DESIGN DESIGNATION

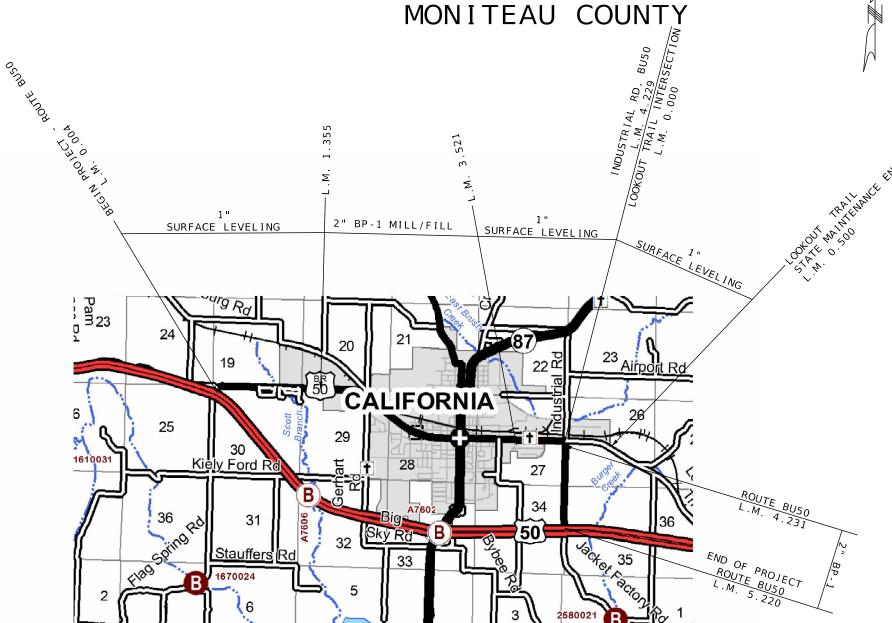
A.A.D.T. - 2024 = 8436

V = 35/45/55/60

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (4 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
SPECIAL SHEET (SS)	4 - 7
TRAFFIC CONTROL SHEETS (TC)	8 - 12

DROCKS OREG	NUME PE-026 \$/0 N A ///////////////////////////////////	26654					
		REPARED					
8/12/2025							
ROU		STATE					
BUS	50	MO					
DISTR		SHEET NO.	_				
DISTR		SHEET NO. 1	_				
)						
CI	COU I NOI	1 NTY TEAU					
CI M	COU ION I	TEAU					
CI M	COU JOB J C D (TEAU NO. D142	_				
CI M	COU JOB J C D (TEAU	_				
CI M	COU ION I JOB J CD (TEAU NO. D142	_				
CI M	COU ION I JOB J CD (TEAU NO. D142	_				
CI M	COU ION I JOB J CD (TEAU NO. D142 CCT ID.	_				

LENGTH OF PROJECT

BUS 50

BEGINNING OF PROJECT L.M 0.004 L.M. 5.220 END OF PROJECT 5.216 MILES APPARENT LENGTH EQUATIONS AND EXCEPTIONS: NONE

LOOKOUT TRAIL

BEGINNING OF PROJECT L.M. 0.000 END OF PROJECT L.M. 0.500 APPARENT LENGTH 0.500 MILES NONE

TOTAL CORRECTIONS NONE NET LENGTH OF PROJECT 30180.48 FT STATE LENGTH 5.716 MILES

(FOR INFORMATION ONLY)

EQUATIONS AND EXCEPTIONS:

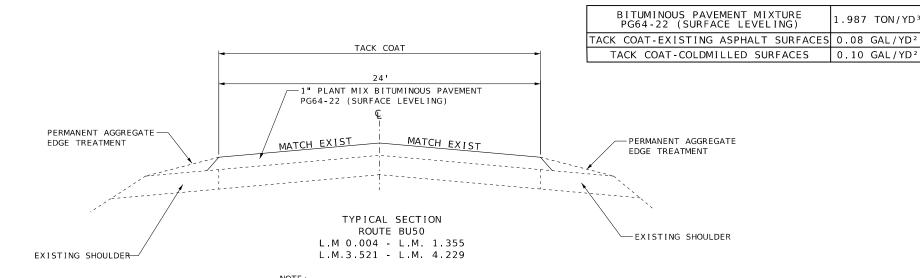
ESTIMATED DISTURBED AREA 0.000 AC



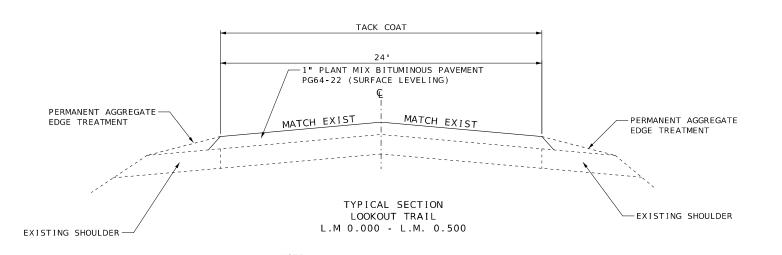
LOCATION OF MONITEAU COUNTY

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.

NOT TO SCALE

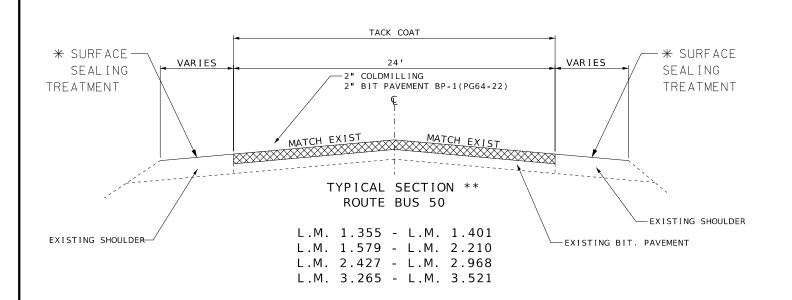


SURFACE PLACEMENT SHALL BE ONE PASS PER LANE NO S.E. CORRECTION.



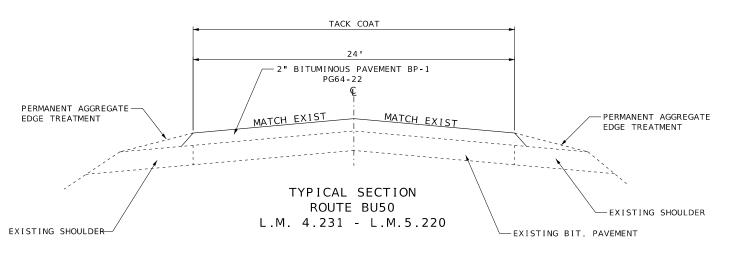
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE NO S.E. CORRECTION.

GREGORY G. LEARY NUMBER PE-026654 DATE PREPARED 8/12/2025 BUS 50 MO SHEET NO CD MONITEAU JOB NO.
JCD0142 CONTRACT ID. PROJECT NO. BRIDGE NO.



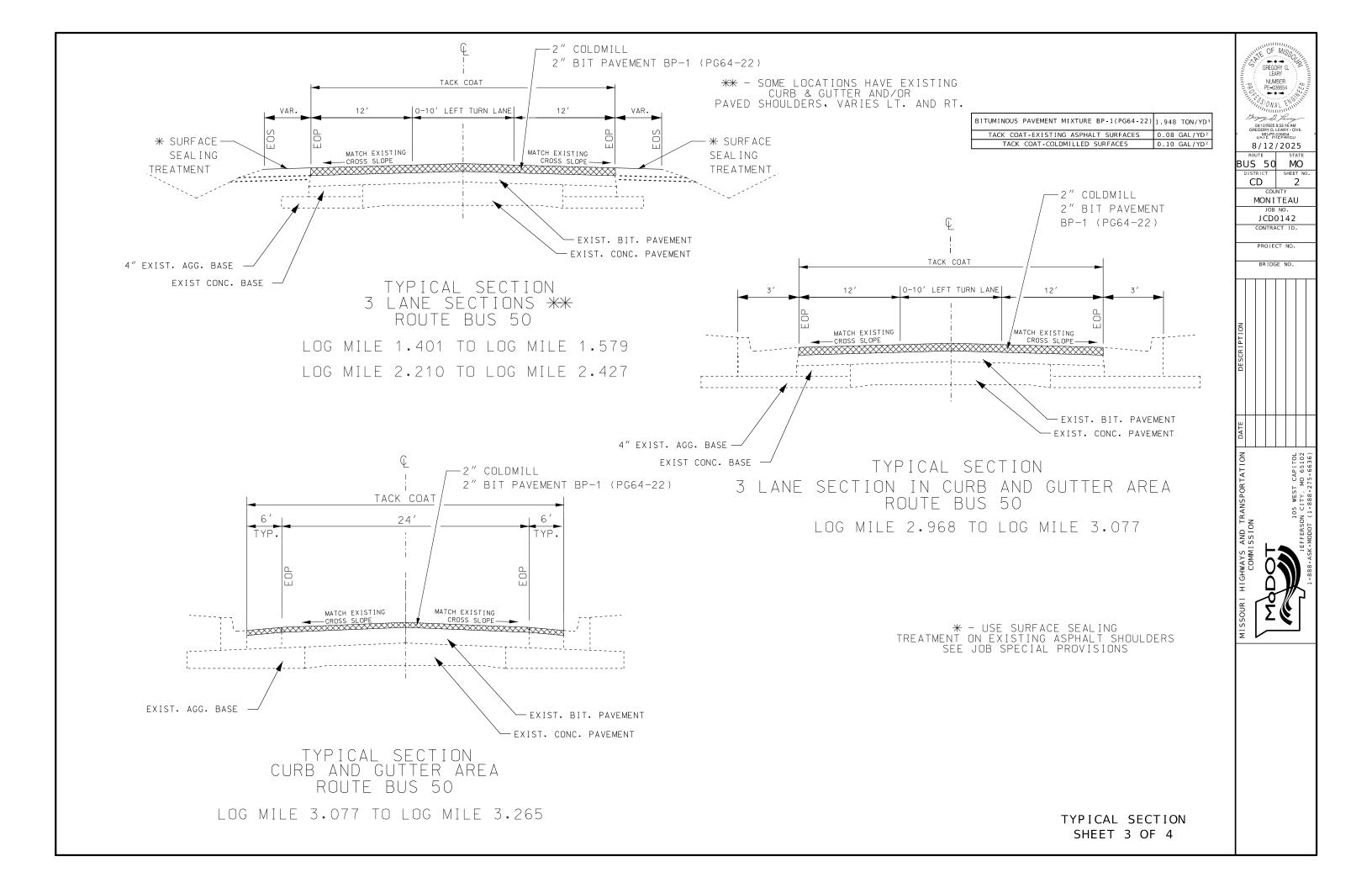
** - SOME LOCATIONS HAVE EXISTING CURB & GUTTER AND/OR PAVED SHOULDERS, VARIES LT. AND RT. BITUMINOUS PAVEMENT MIXTURE BP-1(PG64-22) 1.948 TON/YD3 TACK COAT-EXISTING ASPHALT SURFACES 0.08 GAL/YD² TACK COAT-COLDMILLED SURFACES 0.10 GAL/YD²

