DESIGN DESIGNATION

ROUTE F A.A.D.T. - 2023 = 717 T = 10.7% FUNCTIONAL CLASSIFICATION- MINOR COLLECTOR

ROUTE T A.A.D.T. - 2023 = 183 T = 10.3% FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

ROUTE EE A.A.D.T. - 2023 = 229 T = 6.6% FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

ROUTE AA A.A.D.T. - 2023 = 123 T = 9.8% FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

ROUTE A A.A.D.T. - 2023 = 462 T = 11.3% FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

LOCATION OF BOONE, HOWARD, AND RANDOLPH COUNTY

NO NEW R/W TO BE ACOUIRED

CONVENTIONAL SYMBOLS

(USED IN PLANS) EXISTING NEW BUILDINGS AND STRUCTURES ニュニコ GUARD RAIL 0000 •••• GUARD CARLE 0000 ---CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER \circ UTILITIES FIBER OPTICS - FO--F0- OVERHEAD CABLE TV -OTV--OTV- UNDERGROUND CABLE TV OVERHEAD TELEPHONE -UTV-- OT --UTV--OT-- UT -- OE -- UE -- SS -UNDERGROUND TELEPHONE UT OVERHEAD POWER -OE UNDERGROUND POWER -UE-SANITARY SEWER STORM SEWER -eWATER SAN HYD WV WM MANHOLE FIRE HYDRANT WATER VALVE WATER METER DROP INLET DITCH BLOCK = GROUND MOUNTED SIGN LIGHT POLE H-FRAME POWER POLE

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

TELEPHONE PEDESTAL

FENCE CHAIN LINK WOVEN WIRE GATE POST

BENCHMARK

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

BOONE, HOWARD, AND RANDOLPH 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) (1 SHEET)	2
QUANTITIES (QU) (6 SHEETS)	3
SPECIAL SHEETS (SS)	4 - 10
TRAFFIC CONTROL SHEETS (TC)	11-15
SIGNING (SN)	16-17

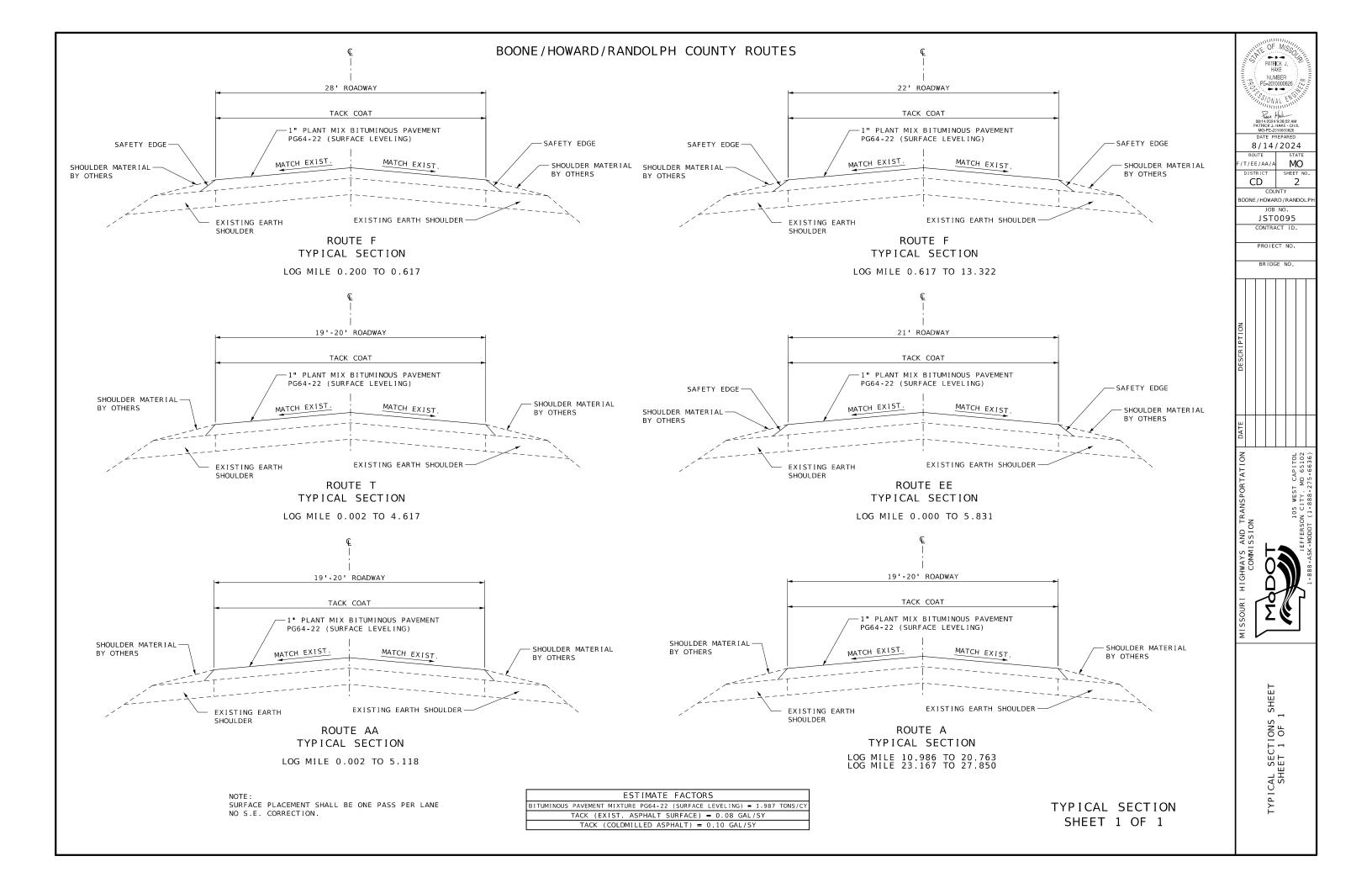
PE-201 PE-201 PE-201 PE-201 PATRICK J. MO-PE-2C	PATFICK J. HAKE NUMBER PE-2010000826 Jackson Jattime) PATFICK J. HAKE NUMBER PE-2010000826 JATTIME) PATFICK J. HAKE NUMBER PE-2010000826 DATE PREPARED DATE PREPARED								
	DATE PREPARED 7 / 29 / 2024								
.,	ROUTE STATE								
	STATE								
	STATE MO								
ROUTE									
ROUTE F/T/EE/AA/A	MO								
ROUTE F/T/EE/AA/A DISTRICT CD	MO SHEET NO.								
ROUTE F/T/EE/AA/A DISTRICT CD COU	MO SHEET NO.								
ROUTE F/T/EE/AA/A DISTRICT CD COU BOONE/HOWAI	MO SHEET NO. 1 NTY RD/RANDOLPH NO.								
ROUTE F/T/EE/AA/A DISTRICT CD COU BOONE/HOWAI	MO SHEET NO. 1 NTY RD/RANDOLPH								
ROUTE F/T/EE/AA/A DISTRICT CD COU BOONE/HOWAI	MO SHEET NO. 1 NTY RD/RANDOLPH NO.								

LENGTH OF PROJECT

22.10111 01 1110	,,_0.	Н
RTE. F (BOONE COUNTY)		
BEGINNING OF PROJECT	L.M. 0.200	
END OF PROJECT	L.M. 13.322	
APPARENT LENGTH	69284.16 FEET	
EQUATIONS AND EXCEPTIONS:		_
STATE BRIDGE P0383		[2
BEGINNING	L.M. 7.861	[-
END	L.M. 7.890	SCR
STATE BRIDGE A9116		ä
BEGINNING	L.M. 11.108	
END	L.M. 11.128	
RTE. T (RANDOLPH COUNTY)		
BEGINNING OF PROJECT	L.M. 0.002	L.
END OF PROJECT	L.M. 4.617	A
APPARENT LENGTH	24367.20 FEET	_
EQUATIONS AND EXCEPTIONS:		Z
STATE BRIDGE N0535		
BEGINNING	L.M. 2.070	Š
END	L.M. 2.089	2
RTE. EE (HOWARD COUNTY)		2
BEGINNING OF PROJECT	L.M. 0.000	{
END OF PROJECT	L.M. 5.831	
APPARENT LENGTH	30787.68 FEET	2
EQUATIONS AND EXCEPTIONS:		ر
STATE BRIDGE A1864		>
BEGINNING	L.M. 3.796	ĺ
END	L.M. 3.822]
RTE. AA (HOWARD COUNTY)		NOITATACASNA OT ANA SVAWHELL I GLOSS
BEGINNING OF PROJECT	L.M. 0.002	1
END OF PROJECT	L.M. 5.118	Ú
APPARENT LENGTH	27012.48 FEET	Ξ
RTE. A (HOWARD COUNTY)		r
BEGINNING OF PROJECT	L.M. 10.986	
END OF PROJECT	L.M. 27.850	
APPARENT LENGTH	89094.72 FEET	
EQUATIONS AND EXCEPTIONS:		ı
ROUTE 124 EXCEPTION		
BEGINNING	L.M. 20.763	
END	L.M. 23.167	ı
STATE BRIDGE X0469		
BEGINNING	L.M. 25.963	
END	L.M. 25.988	
TOTAL CORRECTIONS	13321.44 FEET	
NET LENGTH OF PROJECT	227224.80 FEET	
STATE LENGTH	43.035 MILES	1
		ı

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES

0 ACRES



		REMOVAL OF IMPROVEMENTS		
APPROX				
LOG MILE	LOCATION	ITEM	QTY	REMARKS
2.046	ROUTE T - RT	GUARDRAIL WITH BRIDGE ATTACHMENT	128 LF	STATE BRIDGE N0535
2.046	ROUTE T - LT	GUARDRAIL WITH BRIDGE ATTACHMENT	128 LF	STATE BRIDGE N0535
2.089	ROUTE T - RT	GUARDRAIL WITH BRIDGE ATTACHMENT	124 LF	STATE BRIDGE N0535
2.089	ROUTE T - LT	GUARDRAIL WITH BRIDGE ATTACHMENT	124 LF	STATE BRIDGE N0535
5.345	ROUTE F	OBJECT MARKER AND POST	4 EA	STATE BRIDGE R0256
2.070	ROUTE T	OBJECT MARKER AND POST	4 EA	STATE BRIDGE N0535
		TOTA	L 1 LUMP SUM	

