DESIGN DESIGNATION

ROUTE OO A.A.D.T. - 2024 = 1295 $T = 6.3\% \label{eq:total_total_total}$ FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

ROUTE HH A.A.D.T. - 2024 = 647 T = 17.4% FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

ROUTE Z A.A.D.T. - 2024 - 3147 T = 11.2% FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

NO NEW R/W TO BE ACQUIRED

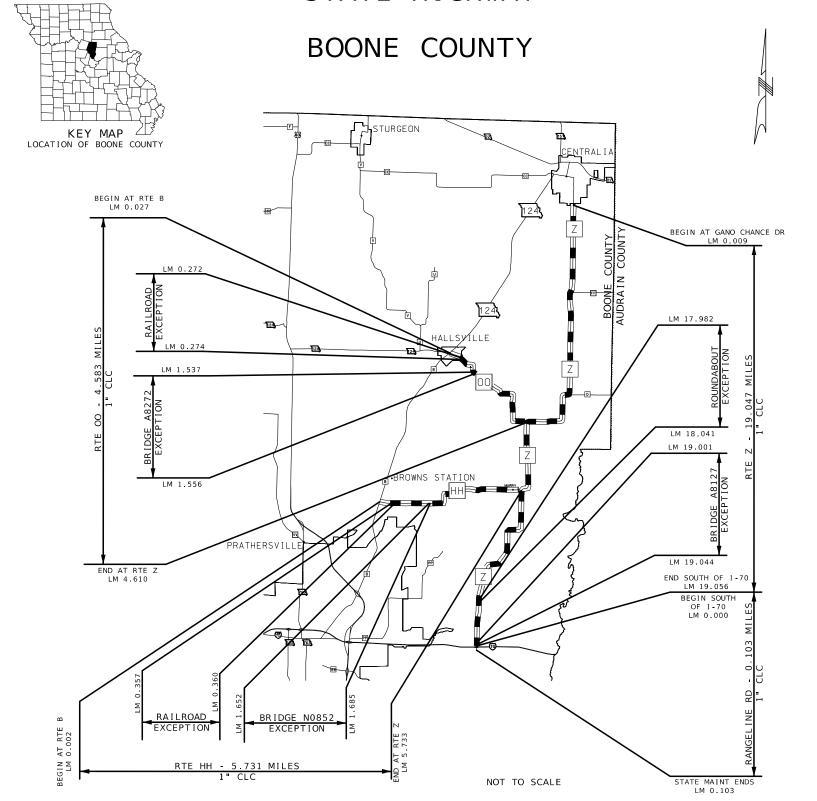
CONVENTIONAL SYMBOLS

(OJED IN LEANS	• •	
	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	- FOOTVUTV OT UT OE UE S S S G W	-F0 -OTV -UTV -OT - UT - OE - VE - S - SS - G
MANHOLE	SAN HYD)
FIRE HYDRANT	wv C	3
WATER VALVE	wo C)
WATER METER	₽""	€
DROP INLET	Ï	
DITCH BLOCK	=	=
GROUND MOUNTED SIGN	S I GN	_
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK	PED	<u></u>
WOVEN WIRE GATE POST	—— X	. —— ☑
BENCHMARK	ВМ)

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED

STATE HIGHWAY



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (6 SHEETS)	3
SPECIAL SHEETS (SS)	4 - 15
TRAFFIC CONTROL SHEETS (TC)	16-20

T :R	PE-2010 RE-2010 RE-	&[Time] HAKE - CIVIL 10000826
	DATE PR	
	6/3/	
	ROUTE	STATE
	00/HH/Z	MO
	DISTRICT	SHEET NO.
'	CD	1
	COLL	
	COU	NTY
	BOO	
		DNE
	BOO	DNE
	BOO	NO. NO. OO49

LENGTH OF PROJECT

BTE OF ABOUT COURT	
RTE. OO (BOONE COUNTY)	
BEGINNING OF PROJECT	L.M. 0.027
END OF PROJECT	L.M. 4.610
APPARENT LENGTH	24198.24 FEET
EQUATIONS AND EXCEPTIONS:	
RAILROAD EXCEPTION	
BEGINNING	L.M. 0.272
END	L.M. 0.274
STATE BRIDGE A8272	
BEGINNING	L.M. 1.537
END	L.M. 1.556
RTE. HH (BOONE COUNTY))
BEGINNING OF PROJECT	L.M. 0.002
END OF PROJECT	L.M. 5.733
APPARENT LENGTH	30259.68 FEET
EQUATIONS AND EXCEPTIONS:	
RAILROAD EXCEPTION	
BEGINNING	L.M. 0.357
END	L.M. 0.360
STATE BRIDGE N0852	
BEGINNING	L.M. 1.652
END	L.M. 1.685
RTE. Z (BOONE COUNTY)	
BEGINNING OF PROJECT	L.M. 0.009
END OF PROJECT	L.M. 19.056
APPARENT LENGTH	100568.16 FEET
EQUATIONS AND EXCEPTIONS:	
ROUNDABOUT EXCEPTION	
BEGINNING	L.M. 17.982
END	L.M. 18.041
STATE BRIDGE A8127	
BEGINNING	L.M. 19.001
END	L.M. 19.044
RANGELINE RD (BOONE CO	DUNTY)
BEGINNING OF PROJECT	L.M. 0.000
END OF PROJECT	L.M. 0.155
APPARENT LENGTH	818.40 FEET
l	

TOTAL CORRECTIONS

STATE LENGTH

NET LENGTH OF PROJECT

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES



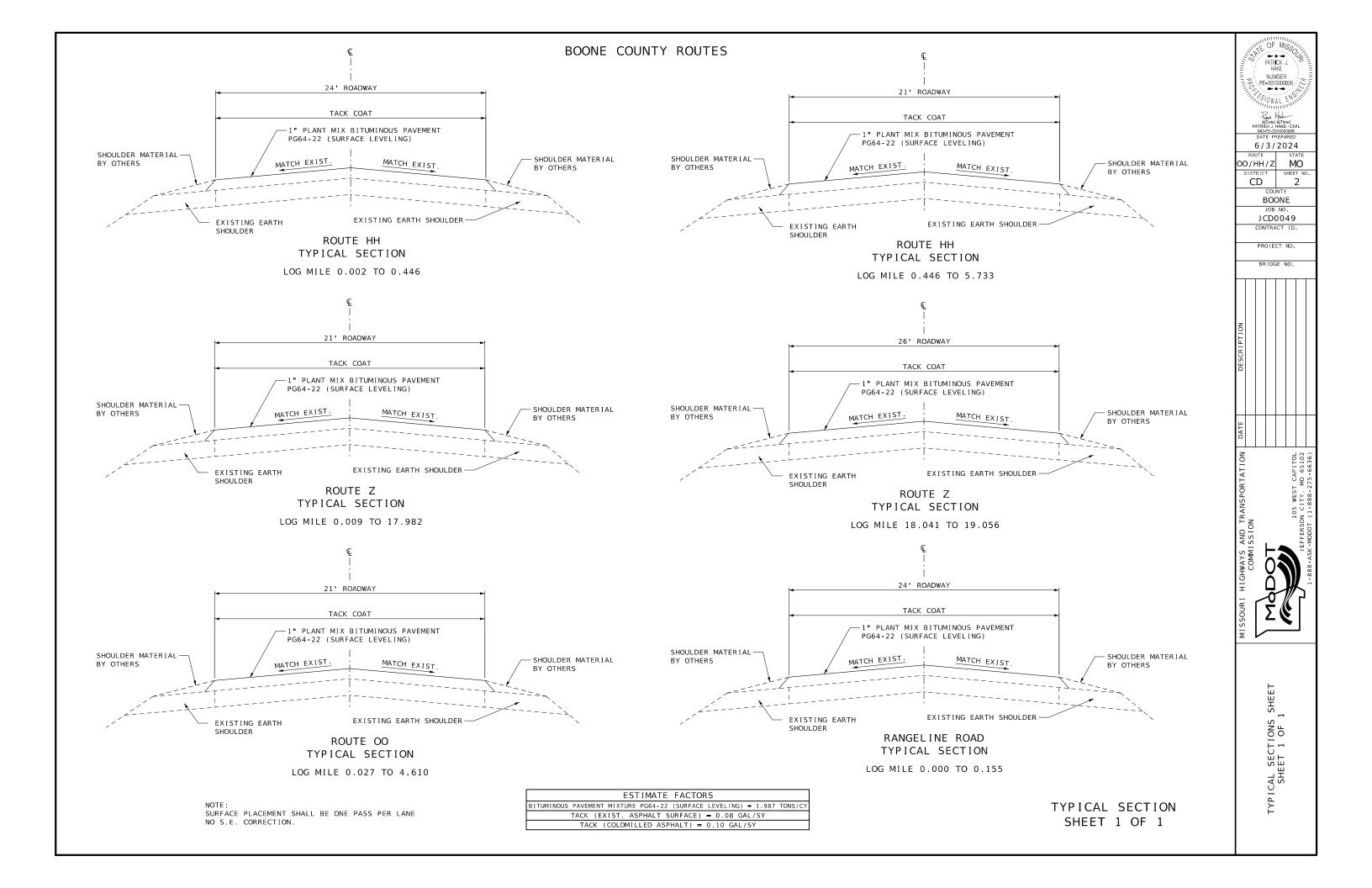
TITLE SHEET

839.52 FEET

29.357 MILES

0 ACRES

155004.96 FEET

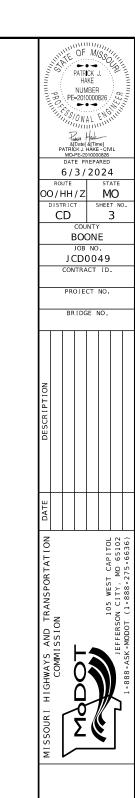


					BITUMI	NOUS SUF	RFACE LE	EVELING - RTE OO
1.00 MVI 5	100 MV 5		I FNGTU	WIRTH	AREA	SURFACE LEVELING	TACK	DEMOKS
FROM	LOG MILE TO	LOCATION	LENGTH FT.	WIDTH FT.	AREA SO. FT.	PG 64-22 TONS	COAT GAL	REMARKS
0.027	0.032	ROUTE OO	25	21	5Q. FT.	3.22	5.83	MODIFIED COLDMILL START PROJECT ON RTE OO - APPROX. 58.33 SO. YDS.
0.027	0.032	ROUTE OO	1251.36	21	26278.56	161.16	233.59	MODITIED COLUMITE STANT PROJECT ON RIE GO - APPROX. 30.33 SQ. 103.
0.269	0.203	ROUTE OO	VARIES	21	694.8	4.26	7.72	MODIFIED COLDMILLING AT RAILROAD EXCEPTION - APPROX 77.20 SQ. YDS
0.272	0.274	ROUTE OO	10	21	031.0	2	,.,_	RAILROAD EXCEPTION
0.274	0.281	ROUTE OO	VARIES	21	694.8	4.26	7.72	MODIFIED COLDMILLING AT RAILROAD EXCEPTION - APPROX 77.20 SQ. YDS
0.281	1.532	ROUTE OO	6605.28	21	138710.88	850.67	1232 99	
1.532	1.537	ROUTE OO	25	21	525	3.22	5.83	COLDMILLING BEFORE BRIDGE EXCEPTION - APPROX 58.33 SQ. YDS
1.537	1.555	ROUTE OO	99.5	24				BRIDGE A8272 EXCEPTION
1.555	1.560	ROUTE OO	25	21	525	3.22	5.83	COLDMILLING AFTER BRIDGE EXCEPTION - APPROX 58.33 SQ. YDS
1.560	4.599	ROUTE OO	16045.92	21	336964.32	2066.50	2995.24	
4.599	4.610	ROUTE OO	58.08	VARIES	3448.53	21.15	38.32	END PROJECT ON RTE OO - APPROX 383.17 SQ. YDS
SIDE ROAL	OS & ENTR	ANCES						
0.184	0.184	ROUTE OO	VARIES	VARIES	1237.68	7.59	13.75	RTE OO AND ELIZABETH ST INTERSECTION - APPROX. 137.52 SQ. YDS
0.415	0.415	ROUTE OO	VARIES	VARIES	977.49	5.99	10.86	RTE OO AND EAST ST INTERSECTION - APPROX 108.61 SQ. YDS
1.037	1.037	ROUTE OO	VARIES	VARIES	2363.76	14.50	26.26	RTE OO AND OWENS SCHOOL RD INTERSECTION - APPROX 262.64 SQ. YDS
1.871	1.871	ROUTE OO	VARIES	VARIES	724.23	4.44	8.05	RTE OO AND ELKIN RD INTERSECTION - APPROX 80.47 SQ. YDS
3.086	3.086	ROUTE OO	VARIES	VARIES	1698.48	10.42	18.87	RTE OO AND DORRIS BLVD INTERSECTION - APPROX 188.72 SQ. YDS
0.027	4.610	ROUTE OO	628	2	1256	7.70	13.96	PRIVATE ENTRANCES
0.027			""	_	1230	,,,,	13.33	THE ENTINGES
						792.08		25% FOR IRREGULARITIES
						63.37		2% SAFETY EDGE
			SUBT	OTAL -	ROUTE OO	4023.75	4624.82	

A SIDATE ACTION OF THE PARTICIST OF THE ROUTE STATE
OO/HH/Z MO
DISTRICT SHEET NO.
CD 3 COUNTY
BOONE
JOB NO.
JCD0049
CONTRACT ID. PROJECT NO.