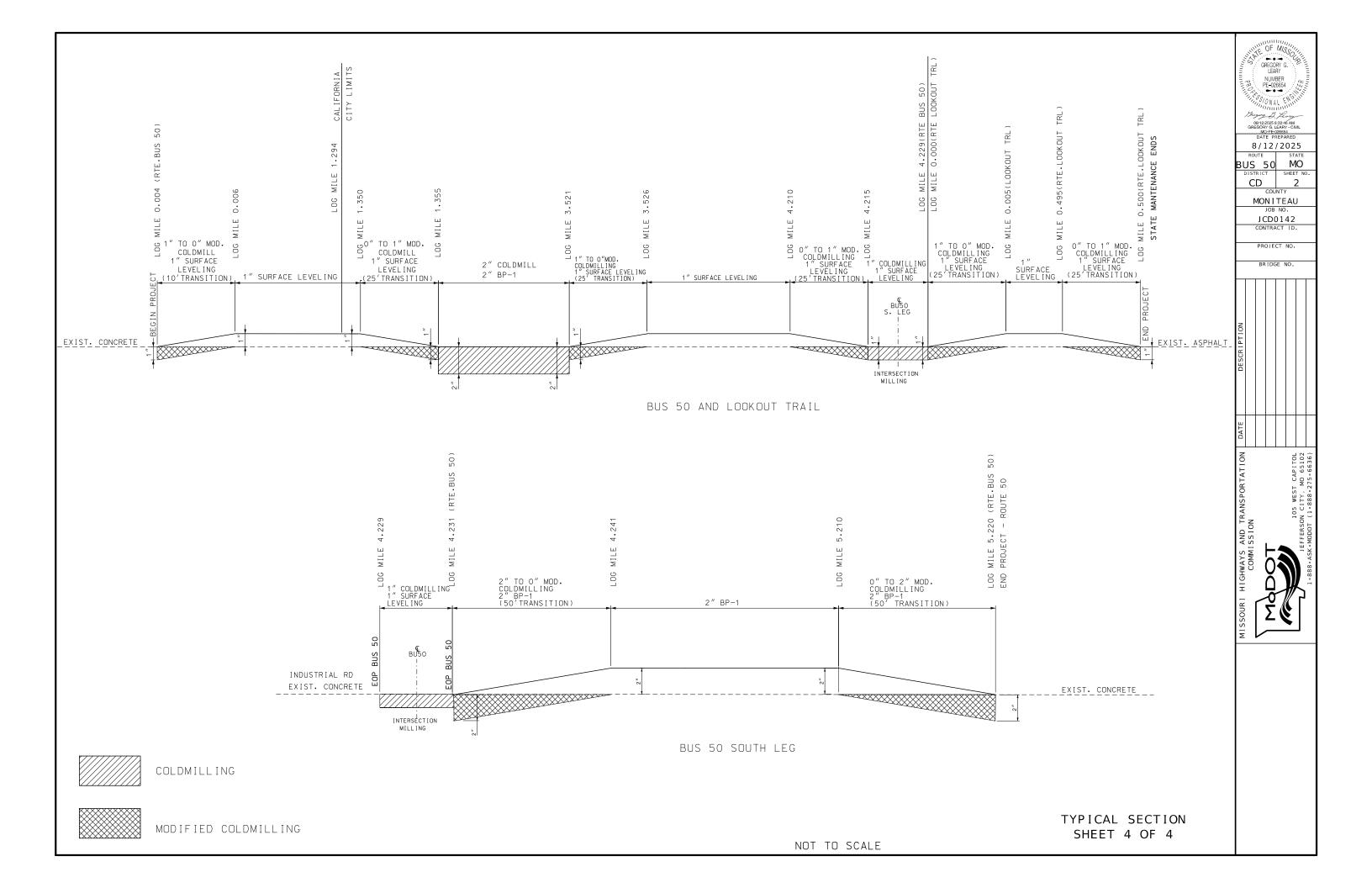
* - USE SURFACE SEALING TREATMENT ON EXISTING ASPHALT SHOULDERS. SEE JOB SPECIAL PROVISIONS



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

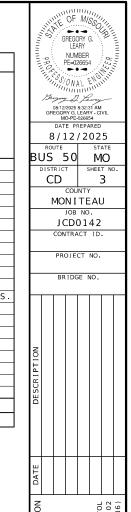
GREGORY G LEARY NUMBER PE-026654 Thegay I Lear 8/12/2025 BUS 50 MO CD 2 MONITEAU JCD0142 CONTRACT ID. PROJECT NO. BRIDGE NO.





						1" BITUMINOUS PA	AVEMENT SURFACE L	EVELING PG64 -	22
						1" SURFACE LEVELING	TACK COAT NON-TRACKING	TACK COAT NON - TRACK I NG	
						PG64-22	EXIST. ASPHALT	COLDMILLED	
						1" THICK	SURFACES	SURFACES	
APPROX.	APPROX.		LENGTH	WIDTH	AREA	1.987 TON/CY	0.08 GAL/SY	0.10 GAL/SY	REMARKS
LOG MILE	LOG MILE	LOCATION	FT.	FT.	SQ. FT.	TONS	GAL	GAL	
0.004	0.006	BUS 50	10.00	VARIES	1063.89	6.52		11.82	MODIFIED COLDMILLING START PROJECT BUS 50 - APPROX. 118.21 SQ. YDS.
0.006	0.015	BUS 50	50.00	VARIES	2997.00	18.38	26.64		1" SURFACE LEVELING - APPROX. 333 SQ. YDS.
0.015	1.350	BUS 50	7048.80	24	169171.20	1037.47	1503.74		
1.350	1.355	BUS 50	25.00	24	600.00	3.68		6.67	MODIFIED COLDMILLING BEFORE MILL/FILL
3.521	3.526	BUS 50	25.00	24	600.00	3.68		6.67	MODIFIED COLDMILLING AFTER MILL/FILL
3.526	4.210	BUS 50	3611.52	24	86676.48	531.56	770.46		
4.210	4.215	BUS 50	25.00	24	600.00	3.68		6.67	MODIFIED COLDMILLING BEFORE MILL/FILL
4.215	4.229	BUS 50	73.92	VARIES	7622.00	46.74		84.69	BUS 50, INDUSTRIAL RD AND LOOKOUT TRAIL INTERSECTION - APPROX. 847 SQ. YDS
0.000	0.005	LOOKOUT TRAIL	25.00	24	600.00	3.68		6.67	MODIFIFED COLDMILLING - AFTER MILL/FILL
0.005	0.495	LOOKOUT TRAIL	2587.20	24	62092.80	380.80	551.94		
0.495	0.500	LOOKOUT TRAIL	25.00	24	600.00	3.68		6.67	MODIFIED COLDMILLING LOOKOUT TRL (STATE MAINTENANCE END) - APPROX. 66.67 SQ. YDS.
0.004	5.220	BUS 50	VARIES	2	868.00	5.32	7.72		FIELD, PRIVATE ENTRANCES AND COUNTY RDS
0.074		OLD HWY 50	VARIES	VARIES	4176.00	25.61	37.12		BUS 50 AND OLD HWY 50 INTERSECTION - APPROX. 464 SQ.YDS.
						509.97			25% FOR IRREGULARITIES
						40.80			2% SAFETY EDGE
				<u> </u>	TOTAL	2621.57	2897.62	129.86	
					USE	2621.6	3027		

						COLDMILLING	
					MODIFIED		
					COLDMILLING	COLDMILLING	
					(DEPTH	(3" THICK	
OG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS
FROM	TO	LOCATION	FT	FT	SO. YDS.	SO. YDS.	REPARKS
	. •				`	3Q. 1D3.	DUC FO /CTART DROUGCT)
0.004	0.006	BUS 50	10.00	VARIES	118.21		BUS 50 (START PROJECT)
1.350	1.355	BUS 50	25.00	24	66.67		MODIFIED COLDMILLING BEFORE MILL/FILL
1.355	3.521	BUS 50	11436.48	VARIES		34014.93	2" MILL/FILL
3.521	3.526	BUS 50	25.00	24	66.67		MODIFIED COLDMILLING AFTER MILL/FILL
4.210	4.215	BUS 50	25.00	24	66.67		MODIFIED COLDMILLING BEFORE INTERSECTION MILLING
4.215	4.229	BUS 50	73.92	VARIES		847.00	BUS 50, INDUSTRIAL RD AND LOOKOUT TRAIL INTERSECTION - 1" MILL/FILL
4.231	4.241	BUS 50	50.00	24	133.33		MODIFIED COLDMILLING AFTER INTERSECTION MILLING
5.210	5.220	BUS 50	50.00	24	133.33		BUS 50 (END OF PROJECT) AT ROUTE 50
0.000	0.005	LOOKOUT TRAIL	25.00	24	66.67		MODIFIED COLDMILLING AFTER INTERSECTION MILLING
0.495	0.500	LOOKOUT TRAIL	25.00	24	66.67		MODIFIED COLDMILLING (STATE MAINTENANCE ENDS)
0.004	5.220	BUS 50	VARIES	4	752.44		CONCRETE ENTRANCES
0.074		OLD HWY 50	10.00	VARIES	28.20		BUS 50 AND OLD HWY 50 INTERSECTION - APPROX. 28.2 SQ.YDS.
55.419	55.437	HWY 87 N	VARIES	VARIES		468.00	BUS 50 AND HWY 87 INTERSECTION - APPROX. 468 SQ.YDS.
55.443	55.461	HWY 87 S	VARIES	VARIES		558.00	BUS 50 AND HWY 87 INTERSECTION - APPROX. 558 SQ.YDS.
				TOTAL	1498.9	35887.9	
				USE		35888	



Property							PERMA	ANENT PAVEMENT	MARKING			
APPENDE APPEND					CLASS I HIGH BUI	LD PAINT TYPE P BI	EADS		TYPE 2 PREFORMED	THERMOPLASTIC		
192 MILE 192 MILE 1920 1921 1921 1921 1921 1921 1921 1922 1	APPROX.	APPROX.		LENGTH	4" INT. YELLOW	4" SOLID YELLOW	4" SOLID WHITE		24" SOLID WHITE	LEFT ARROW		
1 335	LOG MILE			FT	LF	LF		LF		EACH		
1												
2-77						1/36 16	10074.24					EDGEL INES
1					282.48							
1.00												
1.00						1980.00						
						1002.06						
1,150					273.24							
140								54.00				HASH BARS - 45 DEGREE ANGLE, 50' SPACING
1		1.510		179.52		359.04	179.52					LANE LINE
1.75												
1,500		1.518		42.24		84.48				-		
1,449								63.00				HASH BARS - 45 DEGREE ANGLE, 50' SPACING
7,000												
2-19					277.20							
1,250 1,25								38.00				HASH BARS - 45 DEGREE ANGLE. 50' SPACING
1					322.08							
1												
2.200 1.00 1												
2-72 2-72												
2.422		2.427		300.96		1203.84		41.00		•		HASH BARS - 45 DEGREE ANGLE, 50' SPACING
2.799 7.097 7.097 7.097 7.097 7.197	2.427	2.968	BUS 50	2856.48		5712.96						
3,97 3,03 300 36 71,02 147,84 73,92 147,84 73,92 1 1 1 1 1 1 1 1 1												
1							73 92					LANE LINE
1.03 1.02 1.03 1.03 1.04 1.06 1.09 1.08 1.08 1.09 1.08 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09		3.021		73.32		147.04	73.32			1	1	EARL LINE
1,022	3.021								10.00			
1.00		3.022					14.66					LANE LINE
3.05			BUS 50	12.00								RIIS 50 AND DTE 87 INTERSECTION SIDEWALK STRIPE
3.393			BUS 50									
1,040 3,05				12.00								
3.495 3.955 3.95		3.040					10.74					LANE LINE
1 0.555 0.00 0.05 0.00 0.05 0.00		2 055				169 02	94.01		10.00			LANE LINE
1.055 3.060 805 50 28.40 52.80		3.033		84.01		100.02	84.01			1	1	LAINE LINE
3.477 3.495 595 595 507 607 20		3.060		26.40		52.80						
3.495 3.610 805 50 120.24 2460.48 2246.48 2460.48 4.021 805 50 120.24 22460.48 4.021 805 50 120.24 22460.48 4.021 805 50 120.24 4.021 805 50 120.24 4.021 805 50 120.24 4.021 805 50 120.24 4.021 805 50 120.24 4.021 805 50 120.24 4.021 805 50 120.24 4.021 805 50 120.24 805 50												
3.843					151 00							
3.843					131.80							
S5.419					234.96							
ST. A21	4.021	4.229	BUS 50	1098.24		2196.48						
ST. A21	5E 410	56 427	DTC 07	42.24		01 10						
15.42 55.427 RTE 87 30.00 30.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 1		33.421		42.24		04.40				1		
55.437		55.427		30.00			30.00					LANE LINE
St. 430									12.00			
S5.433		55.430					16.62		12.00			LANE LINE
St. 448				12.00								RTE 87 (NORTH LEG) - SIDEWALK STRIPE
S5.451 RTE 87 13.88 13.88 12.00 12	55.448		RTE 87						54.00			
S5.451									12.00			
S5.451 S5.461 RTE 87		55.451					13.88		12 00			LANE LINE
55.461 RTE 87		55.461				108	54.00		12.00			LANE LINE
4.231 4.523 BUS 50 1541.76 3083.52										11		
4.231 4.523 BUS 50 1541.76 3083.52												
4.231 4.523 BUS 50 1541.76 3083.52	4 221		DIIC FO	12.00					12.00			
4.523 4.876 BUS 50 1863.84 465.96 1863.84 3727.68 3854.40 <		4.523				3083.52	3083.52		12.00			
0.000 0.218 LOOKOUT TRL 1151.04 2302.08 2302.08 0.218 0.325 LOOKOUT TRL 564.96 141.24 564.96 1129.92 0.325 0.500 LOOKOUT TRL 924.00 1848.00 1848.00 1848.00 1848.00 1848.00 10					465.96							
0.218	4.876	5.241	BUS 50	1927.20		3854.40	3854.40					
0.218	0.000	0.210	LOOKOUT TO:	1151 04		2202.00	2202.00					
0.325					141.24							
					2007 77			10.5.5.5	206 77			
02E 250CC \$10CC 270CC 270CC					2803.68							
				USE		27712	JJJ34	1 190	1 320	1 10	1 4	

