DESIGN DESIGNATION

OR 44/WESTGATE AVE.

A.A.D.T. - 2020 = 21

V = 35 M.P.H.

OR 44/NORTON ST.

A.A.D.T. - 2020 = 300 V = 45 M.P.H.

OR 65/CRD 187 A.A.D.T. - 2020 = 37 V = 35/45 M.P.H.

OR 44/EVERGREEN ST./CRD 104 $V = 55 \text{ M} \cdot \text{P} \cdot \text{H} \cdot$

NO NEW R/W REQUIRED

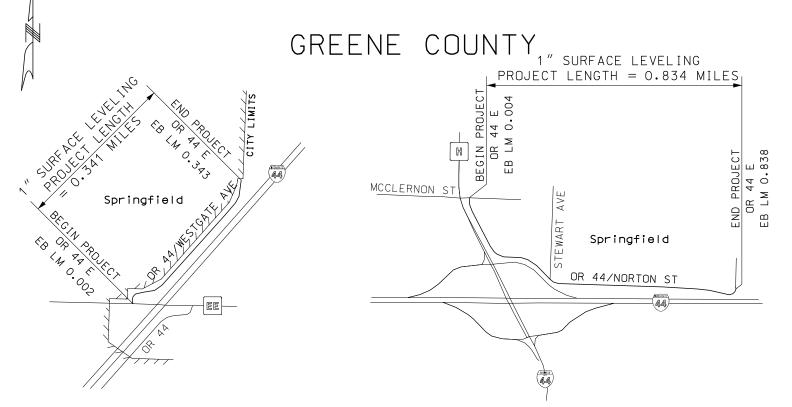
CONVENTIONAL SYMBOLS

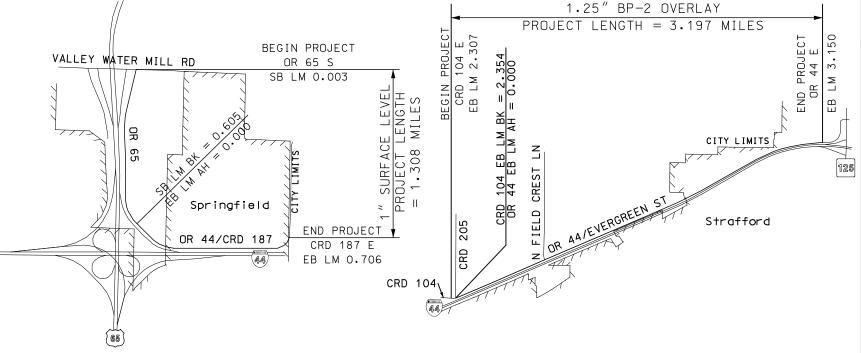
(USED IN FLANS) /	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	0000	
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	-FO- -OTV- -UTV- -OT- -UT- -OE- -UE- -S- -SS- -G-	-0TV -UTV -0T- -UT- -0E- -VE- -S- -SS- -6
MANHOLE	D. SAN	\ni
FIRE HYDRANT	HYD	ĵ
WATER VALVE	wv C	€
WATER METER	™ ⊕)
DROP INLET		
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	_
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	PED \ \ \X \X	; ;
BENCHMARK	(X	3

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY





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) (5 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
SPECIAL SHEETS (SS)	4-12
TRAFFIC CONTROL SHEETS (TC)	13-18

, AMITHING	PROXILITY	PE	BAC NUM -200	MA, RISTI HMAI MBEF 03014 A L 1111 T HA ED A DONIC	1941 ENC	MIN	THERMAN	ALLIY SEALED AND DATED.	
	-			REP/ /2		1		PONT	
					st.).	FI FCTR	
SW 1 COUNTY GREENE									
		JE	IOB SS	NO 32	17			DVH 11	
	-	CON				•		LIJJHS	
			_	CT E N				S	
								HLN	
J I I UN								I IS PRESENT O	
DESCRIP								IF A SFAI	
ш									

LENGTH OF PROJECT

OR 44/WESTGATE AVE

BEGINNING OF PROJECT EB LM 0.002
END OF PROJECT EB LM 0.343
APPARENT LENGTH 1800.48 FEET

OR 44/NORTON ST

BEGINNING OF PROJECT EB LM 0.004
END OF PROJECT EB LM 0.838
APPARENT LENGTH 4403.52 FEET

OR 65/OR 44/CRD 187

BEGINNING OF PROJECT EB LM 0.003

END OF PROJECT EB LM 0.706

EQUATION - SB LM 0.605 BK = EB LM 0.000 AH

APPARENT LENGTH 6906.24 FEET

OR 44/EVERGREEN ST

BEGINNING OF PROJECT CRD 104 EB LM 2.307
END OF PROJECT OR 44 EB LM 3.150

EQUATION - CRD 104 EB LM 2.354 BK = OR 44 EB LM 0.000 AH

APPARENT LENGTH 16880.16 FEET

TOTAL CORRECTIONS 0.00 FEET

NET LENGTH 0F PROJECT 29990.4 FEET

STATE LENGTH 5.680 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATIO COMMISSION

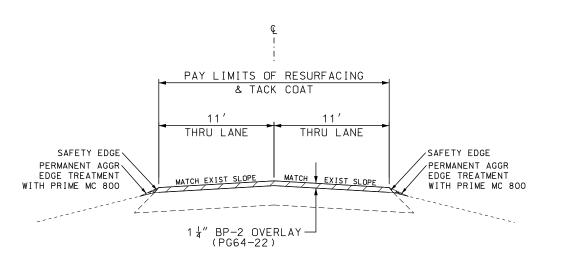
MADOT

105 WEST CAPITO
JEFFERSON CITY, MO 6510

NOTE: NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO ENTIRE PROJECT LIMITS.

SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION



OR 44 E/CRD 104 E/EVERGREEN ST.

EB LOG MILE 2.307 TO EB LOG MILE 2.354 (CRD 104) EB LOG MILE 0.000 TO EB LOG MILE 3.150 (OR 44)

REVISED: 5-5-2020

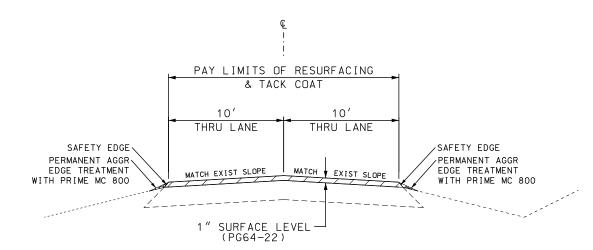
ASPL	HALT FACTORS	
ASIT		e/ \ \ C
	COMBINED FACTOR	<u>% AC</u>
BP-2 (PG64-22)	1.990 TONS/CY	5.5
-	FACK COAT	
OVERLAY	0.08	GAL/SY
MILLING	0.10	GAL/SY
PRIME LIQU	JID ASPHALT MC	800
PERMANENT AGGREGEDGE TREATMENT	GATE 0.25	GAL/SY
IRREGULA	RITIES: 75 TONS/M	I



NOTE: NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO ENTIRE PROJECT LIMITS.

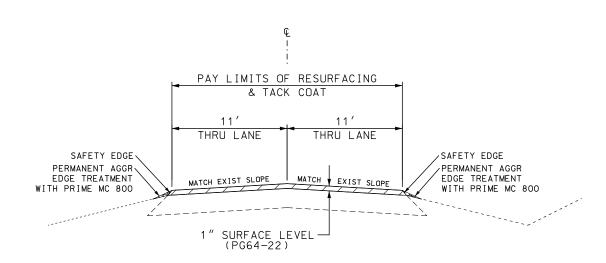
SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION



OR44 E/WESTGATE AVE

EB LOG MILE 0.002 TO EB LOG MILE 0.343



OR 65 S/OR 44 E/CRD 187

SB LOG MILE 0.003 TO SB LOG MILE 0.605 OR 65 S EB LOG MILE 0.000 TO EB LOG MILE 0.706 CRD 187 E

ASPHALT FACTORS

COMBINED FACTOR

SURFACE LEVEL 1.990 TONS/CY 5.4

TACK COAT

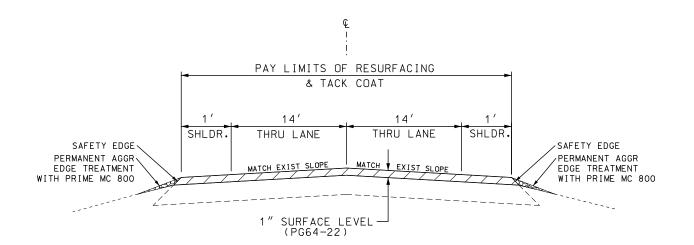
OVERLAY 0.08 GAL/SY

MILLING 0.10 GAL/SY

PRIME LIQUID ASPHALT MC 800

PERMANENT AGGREGATE 0.25 GAL/SY
EDGE TREATMENT

IRREGULARITIES: 75 TONS/MI

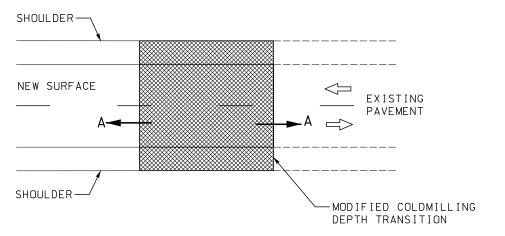


OR44 E/NORTON ST

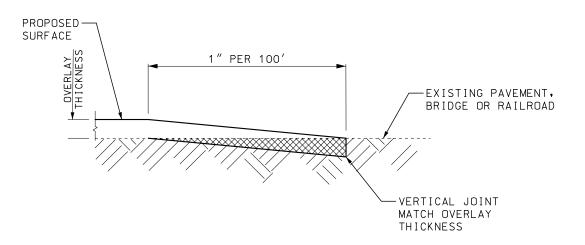
EB LOG MILE 0.004 TO EB LOG MILE 0.838



TYPICAL SECTIONS SHEET 2 OF 5



MAINLINE, BRIDGE AND RAILROAD PLAN

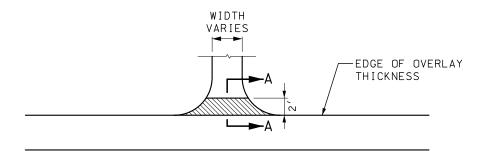


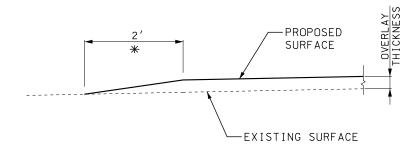
SECTION A-A

TRANSVERSE JOINT TRANSITION FOR SINGLE LIFT PROJECT BEGINNING, END, BRIDGE, OR RAILROAD

NOTE: MILL EXISTING CONCRETE 1" MAXIMUM.

SSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION							THIIIIIIIIII.
COMMISSION						5	IST	ROI	NILS PROVIDE SIGN
					JE				HIS : VED, S ELE
MODOT				TRA	JOB SS		Т		KF BAC NUM 200 0 N
			E N	CT	_{NO}	NT) EN	S	REP # / 2	T HA: ED A ONIC/
105 WEST CAPITON				ID.	17			02	1941 1941 5 BE ND D
JEFFERSON CITY, MO 65102						<u> </u>	0	1 ATE	EN ATEC
1-888-ASK-MODOT (1-888-275-6636)).		THUMAN THE TOTAL OF THE TOTAL O



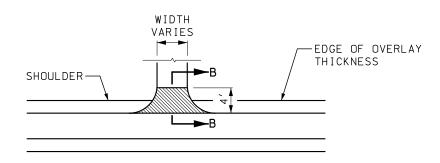


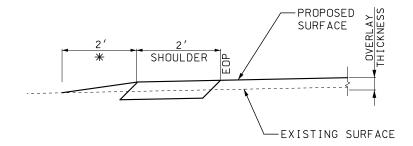
SECTION A-A

TYPICAL ENTRANCE - NO SHOULDER (FIELD, PRIVATE OR COUNTY ROAD) **TAPER AT 1:1 FOR FIELD ENTRANCE

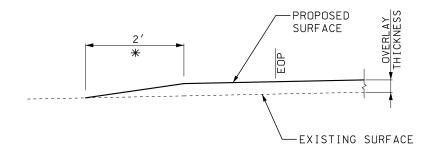
NOTE: 4 TONS GRAVEL A OR CRUSHED STONE B CALCULATED PER ENTRANCE.

6 TONS CALCULATED PER COUNTY ROAD.





AGGREGATE & EARTH ENTRANCES



ASPHALT & CONCRETE ENTRANCES

SECTION B-B

TYPICAL ENTRANCE - EXIST/NEW SHOULDER (FIELD, PRIVATE OR COUNTY ROAD)
**TAPER AT 1:1 FOR FIELD ENTRANCE

NOTES: DO NOT BUILD 2' MODIFIED A3 SHOULDERS ACROSS CONCRETE OR ASPHALT ENTRANCES, STREETS OR ROADS.

4 TONS GRAVEL A OR CRUSHED STONE B CALCULATED PER ENTRANCE.

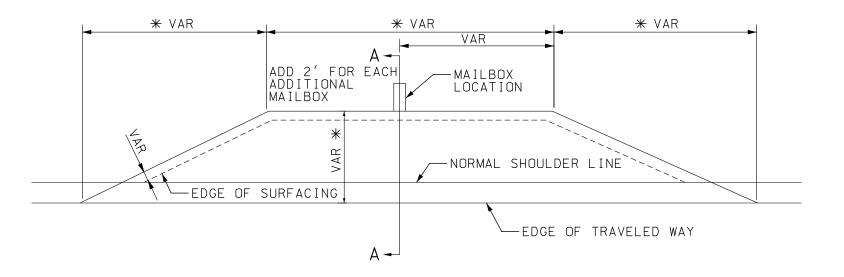
6 TONS CALCULATED PER COUNTY ROAD.

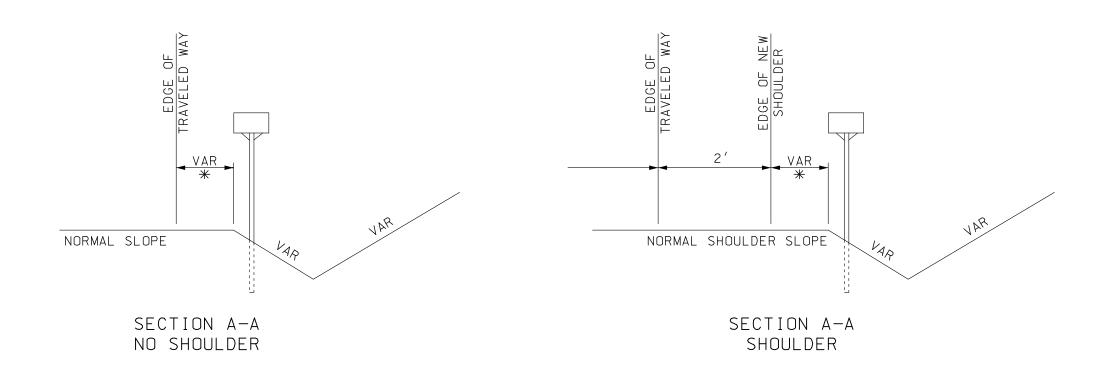
				I	ı	ı	I	ı	ı	ı	ı	1
AISSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION					-			1111.	WITHIN.	
COMMISSION						S		7	T S I GN	PROXILI	11/5	
			BR			W	AR	7/2	HIS : VED, S ELE	PE S.S.	XE.	1111
MODOT			IDO	TRA	JOB		т		SHEE SEALE ECTRO	-200	KF BAC NUM	UIII
			E N	CT	EN NO 32	NTY		REP/	T HA: ED A ONIC/	A L	RISTI HMAN MBER	М,
105 WEST CAPITOL			۱0۰	ID NO.		2		02	S BE	1941	٠.	11/1/
JEFFERSON CITY, MO 65102				•		2	ATE O T NO		EN DATEE	Miller		, ,
1-888-ASK-MODOT (1-888-275-6636)							٦.)	THILL .	HIMMIN	
												0

NOTE: MAILBOX TURNOUT QUANTITIES BASED
ON 2' WIDTH AND 15' LENGTH. ADD
2' IN LENGTH PER ADDITIONAL MAILBOX
AT SAME LOCATION, AS APPROVED BY THE
ENGINEER.

TYPICAL MAILBOX TURNOUT

* AS APPROVED BY THE ENGINEER







THIS SHEET HAS BEEN SIGNED, SEALED AND DATI

DATE PREPARED
7/20/2021
ROUTE STATE
VAR MO
DISTRICT SHEET NO.
SW 2

COUNTY
GREENE
JOB NO.
J8S3217
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

E DESCRIPTION

SSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
LEFFERSON CITY, MD 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTIONS SHEET 5 OF 5

		F	REMOVAL OF IMPR	ROVEMEN	TS		
LOG LOG							
MILE	MILE	LOC	DESCRIPTION	UNITS	TOTAL	REMARKS	
OR 65/OR 4	14/CRD 187						
0.185	0.343	RT	GUARDRAIL	LF	850		
				TOTAL 1	LUMP SUM		

	PERMAN	ENT AG	GREGATE EDO	GE TREATMEN	Т				
			AGGREGATE	PRIME MC800					
		LENGTH	200 TON/MILE	590 GAL/MILE					
LOG MILE	LOG MILE	MILES	TON	GAL	REMARKS				
OR 44/WESTGATE AVE									
0.012	0.343	0.331	66.2	195.3					
OR 44/NOI	RTON ST			,					
0.004	0.838	0.834	166.8	492.1					
OR 65/OR	44/CRD 1	87							
0.012	0.605	0.593	118.6	349.9					
0.000	0.706	0.706	141.2	416.5					
CRD 104/	OR 44/EVE	RGREEN	ST						
2.307	2.354	0.047	9.4	27.7					
0.000	3.150	3.150	630	1858.5					
		TOTALS	1132.2	3340					
		USE	1133	3340					

GRAVEL (A) OR CRUSHED STONE (B)
104 TONS

						BITUM	INOUS PAVEME	.NT		
			NET	AVERAGE	APPROACH	1" SURFACE LEVEL	1.25" BP-2	TACK	TACK	
	LOG	LOG	LENGTH	WIDTH	AREA	1.990 TONS/CY	1.990 TONS/CY	0.08 GAL/SY	lo.1 GAL/SY	REMARKS
ROUTE	MILE	MILE	LF	LF	SF	TONS *	TONS *	GAL	GAL	
	STGATE A					7 0 1 1 0	70110 111	J		
	0.002	0.012	50	VAR	2036.0	12.8			22.7	MILL & FILL @ BEGINNING OF ROUTE
	0.012	0.031	100	20	2000.0	12.6			22.3	MOD, COLDMILL
	0.031	0.324	1547.04	20	30940.8	193.9		275.1		
	0.324	0.343	100	20	2000.0	12.6			22.3	MOD. COLDMILL
44/NOF	RTON ST			•				'	'	
	0.004	0.023	100	30	3000.0	18.8			33.4	MOD. COLDMILL
	0.023	0.819	4202.88	30	126086.4	790.0		1120.8		
	0.819	0.838	100	30	3000.0	18.8			33.4	MOD. COLDMILL
R 65/OR	44/CRD	187						•		
	0.003	0.012	50	VAR	2079	13.1			23.1	MILL & FILL @ BEGINNING OF ROUTE
	0.012	0.031	100	22	2200.0	13.8			24.5	MOD. COLDMILL
	0.031	0.605	3030.72	22	66675.8	417.8		592.7		
	0.000	0.687	3627.36	22	79801.9	500.0		709.4		
	0.687	0.706	100	22	2200.0	13.8			24.5	MOD. COLDMILL
RD 104/0	DR 44/EVI									
	2,307	2.331	125	22	2750.0		21.6		30.6	MOD. COLDMILL
	2.331	2.354	121.44	22	2671.7		21.0	23.8		
	0.000	2.537	13395.36	22	294697.9		2307.8	2619.6		
	2.537	3.126	3109.92	26	80857.9		633.2	718.8		
	3.126	3.150	125	26	4062.5		31.9		45.2	MOD. COLDMILL
RREGULAF	RITIES A					25.0			1	10050111 1017150 0 75 70110 1111 5
	0.002	0.343	1800.48			25.6				IRREGULARITIES @ 75 TONS/MILE
	0.004	0.838	4403.52			62.6				IRREGULARITIES @ 75 TONS/MILE
	0.003	0.605 0.706	3178.56 3727.68			45.2 53.0				IRREGULARITIES @ 75 TONS/MILE IRREGULARITIES @ 75 TONS/MILE
	2.307	2.354	248.16			53.0	3.6			IRREGULARITIES @ 75 TONS/MILE IRREGULARITIES @ 75 TONS/MILE
	0.000	3.150	16632				236.3			IRREGULARITIES @ 75 TONS/MILE IRREGULARITIES @ 75 TONS/MILE
	0.000	3.130	10032			0.1	236.3	3.1		MAILBOXES
						1.9	8.9	20.5		ENTRANCES
			l .		TOTALS	2206.4	3267.0	6083.8	282	* SAFETY EDGE INCLUDED IN QUANTI
										A SALLIT EDGE INCLUDED IN QUANTI
					USE	2206.4 STMENT TO ANY UNIT BI	3267.0		66	

DATE PREPARED TOOM ITS SIDEN SIGNED SHEET NO. SHEET NO. SHEET NO. SW 3 COUNTY GREEN ID. SW 3 COUNTY GREEN ID. SHEET NO. SW 3 COUN	THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTROMCALLY. DATE PREPARED 7/20/2021 ROUTE STATE VAR MO
--	--

MOBILIZATION
1 LUMP SUM

			PAVEME	NT MARKINO	WATERBO	RNE, TYPE P BEA	NDS	
				4" SOLID	4" SOLID	4" INTERM/SOLID	4" INTERM	
			LENGTH	WHITE	YELLOW	YELLOW	YELLOW	
LOG MILE	LOG MILE	LOCATION	LF	LF	LF	LF	LF	REMARKS
OR 44/WEST	GATE AVE		,					
0.012	0.343	€, LT & RT	1747.7		3495.4			DSY
OR 44/NORT	ON ST		'					
0.004	0.838	€, LT & RT	4403.6	8807.2	8807.2			SW EDGE LINES, DSY
OR 65/OR 4	4/CRD 187		•					
0.008	0.605	€, LT & RT	3152.2	6304.4	6304.4			SW EDGE LINES, DSY
0.000	0.706	€, LT & RT	3727.7	7455.4	7455.4			SW EDGE LINES, DSY
CRD 104/OF	44/EVERGF	REEN ST						
2.307	2.354	€, LT & RT	248.2	496.4	496.4			SW EDGE LINES, DSY
0.000	3.150	LT & RT	16632.0	33264				SW EDGE LINES
0.000	0.178	Ę	939.9			1174.9		SIY
0.178	0.578	Ę	2112.0				528.0	ΙΥ
0.578	0.738	Ę	844.8			1056.0		ISY
0.738	0.898	Ę.	844.8			1056.0		SYI
0.898	1.098	Ę.	1056.0		2112.0			DSY
1.098	1.258	Ę	844.8			1056.0		SIY
1.258	1.437	Ę	945.2				236.3	ΙY
1.437	1.597	Ę	844.8			1056.0		ISY
1.597	1.778	Ę	955.7			1194.7		SIY
1.778	1.937	Ę	839.6			1049.5		ISY
1.937	2.057	Ę	633.6		1267.2			DSY
2.057	2.237	Ę	950.5			1188.2		SIY
2.237	2.497	Ę	1372.8				343.2	ΙY
2.497	2.657	Ę	844.9			1056.2		ISY
2.657	3.150	Ę	2603.1		5206.2			DSY
			TOTALS	56327.4	35144.2	9887.5	1107.5	
		-	USE	56328		46140		

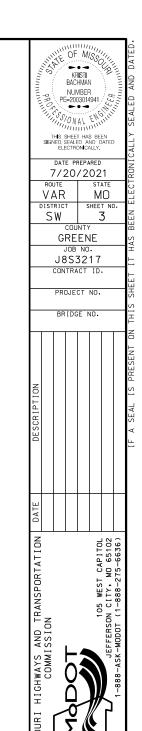
		COLDMILL	ING	
		AREA		
LOG MILE	LOG MILE	SF	SY	REMARKS
OR 44/WEST	GATE AVE			
0.002	0.012	2036	226.2	
OR 65/OR 4	4/CRD 187			
0.003	0.012	2079	231	
		TOTALS	457.2	
		USE	458	



	MOD I	FIED CO	LDMILLING	(DEPTH	TRANSITI	ONS)					
		NET									
		LENGTH	WIDTH	AREA							
LOG MILE	LOG MILE	LF	LF	SF	SY	REMARKS					
OR 44/WESTGATE AVE											
0.012	0.031	100	20	2000	222.2						
0.324	0.343	100	20	2000	222.2						
OR 44/NO	RTON ST										
0.004	0.023	100	30	3000	333.3						
0.819	0.838	100	30	3000	333.3						
OR 65/OR	44/CRD 1	87									
0.012	0.031	100	22	2200	244.4						
0.687	0.706	100	22	2200	244.4						
CRD 104/0	OR 44/EVE	RGREEN ST									
2.307	2.331	125	22	2750	305.6						
3.126	3.150	125	VAR	4062.5	451.4						
				TOTALS	2356.8						
		·		USE	2357						

CONTRACTOR	FURNISHED	SURVEYING	&	STAKING	
	1 LUMP	SUM			

				MGS	GUARDRAIL		
LOG	LOG		NET LENGTH	MGS RAIL	TYPE A CRASHWORTHY END TERMINAL	SHAPING SLOPES CL III	
MILE	MILE	LOC	LF	LF	EACH	100 FT	REMARKS
OR 65/OF	44/CRD	187					
0.185	0.357	RT	910	810	2	9.7	
			TOTALS	812.5	2	10.0	
			USE	813	2	10	