QUANTITY SHEET

					BITUMIN	OUS SUR	FACE LE	VELING - ROUTE HH
						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	0.210	ROUTE HH	1098.24	24	26357.76	161.64	292.86	MILL/FILL START OF PRJECT RTE HH - APPROX. 2928.64 SQ. YDS.
0.210	0.320	ROUTE HH	580.8	24	13939.2	85.48	123.90	
0.320	0.326	ROUTE HH	31.68	VARIES	584.64	3.59		MODIFIED COLDMILLING WEST OF BROWN STATION RD INTERSECTION - APPROX 64.96 SQ. YDS
0.326	0.356	ROUTE HH	158.4	VARIES	9308.97	57.09	103.43	MILL/FILL RTE HH AND BROWN STATION RD INTERSECTION - APPROX 1034.33 SQ. YDS.
0.356	0.360	ROUTE HH	21.12	24				RAILROAD EXCEPTION
0.360	0.365	ROUTE HH	25	VARIES	621.81	3.81	6.91	MODIFIED COLDMILLING AFTER RAILROAD EXCEPTION - APPROX 69.09 SQ. YDS.
0.365	0.446	ROUTE HH	427.68	24	10264.32	62.95	91.24	
0.446	1.647	ROUTE HH	6341.28	21	133166.88	816.67	1183.71	
1.647	1.652	ROUTE HH	VARIES	21	721.35	4.42	8.02	MODIFIED COLDMILLING BEFORE BRIDGE EXCEPTION - APPROX 80.15 SQ. YDS.
1.652	1.685	ROUTE HH	174.24	21				STATE BRIDGE N0852 EXCEPTION
1.685	1.690	ROUTE HH	VARIES	21	721.35	4.42	8.02	MODIFIED COLDMILLING AFTER BRIDGE EXCEPTION - APPROX 80.15 SQ. YDS.
1.690	1.893	ROUTE HH	1071.84	21	22508.64	138.04	200.08	
1.893	1.898	ROUTE HH	25	21	525	3.22	5.83	MODIFIED COLDMILLING BEFORE FIRESTATION MILL/FILL - APPROX 58.33 SQ. YDS.
1.898	1.928	ROUTE HH	158.4	21	3326.4	20.40	36.96	MILL/FILL IN FRONT OF FIRE STATION - APPROX 369.60 SQ. YDS.
1.928	1.933	ROUTE HH	25	21	525	3.22	5.83	MODIFIED COLDMILLING AFTER FIRESTATION MILL/FILL - APPROX 58.33 SQ. YDS.
1.933	5.723	ROUTE HH	20011.2	21	420235.2	2577.17	3735.42	
5.723	5.733	ROUTE HH	52.8	VARIES	2795.4	17.14	24.85	END OF RTE HH INTERSECTION AREA - APPROX 310.60 SQ. YDS.
CIDE DOM	DC AND EN	TRANCEC						
	DS AND EN				1			
0.446	0.446	ROUTE HH	VARIES	VARIES	802.44	4.92	8.92	RTE HH AND SHARIDAN BLVD INTERSECTION - APPROX 89.16 SQ. YDS.
0.784	0.784	ROUTE HH	VARIES	VARIES	2720.34	16.68	30.23	RTE HH AND FALL CREEK DR AND HICKORY DR INTERSECTION - APPROX 302.26 SQ. YDS.
1.030	1.030	ROUTE HH	VARIES	VARIES	1616.76	9.92	17.96	RTE HH AND HICKORY DR INTERSECTION - APPROX 179.64 SQ. YDS.
1.274	1.274	ROUTE HH	VARIES	VARIES	633.24	3.88	7.04	RTE HH AND BENTHALL BLVD INTERSECTION - APPROX 70.36 SQ. YDS.
1.977	1.977	ROUTE HH	VARIES	VARIES	538.2	3.30	5.98	RTE HH AND SVENA DR INTERSECTION - APPROX 59.80 SQ. YDS.
2.050	2.050	ROUTE HH	VARIES	VARIES	951.66	5.84	10.57	RTE HH AND WISHING WELL DR INTERSECTION - APPROX 105.74 SQ. YDS.
3.573	3.573	ROUTE HH	VARIES	VARIES	533.34	3.27	5.93	RTE HH AND PHILLIPE RD INTERSECTION - APPROX 59.26 SQ. YDS.
0.002	5.733	ROUTE HH	239	2	478	2.93	5.31	PRIVATE ENTRANCES
						1000 50		25% 500 10050// 4017150
						1002.50		25% FOR IRREGULARITIES
						80.20		2% SAFETY EDGE
			SUBT	OTAL -	ROUTE HH	5092.70	5925.50	



					E	B I TUM I NOL	JS SURF	ACE LEVELING - ROUTE Z
						SURFACE		
LOG MILE		1	LENGTH	WIDTH	AREA	PG 64-22	COAT	REMARKS
FROM 0.009	TO 0.014	LOCATION ROUTE Z	FT. 25	FT. VARIES	SQ FT 658 35	4.04	7.32	MODIFIED COLDMILLING START OF RTE Z - APPROX 73.15 SQ. YDS.
0.009	3.974	ROUTE Z	20908.8	21	439084 80		3902 98	MODIFIED COLUMITETING START OF REEZ - AFFROX 73.13 SQ. 183.
3.974	3.979	ROUTE Z	25	21	525.00	3.22	5 83	MODIFIED COLMILLING NORTH OF ENTRANCE MILL/FILL - APPROX 58.33 SQ. YDS.
3.979	4.021	ROUTE Z	221.76	21	4656.96	28.56	51.74	MILL/FILL IN FRONT OF PANHANDLE EASTERN ENTRANCE - APPROX 517.44 SQ. YDS.
4.021	4.025	ROUTE Z	25	21	525.00	3.22	5.83	MODIFIED COLMILLING SOUTH OF ENTRANCE MILL/FILL - APPROX 58.33 SQ. YDS.
4.025	17.956	ROUTE Z	73555.68	21	1544669.28		13730.39	
17.956	17.961	ROUTE Z	25	VARIES	793.89	4.87	8.82	MODIFIED COLDMILLING NORTH OF ROUNDABOUT MILL/FILL - APPROX 88.21 SQ. YDS.
17.961	17.982	ROUTE Z	110.88	VARIES	5356.53	32.85	59.52	MILL/FILL NORTH OF ROUNDABOUT - APPROX 595.17 SQ. YDS.
17.982	18.041	ROUTE Z						ROUNDABOUT EXCEPTION
18.041	18.067	ROUTE Z	137.28	VARIES	5595.75	34.32	62.18	MILL/FILL SOUTH OF ROUNDABOUT - APPROX 621.75 SQ. YDS.
18.067	18.072	ROUTE Z	25	VARIES	797.49	4.89	8.86	MODIFIED COLDMILLING SOUTH OF ROUNDABOUT MILL/FILL - APPROX 88.61 SQ. YDS.
18.072	18.453	ROUTE Z	2011.68	26	52303.68	320.76	464.92	
18.453	18.458	ROUTE Z	25	26	650.00	3.99	7.22	MODIFIED COLDMILLING NORTH OF DRIVEWAY MILL/FILL - APPROX 72.22 SQ. YDS.
18.458	18.554	ROUTE Z	506.88	26	13178.88	80.82	146.43	OUTDOOR BRANDS DRIVEWAY MILL/FILL - APPROX 1464.32 SQ. YDS.
18.554	18.559	ROUTE Z	25	26	650.00	3.99	7.22	MODIFIED COLDMILLING SOUTH OF DRIVEWAY MILL/FILL - APPROX 72.22 SQ. YDS.
18.559	18.687	ROUTE Z	675.84	26	17571.84	107.76	156.19	
18.687	18.692	ROUTE Z	25	26	650.00	3.99	7.22	MODIFIED COLDMILLING NORTH OF CONCRETE EXCEPTION - APPROX 72.22 SQ. YDS.
18.692	18.826	ROUTE Z	707.52					CONCRETE EXCEPTION
18.826	19.001	ROUTE Z	924	33.5	30954.00	189.83	343.93	MILL/FILL AREA NORTH OF 1-70 OVERPASS WIDTH VARIES - APPROX 3439.33 SQ. YDS.
19.001	19.043	ROUTE Z	221.76					STATE BRIDGE A8127 EXCEPTION
19.043	19.057	ROUTE Z	73.92	VARIES	4487.87	27.52	49.87	MILL/FILL SOUTH OF BRIDGE EXCEPTION - APPROX 498.65 SQ. YDS.
0.000	0.010	RANGELINE RD	52.8					MILL/FILL - QUANTITY INCLUDED ABOVE
0.010	0.015	RANGELINE RD	25	41	1025.00	6.29	11.39	MODIFIED COLDMILLING SOUTH OF MILL/FILL - APPROX 113.89 SQ. YDS.
0.015	0.070	RANGELINE RD	290.4	32.5	9438.00	57.88	83.89	WIDTH VARIES
0.070	0.150	RANGELINE RD	422.4	24	10137.60	62.17	90.11	
0.150	0.155	RANGELINE RD	25	24	600.00	3.68	6.67	MODIFIED COLDMILLING END OF PROJECT - APPROX 66.67 SQ. YDS.
SIDE ROAL	OS & ENTR	ANCES						
3.305	3.305	ROUTE Z	VARIES	VARIES	5297.58	32.49	58.86	RTE Z AND RTE FF AND KROEGER RD INTERSECTION - APPROX 588.62 SQ. YDS.
5.131	5.131	ROUTE Z	VARIES	VARIES	4717.17	28.93	52.41	RTE Z AND OLD HWY 124 INTERSECTION - APPROX 524.13 SQ. YDS.
7.116	7.116	ROUTE Z	VARIES	VARIES	2956.14	18.13	32.85	RTE Z AND RTE D INTERSECTION - APPROX 328.46 SQ. YDS.
8.267	8.267	ROUTE Z	VARIES	VARIES	1266.12	7.76	14.07	RTE Z AND NIENABER LN INTERSECTION - APPROX 140.68 SQ. YDS.
10.287	10.287	ROUTE Z	VARIES	VARIES	1968.48	12.07	21.87	RTE Z AND MT ZION CHURCH RD AND TIMMONS RD INTERSECTION - APPROX 218.72 SQ. YDS.
12.003	12.003	ROUTE Z	VARIES	VARIES	2510.19	15.39	27.89	RTE Z AND ROB COOK RD INTERSECTION - APPROX 278.91 SQ. YDS.
14.065	14.065	ROUTE Z	VARIES	VARIES	2423.88	14.86	26.93	RTE Z AND MT HOPE RD FIRST INTERSECTION - APPROX 269.32 SQ. YDS.
14.198	14.198	ROUTE Z	VARIES	VARIES	2447.55	15.01	27.20	RTE Z AND MT HOPE RD SECOND INTERSECTION - APPROX 271.95 SQ. YDS.
14.933	14.933	ROUTE Z	VARIES	VARIES	1737.63	10.66	19.31	RTE Z AND PRAIRIE ELEMENTARY SCHOOL ENTRANCE INTERSECTION - APPROX 193.07 SQ. YDS. MOD COLDMILL
15.198	15.198	ROUTE Z	VARIES	VARIES	1994.85	12.23	22.17	RTE Z AND JUDY SCHOOL RD INTERSECTION - APPROX 221.65 SQ. YDS.
17.174	17.174	ROUTE Z	VARIES	VARIES	2363.31	14.49	26.26	RTE Z AND MEXICO GRAVEL RD INTERSECTION - APPROX 262.59 SQ. YDS.
17.956	17.956	ROUTE Z	VARIES		1215.36	7.45	13.50	RTE Z AND ST CHARLES RD INTERSECTION - APPROX 135.04 SQ. YDS.
0.070	1.101	RANGELINE RD	VARIES	VARIES	6491.07	39.81	72.12	RANGELINE ROAD AND I-70 DRIVE INTERSECTION - APPROX 721.23 SQ. YDS.
0.000	10.056	DOUTE 7	711		1422	0.72	15.00	DELVATE ENTRANCES
0.009	19.056	ROUTE Z	711	2	1422	8.72	15.80	PRIVATE ENTRANCES
<u> </u>						2247 10		25% EOD IDDECHIADITIES
						3347 10 267 77		25% FOR IRREGULARITIES 2% SAFETY EDGE
						207.77		Z/0 JAILLI EDGE
		1	CLID	TOTAL	POUTE 7	17002 27	10640 77	
						17003.27		
						4023.75		
			SUBT	OTAL -	ROUTE HH	5092.70	5925.50	
					TOTAL	26119.72	30200.09	
						26119.7		
						/		