						BITUMIN	NOUS SURF	FACE LEVELING - ROUTE F
						SURFACE	TACK	
06 MILE			LENGTH	WIDTH	1 ,55	LEVELING	TACK	DEMOVS
	LOG_MILE	LOCATION	LENGTH		AREA	PG 64-22	COAT	REMARKS
FROM 0.200	TO 0.202	LOCATION ROUTE F	FT. VARIES	FT. 28	SQ FT 736 02	TONS 4.51	GAL 8.18	START OF PROJECT RTE F - APPROX. 81.78 SO. YDS.
0.200	0.202	ROUTE F	2191.2	28	61353.6	376.26	545.37	START OF PROJECT RIE F - APPROX. 81.78 SQ. YDS.
0.202	5.340	ROUTE F	24937.44	22	548623.68		4876.65	
5.340	5.340	ROUTE F	VARIES	22	580.5	3.56	6 45	MODIFIED COLDMILLING BEFORE BRIDGE - AVG. LENGTH 26.386 FT APPROX. 64.50 SO. YDS.
5.340	5.345	ROUTE F	102	22	2135.07	13.09	23.72	MILL/FILL THROUGH STATE BRIDGE R0256 - APPROX. 237.23 SQ. YDS.
5.345	5.364	ROUTE F	VARIES	22	580.5	3.56	6.45	MODIFIED COLDMILLING AFTER BRIDGE - AVG. LENGTH 26.386 FT APPROX. 64.50 SQ. YDS.
	7.856	ROUTE F	13131.36	22			6.45 2567.91	MODIFIED COLUMILLING AFIEK BRIDGE - AVG. LENGTH 26.386 FT APPROX. 64.50 SQ. YDS.
5.369				22	288889.92 712.98	4.37		MODIFIED COLDMILLING DEFORE DUDGE EVERTION. AND LENGTH 22 AND ET. ADDROV. TO 22 CO. VDC
7.856	7.861	ROUTE F	VARIES		/12.98	4.37	7.92	MODIFIED COLDMILLING BEFORE BRIDGE EXCEPTION - AVG. LENGTH 32.407 FT APPROX. 79.22 SQ. YDS.
7.861	7.890	ROUTE F	153.12	22	712.00	4 27	7.00	STATE BRIDGE P0383 EXCEPTION
7.890	7.895	ROUTE F	VARIES	22	712.98	4.37	7.92	MODIFIED COLDMILLING AFTER BRIDGE EXCEPTION - AVG. LENGTH 32.407 FT APPROX. 79.22 SQ. YDS.
7.895	11.103	ROUTE F	16938.24	22	372641.28		3312.37	MONTHER COLDANIA INC. SECOND DATES OF SUPERIOR AND A SUPERIOR OF SUPERIOR S
11.103	11.108	ROUTE F	VARIES	22	605.52	3.71	6.73	MODIFIED COLDMILLING BEFORE BRIDGE EXCEPTION - AVG. LENGTH 27.523 FT APPROX. 67.28 SQ. YDS.
11.108	11.128	ROUTE F	105.6	22				STATE BRIDGE A9116 EXCEPTION
11.128	11.133	ROUTE F	VARIES	22	605.52	3.71	6.73	MODIFIED COLDMILLING AFTER BRIDGE EXCEPTION - AVG. LENGTH 27.523 FT APPROX. 67.28 SQ. YDS.
11.133	13.307	ROUTE F	11478.72	22	252531.84		2244.73	
13.307	13.322	ROUTE F	79.2	VARIES	4075.56	24.99	45.28	END OF PROJECT RTE F - APPROX. 452.84 SQ. YDS.
IDE ROA	DS AND ENT	TRANCES						
2.904	2.904	ROUTE F	VARIES	VARIES	914.76	5.61	10.16	RTE F AND BOONE RD. INTERSECTION - APPROX. 101.64 SQ. YDS.
0.200	13.322	ROUTE F	210	2	420	2.58	4.67	PRIVATE ENTRANCES
				_				
						2355.13		25% FOR IRREGULARITIES
						188.41		2% SAFETY EDGE
			SUB	TOTAL -	ROUTE F	11964.06	13681.24	
					USF	11964.1		

F/T/EE/AA/A MO

DISTRICT SHEET NO.

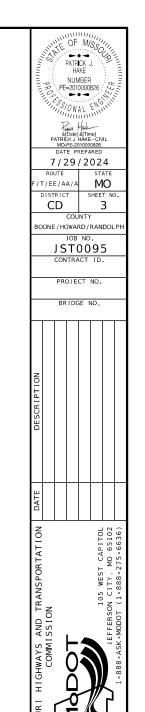
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COUNTY COUNTY
BOONE/HOWARD/RANDOLPH
JOB NO.
JST0095
CONTRACT ID. PROJECT NO.

> QUANTITY SHEET SHEET 1 OF 6

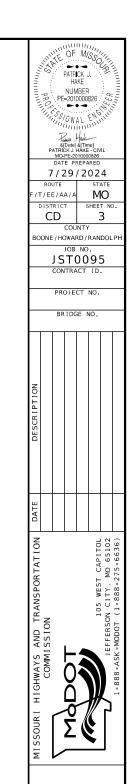
						BITUMIN	OUS SUR	RFACE LEVELING - ROUTE T
						SURFACE LEVELING	TACK	
	LOG MILE		LENGTH	WIDTH	AREA	PG 64-22	COAT	REMARKS
FROM	TO	LOCATION	FT.	FT.	SQ. FT.	TONS	GAL	
0.002	0.025	ROUTE T	121.44	VARIES	6939.99	42.56	77.11	START OF PROJECT RTE T - APPROX. 771.11 SQ. YDS.
0.025	2.065	ROUTE T	10771.2	20	215424	1321.13	1914.88	
2.065	2.070	ROUTE T	25	20	500	3.07	5.56	MODIFIED COLDMILLING BEFORE BRIDGE EXCEPTION - APPROX. 55.56 SQ. YDS.
2.070	2.089	ROUTE T	104	22				STATE BRIDGE N0535 EXCEPTION
2.089	2.094	ROUTE T	25	20	500	3.07	5.56	MODIFIED COLDMILLING AFTER BRIDGE EXCEPTION - APPROX. 55.56 SQ. YDS.
2.094	4.600	ROUTE T	13231.68	20	264633.6	1622.92	2352.30	
4.600	4.617	ROUTE T	89.76	VARIES	5267.43	32.30	58.53	END OF PROJECT RTE T - APPROX. 585.27 SQ. YDS.
SIDE ROAL	DS AND EN	TRANCES						
4.615	4.615	ROUTE T	VARIES	VARIES	1098.9	6.74	12.21	RTE T AND THORNHILL RD INTERSECTION - APPROX. 122.10 SQ. YDS.
						757.95		25% FOR IRREGULARITIES
	1		SUB	TOTAL -	ROUTE T	3789.74	4426.15	
					USE	3789.7		

						BITUMIN	OUS SURI	FACE LEVELING - ROUTE EE
						CUR E A CE		
						SURFACE LEVELING	_{TACK}	
LOG MILE	LOG MILE		LENGTH	WIDTH	AREA	PG 64-22	COAT	REMARKS
FROM	то	LOCATION	FT.	FT.	SQ. FT.	TONS	GAL	
0.000	3.791	ROUTE EE	20016.48	21	420346.08	2577.85	3736.41	START OF PROJECT RTE EE
3.791	3.796	ROUTE EE	VARIES	21	538.02	3.30	5.98	MODIFIED COLDMILLING BEFORE BRIDGE EXCEPTION - AVG. LENGTH 25.619 FT APPROX. 59.78 SQ. YDS.
3.796	3.822	ROUTE EE	137.28	21				STATE BRIDGE A1864 EXCEPTION
3.822	3.827	ROUTE EE	VARIES	21	538.02	3.30	5.98	MODIFIED COLDMILLING AFTER BRIDGE EXCEPTION - AVG. LENGTH 25.619 FT APPROX. 59.78 SQ. YDS.
3.827	5.813	ROUTE EE	10486.08	21	220207.68	1350.47	1957.40	
5.813	5.831	ROUTE EE	95.04	VARIES	5224.32	32.04	58.05	END OF PROJECT RTE EE - APPROX. 580.48 SQ. YDS.
SIDE ROAL	DS AND EN	TRANCES						
0.000	0.000	ROUTE EE	VARIES	VARIES	6485.31	39.77	72.06	RTE EE AND RTE W INTERSECTION - APPROX. 720.59 SQ. YDS.
4.490	4.490	ROUTE EE	VARIES	VARIES	498.24	3.06	5.54	RTE EE AND DRAKE LN INTERSECTION - APPROX. 55.36 SQ. YDS.
0.000	5.831	ROUTE EE	214	2	428	2.62	4.76	PRIVATE ENTRANCES
						1003.10		25% FOR IRREGULARITIES
						80.25		2% SAFETY EDGE
			SUBT	OFAL -	ROUTE EE		5846.18	
					USE	5095.8		



	BITUMINOUS SURFACE LEVELING - ROUTE AA										
						SURFACE					
						LEVELING	TACK				
LOG MILE	LOG MILE		LENGTH	WIDTH	AREA	PG 64-22	COAT	REMARKS			
FROM	то	LOCATION	FT.	FT.	SQ FT.	TONS	GAL				
0.002	0.014	ROUTE AA	63.36	VARIES	2148.3	13.17	23.87	START OF PROJECT ROUTE AA - APPROX. 238.70 SQ. YDS.			
0.014	5.107	ROUTE AA	26891.04	20	537820.8	3298.29	4780.63				
5.107	5.118	ROUTE AA	58.08	VARIES	3247.47	19.92	36.08	END OF PROJECT ROUTE AA - APPROX. 360.83 SQ. YDS.			
SIDE ROAL	DS AND EN	TRANCES									
						832.85		25% FOR IRREGULARITIES			
				•							
			SUBT	OTAL - I	ROUTE AA	4164.23	4840.58				
					USE	4164.2					