					,	_			,				EFFECTIVE: 04-01-2021
	TOTAL QTY TOTAL							QTY TOTAL					
SIZE AREA QTY	AREA RELOC RELOC	NUM.			SIZ	E 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	_
WARN	ING SIGNS		DESCRIPTION		•	Į.	GUIDE SIC	NS		DESCRIPTION	NUMBER	QTY	DESCRIPTION
WO1-1L 48X48 16.00			TURN (SYMBOL LEFT ARROW)	E05-1	36X4	8 12.00				GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
WO1-1R 48X48 16.00			TURN (SYMBOL RIGHT ARROW)	E05-2		6 12.00				EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-2L 48X48 16.00			CURVE (SYMBOL LEFT ARROW)	E05-2a	48X3	6 12.00				EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2R 48X48 16.00			CURVE (SYMBOL RIGHT ARROW)	G020-1	60X2	4 10.00	2 20.00		1	ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-3L 48X48 16.00			REVERSE TURN (SYMBOL LEFT ARROW)	G020-2	48X2	8.00	2 16.00		26	END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R 48X48 16.00			REVERSE TURN (SYMBOL RIGHT ARROW)	G020-4	36X1	8 4.50	2 9.00		53	PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-4L 48X48 16.00			REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4a						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4R 48X48 16.00			REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-4a						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
WO1-4bL 48X48 16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	1 — — — —			2 12.00		54	WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
WO1-4bR 48X48 16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	M04-8a		8 3.00				END DETOUR	61230004		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
WO1-4cL 48X48 16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L		6 12.00				DETOUR (LEFT ARROW)	6161008	2	ADVANCED WARNING RAIL SYSTEM
WO1-4cR 48X48 16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R		6 12.00			-	DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)
W01-6 60X30 12.50			HORIZONTAL ARROW (SYMBOL)	MO4-9P		2 4.00				STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
W01-6a 72X36 18.00 W01-7 60X30 12.50			HORIZ, ARROW (SYMBOL ON PERMANENT BARRICADE) DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10L MO4-10R						DETOUR (ARROW LEFT) DETOUR (ARROW RIGHT)	6161014 6161025	100	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT) CHANNELIZER (TRIM LINE)
WO1-7a 72X36 18.00			DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	MU4-TUK	401	0 0.00		ATORY SIGNS	<u> </u>	DETOOR (ARROW RIGHT)	6161030	100	TYPE III MOVEABLE BARRICADE
WO1-8 18X24 3.00			CHEVRON (SYMBOL)	R1-1	4884	18 13.25		VIOWI 210N2	, 	STOP	6161033		DIRECTION INDICATOR BARRICADE
WO1-8a 30X36 7.50			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2		I. 6.93				YIELD	6161040		FLASHING ARROW PANEL
WO3-1 48X48 16.00			STOP AHEAD (SYMBOL)	R1-2a		6 9.00				TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER
W03-2 48X48 16.00			YIELD AHEAD (SYMBOL)	R1-3P		2 2.50				ALL WAY (PLAQUE)	6161051		WARNING LIGHT, TYPE A
W03-3 48X48 16.00			SIGNAL AHEAD (SYMBOL)	R2-1		8 12.00			4	SPEED LIMIT XX 2-45, 2-55	6161052		WARNING LIGHT, TYPE B
	112.00	11	BE PREPARED TO STOP	R3-1		8 16.00				NO RIGHT TURN (SYMBOL)	6161053		WARNING LIGHT, TYPE C
W03-5 48X48 16.00			SPEED LIMIT AHEAD	R3-2	48X4	8 16.00				NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT
WO4-1L 48X48 16.00			MERGE (SYMBOL FROM LEFT)	R3-3	36X3	6 9.00				NO TURNS	6161070		TUBULAR MARKER
WO4-1R 48X48 16.00			MERGE (SYMBOL FROM RIGHT)	R3-4	48X4	8 16.00)			NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
WO4-1aL 48X48 16.00			MERGE (ARROW SYMBOL)	R3-7L	30X3	0 6.25				LEFT LANE MUST TURN LEFT			CHANGEABLE MESSAGE SIGN,
WO4-1aR 48X48 16.00			MERGE (ARROW SYMBOL)	R3-7R		6.25				RIGHT LANE MUST TURN RIGHT	6161096		COMMISSION FURNISHED/RETAINED
WO5-1 48X48 16.00			ROAD/BRIDGE/RAMP NARROWS	R4-1		12.00				DO NOT PASS			CHANGEABLE MESSAGE SIGN W/O COMM.
W05-3 48X48 16.00			ONE LANE BRIDGE	R4-2		12.00				PASS WITH CARE	61610984	\ <u> </u>	INTERFACE, CONTRACTOR FURNISHED/RETAINED
W05-5 48X48 16.00			NARROW LANES	R4-8a		12.00				KEEP LEFT (HORIZONTAL ARROW)		4	CHANGEABLE MESSAGE SIGN WITH COMM.
W06-1 48X48 16.00			DIVIDED HIGHWAY (SYMBOL)	R4-7a		12.00				KEEP RIGHT (HORIZONTAL ARROW)	6161099		INTERFACE, CONTRACTOR FURNISHED/RETAINED
W06-2 48X48 16.00			DIVIDED HIGHWAY END (SYMBOL)	R5-1		0 6.25				DO NOT ENTER	61620004	\ <u> </u>	WORK ZONE TRAFFIC SIGNAL SYSTEM
W06-3 48X48 16.00			TWO WAY TRAFFIC (SYMBOL)	R5-1a		4 6.00				WRONG WAY	6162002	-	TEMPORARY LONG-TERM RUMBLE STRIPS
W07-3a 30X24 5.00			NEXT XX MILES (PLAQUE) BUMP	R6-1L		8 6.75				ONE WAY ARROW (LEFT)	6162004	4	TEMPORARY SHORT-TERM RUMBLE STRIPS
WO8-1 48X48 16.00 WO8-2 48X48 16.00			DIP	R6-1R R6-2L		8 6.75				ONE WAY ARROW (RIGHT) ONE WAY (LEFT)	6173600D	J	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
W08-3 48X48 16.00			PAVEMENT ENDS	R6-2R		0 5.00			-	ONE WAY (RIGHT)	61736UUL	<u>'</u>	TEMPORARY TRAFFIC BARRIER
W08-4 48X48 16.00			SOFT SHOULDER	R9-9		2 2.00				SIDEWALK CLOSED	6173602E		CONTRACTOR FURNISHED/COMMISSION RETAINED
WO8-5 48X48 16.00			SLIPPERY WHEN WET (SYMBOL)	11.5	27//	2,2,00				SIDEWALK CLOSED AHEAD,	6174000A	1	TEMP, TRAFFIC BARRIER HEIGHT TRANSITION
WO8-6 48X48 16.00			TRUCK CROSSING (WITH FLAGS)	R9-11L	24X1	8 3.00				(ARROW LEFT) CROSS HERE	61750104		RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-6c 48X48 16.00			TRUCK ENTRANCE	1	1	1				SIDEWALK CLOSED AHEAD,			TEMPORARY TRAFFIC BARRIER
WO8-7 36X36 9.00			LOOSE GRAVEL	R9-11R	24X1	8 3.00				(ARROW RIGHT) CROSS HERE	6176000E	3	COMMISSION FURNISHED/RETAINED
WO8-7a 36X36 9.00			FRESH OIL/LOOSE GRAVEL			6 6.00				STOP HERE ON RED (45° ARROW)			TEMP, TRAFFIC BARRIER HEIGHT TRANSITION
WO8-9 48X48 16.00			LOW SHOULDER	R11-2	48X3	0 10.00				ROAD CLOSED	6177000E	s	COMMISSION FURNISHED/RETAINED
WO8-11 48X48 16.00 8	128.00	36	UNEVEN LANES							ROAD CLOSED XX MILES AHEAD	62080644		TEMPORARY RAISED PAVEMENT MARKER
WO8-12 48X48 16.00 4	64.00	35	NO CENTER LINE	R11-3a	60X3	0 12.50				LOCAL TRAFFIC ONLY	9029400		TEMPORARY TRAFFIC SIGNALS
WO8-15 48X48 16.00			GROOVED PAVEMENT	R11-4	60X3	0 12.50				ROAD CLOSED TO THRU TRAFFIC	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
W08-15P 30X24 5.00			MOTORCYCLE (PLAQUE)	CONST-3						FINE SIGN			
WO8-17 48X48 16.00			SHOULDER DROP-OFF (SYMBOL)	CONST-3	X 56X1	2 4.67				SPEEDING/PASSING (PLATE)			
W08-17P 30X24 5.00			SHOULDER DROP-OFF (PLAQUE)	1	1.	- 1		LLANEOUS SI	IGNS				
W10-1 42RND. 9.62			RAILROAD CROSSING	CONST-5						POINT OF PRESENCE			
W012-1 24X24 4.00			DOUBLE DOWN ARROW (SYMBOL)	CONST-5						POINT OF PRESENCE			
W012-2 48X48 16.00			LOW CLEARANCE (SYMBOL)	-			4 32.00		56	RATE OUR WORK ZONE	<u> </u>		
W012-2X 24X18 3.00			LOW CLEARANCE (PLAQUE)	CONST-7					FC	RATE OUR WORK ZONE	1		
W012-2a 84X24 14.00			OVERHEAD LOW CLEARANCE (FEET AND INCHES) LOW CLEARANCE XX FT XX IN XX MILES AHEAD	1 CON21-8	4883	12.00	4 48.00		29	WORK ZONE NO PHONE ZONE			
W012-4 120X60 50.00 W012-5 120X60 50.00			WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	\vdash	+		 		-				
W013-1 30X30 6.25			ADVISORY SPEED (PLAQUE)	11	+								
W016-2 30X24 5.00			XXX FEET (PLAQUE)	1	+		+ + -		 				
W016-3 30X24 5.00			X MILE (PLAQUE)	1	+								
W020-1 48X48 16.00 12	192.00	2	ROAD/BRIDGE/RAMP WORK AHEAD	11	+								
W020-2 48X48 16.00			DETOUR AHEAD	11						†			
W020-3 48X48 16.00			ROAD CLOSED AHEAD	1	1								
W020-4 48X48 16.00 4	64.00	7	ONE LANE ROAD AHEAD	616-10	0.05		TOTAL						
W020-5 48X48 16.00		<u> </u>	RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTR		ON ST							
W020-5a 48X48 16.00			2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10				TOTAL	1				
W020-6a 48X48 16.00			RIGHT/CENTER/LEFT LANE CLOSED	RELOCA		SIGNS			1				
WO20-7a 48X48 16.00 11	176.00	8	FLAGGER (SYMBOL, WITH FLAGS)						-				
WO21-2 36X36 9.00			FRESH OIL]									
WO21-5 48X48 16.00			SHOULDER WORK AHEAD	1									

SHOULDER WORK AHEAD BLASTING ZONE AHEAD

WET PAINT (ARROW PIVOTS)

END BLASTING ZONE

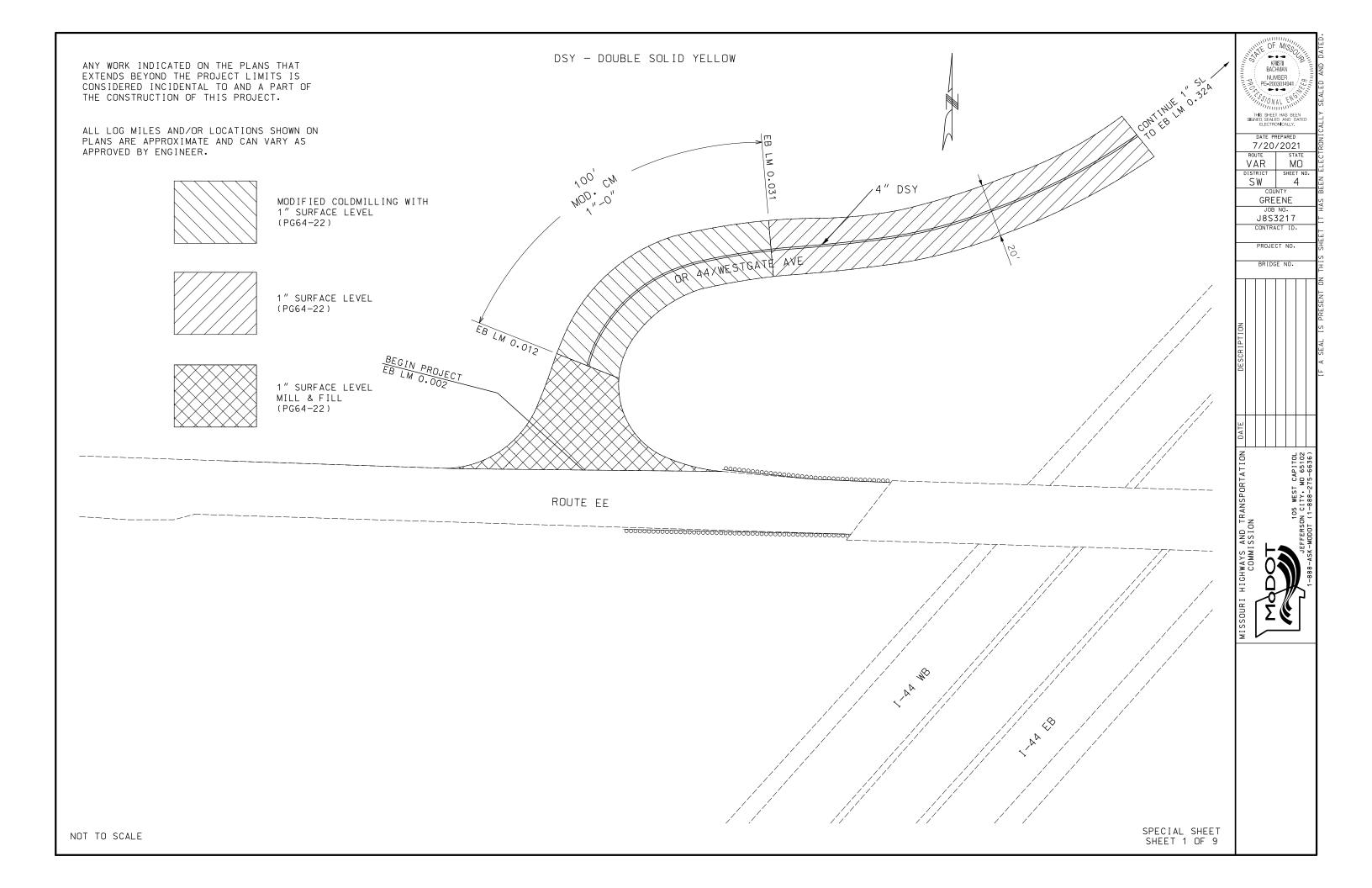
TURN OFF 2-WAY RADIO AND PHONE

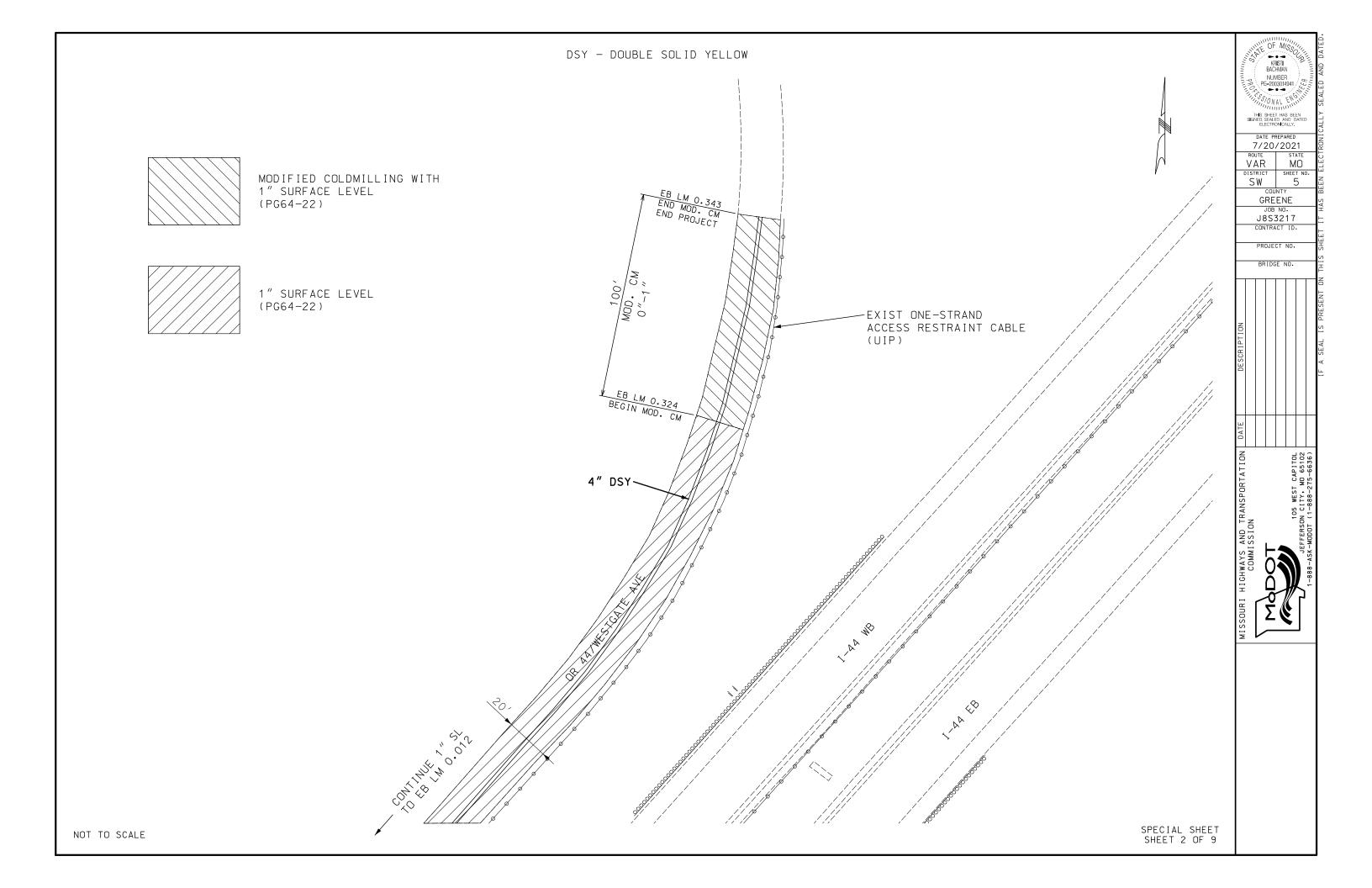
W021-5 48X48 16.00 W022-1 48X48 16.00

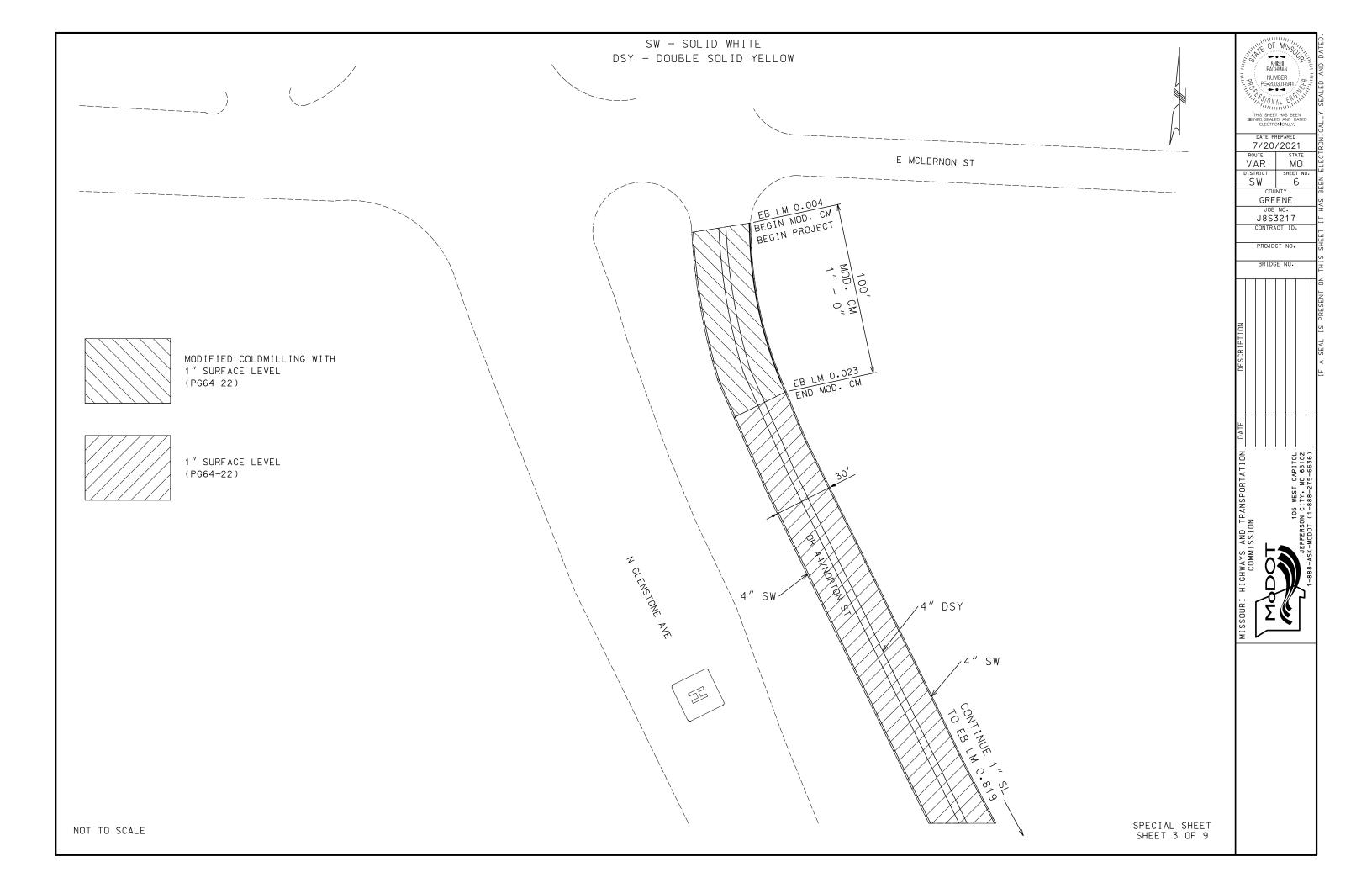
WO22-2 42X36 10.50 W022-3 42X36 10.50 G022-1 21X15 2.19

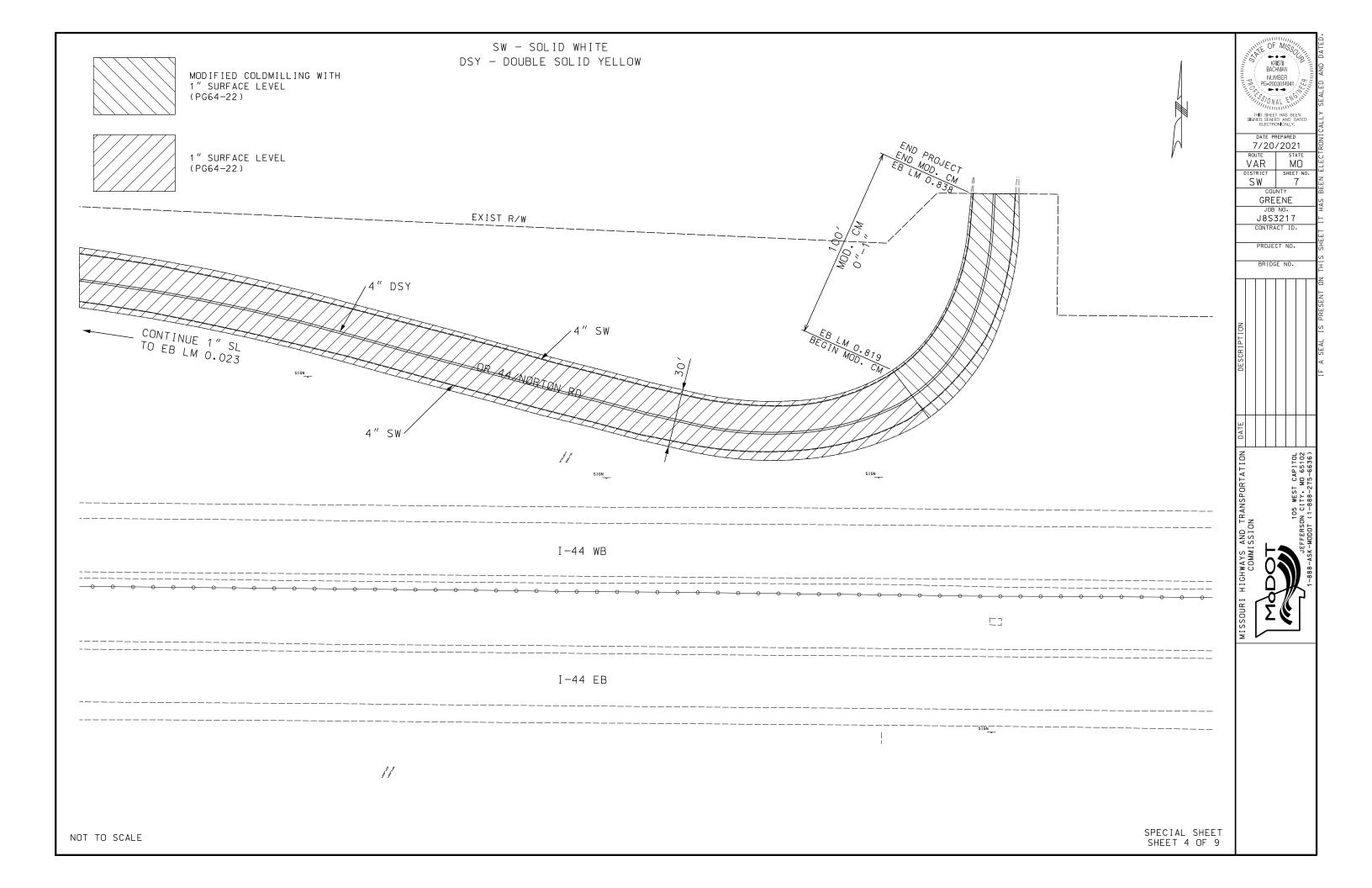
KRISTI BACHMAN NUMBER PE-200301941/ DATE PREPARED
7/20/2021
ROUTE STATE
VAR MO
DISTRICT SHEET NO.
SW 3
COUNTY GREENE JOB NO.
J8S3217
CONTRACT ID. PROJECT NO. BRIDGE NO.