PATRICK J. HAKE NUMBER PE-2010000826							
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00	RO	UTE HH			ST	О	
	IST	RIC		S	HEE	T NO	٥.
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			CD(49 ID		
		PR	DJE	СТ	NO.		
			IDO				
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DESCRIPTION							
DATE							
MISSOURI HIGHWAYS AND TRANSPORTATION	COMMISSION				105 WEST CAPITOL	JEFFERSON CITY, MO 65102	(858-375-899-1) TOGOM-734-989-1

					COLDMILLIN	G - ROUTE C	00
					MODIFIED		
					COLDMILLING	COLDMILLING	
					(DEPTH	(3" THICK	
LOG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS
FROM	то	LOCATION	FT	FT	SQYD	SQYD	
0.027	0.032	ROUTE OO	25	21	58.33		START PROJECT RTE 00
0.269	0.274	ROUTE OO	VARIES	21	77.20		MOD COLDMILL AT RR EXCEPTION
0.276	0.281	ROUTE OO	VARIES	21	77.20		MOD COLDMILL AT RR EXCEPTION
1.532	1.537	ROUTE OO	25	21	58.33		MOD COLDMILL - BRIDGE EXCEPTION
1.555	1.560	ROUTE OO	25	21	58.33		MOD COLDMILL - BRIDGE EXCEPTION
SIDE ROAI	 DS						
0.173	0.173	ROUTE OO	10	VARIES	26.81		RTE OO AND S ELIZABETH ST INTERSECTION
0.194	0.194	ROUTE OO	10	VARIES	24.56		RTE OO AND ELIZABETH ST INTERSECTION
0.415	0.415	ROUTE OO	10	VARIES	21.59		RTE OO AND EAST ST INTERSECTION
1.037	1.037	ROUTE OO	10	VARIES	26.59		RTE OO AND OWENS SCHOOL RD INTERSECTION
1.871	1.871	ROUTE OO	10	VARIES	22.87		RTE OO AND ELKIN RD INTERSECTION
3.086	3.086	ROUTE OO	10	VARIES	28.56		RTE OO AND DORRIS BLVD INTERSECTION
		SUBTO	DTAL - R	OUTE OO	480.37		

					COLDMILL	ING - ROUTE	НН
					MODIFIED		
					COLDMILLING	COLDMILLING	
					(DEPTH	(3" THICK	
LOG MILE	LOG MILE		LENGTH	WIDTH	,	OR LESS)	REMARKS
FROM	TO	LOCATION	FT	FT	SOYD	SOYD	KLMAKKS
0.002	0.21	ROUTE HH	1098.24	24	3010	2928.64	MILL/FILL START OF PROJECT RTE HH
0.002	0.326	ROUTE HH	25	VARIES	64.96	2320.04	MOD COLDMILL WEST OF BROWN STATION RD INTERSECTION
0.326	0.357	ROUTE HH	163.68	VARIES	01.50	1034.33	MILL/FILL AT INTERSECTION OF RTE HH AND BROWN STATION RD
0.360	0.365	ROUTE HH	25	VARIES	69.09	1051133	MOD COLDMILL AFTER RAILROAD EXCEPTION
1.647	1.652	ROUTE HH	VARIES	21	80.15		MOD COLDMILL BEFORE BRIDGE EXCEPTION
1.685	1.690	ROUTE HH	VARIES	21	80.15		MOD COLDMILL AFTER BRIDGE EXCEPTION
1.893	1.898	ROUTE HH	25	21	58.33		MOD COLDMILL BEFORE FIRESTATION MILL/FILL
1.898	1.928	ROUTE HH	158.4	21		369.60	MILL/FILL THROUGH FIRESTATION ENTRANCE
1.928	1.933	ROUTE HH	25	21	58.33		MOD COLDMILL AFTER FIRESTATION MILL/FILL
SIDE ROAL	DS						
0.446	0.446	ROUTE HH	VARIES	VARIES	42.12		RTE HH AND SHARIDAN RD INTERSECTION
0.784	0.784	ROUTE HH	VARIES	VARIES	65.78		RTE HH AND FALL CREEK DR AND HICKORY DR INTERSECTION
1.030	1.030	ROUTE HH	VARIES	VARIES	47.52		RTE HH AND HICKORY DR INTERSECTION
1.274	1.274	ROUTE HH	VARIES	VARIES	26.53		RTE HH AND BENTHALL BLVD
1.977	1.977	ROUTE HH	VARIES	VARIES	26.13		RTE HH AND SVENA DR INTERSECTION
2.050	2.050	ROUTE HH	VARIES	VARIES	53.19		RTE HH AND WISHING WELL DR INTERSECTION
3.573	3.573	ROUTE HH	VARIES	VARIES	30.40		RTE HH AND PHILLIPE RD INTERSECTION
		a					
		SUBT	OTAL - R	OUTE HH	702.7	4332.6	
Ĺ							

A SIDATE ACTION OF THE PARTICIST OF THE ROUTE STATE
OO/HH/Z MO
DISTRICT SHEET NO.
CD 3 COUNTY
BOONE
JOB NO.
JCD0049
CONTRACT ID. PROJECT NO.

QUANTITY SHEE

					COLDMILLII	NG - ROUTE	Z
					MODIFIED		
					COLDMILLING	COLDMILLING	
					(DEPTH	(3" THICK	
LOG MILE	LOG MILE		LENGTH	WIDTH	TRANSITIONS)	OR LESS)	REMARKS
FROM	TO	LOCATION	FT	FT	SQYD	SQYD	
0.009	0.014	ROUTE Z	25	21	73.15		START PROJECT RTE Z AT GANO CHANCE DR
3.974	3.979	ROUTE Z	25	21	58.33		MOD COLDMILL NORTH OF PANHANDLE EASTERN MILL/FILL
3.979	4.020	ROUTE Z	216.48	21		517.44	PANHANDLE EASTERN MILL/FILL
4.020	4.025	ROUTE Z	25	21	58.33		MOD COLDMILL SOUTH OF PANHANDLE EASTERN MILL/FILL
17.956	17.961	ROUTE Z	25	VARIES	88.21		MOD COLDMILL NORTH OF ROUNDABOUT MILL/FILL
17.961	17.982	ROUTE Z	VARIES	VARIES		595.17	RTE Z MILL/FILL NORTH OF ROUNDABOUT
18.041	18.067	ROUTE Z	VARIES	VARIES		621.75	RTE Z MILL/FILL SOUTH OF ROUNDABOUT
18.067	18.072	ROUTE Z	25	VARIES	88.61		MOD COLDMILL SOUTH OF ROUNDABOUT MILL/FILL
18.453	18.458	ROUTE Z	25	26	72.22		MOD COLDMILL NORTH OF OUTDOOR BRANDS DRIVEWAY
18.458	18.554	ROUTE Z	506.88	26		1464.32	OURDOOR BRANDS DRIVEWAY MILL/FILL
18.554	18.559	ROUTE Z	25	26	72.22		MOD COLDMILL SOUTH OF OUTDOOR BRANDS DRIVEWAY
18.687	18.692	ROUTE Z	25	26	72.22		MOD COLDMILL BEGIN CONCRETE EXCEPTION
18.826	19.001	ROUTE Z	924	24		3439.33	RTE Z MILL/FILL NORTH OF I-70 OVERPASS
19.044	19.057	ROUTE Z	68.64	24		498.65	RTE Z MILL/FILL SOUTH OF I-70 OVERPASS
0.010	0.015	RANGELINE RD	25	41	113.89		MOD COLDMILL SOUTH OF MILL/FILL
0.101	0.106	RANGELINE RD	25	24	66.67		MOD COLDMILL END PROJECT RANGELINE RD
SIDE ROAD	OS						
3.305	3.305	ROUTE Z	10	VARIES	31.07		RTE Z AND RTE FF INTERSECTION
3.325	3.325	ROUTE Z	10	VARIES	27.54		RTE Z AND KROEGER RD INTERSECTION
5.131	5.131	ROUTE Z	10	VARIES	24.99		RTE Z AND OLD HWY 124 INTERSECTION
7.116	7.116	ROUTE Z	10	VARIES	38.07		RTE Z AND RTE D INTERSECTION
8.267	8.267	ROUTE Z	10	VARIES	28.52		RTE Z AND NIENABER LN INTERSECTION
10.287	10.287	ROUTE Z	10	VARIES	58.19		RTE Z AND MT ZION CHURCH RD AND TIMMONS RD INTERSECTION
12.003	12.003	ROUTE Z	10	VARIES	32.22		RTE Z AND ROB COOK RD INTERSECTION
14.065	14.065	ROUTE Z	10	VARIES	23.13		RTE Z AND FIRST MT HOPE RD INTERSECTION
14.198	14.198	ROUTE Z	10	VARIES	24.56		RTE Z AND SECOND MT HOPE RD INTERSECTION
14.933	14.933	ROUTE Z	VARIES	VARIES	193.07		RTE Z AND PRAIRIE ELEMENTARY SCHOOL INTERSECTION
15.198	15.198	ROUTE Z	10	VARIES	39.96		RTE Z AND JUDY SCHOOL RD INTERSECTION
17.174	17.174	ROUTE Z	10	VARIES	69.52		RTE Z AND MEXICO GRAVEL RD INTERSECTION
17.956	17.956	ROUTE Z	10	VARIES	28.43		RTE Z AND ST CHARLES RD INTERSECTION
1.101	1.101	RANGELINE RD	10	VARIES	85.24		RANGELINE RD AND OUTER I-70 RD INTERSECTION
			L				
		SUB	TOTAL -	ROUTE Z	1468.4	7136.7	
		SUBTO	OTAL - R	OUTE OO	480.4	0.0	
		SUBTO	OTAL - R	OUTE HH	702.7	4332.6	
				TOTAL	2651.5	11469.3	
				USE	2652	11469	
				USE	2032	11403	

	GRAVEL (A), CRUSHED STONE (B)								
LOG MILE FROM	LOG MILE TO	LOCATION	GRAVEL (A) OR CRUSHED STONE (B) TONS	REMARKS					
0.027	4.61	ROUTE OO	455.00	ROUTE OO GRAVEL ENTRANCES WITHIN OVERLAY LIMITS					
0.002	5.733	ROUTE HH	435.00	ROUTE HH GRAVEL ENTRANCES WITHIN OVERLAY LIMITS					
0.009	19.056	ROUTE Z	765.00	ROUTE Z GRAVEL ENTRANCES WITHIN OVERLAY LIMITS					
		TOTAL	1655.0						
		USE	1655						

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A SIDATE ACTION OF THE PARTICIST OF THE ROUTE STATE
OO/HH/Z MO
DISTRICT SHEET NO.
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> QUANTITY SHEET 5 OF 6