NOTE: ALL PAVEMENT MARKING TO MATCH EXISTING UNLESS OTHERWISE SHOWN IN THE PLANS. LOCATE BEFORE RESURFACING.

Magny A Leary - CIVIL - GREGORY G. LEARY - CIVIL - MO-PE-026854 - DATE PREPARED 8/12/2025 BUS 50 MO SHEET NO. CD MONITEAU

JOB NO.

JCD0142

CONTRACT ID. PROJECT NO.

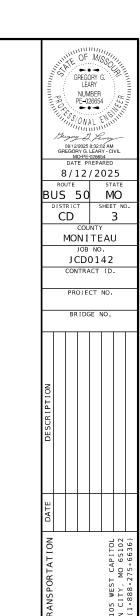
SUMMARY OF QUANTITIES SHEET 2 OF 4

						2" BITUMINOUS I	PAVEMENT BP-1 PG6	4 - 22	
							TACK COAT	TACK COAT	
							NON - TRACKING	NON - TRACKING	
						BIT PVMT BP-1	EXIST. ASPHALT	COLDMILLED	
				AVG		PG64-22	SURFACES	SURFACES	
APPROX.	APPROX.		LENGTH	WIDTH	AREA	1,948 TON/CY	0.08 GAL/SY	0.10 GAL/SY	REMARKS
LOG MILE	LOG MILE	LOCATION	FT.	FT.	SQ. FT.	TONS	GAL	GAL	TALLE WITHOUT
1.355	1.401	BUS 50	242.88	24	5829 12	70.56	OAL	64.77	
1.401	1.456	BUS 50	290.40	29	8421.60	101.94		93.57	WIDTH VARIES 24' TO 34'
1.456	1.517	BUS 50	322.08	34	10950.72	132.56		121.67	
1.517	1.579	BUS 50	327.36	29	9493.44	114.92		105.48	WIDTH VARIES 34' TO 24'
1.579	2.210	BUS 50	3331.68	24	79960.32	967.90		888.45	
2.210	2.248	BUS 50	200.64	29	5818.56	70.43		64.65	WIDTH VARIES
2.248	2.370	BUS 50	644.16	34	21901.44	265.11		243.35	
2.370	2.427	BUS 50	300.96	29	8727.84	105.65		96.98	WIDTH VARIES
2.427	2.968	BUS 50	2856.48	24	68555.52	829.85		761.73	
2.968	2.999	BUS 50	163.68	29	4746.72	57.46		52.74	WIDTH VARIES 24' TO 34'
2.999	3.060	BUS 50	322.08	34	10950.72	132.56		121.67	BUS 50 AND ROUTE 87 INTERSECTION
3.060	3.077	BUS 50	89.76	29	2603.04	31.51		28.92	WIDTH VARIES 34' TO 24'
3.077	3.265	BUS 50	992.64	36	35735.04	432.57		397.06	
3.265	3.521	BUS 50	1351.68	24	32440.32	392.68		360.45	
4.231	4.241	BUS 50	50.00	24	1200.00	14.53		13.33	MOD. COLDMILLING AFTER MILL/FILL
4.241	5.210	BUS 50	5116.32	24	122791.68	1486.37	1091.48		
5.210	5.220	BUS 50	50.00	24	1200.00	14.53		13.33	MODIFIED COLDMILLING (END OF PROJECT)
55 410	55 427	275 27	05.04	\/AB.156	1212 00	0.00		45.00	1880 O.7. N
55.419 55.443	55.437 55.461	RTE 87 RTE87	95.04	VARIES VARIES	4212.00	50.99		46.80	HWY 87 N HWY 87 S
55.443	55.461	RIE87	95.04	VARTES	5022.00	60.79		55.80	HWY 87 S
	•	'		•	•				
					TOTAL	5332.91	1091.48	3530.75	
					USE	5332.9	4622		

		PERMANENT	AGGREGATE	EDGE TR	EATMENT					
				ESTIMATED	PERM. AGGR.					
			LENGTH	AREA	EDGE TREATMENT					
LOG MILE	LOG MILE	LOCATION	FT	SF	(TONS)	REMARKS				
0.004	1.355	BUS 50 RT & LT	7133.3	0.084	62.14					
3.521	4.215	BUS 50 RT & LT	3664.3	0.084	31.92					
4.231	5.220	BUS 50 RT & LT	5221.9	0.167	90.44					
0.000	0.5	LOOKOUT TRAIL	2640.0	0.084	23.00					
				TOTAL	207.50					
	USE 207.5									
ESTIMATED A	AT 1.40 TON	/CY								

PATCHING DAMAGED PAVEMENT								
	REMOVAL OF	REPLACEMENT OF						
	DAMAGED	DAMAGED						
	PAVEMENT	PAVEMENT						
LOCATION	SY	TON						
BUS 50 / LOOKOUT TRAIL	100	15.9						
TOTAL	100	15.9						
USE	100	15.9						

	GRAVEL (A), CRUSHED STONE (B)								
			GRAVEL (A)						
			CRUSHED STONE (B)	REMARKS					
LOG MILE	LOG MILE LOG MILE LOCATION		TONS						
0.004	5.22	BUS 50	75.00	GRAVEL ENTRANCES AND COUNTY ROADS IN OVERLAY LIMITS					
0.000	0.500	LOOKOUT TRAIL	50.00	GRAVEL ENTRANCES AND COUNTY ROADS					
		TOTAL	125.0						
	·	USE	125						



			TEMPOR	ARY TRAFFI	C CONTROL	
SIGN	SIGN	SIZE	AREA	QUANTITY	TOTAL AREA	DESCRIPTION
NO.			SF	EA	SF	
CONSTRUCT	ION SIGNS	1	1		•	
1	GO20-1	60X24	10.00	2	20	ROAD WORK NEXT 5 MILES
2	WO20-1	48X48	16.00	47	752	ROAD WORK AHEAD
7	WO20-4	48X48	16.00	49	784	ONE LANE ROAD AHEAD
8	WO20-7a	48X48	16.00	47	752	FLAGGER SYMBOL (WITH FLAGS)
26	GO20-2	48X24	8.00	2	16	END ROAD WORK
35	WO8 - 12	48X48	16.00	8	128	NO CENTER LINE
36	WO8 - 11	48X48	16.00	14	224	UNEVEN LANES
53	GO20-4	36X18	4.50	1	4.5	PILOT CAR FOLLOW ME
58	GO20-4a	18X12	1.5	43	64.5	PILOT CAR IN USE WAIT & FOLLOW
58	GO20-4a	42X30	8.75	1	8.75	PILOT CAR IN USE WAIT & FOLLOW
59	CONST-B	48X36	12.00	2	24	WORK ZONE NO PHONE ZONE
	GO22-1	21X15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
CONSTRUCTION	I SIGNS TOTAL				2786.51	
ADD I I I ONAL	L TRAFFIC C	ONTROL ITEMS			T	
				504	CHANNELIZERS (TF	<u> </u>
			619-1098A	3 *	1 ' ' '	AGE SIGN WITHOUT COMMUNICATION INTERFACE
					CONTRACTOR FURNI	ISHED, CONTRACTOR RETAINED
	TEMPO	DRARY TRAFFIC	CONTROL TOTAL	1 LUMD SUM		
	TEMPO	DRARY TRAFFIC	CONTROL TOTAL	1 LUMP SUM		

MOBILIZATION
1 LUMP SUM

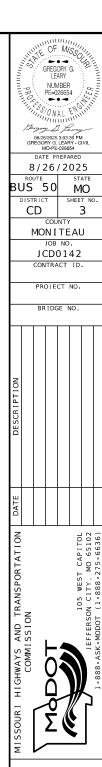
* NOT INCLUDED IN LUMP SUM TRAFFIC CONTROL

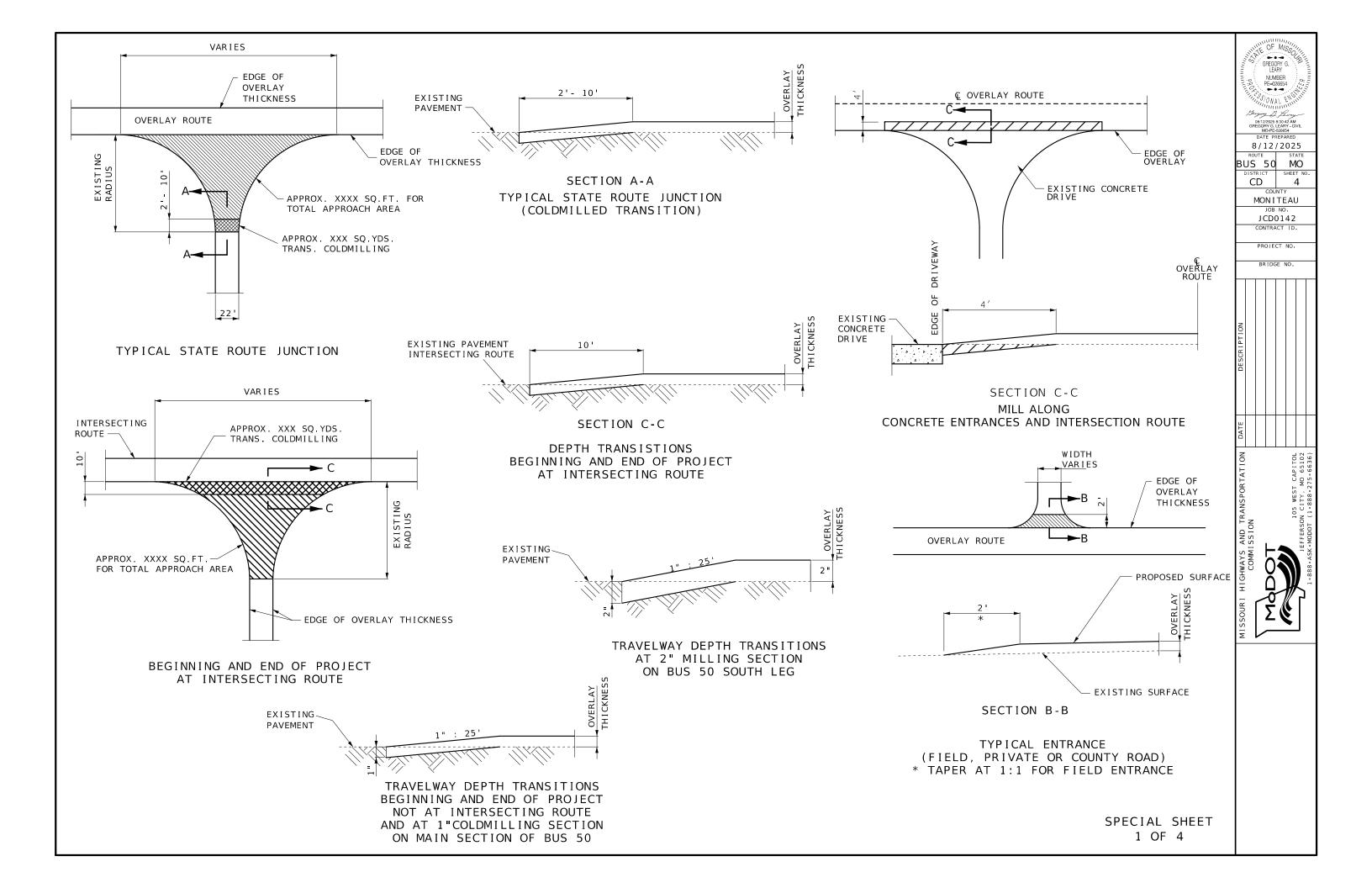
NOTE: ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, LUMP SUM TEMPORARY TRAFFIC CONTROL, UNLESS OTHERWISE NOTED IN THE PLANS. THE QUANTITIES SHOWN ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED UPON FIELD CONDITIONS AND CONTRACTOR'S OPERATIONS.