						BITUMIN	OUS SUR	FACE LEVELING - ROUTE A
LOG MILE	LOG MILE	LOCATION	LENGTH FT.	WIDTH FT.	AREA	SURFACE LEVELING PG 64-22 TONS	TACK COAT GAL	REMARKS
10.986	10.991	ROUTE A	25	20	500 04	3 07	5.56	MODIFIED COLDMILLING START OF PROJECT RTE A - APPROX. 55.56 SQ. YDS.
10.991	20.758	ROUTE A	51569.76		1031395 2		9167.96	
20.758	20.763	ROUTE A	25	20	500	3.07	5.56	MODIFIED COLDMILLING BEFORE RTE 124 INTERSECTION - APPROX. 55.56 SQ. YDS.
20.763	23.167	ROUTE A	12693.12	20				RTE 124 EXCEPTION
23.167	23.172	ROUTE A	25	20	500	3.07	5.56	MODIFIED COLDMILLING AFTER RTE 124 INTERSECTION - APPROX. 55.56 SQ. YDS.
23.172	25.958	ROUTE A	14710.08	20	294201.6	1804.25	2615.13	
25.958	25.963	ROUTE A	25	20	500	3.07	5.56	MODIFIED COLDMILLING BEFORE BRIDGE EXCEPTION - APPROX. 55.56 SQ. YDS.
25.963	25.988	ROUTE A	132	20				STATE BRIDGE X0469 EXCEPTION
25.988	25.993	ROUTE A	25	20	500	3.07	5.56	MODIFIED COLDMILLING AFTER BRIDGE EXCEPTION - APPROX. 55.56 SQ. YDS.
25.993	27.850	ROUTE A	9804.96	20	196099.2	1202.62	1743.10	END OF PROJECT RTE A
CIDE BOXE	OC AND EN	TDANCEC						
	OS AND EN		V48.55		1606.01	20.74	50.07	ATE A MID ATE O MITTERSTATION ADDRESS SO SO VIDE
12.612	12.612	ROUTE A	VARIES	VARIES	4686.21	28.74	52.07	RTE A AND RTE O INTERSECTION - APPROX. 520.69 SQ. YDS.
26.008	26.008	ROUTE A	VARIES	VARIES	2296.98	14.09	25.52	RTE A AND RTE CC INTERSECTION - APPROX. 255.22 SQ. YDS.
10.986	27.850	ROUTE A	48	2	96	0.59	1.07	PRIVATE ENTRANCES
10.986	27.830	KUUTE A	46		96	0.59	1.07	PRIVALE ENTRANCES
						2347.72		25% FOR IRREGULARITIES
						2547.72		23/3 13/1 1/11/23/24/11/123
	l		SUB	TOTAL -	ROUTE A	11738.59	13632.65	
					ROUTE F		13681 24	
					ROUTE T		4426.15	
					ROUTE EE		5846.18	
			SUBT	OTAL -	ROUTE AA		4840.58	
					TOTAL		42426.80	
					USE	11738.6	42427	
						1		



QUANTITY SHEET SHEET 3 OF 6

SUMMARY OF QUANTITIES
SHEET 3 OF 6

					COLDMILLI	NG - ROUTE	F
					MODIFIED		
					COLDMILLING	COLDMILLING	
					(DEPTH	(3" THICK	
LOG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS
FROM	ТО	LOCATION	FT	FT	SQYD	SQYD	· · - · · · · · · · -
0.200	0.205	ROUTE F	VARIES	28	81.78		START PROJECT RTE F
5.340	5.345	ROUTE F	VARIES	22	64.50		MOD COLDMILL - BRIDGE R0256 EXCEPTION
5.345	5.364	ROUTE F	102	22		237.23	MILL/FILL THROUGH BRIDGE R0256 - APPROX 237.23 SQ. YDS.
5.364	5.369	ROUTE F	VARIES	22	64.50		MOD COLDMILL - BRIDGE R0256 EXCEPTION
7.856	7.861	ROUTE F	VARIES	22	79.22		MOD COLDMILL - BRIDGE P0383 EXCEPTION
7.890	7.895	ROUTE F	VARIES	22	79.22		MOD COLDMILL - BRIDGE P0383 EXCEPTION
11.103	11.108	ROUTE F	VARIES	22	67.28		MOD COLDMILL - BRIDGE A9116 EXCEPTION
11.128	11.133	ROUTE F	VARIES	22	67.28		MOD COLDMILL - BRIDGE A9116 EXCEPTION
13.317	13.322	ROUTE F	25	VARIES	308.63		END PROJECT RTE F
SIDE ROA	DS						
2.904	2.904	ROUTE F	10	VARIES	17.76		RTE F AND BOONE RD INTERSECTION
		SUB	TOTAL -	ROUTE F	830.17	237.23	

					COLDMILLI	NG - ROUTE '	Τ
					MODIFIED		
					COLDMILLING	COLDMILLING	
					(DEPTH	(3" THICK	
LOG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS
FROM	то	LOCATION	FT	FT	SQYD	SQYD	
0.002	0.007	ROUTE T	25	VARIES	363.13		START PROJECT RTE T
2.065	2.070	ROUTE T	25	20	55.56		MOD COLDMILL - BRIDGE N0535 EXCEPTION
2.089	2.094	ROUTE T	25	20	55.56		MOD COLDMILL - BRIDGE N0535 EXCEPTION
SIDE ROAL	DS						
4.615	4.615	ROUTE T	10	VARIES	35.48		RTE T AND THORNHILL RD INTERSECTION
		SUB	ΓΟΤΑL -	ROUTE T	509.73	0	

					COLDMILLIN	IG - ROUTE E	:F
					COLDMILLIN	- 1.0012 2	
					MODIFIED		
					COLDMILLING	COLDMILLING	
					(DEPTH	(3" THICK	
LOG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS
FROM	ТО	LOCATION	FT	FT	SQYD	SQYD	
3.791	3.796	ROUTE EE	VARIES	21	59.78		MOD COLDMILL - BRIDGE A1864 EXCEPTION
3.822	3.827	ROUTE EE	VARIES	21	59.78		MOD COLDMILL - BRIDGE A1864 EXCEPTION
5.826	5.831	ROUTE EE	25	VARIES	300.29		END PROJECT RTE EE
SIDE ROAL	OS						
0.000	0.000	ROUTE EE	10	VARIES	30.20		RTE EE AND RTE W INTERSECTION
4.490	4.490	ROUTE EE	10	VARIES	25.68		RTE EE AND DRAKE LN INTERSECTION
		SUBTO	OTAL - R	OUTE EE	475.73	0	
		•					

MISSOUR HIGHWAYS AND TRANSPORTATION AT HIGHWAYS AND TRANSPORTATION AT HAKE STATE BEAUTY AND TRANSPORTATION AND THE BEAUTY AND THE BEAUTY AND THE STATE BEAUT								
TRANSPORTATION DATE DESCRIPTION DATE		ROP F/EI	PE A A RICCON	PATR HA NUM -201 -201	MEEF AL	826 826 826 0 2 ST, M SHEEE	4 ATE O T NO B DOL	
IRANSPORTATION			BR	IDO	6E 1	WO.		
IRANSPORTATION	DESCRIPTION							
IRANSPORTATION	DATE							
ı	TRANSPORTATION	COMMISSION				105 WEST CAPITOL	JEFFERSON CITY, MO 65102	1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET SHEET 4 OF 6

SUMMARY OF QUANTITIES
SHEET 4 OF 6

	COLDMILLING - ROUTE AA										
LOC MILE	LOC MILE		LENGTH	WIDTH	MODIFIED COLDMILLING (DEPTH	(3" THICK	DEMARKS				
	LOG MILE	LOCATION	LENGTH		TRANSITIONS)	OR LESS)	REMARKS				
FROM	TO	LOCATION	FT	FT	SQYD	SQYD					
0.002	0.007	ROUTE AA	25	VARIES	158.59		START PROJECT RTE AA				
5.113	5.118	ROUTE AA	25	VARIES	243.98		END PROJECT RTE AA				
SIDE ROAL	DS										
	SUBTOTAL - ROUTE AA 402.57 0										

COLDMILLING - ROUTE A											
					MODIFIED						
					COLDMILLING	COLDMILLING					
					(DEPTH	(3" THICK					
LOG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS				
FROM	ТО	LOCATION	FT	FT	SQYD	SQYD					
10.986	10.991	ROUTE A	25	20	55.56		START PROJECT RTE A				
20.758	20.763	ROUTE A	25	20	55.56		MOD COLDMILL NORTH OF RTE 124				
23.167 23.172 ROUTE A 25 20				20	55.56		MOD COLDMILL SOUTH OF RTE 124				
25.958 25.963 ROUTE A 25 20				20	55.56		MOD COLDMILL - NORTH OF BRIDGE EXCEPTION				
25.988	25.993	ROUTE A	25	20	55.56		MOD COLDMILL - SOUTH OF BRIDGE EXCEPTION				
SIDE ROA	-										
12.612	12.612	ROUTE A	10	VARIES	28.65		RTE A AND RTE O INTERSECTION				
26.008	26.008	ROUTE A	10	VARIES	23.83		RTE A AND RTE CC INTERSECTION				
		SUB1	TOTAL -	ROUTE A	330.28	0					
		SUB	TOTAL -	ROUTE F	830.17	237.23					
		SUBT	ΓΟΤΑL -	ROUTE T	509.73	0					
		SUBTO	OTAL - R	OUTE EE	475.73	0					
		SUBTO	OTAL - R	OUTE AA	402.57	0					
				TOTAL	2548.48	237.23					
				USE	2548	237					

		GRAV	EL (A), CR	USHED STONE (B)
			GRAVEL (A)	
			OR CRUSHED	
LOG MILE	LOG MILE		STONE (B)	REMARKS
FROM	TO	LOCATION	TONS	
0.200	13.322	ROUTE F	610.00	ROUTE F GRAVEL ENTRANCES WITHIN OVERLAY LIMITS
0.002	4.617	ROUTE T	185.00	ROUTE T GRAVEL ENTRANCES WITHIN OVERLAY LIMITS
0.000	5.831	ROUTE EE	260.00	ROUTE EE GRAVEL ENTRANCES WITHIN OVERLAY LIMITS
0.002	5.118	ROUTE AA	110.00	ROUTE AA GRAVEL ENTRANCES WITHIN OVERLAY LIMITS
10.986	27.850	ROUTE A	550.00	ROUTE A GRAVEL ENTRANCES WITHIN OVERLAY LIMITS
		TOTAL	1715.0	
		USE	1715	

