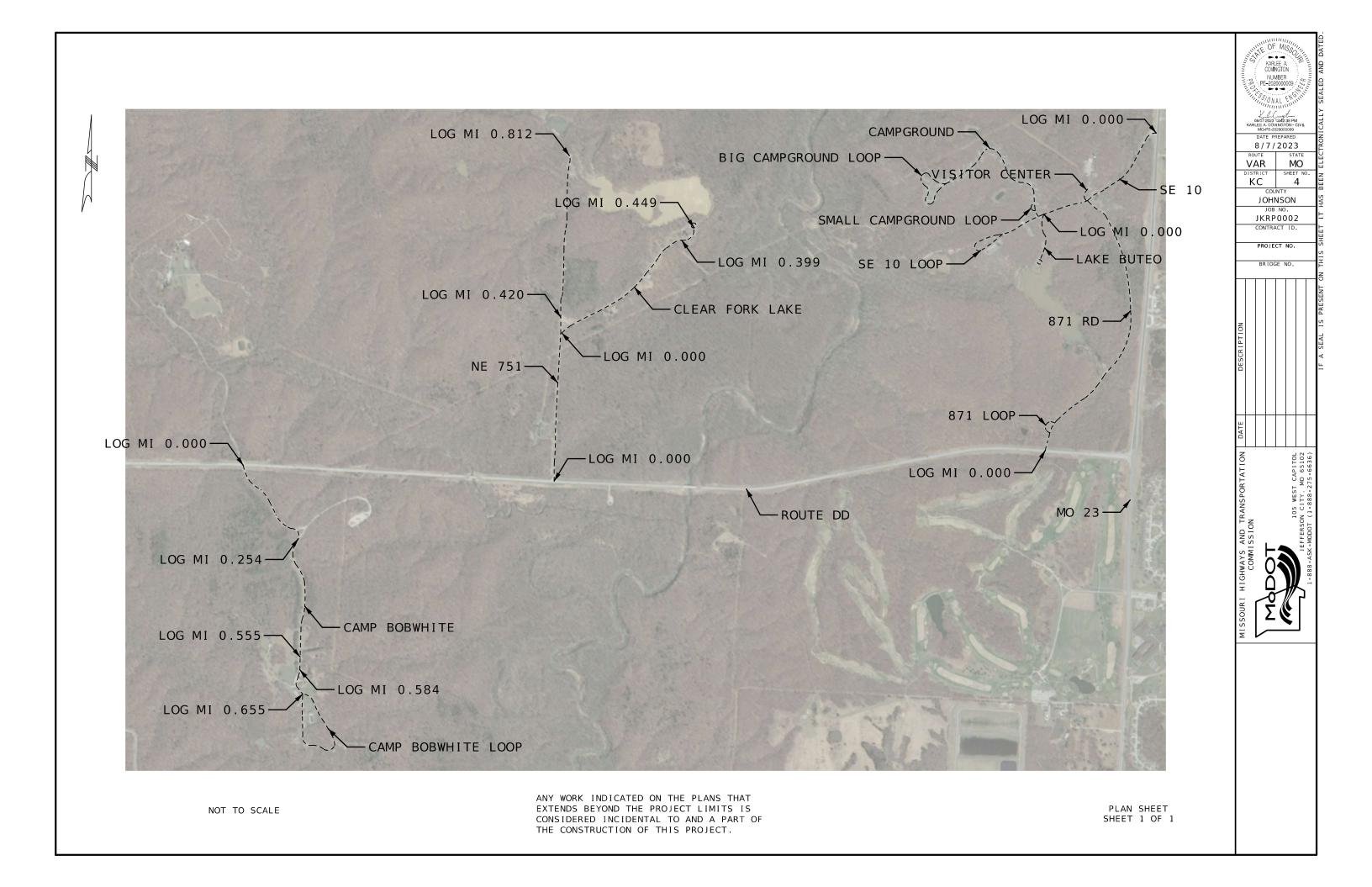
PARTIAL DEPTH PAVEMENT REPAIR								
ROUTE LOG LENGTH WIDTH		WIDTH	DEPTH	REMOVAL FOR CLASS C PARTIAL	FURNISHING AND PLACING BITUMINOUS MATERIAL	REMARKS		
	I мі				DEPTH PAVEMENT REPAIR	FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR		
		(FT)	(FT)	(IN)	(SY)	(TON)		
SE 10	0.120	5	12	4	6.7	1.5		
SE 10	0.142	5	15	4	8.3	1.8		
SE 10	0.165	20	16	4	35.6	7.8		
871 RD	0.008	4	10	4	4 . 4	1.0		
871 RD	0.023	4	70	4	31.1	6.9		
871 RD	0.117	4	40	4	17.8	3.9		
871 RD	0.133	6	40	4	26.7	5.9		
871 RD	0.215	4	20	4	8.9	2.0		
871 RD	0.571	6	12	4	8.0	1.8		
871 RD	0.279	18	45	4	90.0	19.8		
871 RD	0.387	6	20	4	13.3	2.9		
871 RD	0.601	4	10	4	4.4	1.0		
NE 751	0.404	20	2	4	4.4	1.0		
NE 751	0.409	2	50	4	11.1	2.4		
NE 751	0.470	4	25	4	11.1	2.4		
NE 751	0.509	6	35	4	23.3	5.1		
NE 751	0.571	6	12	4	8.0	1.8		
NE 751	0.572	45	4	4	20.0	4.4		
NE 751	0.616	8	20	4	17.8	3.9		
NE 751	0.623	6	10	4	6.7	1.5		
CLEAR FORK LAKE	0.205	5	379	4	210.6	46.4		
CAMP BOBWHITE	0.009	4	4	4	1.8	0.4		
CAMP BOBWHITE	0.123	3	4	4	1.3	0.3		
CAMP BOBWHITE	0.127	4	4	4	1.8	0.4		
CAMP BOBWHITE	0.132	4	4	4	1.8	0.4		
CAMP BOBWHITE	0.167	3	3	4	1.0	0.2		
				PAY TOTALS	575.9	126.9		