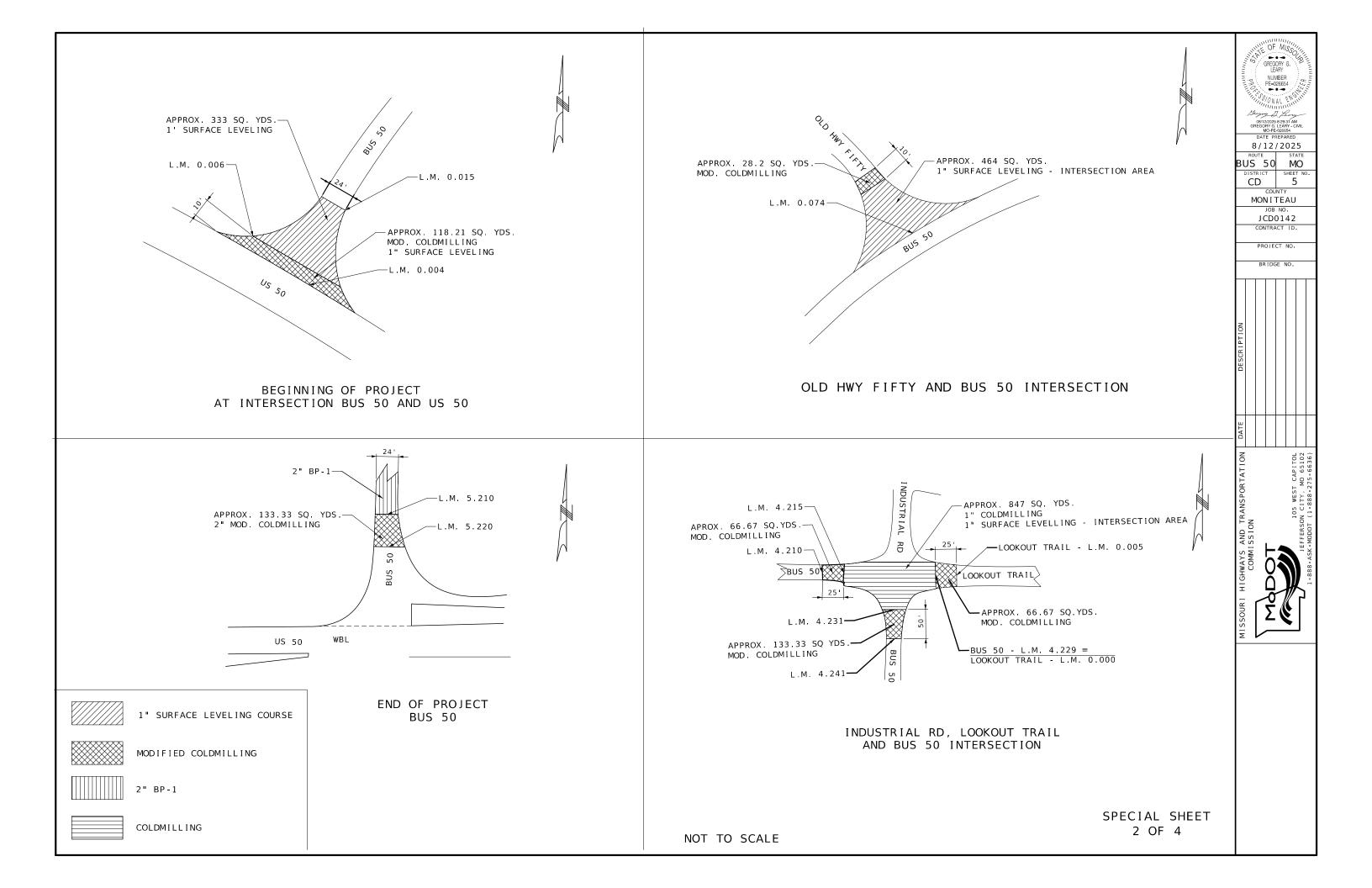
NO DIRECT PAY WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES.

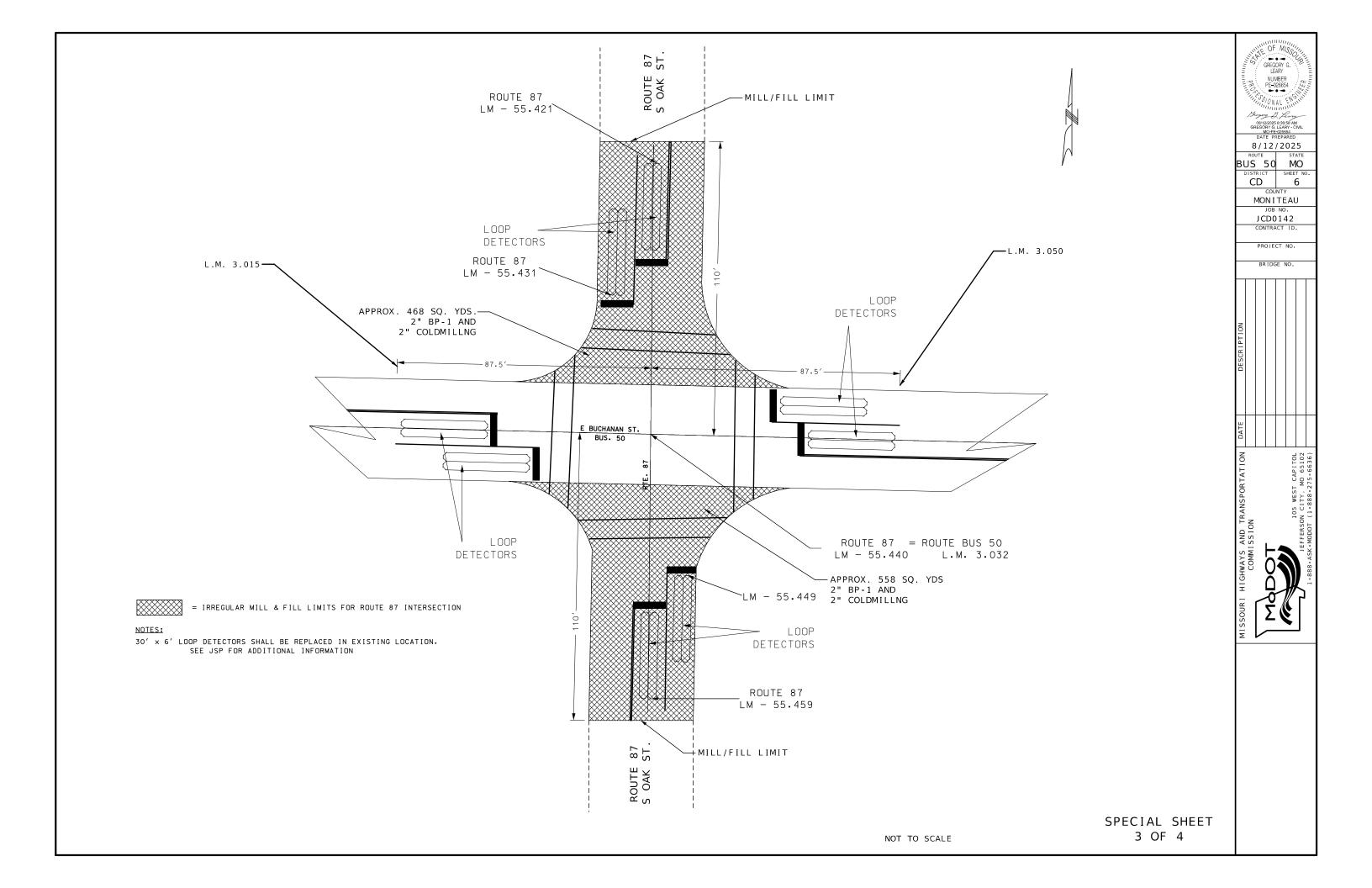
					S	URFACE SEALING TREATME	ENT
					ESTIMATED	SURFACE	
			LENGTH	WIDTH	AREA	SEALING TREATMENT	
LOG MILE	LOG MILE	LOCATION	FT	FT	SF	SQ. YDS.	REMARKS
1.355	1.401	BUS 50 RT & LT	242.9	12.00	2914.800	323.87	
1.401	1.459	BUS 50 RT & LT	306.2	12.0	3674.400	408.27	
1.519	2.255	BUS 50 RT & LT	3886.1	12.0	46633.200	5181.47	
2.355	2.435	BUS 50 RT	422.4	6.0	2534.400	281.60	
2.435	2.968	BUS 50 RT & LT	2814.2	12.0	33770.400	3752.27	
3.077	3.265	BUS 50 RT & LT	992.6				
3.265	3.521	BUS 50 RT & LT	1351.7	12.0	16220.400	1802.27	
		BUS 50 RT & LT	-3410.8	6.0	-20464.800	-2273.87	*EXCEPTIONS FOR EXISTING PAVED ENTRANCES.
		I		<u> </u>	TOTAL	9475.88	
					USE	9475.9	