MOBILIZATION
1 LUMP SUM

JURI HIGHWAYS AND TE COMMISSION COMMISSION TODOT JEFFERSON 1-888-ASK-MODOT

QUANTITY SHEET SHEET 5 OF 6

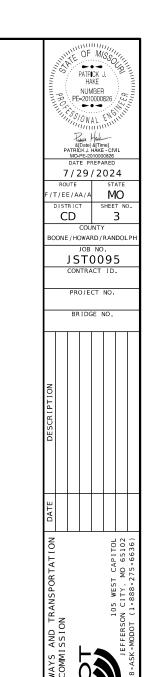
QUANTITIES

SUMMARY OF QUANTITIES
SHEET 5 OF 6

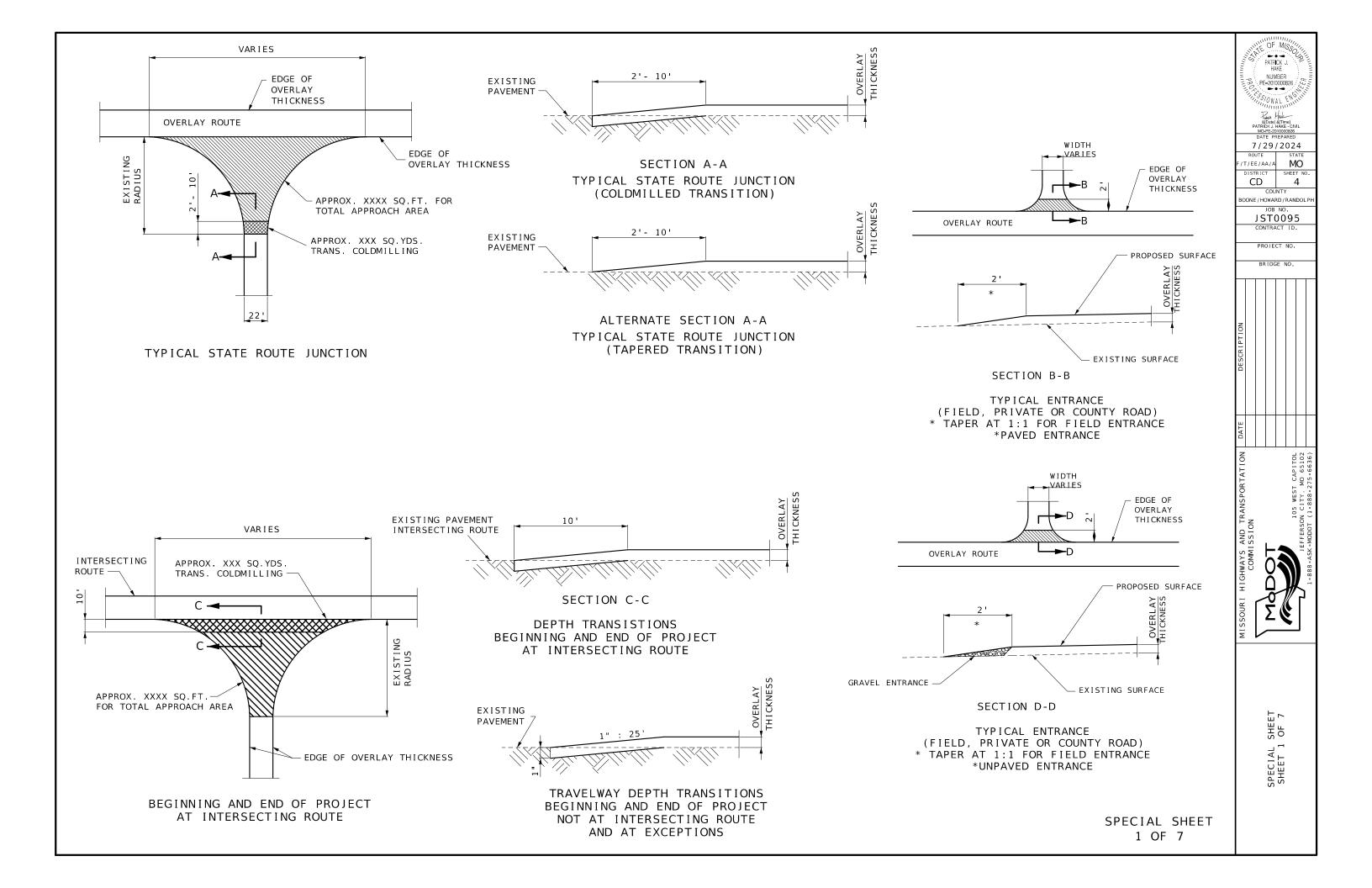
PAVEMENT MARKING										
					RBOURNE PVMT TYPE P BEADS	PREFORMED THERMOPLASTIC INTERSECTION MARKING				
LOG MILE	LOG MILE	LOCATION	LENGTH	4" YELLOW	4" WHITE	24" WHITE STOP BAR				
FROM	то		(FT)	LF	LF	LF	REMARKS			
0.200	5.618	ROUTE F	28607	57214.0	57214.0		ROUTE F NORTH OF ROUTE T			
5.618	13.322	ROUTE F	40677	81354.0			ROUTE F SOUTH OF ROUTE T			
0.002	4.617	ROUTE T	24367	48734.0			ROUTE T PROJECT LIMITS			
4.616	4.616	ROUTE T				18.0	STOP BAR AT RTE F INTERSECTION			
0.000	5.831	ROUTE EE	30788	61576.0	61576.0		ROUTE EE PROJECT LIMITS			
0.002	5.118	ROUTE AA	27012	54024 0			DOUTE AA DROJECT J. IMITO			
0.002	5.118	ROUTE AA	27012	54024.0			ROUTE AA PROJECT LIMITS			
10.986	20.763	ROUTE A	51623	103246.0	103246.0		ROUTE A NORTH OF ROUTE 124			
23.167	27.85	ROUTE A	24726	49452.0			ROUTE A SOUTH OF ROUTE 124			
			TOTAL	455600.0	222036.0	18.0				
			USE	455600	222036	18				

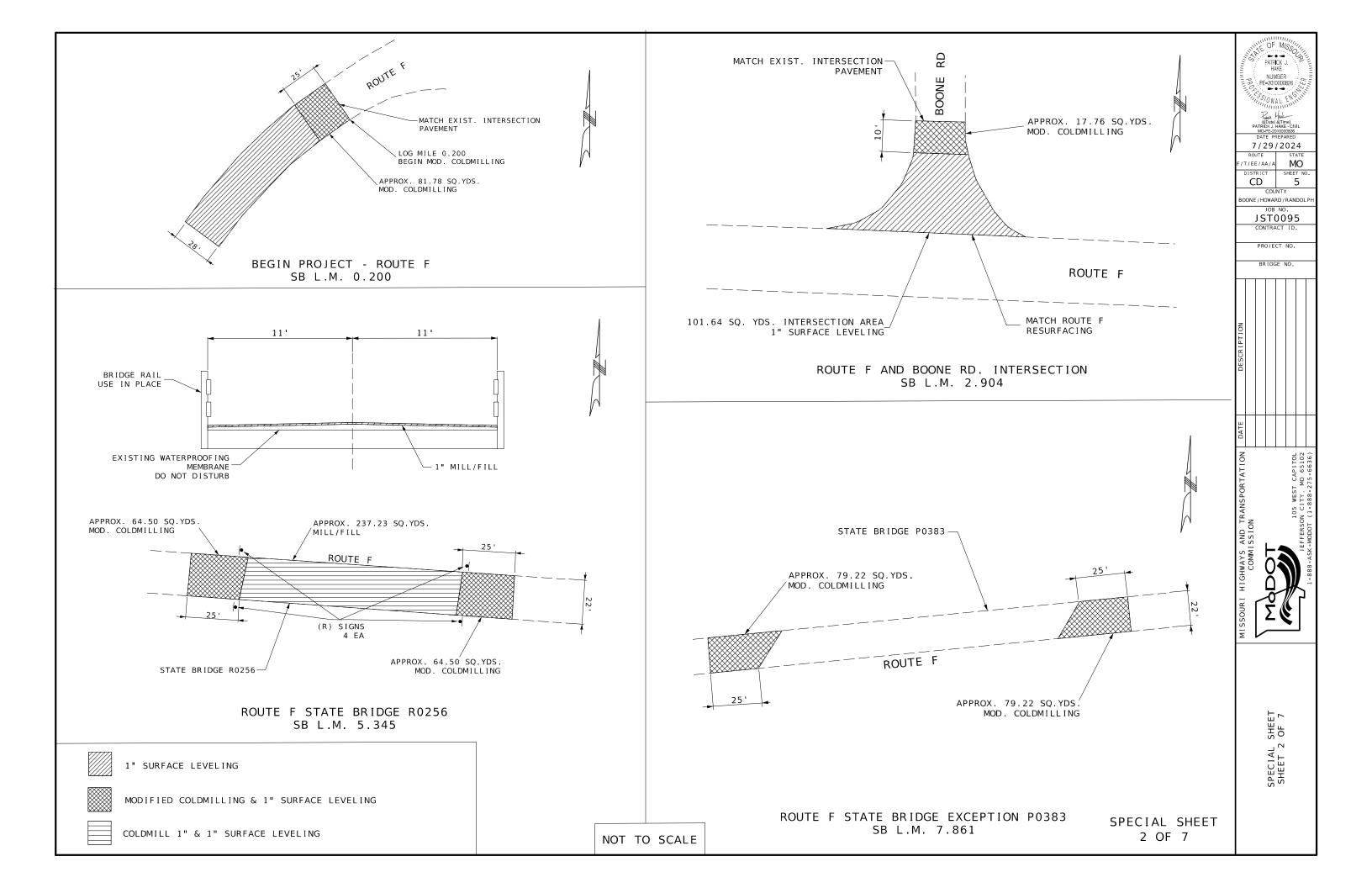
		CON	STRUCTI	ON SIGNI	NG (VAI	RIES)				
				TOTAL	SIGN					
	SIZE	AREA	QTY	AREA	NUM.					
SIGN	IN.	SQ.FT.	EACH	SQ FT						
	WA	RNING SIC	SNS			DESCRIPTION				
WO8 - 11	48X48	16	88	1408	36	UNEVEN LANES				
WO8 - 12	48X48	16	48	768	35	NO CENTER LINE				
WO20-1	48X48	16	8	128	2	ROAD WORK AHEAD				
WO20-4	48X48	16	5	80	7	ONE LANE ROAD AHEAD				
WO20-7a	48X48	16	8	128	8	FLAGGER (SYMBOL, WITH FLAGS)				
W03-4	48X48	16	4	64	11	BE PREPARED TO STOP				
GO22-1	21X15	2.19	2	4.38		WET PAINT (ARROW PIVOTS)				
	G	UIDE SIGN	IS							
GO20-1	60X24	10	12	120	1	ROAD WORK NEXT XX MILES 2@13, 2@10, 2@6, 6@				
GO20 - 2	48X24	8	12	96	26	END ROAD WORK				
GO20 - 4	36X18	4.5	1	4.5	53	PILOT CAR FOLLOW ME				
GO20 - 4a	42X30	8.75	1	8.75	58	PILOT CAR IN USE WAIT & FOLLOW				
GO20 - 4a	18X12	1.5	3	4.5	58	PILOT CAR IN USE WAIT & FOLLOW				
	MISCE	LLANEOUS	SIGNS							
CONST-8	48X36	12	12	144	59	WORK ZONE NO PHONE ZONE				
	616.10.05									
CONS	TRUCTION SIGN	S TOTAL		2959						