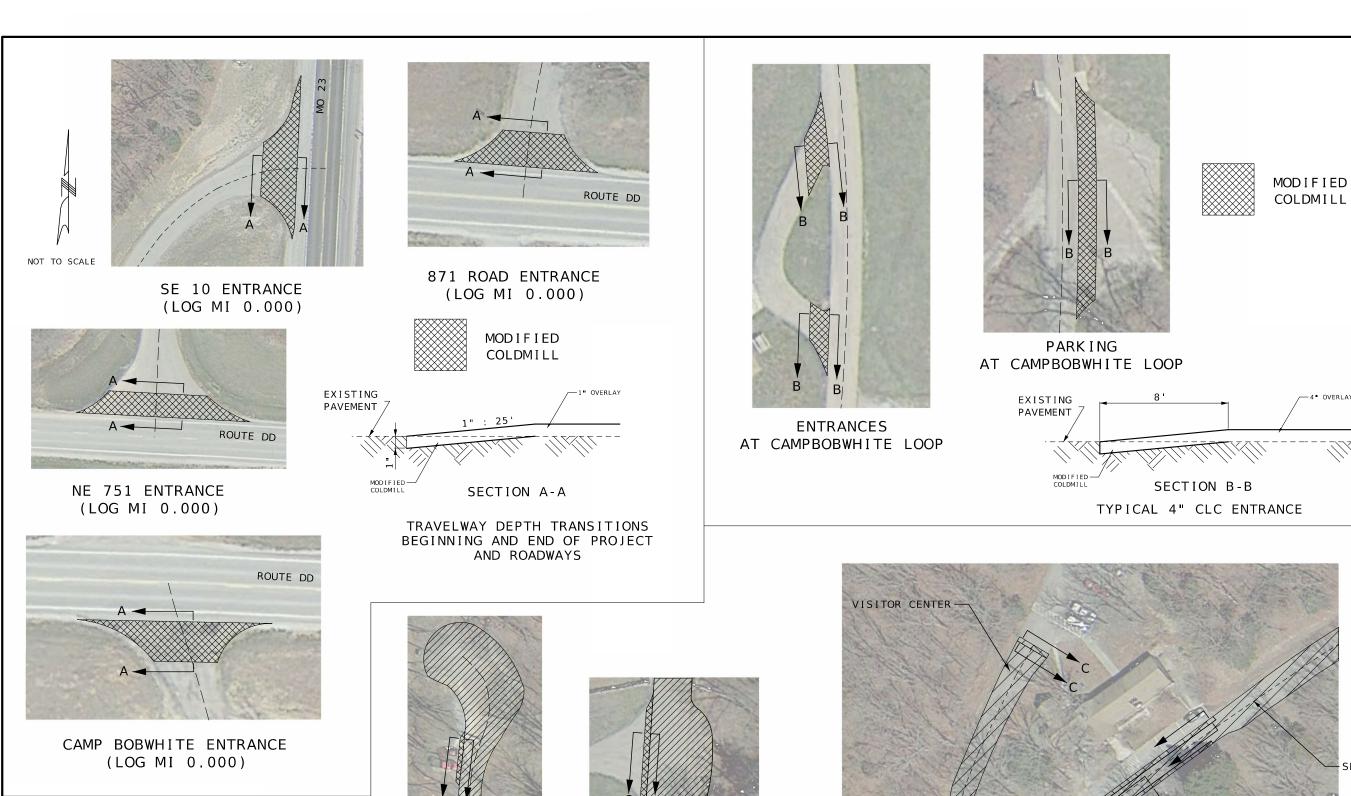
	TEMPORARY TRAFFIC CONTROL									
SIGN NO.	SIGN	SIZE (IN)	AREA (SQ. FT.)	QTY	TOTAL AREA (SQ. FT.)	DESCRIPTION				
11	WO3 - 4	48X48	16	6	96	BE PREPARED TO STOP				
2	WO20-1	48X48	16	6	96	ROAD/BRIDGE/RAMP WORK AHEAD				
7	WO20-4	48X48	16	4	64	ONE LANE ROAD AHEAD				
8	WO20-7a	48X48	16	6	96	FLAGGER (SYMBOL, WITH FLAGS)				
				PAY TOTAL	352					