							PAVEMENT	MARKING				
				STAND. WATERBORNE PVMT MARK. PAINT, TYPE P BEADS			PREFORMED THERMOPLASTIC INTERSECTION MARKING					
							12" WHITE	LEFT / RIGHT	24" YELLOW			
				4"	4"	8"	YIELD	TURN	HASH	24" WHITE	RR CROSSING	
LOG MILE	LOG MILE	LOCATION	LENGTH	YELLOW	WHITE	WHITE	TRIANGLES	ARROW	MARKS	STOP BAR	MARKER	
FROM	То		(FT)	LF	LF	LF	EA	EA	LF.	LF	EA	REMARKS
0.027	4.610	ROUTE OO	24198	48396.0	48396.0							START OF RTE OO
0.239	0.250	ROUTE OO									1.0	RR CROSSING MARKER WEST OF RR
0.266	0.266	ROUTE OO								10.0		STOP BAR WEST OF RR
0.284	0.284	ROUTE OO								10.0		STOP BAR EAST OF RR
0.306	0.317	ROUTE OO									1.0	RR CROSSING MARKER EAST OF RR
0.002	0.059	ROUTE HH	300	600.0	900.0	250.5		3.0		12.0		PAINTED ISLANDS, 3-RIGHT TURN ARROWS
0.059	5.733	ROUTE HH	29959	59918.0	59918.0							
0.264	0.273	ROUTE HH									1.0	
0.354	0.354	ROUTE HH								12.0		
0.363	0.363	ROUTE HH								12.0		
0.452	0.461	ROUTE HH									1.0	
0.000	17.954	ROUTE Z	94750	100500 0	189500.0							
0.009 17.954	17.954	ROUTE Z	591	189500.0 938.0	924.0		40		9.0			INCLUDES ROUNDABOUT CENTER CIRCLE
17.954	19.057	ROUTE Z	5232	11218.0	11114.0		40	4.0	9.0			INCLUDES 4-LEFT ARROWS ON BRIDGE
0	0.155	RANGELINE RD	818	2236.0	1636.0			4.0	62.0			INCLUDES 4-LEFT ARROWS ON BRIDGE
· ·	0.155	NANGELINE RD	010	2230.0	1030.0				02.0			
			TOTAL	312806.0	312388.0	250.5	40.0	7.0	71.0	56.0	4.0	
			USE	312806	312388	251	40	7	71	56	4	

CONSTRUCTION SIGNING (VARIES) RTE OO, HH, Z							
				TOTAL	SIGN		
	SIZE	AREA	QTY	AREA	NUM.		
SIGN	IN.	SQ.FT.	EACH	SQ.FT.			
	WA	RNING SIG	SNS			DESCRIPTION	
WO8 - 11	48X48	16	60	960	36	UNEVEN LANES	
WO8 - 12	48X48	16	32	512	35	NO CENTER LINE	
WO20 - 1	48X48	16	16	256	2	ROAD WORK AHEAD	
WO20-4	48X48	16	6	96	7	ONE LANE ROAD AHEAD	
WO20 - 7a	48X48	16	16	256	8	FLAGGER (SYMBOL, WITH FLAGS)	
W03-4	48X48	16	12	192	11	BE PREPARED TO STOP	
GO22 - 1	21X15	2.19	4	8.76		WET PAINT (ARROW PIVOTS)	
	UIDE SIGN	IS					
GO20 - 1	60X24	10	6	60	1	ROAD WORK NEXT XX MILES 2@5, 2@6, 2@19	
GO20-2	48X24	8	6	48	26	END ROAD WORK	
GO20-4	36X18	4.5	1	4.5	53	PILOT CAR FOLLOW ME	
GO20 - 4a	42X30	8.75	2	17.5	58	PILOT CAR IN USE WAIT & FOLLOW	
GO20 - 4a	18X12	1.5	12	18	58	PILOT CAR IN USE WAIT & FOLLOW	
	LLANEOUS	SIGNS					
CONST - 8	48X36	12	6	72	59	WORK ZONE NO PHONE ZONE	
	616.10.05						
CONSTRUCTION SIGNS TOTAL				2501			

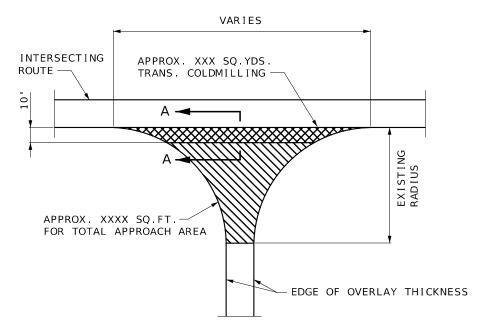
ADDITIONAL CONSTRUCTION ITEMS								
ITEM								
NO.	QUANTITY	DESCRIPTION						
616-10.25	142	CHANNELIZERS (TRIM-LINE)						
616-1098A	2	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED.						

MO-PE-2010000826

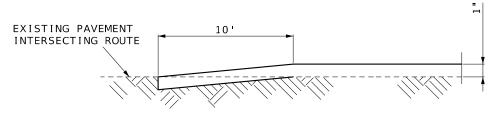
DATE PREPARED

6/3/2024 ROUTE STATE
OO/HH/Z MO
DISTRICT SHEET NO.
CD 3 COUNTY
BOONE
JOB NO.
JCD0049
CONTRACT ID.

QUANTITY SHEE

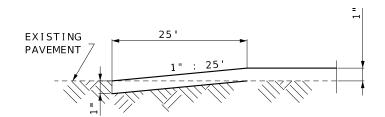


BEGINNING AND END OF PROJECT AT INTERSECTING ROUTE

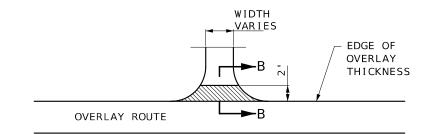


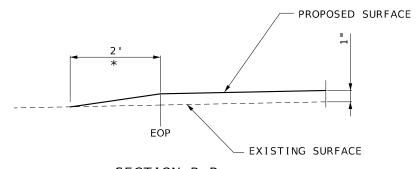
SECTION A-A

DEPTH TRANSISTIONS
BEGINNING AND END OF PROJECT
AT INTERSECTING ROUTE



TYPICAL TRAVELWAY DEPTH TRANSITIONS
AT EXCEPTIONS



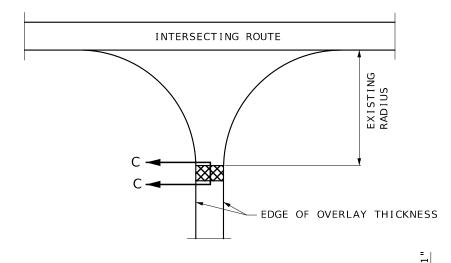


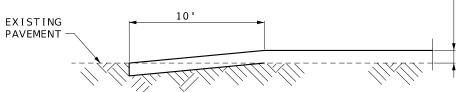
SECTION B-B

TYPICAL PAVED ENTRANCE

(FIELD, PRIVATE OR COUNTY ROAD)

* TAPER AT 1:1 FOR FIELD ENTRANCE





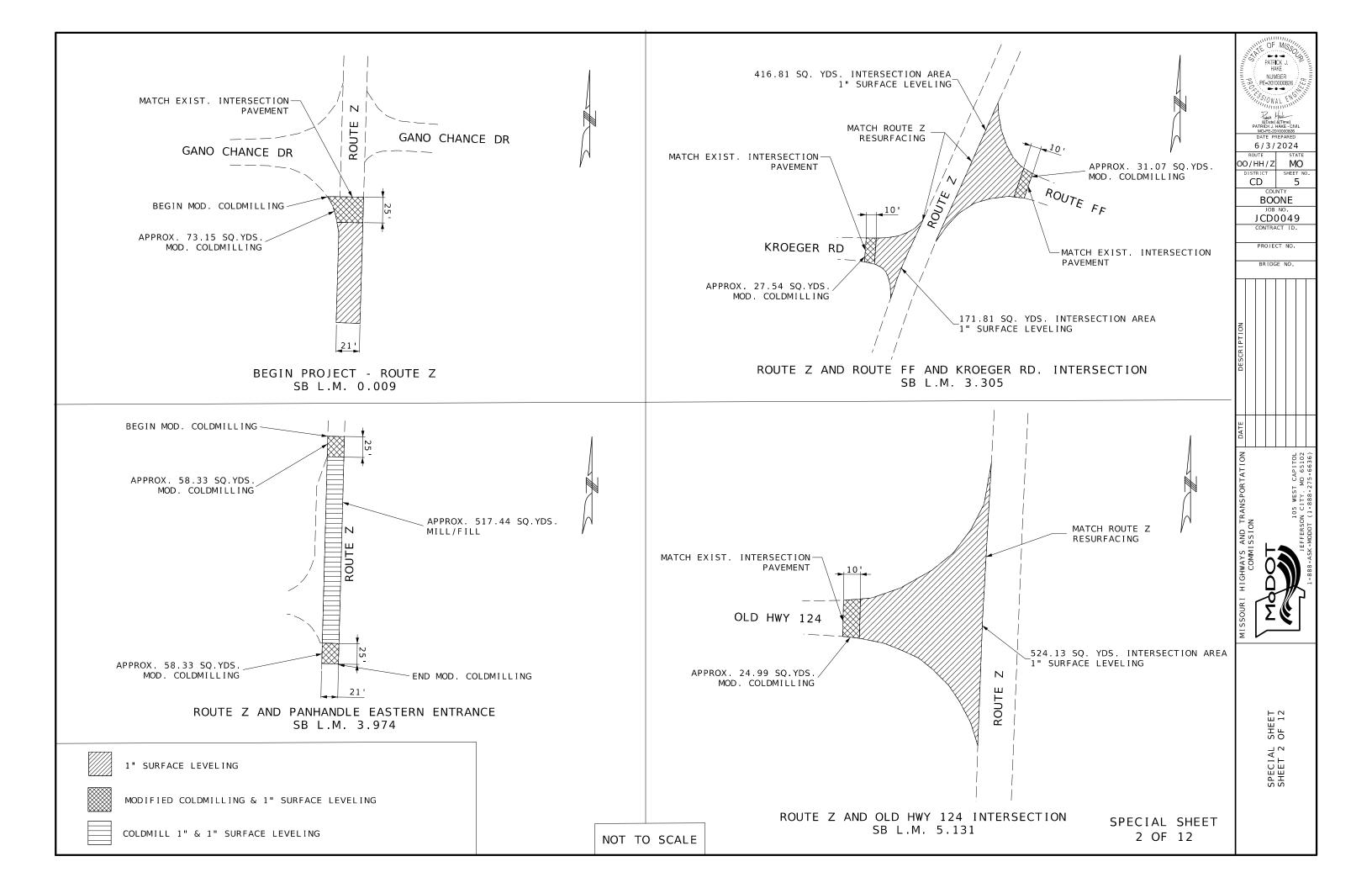
SECTION C-C
BEGINNING AND END OF PROJECT
AT INTERSECTION RADIUS
DEPTH TRANSITION