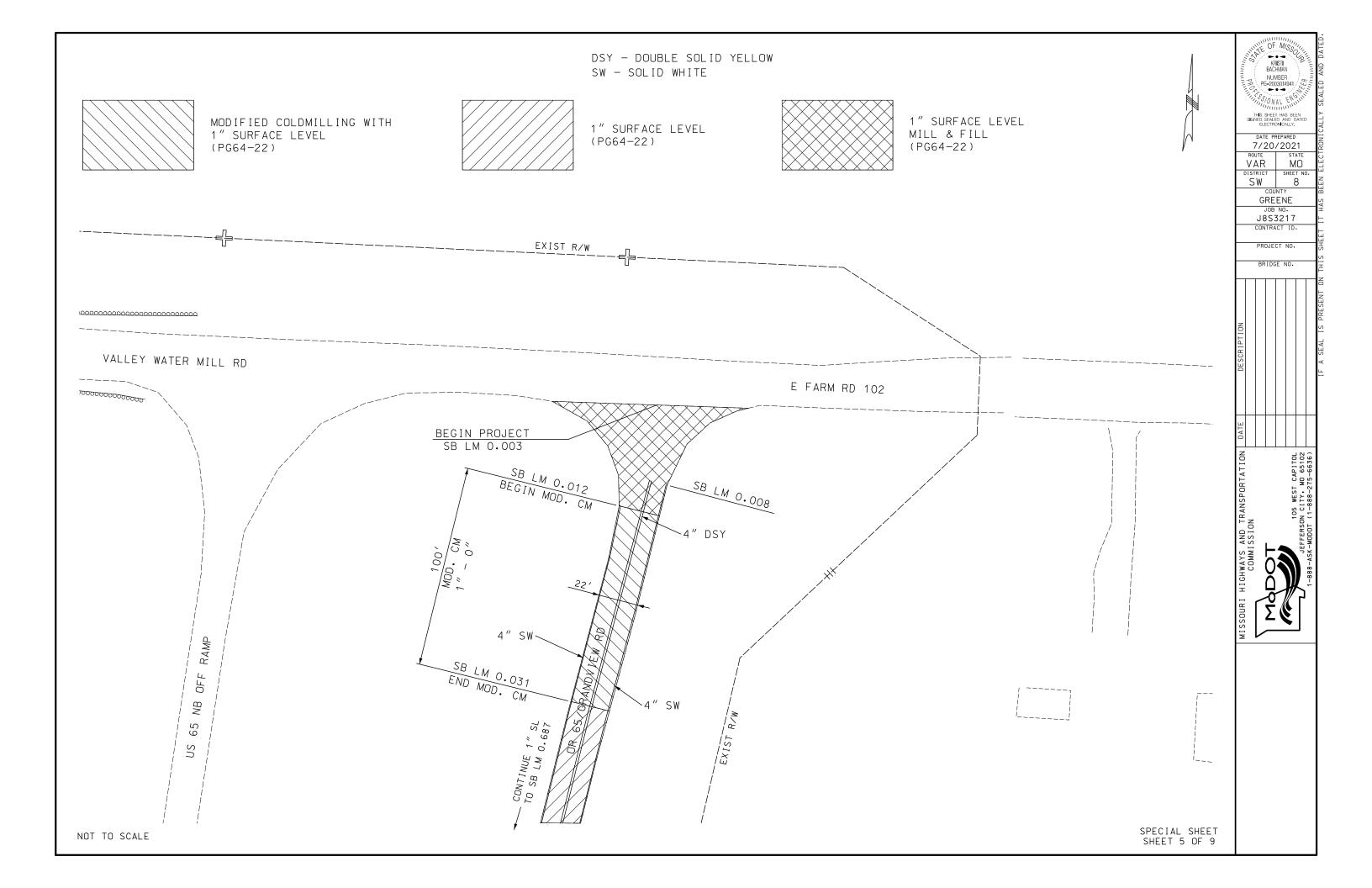
QUANTITY SHEET SHEET 4 OF 4

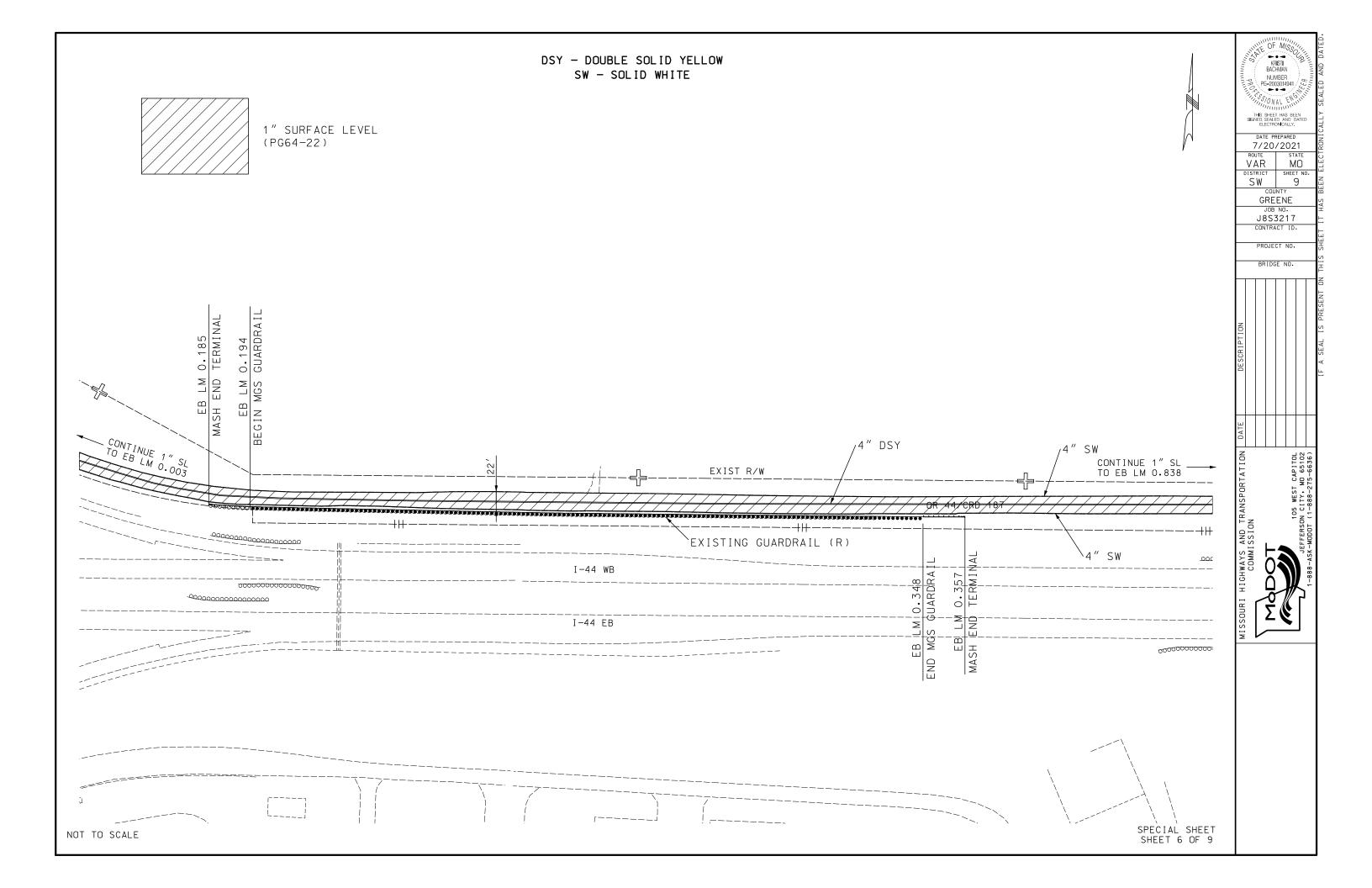


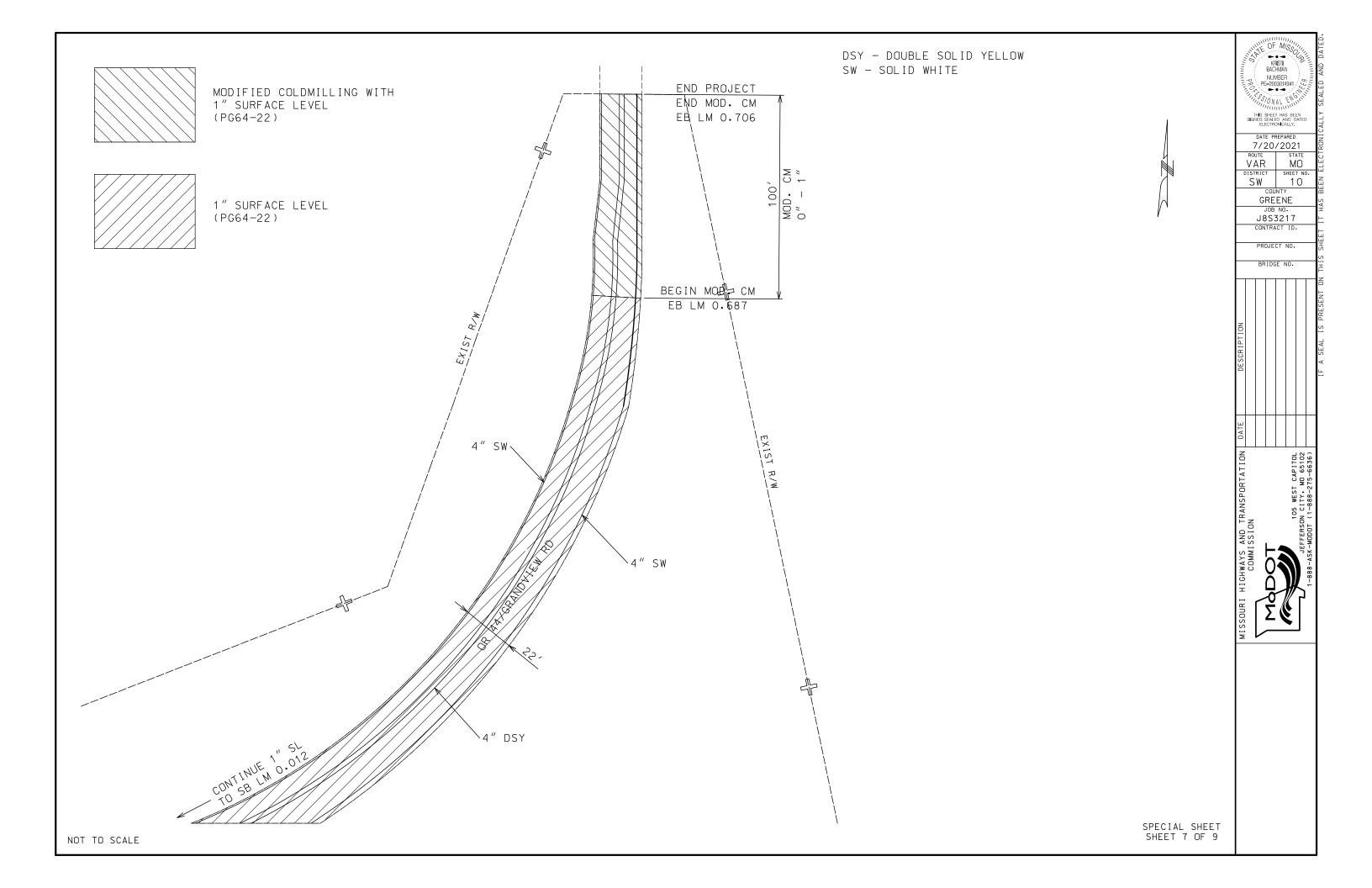


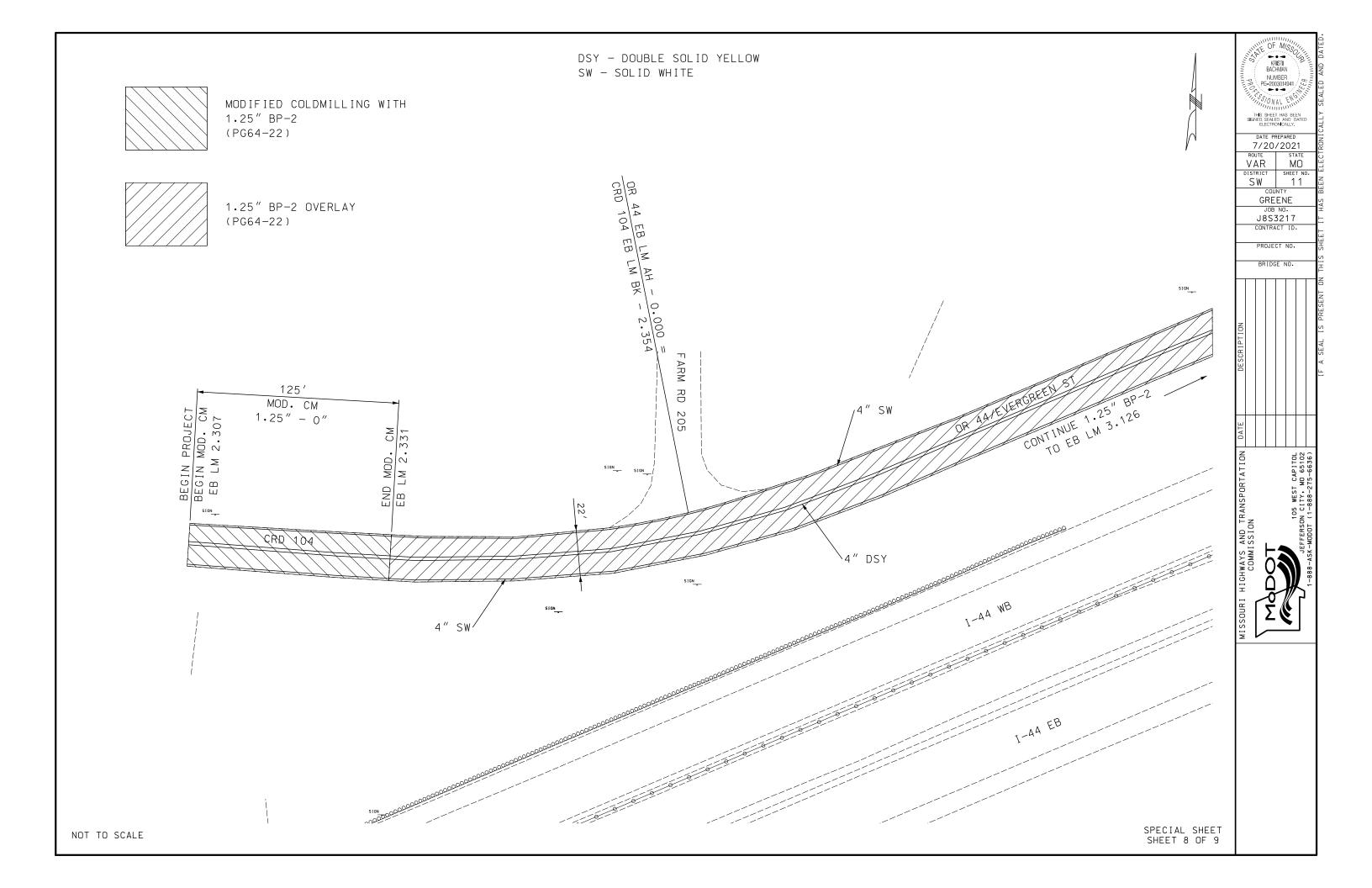


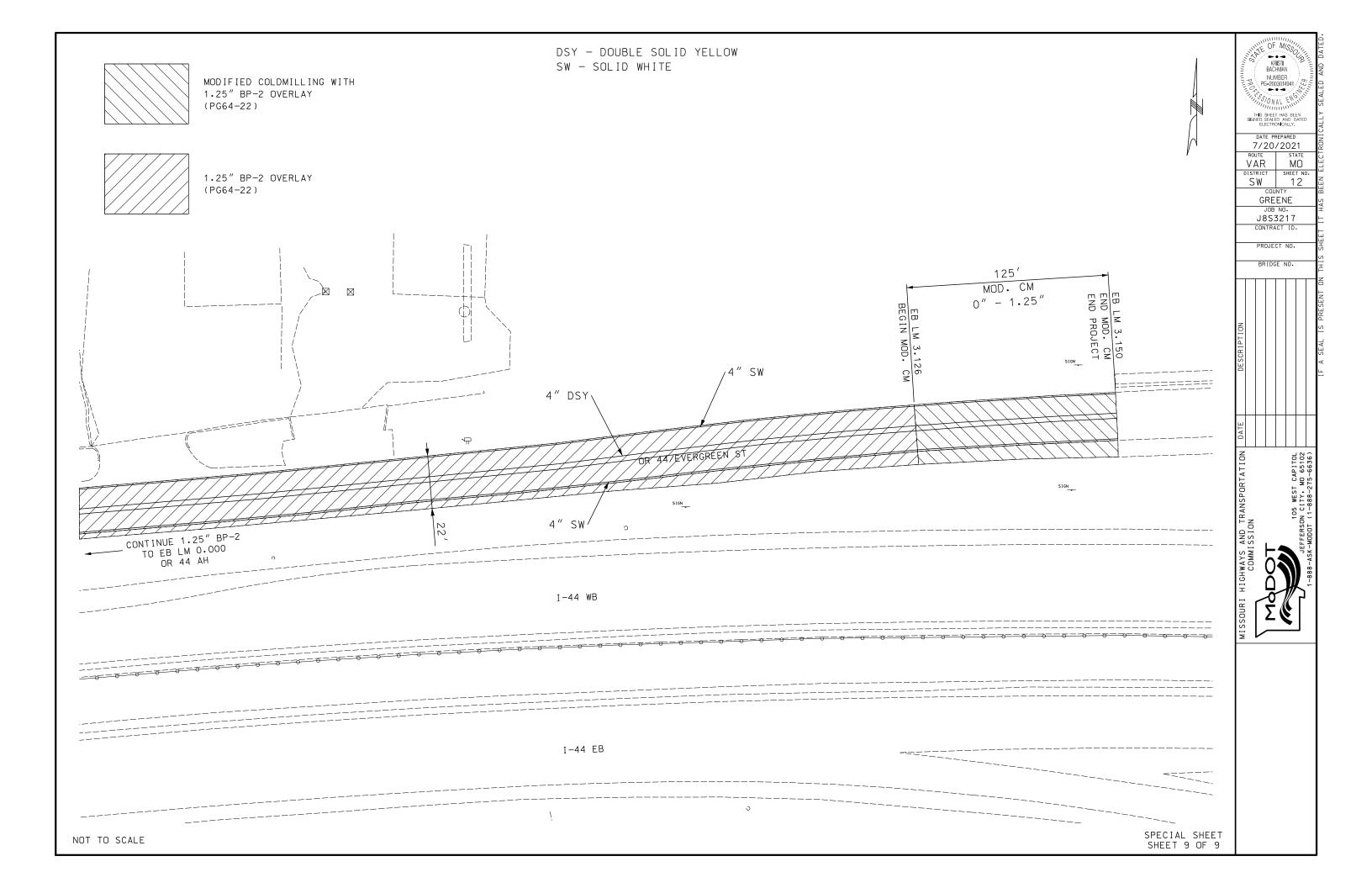












KRISTI BACHMAN

NUMBER

PE-2003014941

S/ONAL S

7/20/2021

GREENE

J8S3217

CONTRACT ID

BRIDGE NO.

MΩ

SHEET NO

13

VAR

DISTRICT

SW

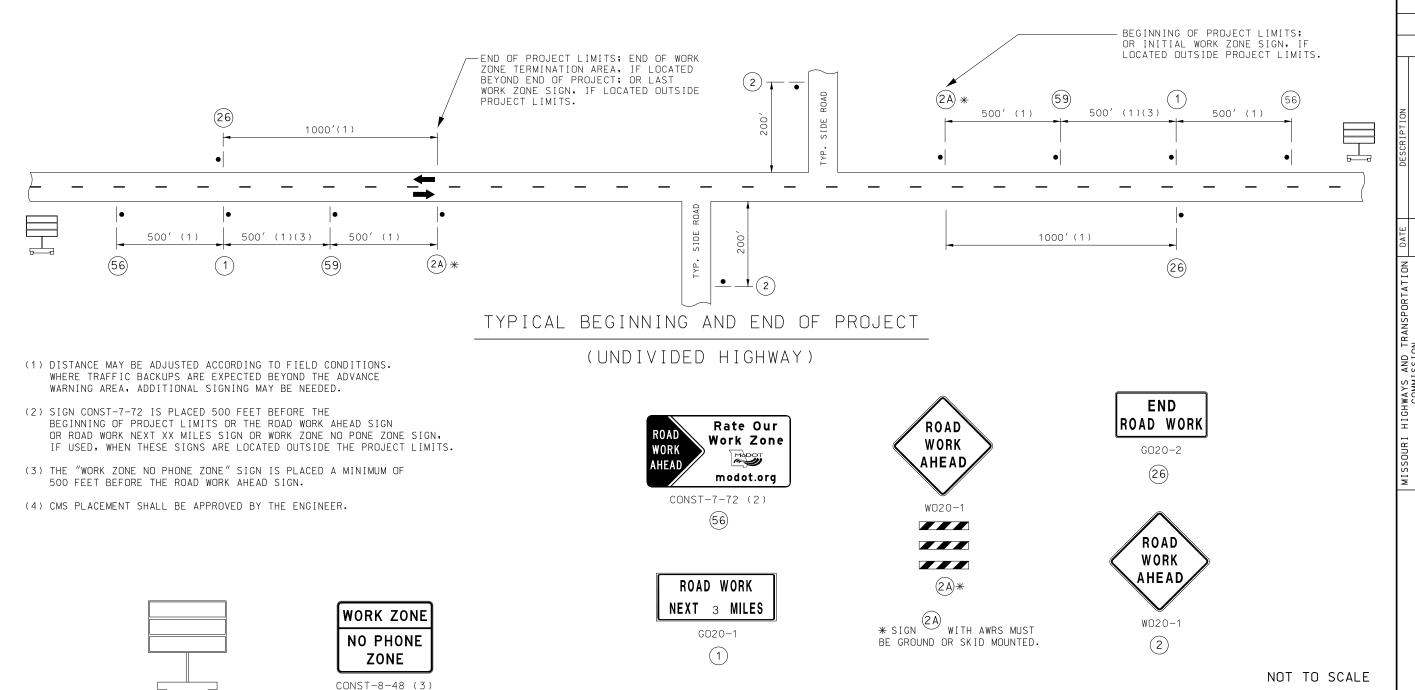
TRAFFIC CONTROL

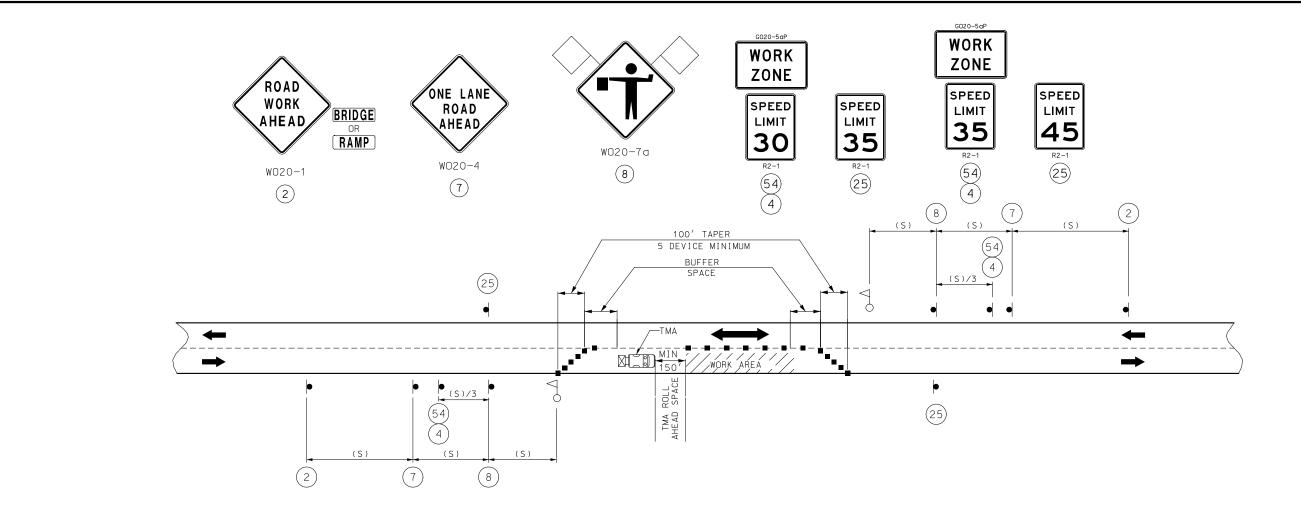
SHEET 1 OF 6

- 1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
- 2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
- 3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
- 4. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
- 5. REFER TO STANDARD DRAWING 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
- 6. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
- 7. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
 8. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL.
- 9. ALL SIGNS, EXCEPT "RATE OUR WORK ZONES" SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER.
- 11. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA, LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
- 12. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
- 13. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
- 14. ADJUST ADVANCE WARNING SIGN SPACING TO AVOID SIGN PLACEMENT WITHIN THE LIMITS OF THE RAILROAD RIGHT OF WAY.
- 15. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

(59)

CMS (4)





NOTES:

IF A FLASHING ARROW PANEL IS USED ON TMA, THE CAUTION MODE SHALL BE USED.

VEHICLE HARARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE ROTATING LIGHTS OR STROBE LIGHTS.

AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.

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 SIGN W020-7a ARE SUBSIDIARY TO THE SIGN.

- CHANNELIZERS

- FLAGGER

TRUCK MOUNTED ATTENUATOR (TMA)

SPEED	SIGN SPA	CING (FT) 1)	CHANNEL I ZER	SPACING (FT)	BUFFER SPACE	TAPER LE	NGTH, FT
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	TAPERS	BUFFER/ WORK AREAS	LENGTH (FT)	SHOULDER	L ANE
0-35	200	200	35	40	280	70	245
40-45	350	500	40	80	400	150	540
50-55	500	1000	50	80	560	185	660
60-70	1000	SA-1000 SB-1500 SC-2640	60	120	840	235	840

NOTES:

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

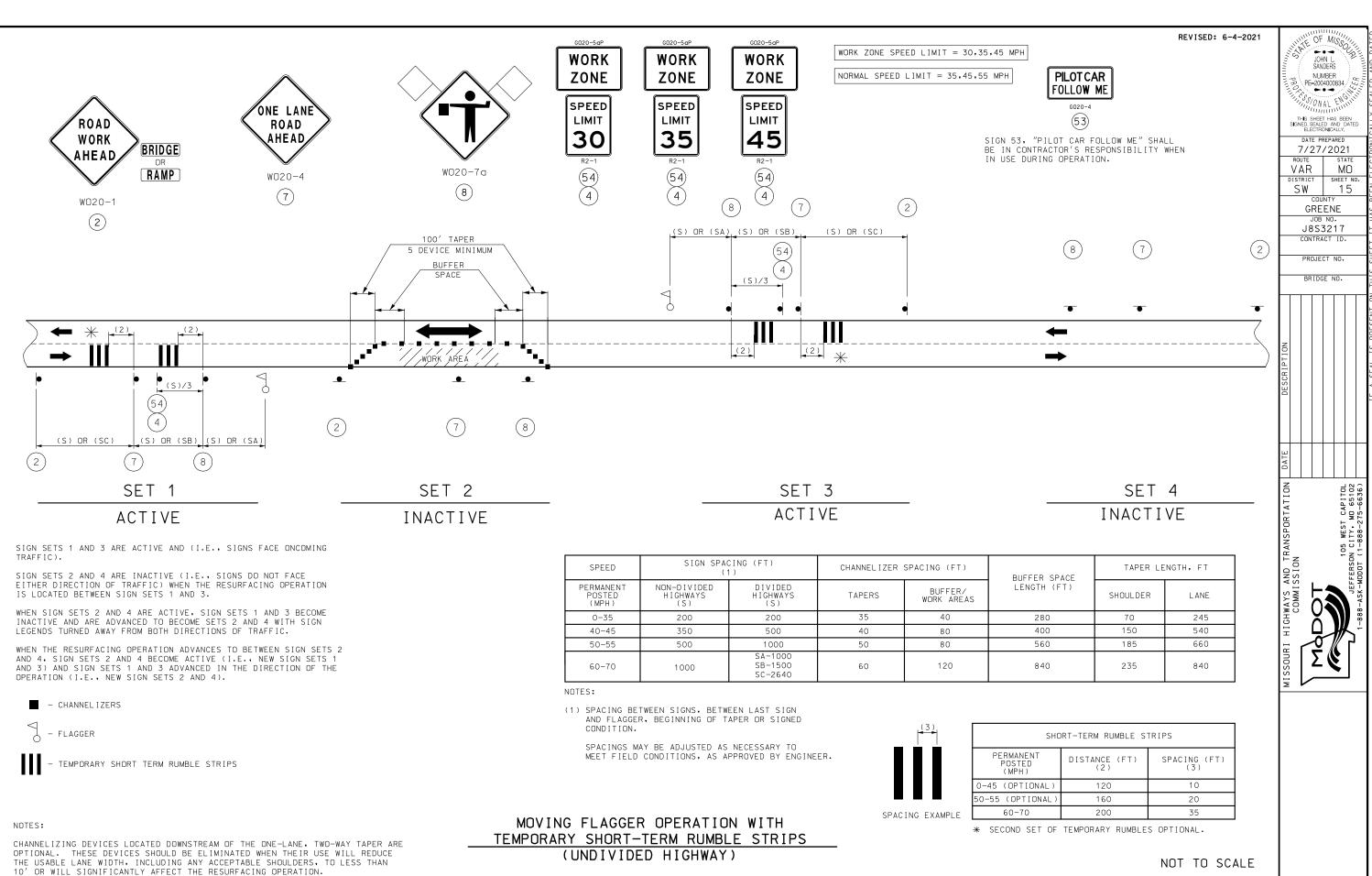
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.

LANE CLOSURE USING FLAGGERS
(UNDIVIDED HIGHWAY)

NOT TO SCALE

TRAFFIC CONTROL SHEET 2 OF 6

JOHN L. SANDERS NUMBER PE-2004000834 7/27/2021 VAR MΩ SHEET NO DISTRICT SW 14 GREENE J8S3217 CONTRACT ID PROJECT NO. BRIDGE NO.



FLAG ASSEMBLIES FOR SIGN WO20-7a ARE SUBSIDIARY TO THE SIGN.

TRAFFIC CONTROL SHEET 3 OF 6

KRISTI BACHMAN

NUMBER PE-2003014941 PE-2000

7/20/2021

GREENE

JOB NO. J8S3217

CONTRACT ID. PROJECT NO.

BRIDGE NO.

MΩ

SHEET NO.

16

VAR

DISTRICT

SW

SIDE ROADS ENTERING WORK ZONES



DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

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.

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.). IN USE

60

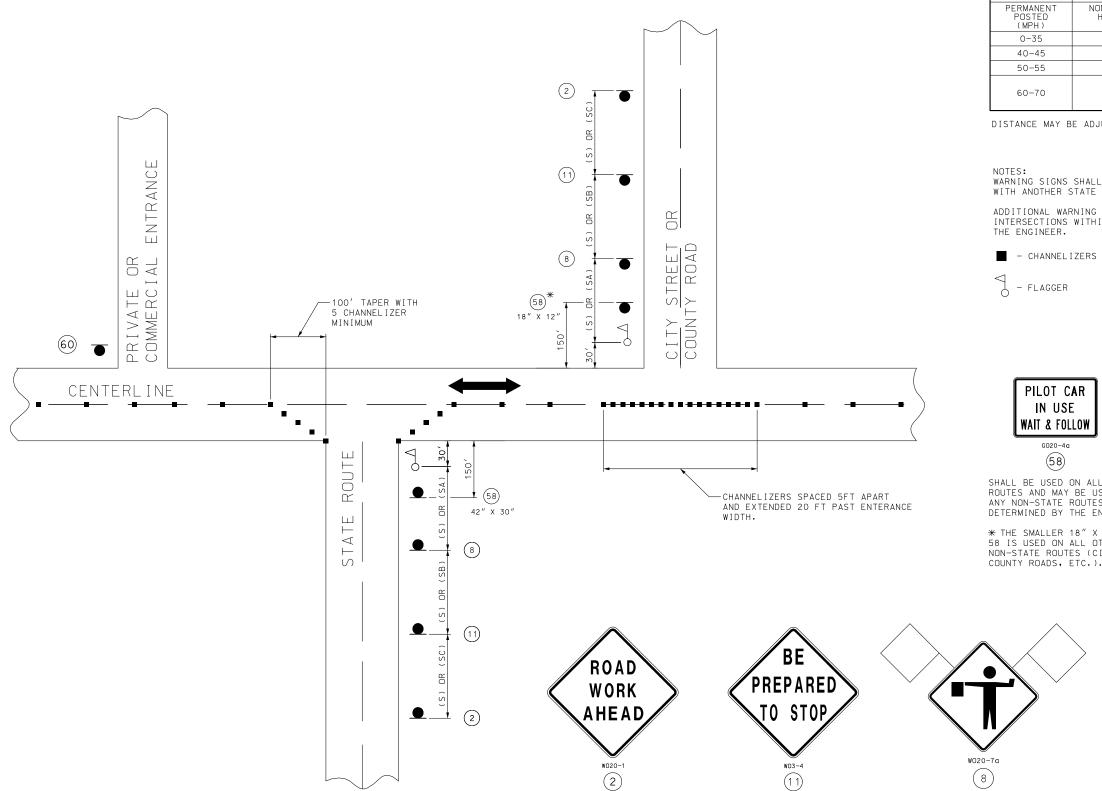
SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE SPECIAL PROVISIONS.