ITEM NO.	QTY.	DESCRIPTION	
6161025	20	CHANNELIZERS (TRIM-LINE)	
		CHANGEABLE MESSAGE SIGN W/O COMM.	
6161098A	2	INTERFACE - CONTRACTOR FURNISHED/RETAINED	

MOBILIZATION
1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 1 OF 1





**ENTRANCE** AT NE 751

COLDMILLING SPECIAL SHEET SHEET 1 OF 4

CUL DE SAC

AT NE 751

1" CLC

MODIFIED

COLDMILL

EXISTING

PAVEMENT

SECTION C-C

TYPICAL ENTRANCE



8/7/2023

JOHNSON JOB NO.
JKRP0002
CONTRACT ID.

PROJECT NO

VAR

KC

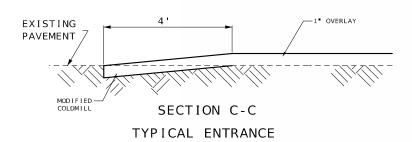
PARKING AT SE 10 AND ENTRANCE AT VISITOR CENTER



PARKING LOT AT SE 10



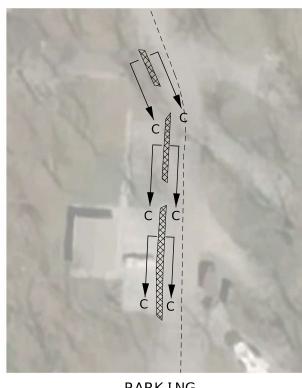
ENTRANCES AT CAMPGROUND







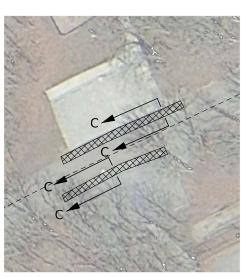
PARKING AT LAKE BUTEO