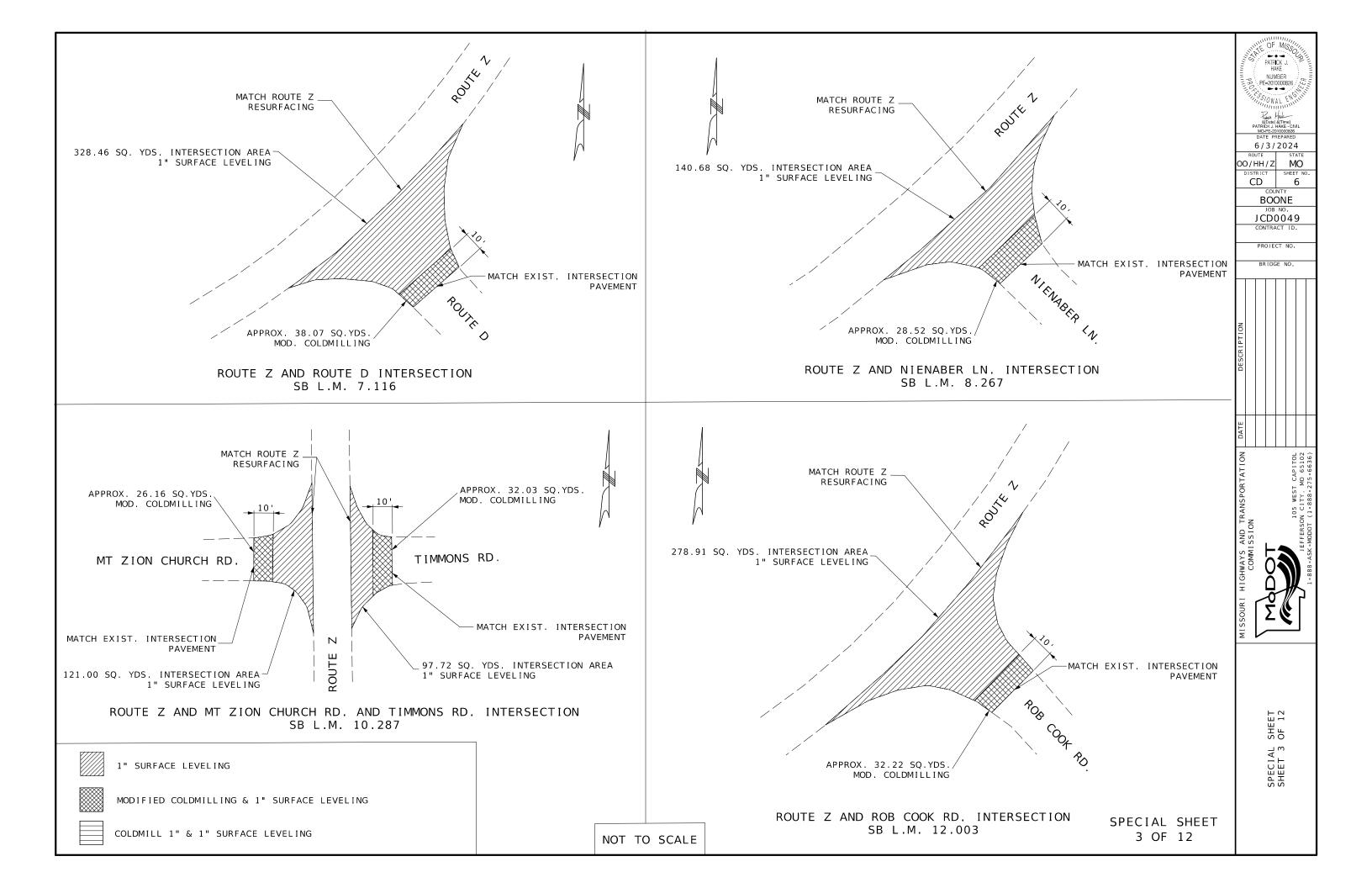
SPECIAL SHEET 1 OF 12

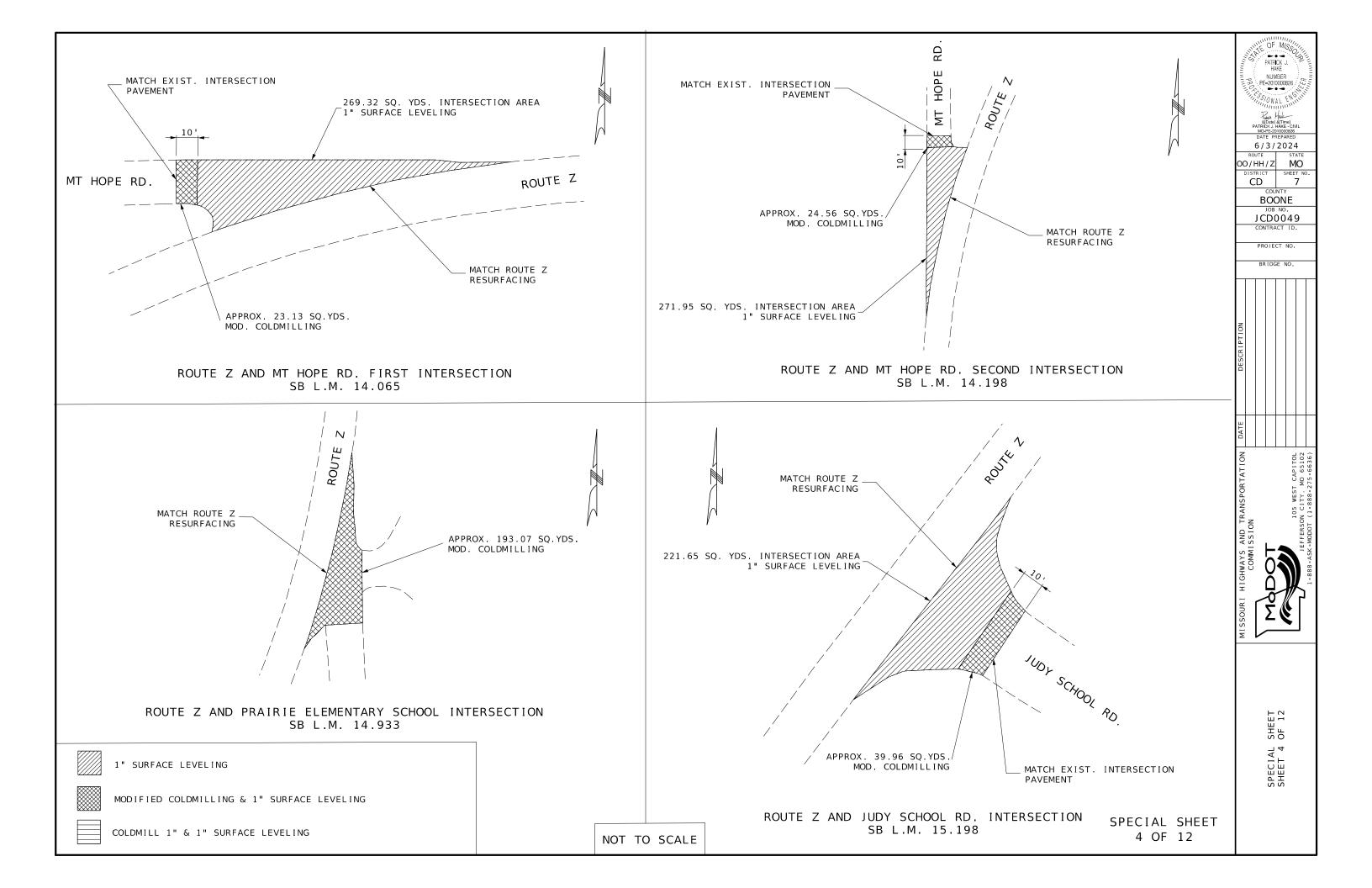
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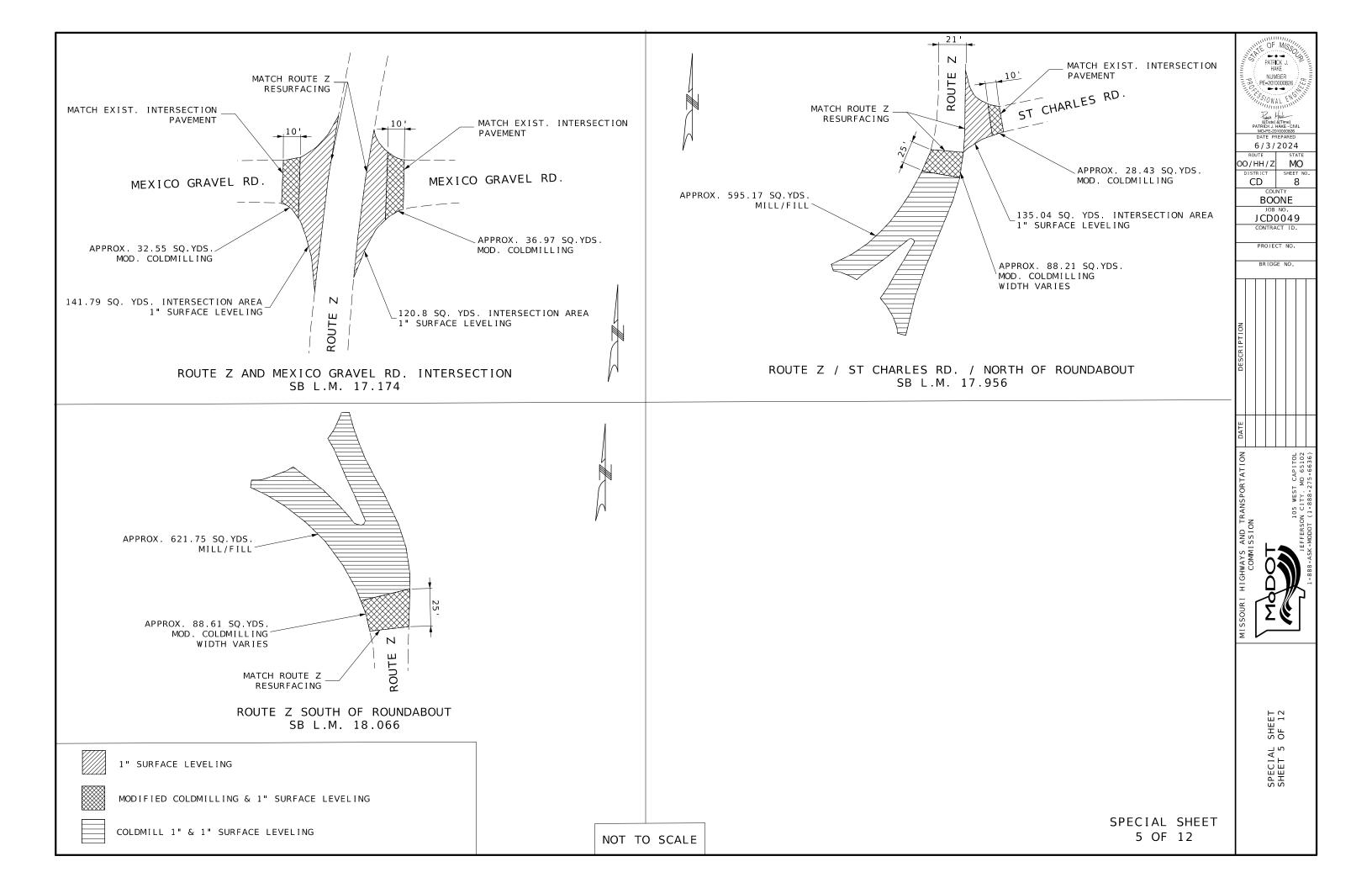
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
1-888-ASK-MODOT (1-888-275-6636)