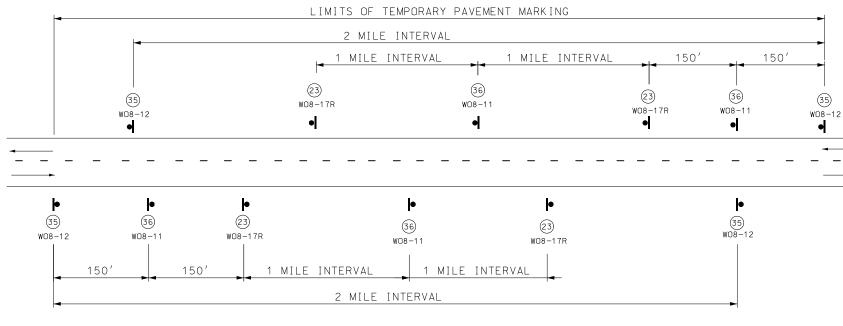
PILOT CAR WAIT & FOLLOW

SPECIAL

NOT TO SCALE

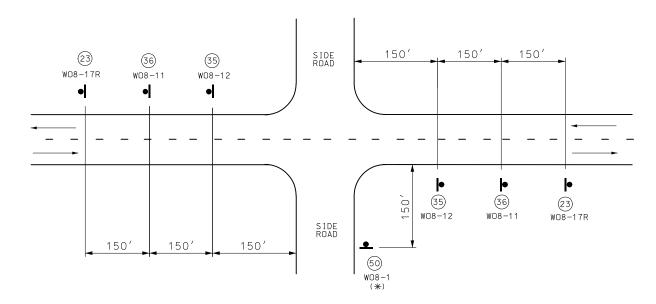
TRAFFIC CONTROL SHEET 4 OF 6





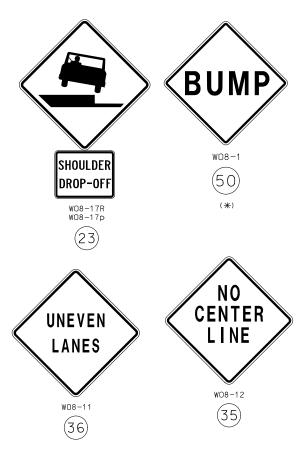
SIGN SPACING FOR MAINLINE

(DETAIL SHOWN IS BASED ON A PROJECT MEETING ALL CONDITIONS: NO CENTER STRIPE, UNEVEN LANES, SHOULDER DROP-OFF AND BUMP.)
WHEN BOTH UNEVEN LANES AND SHOULDER DROP-OFF SIGNS ARE USED, BOTH SIGHS SHALL STAY IN PLACE UNTIL BOTH CONDITIONS NO LONGER EXIST,
IF ONLY ONE CONDITION EXISTS (UNEVEN LANES OR SHOULDER DROP-OFF). THE SIGN SPACING SHALL BE AT 1 MILE INTERVALS.



SIGN SPACING AT SIDE ROAD INTERSECTIONS

(*) BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLAN 619.10.
UNLESS REQUIRED BY STANDARD PLAN 619.10. BUMP SIGN AT CONTRACTOR'S EXPENSE. NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.



GENERAL NOTES:

FOR DETAILS OF TEMPORARY PAVEMENT MARKING, SEE SHEET 1 OF 5.

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 (39) 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.

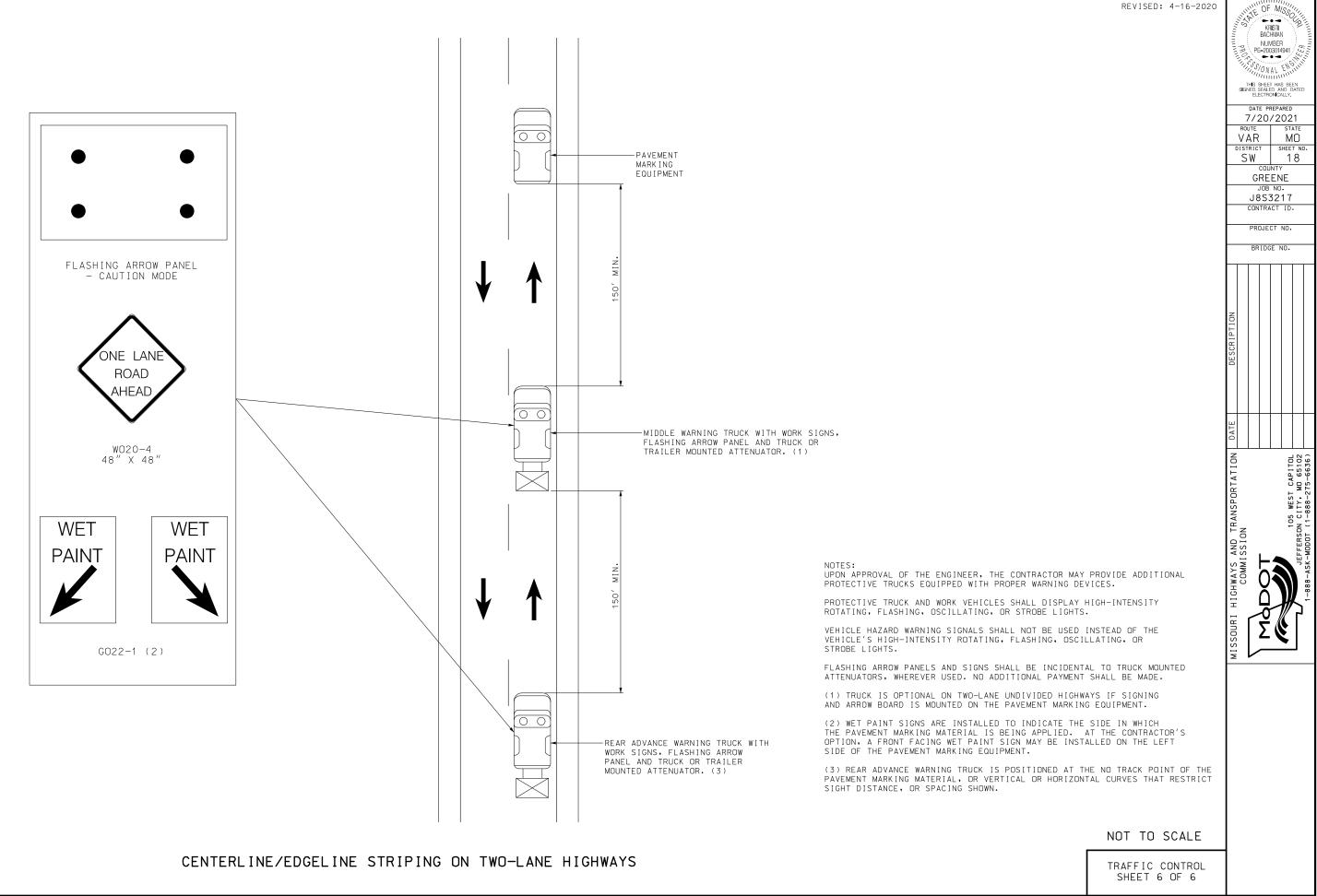
WHEN SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.

FOR BRIDGE EXCEPTIONS AND COLDMILLED AREAS, LOCATION OF SIGN 50 TO BE APPROVED BY THE ENGINEER. UNLESS REQUIRED BY STANDARD PLAN 619.10, SIGN 50 AT CONTRACTOR'S EXPENSE, NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.

NOT TO SCALE

TRAFFIC CONTROL SHEET 5 OF 6

KRISTI BACHMAN NUMBER PE-2003014941 SONAL EN 7/20/2021 VAR MΩ SHEET NO DISTRICT 17 SW GREENE J8S3217 CONTRACT ID PROJECT NO. BRIDGE NO.



DESIGN DESIGNATION

A.A.D.T. - 2020 = 3445 NORTON RD V = 35 M.P.H.

A.A.D.T. - 2020 = 1336 OUTER RD 13 $V = 35 M_{\bullet} P_{\bullet} H_{\bullet}$

NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS

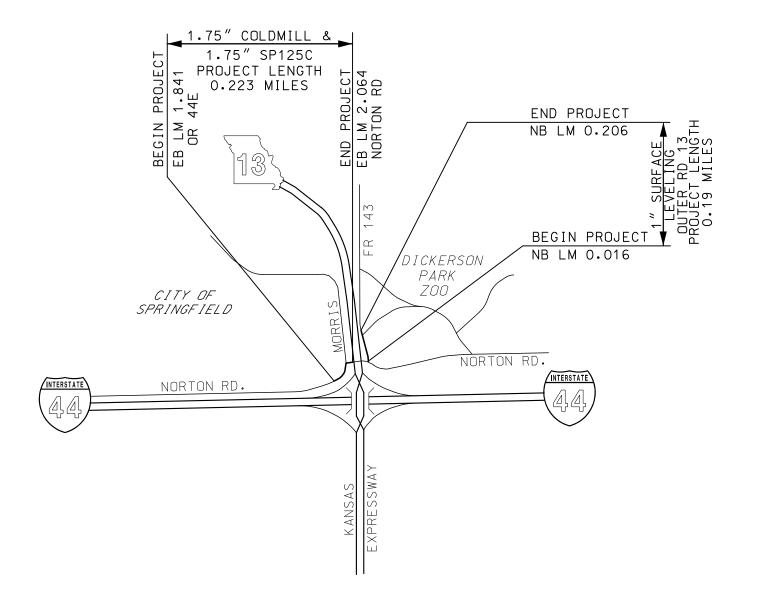
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER	0000	••••
LOCATION SURVEY MARKER UTILITIES	0	0
FIBER OPTICS	-F0-	-F0-
OVERHEAD CABLE TV	-OTV-	
UNDERGROUND CABLE TV OVERHEAD TELEPHONE	-UTV- - OT-	-UTV- -0T-
UNDERGROUND TELEPHONE	-UT-	UT
OVERHEAD POWER UNDERGROUND POWER	– 0E – – UE –	0_
SANITARY SEWER	- UE -	
STORM SEWER	– SS –	
GAS WATER	— G — — W —	— G —
	SAN	. "
MANHOLE	HYD)
FIRE HYDRANT	w _v C	Ţ
WATER VALVE	C)
WATER METER	‴⊕)
DROP INLET	D1	
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	-
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE	PED	
CHAIN LINK WOVEN WIRE GATE POST	—	
BENCHMARK	ВМ≪	<u>-</u>
DE.10	✓	/

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

GREENE 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) (3 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
SPECIAL SHEETS (SS)	4-5
TRAFFIC CONTROL SHEETS (TC)	6-13

THHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		PE SS,	KF BACI NUM 200	MBEF 03014 0 A L LLLL LLLL LLLL ED A DNICA	E 1/0 E 1/0 I 1/1 / 1 S BE WD D	EN DATED	. Millian	TALLY SEALED AND DATE
	-	7/	E PF 197)2	1		I NU I
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D	S					T NO).	Id Nda
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		CON	TRA	СТ	ID	•		11:
		PRO)JE	СТ	NO.			S CHE
		BR	IDG	ΕN	10.			THI
FIIUN								NI IS PRESENT ON

LENGTH OF PROJECT

LOG MILES FROM 2016 OR44 EB ARAN

BEGINNING OF PROJECT LM 1.841 END OF PROJECT LM 2.018 0.177 MILES APPARENT LENGTH

LOG MILES FROM 2016 NORTON EB ARAN BEGINNING OF PROJECT LM 2.018

0.046 MILES APPARENT LENGTH

LM 2.064

LOG MILES FROM 2016 OUTER 13 NB ARAN

END OF PROJECT

BEGINNING OF PROJECT LM 0.016 END OF PROJECT LM 0.206

APPARENT LENGTH 0.190 MILES

NET LENGTH OF PROJECT 0.413 MILES STATE LENGTH 0.413 MILES

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES

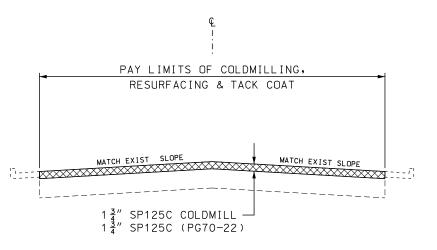
O ACRES



NOTE: NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO ENTIRE PROJECT LIMITS.

SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION



NORTON ROAD

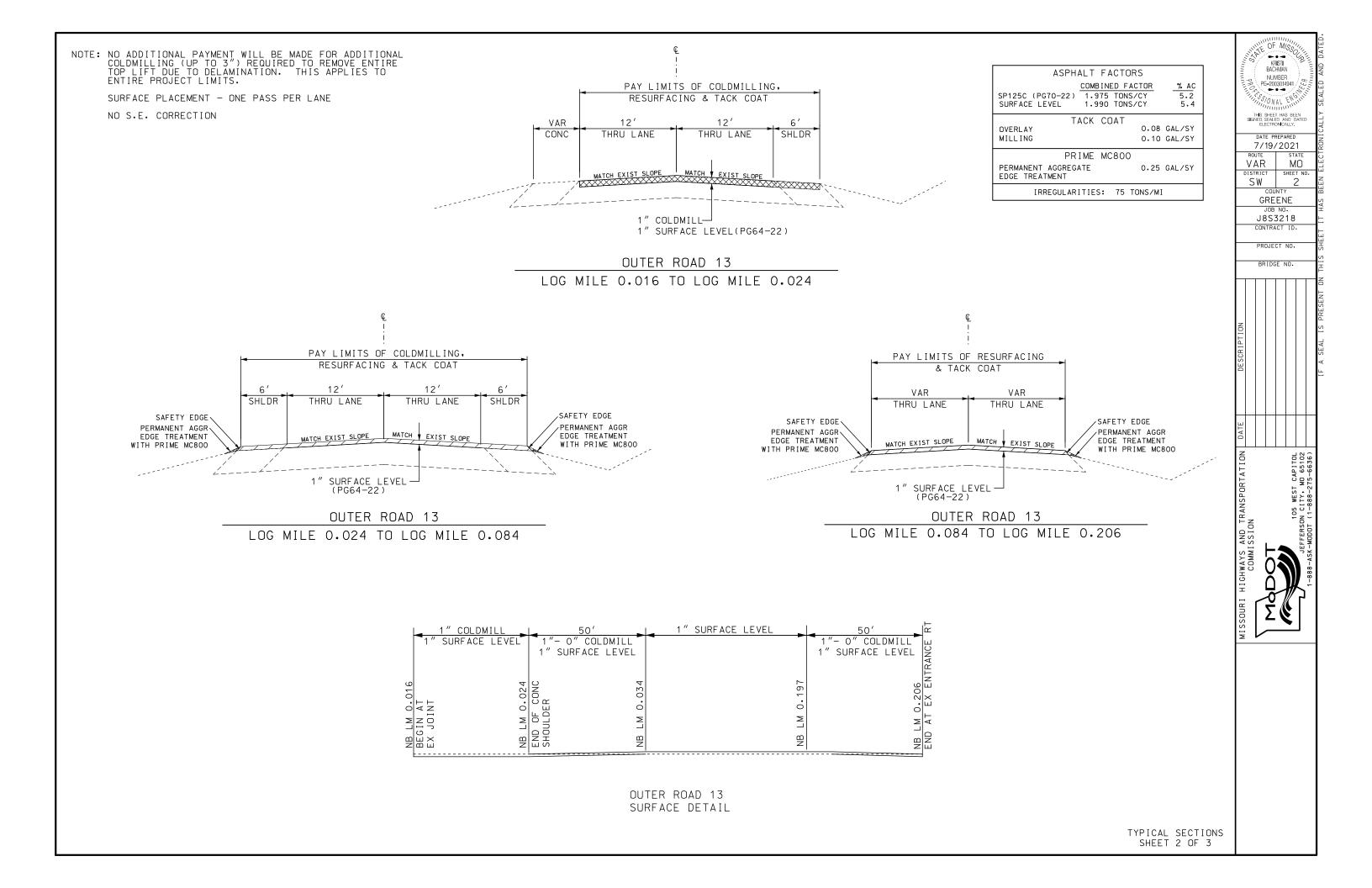
EB LOG MILE 1.841 TO EB LOG MILE 2.018 (OR44E) EB LOG MILE 2.018 TO EB LOG MILE 2.052 (NORTON RD) EB LOG MILE 2.053 TO EB LOG MILE 2.064 (NORTON RD)*

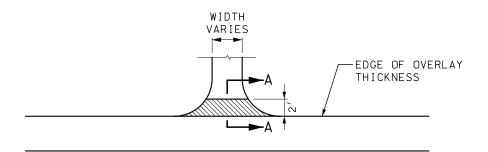
¥ JOINT REPAIR APPROX 63FT W/O JOINT AT PROJECT END NOTED AS LM 2.052 TO 2.053, THE INTENT
IS TO STRADDLE FAILED CONC JOINT, 3FT EITHER SIDE AND
THE ENTIRE WIDTH FROM CURB TO CURB. SEE DETAIL ON PLANSHEET

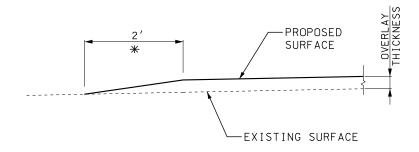
ASPHALT FACTORS COMBINED FACTOR 5.2 5.4 SP125C (PG70-22) 1.975 TONS/CY SURFACE LEVEL 1.990 TONS/CY TACK COAT OVERLAY 0.08 GAL/SY MILLING 0.10 GAL/SY PRIME MC800 PERMANENT AGGREGATE EDGE TREATMENT 0.25 GAL/SY IRREGULARITIES: 75 TONS/MI



TYPICAL SECTIONS SHEET 1 OF 3





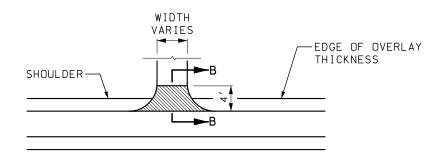


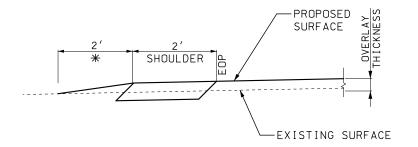
SECTION A-A

TYPICAL ENTRANCE - NO SHOULDER (FIELD, PRIVATE OR COUNTY ROAD) **TAPER AT 1:1 FOR FIELD ENTRANCE

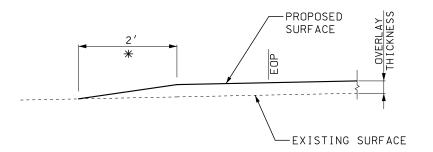
NOTE: 4 TONS GRAVEL A OR CRUSHED STONE B CALCULATED PER ENTRANCE.

6 TONS CALCULATED PER COUNTY ROAD.





AGGREGATE & EARTH ENTRANCES



ASPHALT & CONCRETE ENTRANCES

SECTION B-B

TYPICAL ENTRANCE - EXIST/NEW SHOULDER (FIELD, PRIVATE OR COUNTY ROAD)
**TAPER AT 1:1 FOR FIELD ENTRANCE

NOTES: DO NOT BUILD 2' MODIFIED A3 SHOULDERS ACROSS CONCRETE OR ASPHALT ENTRANCES, STREETS OR ROADS.

4 TONS GRAVEL A OR CRUSHED STONE B CALCULATED PER ENTRANCE.

6 TONS CALCULATED PER COUNTY ROAD.

MISSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION				[1111	THIII.	
COMMISSION						S	ROI		T S i GN	PROXILI	Ś	
				CON	G	RIC	ite AR	DAT	HIS :	PE S.S		IIII TE
MODOT				TRA	RE	T	137	E PI	CON CON SHEE SEALE	-200		OF
			E N	32 СТ	EN NO	S		REP / 20	AL HIV THA DA	03014	RISTI HMAI MBEF	М,
105 WEST CAPITOL				ID	IE.	HEE	ST	RED	S BE	1941		111,1,1 1885
JEFFERSON CITY, MO 65102				•		T NO	ATE		EN DATEC	INEED	A.	
1-888-ASK-MODOT (1-888-275-6636)						٠.)	HILL	THUMMIN	
					l	l	l		I			

			REMOVAL	OF IM	(PROVEMEN	TS						
LOG MILE	LOG MILE	LOCATION	DESCRIPTION	UNITS	TOTAL	REMARKS						
NORTON	NORTON											
2.052	2.053	LT&RT	CONC PAVT	SY	43	JOINT PAVT REPAIR						
2.052	2.053	Ę.	MEDIAN STRIP	SY	3	6FT OF MEDIAN STRIP						
OUTER ROA	AD 13											
0.016	0.064	RT	GUARDRAIL	LF	250	FROM CONC JOINT TO END						
				TOTAL	1 LUMP SUM							

					CUL DM.	ILLING	
					COLDIVI		
		NET			1"	1.75"	
LOG	LOG	LENGTH	WIDTH	AREA	COLDWILL	COLDWILL	
MILE	MILE	LF	LF	SF	SY	SY	REMARKS
NORTON F	ROAD						
1.841	2.052	1114.1	VAR.	55239.0		6137.7	W/o Rte 13-West joint to Pav't Repair
2.052	2.053	5.3	VAR.			0.0	Pav't Repair Joint(Approx 63FT w/o End Project)
2.053	2.064	58.1	VAR.	3566.6		396.3	W/o Rte 13-West joint to RTE13 joint
OUTER RO	DAD 13						
0.016	0.024	43.0	32.0	1376.0	152.9		South joint up to end of conc shoulder
				TOTAL	152.9	6534.0	
		·	·	USE	6687		

		MOD I F	FIED CO	LDMILLI	NG (DE	PTH TRANSITIONS)
		NET				
LOG	LOG	LENGTH	WIDTH	AREA		
MILE	MILE	LF	LF	SF	SY	REMARKS
OUTER RO	DAD 13					
0.024	0.033	50.0	36.0	1800.0	200.0	End of Conc shoulder north 1" to 0"
0.197	0.206	50.0	23.0	1150.0	127.8	EX JOINT AT THE END OF PROJECT south 1" to 0"
				TOTAL	327.8	
				USE	328	

						BITUMINOUS PA	VEMENT		
		NET	AVERAGE	APPROACH	1" SURFACE LEVEL	1.75" SP125C	TACK	TACK	
LOG	LOG	LENGTH	WIDTH	AREA	1.990 TONS/CY	1.975 TONS/CY	0.08 GAL/SY	0.1 GAL/SY	REMARKS
MILE	MILE	LF	LF	SF	TONS *	TONS	GAL	GAL	
NORTON F	ROAD	•	•	•	•				
1.841	2.052	1114.1	VAR.	55239.0		589.3		613.8	W/o Rte 13-West joint to Pav't Repair
2.052	2.053	5.3							Pav't Repair Joint(Approx 63FT w/o End Project)
2.053	2.064	58.1	VAR.	3566.6		38.0		39.6	W/o Rte 13-West joint to RTE13 joint
OUTER RO	DAD 13								
0.016	0.024	43.0	32.0	1376.0	8.5			15.3	South joint to END CONC SHLDR
0.024	0.034	50.0	36.0	1800.0	11.3			20.0	CONC SHLDR TO END OF PAVED SHOULDER
0.034	0.084	263.2	36.0	9475.5	59.4		84.2		CONC SHLDR TO END OF PAVED SHOULDER
0.084	0.197	595.2	23.0	13689.6	85.8		121.7		PAVED SHLDR TO North Joint
0.197	0.206	50.0	23.0	1150.0	7.2			12.8	PAVED SHLDR TO North Joint
IRREGUL#	RITIES A	ND ENTRA	NCES						
1.841	2.064	1177.4				16.7			IRREGULARITIES @ 75 TONS/ MILE
0.016	0.206	1003.2			14.3				IRREGULARITIES @ 75 TONS/ MILE
0.016	0.206	661.0			0.6		1.7		ENTRANCES
				TOTALS	187.1	644.0	207.7	701.5	* SAFETY EDGE INCLUDED IN QUANTITY
				USE	187.1	644.0	909		
NOTE: ANY	AND ALL IF	RREGULARITI	ES MAY BE U	JNDERRUN ANI	NO ADJUSTMENT TO ANY	UNIT BID COST WILL BE	MADE.		

GRAVEL (A) OR CRUSHED STONE (B)
10 TONS

CONTRACTOR FURNISHED SURVEYING & STAKING
1 LUMP SUM

MOBILIZATION
1 LUMP SUM

RI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION		-			-				HIIIW.	11111	Г
COMMISSION							V A	DO	SIGN	7/	PROX	11/2	
			BR	PRO	JE	G	AR RIC W	ITE	DAT	HIS :	PE	XE.	1111
			IDO	JJE	JOB SS TRA	RE	Т	20.	E PI	ON VIII SHEE		•	(IIII)
			E N	СТ	32	E١	S	/2 	REPA	AL THA	MBEF 03014	RISTI HMAI	М,
105 WEST CAPITOL			10.	NO.	18 ID	ΙE	HEE	ST	RED	ENI		100	11/1/
JEFFERSON CITY, MO 65102							10 T NO 3	ATE	DATED	EN_	WEFR		//.
1-888-ASK-MODOT (1-888-275-6636)),)		William.		
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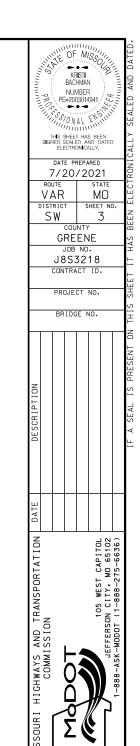
		PERMAN	ENT AGGREGAT	E EDGE TREAT	MENT
			AGGREGATE	PRIME MC800	
		LENGTH	200 TON/MILE	590 GAL/MILE	
LOG MILE	LOG MILE	MILES	TON	GAL	REMARKS
OUTER RO	AD 13				
0.024	0.206	0.182	36.4	107.4	South joint to North Joint
		TOTALS	36.4	107.4	
		USE	37	108	

					MGS G	UARDRAIL					
				MGS		MGS					
	NET RAIL MASH HEIGHT & BLOCK SHAPING										
			LENGTH	8ft POSTS	CWT	TRANSITION	SLOPES CLIII				
LOG	LOG	LOC	LF	LF	EACH	EACH	100 FT	REMARKS			
OUTER RO	DAD 13										
0.016	0.082	RT	350.0	275.0	1	1	3.8	From Height Transition to CWT			
			TOTALS	275	1	1	4				

							FULL DEPTH PA	VEMENT REPAIR			
BEGIN	END				AREA	FULL DEPTH PAVEMENT REPAIR SAW CUT (PERIMETER AND INTERNAL)	DOWEL BAR DRILLING FURNISHING AND INSTALLATION FOR FULL DEPTH PAVEMENT REPAIR	PLACING CONCRETE MATERIAL FOR FULL DEPTH	4" TYPE 1 OR 5 AGGREGATE BASE (PAVEMENT REPAIR)	6"SUBGRADE COMPACTION	
LOG	LOG	LOCATION	WIDTH	LENGTH	SF	LF	EA	SY	SY	SY	REMARKS
2.052	2.053	NORTON	65	6	390	142	105	43.4	43.4	43.4	JOINT APPROX 63FT W/O END PROJECT JOINT
					TOTALS	142	105	43.4	43	43	

			CON	CRETE ME	DIAN STRI	Р						
LOG MILE	LOG MILE	LOCATION	WIDTH	LENGTH	AREA	8 INCH	REMARKS					
LF LF SF SY												
NORTON												
2.052	2.053	NORTON €	4	6	24	2.7	CONSTRUCTED OVER PAV'T REPAIR					
					TOTAL	3						

	L00	P DETECTOR, IN	N DUCT
LOC MILE	LOCATION	LOOP DETECTOR,	DEMARKS
LOG MILE	LOCATION	IN DUCT LF	REMARKS
NORTON ROA	ND		
2.007	NB LEFT	343	6 X 30
2.009	NB THRU	204	6 X 20
2.021	WB THRU	200	6 X 20
2.025	WB LEFT	358	6 X 30
MORRIS AVE			
2.026	SB THRU/RT	205	6 X 20
2.028	SB LEFT	336	6 X 30
	TOTAL	1646	UNDERRUN CABLE, LOOP DETECTORS, IN DUCT
	USE	1650	IF NOT DAMAGED BY CONTRACTOR OPERATIONS.