PARKING AT CAMPGROUND

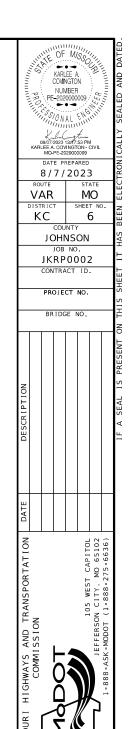


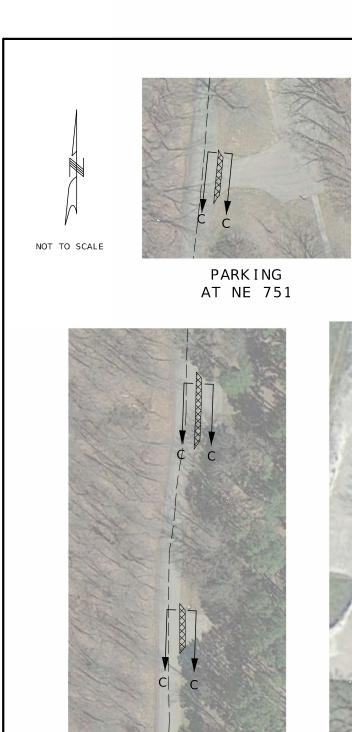
PARKING AT CLEAR FORK LAKE



PARKING AT SE 10

COLDMILLING SPECIAL SHEET SHEET 2 OF 4





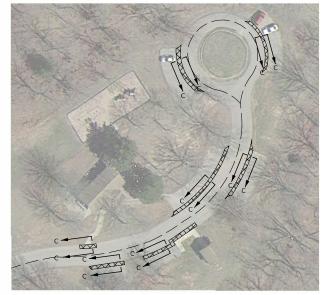
PARK I NG

AT NE 751





AT NE 751



8/7/2023

JOHNSON

JOB NO.
JKRP0002
CONTRACT ID.

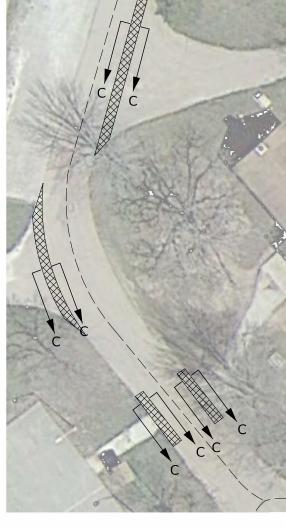
PROJECT NO.

VAR
DISTRICT

PARKING AT CLEAR FORK LAKE



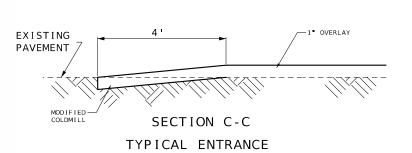
MODIFIED COLDMILL



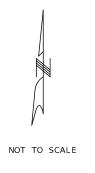




ENTRANCE AT 871 RD

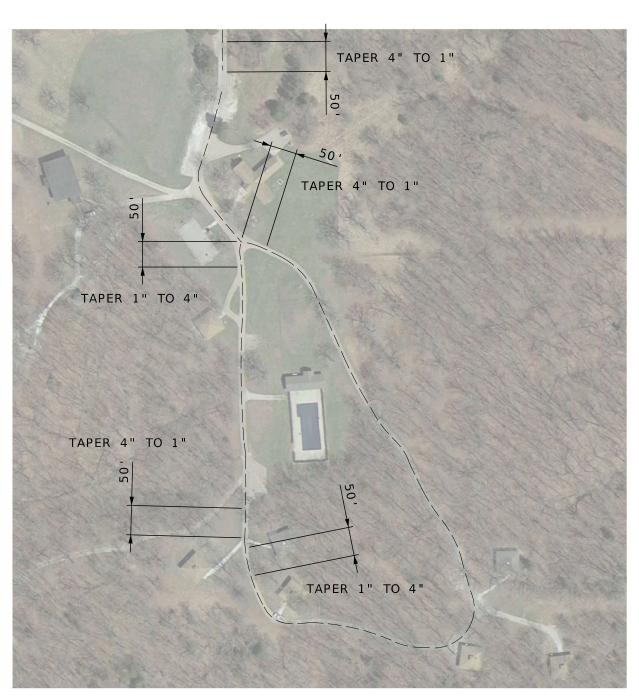


COLDMILLING SPECIAL SHEET SHEET 3 OF 4

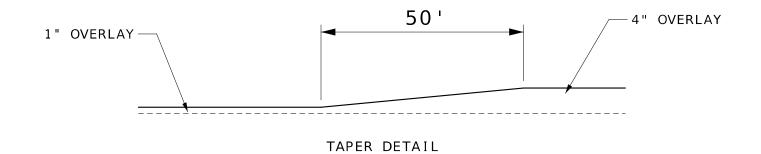




CAMP BOBWHITE (LOG MI 0.253)



