MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

LINCOLN COUNTY

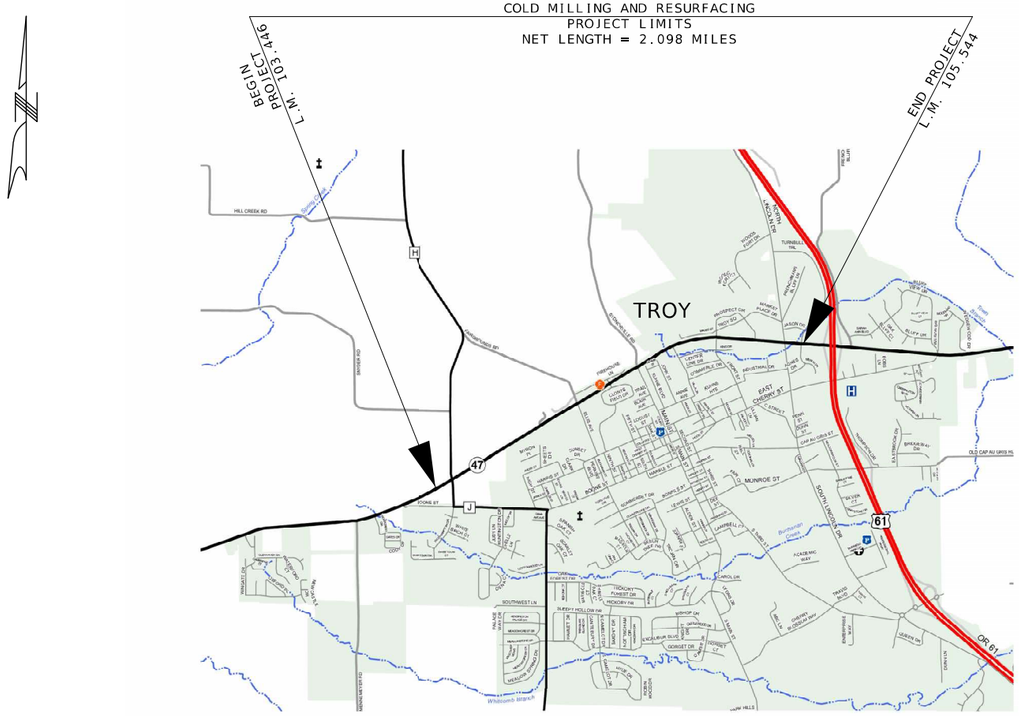
DESIGN DESIGNATION

MO47-W/O MAIN ST.		MO47 E/O MAIN ST.	
A.A.D.T. - 2024 =	15,553	A.A.D.T. - 2024 =	24,744
CONSTRUCTION YEAR (2026) =	15,697	CONSTRUCTION YEAR (2026) =	25,097
DESIGN YEAR (2046) =	18,179	DESIGN YEAR (2026) =	29,435
PEAK HOUR =	8.27%	PEAK HOUR =	8.27%
PERCENT TRUCKS =	8.48%	PERCENT TRUCKS =	13.02%
V =	45 M.P.H.	V =	35 M.P.H.

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

KEY MAP
LOCATION OF LINCOLN COUNTY

RTE 47
COLD MILLING AND RESURFACING
PROJECT LIMITS
NET LENGTH = 2.098 MILES



NOT TO SCALE

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	—FO—	—FO—
OVERHEAD CABLE TV	—OTV—	—OTV—
UNDERGROUND CABLE TV	—UTV—	—UTV—
OVERHEAD TELEPHONE	—OT—	—OT—
UNDERGROUND TELEPHONE	—UT—	—UT—
OVERHEAD POWER	—OE—	—OE—
UNDERGROUND POWER	—UE—	—UE—
SANITARY SEWER	—S—	—S—
STORM SEWER	—SS—	—SS—
GAS	—G—	—G—
WATER	—W—	—W—
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	—V—	
WOVEN WIRE	—X—	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (4 SHEETS)	2
QUANTITIES (QU) (6 SHEETS)	3
SPECIAL SHEETS (SS)	4-6
TRAFFIC CONTROL SHEETS (TC)	7-18
PAVEMENT MARKING (PM)	19-21

LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE 103.446
END OF PROJECT	LOG MILE 105.544
APPARENT LENGTH	11077.44 FEET

EQUATIONS AND EXCEPTIONS:

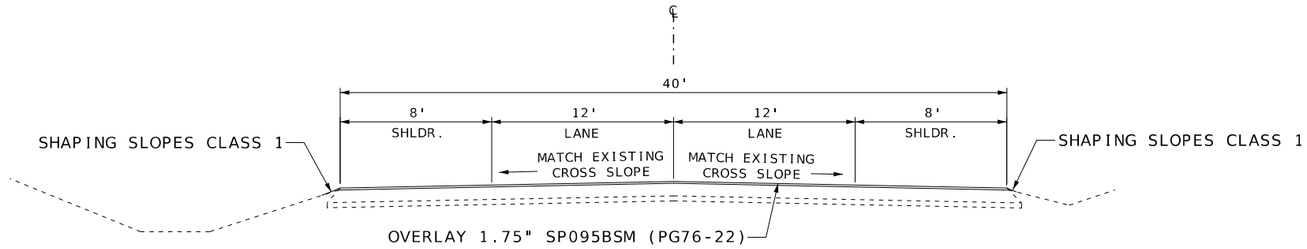
TOTAL CORRECTIONS	0	FEET
NET LENGTH OF PROJECT	11077.44	FEET
STATE LENGTH	2.098	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
11/03/2025 11:02:53 AM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

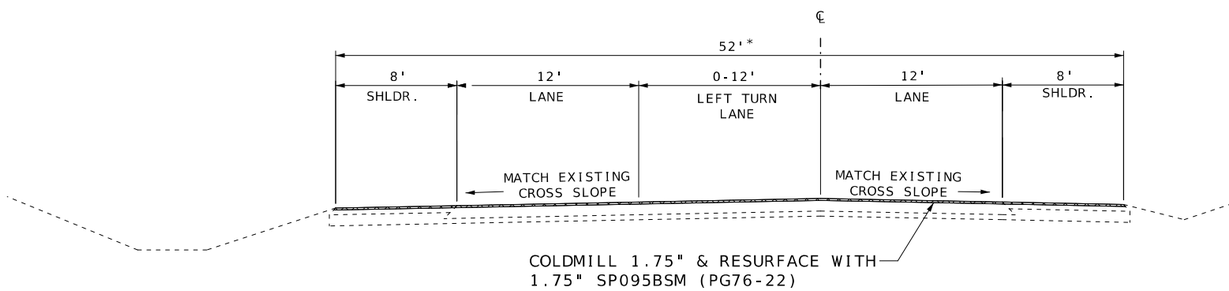
DATE PREPARED	11/3/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	1
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

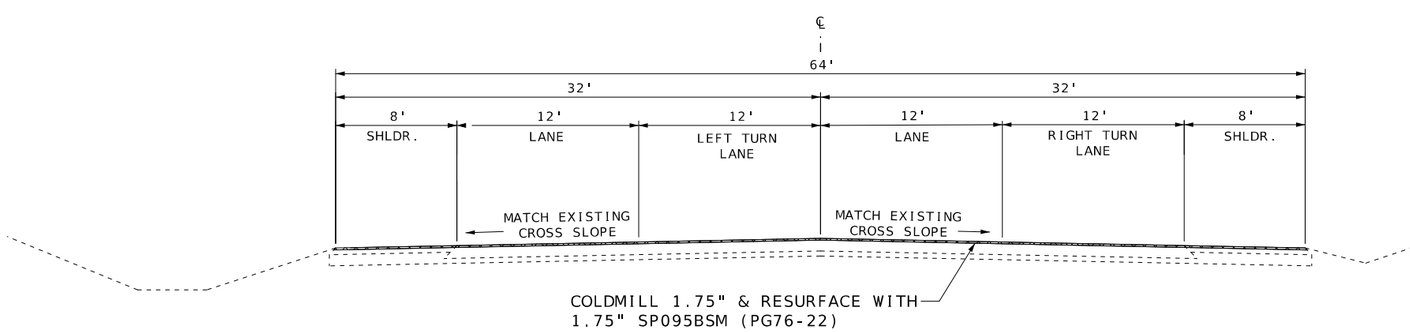
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