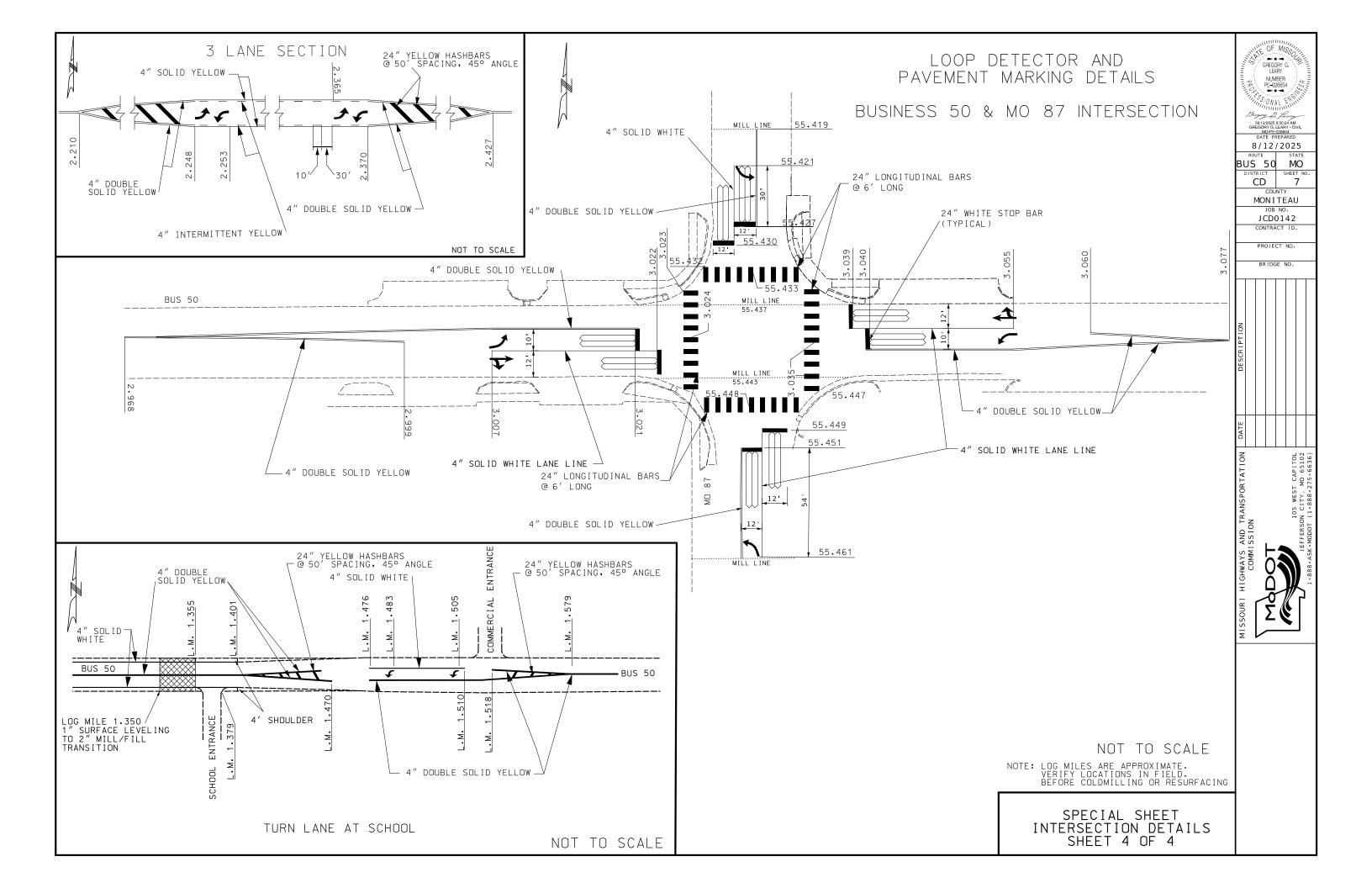
	LOOP DETEC	CTOR REPLACEMENT
	6' x 30' LOOP DETECTOR	
LOCATION	EACH	REMARKS
BUS 50 / MO 87	1	STRAIGHT/RIGHT DETECTOR LOOP - AS DIRECTED BY ENGINEER
BUS 50 / MO 87	1	LEFT TURN DETECTOR LOOP - AS DIRECTED BY ENGINEER
BUS 50 / MO 87	1	STRAIGHT/RIGHT DETECTOR LOOP - AS DIRECTED BY ENGINEER
BUS 50 / MO 87	1	LEFT TURN DETECTOR LOOP - AS DIRECTED BY ENGINEER
MO 87/BUS 50	1	STRAIGHT/RIGHT DETECTOR LOOP - AS DIRECTED BY ENGINEER
MO 87/BUS 50	1	LEFT TURN DETECTOR LOOP - AS DIRECTED BY ENGINEER
MO 87/BUS 50	1	STRAIGHT/RIGHT DETECTOR LOOP - AS DIRECTED BY ENGINEER
MO 87/BUS 50	1	LEFT TURN DETECTOR LOOP - AS DIRECTED BY ENGINEER
TOTAL	8	
USE	8	

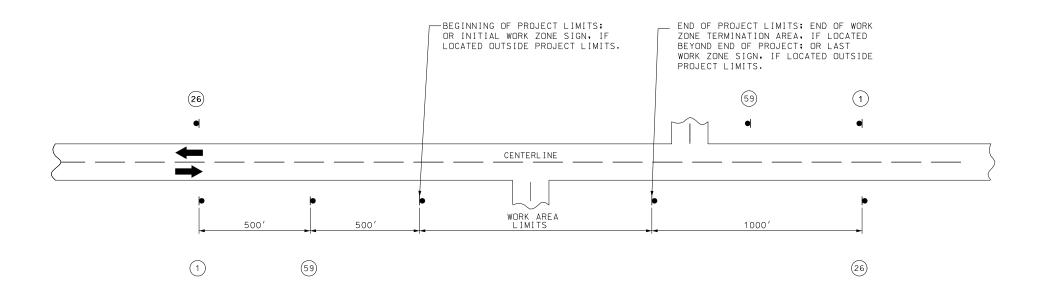








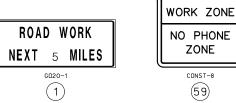




SIGN (1) AND (26) ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



JOB NO.

JCD0145

COMMISSION

BUDGE NO.

BUD

GREGORY G. LEARY NUMBER PE-026654

8/12/2025 ROUTE STATE BUS 50 MO

MONITEAU

8

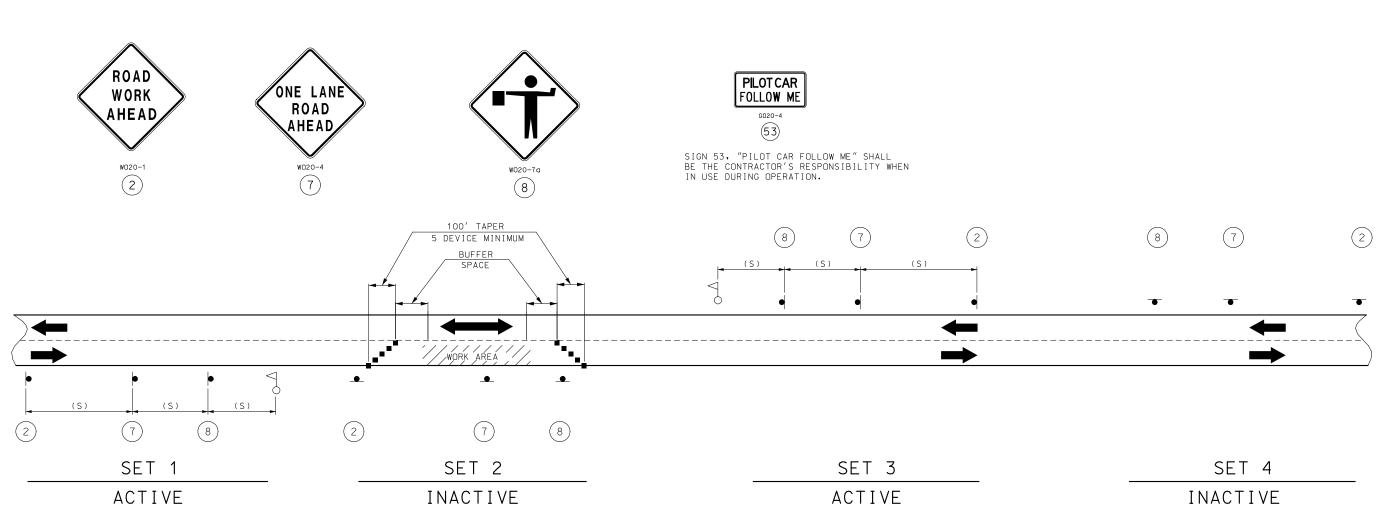
CD

END

ROAD WORK

G020-2

26)



DAYLIGHT FLAGGING OPERATIONS ONLY.

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

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

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

- CHANNELIZERS

- FLAGGER

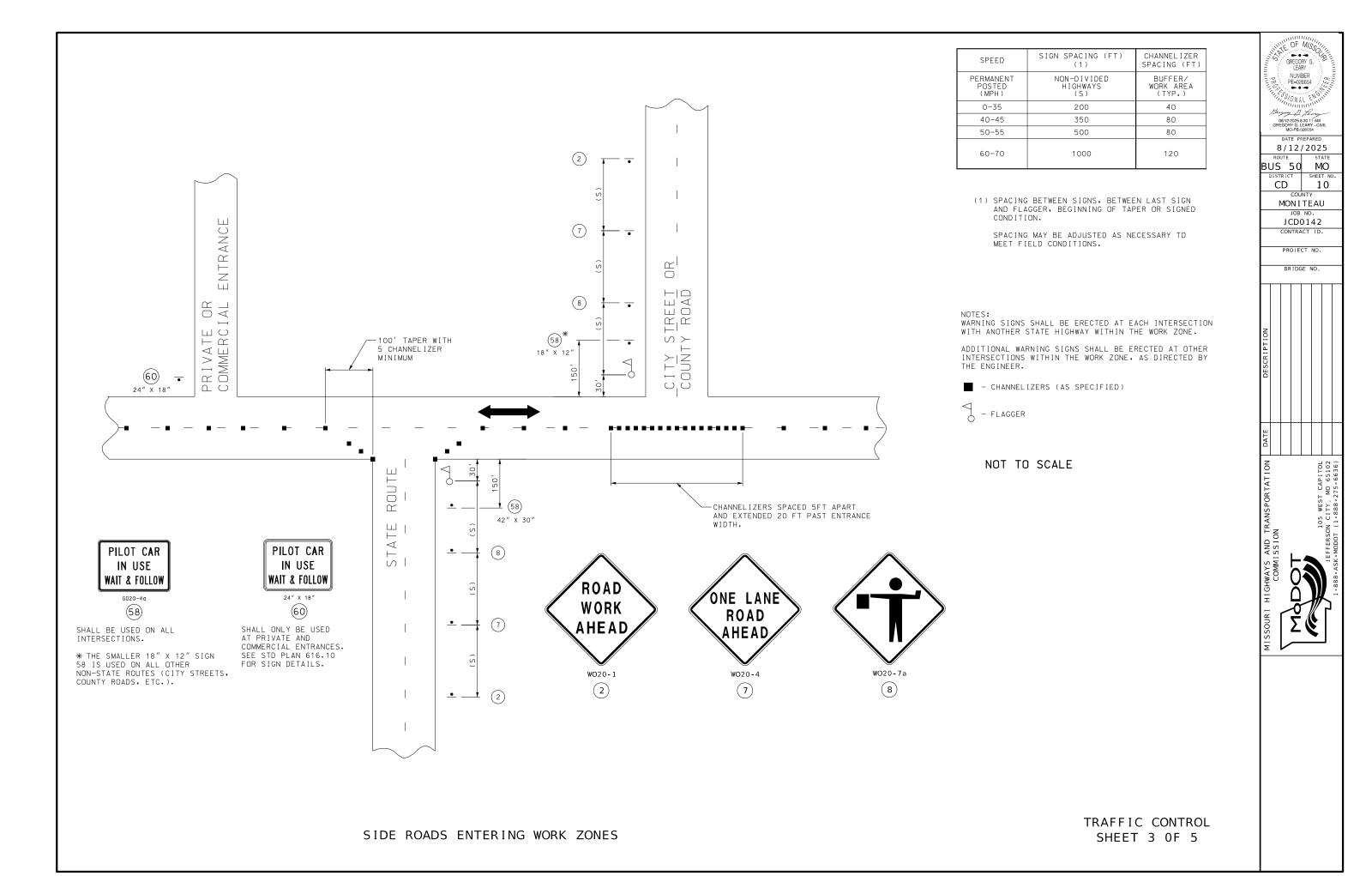
SPEED	SIGN SPACING (FT) (1)	BUFFER SPACE
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	LENGTH (FT)
0-35	200	250
40-45	350	360
50-55	500	495
60-70	1000	730