CAMP BOBWHITE AND CAMP BOBWHITE LOOP



SPECIAL SHEET SHEET 4 OF 4 8/7/2023

ROUTE STATE MO

JOHNSON

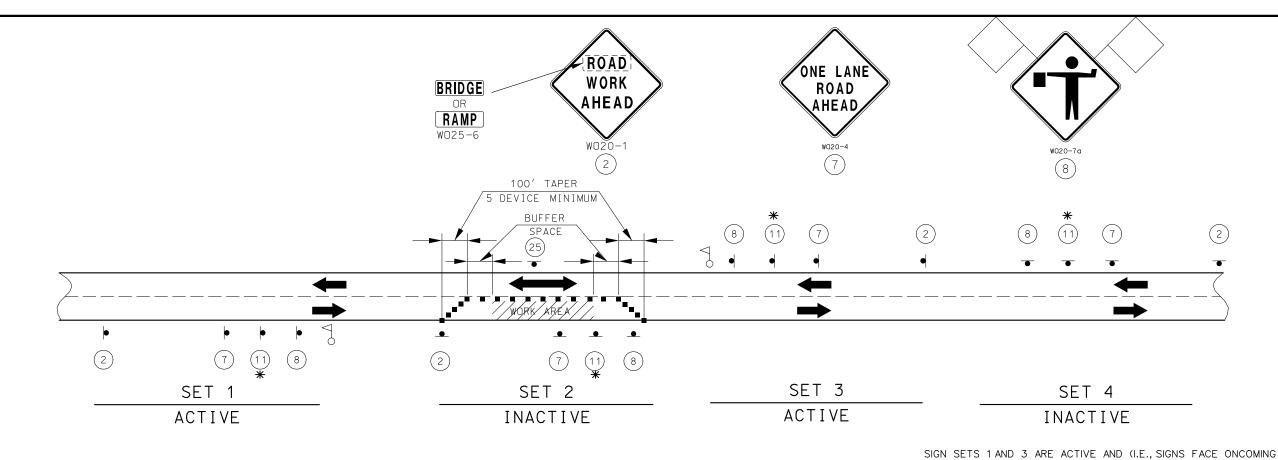
JOB NO.

JKRP0002

CONTRACT ID.

PROJECT NO.

KC



	TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES								
SPEED (P)	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MINIMUM TAPER	MAXIMUM CHANNELIZER SPACING				
MPH	10 FT	11 FT	12 FT	SHOULDER (T1)	TAPERS	BUFFER/ WORK AREA			
0-35	205 FT	225 FT	245 FT	70	35 FT	40 FT			
40-45	450 FT	495 FT	540 FT	150	40 FT	80 FT			
50-55	550 FT	605 FT	660 FT	185	50 FT	80 FT			
60-70	700 FT	770 FT	840 FT	235	60 FT	120 FT			

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)						
SPEED (P) MPH	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)				
0-35	200 FT	200 FT				
40-45	350 FT	500 FT				
50-55	500 FT	1000 FT				

** 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.

SA-1000 FT, SB-1500 FT, SC-2640 FT **

(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:

60-70

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

LONGITUDINAL BUFFER SPACE				
SPEED (P) MPH	BUFFER SPACE (FEET)			
0-35	280			
40-45	400			
50-55	560			
60-70	840			

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

AND ITEMS NOT SHOWN

P - POSTED SPEED PRIOR TO ROAD WORK IN MPH

- FLAGGER

**CHANNEL IZERS** 

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.

IS LOCATED BETWEEN SIGN SETS 1 AND 3.

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

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).

NOTES:

**GENERAL NOTES:** 1. SEE STANDARD PLAN 616.10 FOR DETAILS

- 2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- 3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING. COVERING, UNCOVERING OR REMOVING SIGNS.
- 4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- 5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