ROUTE 47
LOG MILE 103.654 TO LOG MILE 104.114



ROUTE 47
LOG MILE 103.500 TO LOG MILE 103.606 - 52'
LOG MILE 103.606 TO LOG MILE 103.654 - 52' TO 40'



ROUTE 47
LOG MILE 103.446 TO LOG MILE 103.500

NOT TO SCALE

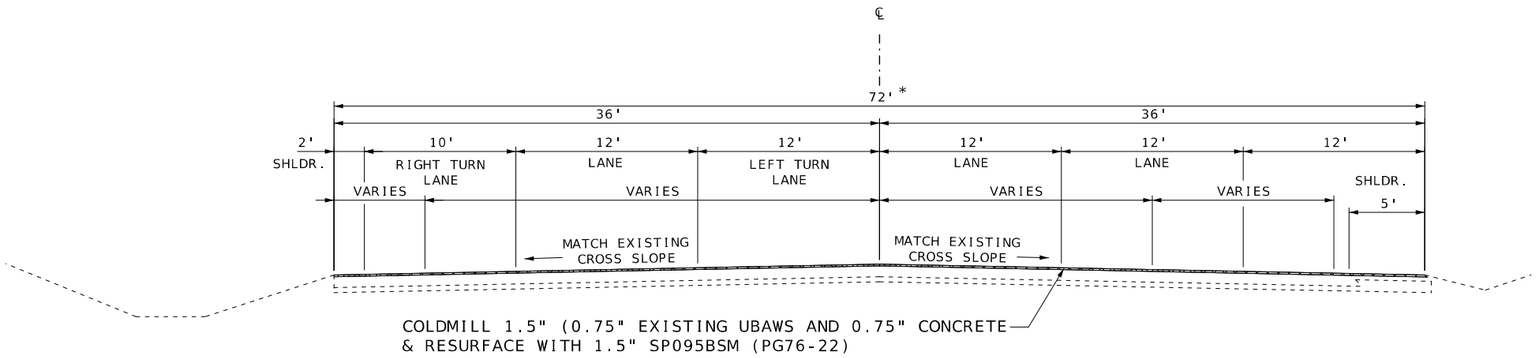
STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:06:06 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE 47	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

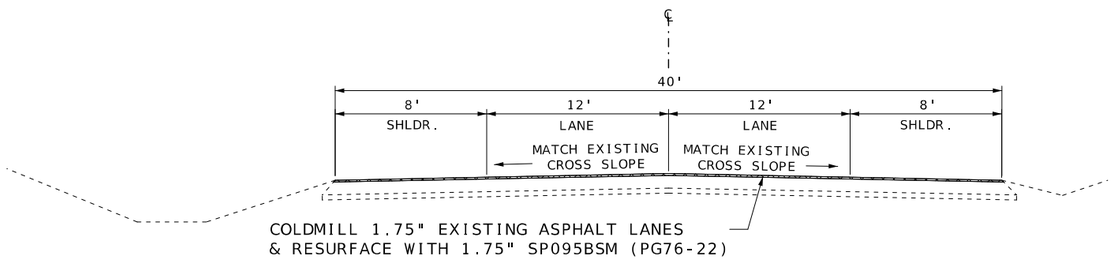
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

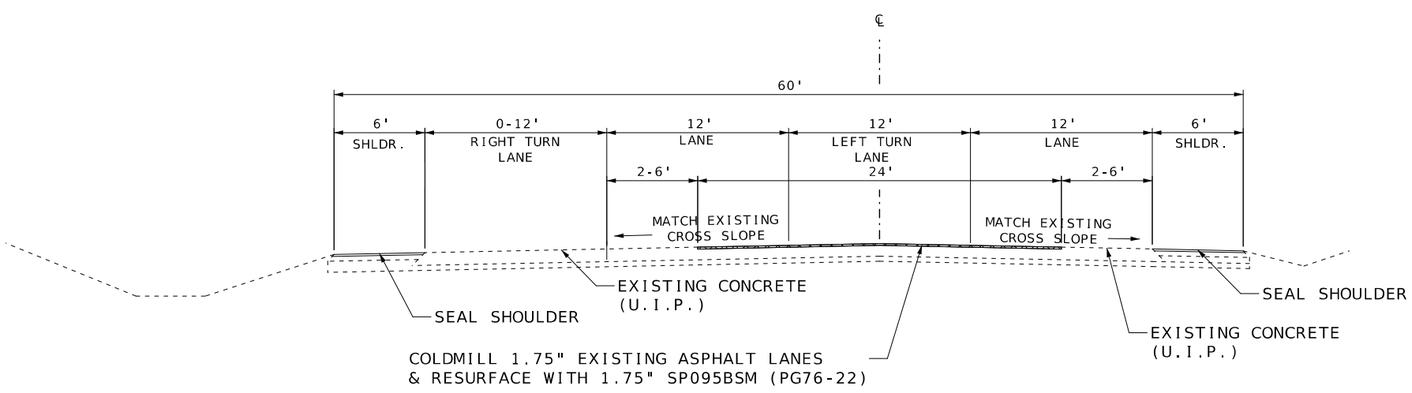
TYPICAL SECTIONS
SHEET 1 OF 4



ROUTE 47
*LOG MILE 104.563 TO LOG MILE 104.601 - 40'-64'
*LOG MILE 104.601 TO LOG MILE 104.639 - 64'
LOG MILE 104.639 TO LOG MILE 104.852 - 72'



ROUTE 47
LOG MILE 104.431 TO LOG MILE 104.563



ROUTE 47
LOG MILE 104.114 TO LOG MILE 104.431

NOT TO SCALE

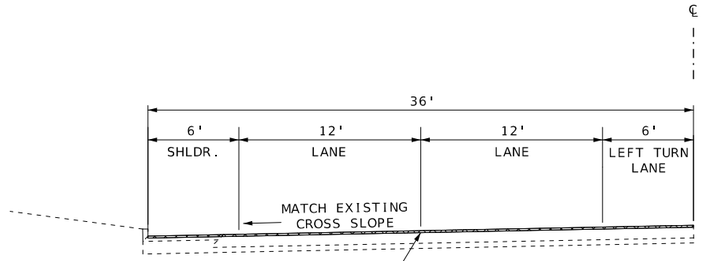
STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:09:59 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	2
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

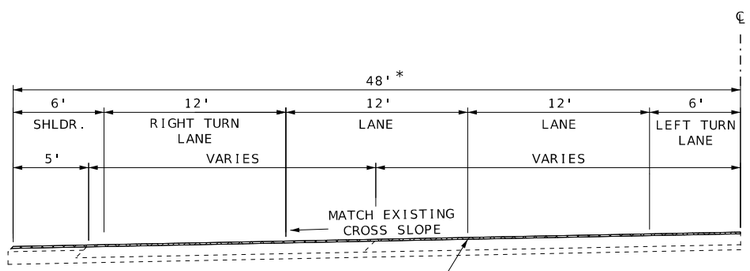
TYPICAL SECTIONS
SHEET 2 OF 4



COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE)
& RESURFACE WITH 1.5" SP095BSM (PG76-22)

ROUTE 47

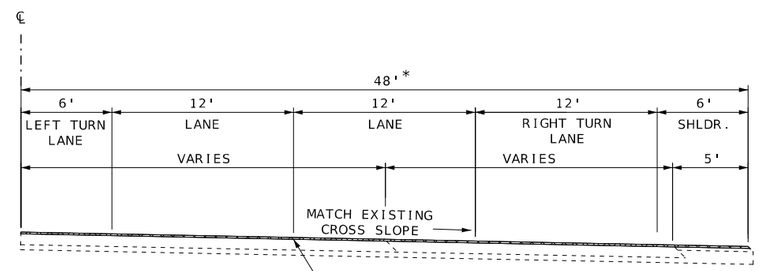
LOG MILE 105.222 TO LOG MILE 105.384



COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE)
& RESURFACE WITH 1.5" SP095BSM (PG76-22)