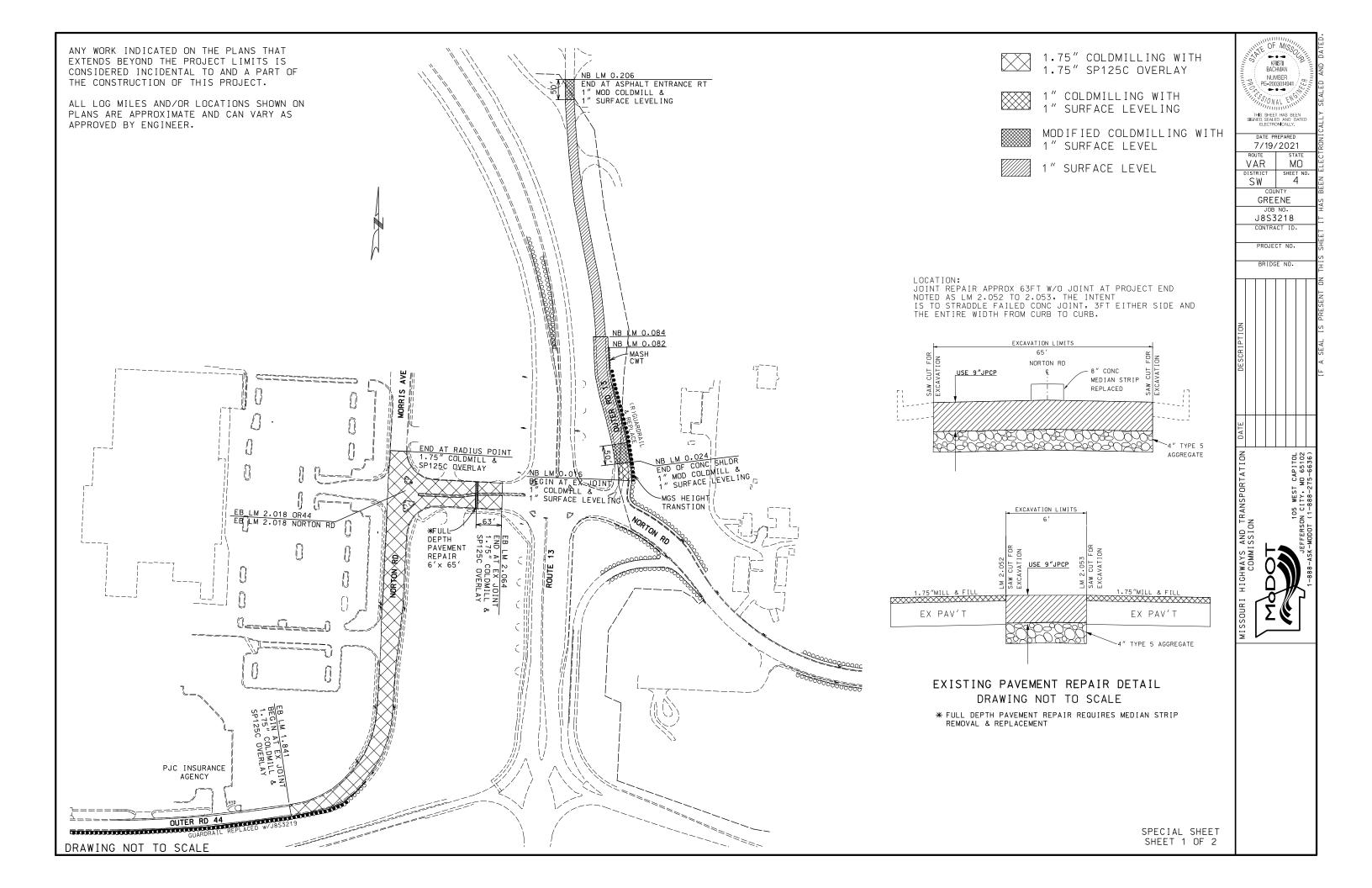
SUMMARY OF QUANTITIES SHEET 2 OF 4

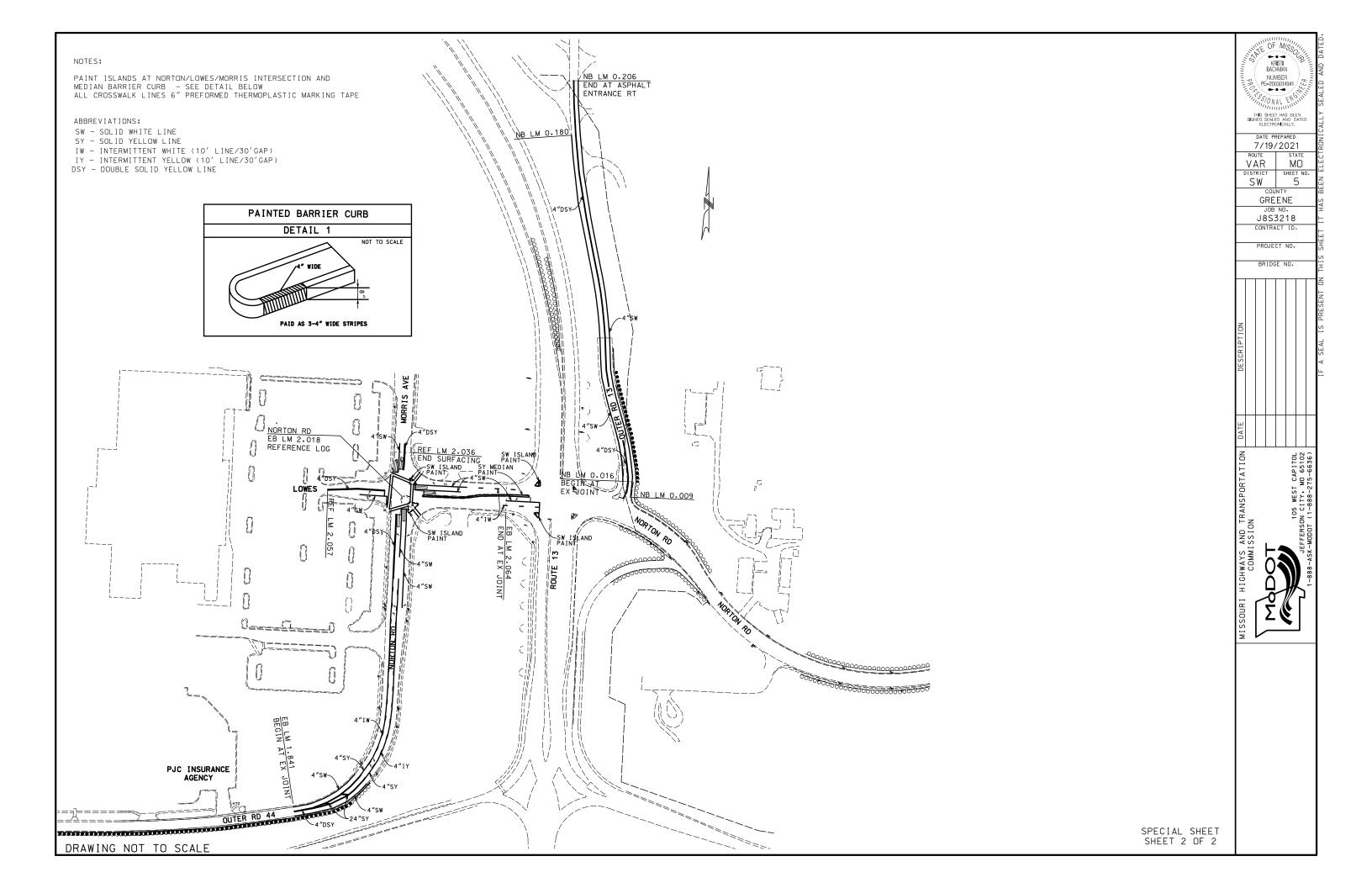
							P	AVEMENT M	ARK ING					
				PAINT TYPE P					THERMOPLAST					
				4" INTERM	4" SOLID	4" INTERM	4" SOLID			24" YELLOW	LT/RT	STR/RT	WORD "	
LOG	LOG		LENGTH	WHITE	WHITE	YELLOW	YELLOW	TAPE	TAPE	TAPE	ARROW	ARROW	"ONLY"	DELU DICC
MILE NORTON	MILE	LOCATION	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	REMARKS
1.841	1.875	LT	180.0		180.0									EDGE LINE
1.841	1.875	RT	180.0		180.0									EDGE LINE
1.841	1.850	Ę.	46.0				92.0							DOUBLE SOLID YELLOW CENTER LINE
1.854	1.879	LT RT	132.0 132.0				264.0 264.0							DBL SY-WIDTH TRANSITION DBL SY-WIDTH TRANSITION
1.863	1.013	Ę.	132.0				204.0			9.0				HASHMARK
1.873		Ę.								17.0				HASHMARK
1.879	1.977	LT RT	520.0 520.0			130.0 130.0	520.0 520.0							LEFT TUN LANE LEFT TUN LANE
1.885	1.311	Ę.	320.0			130.0	520.0				1			LEFT TURN LANE
1.888		Ę									1			LEFT TURN LANE
1.959		ę.									1			LEFT TURN LANE
1.962	2.009	€ RT	246.0		246.0						1			LEFT TURN LANE RIGHT TURN LANE
1.962	2.003	RT	2 10:0		210.0						1			RIGHT TURN LANE
1.995		RT									1			RIGHT TURN LANE
1.977	2.007	LT	160.0		119.0		320.0							DOUBLE SOLID YELLOW LANE LINE
1.995	2.009	LT LT	119.0		119.0						1			LEFT TURN LANE
2.007		LT							14.0		·			STOP BAR NB LEFT TURN
2.009		RT							12.0					STOP BAR NB THRU
2.008	2.011	LT/RT LT			96.0			96.0						CROSSWALK SOUTH LEG Island paint
2.019	2.021	RT			183.0									ISLAND PAINT
2.020		LT/RT						92.0						CROSSWALK EAST LEG
2.020		LT						54.0						CROSSWALK NE RIGHT
2.020	+	RT LT						48.0	12.0					CROSSWALK SE RIGHT STOP BAR WB THRU
2.021	2.045	LT	129.0		129.0				1200					LANE LINE
2.021	2.042	LT	113.0		113.0									LANE LINE
2.025	2.074	©_ L⊤					1599.0		12.0					MEDIAN PAINT STOP BAR WB LEFT TURN
2.030		LT							12.0		1			LEFT TURN LANE
2.030		LT									1			RIGHT TURN LANE
2.035	0.000	LT	100.0	70.0									1	RIGHT TURN LANE
2.045	2.068	LT RT	120.0 90.0	30.0 30.0										LANE LINE LANE LINE
2.064	2.080	RT	83.0	0010	83.0									RIGHT TURN LANE
2.069		RT									1			LEFT TURN LANE
2.074	+	RT RT							12.0					STOP BAR EB LEFT STOP BAR EB THRUS
2.078	2.080	LT			117.0				24.0					ISLAND PAINT
2.078	2.080	RT			108.0									ISLAND PAINT
LOWES E				 		, , , , , , , , , , , , , , , , , , ,		T	1	1		1	1	2D202WU W
2.021	2.020	LT/RT LT						163.0	22.0					CROSSWALK WEST LEG STOP BAR EB THRU/RT
2.022		LT							22.0			1		THRU/RIGHT TURN LANE
2.030	2.043	LT	67.0		67.0									LANE LINE
2.023		LT						-	13.0		4			STOP BAR EB LEFT
2.030	2.057	LT RT	142.0				284.0				I			LEFT TURN LANE DOUBLE SOLID YELLOW
MORRIS				<u> </u>		<u> </u>	240		1	<u>. </u>			1	
2.025	2.022	LT/RT						95.0						CROSSWALK NORTH LEG
2.026		LT							12.0					STOP BAR SB THRU/RT
2.031	2.040	LT LT	72.0		72.0			+				1	+	THRU/RIGHT TURN LANE LANE LINE
2.028	2.010	LT			1270				12.0					STOP BAR SB LEFT
2.031		LT									1			LEFT TURN LANE
2.028	2.040	RT	64.0				128.0	<u> </u>				I	1	DOUBLE SOLID YELLOW
OUTER R	UAU 13	LT				Г		1	12.0	1		1	1	STOP BAR SB LEFT
0.008	0.206	Ę.	1045.4				2090.9		12.0			 		DOUBLE SOLID YELLOW CENTER LINE
0.009	0.206	RT	1036.4		1036.4									EDGE LINE
0.016	0.180	LT	866.4		866.4	250.0	6004 0	F 40 0	157.0	200	10.0		1 0	EDGE LINE
			TOTALS USE		3595.8	260.0 6342	6081.9	548.0 548	157.0	26.0	12.0 12	2.0	1.0	
			U2F	. 3036		D342		J 548	157	26	۱۷	2		

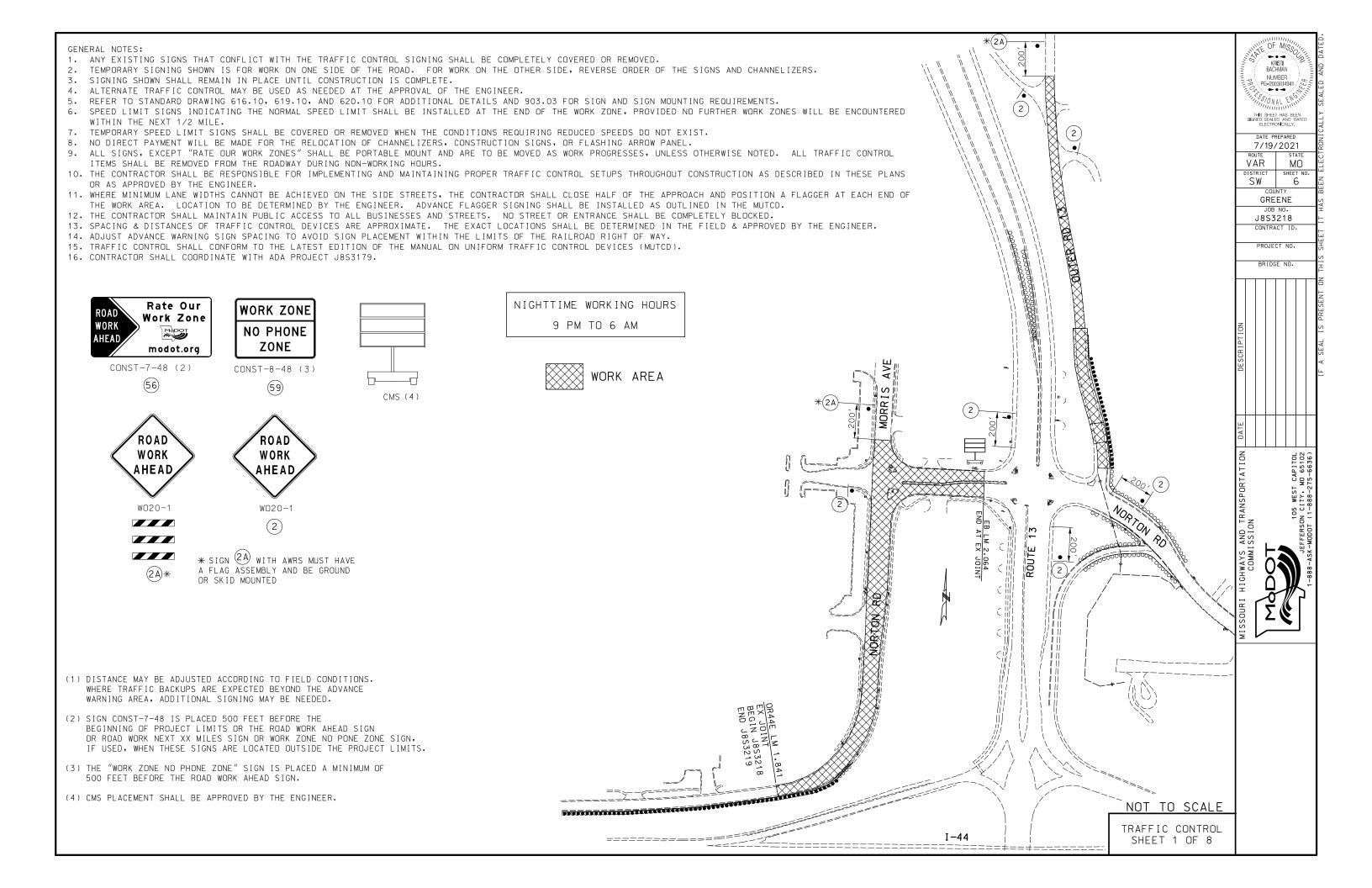
NOTE: QUANTITIES SHOWN ARE APPROXIAMTE. FINAL PAY QUANTITY SHALL BE BASED ON FINAL MEASUREMENT IN ACCORDANCE WITH PAVEMENT MARKING JSP.

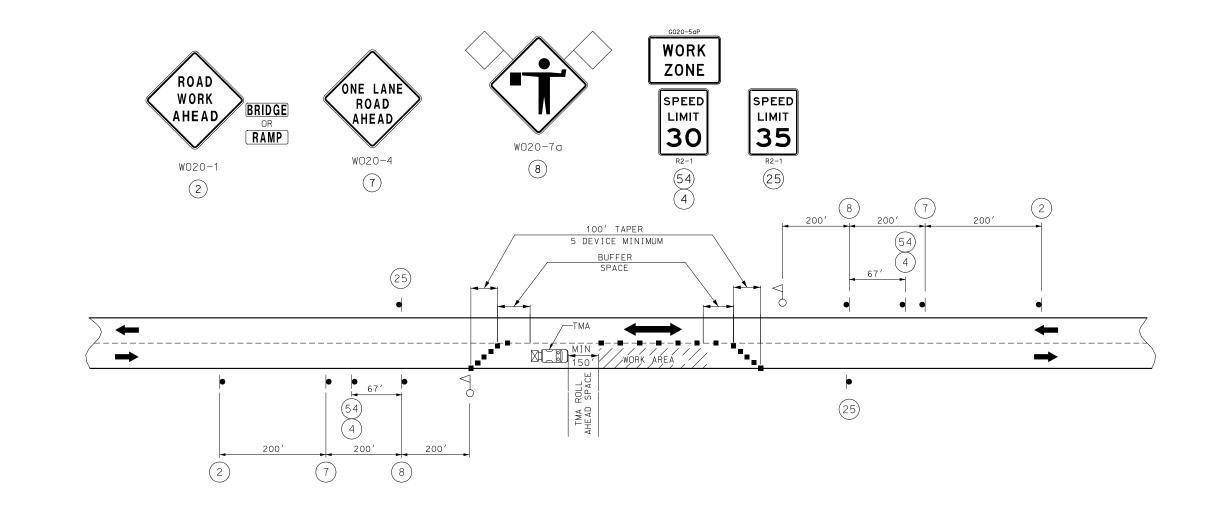
DATE PREPARED 7/20/2021 ROUTE STATE
VAR MO
DISTRICT SHEET NO.
SW 3 GREENE JOB NO.
J8S3218
CONTRACT ID. PROJECT NO.

				,	1	,						EFFECTIVE: 04-01-2021	1111	OF MISON
		DTAL SIGN					QTY	TOTALSIGN					J.J. ATE	
	AREA RELOCRE				1	1	QTY TOTAL RELO						1111	KRISTI =
SIGN IN SQ.FT EACH		Q.FT.		SIGN	IN.	SQ.FT	EACH SQ.FT. EACH	SQ.FT.		ITEM			15	NUMBER 55
	NING SIGNS		DESCRIPTION		1		GUIDE SIGNS		DESCRIPTION	NUMBER	QTY	DESCRIPTION	3,00	~•~ / N/2
WO1-1L 48X48 16.00 WO1-1R 48X48 16.00			TURN (SYMBOL LEFT ARROW) TURN (SYMBOL RIGHT ARROW)	E05-1 E05-2		12.00			GORE EXIT EXIT OPEN	6122008 6122009		IMPACT ATTENUATOR 40 MPH (SAND BARRELS) IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	17,00	SONAL ENGLISH
W01-2L 48X48 16.00			CURVE (SYMBOL LEFT ARROW)	E05-2a		12.00			EXIT CLOSED	6122010		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	THIS SIGNED	S SHEET HAS BEEN D, SEALED AND DATED ELECTRONICALLY
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)	EL	_ECTRONICALLY.
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)		ATE PREPARED
WO1-3R 48X48 16.00			REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-4		4.50			PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	ROUTE	/19/2021 E STATE
WO1-4L 48X48 16.00			REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4a		8.75			PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	VAF	
W01-4R 48X48 16.00 W01-4bL 48X48 16.00			REVERSE CURVE (SYMBOL RIGHT ARROW) DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	G020-4a G020-5aP				5.4	PILOT CAR IN USE WAIT & FOLLOW WORK ZONE (PLAQUE)	6122020 6122030		REPLACEMENT SAND BARREL IMPACT ATTENUATOR (RELOCATION)	DISTRIC	CT SHEET NO.
WO1-4bR 48X48 16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a		3.00	2 12.00	37	END DETOUR	6123000A	1	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	SW	COUNTY
WO1-4cL 48X48 16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L	_	12.00			DETOUR (LEFT ARROW)	6161008		ADVANCED WARNING RAIL SYSTEM		GREENE
WO1-4cR 48X48 16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R		12.00			DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)		JOB NO.
W01-6 60X30 12.50			HORIZONTAL ARROW (SYMBOL)	MO4-9P	_	4.00			STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)		8S3218
W01-6a 72X36 18.00 W01-7 60X30 12.50			HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE) DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10L MO4-10R		6.00			DETOUR (ARROW LEFT) DETOUR (ARROW RIGHT)	6161014 6161025	100	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT) CHANNELIZER (TRIM LINE)		VIIIACI ID.
W01-7a 72X36 18.00			DOUBLE HEAD HORIZ, ARROW (SYMBOL ON PERM, BARR,)	MU4-TUK	140710	1 6.00	REGULATOR	SIGNS	DETOUR (ARROW RIGHT)	6161030		TYPE III MOVEABLE BARRICADE	PR	ROJECT NO.
W01-8 18X24 3.00			CHEVRON (SYMBOL)	R1-1	48X48	13.25		1 1	STOP	6161033		DIRECTION INDICATOR BARRICADE		DIDOE NO
WO1-8a 30X36 7.50			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2		6.93			YIELD	6161040	1	FLASHING ARROW PANEL	1	RIDGE NO.
WO3-1 48X48 16.00			STOP AHEAD (SYMBOL)	R1-2a		9.00			TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER		
W03-2 48X48 16.00			YIELD AHEAD (SYMBOL)	R1-3P		2.50		1	ALL WAY (PLAQUE)	6161051	-	WARNING LIGHT, TYPE A		
W03-3 48X48 16.00	32.00		SIGNAL AHEAD (SYMBOL) BE PREPARED TO STOP	R2-1 R3-1		12.00		4,25	SPEED LIMIT XX 2-30,2-35 NO RIGHT TURN (SYMBOL)	6161052 6161053	-	WARNING LIGHT, TYPE B WARNING LIGHT, TYPE C		
W03-5 48X48 16.00	52.00		SPEED LIMIT AHEAD	R3-2		16.00			NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT		
WO4-1L 48X48 16.00			MERGE (SYMBOL FROM LEFT)	R3-3		9.00			NO TURNS	6161070		TUBULAR MARKER		1 '
WO4-1R 48X48 16.00			MERGE (SYMBOL FROM RIGHT)	R3-4		16.00			NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	FT	1 '
WO4-1aL 48X48 16.00 1	16.00		MERGE (ARROW SYMBOL)	R3-7L		6.25		19				CHANGEABLE MESSAGE SIGN,	S.	
W04-1aR 48X48 16.00 W05-1 48X48 16.00			MERGE (ARROW SYMBOL) ROAD/BRIDGE/RAMP NARROWS	R3-7R R4-1		12.00		20	RIGHT LANE MUST TURN RIGHT DO NOT PASS	6161096	-	COMMISSION FURNISHED/RETAINED CHANGEABLE MESSAGE SIGN W/O COMM.	DES	
W05-3 48X48 16.00			ONE LANE BRIDGE	R4-2		12.00			PASS WITH CARE	6161098A		INTERFACE, CONTRACTOR FURNISHED/RETAINED		
W05-5 48X48 16.00			NARROW LANES	R4-8a		12.00			KEEP LEFT (HORIZONTAL ARROW)			CHANGEABLE MESSAGE SIGN WITH COMM.		
WO6-1 48X48 16.00			DIVIDED HIGHWAY (SYMBOL)	R4-7a			2 24.00	42	KEEP RIGHT (HORIZONTAL ARROW)	6161099	2	INTERFACE, CONTRACTOR FURNISHED/RETAINED		
W06-2 48X48 16.00			DIVIDED HIGHWAY END (SYMBOL)	R5-1		6.25			DO NOT ENTER	6162000		WORK ZONE TRAFFIC SIGNAL SYSTEM		 '
W06-3 48X48 16.00 W07-3a 30X24 5.00			TWO WAY TRAFFIC (SYMBOL)	R5-1a		6.00			WRONG WAY	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS	띧	
W07-3a 30X24 5.00 W08-1 48X48 16.00			NEXT XX MILES (PLAQUE)	R6-1L R6-1R		6.75			ONE WAY ARROW (LEFT) ONE WAY ARROW (RIGHT)	6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS TEMPORARY TRAFFIC BARRIER	DA	
WO8-2 48X48 16.00			DIP	R6-2L		5.00			ONE WAY (LEFT)	6173600D		CONTRACTOR FURNISHED/RETAINED		
WO8-3 48X48 16.00			PAVEMENT ENDS	R6-2R	24X30	5.00			ONE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER	ē	WEST CAPITOL ITY, MO 65102 388-275-6636)
WO8-4 48X48 16.00			SOFT SHOULDER	R9-9	24X12	2.00			SIDEWALK CLOSED	6173602E		CONTRACTOR FURNISHED/COMMISSION RETAINED	T A T	AP 1
W08-5 48X48 16.00			SLIPPERY WHEN WET (SYMBOL)						SIDEWALK CLOSED AHEAD,	61740004		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	1 E	7 C MD 275
W08-6 48X48 16.00 W08-6c 48X48 16.00			TRUCK CROSSING TRUCK ENTRANCE	R9-11L	24X18	3.00			(ARROW LEFT) CROSS HERE SIDEWALK CLOSED AHEAD,	61750104		RELOCATING TEMPORARY TRAFFIC BARRIER TEMPORARY TRAFFIC BARRIER	SP(WES TY•
WO8-7 36X36 9.00			LOOSE GRAVEL	R9-11R	24X18	3.00			(ARROW RIGHT) CROSS HERE	6176000B		COMMISSION FURNISHED/RETAINED	Z Z	105 \ .0N CI ⁻
WO8-7a 36X36 9.00			FRESH OIL/LOOSE GRAVEL	R10-6		6.00			STOP HERE ON RED (45° ARROW)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	NO TR	÷ NOS
WO8-9 48X48 16.00			LOW SHOULDER	R11-2	48X3C	10.00			ROAD CLOSED	6177000B		COMMISSION FURNISHED/RETAINED	Pis	ERSI
W08-11 48X48 16.00 5			UNEVEN LANES			1			ROAD CLOSED XX MILES AHEAD	62080644		TEMPORARY RAISED PAVEMENT MARKER	IS!	F P R P N
W08-12 48X48 16.00 5	80.00		NO CENTER LINE	R11-3a R11-4					LOCAL TRAFFIC ONLY	9029400		TEMPORARY TRAFFIC SIGNALS TEMPORARY TRAFFIC SIGNALS AND LIGHTING	S × S	ASK,
W08-15 48X48 16.00 W08-15P 30X24 5.00			GROOVED PAVEMENT MOTORCYCLE (PLAQUE)	CONST-3A		12.50			ROAD CLOSED TO THRU TRAFFIC FINE SIGN	9029401		TEMPONART TRAFFIC SIGNALS AND LIGHTING	Z A M	
W08-17 48X48 16.00			SHOULDER DROP-OFF (SYMBOL)	CONST-3X					SPEEDING/PASSING (PLATE)				HIGHWAYS COMMI	^ 1 y $\tilde{\underline{r}}$
W08-17P 30X24 5.00			SHOULDER DROP-OFF (PLAQUE)				MISCELLANE	OUS SIGNS					Ξ	7/1/ 2
W10-1 42RND. 9.62			RAILROAD CROSSING	CONST-5					POINT OF PRESENCE					~ / / F
W012-1 24X24 4.00 1	4.00		DOUBLE DOWN ARROW (SYMBOL)	CONST-5					POINT OF PRESENCE	 			SOL	2 (
W012-2 48X48 16.00 W012-2X 24X18 3.00			LOW CLEARANCE (SYMBOL) LOW CLEARANCE (PLAQUE)	CONST-7			1 8.00	56	RATE OUR WORK ZONE RATE OUR WORK ZONE		-		MISSOURI	'
W012-2a 84X24 14.00			OVERHEAD LOW CLEARANCE (FEET AND INCHES)				1 12.00	59	WORK ZONE NO PHONE ZONE	L			×	
W012-4 120X60 50.00			LOW CLEARANCE XX FT XX IN XX MILES AHEAD	L					23.12					ļ
W012-5 120X60 50.00			WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD											
W013-1 30X30 6.25			ADVISORY SPEED (PLAQUE)											ļ
W016-2 30X24 5.00			XXX FEET (PLAQUE)			-								
W016-3 30X24 5.00 W020-1 48X48 16.00 10	160.00		X MILE (PLAQUE) ROAD/BRIDGE/RAMP WORK AHEAD	-		-								ļ
W020-2 48X48 16.00	, , , , , , , , , , , , , , , , , , , ,		DETOUR AHEAD											
W020-3 48X48 16.00			ROAD CLOSED AHEAD											
WO20-4 48X48 16.00 2			ONE LANE ROAD AHEAD	616-10			TOTAL			-			1	
W020-5 48X48 16.00 1	16.00		RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTR		ON SI	GNS 651							
W020-5a 48X48 16.00	72.00		2 RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10		TONIC		TOTAL						ļ
W020-6a 48X48 16.00 2 W020-7a 48X48 16.00 4			RIGHT/CENTER/LEFT LANE CLOSED FLAGGER (SYMBOL) WITH FLAGS	RELOCA	IED S	516NS		0						
W020-7d 48X48 16.00 4 W021-2 36X36 9.00	04.00	8	FRESH OIL											ļ
W021-5 48X48 16.00			SHOULDER WORK AHEAD											
W022-1 48X48 16.00			BLASTING ZONE AHEAD											
W022-2 42X36 10.50			TURN OFF 2-WAY RADIO AND PHONE									SUMMARY OF QUANTITIES		
W022-3 42X36 10.50			END BLASTING ZONE								•			
G022-1 21X15 2.19			WET PAINT (ARROW PIVOTS)									SHEET 4 OF 4		









NOTES:

IF A FLASHING ARROW PANEL IS USED ON TMA, THE CAUTION MODE SHALL BE USED.