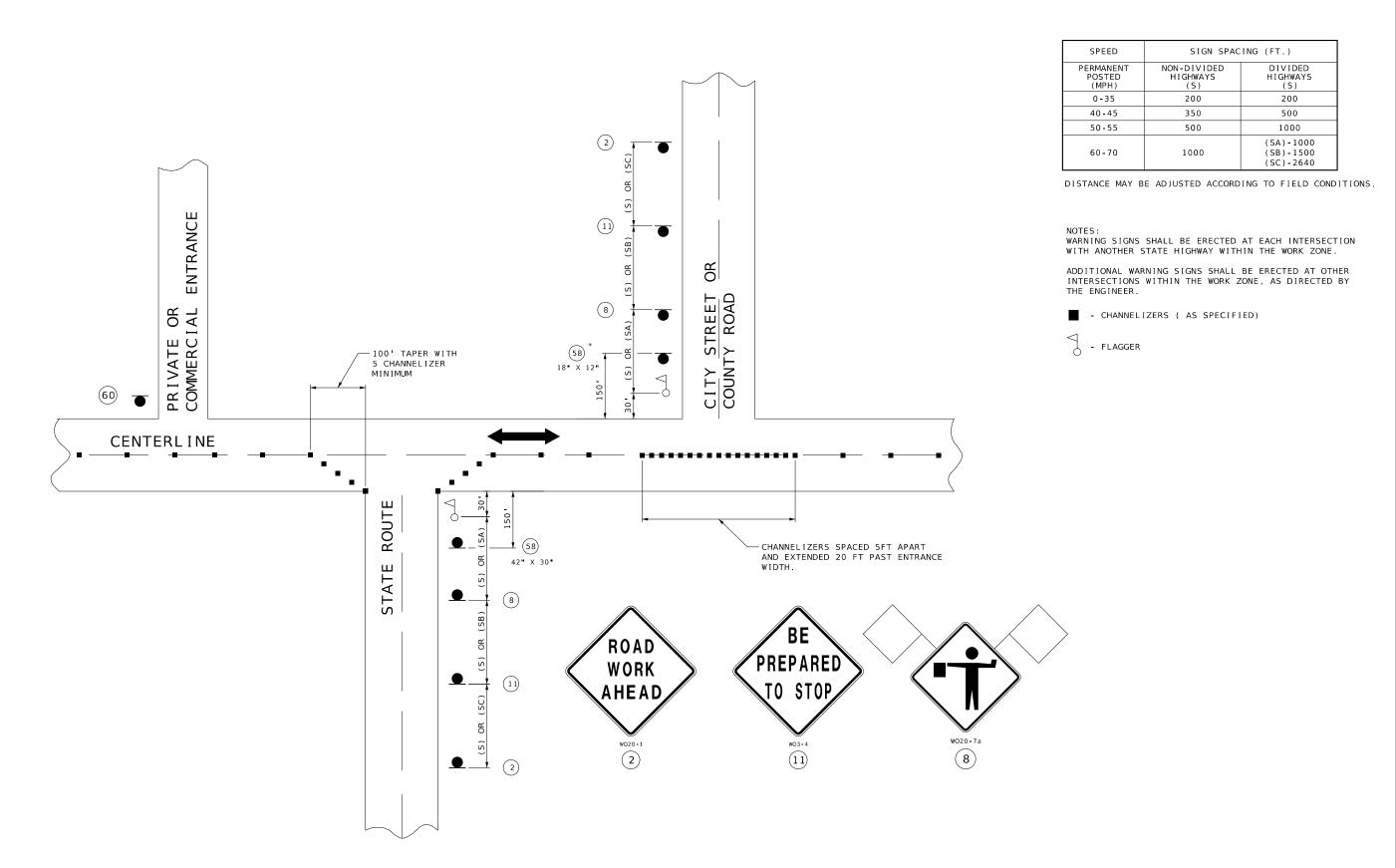


* NOTE: THIS SIGN IS INSERTED BETWEEN SIGNS 7 & 8 WITH THE SPACING OF 1/2 THE STANDARD SPACING WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED.

TRAFFIC CONTROL SHEET 1 OF 2

KARLEE A. COVINGTON NUMBER PE-202000000 8/7/2023 VAR MO SHEET NO KC 9 JOHNSON LOB NO JKRP0002 CONTRACT ID. PROJECT NO. BRIDGE NO

TA-10D



SIDE ROADS ENTERING WORK ZONES

TRAFFIC CONTROL SHEET 2 OF 2

KARLEE A.
CONNIGTON
NUMBER
PE-2020000009
3070203 1242 39 PM
LEA . COVINGTON - GIVIL
MOPE-2020000009

08/07/2023 12/21/29 PM
ARLEE A. COVINGTON - CIVI
MC-PE-2020000099

DATE PREPARED

8 / 7 / 2 0 2 3

ROUTE STATE

NOUTE STATE
VAR MO
DISTRICT SHEET NO.
KC 10

COUNTY

JOHNSON

JOB NO.

JKRP0002

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

SOUR! HIGHWAYS AND TRANSPORTATION
COMMISSION
MODOT

105 WEST CAPITOL
JEFFERSON CITY, WO 65102