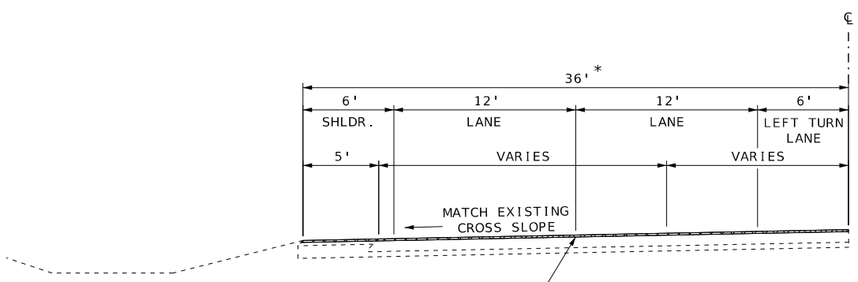
*LOG MILE 104.852 TO LOG MILE 104.893 -48'
*LOG MILE 104.893 TO LOG MILE 104.917 - 36'-48'
*LOG MILE 105.445 TO LOG MILE 105.491 - 48'
LOG MILE 105.491 TO LOG MILE 105.510 - 36' TO 48'

ROUTE 47



COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE)
& RESURFACE WITH 1.5" SP095BSM (PG76-22)

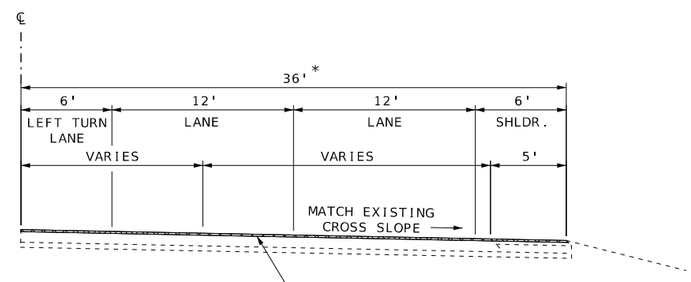
*LOG MILE 105.389 TO LOG MILE 105.407 - 36'-48'
*LOG MILE 105.407 TO LOG MILE 105.445 - 48'



COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE)
& RESURFACE WITH 1.5" SP095BSM (PG76-22)

LOG MILE 104.917 TO LOG MILE 104.959 - 36'
LOG MILE 104.959 TO LOG MILE 104.975 - 36'-38'
LOG MILE 105.384 TO LOG MILE 105.445 -36'
LOG MILE 105.510 TO LOG MILE 105.544 -36'

ROUTE 47



COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE)
& RESURFACE WITH 1.5" SP095BSM (PG76-22)

*LOG MILE 104.852 TO LOG MILE 104.941 - 36'
*LOG MILE 104.941 TO LOG MILE 104.975 - 36' TO 40'
*LOG MILE 105.222 TO LOG MILE 105.389 - 36'
*LOG MILE 105.445 TO LOG MILE 105.544 - 36'

NOT TO SCALE

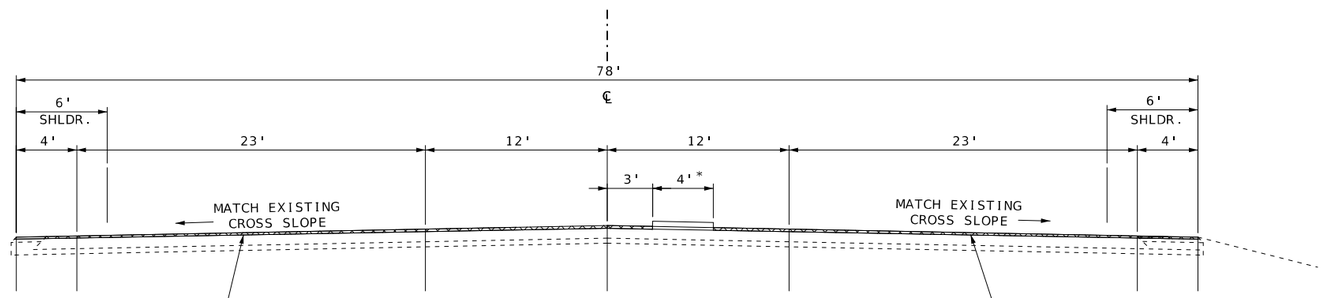
STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:10:09 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	2
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTIONS
SHEET 3 OF 4



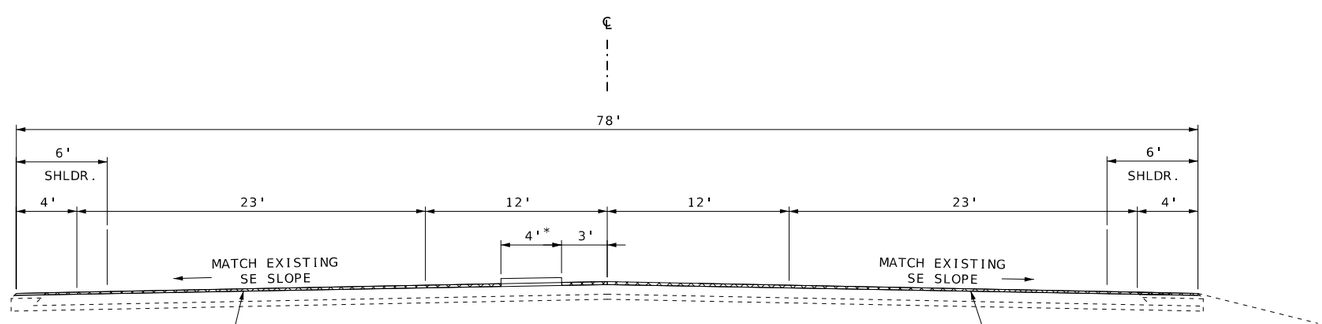
COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE
& RESRFACE WITH 1.5" SP095BSM (PG76-22)

ROUTE 47

LOG MILE 105.084 TO LOG MILE 105.222

COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE
& RESRFACE WITH 1.5" SP095BSM (PG76-22)

* WIDTH VARIES FROM 4-14'



COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE
& RESRFACE WITH 1.5" SP095BSM (PG76-22)

ROUTE 47

LOG MILE 104.975 TO LOG MILE 105.084

COLDMILL 1.5" (0.75" UBAWS AND 0.75" CONCRETE
& RESRFACE WITH 1.5" SP095BSM (PG76-22)

* WIDTH VARIES FROM 4-14'

NOT TO SCALE

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:10:48 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	2
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTIONS
SHEET 4 OF 4

SHAPING SLOPES CLASS 1				
LOG MILE	LOG MILE	LENGTH	SHAPING SLOPES	DESCRIPTION
		FT.	STA.	
103.654	104.114	2428.80	49	BOTH SHOULDERS
		TOTAL	49	

PAVEMENT SP095BSM (PG 76-22)									
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	SP095BSM PG 76-22 @ 1.913 TONS/CY (TONS)	TACK COAT (NON-TRACKING) 0.08 GAL/ SQ. YD. (GAL)	TACK COAT (NON-TRACKING) 0.10 GAL/ SQ. YD. (GAL)	REMARKS
103.446	103.500	285.12	1.75	64	2028	188.6		202.8	COLDMILL 1.75" AND RESURFACE
103.500	103.606	559.68	1.75	52	3234	300.7		323.4	COLDMILL 1.75" AND RESURFACE
103.606	103.654	253.44	1.75	46	1295	120.4		129.5	COLDMILL 1.75" AND RESURFACE
103.654	104.114	2428.80	1.75	40	10795	1003.9	863.6	0.0	RESURFACE 1.75"
104.114	104.431	1673.76	1.75	24	4463	415.0		446.3	COLDMILL 1.75" BETWEEN CONCRETE AND RESURFACE
104.431	104.563	696.96	1.75	40	3098	288.1		309.8	COLDMILL 1.75" AND RESURFACE
104.563	104.601	200.64	1.50	52	1159	92.4		231.8	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.601	104.639	200.64	1.50	64	1427	113.7		285.4	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.639	104.852	1124.64	1.50	72	8997	717.1		1799.4	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.852	104.893	216.48	1.50	48	1155	92.1		231.0	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.893	104.917	126.72	1.50	42	591	47.1		118.2	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.917	104.959	221.76	1.50	36	887	70.7		177.4	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.959	104.975	84.48	1.50	37	347	27.7		69.4	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.975	105.084	575.52	1.50	78	4566	363.9		913.2	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES (NO ISLANDS)
105.084	105.222	728.64	1.50	78	5727	456.5		1145.4	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES (NO ISLANDS)
105.222	105.384	855.36	1.50	36	3421	272.7		684.2	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.384	105.445	322.08	1.50	36	1288	102.7		257.6	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.445	105.491	242.88	1.50	48	1295	103.2		259.0	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.491	105.510	100.32	1.50	42	468	37.3		93.6	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.510	105.544	179.52	1.50	36	718	57.2		143.6	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.852	104.941	469.92	1.50	36	1880	149.9		376.0	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
104.941	104.975	179.52	1.50	38	758	60.4		151.6	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.222	105.389	881.76	1.50	36	3527	281.1		705.4	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.389	105.407	95.04	1.50	42	444	35.4		88.8	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.407	105.445	200.64	1.50	48	1070	85.3		214.0	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.445	105.510	343.20	1.50	36	1373	109.4		274.6	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.510	105.544	179.52	1.50	36	718	57.2		143.6	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
					SUBTOTAL	5,649.7	863.6	9,775.0	
					SUBTOTAL	793.2		1,550	PAVED APPROACHES
					TOTAL	6,442.9	12,189		