VEHICLE HARARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE ROTATING LIGHTS OR STROBE LIGHTS.

AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.

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 SIGN W020-7a ARE SUBSIDIARY TO THE SIGN.

- CHANNELIZERS

- FLAGGER

TRUCK MOUNTED ATTENUATOR (TMA)

SPEED	SIGN SPA	CING (FT)	CHANNEL I ZER	SPACING (FT)	BUFFER SPACE	TAPER LE	NGTH, FT
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	TAPERS	BUFFER/ WORK AREAS	LENGTH (FT)	SHOULDER	LANE
0-35	200	200	35	40	280	70	245
40-45	350	500	40	80	400	150	540
50-55	500	1000	50	80	560	185	660
60-70	1000	SA-1000 SB-1500 SC-2640	60	120	840	235	840

NOTES:

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.

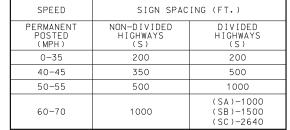
LANE CLOSURE USING FLAGGERS
(UNDIVIDED HIGHWAY)

NOT TO SCALE

TRAFFIC CONTROL SHEET 2 OF 8

KRISTI BACHMAN PE-2003014941 INSSIONAL EN 7/19/2021 VAR MΩ DISTRICT SHEET NO SW GREENE J8S3218 CONTRACT ID. PROJECT NO. BRIDGE NO.

SIDE ROADS ENTERING WORK ZONES



ADJUSTED ACCORDING TO FIELD CONDITIONS.

SHALL BE ERECTED AT EACH INTERSECTION STATE HIGHWAY WITHIN THE WORK ZONE.

RNING SIGNS SHALL BE ERECTED AT OTHER WITHIN THE WORK ZONE, AS DIRECTED BY

ZERS

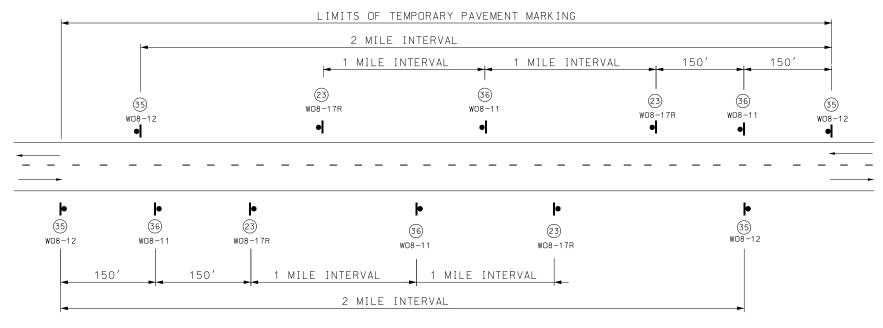
PRIVATE OR COMMERCIAL ENTRANCE	100' TAPER WITH 5 CHANNELIZER MINIMUM	30' (S) OR (SA) (S) OR (SB) (S) OR (SC) CITY STREET OR COUNTY ROAD	PERMANENT POSTED (MPH) 0-35 40-45 50-55 60-70 DISTANCE MAY BE A NOTES: WARNING SIGNS SHAWITH ANOTHER STATE ADDITIONAL WARNII INTERSECTIONS WITHE ENGINEER. — CHANNELIZED — FLAGGER
CENTERLINE	STATE ROUTE (S) OR (SC) (S) OR (SB) (SA) 30' (S) OR (CS) (CS) OR (CS) (CS) (CS) (CS) (CS)	ROAD WORK AHEAD WO20-1 2 11	PAST ENTERANCE



NOT TO SCALE

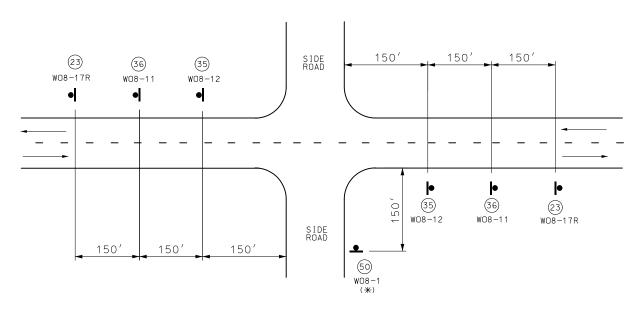
TRAFFIC CONTROL SHEET 3 OF 8

OF MISS KRISTI BACHMAN NUMBER PE-2003014941 7/19/2021 STATE MO VAR DISTRICT SHEET NO. SW 8 GREENE JOB NO.
J8S3218
CONTRACT ID. PROJECT NO. BRIDGE NO.



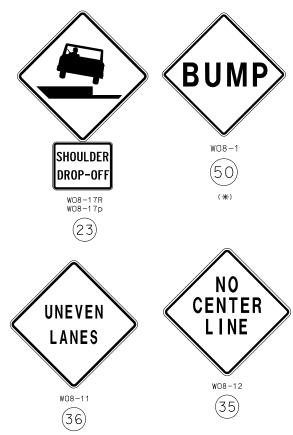
SIGN SPACING FOR MAINLINE

(DETAIL SHOWN IS BASED ON A PROJECT MEETING ALL CONDITIONS: NO CENTER STRIPE, UNEVEN LANES, SHOULDER DROP-OFF AND BUMP.)
WHEN BOTH UNEVEN LANES AND SHOULDER DROP-OFF SIGNS ARE USED, BOTH SIGHS SHALL STAY IN PLACE UNTIL BOTH CONDITIONS NO LONGER EXIST.
IF ONLY ONE CONDITION EXISTS (UNEVEN LANES OR SHOULDER DROP-OFF). THE SIGN SPACING SHALL BE AT 1 MILE INTERVALS.



SIGN SPACING AT SIDE ROAD INTERSECTIONS

(*) BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLAN 619.10.



GENERAL NOTES:

FOR DETAILS OF TEMPORARY PAVEMENT MARKING, SEE SHEET 1 OF 5.

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.

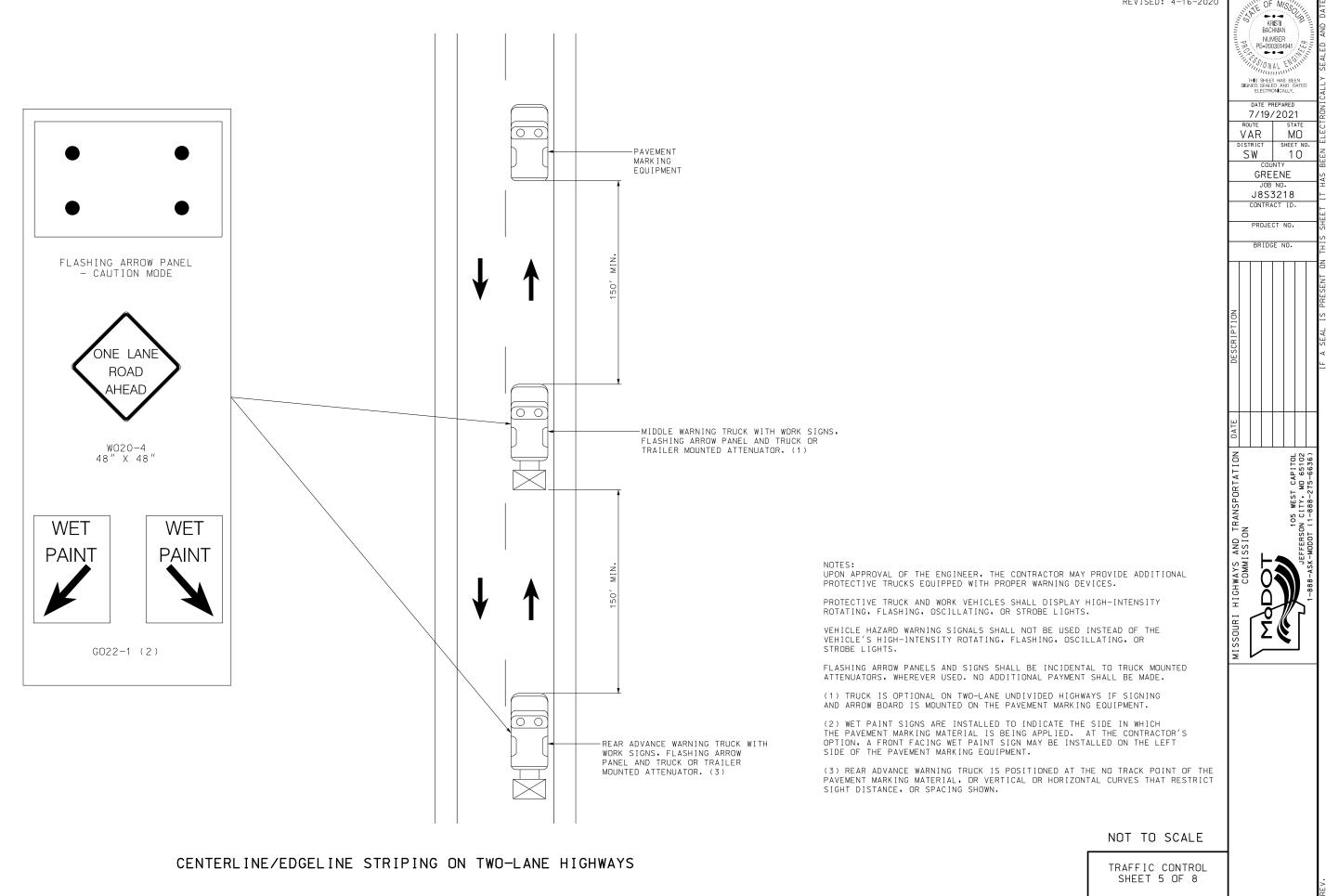
WHEN SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.

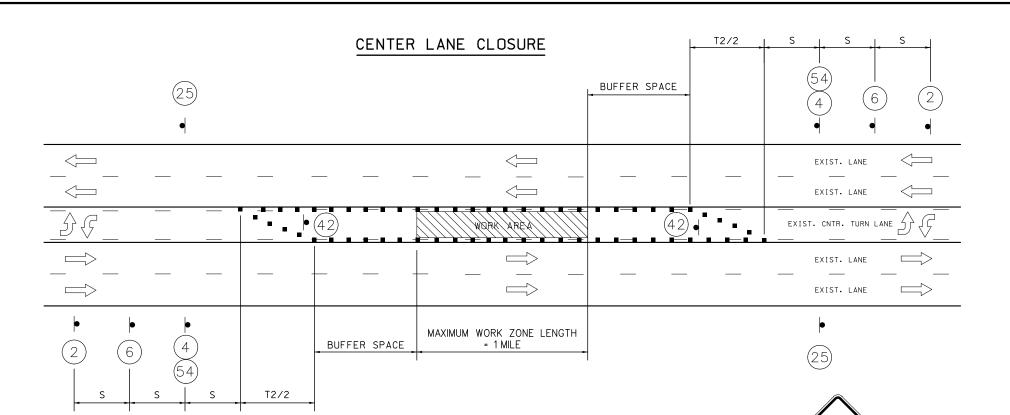
FOR BRIDGE EXCEPTIONS AND COLDMILLED AREAS, LOCATION OF SIGN 50 TO BE APPROVED BY THE ENGINEER. UNLESS REQUIRED BY STANDARD PLAN 619.10, SIGN 50 AT CONTRACTOR'S EXPENSE, NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.

NOT TO SCALE

TRAFFIC CONTROL SHEET 4 OF 8

KRISTI BACHMAN NUMBER PE-2003014941 ILSONAL EN 7/19/2021 VAR MΩ SHEET NO DISTRICT 9 SW GREENE J8S3218 CONTRACT ID. PROJECT NO. BRIDGE NO.





NOTES

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS: QUANTITY OF TRIMLINE CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAX. CHANNELIZER SPACING IN THE CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES. NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS, OR FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING ARE ONE-HALF OF THE SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "RATE OUR WORK ZONE" AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. (SEE JSP'S)

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY ENGINEER.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.

ADVANCE	WARNING SIGN MIN	NIMUM SPACING
SPEED LIMIT,	SIGN SPACI	NG, FT (S)
MPH MPH	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY
0-35	200 ³	200 ³
40-45	350	500
50-55	500	1000
		SA-1000
60-70	1000	SB-1500
		SC-2640

WORK ZONE G020-5 aP (54)



SPEED

LIMIT

R2 - 1

(4)

BRIDGE

RAMP

SPEED LIMIT 35

(NORMAL SPEED) R2-1

CENTER LANE

CLOSED

W020-6a

(6)

RIGHT

OR (LEFT)

1POSTED SPEED LIMIT.

²SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.

WORK

AHEAD

WO20-1

(2)

³FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IS 100 FT.

L E	<u>G E N D</u>
•	SIGN (SINGLE SIDED)
•	SIGN (DOUBLE SIDED)
7	FLAGGER
	CHANNELIZER (TRIM-LINE)

···.: FLASHING ARROW PANEL

OPTIONAL - ATTENUATOR TRUCK
WITH FLASHING ARROW
PANEL IN CAUTION MODE
W/ 150 ROLL AHEAD SPACE

▲ DIRECTIONAL BARRICADE

TYPE 3	MOVEABLE	BARRICAD
--------	----------	----------

	TAPE	ER LENGTH	H AND SPA	CING	
SPEED LIMIT,	TAPER L F	ENGTH <mark>,</mark> T	CHANNELIZIN F	IG SPACING, T	BUFFER
MPH	SHOULDER⁴ (T1)	LANE ⁵ (T2)	TAPERS	BUFFER/ WORK AREA	LENGTH, FT
0-35	70	245	35 ⁶	40 ⁶	280
40-45	150	540	40 ⁶	80 ⁶	400
50-55	185	660	50 ⁷	80 ⁷	560
60-70	235	840	60 ⁷	120 ⁷	840

¹POSTED SPEED LIMIT.

²TAPER LENGTHS MAY BE ADJUSTED.

³SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.

⁴BASED ON 10 FT SHOULDER WIDTH.

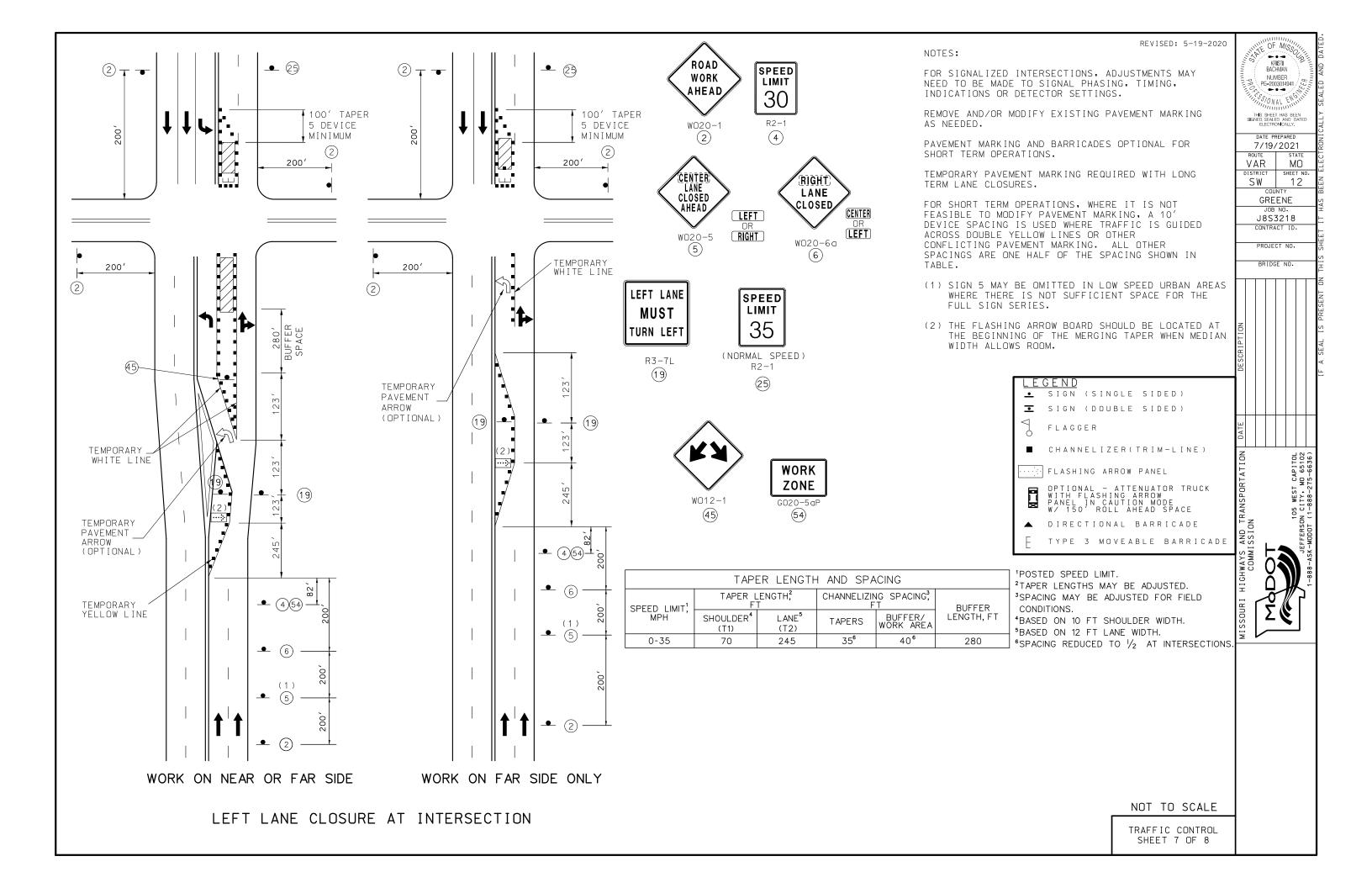
⁵BASED ON 12 FT LANE WIDTH.

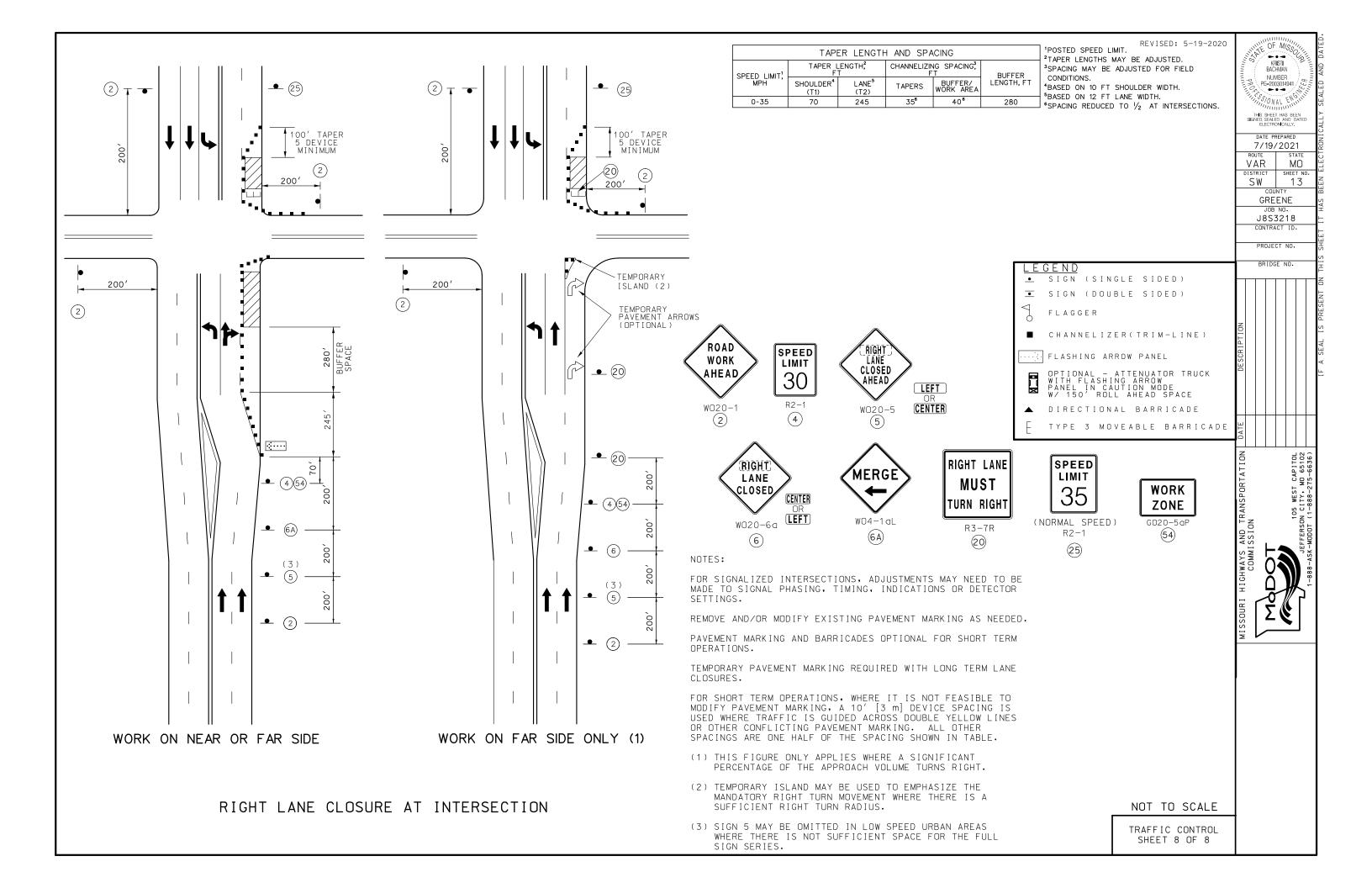
 6 spacing reduced to $1/_2$ at intersections. 7 spacing may be reduced to $1/_2$ at intersections.

NOT TO SCALE

TRAFFIC CONTROL SHEET 6 OF 8

O O O O O O O O O O O O O O O O O O O	
7/19/2021 ROUTE STATE VAR MO DISTRICT SHEET NO. SW 11 COUNTY	WITH HILL
ROUTE STATE VAR MO DISTRICT SHEET NO. SW 11 COUNTY	
SW 11	
COUNTY	
JOB NO. J8S3218	
CONTRACT ID.	_
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
ATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL THERE AND TRANSPORTATION 105 WEST CAPITOL THERE AND THE AND T	-





DESIGN DESIGNATION

A.A.D.T. - 2020 = 1124V = 35/55 M.P.H.

NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS

	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER	0000	••••
UTILITIES FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- F0	-F0- -0TV- -UTV- -0T- -UT- -UE- -S- -SS- -G- -W
MANHOLE	HYD	€
FIRE HYDRANT	wv -	3
WATER VALVE	WM C	
WATER METER DROP INLET	•:=)
DITCH BLOCK		<u>-</u>
GROUND MOUNTED SIGN	SIGN	-
LIGHT POLE		7
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	—— X	
BENCHMARK	ВМ	

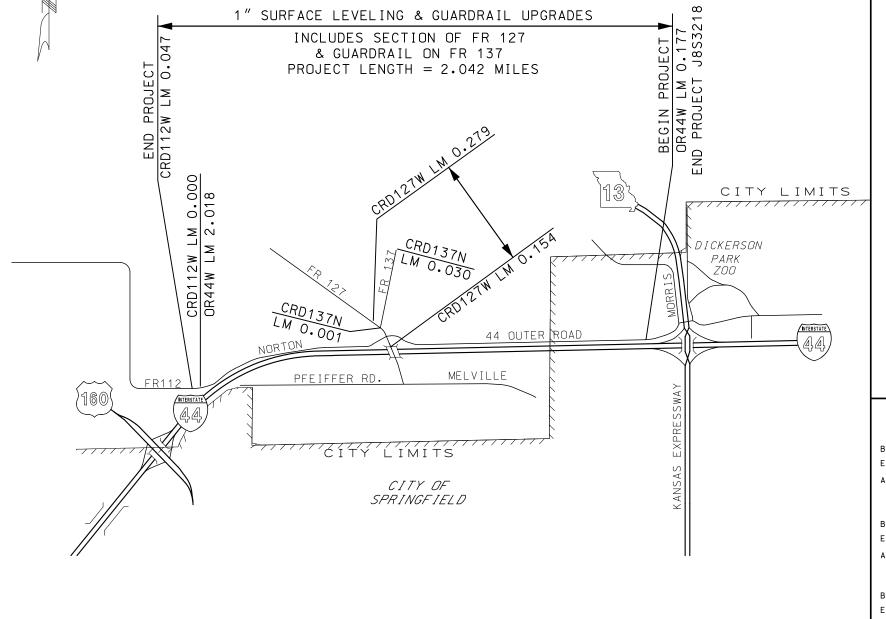
NOT TO SCALE

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED

STATE HIGHWAY

GREENE 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 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) (4 SHEETS)	2
	QUANTITIES (QU) (3 SHEETS)	3
	SPECIAL SHEETS (SS)	4-5
	TRAFFIC CONTROL SHEETS (TC)	6-10
- 1		

BAC PE-20 PE-20 THIS SHELL SIGNED, SEAL	MISSO RISTI HMAN MBER 03014941 WAL END WAL END WAL END WAL END WAL END WAL END WAL END WAL END WAL END WAL WAL WAL WAL WAL WAL WAL WAL
	REPARED /2021
ROUTE	STATE
0R44	MO
DISTRICT	SHEET NO.
SW	1
CO	JNTY
	ENE
	NO.
	3219
CONTR	ACT ID.
PROJE	CT NO.
BRID	GE NO.