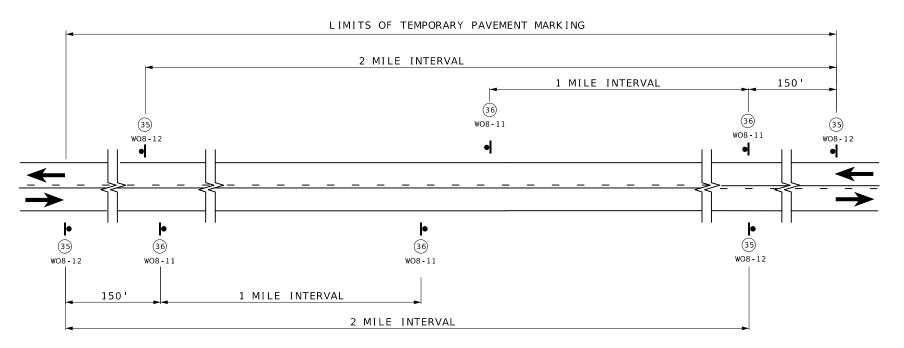
(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

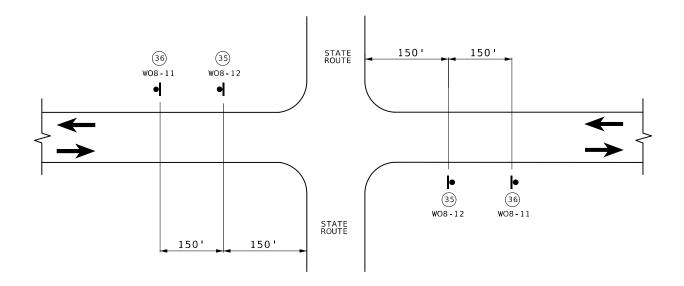
TRAFFIC CONTROL SHEET 2 OF 5

GREGORY G. LEARY NUMBER PE-026654 PE-02bu PE-02bu DATE PREPARED 8/12/2025 BUS 50 MO SHEET NO CD 9 MONITEAU JCD0142 CONTRACT ID. PROJECT NO.





SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE





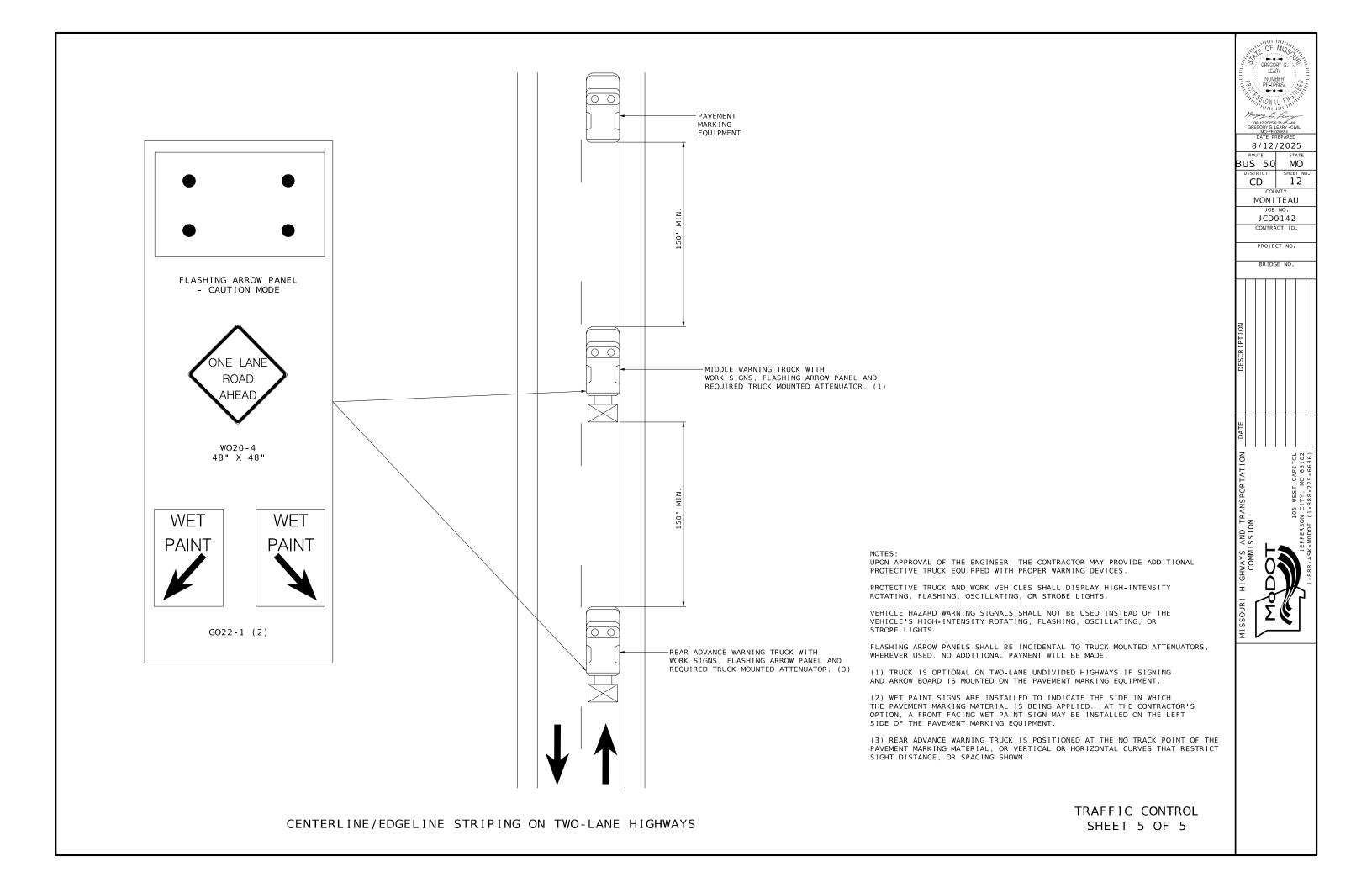
SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS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

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

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

8/12/2025 BUS 50 MO CD 11 MONITEAU JOB NO. JCD0142 CONTRACT ID. PROJECT NO. BRIDGE NO.

TRAFFIC CONTROL SHEET 4 OF 5



DESIGN DESIGNATION

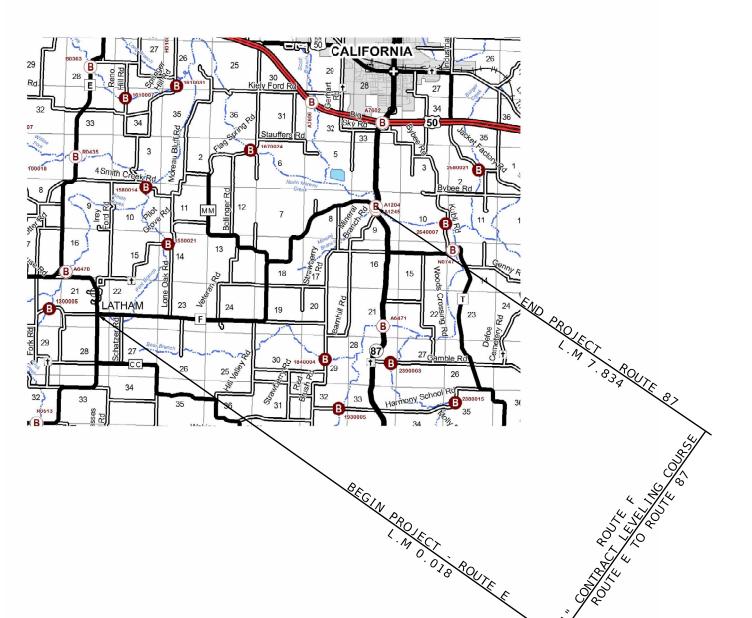
A.A.D.T. - 2023 = 758 V = 55 M.P.H.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

MONITEAU 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.

NOT TO SCALE

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (2 SHEETS)	3
SPECIAL SHEET (SS)	4 - 5
TRAFFIC CONTROL SHEETS (TC)	6 - 10

GREGORY GREGOR	MISSON MISSON MER MER ALL ENGLINE B2139 AM LEARY - CIVIL DOPPESS
DATE P	REPARED
8/12	/2025
ROUTE	STATE
F	MO
DISTRICT	SHEET NO.
CD	1
	NTY
MONIT	
JOB	NO.

JCD0154 CONTRACT ID.

PROJECT NO

DATE DESCRIPTION

LENGTH OF PROJECT

BEGINNING OF PROJECT 0.018 MILES
END OF PROJECT 7.834 MILES

APPARENT LENGTH 7.816 MILES

EQUATIONS AND EXCEPTIONS: NONE



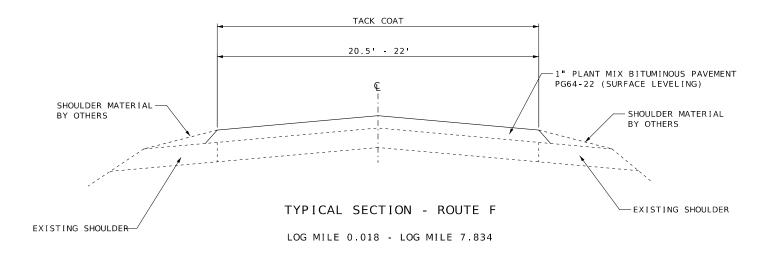
TOTAL CORRECTIONS 0.000 MILES

NET LENGTH OF PROJECT 41268.48 FT

STATE LENGTH 7.816 MILES

ESTIMATED DISTURBED 0.000 ACRES
(FOR INFORMATION ONLY)

BITUMINOUS PAVEMENT MIXTURE PG64-22(SURFACE LEVELING)	1.987 TON/YD ³
TACK COAT - EXISTING ASPHALT OR CONCRETE SURFACES	0.08 GAL/YD ²
TACK COAT - COLDMILLED ASPHALT OR CONCRETE SURFACES	0.10 GAL/YD ²



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

MILL & FILL AT LOG MILE 4.700 TO LOG MILE 4.720

GREGORY G. LEARY NUMBER PE-026654 Magang D. Ferry 08/12/2025 8:20:22 AM GREGORY G. LEARY - CIVIL MO-PE-026654 DATE PREPARED 8/12/2025 ROUTE **F** STATE CD 2 MONITEAU JOB NO.
JCD0154
CONTRACT ID. PROJECT NO.