NOTE: CONTRACTOR SHALL PLACE TWO PASSES OF TACK
AT 0.1 GAL/SY EACH FOR ALL MILLED CONCRETE AREAS.

SURFACE SEALING TREATMENT					
LOG MILE	LOG MILE	LENGTH	SHOULDER WIDTH	MEASURED AREA	DESCRIPTION
		FT.	FT.	S.Y.	
104.114	104.239	660.00	6	880	BOTH SHOULDERS
104.292	104.438	770.88	6	1028	BOTH SHOULDERS
104.239	-		6	187	SHOULDER NW QUADRANT FAIRGROUNDS RD
104.292	-		6	130	SHOULDER NE QUADRANT FAIRGROUNDS RD
104.239	-		6	90	SHOULDER SW QUADRANT ELLIS AVE.
104.292	-		6	160	SHOULDER SE QUADRANT ELLIS AVE.
			TOTAL	2475	

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
11:03/2025 11:04:21 AM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED
11/3/2025

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
LINCOLN

JOB NO.
JNE0248

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET
SHEET 1 OF 6

APPROACH AREAS

LOG MILE	LOCATION	MEASURED AREA	COLDMILLING	DUST REMOVAL	SP095BSM PG76-22	TACK	DESCRIPTION
		S.Y.	S.Y.	SY	1.913 TONS/CY	0.1 GAL/SY	
EXISTING ASPHALT PAVEMENT AREAS							
103.5	RTE. H	1465	1465	1465	136.23	146.5	PAVED APPROACH
103.5	RTE. H	-80.5	-80.5	-80.5	-7.49	-8.1	CONCRETE ISLAND EXCEPTION
103.5	RTE. J	1633	1633	1633	151.86	163.3	PAVED APPROACH
103.5	RTE. J	-78	-78	-78	-7.25	-7.8	CONCRETE ISLAND EXCEPTION
103.97	FIELD ENT.	45	-	-	4.18	4.5	PAVED APPROACH
104.04	DUNARD DR.	107	-	-	9.95	10.7	PAVED APPROACH
104.46	CLONTS FIELD DR.	75	75	75	6.97	7.5	PAVED APPROACH
104.47	FIREHOUSE LN	132	132	132	12.28	13.2	PAVED APPROACH
EXISTING CONCRETE PAVEMENT WITH UBAWS AREAS				0			
104.62	SYNDONVILLE	801	801	801	63.85	160.2	PAVED APPROACH
104.62	SYNDONVILLE	-107	-107	-107	-8.53	-21.4	CONCRETE ISLAND EXCEPTION
104.62	MAIN ST.	912	912	912	72.69	182.4	PAVED APPROACH
104.62	MAIN ST.	-100	-100	-100	-7.97	-20.0	CONCRETE ISLAND EXCEPTION
104.85	VILLA DR. (N)	520	520	520	41.45	104.0	PAVED APPROACH
104.85	VILLA DR. (N)	-16	-16	-16	-1.28	-3.2	CONCRETE ISLAND EXCEPTION
104.85	VILLA DR. (S)	535	535	535	42.64	107.0	PAVED APPROACH
104.85	VILLA DR. (S)	-17	-17	-17	-1.36	-3.4	CONCRETE ISLAND EXCEPTION
105.08	PROSPECT DR.	781	781	781	62.25	156.2	PAVED APPROACH
105.08	PROSPECT DR.	-60	-60	-60	-4.78	-12.0	CONCRETE ISLAND EXCEPTION
105.08	FRONT ST.	1242	1242	1242	99.00	248.4	PAVED APPROACH
105.08	FRONT ST.	-70	-70	-70	-5.58	-14.0	CONCRETE ISLAND EXCEPTION
105.46	N. LINCOLN DR. (N)	944	944	944	75.24	188.8	PAVED APPROACH
105.46	N. LINCOLN DR. (N)	-159	-159	-159	-12.67	-31.8	CONCRETE ISLAND EXCEPTION
105.46	N. LINCOLN DR. (S)	1034	1034	1034	82.42	206.8	PAVED APPROACH
105.46	N. LINCOLN DR. (S)	-137	-137	-137	-10.92	-27.4	CONCRETE ISLAND EXCEPTION
		SUBTOTAL	9249.5	9249.5	793.18	1550.4	

TACK = 0.1 GALLONS PER SQ.YD. (DOUBLE TACK FOR MILLED CONCRETE)
SP095BSM = 1.913 TONS PER CU.YD.

REMOVAL OF DUST FROM COLDMILLED SURFACES

LOG MILE	LOG MILE	LENGTH (FT)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
103.446	103.500	285.12	64	2028	ASPHALT
103.500	103.606	559.68	52	3234	ASPHALT
103.606	103.654	253.44	46	1295	ASPHALT
104.114	104.431	1673.76	24	4463	ASPHALT BETWEEN CONCRETE LANES
104.431	104.563	696.96	40	3098	ASPHALT
104.563	104.601	200.64	52	1159	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.601	104.639	200.64	64	1427	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.639	104.852	1124.64	72	8997	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.852	104.893	216.48	48	1155	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.893	104.917	126.72	42	591	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.917	104.959	221.76	36	887	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.959	104.975	84.48	37	347	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.975	105.084	575.52	78	4566	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES (NO ISLANDS)
105.084	105.222	728.64	78	5727	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES (NO ISLANDS)
105.222	105.384	855.36	36	3421	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.384	105.445	322.08	36	1288	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.445	105.491	242.88	48	1295	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.491	105.510	100.32	42	468	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.510	105.544	179.52	36	718	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.852	104.941	469.92	36	1880	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
104.941	104.975	179.52	38	758	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.222	105.389	881.76	36	3527	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.389	105.407	95.04	42	444	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.407	105.445	200.64	48	1070	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.445	105.510	343.20	36	1373	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.510	105.544	179.52	36	718	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
			SUBTOTAL	55,934	
			SUBTOTAL	9,250	PAVED APPROACHES
			TOTAL	65,184	

ESTIMATE FACTORS

PROVIDED FOR INFORMATION PURPOSES ONLY

BITUMINOUS PAVEMENT MIXTURE SP095BSM PG76-22 = 1.913 TON/CY
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY
TACK COAT (COLDMILLING CONCRETE SURFACE) = 0.20 GAL/SY

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:13:46 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED: 9/29/2025
ROUTE: 47
STATE: MO
DISTRICT: NE
SHEET NO.: 3
COUNTY: LINCOLN
JOB NO.: JNE0248
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET
SHEET 2 OF 6