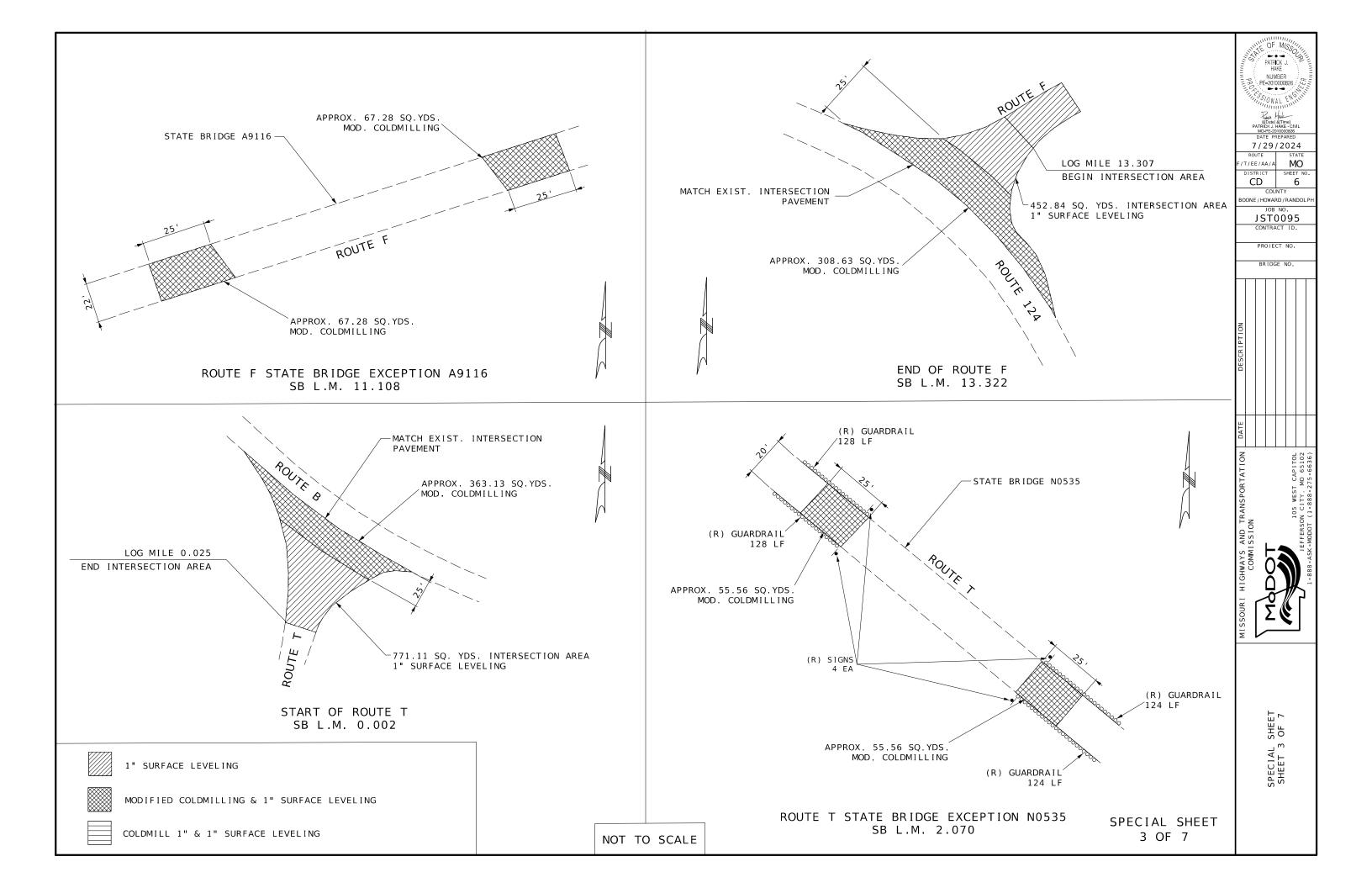
		ADDITIONAL CONSTRUCTION ITEMS
ITEM		
ITEM	OLIANTITY	DESCRIPTION
NO.	QUANTITY	DESCRIPTION
616-10.25	162	CHANNELIZERS (TRIM-LINE)
616-1098A	6	"CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED."