LENGTH OF PROJECT OR44W

BEGINNING OF PROJECT LM 0.177 END OF OR44W LM 2.018 9720.48 FEET APPARENT LENGTH

CRD112W BEGINNING OF CRD112W

LM 0.000 END OF PROJECT LM 0.047 APPARENT LENGTH 248.16 FEET

CRD127W

BEGINNING OF PROJECT LM 0.154 END OF PROJECT LM 0.279 APPARENT LENGTH 660.00 FEET CRD137N

BEGINNING OF PROJECT LM 0.001 END OF PROJECT LM 0.030 APPARENT LENGTH 153.12 FEET

NET LENGTH OF PROJECT STATE LENGTH FOR INFORMATION ONLY

ESTIMATED DISTURBED ACRES

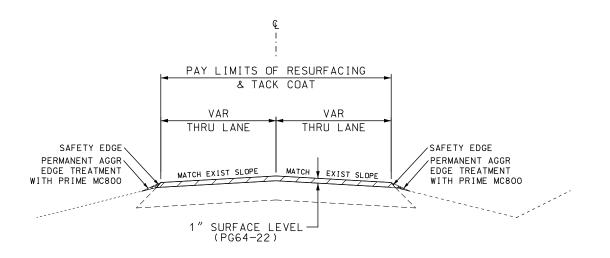
10781.76 FEET 2.042 MILES

O ACRES

NOTE: NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO ENTIRE PROJECT LIMITS.

SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION



ASPHALT FACTORS

COMBINED FACTOR % AC

SURFACE LEVEL 1.990 TONS/CY 5.4

TACK COAT

OVERLAY
MILLING 0.10 GAL/SY

PRIME MC800

PERMANENT AGGREGATE
EDGE TREATMENT

IRREGULARITIES: 75 TONS/MI

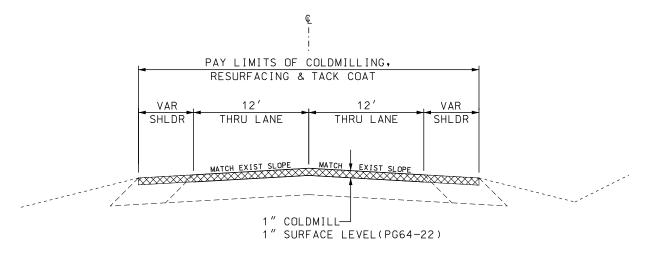
ROUTE 44 OUTER ROAD (NORTON ROAD)

WB LOG MILE 0.177 TO WB LOG MILE 1.248 (OR44W) EX JOINT EAST END TO FR 127 WB LOG MILE 1.271 TO WB LOG MILE 2.018 (OR44W) FR 127 TO FR112 LOG MILES WEST END

FARM ROAD 112

LOG MILE 0.000 TO LOG MILE 0.047 END OF OR44W LOG MILES TO TO EX JOINT WEST END

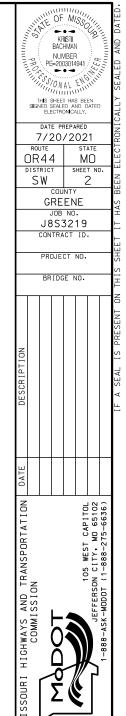
FARM ROAD 127
LOG MILE 0.190 TO LOG MILE 0.279

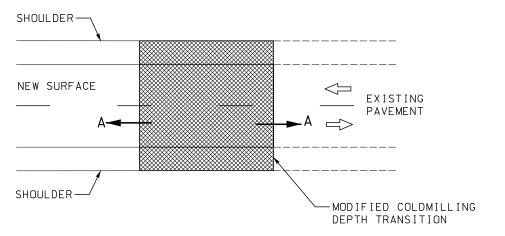


OUTER ROAD 44/FARM ROAD 127

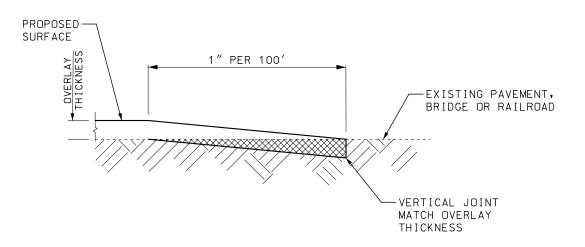
LOG MILE 1.248 TO LOG MILE 1.271 OR44 LOG MILE 0.154 TO LOG MILE 0.190 FR127

SURFACE PLACEMENT - ONE PASS PER LANE NO S.E. CORRECTION





MAINLINE, BRIDGE AND RAILROAD PLAN

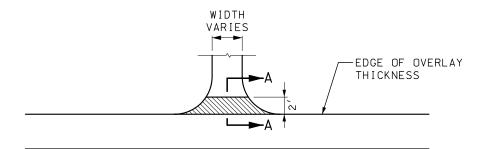


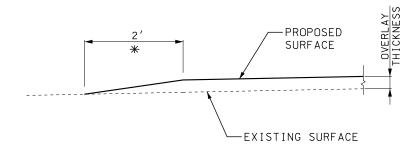
SECTION A-A

TRANSVERSE JOINT TRANSITION FOR SINGLE LIFT PROJECT BEGINNING, END, BRIDGE, OR RAILROAD

NOTE: MILL EXISTING CONCRETE 1" MAXIMUM.

SSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION				_	(WWWWIII.
COMMISSION						_	ROL	_	TILS PROMINITION SE
				CON		W	JTE 4	DAT	
MODOT				TRA	JOB	cou	4	E PI	KF BAC NUM -200
			E M		EN NO 32	NTY		REPA	1111
105 WEST CAPITON				ID		, 2	ST		V 1941 ENC
JEFFERSON CITY, MO 65102						`	ATE O		EN IN VERN IN
1-888-ASK-MODOT (1-888-275-6636)						_			THUMANAMAN STATES



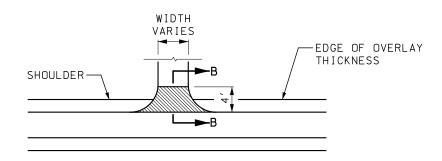


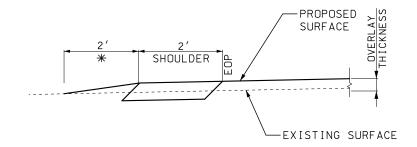
SECTION A-A

TYPICAL ENTRANCE - NO SHOULDER (FIELD, PRIVATE OR COUNTY ROAD) **TAPER AT 1:1 FOR FIELD ENTRANCE

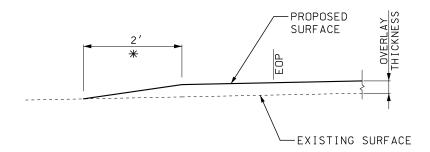
NOTE: 4 TONS GRAVEL A OR CRUSHED STONE B CALCULATED PER ENTRANCE.

6 TONS CALCULATED PER COUNTY ROAD.





AGGREGATE & EARTH ENTRANCES



ASPHALT & CONCRETE ENTRANCES

SECTION B-B

TYPICAL ENTRANCE - EXIST/NEW SHOULDER (FIELD, PRIVATE OR COUNTY ROAD)
**TAPER AT 1:1 FOR FIELD ENTRANCE

NOTES: DO NOT BUILD 2' MODIFIED A3 SHOULDERS ACROSS CONCRETE OR ASPHALT ENTRANCES, STREETS OR ROADS.

4 TONS GRAVEL A OR CRUSHED STONE B CALCULATED PER ENTRANCE.

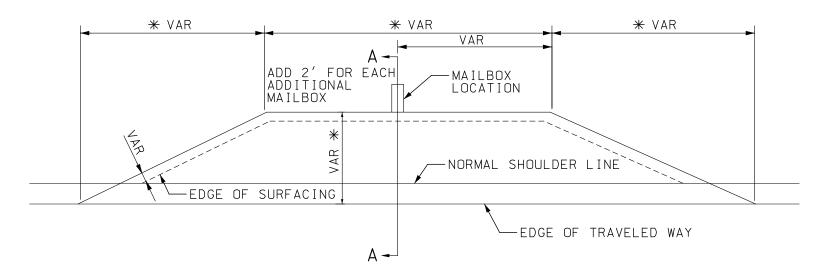
6 TONS CALCULATED PER COUNTY ROAD.

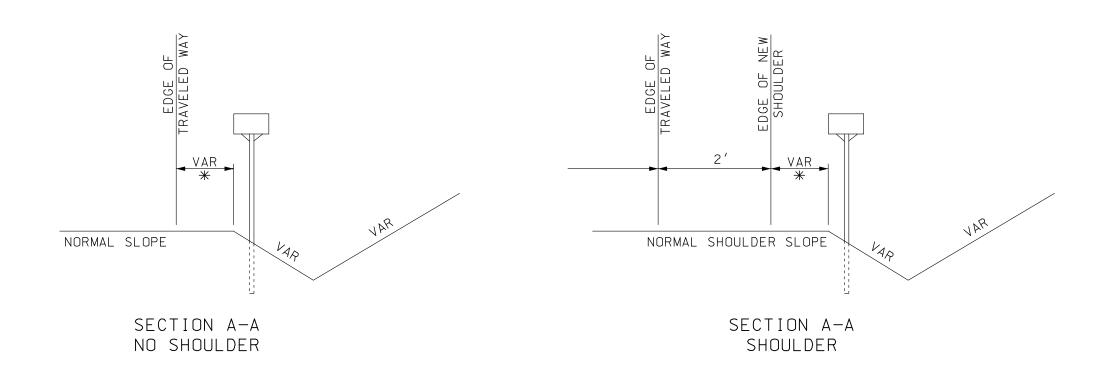
OR44 MO DISTRICT SHEET NO. SW 2 COUNTY GREENE JOB NO. J8S3219 CONTRACT ID. PROJECT NO. BRIDGE NO.

NOTE: MAILBOX TURNOUT QUANTITIES BASED ON 2' WIDTH AND 15' LENGTH. ADD 2' IN LENGTH PER ADDITIONAL MAILBOX AT SAME LOCATION, AS APPROVED BY THE ENGINEER.

TYPICAL MAILBOX TURNOUT

* AS APPROVED BY THE ENGINEER







7/20/2021

ROUTE STATE OR 44 MO
DISTRICT SHEET NO 2 GREENE

JOB NO.
J8S3219
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TYPICAL SECTIONS SHEET 4 OF 4

	REMOVAL OF IMPROVEMENTS												
ROUTE	LOG MILE	LOG MILE	LOCATION	DESCRIPTION	UNITS	TOTAL	REMARKS						
440R	0.138	0.413	LT	GUARDRAIL	LF	1450	ENTIRE GUARDRAIL RUN						
440R	1.907	1.916	LT	GUARDRAIL	LF	50	FROM CWT WEST						
FR112	0.008	0.017	LT	GUARDRAIL	LF	50	FROM CWT EAST						
FR127	0.179	0.262	LT	GUARDRAIL	LF	438	ENTIRE GUARDRAIL RUN						
FR127	0.190	0.247	RT	GUARDRAIL	LF	300	FROM CWT TO RADIUS FR137						
FR137	0.001	0.030	RT	GUARDRAIL	LF	175	RADIUS FR127 TO END OF RUN						
FR127	0.251		LT	OBJECT MARKERS	EA	3	ACROSS FROM FR137						
	TOTAL 1 LUMP SUM												

	MODIFIED COLDMILLING (DEPTH TRANSITIONS)														
			NET	AVG											
	LOG	LOG	LENGTH	WIDTH	AREA										
ROUTE	MILE	MILE	LF	LF	SF	SY	REMARKS								
440R	0.177	0.196	100.0	28.9	2890.0	321.1	EX JOINT AT THE BEGINNING OF PROJECT								
440R	1.229	1.248	100.0	33.3	3325.0	369.4	OR44/FR127 INTERSECTION								
440R	1.271	1.290	100.0	31.6	3160.0	351.1	OR44/FR127 INTERSECTION								
FR112	0.028	0.047	100.0	23.4	2335.0	259.4	EX JOINT AT THE END OF PROJECT								
FR127	0.190	0.209	100.0	23.6	2355.0	261.7	FR127/OR44 INTERSECTION								
FR127	0.260	0.279	100.0	20.1	2010.0	223.3	END AT EX JOINT ON FR127								
	TOTAL 1786.0														
	USE 1786														

	COLDMILLING												
	NET 1"												
	LOG	LOG	LENGTH	WIDTH	COLDMILL								
ROUTE	MILE	MILE	LF	LF	SF	SY	REMARKS						
440R	1.248	1.271	121.4	VAR	11250.0	1250.0	OR44/FR127 INTERSECTION						
FR127	0.154	0.190	190.1	VAR	11250.0	*	FR127 LIMITS						
	USE 1250 * INCLUDED IN OR44 QUANTITY												

						BITUMINOUS PA	AVEMENT			
			NET	AVERAGE	APPROACH	1" SURFACE LEVEL	TACK	TACK		
	LOG	LOG	LENGTH	WIDTH	AREA	1.990 TONS/CY	0.08 GAL/SY	0.1 GAL/SY	REMARKS	
ROUTE	MILE	MILE	LF	LF	SF	TONS *	GAL	GAL		
440R	0.177	0.196	100.0	28.9	2890.0	18.1		32.1	East joint to FR127	
440R	0.196	1.229	5465.0	28.8	157202.0	984.8	1397.4		East joint to FR127	
440R	1.229	1.248	100.0	33.3	3325.0	20.8		36.9	East joint to FR127	
440R	1.248	1.271	121.4	VAR.	11250.0	69.1		125.0	OR44/FR127 INTERSECTION	
440R	1.271	1.290	100.0	31.6	3160.0	19.8		35.1	FR127 to West joint	
440R	1.290	2.018	3820.6	28.7	109764.2	687.7	975.7		FR127 to West joint	
FR112	0.000	0.028	148.0	28.6	4233.6	26.5		47.0	FR127 to West joint	
FR112	0.028	0.047	100.0	23.4	2335.0	14.6		25.9	FR127 to West joint	
FR127	0.190	0.209	100.0	23.6	2355.0	14.8		26.2	FR127-MELVILLE ROAD	
FR127	0.209	0.260	270.0	23.0	6206.1	38.9	55.2		FR127-MELVILLE ROAD	
FR127	0.260	0.279	100.0	20.1	2010.0	12.6		22.3	FR127-MELVILLE ROAD	
REGULAR	ITIES AND	ENTRAN	CES							
440R	0.177	2.018	9720.5			6.5	18.8		ENTRANCES	
440R	0.177	2.018	9720.5			2.1	3.0		MAILBOX TURNOUTS	
440R	0.177	2.018	9720.5			138.1			IRREGULARITIES @ 75 TONS/ MILE	
FR112	0.000	0.047	248.0			3.5			IRREGULARITIES @ 75 TONS/ MILE	
FR127	0.154	0.279	660.0		·	9.4			IRREGULARITIES @ 75 TONS/ MILE	
FR127	0.154	0.279	660.0		·	0.6	1.9		ENTRANCES	
			<u> </u>		TOTALS	2067.9	2452.0	350.5	* SAFETY EDGE INCLUDED IN QUANTITY	
					USE	2067.9	2802			

GRAVEL (A) OR CRUSHED STONE (B)
30 TONS

CONTRACTOR FURNISHED SURVEYING & STAKING

1 LUMP SUM

MOBILIZATION
1 LUMP SUM

DATE PREPARED
7/22/2021
ROUTE STATE
OR44 MO
DISTRICT SHEET NO.
SW 3 GREENE
JOB NO.
J8S3219
CONTRACT ID. PROJECT NO.

					G	UARDRA I	L		
			NET	MGS RAIL	MGS RAIL	MASH	MGS	SHAPING	
			LENGTH	6ft POSTS	8ft POSTS	CWT	END ANCHOR	SLOPES CLIII	
LOG	LOG	LOC	LF	LF	LF	EACH	EACH	100 FT	REMARKS
OUTER RO	DAD 44								
0.138	0.413	LT	1450.0		1350.0	2		15.1	REPLACE EXISTING
1.907	1.916	LT	50.0			1		0.8	REPLACE CWT
FARM ROA	AD 112								
0.008	0.036	LT	150.0		100.0	1		1.8	EXTEND WEST & REPLACE CWT
FARM ROA	AD 127								
0.154	0.164	LT	53						USE IN PLACE
0.154	0.159	RT	26.4						USE IN PLACE
0.177	0.274	LT	513	462.5		1	1	5.4	28'Radius Southend-REPLACE EXISTING
0.190	0.247	RT	300		250.0	1		3.3	REPLACE EXISTING
FARM ROA	AD 137								
0.001	0.030	RT	163		112.5	1		1.9	40'Radius
	•		TOTALS	462.5	1812.5	7	1	28.3	
			USE	463	1813	7	1	29	

			PAVE	MENT MARK	KING PAIN	IT, TYPE P E	BEADS
					4" SOLID	4" SOLID	
	LOG	LOG		LENGTH	WHITE	YELLOW	
ROUTE	MILE	MILE	LOCATION	LF	LF	LF	REMARKS
440R	0.177	1.248	LT	5654.9	5654.9		EDGE LINE
440R	0.177	1.253	RT	5681.3	5681.3		EDGE LINE
440R	0.177	1.256	Ę.	5697.1		11394.2	DOUBLE SOLID YELLOW CENTER LINE
440R	1.271	2.018	LT/RT	3944.2	7888.3		EDGE LINES
440R	1.268	2.018	Ę	3960.0		7920.0	DOUBLE SOLID YELLOW CENTER LINE
FR112	0.000	0.047	LT/RT	248.0	496.0		EDGE LINES
FR112	0.000	0.047	Ę.	248.0		496.0	DOUBLE SOLID YELLOW CENTER LINE
FR127	0.154	0.159	RT	28.0	28.0		EDGE LINE
FR127	0.154	0.164	LT	54.0	54.0		EDGE LINE
FR127	0.154	0.164	Ę.	54.0		108.0	DOUBLE SOLID YELLOW CENTER LINE
FR127	0.190	0.279	RT	471.0	471.0		EDGE LINE
FR127	0.183	0.279	LT	508.0	508.0		EDGE LINE
FR127	0.183	0.279	Ę.	508.0		1016.1	DOUBLE SOLID YELLOW CENTER LINE
				TOTALS	20781.5	20934.3	
			•	USE	20782	20935	

NOTE: QUANTITIES SHOWN ARE APPROXIAMTE, FINAL PAY QUANTITY SHALL BE BASED ON FINAL MEASUREMENT IN ACCORDANCE WITH PAYEMENT MARKING JSP.

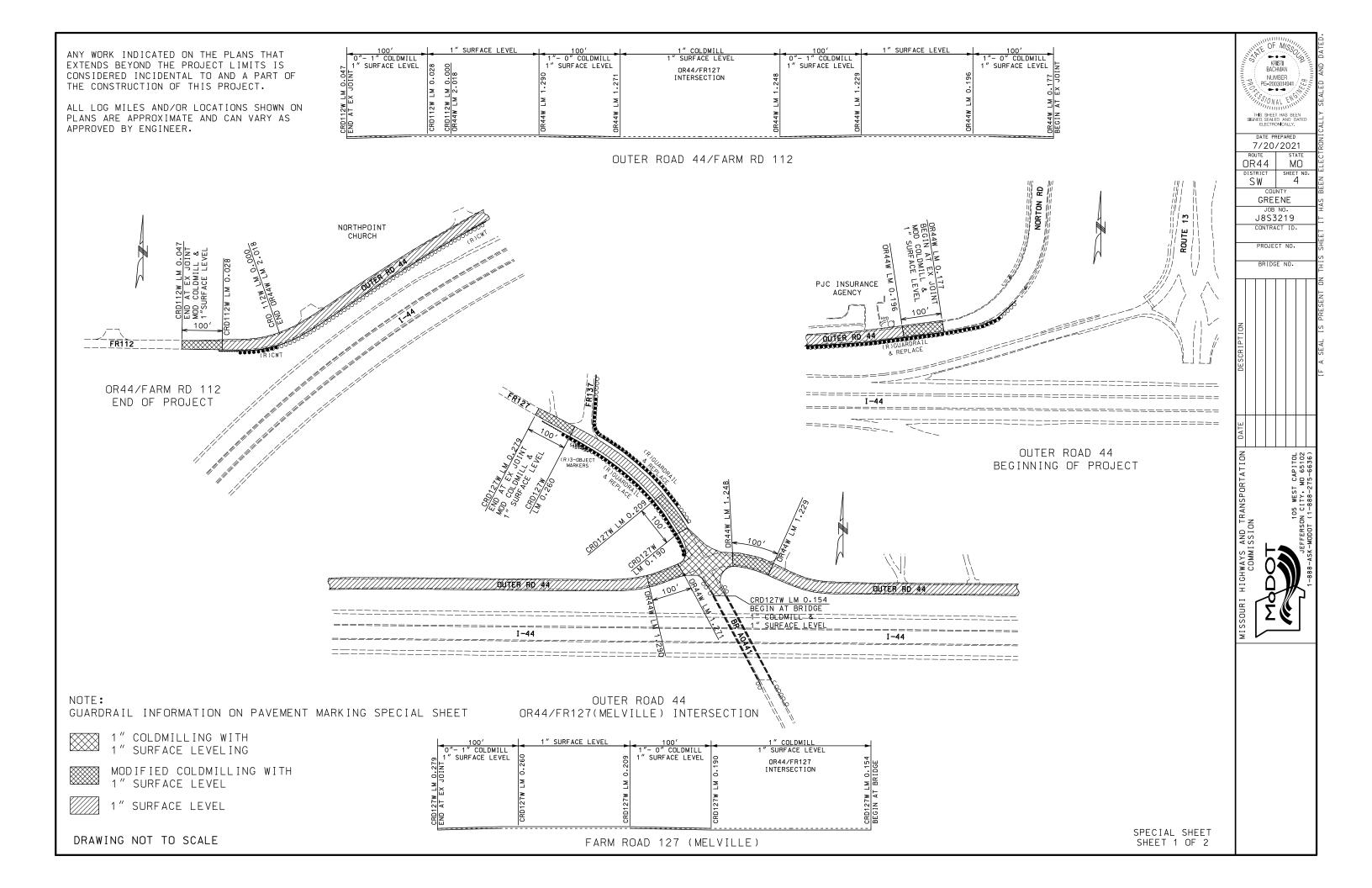
	SIGN SUMMARY														
MBER					SIZE, TYPE	E & SQUARE FEET		PERFORATED STEEL TUB				<u>T </u>		CONC	
IGN NUMBEI	LOG MILE	LOCATION	STANDARD SIGN NUMBER	NO. EACH	SIZE	FLAT SHEET SH ITEM NO. 9035004A	POST NO.1	POST NO.2	POST NO.3	NO.4	2 IN TOTAL ANCHOR 12 GA. ITEM NO. ITEM NO. 9031270A 903127		BREAKAWAY ASSEMBLY ITEM NO. 9031241	FOOTINGS EMBD ITEM NO. 9031010	
S					INCHES	SQUARE FEET	LF	LF	LF	LF	LF	LF	EACH	CU YDS	
1	0.251	FR127W	OM4-3 TYPE 4 OBJECT MARKER	4	18 X 18	9	16	16	16	16	64	12	4	0.36	
			TOTAL	9	\bowtie	\bowtie	XX	XXX	64	12	4	0.36			
			9					64	12	4	0.4				