PAVEMENT MARKING PAINT

LOG MILE	LOG MILE	TYPE	LENGTH MILES	CLASS 1 4" YELLOW LIN. FT.	CLASS 1 8" WHITE LIN. FT.	CLASS 2 6" WHITE LIN. FT.	REMARKS
103.446	105.510	SW	2.064	-		21795.84	SOLID EDGELINES
103.488	103.536	SW	0.048			-506.88	EDGELINE EXCEPTION RTE H
103.475	103.523	SW	0.048			-506.88	EDGELINE EXCEPTION RTE J
104.256	104.294	SW	0.038			-401.28	EDGELINE EXCEPTION FAIRGROUNDS RD
104.249	104.282	SW	0.033			-348.48	EDGELINE EXCEPTION ELLIS AVE RD
104.622	104.656	SW	0.034			-359.04	EDGELINE EXCEPTION SYDNORVILLE RD
104.610	104.648	SW	0.038			-401.28	EDGELINE EXCEPTION MAIN STREET
104.833	104.869	SW	0.036			-380.16	EDGELINE EXCEPTION MAGEE ST.
104.833	104.869	SW	0.036			-380.16	EDGELINE EXCEPTION VILLA DR
105.057	105.105	SW	0.048			-506.88	EDGELINE EXCEPTION PROSPECT CIR
105.057	105.111	SW	0.054			-570.24	EDGELINE EXCEPTION FRONT ST
105.413	105.457	SW	0.044			-464.64	EDGELINE EXCEPTION N LINCOLN DR
105.422	105.471	SW	0.049			-517.44	EDGELINE EXCEPTION S LINCOLN DR
104.648	104.795	IW	0.147	-		388.08	INTERMITTENT LANE LINES
104.691	104.843	IW	0.152	-		401.28	INTERMITTENT LANE LINES
104.853	105.006	IW	0.153	-		201.96	INTERMITTENT LANE LINES
104.901	105.073	IW	0.172			227.04	INTERMITTENT LANE LINES
105.092	105.374	IW	0.282	-		744.48	INTERMITTENT LANE LINES
105.189	105.432	IW	0.243	-		320.76	INTERMITTENT LANE LINES
105.447	105.544	IW	0.097	-		128.04	INTERMITTENT LANE LINES
105.489	105.544	IW	0.055	-		145.20	INTERMITTENT LANE LINES
103.453	103.495	SW	0.042	-		443.52	SOLID LANE LINES X 2
103.515	103.558	SW	0.043	-		227.04	SOLID LANE LINES X 1
104.194	104.260	SW	0.066	-		348.48	SOLID LANE LINES X 1
104.282	104.316	SW	0.034	-		359.04	SOLID LANE LINES X 2
104.316	104.354	SW	0.038	-		200.64	SOLID LANE LINES X 1
104.595	104.620	SW	0.025	-		264.00	SOLID LANE LINES X 2
104.620	104.629	SW	0.009	-		47.52	SOLID LANE LINES X 1
104.643	104.691	SW	0.048	-		506.88	SOLID LANE LINES X 2
104.795	104.842	SW	0.047	-		496.32	SOLID LANE LINES X 2
104.853	104.901	SW	0.048	-		760.32	SOLID LANE LINES X 3
105.006	105.035	SW	0.029	-		153.12	SOLID LANE LINES X 1
105.035	105.076	SW	0.041	-		432.96	SOLID LANE LINES X 2
105.089	105.152	SW	0.063	-		665.28	SOLID LANE LINES X 2
105.152	105.189	SW	0.037	-		195.36	SOLID LANE LINES X 1
105.374	105.432	SW	0.058	-		612.48	SOLID LANE LINES X 2
105.403	105.432	SW	0.029	-		153.12	SOLID LANE LINES X 1
105.447	105.489	SW	0.042	-		665.28	SOLID LANE LINES X 3
105.504	105.544	SW	0.040	-		633.60	SOLID LANE LINES X 1
105.517	105.524	SW	0.007	-		110.88	SOLID LANE LINES X 1
105.520	105.527	SW	0.007	-		110.88	SOLID LANE LINES X 1
105.529	105.536	SW	0.007	-		110.88	SOLID LANE LINES X 1
105.531	105.540	SW	0.009	-		142.56	SOLID LANE LINES X 1
103.446	103.484	DSY	0.038	401.28			DOUBLE SOLID YELLOW CENTERLINE
103.519	103.577	DSY	0.058	612.48			DOUBLE SOLID YELLOW CENTERLINE
103.577	103.655	DSY	0.078	1647.36			DOUBLE SOLID YELLOW CENTERLINE X 2
103.655	104.114	DSY	0.459	4847.04			DOUBLE SOLID YELLOW CENTERLINE
104.114	104.194	DSY	0.080	1689.60			DOUBLE SOLID YELLOW CENTERLINE X 2
104.194	104.252	DSY	0.058	612.48			DOUBLE SOLID YELLOW CENTERLINE
104.288	104.354	DSY	0.066	696.96			DOUBLE SOLID YELLOW CENTERLINE
104.354	104.431	DSY	0.077	1626.24			DOUBLE SOLID YELLOW CENTERLINE X 2
104.431	104.620	DSY	0.189	1995.84			DOUBLE SOLID YELLOW CENTERLINE
104.648	104.710	DSY	0.062	654.72			DOUBLE SOLID YELLOW CENTERLINE
104.710	104.776	SYIY	0.066	435.60			SOLID YELLOW/INTERMITTENT YELLOW CENTERLINE X 2
104.776	104.839	DSY	0.063	1330.56			DOUBLE SOLID YELLOW CENTERLINE
104.853	104.918	DSY	0.065	686.40			DOUBLE SOLID YELLOW CENTERLINE
104.918	104.982	SYIY	0.064	844.80			SOLID YELLOW/INTERMITTENT YELLOW CENTERLINE X 2
104.982	105.073	DSY	0.091	960.96			DOUBLE SOLID YELLOW CENTERLINE
105.092	105.217	DSY	0.125	1320.00			DOUBLE SOLID YELLOW CENTERLINE
105.217	105.355	SYIY	0.138	1821.60			SOLID YELLOW/INTERMITTENT YELLOW CENTERLINE X 2
105.355	105.429	DSY	0.074	781.44			DOUBLE SOLID YELLOW CENTERLINE
105.449	105.521	DSY	0.072	760.32			DOUBLE SOLID YELLOW CENTERLINE
105.536	105.544	DSY	0.008	84.48			DOUBLE SOLID YELLOW CENTERLINE
				23810	0	26649	SUBTOTAL MAINLINE
				2118	1809	5950	SUBTOTAL PAVED APPROACHES
				25928	1809	32599	TOTALS

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:14:17 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED: 9/29/2025