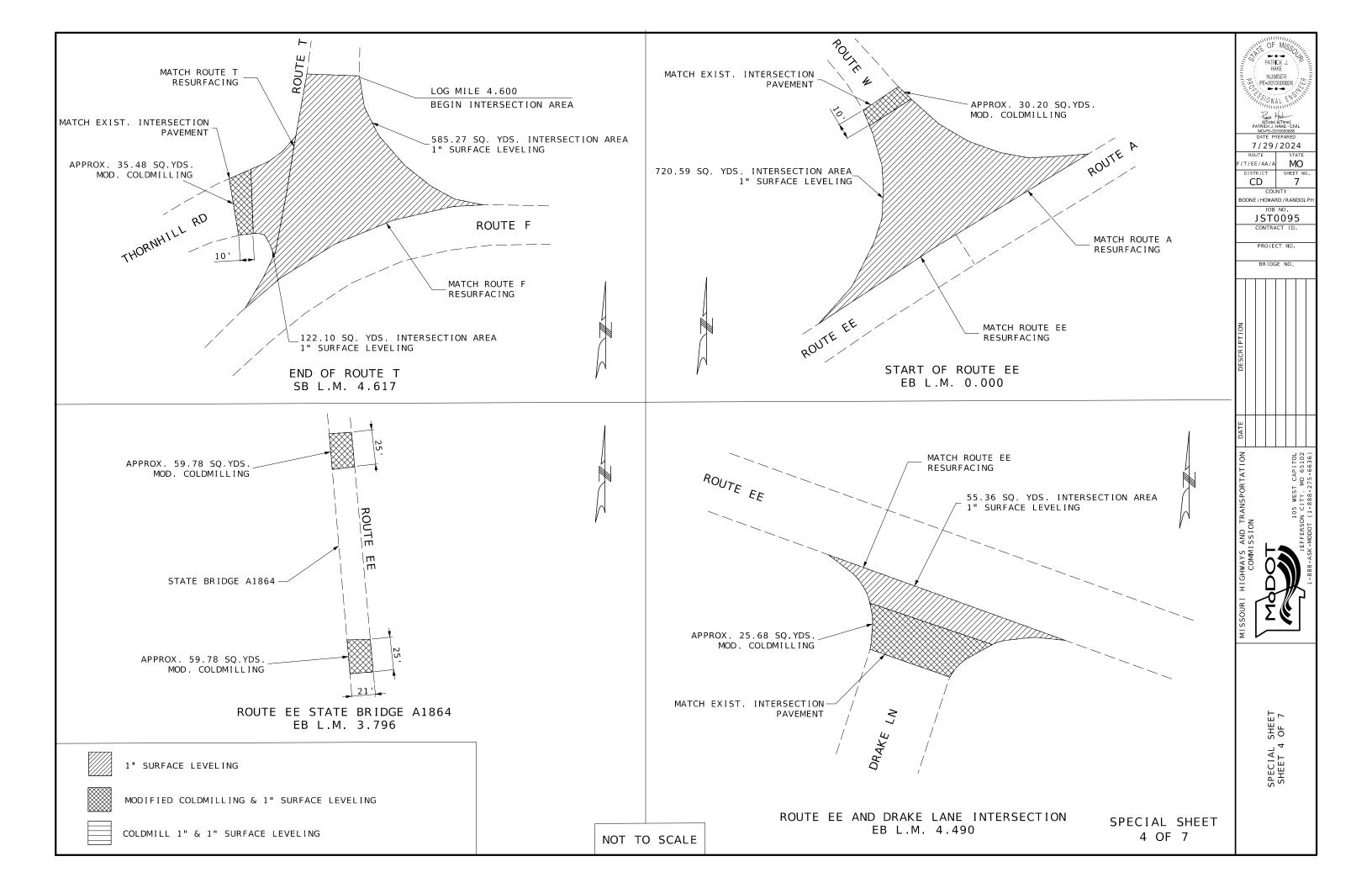


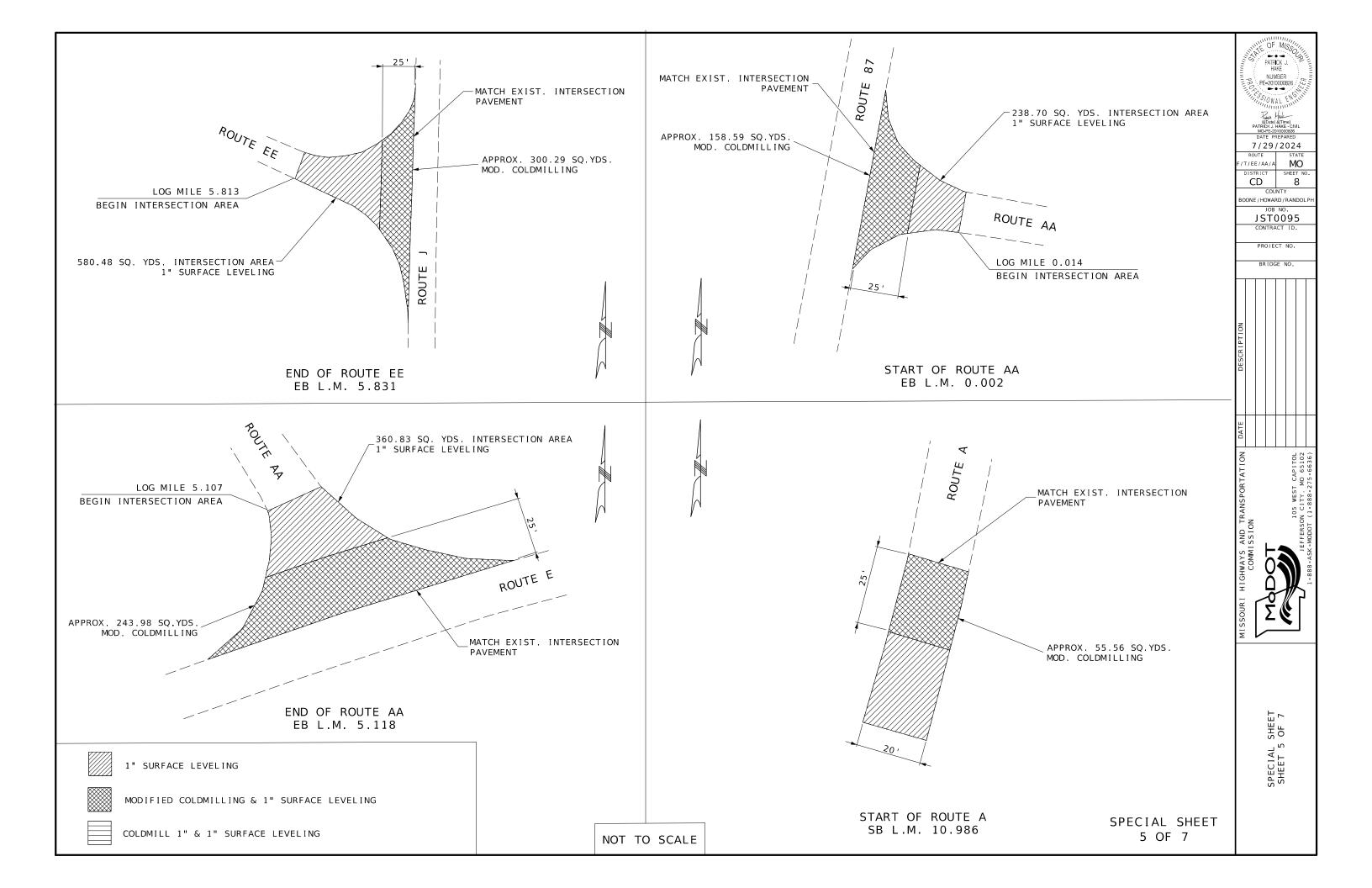
QUANTITY SHEET SHEET 6 OF 6

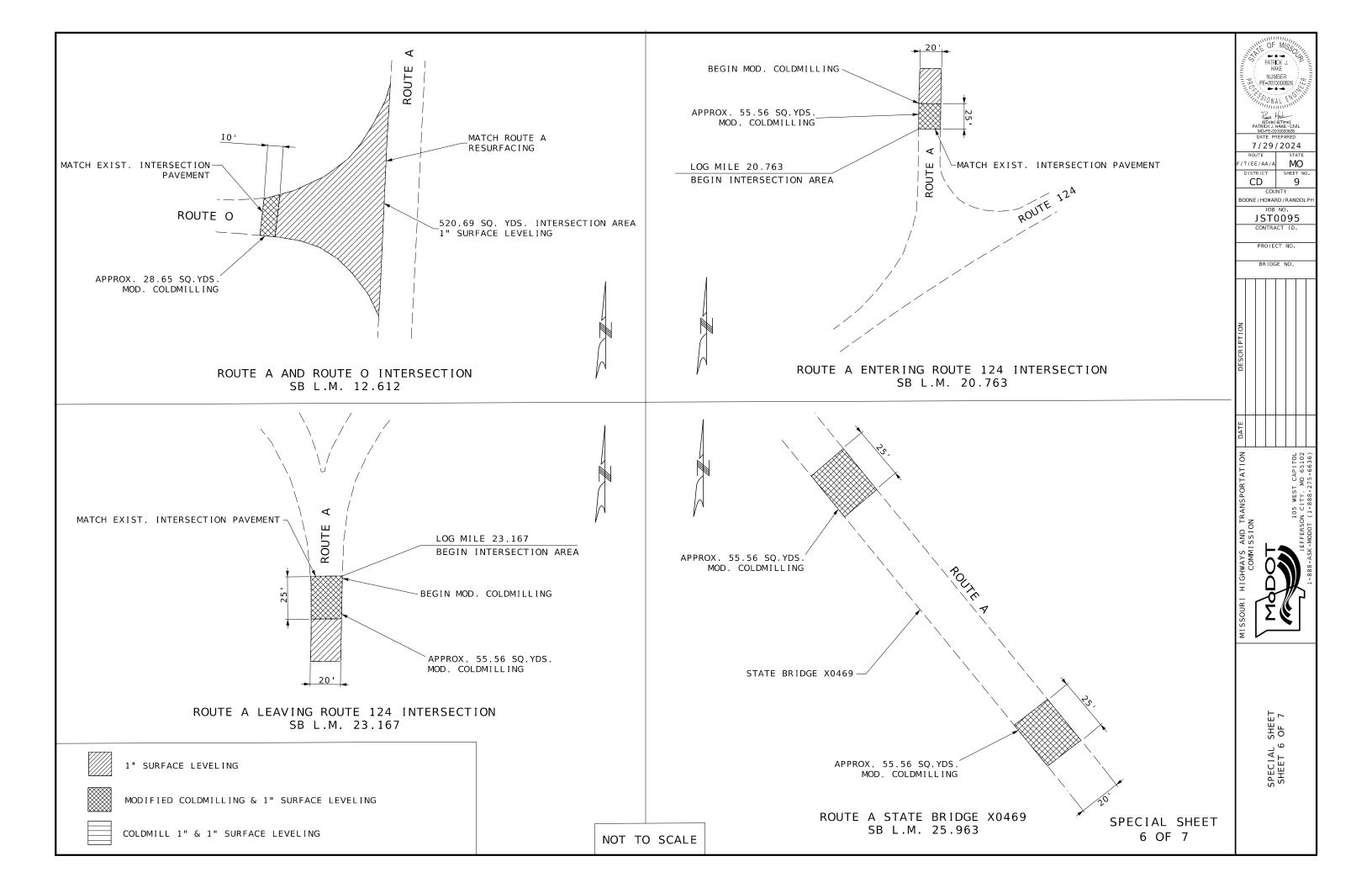


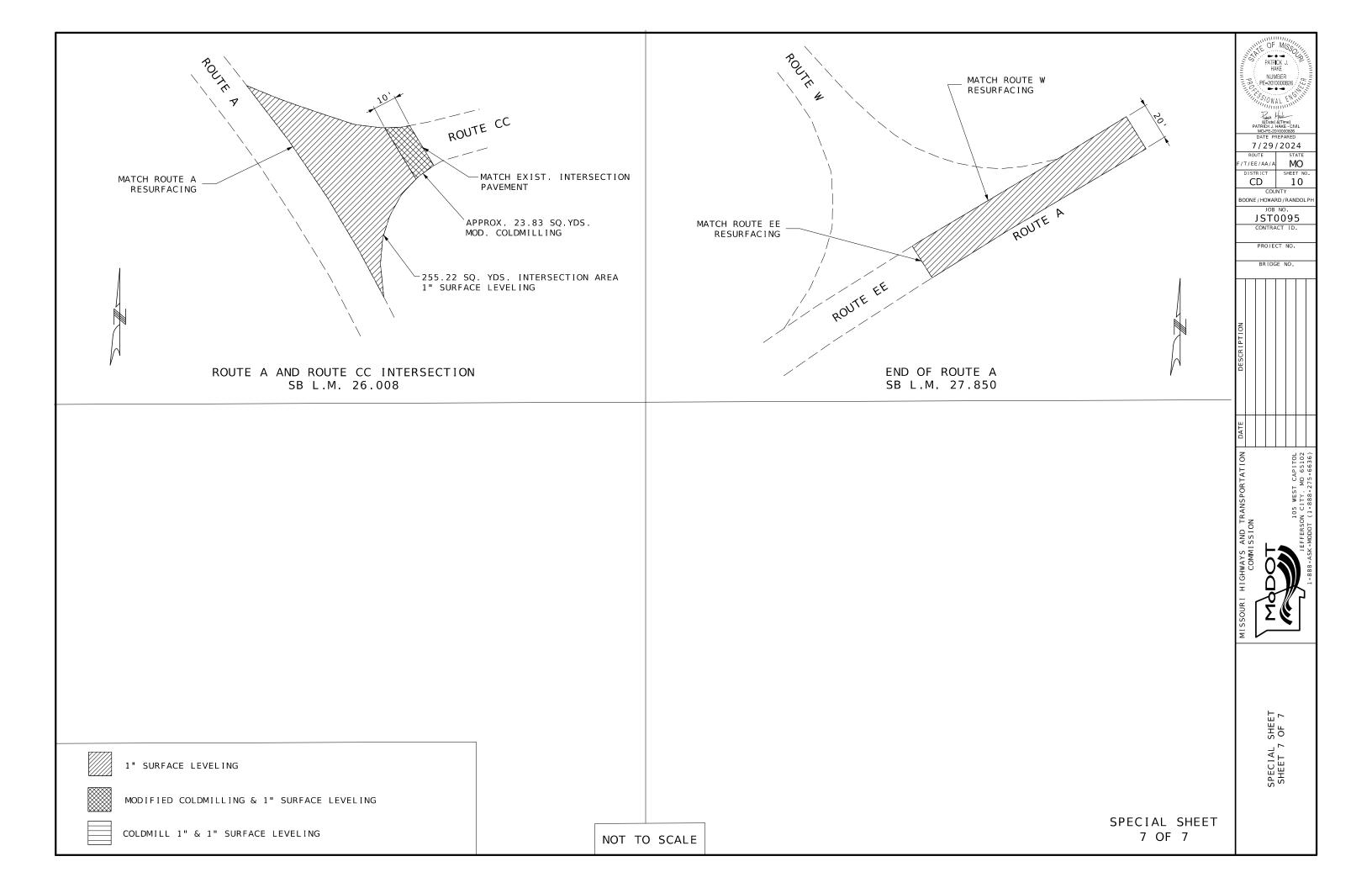


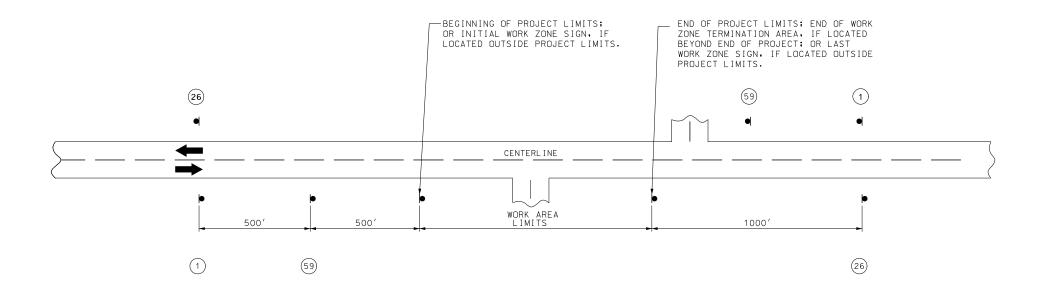












NOTES:

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

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



XX = 13 MILES FOR F XX = 5 MILES FOR T XX = 6 MILES FOR EE XX = 5 MILES FOR AA

XX = 10 MILES FOR A NORTH XX = 5 MILES FOR A SOUTH

PATRICK J. HAKE NUMBER PE-2010000826 THE SOUNAL ENG 7/29/2024 /T/EE/AA/A MO SHEET NO CD 11 BOONE / HOWARD / RANDOL F JST0095 CONTRACT ID. PROJECT NO. BRIDGE NO.

SHEET

CONTROL 1 OF 5

TRAFFIC

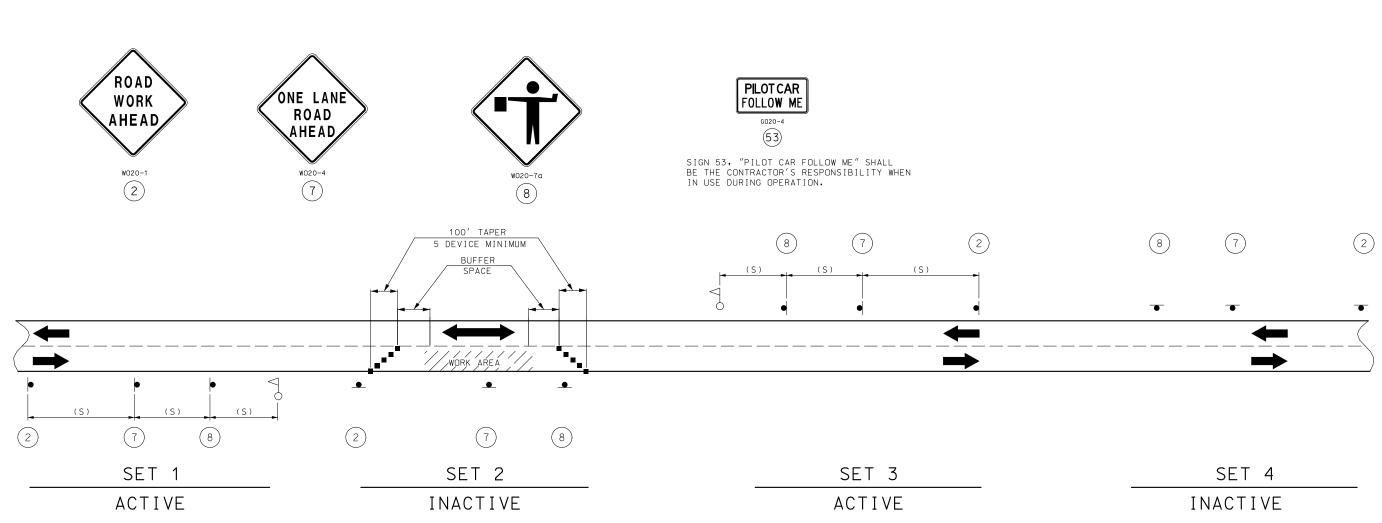
TRAFFIC CONTROL SHEET 1 OF 5

END

ROAD WORK

G020-2

26)



NOTES

DAYLIGHT FLAGGING OPERATIONS ONLY.

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

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		

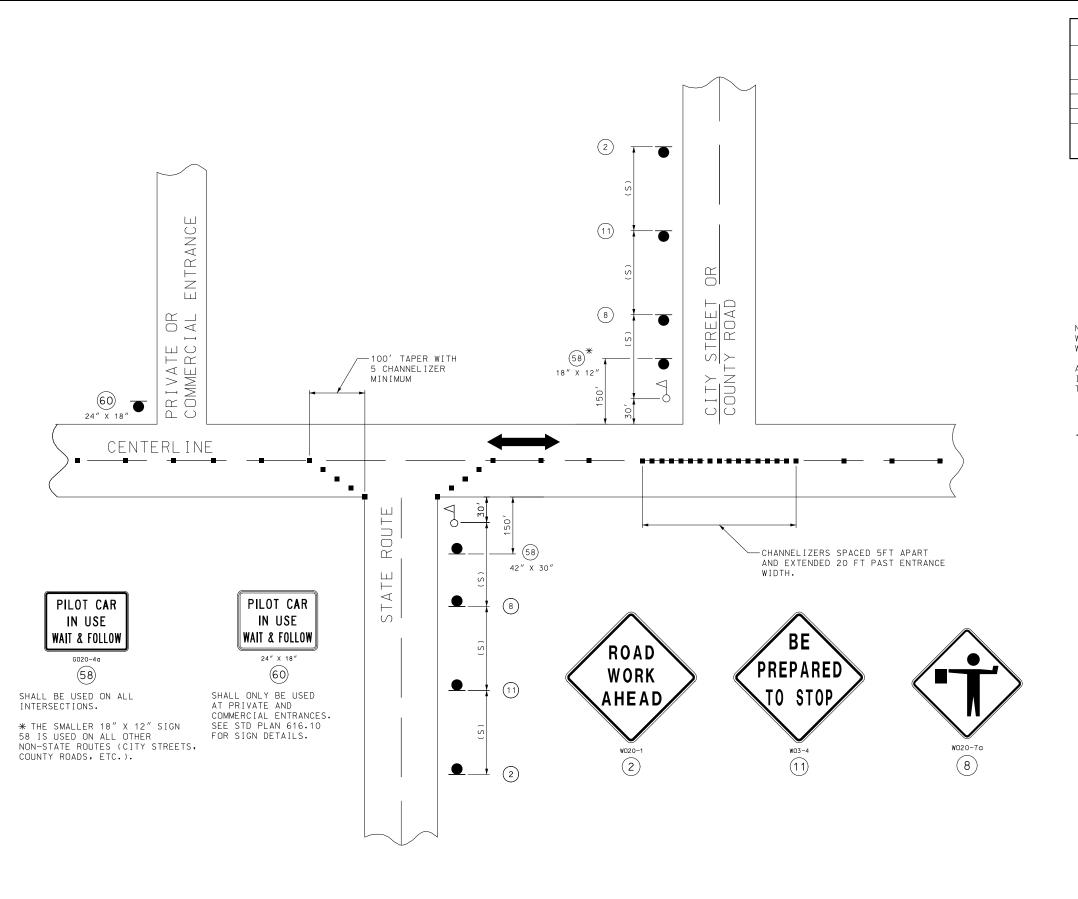