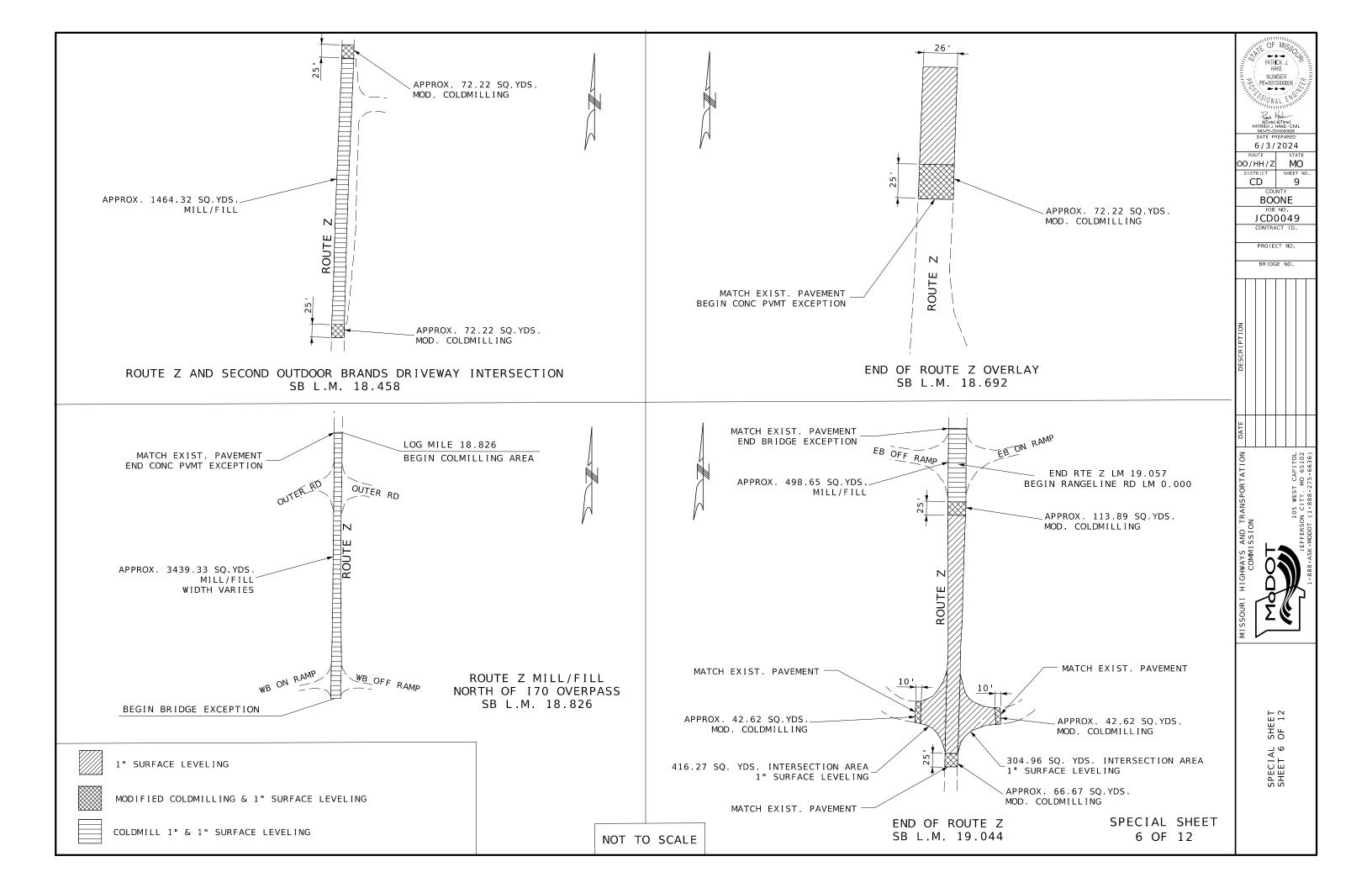
SPECIAL SHEET SHEET 1 OF 12

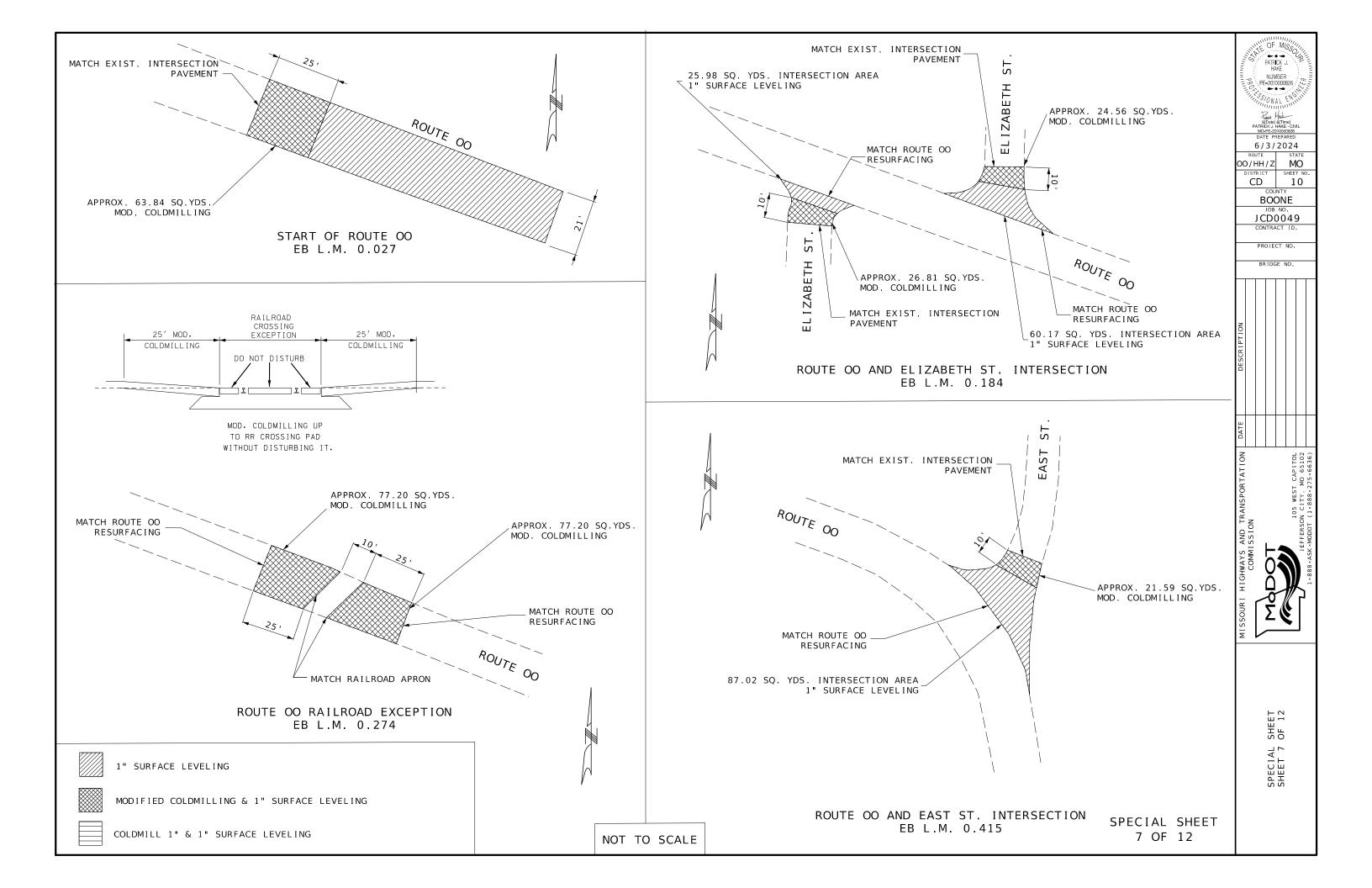


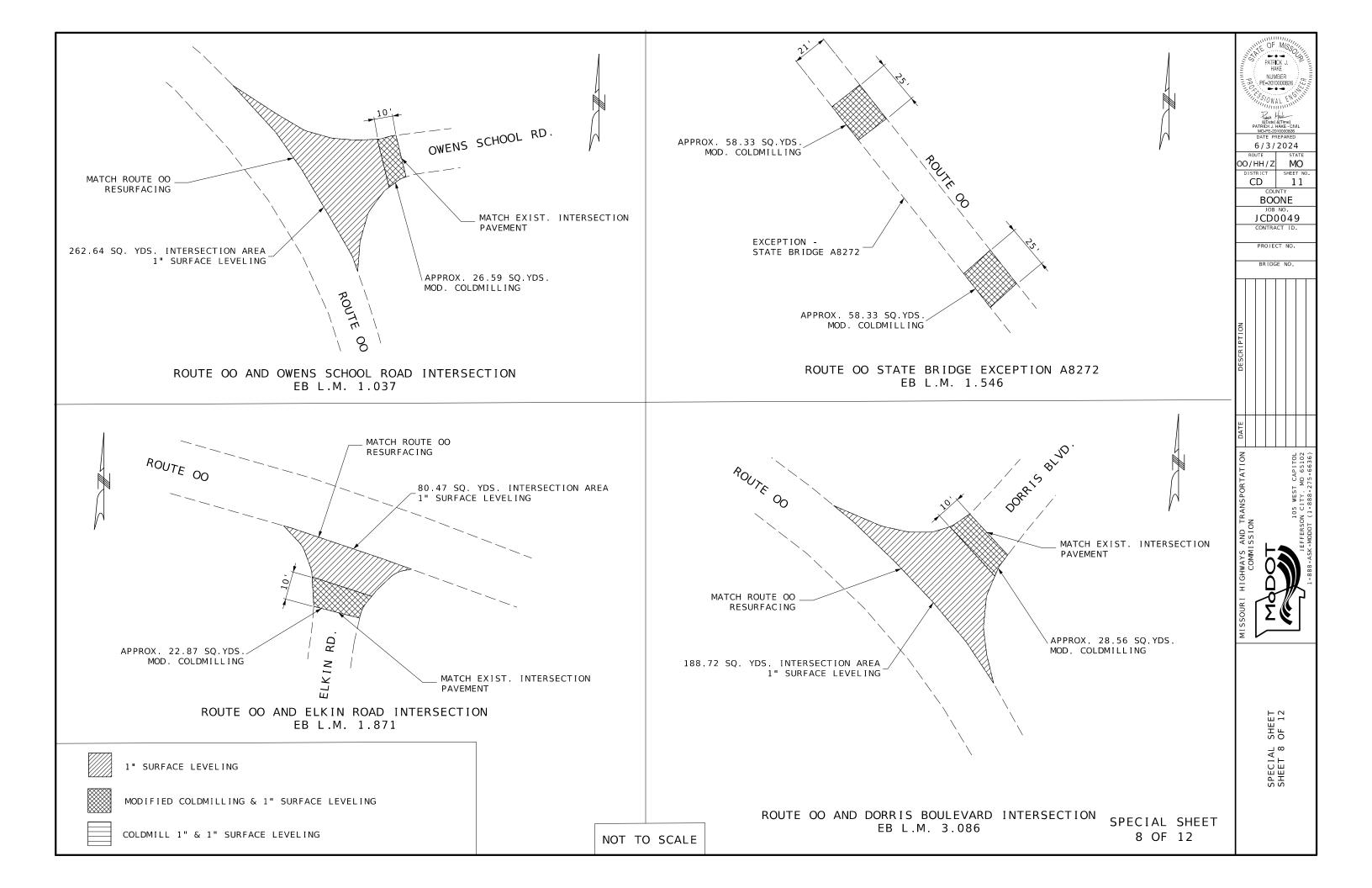


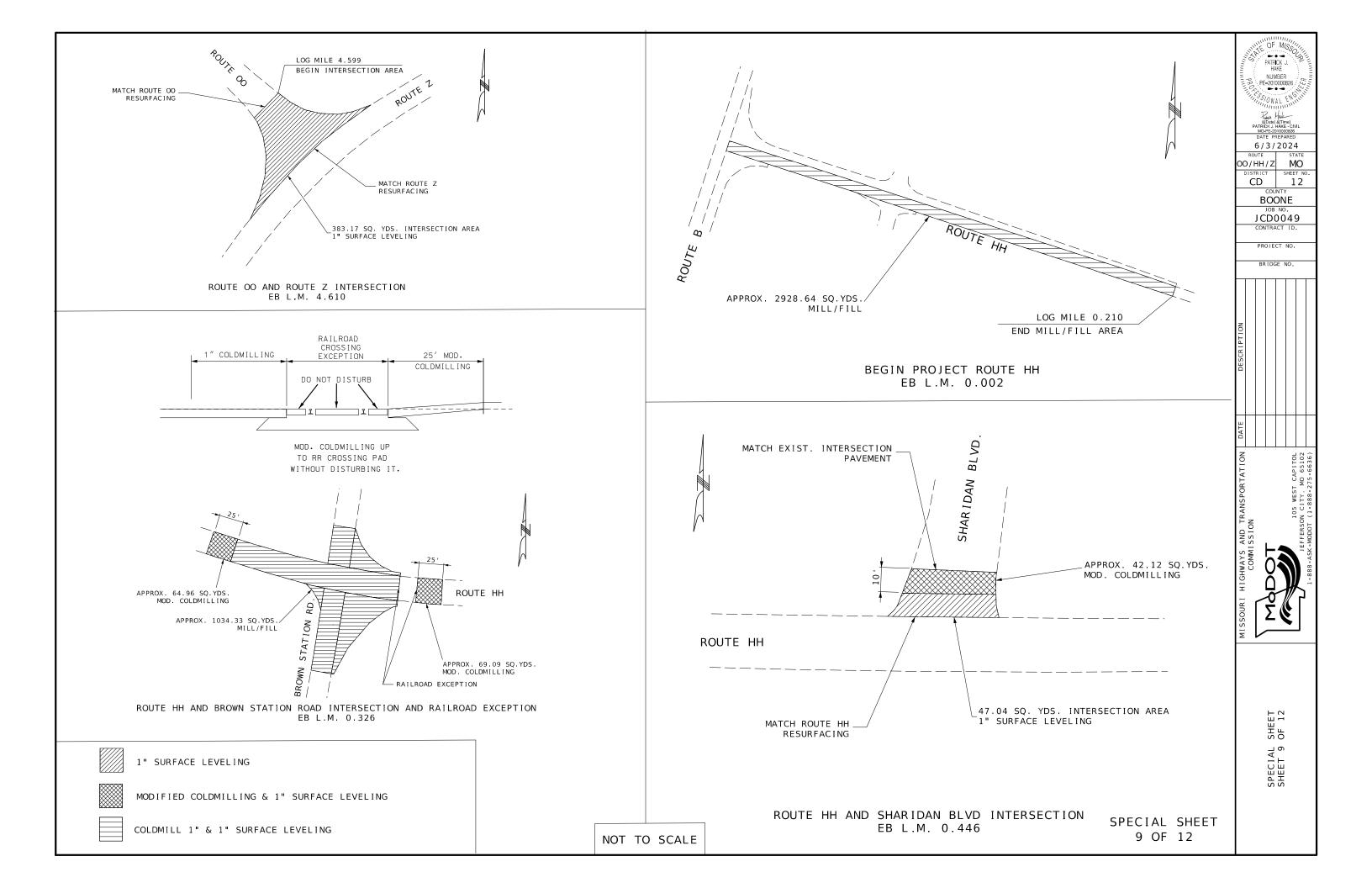


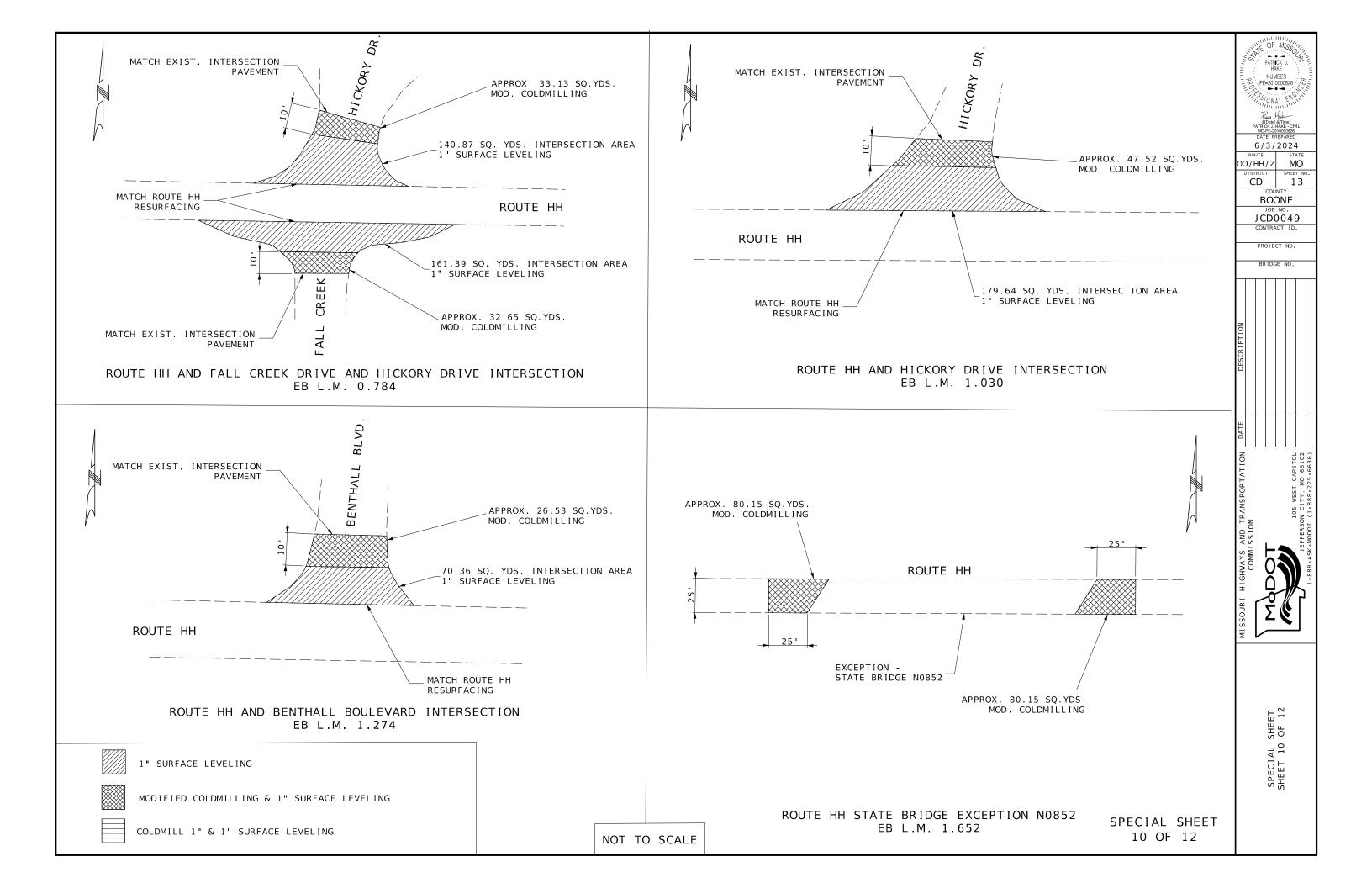