	BITUMINOUS PAVEMENT SURFACE LEVELING PG64 - 22									
						SURFACE LEVELING	TACK COAT	TACK COAT		
						PG64-22	EXIST. ASPHALT	COLDMILLED		
				AVG.		1" THICK	SURFACES	SURFACES		
APPROX.	APPROX		LENGTH	WIDTH	AREA	1.987 TON/CY	0.08 GAL/SY	0.10 GAL/SY	REMARKS	
LOG MILE	LOG MILE	LOCATION	FT.	FT.	SQ. FT.	TONS	GAL	GAL		
0.018	0.023	ROUTE F	25.00	20.5	512.50	3.14		5.69	MODIFIED COLDMILLING START PROJECT ON RTE F - APPROX. 56.94 SQ. YDS.	
0.023	4.695	ROUTE F	24668.16	20.5	505697.28	3101.29	4495.09			
4.695	4.700	ROUTE F	25.00	20.5	512.50	3.14		5.69	MODIFIED COLDMILLING BEFORE INTERSECTION @ ROUTE F AND ROUTE MM - 56.94 SQ. YDS.	
4.700	4.720	ROUTE F	105.60	21	2217.60	13.60		24.64	COLDMILLING AT INTERSECTION OF ROUTE F AND ROUTE MM - 246.40 SQ.YDS.	
4.720	4.725	ROUTE F	25.00	21	525.00	3.22		5.83	MODIFIED COLDMILLING AFTER INTERSECTION @ ROUTE F AND ROUTE MM - 58.33 SQ. YDS.	
4.725	7.615	ROUTE F	15259.20	21	320443.20	1965.18	2848.38			
7.615	7.820	ROUTE F	1082.40	22	23812.80	146.04	211.67			
7.820	7.832	ROUTE F	61.48	VARIES	3870.00	23.73		43.00	RTE F AND RTE 87 INTERSECTION - 430 SQ YDS	
7.832	7.834	ROUTE F	10.00	VARIES	1242.00	7.62		13.80	MODIFIED COLDMILLING END PROJECT ON RTE F AND RTE 87 - APPROX. 138 SQ YDS	
0.018	7.834	ROUTE F	VARIES	2	3144	19.28		34.93	FIELD, PRIVATE ENTRANCES AND COUNTY RDS	
0.018	7.034	ROUTE	VARIES		3144	19.28		34.93	FIELD, FRIVATE ENTRANCES AND COUNTY RDS	
						1316.74			25% FOR IRREGULARITIES	
						105.34			2% SAFETY EDGE	
					SUB TOTAL	_	7555.14	133.58		
					TOTAL	6708.32	7688.72			
	<u> </u>		<u> </u>	<u> </u>	USE	6708.3	7689	·		

						COLDMILL	I NG		
					MODIFIED				
					COLDMILLING	COLDMILLING			
					(DEPTH	(3" THICK			
LOG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS		
					·		KEIWIKKS		
FROM	TO	LOCATION	FT	FT	SQ YDS	SQ. YDS.			
0.018	0.023	ROUTE F	25	20.5	56.94		MODIFIED COLDMILLING START PROJECT ON RTE F		
4.695	4.700	ROUTE F	25	20.5	56.94		MODIFIED COLDMILLING BEFORE INTERSECTION @ ROUTE F AND ROUTE MM		
4.700	4.720	ROUTE F	105.6	21		246.40	COLDMILLING AT INTERSECTION OF ROUTE F AND ROUTE MM		
4.720	4.725	ROUTE F	25	21	58.33		MODIFIED COLDMILLING AFTER INTERSECTION @ ROUTE F AND ROUTE MM		
7.832	7.834	ROUTE F	10	VARIES	138.00		MODIFIED COLDMILLING END PROJECT ON RTE F AT RTE 87		
	·	·	·	TOTAL	310.2	246.4			
				USE	310	246			



TEMPORARY TRAFFIC CONTROL								
				TOTAL	SIGN			
	SIZE	AREA	QTY	AREA	NUM.			
SIGN	IN.	SQ FT	EACH	SQ.FT.		DESCRIPTION		
CONSTRUCTION	SIGNS			•	•			
GO20 - 1	60X24	10.00	2	20	1	ROAD WORK NEXT 8 MILES		
WO20-1	48X48	16.00	9	144	2	ROAD WORK AHEAD		
WO20-4	48X48	16.00	9	144	7	ONE LANE ROAD AHEAD		
WO20-7a	48X48	16.00	9	144	8	FLAGGER (SYMBOL, WITH FLAGS)		
W03-4	48X48	16.00	5	80	11	BE PREPARED TO STOP		
GO20-2	48X24	8.00	2	16	26	END ROAD WORK		
WO8 - 12	48X48	16.00	10	160	35	NO CENTER LINE		
GO20-4	36X18	4.50	1	4.5	53	PILOT CAR FOLLOW ME		
WO8 - 11	48X48	16.00	18	288	36	UNEVEN LANES		
GO20 - 4a	42X30	8.75	1	8.75	58	PILOT CAR IN USE WAIT & FOLLOW		
GO20 - 4a	18X12	1.50	8	12	58	PILOT CAR IN USE WAIT & FOLLOW		
CONST - 8	48X36	12.00	2	24	59	WORK ZONE NO PHONE ZONE		
GO22 - 1	21X15	2.19	4	8.76		WET PAINT (ARROW PIVOTS)		
	CONSTRU	CTION SIG	NS TOTAL	1054.01				
ADDITIONAL TR	AFFIC C	CONTROL	ITEMS					
		6	16-10.25	302	CHANNEL I	ZERS (TRIM-LINE)		
		6	19-1098A	2 *	CHANGEAE	BLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE		
					CONTRACT	OR FURNISHED, CONTRACTOR RETAINED		
TEMPODARY	DAEEIC	CONTROL	TOTAL	1 LUMD	CLIM			
TEMPORARY TRAFFIC CONTROL TOTAL 1 LUMP SUM								

* NOT INCLUDED IN LUMP SUM TRAFFIC CONTROL

NOTE: ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, LUMP SUM TEMPORARY TRAFFIC CONTROL, UNLESS OTHERWISE NOTED IN THE PLANS. THE QUANTITIES SHOWN ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED UPON FIELD CONDITIONS AND CONTRACTOR'S OPERATIONS.

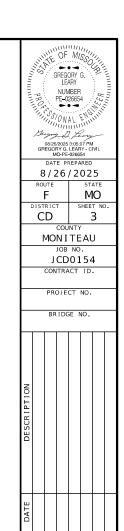
NO DIRECT PAY WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES.

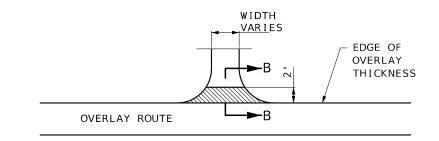
		GRAVEL (,	A) OR CRUSHED	STONE (B)
			GRAVEL (A)	
			OR CRUSHED	
LOG MILE	LOG MILE		STONE (B)	REMARKS
FROM	ТО	LOCATION	TONS	
0.018	7.834	ROUTE F	360.00	GRAVEL ENTRANCES WITHIN OVERLAY LIMITS
		TOTAL	360.0	
		USE	360	

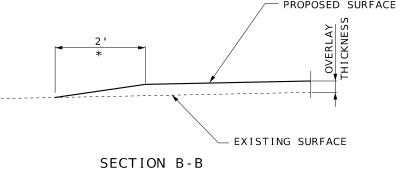
PERMANENT PAVEMENT MARKING								
CLASS 1 HIGH BUILD PAINT TYPE P BEADS								
APPROX.	APPROX.		LENGTH	4" SOLID YELLOW	4" SOLID WHITE	1		
LOG MILE	LOG MILE	LOCATION	FT	LF	LF	REMARKS		
0.018	7.834	ROUTE F	41268.48	82536.96	82536.96			
			TOTAL	82536.96	82536.96			
USE 82537 82537								
NOTE: ALL PAVEMENT MARKING TO MATCH EXISTING UNLESS								
THERWISE SHO	WN IN THE PLAI	NS. LOCATE BE	FORE RESURFACI	NG.				

MOBILIZATION
1 LUMP SUM

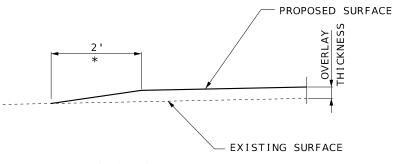
PATCHING D	PATCHING DAMAGED PAVEMENT								
	REMOVAL OF	REPLACEMENT OF							
	DAMAGED	DAMAGED							
	PAVEMENT	PAVEMENT							
LOCATION	SY	TON							
ROUTE F	300	47.7							
TOTAL	300	47.7							
USE	300	47.7							







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



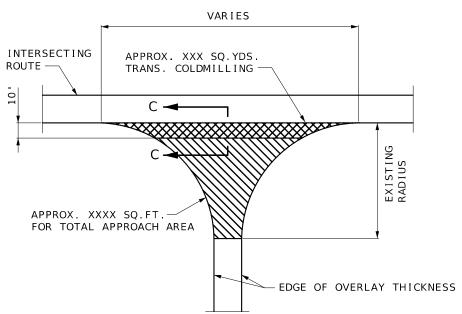
DEPTH TRANSISTIONS BEGINNING AND END OF PROJECT AT INTERSECTING ROUTE VARIES

EXISTING PAVEMENT

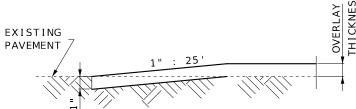
INTERSECTING ROUTE

10'

SECTION C-C



BEGINNING AND END OF PROJECT AT INTERSECTING ROUTE



TRAVELWAY DEPTH TRANSITIONS BEGINNING AND END OF PROJECT NOT AT INTERSECTING ROUTE AND AT EXCEPTIONS



8/12/2025

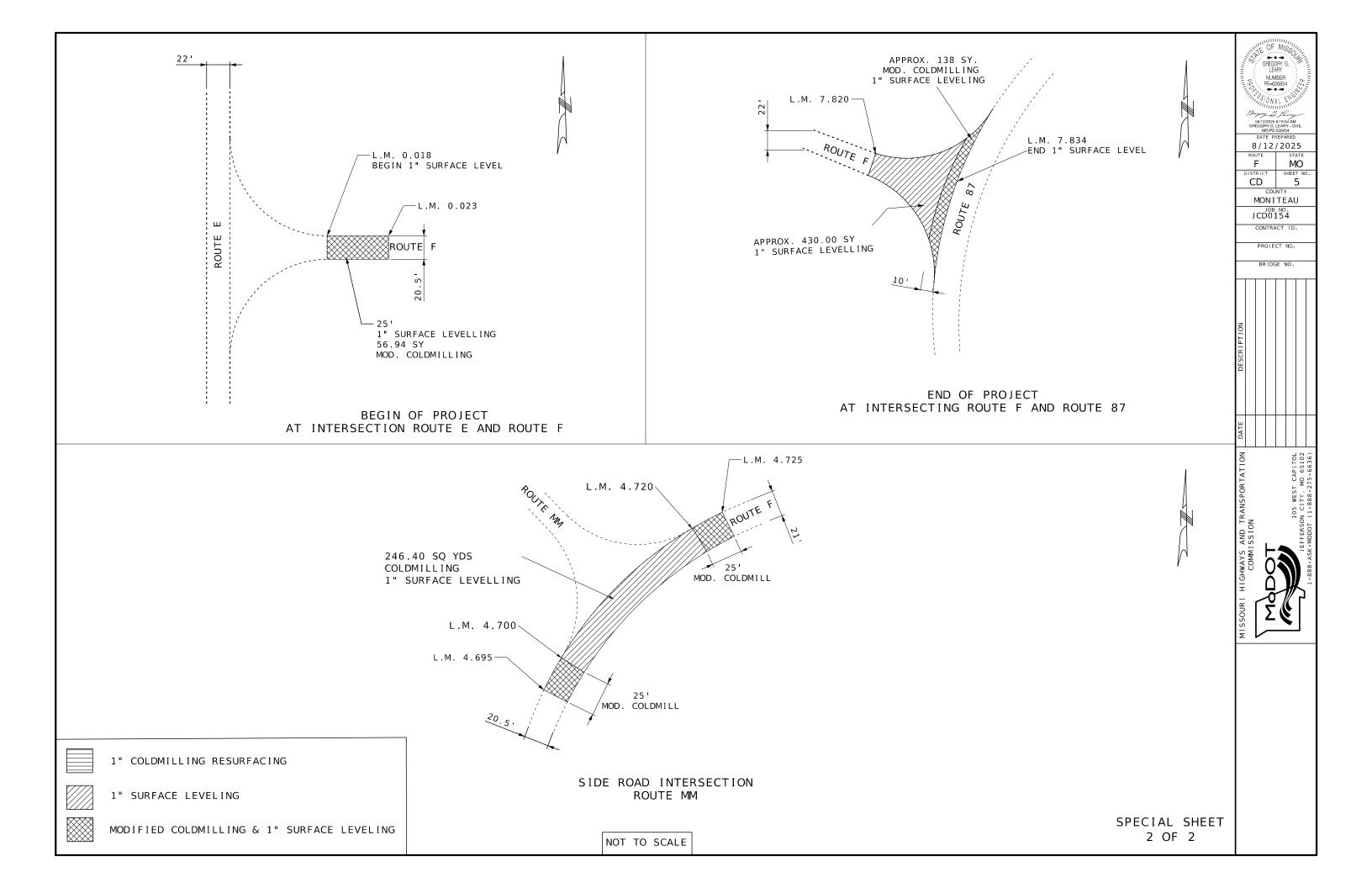
MONITEAU JOB NO.
JCD0154 CONTRACT ID. PROJECT NO. BRIDGE NO.