(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TRAFFIC CONTROL SHEET 2 OF 5

NUMBER PE-2010000826 SSIONAL EN 7/29/2024 /T/EE/AA/A MO SHEET NO CD 12 BOONE / HOWARD / RANDOL F JST0095 CONTRACT ID. PROJECT NO. BRIDGE NO.

> AFFIC CONTROL SHEET 2 OF 5



SIDE ROADS ENTERING WORK ZONES

SPEED	SIGN SPACING (FT)	CHANNELIZER SPACING (FT)
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	BUFFER/ WORK AREA (TYP.)
0-35	200	40
40-45	350	80
50-55	500	80
60-70	1000	120

(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.

NOTES

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

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

- CHANNELIZERS (AS SPECIFIED)

- FLAGGER

NOT TO SCALE

PATRICK J.
HAKE
NUMBER
PATRICK J.
HAKE
NUMBER
PATRICK J.
HAKE
SONAL ENGINE
PATRICK J. HAKE
NOVE PATRICK J. HAKE
NOVE PATRICK J. HAKE
NOVE PATRICK J. HAKE
NOVE PATRICK
TO MICHAEL
STATE
F/T/EE/AA/ MO
DISTRICT SHEET NO.
CD 13
COUNTY
ROOME HOWARD (A MICHAEL)

JOB NO.
JST0095

CONTRACT ID.

PROJECT NO.