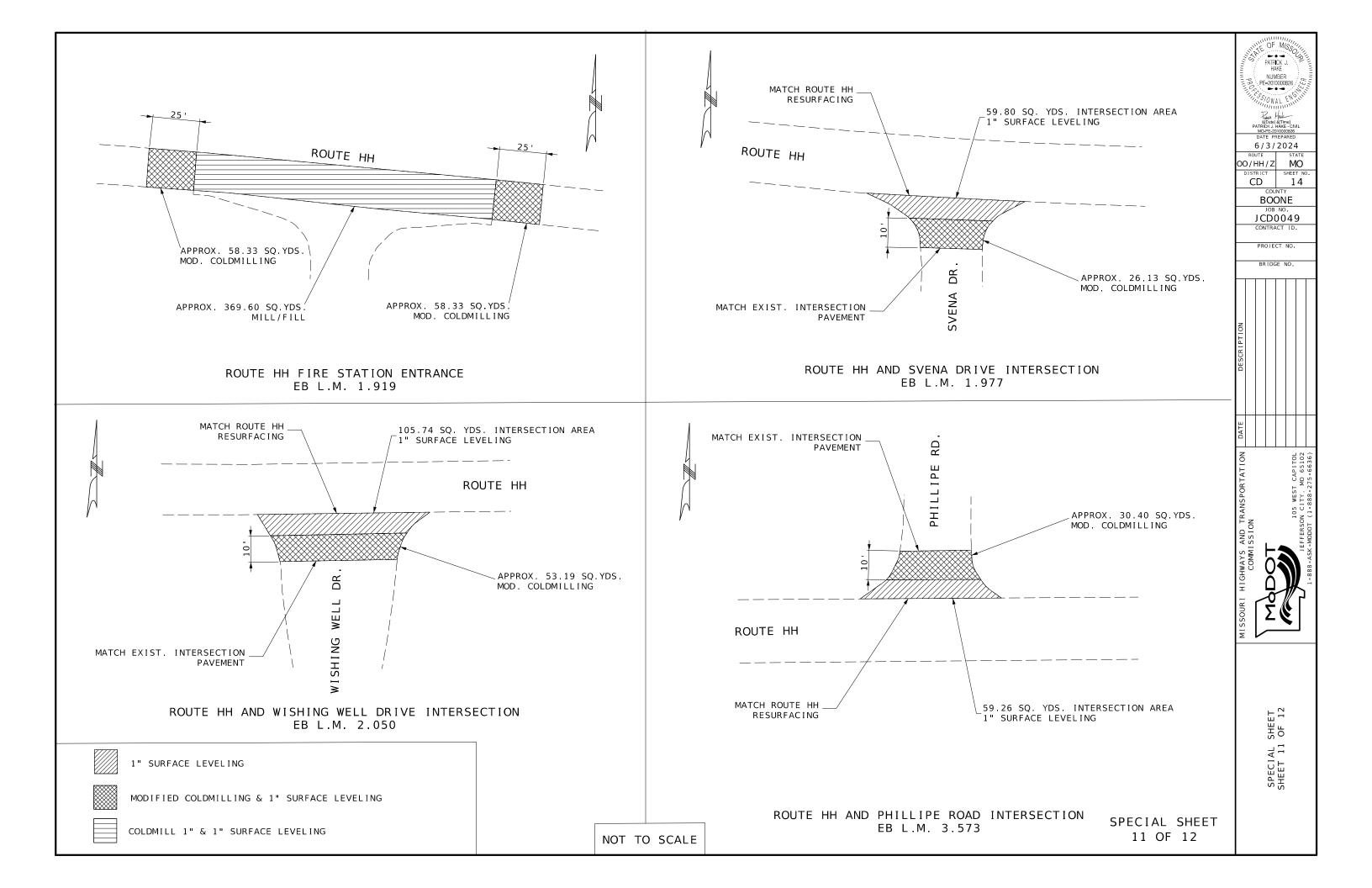


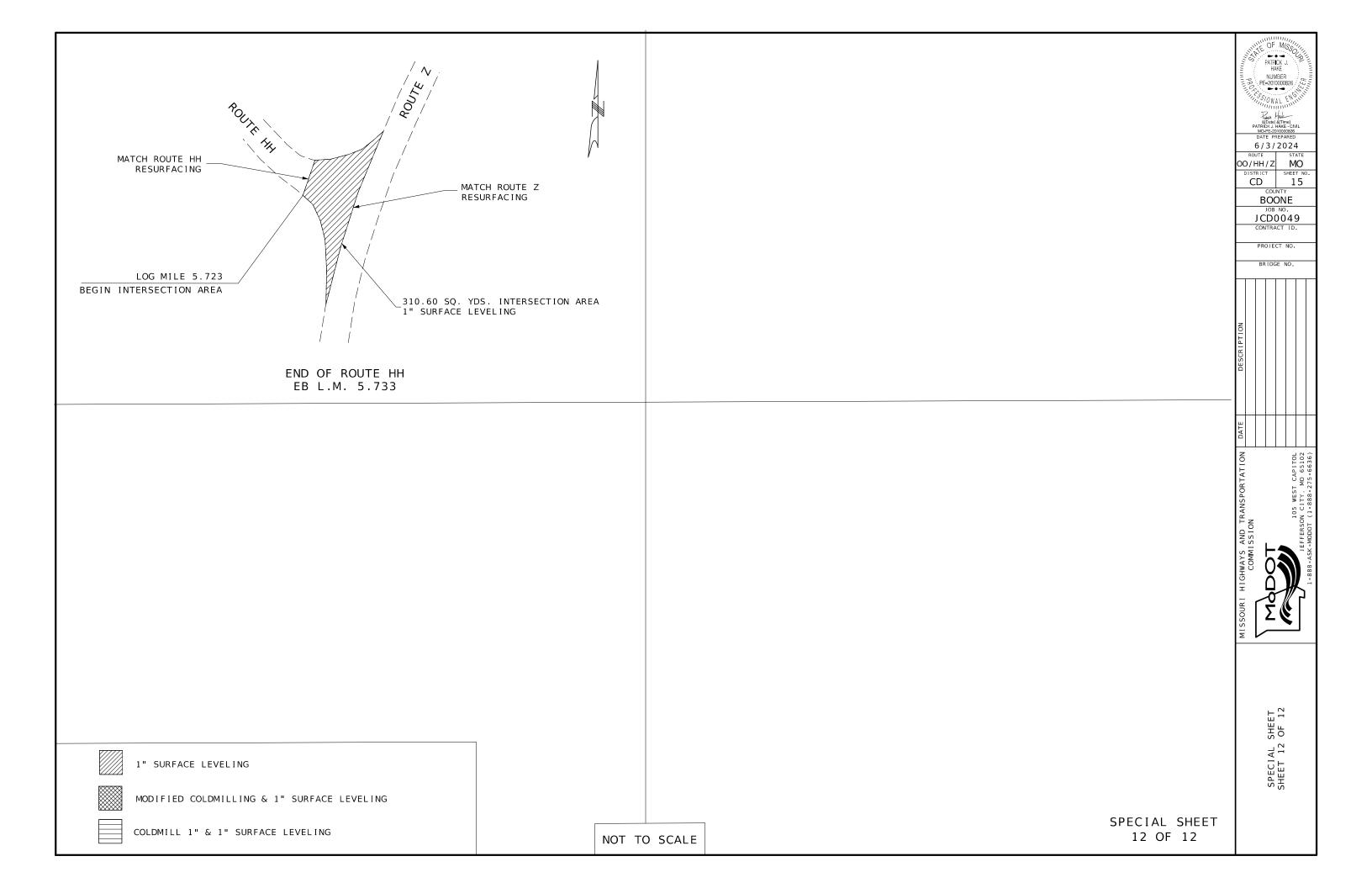


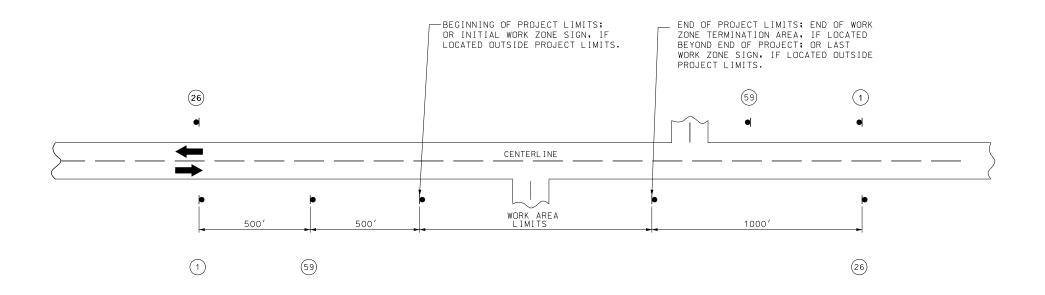










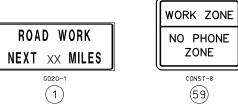


NOTES:

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.