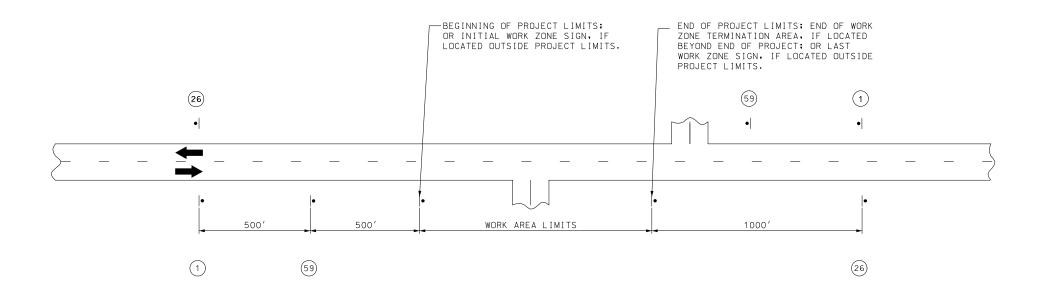
MO

4

ROUTE **F**

CD

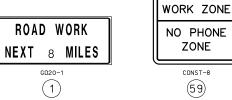




SIGN (1) AND (26) ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

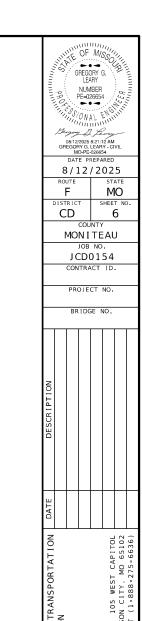


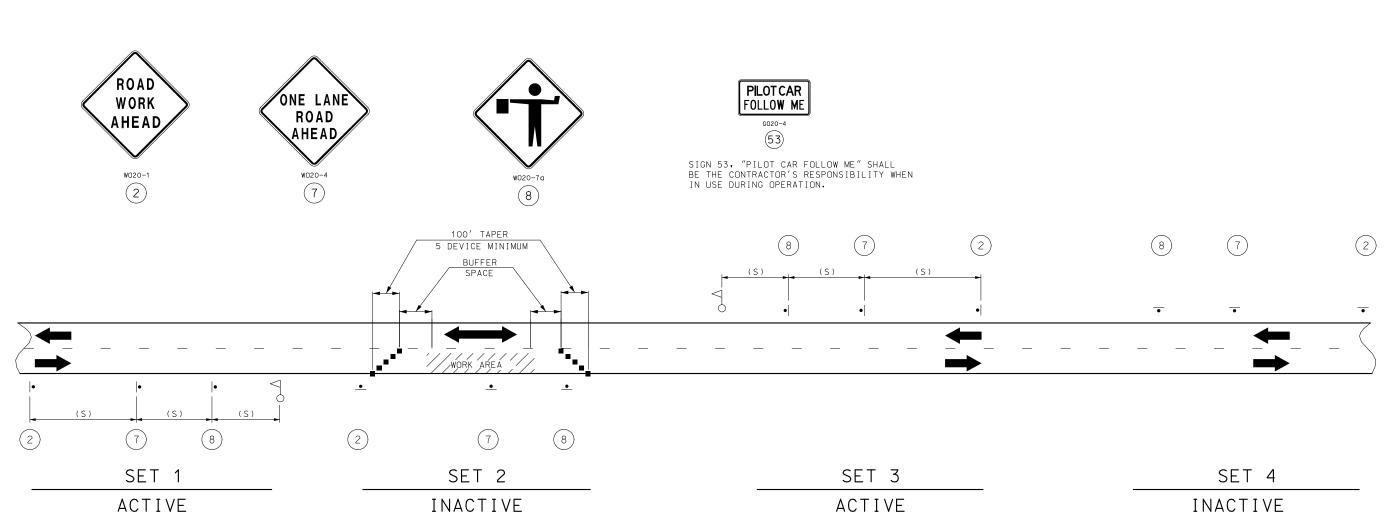
ROAD WORK

END

G020-2

26)





THIS PLAN IS FOR DAYLIGHT FLAGGING OPERATIONS ONLY. WHEN NIGHT WORK IS REQUIRED, OR OTHERWISE ALLOWED BY THE ENGINEER, WORK ZONE LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH SEC 616.5.2.

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.

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

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

- CHANNELIZERS

- FLAGGER

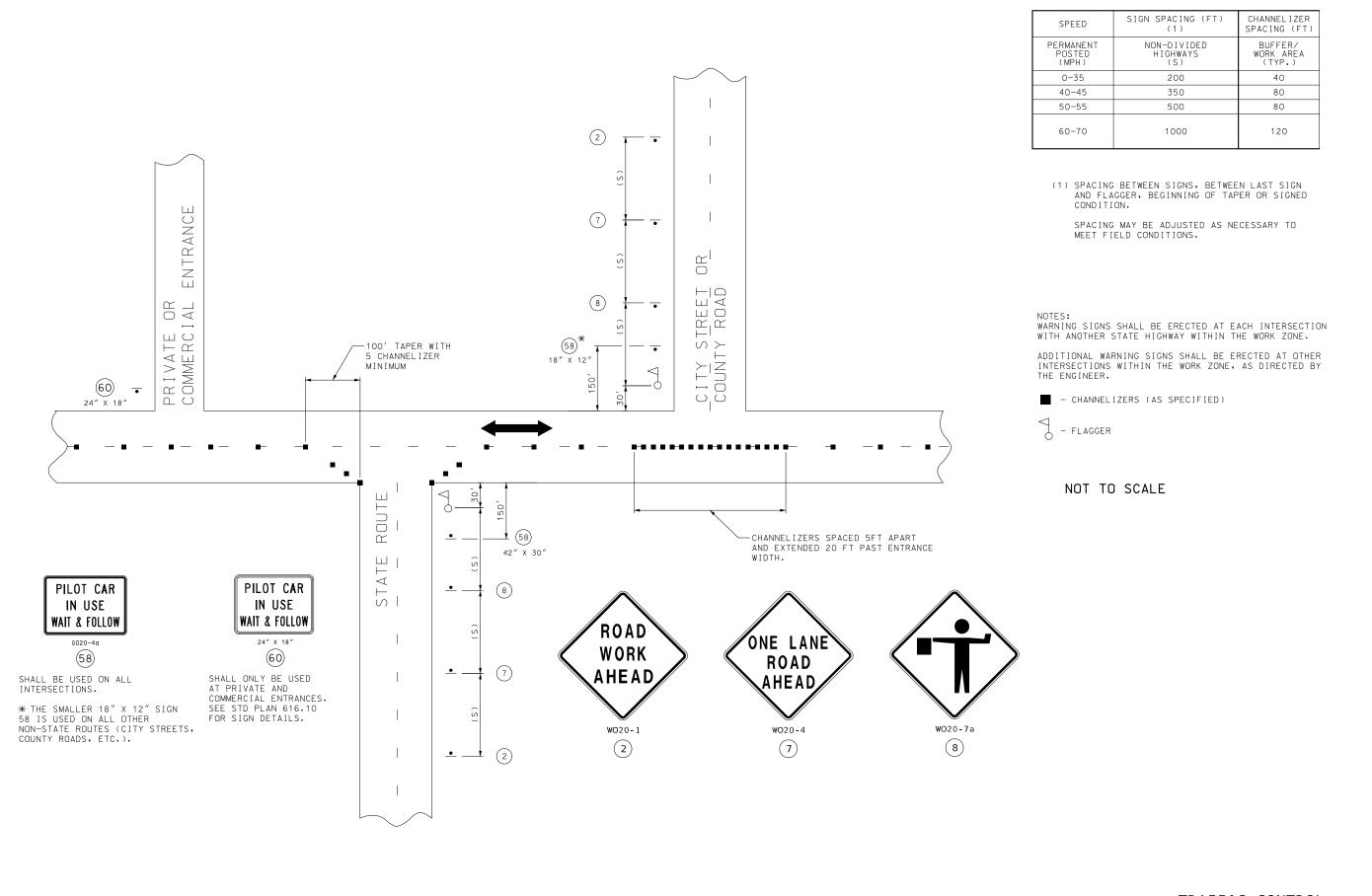
SPEED	SIGN SPACING (FT) (1)	BUFFER SPACE
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	LENGTH (FT)
0-35	200	250
40-45	350	360
50-55	500	495
60-70	1000	730

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TRAFFIC CONTROL SHEET 2 OF 5

GREGORY G. LEARY NUMBER PE-026654 PE-UL OR/12/2025 8:20:46 AM
GREGORY CIVIL
MO-PE-026654
DATE PREPARED 8/12/2025 F MO SHEET NO 7 CD MONITEAU JCD0154 CONTRACT ID. PROJECT NO. BRIDGE NO.



SIDE ROADS ENTERING WORK ZONES

GREGORY G.
LEARY
NUMBER
PE-028654

Megony D. Ferry
08:12:72025 8:20:55 AM
GREGORY G. LEARY - CIVIL
MO-PE-026654
DATE PREPARED

8/12/2025

ROUTE STATE
F MO
DISTRICT SHEET NO.
COUNTY

MONITEAU

JOB NO.

JCD0154

CONTRACT ID.

PROJECT NO.

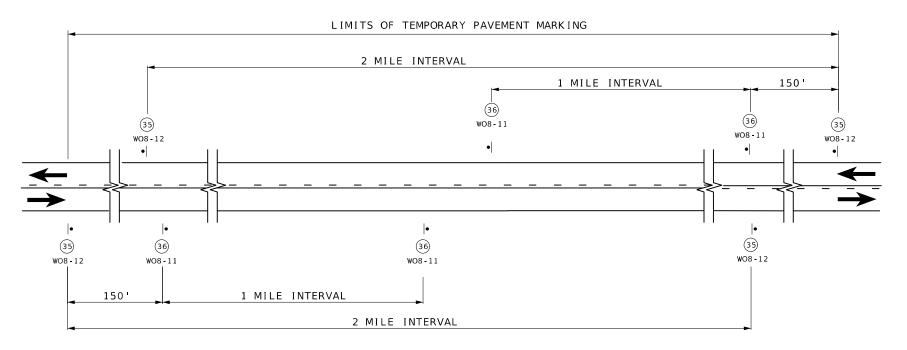
BRIDGE NO.

DATE DESCRIPTION

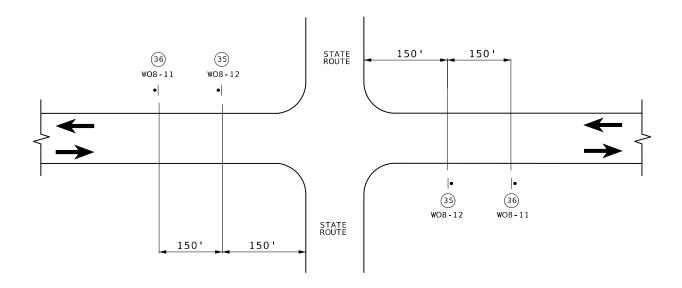
SOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MODOT

105 WEST CAPITOL
LIFFERSON CITY, MO 65102

TRAFFIC CONTROL SHEET 3 OF 5



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE





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

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

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

GREGORY G LEARY NUMBER PE-026654 8/12/2025 F MO CD 9 MONITEAU JCD0154 CONTRACT ID. PROJECT NO. BRIDGE NO.

TRAFFIC CONTROL SHEET 4 OF 5