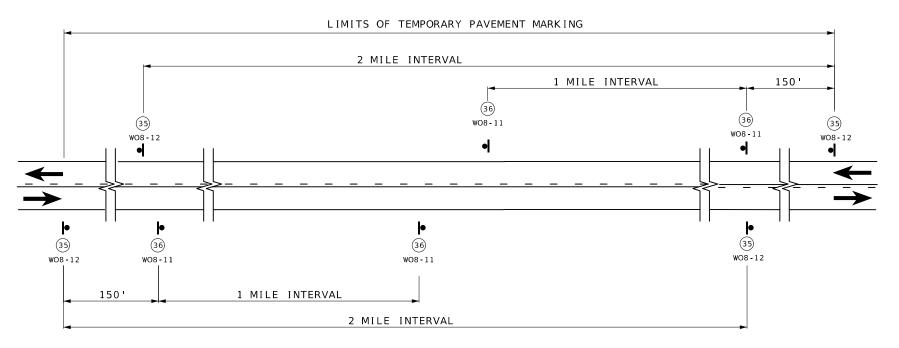
DESCRIPTION STATE

SOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MODOT

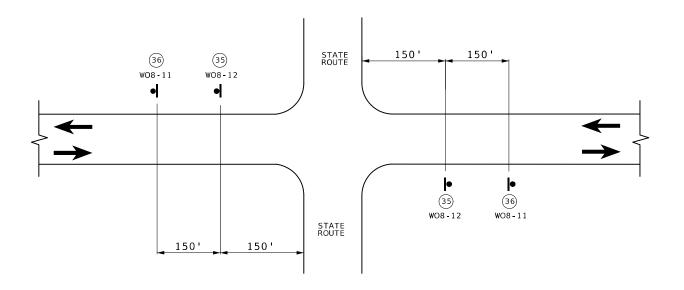
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

TRAFFIC CONTROL SHEET 3 OF 5

TRAFFIC CONTROL SHEET 3 OF 5



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE





NOTES:

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

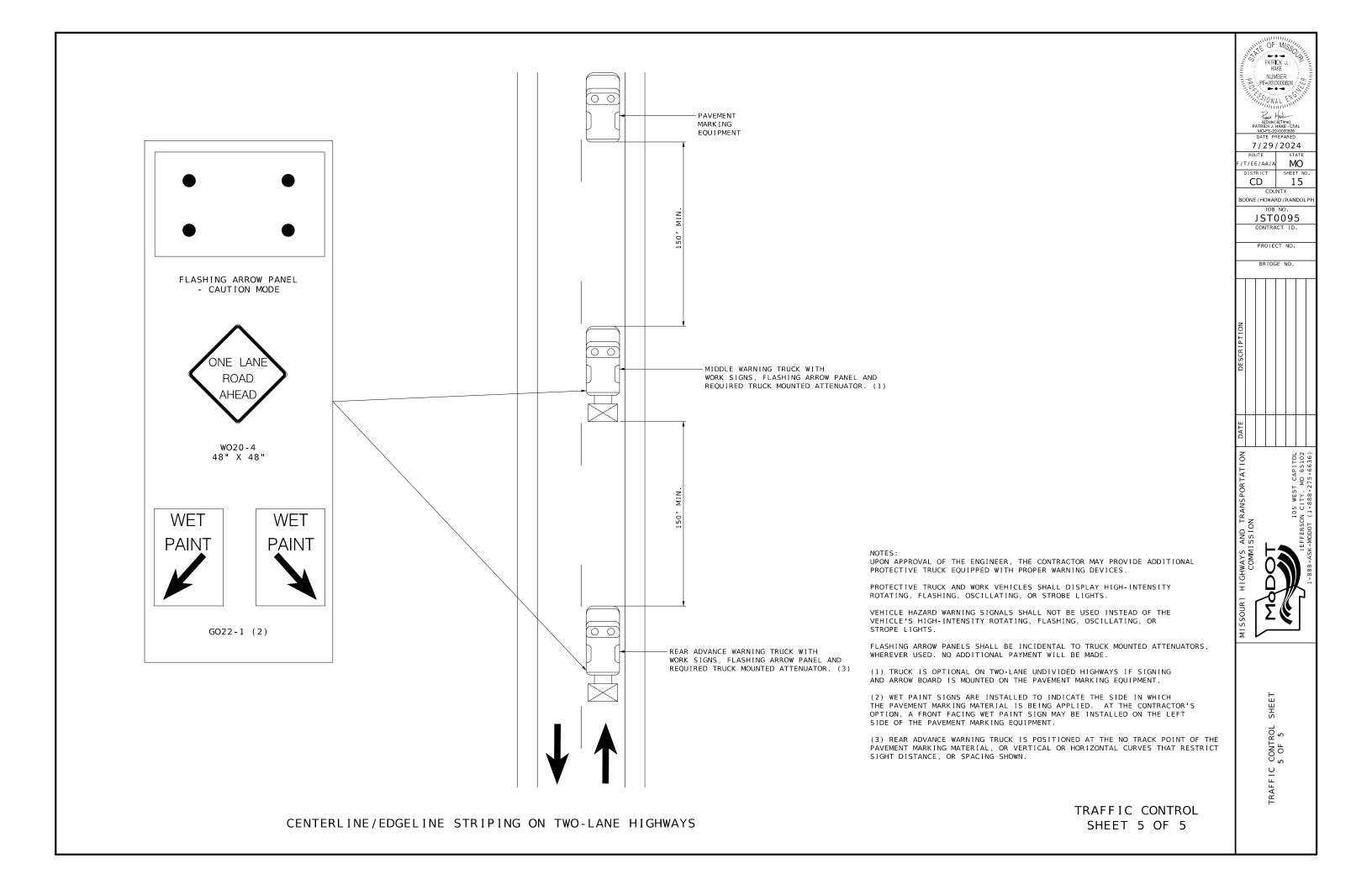
SIGN 35 IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN 35 , THE LATTER MAY BE ELIMINATED.

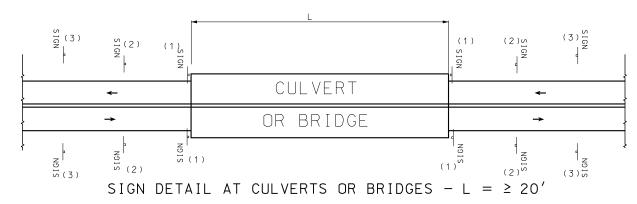
ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

> TRAFFIC CONTROL SHEET 4 OF 5

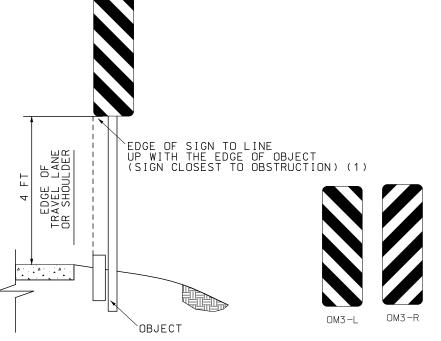
MISSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION			-	P.C.				HHHIMA	11
COMMISSION						C	/EI	7	~/ _/	PROX	Sili
				CON			UTE E/A RIC	DAT 2 / 2	ATRIC	PE	XIE XE
MODOT			IDO	TR <i>A</i>	JOB	COU		E PI	ON VIII Date] DK J. PE-20	PAIR HA NUN	OF
					NO	NTY		REPA	ши	ICK KE MBEF 0000	M/
105 WEST CAPITOL				ID		1		RED 02	ne]). · }	11,1,1 SSC
JEFFERSON CITY, MO 65102				•		4	ATE O		IL.	WEER .	
1-888-45K-MODOT (1-888-275-6636)							_			WWW.	

SHEET TRAFFIC CONTROL 4 OF 5





ROUTE T L.M. 5.345 L.M. 2.070



TYPE 3 OBJECT MARKER 12 IN. X 36 IN.

MOUNTING HEIGHT AND OFFSET TYPE 3 OBJECT MARKER INSTALLATION

SEE DETAIL FOR OFFSETS OF SIGNS FURTHER AWAY FROM OBSTRUCTION

PATRICK J. HAKE NUMBER PE-2010000826 7/29/2024 /T/EE/AA/A MO CD 16 BOONE / HOWARD / RANDOL JST0095 CONTRACT ID PROJECT NO. BRIDGE NO.

SIGNING SHEET 1 OF 2

(1) PLACED AS NEAR THE OBSTRUCTION AS POSSIBLE AND SET TO LINE UP WITH INSIDE EDGE OF OBSTRUCTION.
(2) PLACED 1.5 FEET OFF THE EDGE OF PAVEMENT AND 20 FEET FROM THE END OF THE OBSTRUCTION.
(3) PLACED 3.0 FEET OFF THE EDGE OF PAVEMENT AND 40 FEET FROM THE END OF THE OBSTRUCTION.

SIGNING SHEET SHEET 1 OF 2

EFFECTIVE 10-01-2016

											LI	FECTIVE TO-01-2016
	STANE	ARD SIGN	ASS	SEMB	BLIES		5	SIGN	SUM	IMARY		
n-			_		YPE					SIZE,	TYPE	& SQ. FT.
GN NUMBER SET NUMBER	LOG MILE	LOCATION	SIS	T EWO DES	SC., SIZ OF EACH	ES	STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE		FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A
l ⊷				12°,×			OM3 -R	STD.	12	1′X3′		36
N.R.							OM3-L	STD.	12	1′X3′		36
			12° X							TOTA	L	72
S1	2.070	RTE. T LT. & RT.	3	3			* ORANGE	VELLOW	/ 0 VE	L OW /CDEE	NI .	D 70
S2	2.089	RTE. T LT. & RT.	3	3			* UKANGE	IELLUW	I CA I E	LLUW/ GREE	IN	D-30
S3	5.345	RTE, F LT, & RT,	3	3			1					
S4	5.364	RTE. F LT. & RT.	3	3								

EFFECTIVE 12-01-2017 U CHANNEL POST, 3 LB. POST SIZE 14' EACH ITEM NO. 9031250A SIGNS HORZ CLEAR IF NOT STD SIGN SIZE LOG MILE LOCATION REMARKS AND OTHER REQUIRED ITEMS. S1 1×3 2.070 S2 1×3 2.089 S3 1×3 5.345 S4 1×3 5.364 RTE. T LT. & RT. 6 RTE. T LT. & RT. 6 STATE BRIDGE NO535 STATE BRIDGE NO535 RTE. F LT. & RT. 6 STATE BRIDGE RO256 STATE BRIDGE RO256 SUBTOTAL 336

336

TOTAL

PATRICK J. HAKE NUMBER PE-201000026 Sidate attimel PATRICK J. HAKE - CIVIL MO-PE-2010000828 DATE PREPARED 7/29/2024 /T/EE/AA/A MO DISTRICT SHEET NO. CD 17 COUNTY BOONE / HOWARD / RANDOL P JOB NO. JST0095 CONTRACT ID. PROJECT NO. BRIDGE NO.

SIGNING SHEET 2 OF 2

SIGNING SHEET SHEET 2 OF 2