ROUTE	STATE
47	MO

DISTRICT	SHEET NO.
NE	3

COUNTY: LINCOLN

JOB NO.: JNE0248

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET
SHEET 3 OF 6

PREFORMED THERMOPLASTIC PAVEMENT MARKING

LOG MILE	YIELD LINE EACH	24" YELLOW LIN. FT.	24" WHITE LIN. FT.	LEFT ARROW EACH	RIGHT ARROW EACH	STRAIGHT ARROW EACH	STRAIGHT/LT OR RT ARROW EACH	REMARKS
103.453			-	1	1	1		LANE MARKINGS H AND J
103.475			-	1	1	1		LANE MARKINGS H AND J
103.438		100						HASH BARS WEST SIDE H AND J
103.484			12					STOP BAR H AND J
103.495			12					STOP BAR H AND J
103.515			12					STOP BAR H AND J
103.519			12					STOP BAR H AND J
103.610		112						HASH BARS EAST SIDE H AND J
103.533			-	1			1	LANE MARKINGS H AND J
103.558			-	1			1	LANE MARKINGS H AND J
104.114		38						HASH BARS WEST SIDE FAIRGROUNDS RD
104.214			-	1			1	LANE MARKINGS FAIRGROUNDS RD
104.238			-	1			1	LANE MARKINGS FAIRGROUNDS RD
104.354		38						HASH BARS EAST SIDE FAIRGROUNDS RD
104.252			12					STOP BARS FAIRGROUNDS RD
104.26			12					STOP BARS FAIRGROUNDS RD
104.282			12					STOP BARS FAIRGROUNDS RD
104.288			12					STOP BARS FAIRGROUNDS RD
104.313			-	1	1	1		LANE MARKINGS FAIRGROUNDS RD
104.337			-	1				LANE MARKINGS FAIRGROUNDS RD
103.595			-	1	1	1		LANE MARKINGS MAIN ST
104.612			-	1	1	1		LANE MARKINGS MAIN ST
104.62			24					STOP BARS MAIN ST
104.643			12					STOP BARS MAIN ST
104.648			12					STOP BARS MAIN ST
104.656			-	1	1	1		LANE MARKINGS MAIN ST
104.68			-	1	1	1		LANE MARKINGS MAIN ST
104.809			-	1		1	1	LANE MARKINGS VILLA DR
104.833			-	1		1	1	LANE MARKINGS VILLA DR
104.839			12					STOP BARS VILLA DR
104.843			24					STOP BARS VILLA DR
104.849			-					CROSSWALK VILLA DR
104.853			24					STOP BARS VILLA DR
104.856			12					STOP BARS VILLA DR
104.869			-	1	1	2		LANE MARKINGS VILLA DR
104.889			-	1	1	2		LANE MARKINGS VILLA DR
105.038			-	1		1	1	LANE MARKINGS FRONT ST
105.062			-	1		1	1	LANE MARKINGS FRONT ST
105.073			12					STOP BARS FRONT ST
105.076			24					STOP BARS FRONT ST
105.089			24					STOP BARS FRONT ST
105.092			12					STOP BARS FRONT ST
105.105			-	1		1	1	LANE MARKINGS FRONT ST
105.128			-	1		1	1	LANE MARKINGS FRONT ST
105.266			-	2				TWLT MARKING
105.33			-	2				TWLT MARKING
105.378				1				LANE MARKINGS N. LINCOLN DR
105.403			-	1	1	2		LANE MARKINGS N. LINCOLN DR
105.422			-	1	1	2		LANE MARKINGS N. LINCOLN DR
105.429			12					STOP BARS N. LINCOLN DR
105.432			24					STOP BARS N. LINCOLN DR
105.447			24					STOP BARS N. LINCOLN DR
105.449			12					STOP BARS N. LINCOLN DR
105.457				1	1	2		LANE MARKINGS N. LINCOLN DR
105.481				1	1	2		LANE MARKINGS N. LINCOLN DR
105.51				1				LANE MARKINGS N. TURNBULL TR.
105.519			12					STOP BARS TURNBULL TRAIL
105.536			12					STOP BARS TURNBULL TRAIL
105.544				1				LANE MARKINGS N. TURNBULL TR.
	0	288	384	31	13	25	10	SUBTOTAL RTE 47
	8	0	276	10	2	6	4	SUBTOTAL APPROACHES
	8	288	660	41	15	31	14	TOTALS

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:14:54 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED
9/29/2025

ROUTE	STATE
47	MO

DISTRICT	SHEET NO.
NE	3

COUNTY
LINCOLN

JOB NO.
JNE0248

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET
SHEET 4 OF 6

PAVEMENT MARKING PAINT			PREFORMED THERMOPLASTIC PAVEMENT MARKING						
CLASS 1		CLASS 2							
4" YELLOW LIN. FT.	8" WHITE LIN. FT.	6" WHITE LIN. FT.	YIELD LINE EACH	24" WHITE LIN. FT.	LEFT ARROW EACH	RIGHT ARROW EACH	STRAIGHT ARROW EACH	STRAIGHT/LT OR RT ARROW EACH	REMARKS
	-			24	1	1	1		RTE J APPROACH MARKINGS
224		440							RTE J LANE LINES & DSY CENTERLINE
	198	808							RTE J EDGE LINES & ISLANDS
	-			24	1			1	RTE H APPROACH MARKINGS
225		138							RTE H LANE LINES & DSY CENTERLINE
	115	754							RTE H EDGE LINES & ISLANDS
	-			24	1			1	FAIRGROIUND RD APPROACH MARKINGS
140		100							FAIRGROUND RD LANE LINES AND DSY CENTERLINE
	83	285							FAIRGROUND RD EDGE LINES & ISLANDS
				24	1	1	1		ELLIS AVE APPROACH MARKINGS
147		275							ELLIS AVE LANE LINES & DSY CENTERLINE
-	220	263							ELLIS AVE EDGE LINES & ISLANDS
	-			24					SYNDONVILLE RD APPROACH MARKINGS
178									SYNDONVILLE RD LANE LINES & DSY CENTERLINE
	150	290							SYNDONVILLE RD EDGE LINES & ISLANDS
	-			12					MAIN ST APPROACH MARKINGS
168									MAIN ST LANE LINES & DSY CENTERLINE
280	195	70							MAIN ST EDGE LINES & ISLANDS
	-		4	24	1			1	MAGEE ST APPROACH MARKINGS
104		52							MAGEE ST LANE LINES & DSY CENTERLINE
	60	200							MAGEE ST EDGE LINES & ISLANDS
	-		4	24	1			1	VILLA DR APPROACH MARKINGS
90		45							VILLA DR LANE LINES & DSY CENTERLINE
-	68	220							VILLA DR EDGE LINES & ISLANDS
		230							VILLA DR CROSSWALKS
	-			24	1		1		PROSPECT DR APPROACH MARKINGS
156		78							PROSPECT DR LANE LINES & DSY CENTERLINE
	160	335							PROSPECT DR EDGE LINES & ISLANDS
	-			24	1		1		FRONT ST APPROACH MARKINGS
208		78							FRONT ST LANE LINES & DSY CENTERLINE
-	160	376							FRONT ST EDGE LINES & ISLANDS
	-			24	1		1		N. LINCOLN DR APPROACH MARKINGS
88		175							N LINCOLN DR LANE LINES & DSY CENTERLINE
	200	270							N LINCOLN DR EDGE LINES & ISLANDS
	-			24	1		1		S. LINCOLN DR APPROACH MARKINGS
110		196							S. LINCOLN DR LANE LINES & DSY CENTERLINE
-	200	272							S. LINCOLN DR EDGE LINES & ISLANDS
2118	1809	5950	8	276	10	2	6	4	SUBTOTALS

MOBILIZATION
1 LUMP SUM

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
103.654	103.687	175	1.75	40	778	
104.081	104.114	175	1.75	40	778	
104.558	104.563	25	1.75	54	150	
103.970		50	1.75	10	45	FIELD ENTRANCE
104.040		90	1.75	10	107	DUNARD
				SUBTOTAL	1,858	
				TOTAL	1,858	

VIDEO DETECTION SYSTEM			
LOG MILE	APPROACH	VIDEO DETECTION EACH	REMARKS
104.854	VILLA STREET INTERSECTION	1	
104.634	SYDNORVILLE RD/MAIN STREET	1	
TOTALS		2	

COLDMILLING EXISTING PAVEMENT						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
103.446	103.500	285.12	1.75	64	2028	ASPHALT
103.500	103.606	559.68	1.75	52	3234	ASPHALT
103.606	103.654	253.44	1.75	46	1295	ASPHALT
104.114	104.431	1673.76	1.75	24	4463	ASPHALT BETWEEN CONCRETE LANES
104.431	104.563	696.96	1.75	40	3098	ASPHALT
104.563	104.601	200.64	1.50	52	1159	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.601	104.639	200.64	1.50	64	1427	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.639	104.852	1124.64	1.50	72	8997	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE BOTH SIDES
104.852	104.893	216.48	1.50	48	1155	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.893	104.917	126.72	1.50	42	591	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.917	104.959	221.76	1.50	36	887	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.959	104.975	84.48	1.50	37	347	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.975	105.084	575.52	1.50	78	4566	COLDMILL 0.75" UBAWS, 0.75" CONCRETE BOTH SIDES (NO ISLANDS)
105.084	105.222	728.64	1.50	78	5727	COLDMILL 0.75" UBAWS, 0.75" CONCRETE BOTH SIDES (NO ISLANDS)
105.222	105.384	855.36	1.50	36	3421	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.384	105.445	322.08	1.50	36	1288	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.445	105.491	242.88	1.50	48	1295	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.491	105.510	100.32	1.50	42	468	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
105.510	105.544	179.52	1.50	36	718	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE LEFT SIDE
104.852	104.941	469.92	1.50	36	1880	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
104.941	104.975	179.52	1.50	38	758	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.222	105.389	881.76	1.50	36	3527	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.389	105.407	95.04	1.50	42	444	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.407	105.445	200.64	1.50	48	1070	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.445	105.510	343.20	1.50	36	1373	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
105.510	105.544	179.52	1.50	36	718	COLDMILL 0.75" UBAWS AND 0.75" CONCRETE RIGHT SIDE
				SUBTOTAL	55,934	
				SUBTOTAL	9,250	PAVED APPROACHES
				TOTAL	65,184	