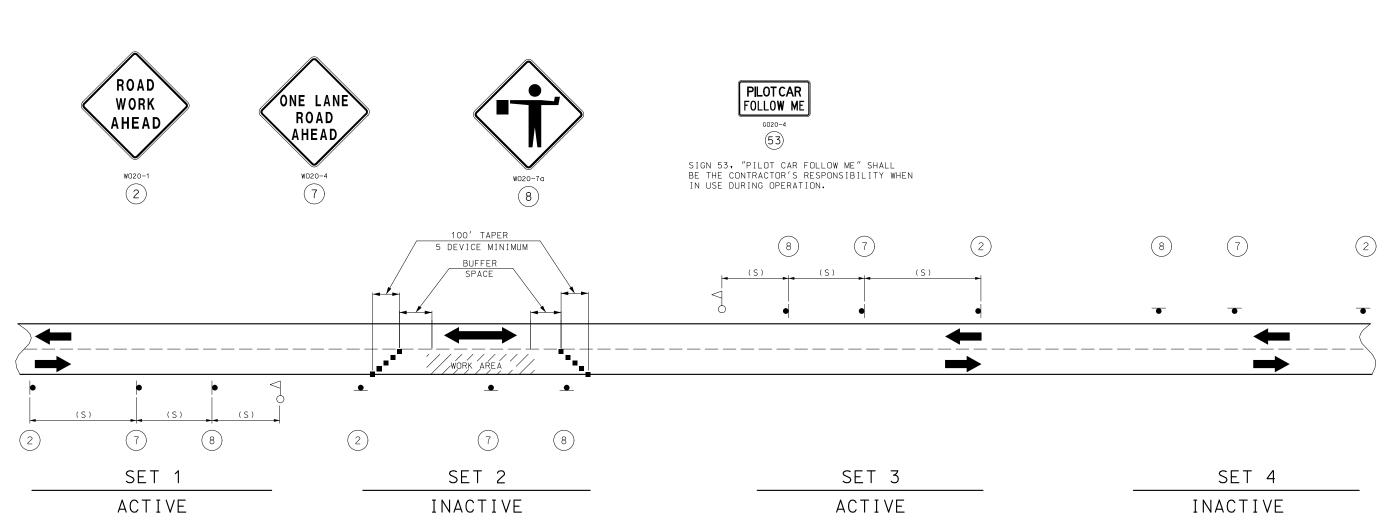
XX = 5 MILES FOR OO XX = 6 MILES FOR HH XX = 19 MILES FOR Z END ROAD WORK

PATRICK J. HAKE NUMBER PE-2010000826 ILSSIONAL ENG ALDER ALTIME!
A (Date) & (Time)
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED

6/3/2024 OO/HH/Z MO CD 16 BOONE JOB NO.
JCD0049
CONTRACT ID. PROJECT NO. BRIDGE NO.

TRAFFIC CONTROL SHEET 1 OF 5



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	280
40-45	350	400
50-55	500	560
60-70	1000	840

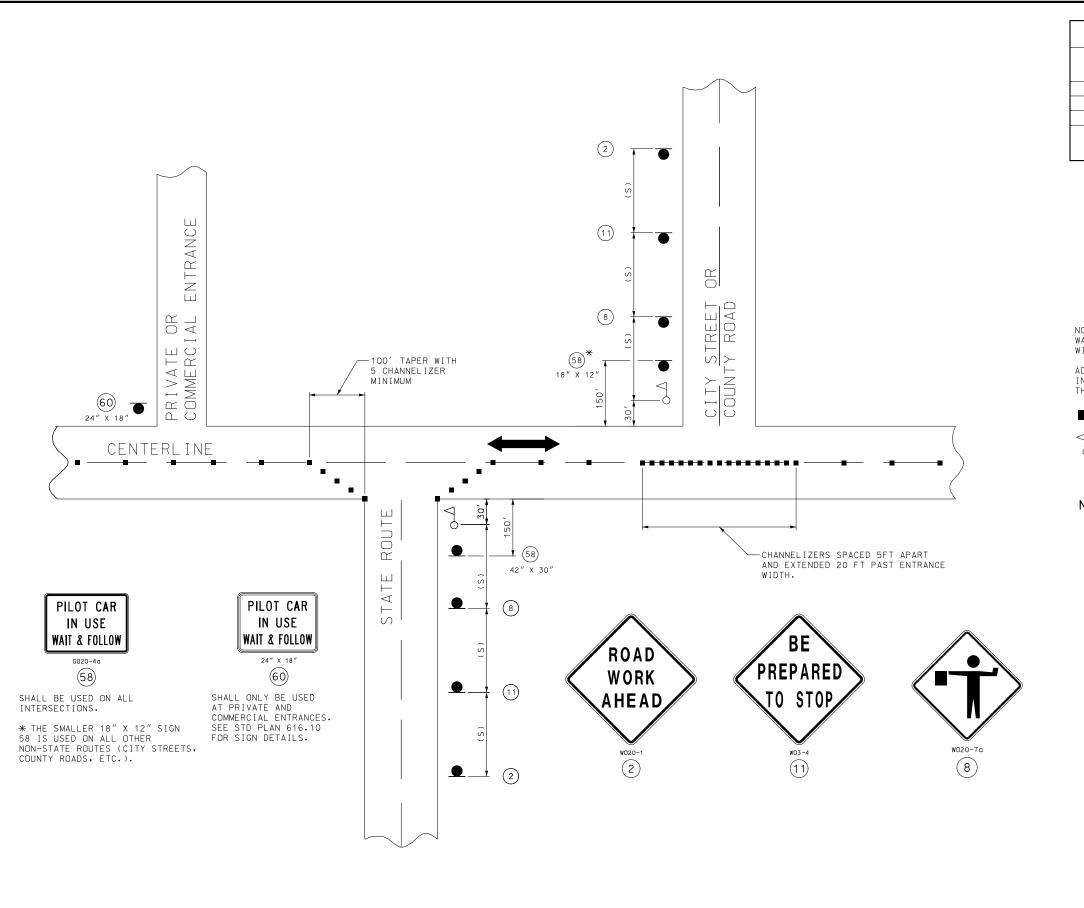
(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TRAFFIC CONTROL SHEET 2 OF 5

NUMBER PE-2010000826 SSIONAL E 6/3/2024 oo/hh/z MO CD 17 BOONE JCD0049 CONTRACT ID. PROJECT NO. BRIDGE NO.

> TRAFFIC CONTROL SHEET 2 OF 5



SIDE ROADS ENTERING WORK ZONES

SPEED	SIGN SPACING (FT) (1)	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
PE-2010000826

PATRICK J.
HAKE
NUMBER
PATRICK J.
PATRI

DATE DESCRIPTION

PROJECT NO.

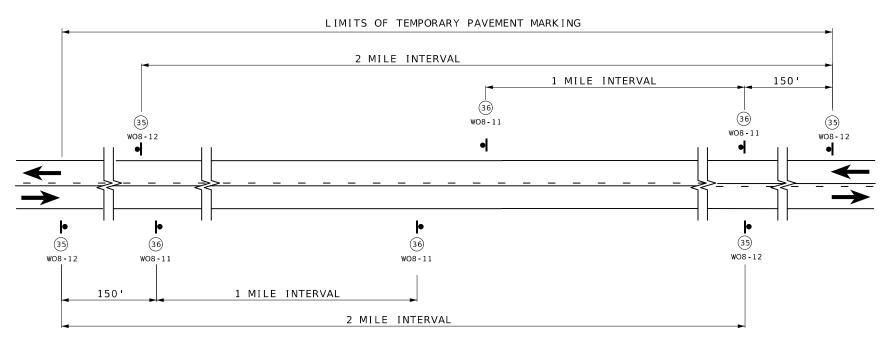
MISSOURI HIGHWAYS AND TRANSPORTATI
COMMISSION

MADOT

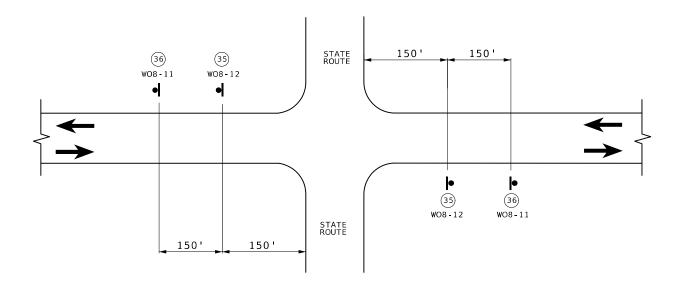
105 WEST CAPIJEFFERSON CITY, NO 653

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





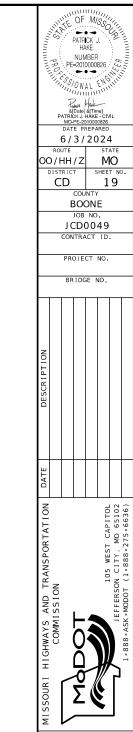
NOTES:

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.

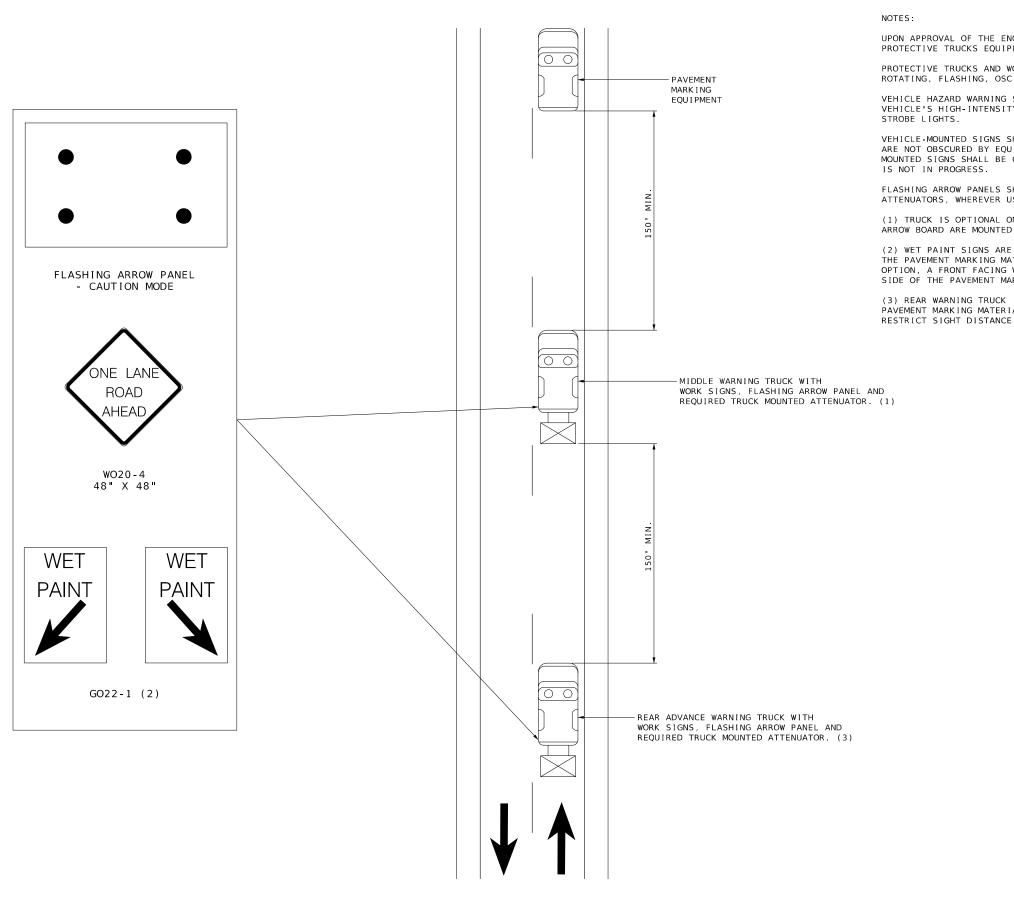
TRAFFIC CONTROL SHEET 4 OF 5



TRAFFIC CONTRO

SHEET

NOT TO SCALE



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

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

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

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

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

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

PATRICK J. HAKE NUMBER PE-2010000826

PATRICK J. HAKE - CIVIL MO-PE-2010000826 DATE PREPARED 6/3/2024

ROUTE STATE
OO/HH/Z MO
DISTRICT SHEET NO
CD 20

BOONE

JOB NO.

JCD0049 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

E DESCRIPTION

COMMISSION

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TRAFFIC CONTROL SHEET

TRAFFIC CONTROL SHEET 5 OF 5