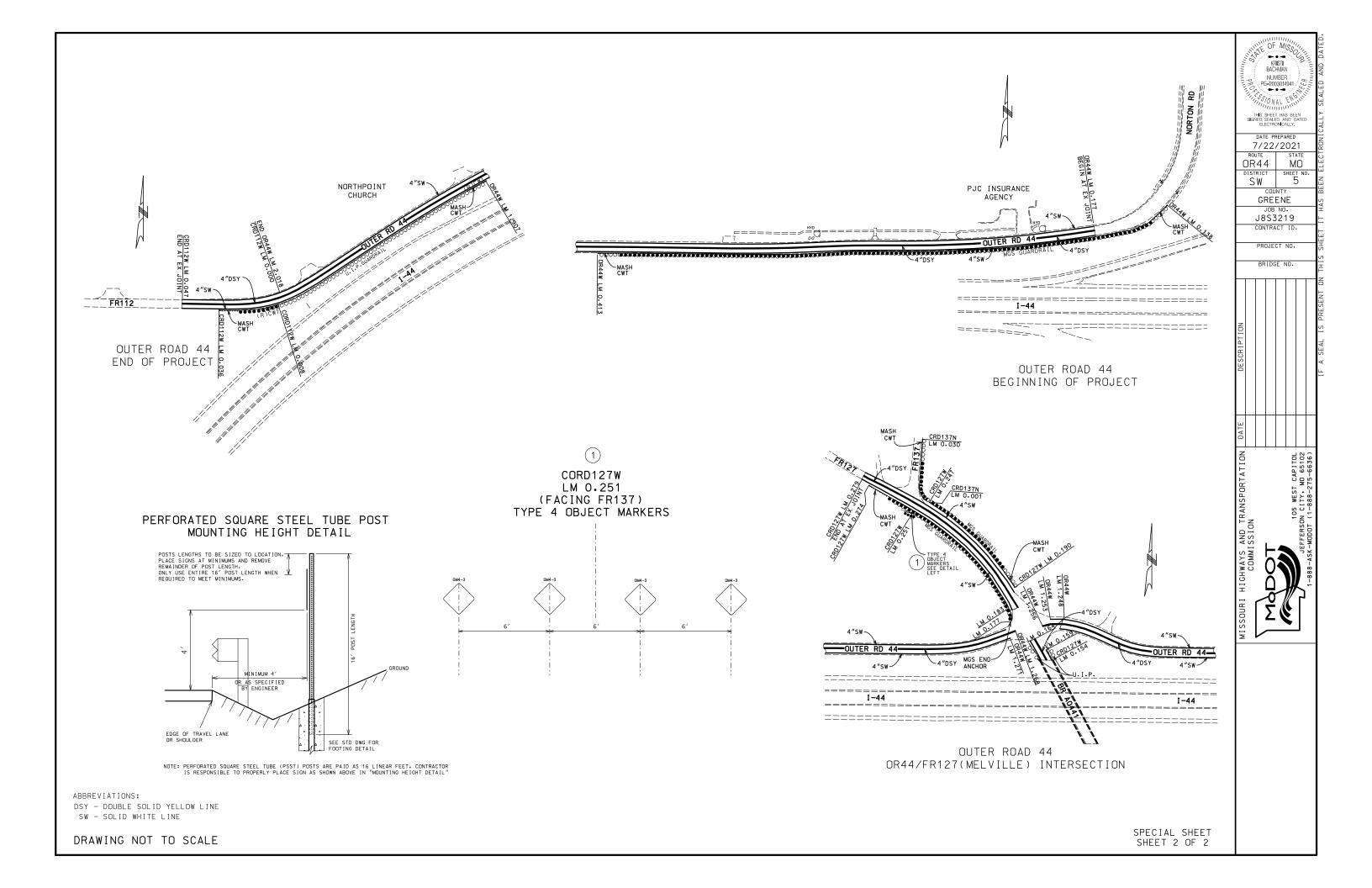
REFER TO STANDARD DWG 903.03

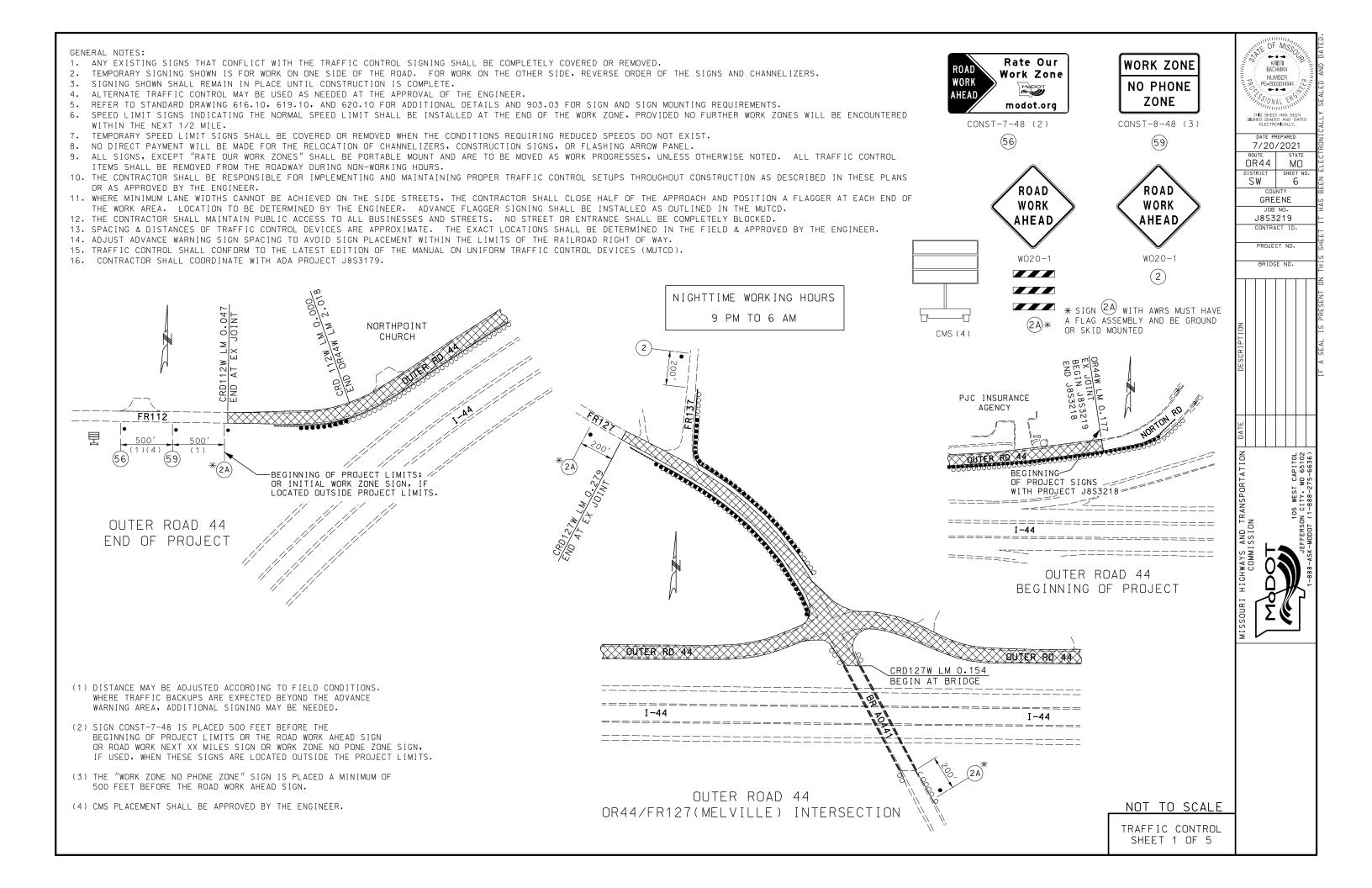
	PERMANENT AGGREGATE EDGE TREATMENT												
			LENGTH	200 TON/MILE	590 GAL/MILE								
ROUTE	LOG MILE	LOG MILE	MILES	TON	GAL	REMARKS							
440R	0.177	1.248	1.1	214.2	632	East joint to FR127							
440R	1.271	2.018	0.8	157.9	466	FR127 to West joint							
FR112	0.000	0.047	0.1	20.0	59	FR127 to West joint							
FR127	0.190	0.279	0.1	17.8	53	FR127-MELVILLE ROAD							
			TOTALS	409.9	1210.0								
			USE	410	1210								

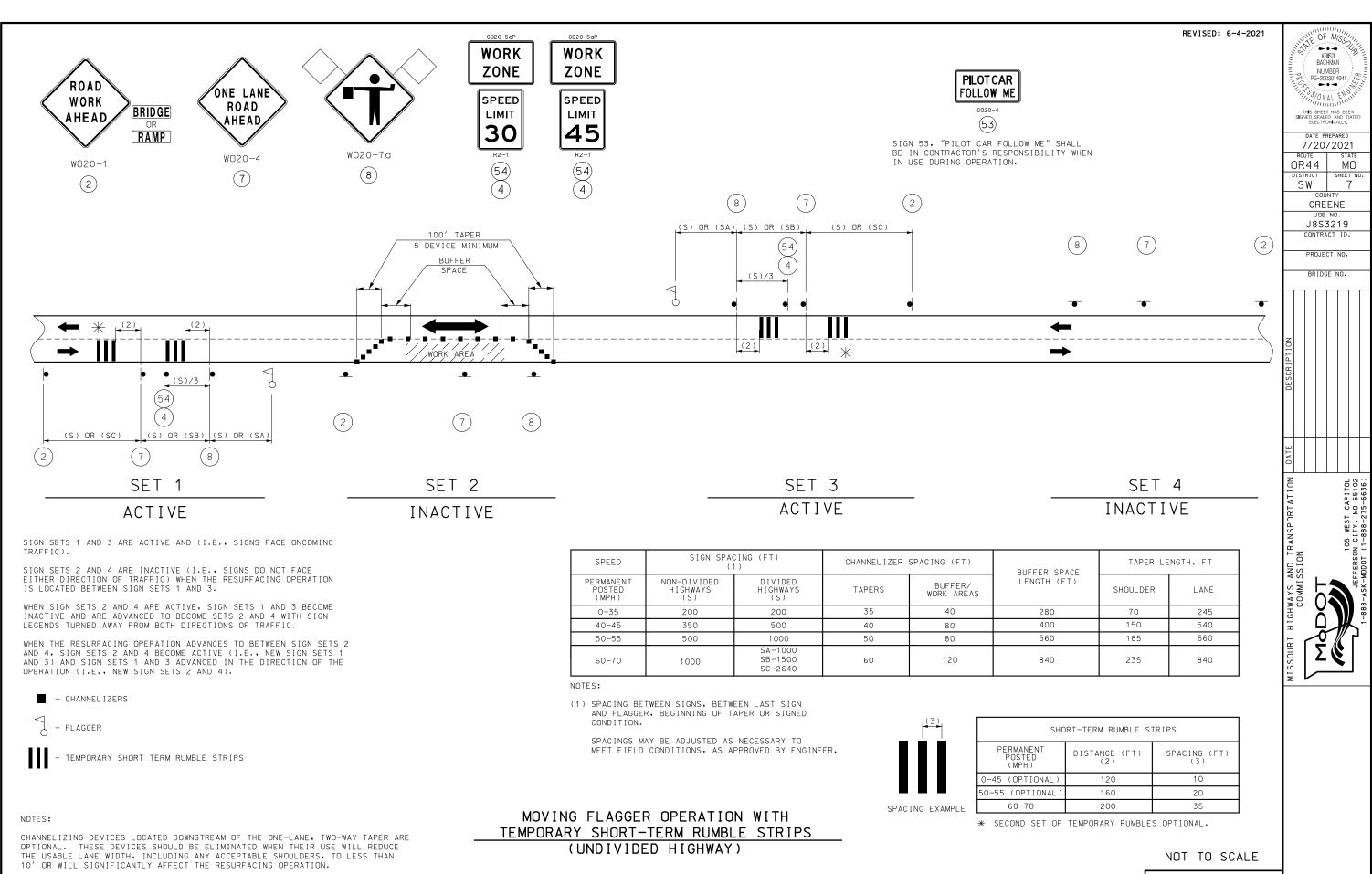
DATE PREPARED 7/22/2021 ROUTE STATE OR 44 MO
DISTRICT SHEET NO.
SW 3 GREENE
JOB NO.
J8S3219
CONTRACT ID. PROJECT NO. BRIDGE NO.

											EFFECTIVE: 04-01-2021	MINIMINIO,
	TOTAL	QTY TOTAL SIG	GN .			QTY TO	TALSIGN					OF MISSON
SIZE AR	EA QTY AREA	RELOC RELOC NUI			:A QTY TOTAL							S KHISH
	FT. EACH SQ.FT.	EACH SQ.FT.			T. EACH SQ.FT.		1 1		ITEM	TOTAL		BACHMAN NUMBER
	WARNING S		DESCRIPTION		GUIDE SIG		-	DESCRIPTION	NUMBER	ı	DESCRIPTION	PE-2003014941
/O1-1L 48X48 16.		10110	TURN (SYMBOL LEFT ARROW)	E05-1 36X48 12.0		1 1		GORE EXIT	6122008	Q I I	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	IIII SONAL ENGIN
O1-1R 48X48 16.			TURN (SYMBOL RIGHT ARROW)	E05-2 48X36 12.0				EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	ATTITUDE.
/O1-2L 48X48 16.	.00		CURVE (SYMBOL LEFT ARROW)	E05-2a 48X36 12.0	00		E	EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	THIS SHEET HAS BEEN SIGNED, SEALED AND DAT ELECTRONICALLY
01-2R 48X48 16.			CURVE (SYMBOL RIGHT ARROW)	GD20-1 60X24 10.0				ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
01-3L 48X48 16			REVERSE TURN (SYMBOL LEFT ARROW)	G020-2 48X24 8.0				END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	DATE PREPARED 7/20/2021
/O1-3R 48X48 16. /O1-4L 48X48 16.			REVERSE TURN (SYMBOL RIGHT ARROW)	G020-4 36X18 4.5 G020-4a 42X30 8.7	0 2 9.00			PILOT CAR FOLLOW ME	6122017 6122019		IMPACT ATTENUATOR 65 MPH (SAND BARRELS) IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	ROUTE STAT
01-4E 48X48 16.			REVERSE CURVE (SYMBOL LEFT ARROW) REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-40 42X30 8.7				PILOT CAR IN USE WAIT & FOLLOW PILOT CAR IN USE WAIT & FOLLOW	6122019		REPLACEMENT SAND BARREL	OR44 MC
01-4bL 48X48 16.			DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	G020-5aP 36X24 6.0				VORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)	SW 3
O1-4bR 48X48 16.			DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a 24X18 3.0				END DETOUR	6123000	1	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	COUNTY
01-4cL 48X48 16.	.00		TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L 48X36 12.0	00			DETOUR (LEFT ARROW)	6161008	3	ADVANCED WARNING RAIL SYSTEM	GREENE
01-4cR 48X48 16.			TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R 48X36 12.0				DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)	JOB NO.
01-6 60X30 12			HORIZONTAL ARROW (SYMBOL)	MO4-9P 48X12 4.0				STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	J8S3219 CONTRACT ID.
01-6a 72X36 18. 01-7 60X30 12.			HORIZ, ARROW (SYMBOL ON PERMANENT BARRICADE) DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10L 48X18 6.0 MO4-10R 48X18 6.0				DETOUR (ARROW LEFT) DETOUR (ARROW RIGHT)	6161014 6161025	100	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT) CHANNELIZER (TRIM LINE)	CONTINACT ID:
01-7a 72X36 18.			DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.	MO4-10K 46X16 6.0		LATORY SI		DETOUR (ARROW RIGHT)	6161030	100	TYPE III MOVEABLE BARRICADE	PROJECT NO.
01-8 18X24 3.			CHEVRON (SYMBOL)	R1-1 48X48 13.		LATORT 51		STOP	6161033		DIRECTION INDICATOR BARRICADE	881885 118
01-8a 30X36 7.			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI 6.9		T		/ IELD	6161040		FLASHING ARROW PANEL	BRIDGE NO.
D3−1 48X48 16.			STOP AHEAD (SYMBOL)	R1-2a 36X36 9.0	0			O ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER	
03-2 48X48 16.			YIELD AHEAD (SYMBOL)	R1-3P 30X12 2.5				ALL WAY (PLAQUE)	6161051		WARNING LIGHT, TYPE A	
03-3 48X48 16.		<u> </u>	SIGNAL AHEAD (SYMBOL)	1	00 8 96.00)		SPEED LIMIT 2-30,2-35,2-45,2-55	6161052		WARNING LIGHT, TYPE B	
	00 3 48.00	11	BE PREPARED TO STOP	R3-1 48X48 16.0		+		NO RIGHT TURN (SYMBOL)	6161053		WARNING LIGHT, TYPE C	
03-5 48X48 16. 04-1L 48X48 16.			SPEED LIMIT AHEAD MERGE (SYMBOL FROM LEFT)	R3-2 48X48 16.0 R3-3 36X36 9.0				NO LEFT TURN (SYMBOL) NO TURNS	6161055 6161070		SEQUENTIAL FLASHING WARNING LIGHT TUBULAR MARKER	 8
04-1E 48X48 16.			MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.0		+ +		NO U-TURN (SYMBOL)	6161070		RADAR SPEED ADVISORY SYSTEM	
04-1aL 48X48 16.			MERGE (ARROW SYMBOL)	R3-7L 30X30 6.2				EFT LANE MUST TURN LEFT	0101033		CHANGEABLE MESSAGE SIGN.	RIA
4-1aR 48X48 16.			MERGE (ARROW SYMBOL)	R3-7R 30X30 6.2				RIGHT LANE MUST TURN RIGHT	6161096		COMMISSION FURNISHED/RETAINED	28:3
05−1 48X48 16.	.00		ROAD/BRIDGE/RAMP NARROWS	R4-1 36X48 12.0				OO NOT PASS			CHANGEABLE MESSAGE SIGN W/O COMM.	
5-3 48X48 16.			ONE LANE BRIDGE	R4-2 36X48 12.0				PASS WITH CARE	6161098		INTERFACE, CONTRACTOR FURNISHED/RETAINED	
5-5 48X48 16			NARROW LANES	R4-8a 36X48 12.0				(SEP LEFT (HORIZONTAL ARROW)			CHANGEABLE MESSAGE SIGN WITH COMM.	
06-1 48X48 16. 06-2 48X48 16.			DIVIDED HIGHWAY (SYMBOL)	R4-7a 36X48 12.0 R5-1 30X30 6.2				(EEP RIGHT (HORIZONTAL ARROW)	6161099	2	INTERFACE, CONTRACTOR FURNISHED/RETAINED	
06-2 48X48 16. 06-3 48X48 16.			DIVIDED HIGHWAY END (SYMBOL) TWO WAY TRAFFIC (SYMBOL)	R5-1a 36X24 6.0				OO NOT ENTER VRONG WAY	6162000 <i>t</i> 6162002		WORK ZONE TRAFFIC SIGNAL SYSTEM TEMPORARY LONG-TERM RUMBLE STRIPS	
07-3a 30X24 5.			NEXT XX MILES (PLAQUE)	R6-1L 54X18 6.7				ONE WAY ARROW (LEFT)	6162004	4	TEMPORARY SHORT-TERM RUMBLE STRIPS	ATE
D8−1 48X48 16.			BUMP	R6-1R 54X18 6.7				DNE WAY ARROW (RIGHT)			TEMPORARY TRAFFIC BARRIER	
08−2 48X48 16.	.00		DIP	R6-2L 24X30 5.0	0		(DNE WAY (LEFT)	61736000		CONTRACTOR FURNISHED/RETAINED	Z _
08-3 48X48 16.			PAVEMENT ENDS	R6-2R 24X30 5.0				DNE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER	RTATION
08-4 48X48 16.			SOFT SHOULDER	R9-9 24X12 2.0	0			SIDEWALK CLOSED	6173602E		CONTRACTOR FURNISHED/COMMISSION RETAINED	TA1
08-5 48X48 16. 08-6 48X48 16.			SLIPPERY WHEN WET (SYMBOL)					SIDEWALK CLOSED AHEAD,	6174000 <i>4</i> 6175010 <i>4</i>		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	H. T.
08-6 48X48 16. 08-6c 48X48 16.			TRUCK CROSSING TRUCK ENTRANCE	N3-11L 24×16 3.0				GARROW LEFT) CROSS HERE SIDEWALK CLOSED AHEAD,	61730104		RELOCATING TEMPORARY TRAFFIC BARRIER TEMPORARY TRAFFIC BARRIER	TRANSPOR ON 105 WEST
08-7 36X36 9.			LOOSE GRAVEL	R9-11R 24X18 3.0	0			ARROW RIGHT) CROSS HERE	 6176000E		COMMISSION FURNISHED/RETAINED	AN AN
08-7a 36X36 9.			FRESH OIL/LOOSE GRAVEL	R10-6 24X36 6.0				STOP HERE ON RED (45° ARROW)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	L _E N
08-9 48X48 16.	.00		LOW SHOULDER	R11-2 48X30 10.0	00		F	ROAD CLOSED	6177000E		COMMISSION FURNISHED/RETAINED	AND SS IC
08-11 48X48 16.			UNEVEN LANES	1				ROAD CLOSED XX MILES AHEAD	6208064			I S i S
08-12 48X48 16.		35	NO CENTER LINE	R11-3a 60X30 12.5				OCAL TRAFFIC ONLY	9029400		TEMPORARY TRAFFIC SIGNALS	S ₹ C
8-15 48X48 16.			GROOVED PAVEMENT	R11-4 60X30 12.5		+		ROAD CLOSED TO THRU TRAFFIC	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	GHWA)
08-15P 30X24 5. 08-17 48X48 16.			MOTORCYCLE (PLAQUE) SHOULDER DROP-OFF (SYMBOL)	CONST-3A 60X48 20.0 CONST-3X 56X12 4.6		+ +		FINE SIGN SPEEDING/PASSING (PLATE)				
08-17P 30X24 5.			SHOULDER DROP-OFF (PLAQUE)	3000 300012 4.0		L L ELLANEOUS		DI LEDINOVI ADDINO (I LATE)	 			
0-1 42RND. 9.			RAILROAD CROSSING	CONST-5 48X36 12.0				POINT OF PRESENCE				
012-1 24X24 4.			DOUBLE DOWN ARROW (SYMBOL)	CONST-5 96X48 32.0				POINT OF PRESENCE				MISSOUR \sum
112-2 48X48 16.			LOW CLEARANCE (SYMBOL)	CONST-7 48X24 8.0				RATE OUR WORK ZONE				ss -
112-2X 24X18 3.			LOW CLEARANCE (PLAQUE)	CONST-7 72X36 18.0				RATE OUR WORK ZONE				½
012-20 84X24 14.			OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-8 48X36 12.0	00 1 12.00	<u> </u>	59 V	VORK ZONE NO PHONE ZONE				
012-4 120X60 50.			UND CLEARANCE XX FT XX IN XX MILES AHEAD WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD			+						
12-5 120X60 50. 13-1 30X30 6.			ADVISORY SPEED (PLAQUE)			+ +						
16-2 30X24 5.			XXX FEET (PLAQUE)			+ +						
16-3 30X24 5.			X MILE (PLAQUE)			1						
20-1 48X48 16.		2	ROAD/BRIDGE/RAMP WORK AHEAD									
20-2 48X48 16.	.00		DETOUR AHEAD									
20-3 48X48 16.			ROAD CLOSED AHEAD									
20-4 48X48 16.		7	ONE LANE ROAD AHEAD	616-10.05	TOTAL							
20-5 48X48 16.			RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTRUCTION S	16NS 762		TAI					
20-5a 48X48 16. 20-6a 48X48 16.			2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD RIGHT/CENTER/LEFT LANE CLOSED	616-10.10 RELOCATED SIGN	ς	TO) AL					
20-80 48X48 16.		8		MELOCATED SIGN	<u> </u>	1						
121-2 36X36 9.			FRESH OIL	1								
021-5 48X48 16.			SHOULDER WORK AHEAD]								
022-1 48X48 16.			BLASTING ZONE AHEAD]								
	501		TURN OFF 2-WAY RADIO AND PHONE]							SUMMARY OF QUANTITIES	
			EUR B. 1077110 7011									
022-2 42X36 10. 022-3 42X36 10. 022-1 21X15 2.	.50		END BLASTING ZONE WET PAINT (ARROW PIVOTS)							•	SHEET 3 OF 3	









FLAG ASSEMBLIES FOR SIGN WO20-7a ARE SUBSIDIARY TO THE SIGN.

TRAFFIC CONTROL SHEET 2 OF 5

KRISTI BACHMAN

NUMBER PE-2003014941 PE-2000

7/20/2021

GREENE

J8S3219

CONTRACT ID. PROJECT NO.

BRIDGE NO.

MΩ

SHEET NO.

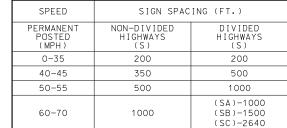
8

OR44

DISTRICT

SW

SIDE ROADS ENTERING WORK ZONES



DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

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.

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.). IN USE

60

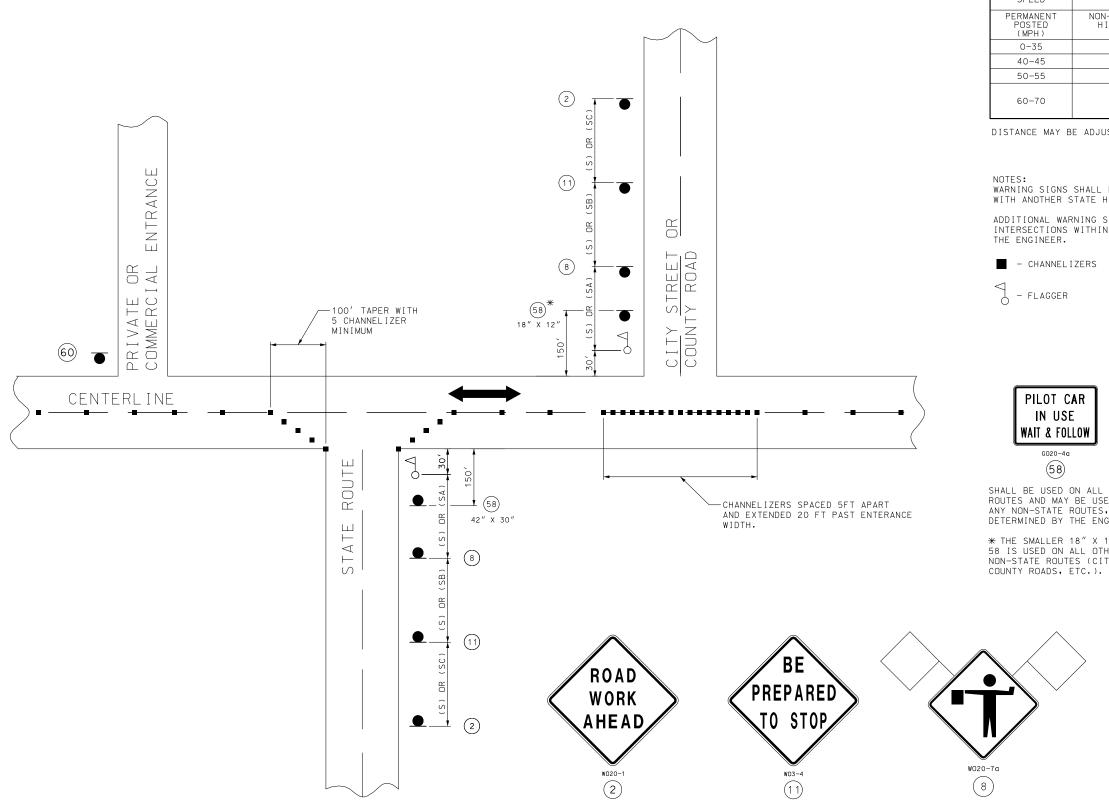
SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE SPECIAL PROVISIONS.

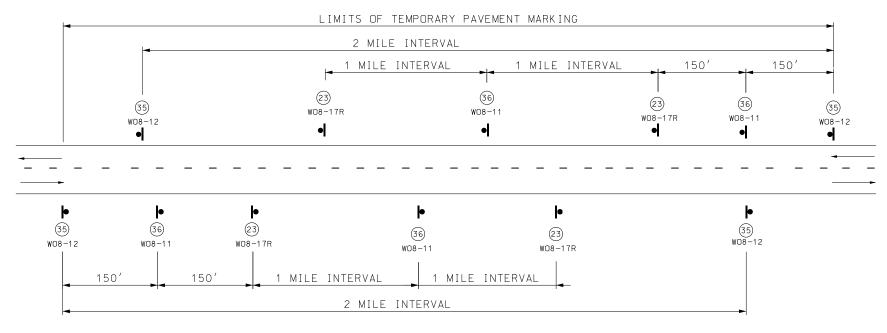
PILOT CAR WAIT & FOLLOW

SPECIAL

NOT TO SCALE

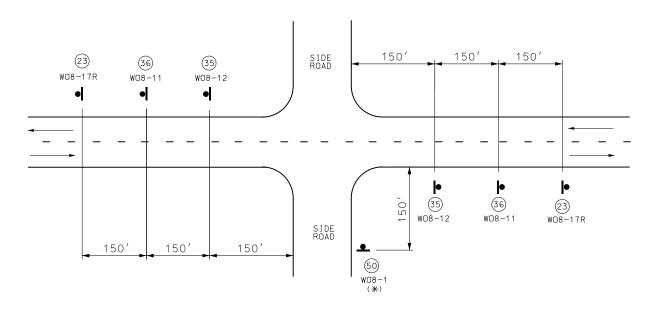
TRAFFIC CONTROL SHEET 3 OF 5





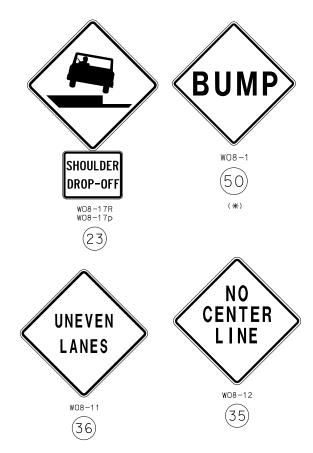
SIGN SPACING FOR MAINLINE

(DETAIL SHOWN IS BASED ON A PROJECT MEETING ALL CONDITIONS: NO CENTER STRIPE, UNEVEN LANES, SHOULDER DROP-OFF AND BUMP.)
WHEN BOTH UNEVEN LANES AND SHOULDER DROP-OFF SIGNS ARE USED, BOTH SIGHS SHALL STAY IN PLACE UNTIL BOTH CONDITIONS NO LONGER EXIST,
IF ONLY ONE CONDITION EXISTS (UNEVEN LANES OR SHOULDER DROP-OFF). THE SIGN SPACING SHALL BE AT 1 MILE INTERVALS.



SIGN SPACING AT SIDE ROAD INTERSECTIONS

(*) BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLAN 619.10.



GENERAL NOTES:

FOR DETAILS OF TEMPORARY PAVEMENT MARKING, SEE SHEET 1 OF 5.

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.

WHEN SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.

FOR BRIDGE EXCEPTIONS AND COLDMILLED AREAS, LOCATION OF SIGN 50 TO BE APPROVED BY THE ENGINEER. UNLESS REQUIRED BY STANDARD PLAN 619.10, SIGN 50 AT CONTRACTOR'S EXPENSE, NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.

NOT TO SCALE

TRAFFIC CONTROL SHEET 4 OF 5

	ROI DR	DAT 7/2 JTE 4/2 RIC	BAC NUM E-2000 O N	MBEF MBEF MBEF AL TITLY T HAS FED AI SEP A	RED O 2	1 ATE	William C	S PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE
	-	J E	JOB SS TRA	EN NO 32 CT	19	•		SHEET IT HAS
		BR	IDO	E N	10.			ON THIS
DESCRIPTION								IF A SEAL IS PRESENT
MISSOURI HIGHWAYS AND TRANSPORTATION DATE	COMMISSION		MODOT		105 WEST CAPITOI	JEFFERSON CITY, MO 65102	1-888-ASK-MODOT (1-888-275-6636)	