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:15:31 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED 9/29/2025

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
NE	3

COUNTY LINCOLN

JOB NO. JNE0248

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET
SHEET 5 OF 6

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00	4	64.00			36	UNEVEN LANES
WO8-12	48X48	16.00	2	32.00			35	NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00	2	8.00			61	DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	14	224.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00	14	224.00			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	2	32.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	2	32.00			6	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	14	224.00			8	FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	4	8.76				WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20.00			1	ROAD WORK NEXT 2 MILES
GO20-2	48X24	8.00	2	16.00			26	END ROAD WORK
GO20-4	36X18	4.50	2	9.00			53	PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75	2	17.50			60	PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50	7	10.50			58	PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25	2	12.50			45	RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00	2	24.00			42	KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00	2	24.00			59	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL 983	
616-10.10 RELOCATED SIGNS		TOTAL

ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025 DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001	* 1	TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	200	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030		TYPE 3 MOVEABLE BARRICADE
6161033	28	DIRECTION INDICATOR BARRICADE
6161040	2	FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	* 2	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

TRAFFIC CONTROL
1 LUMP SUM

NOTE: FOR INFORMATIONAL PURPOSES ONLY, SEE LUMP SUM TRAFFIC CONTROL PAY ITEM
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION
* NOT INCLUDED IN LUMP SUM TRAFFIC CONTROL PAY ITEM

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:16:00 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED 9/29/2025

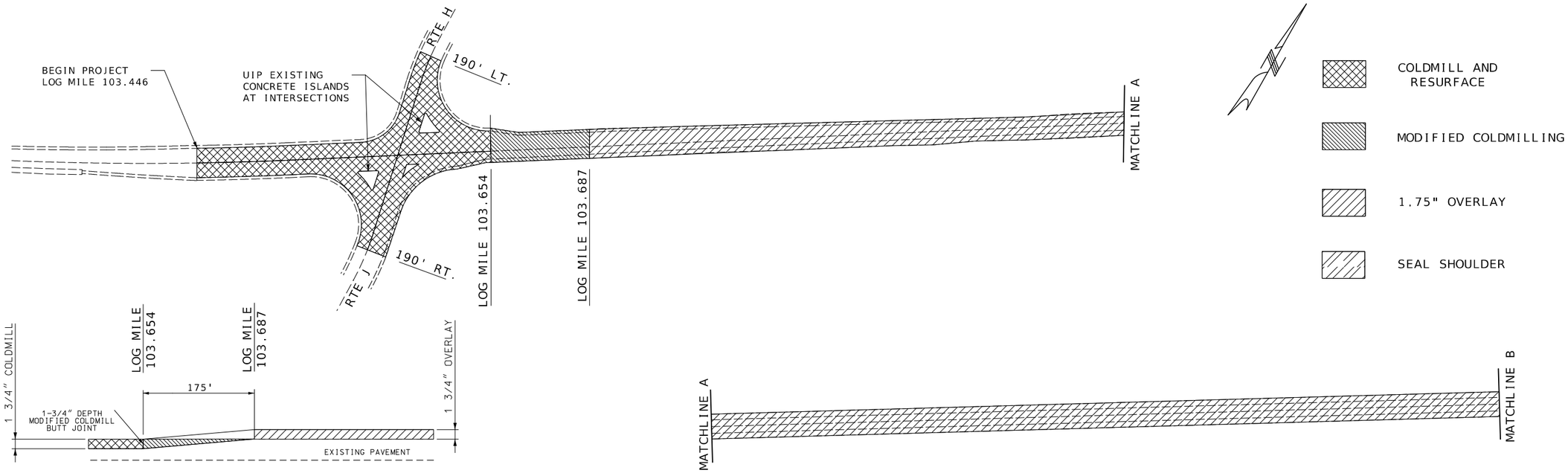
ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
NE	3

COUNTY LINCOLN
JOB NO. JNE0248
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

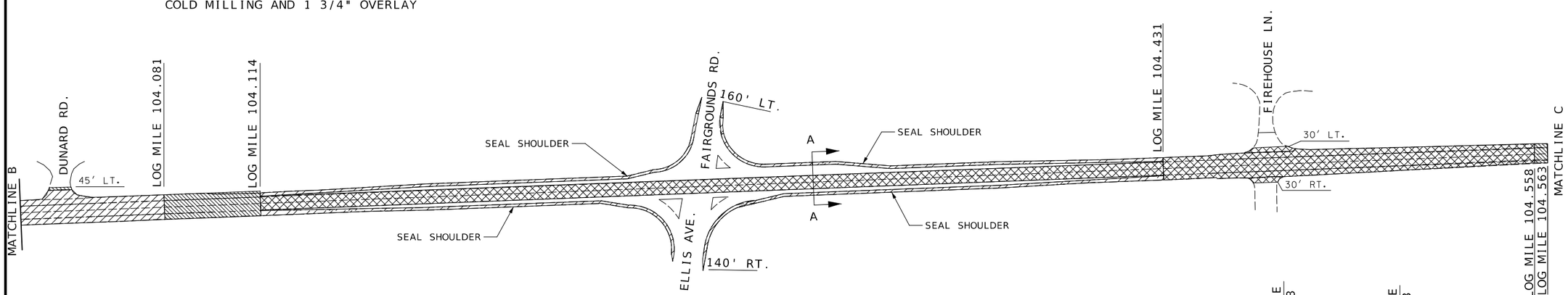
DATE	DESCRIPTION

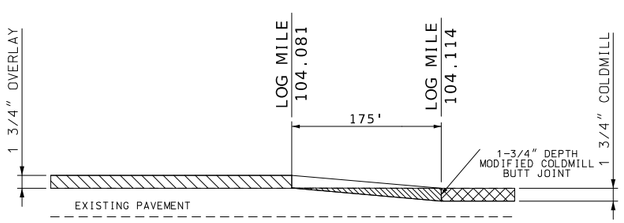
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET
SHEET 6 OF 6

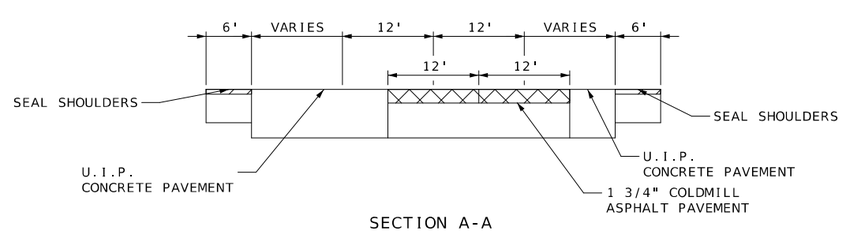


TRAVELWAY DEPTH TRANSITIONS
COLD MILLING AND 1 3/4" OVERLAY

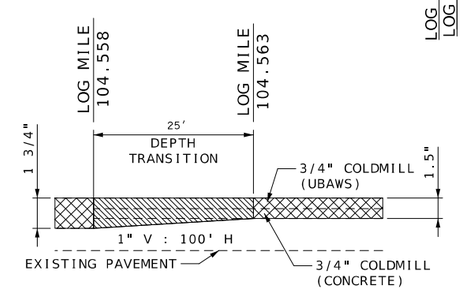




TRAVELWAY DEPTH TRANSITIONS
COLD MILLING AND 1 3/4" OVERLAY



SECTION A-A
CONCRETE TURN LANES
LOG MILE 104.114 TO LOG MILE 104.431



TRAVELWAY DEPTH TRANSITION
COLDMILL 1 3/4" TO 1 1/2"

NOT TO SCALE

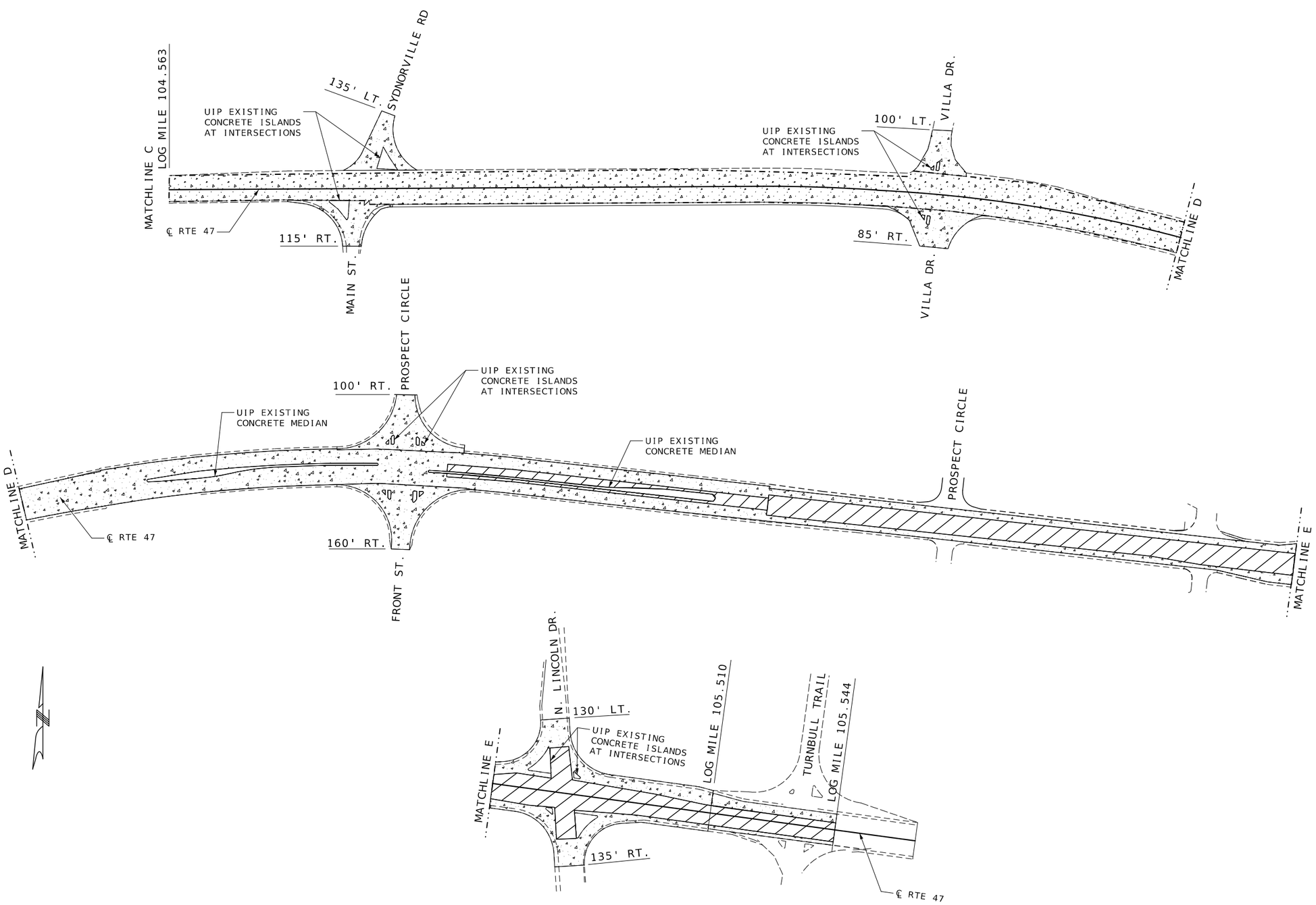
STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:17:57 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	
9/29/2025	
ROUTE 47	STATE MO
DISTRICT NE	SHEET NO. 4
COUNTY LINCOLN	
JOB NO. JNE0248	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
COLD MILLING DETAILS
SHEET 1 OF 3



1.5″ COLDMILL AND RESURFACE (0.75″ UBAWS + 0.75″ CONCRETE MILL)

1.5″ COLDMILL AND RESURFACE (0.75″ UBAWS + 0.75″ EXIST. ASPHALT)

NOT TO SCALE

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:18:33 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

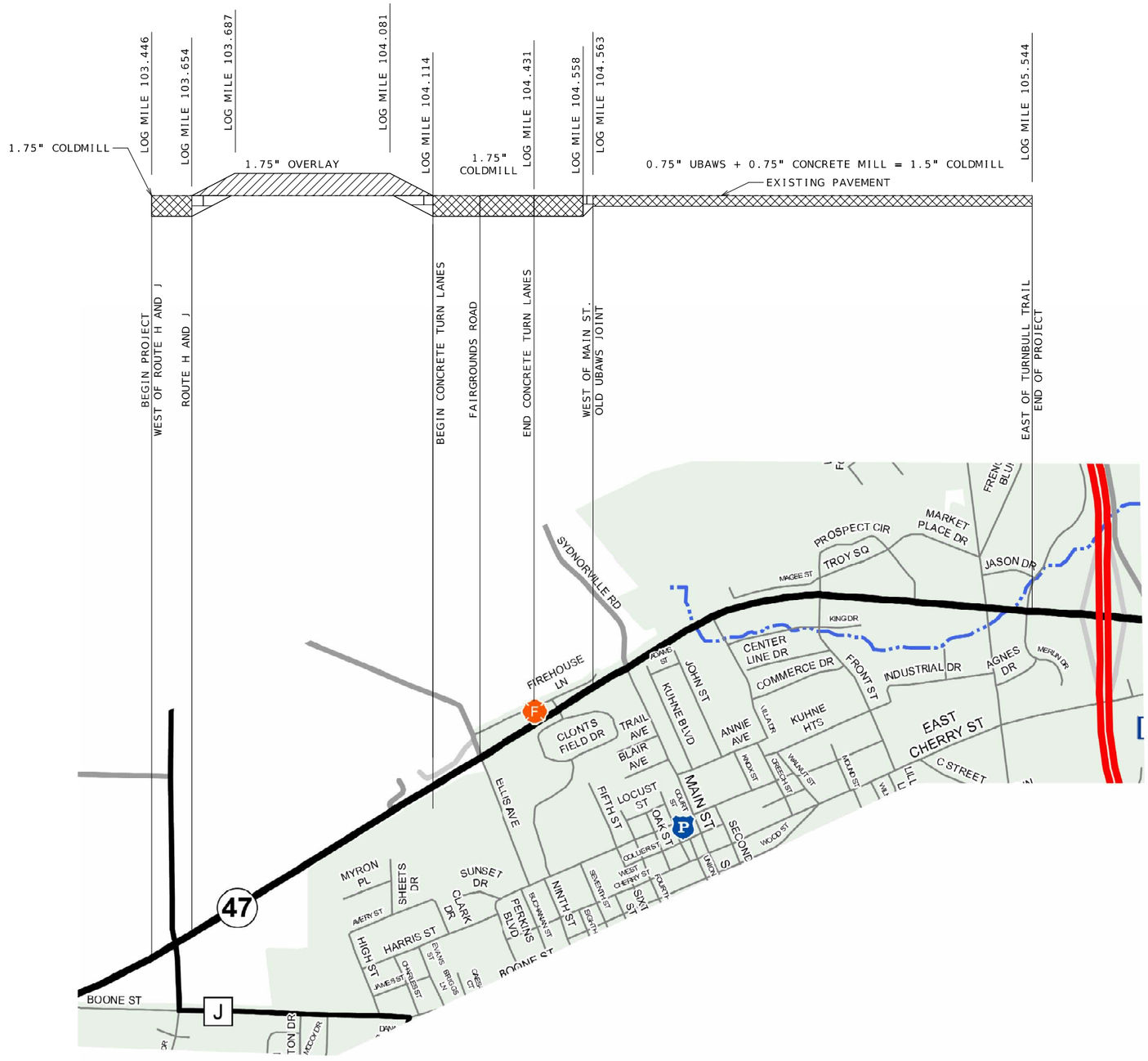
DATE PREPARED	
9/29/2025	
ROUTE 47	STATE MO
DISTRICT NE	SHEET NO. 5
COUNTY LINCOLN	
JOB NO. JNE0248	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
COLD MILLING DETAILS
SHEET 2 OF 3



NOTE: ALL DEPTH TRANSITIONS ARE 1"V TO 100'H

COLDMILL AND RESURFACE

OVERLAY

MODIFIED COLDMILL

NOT TO SCALE

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:19:04 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

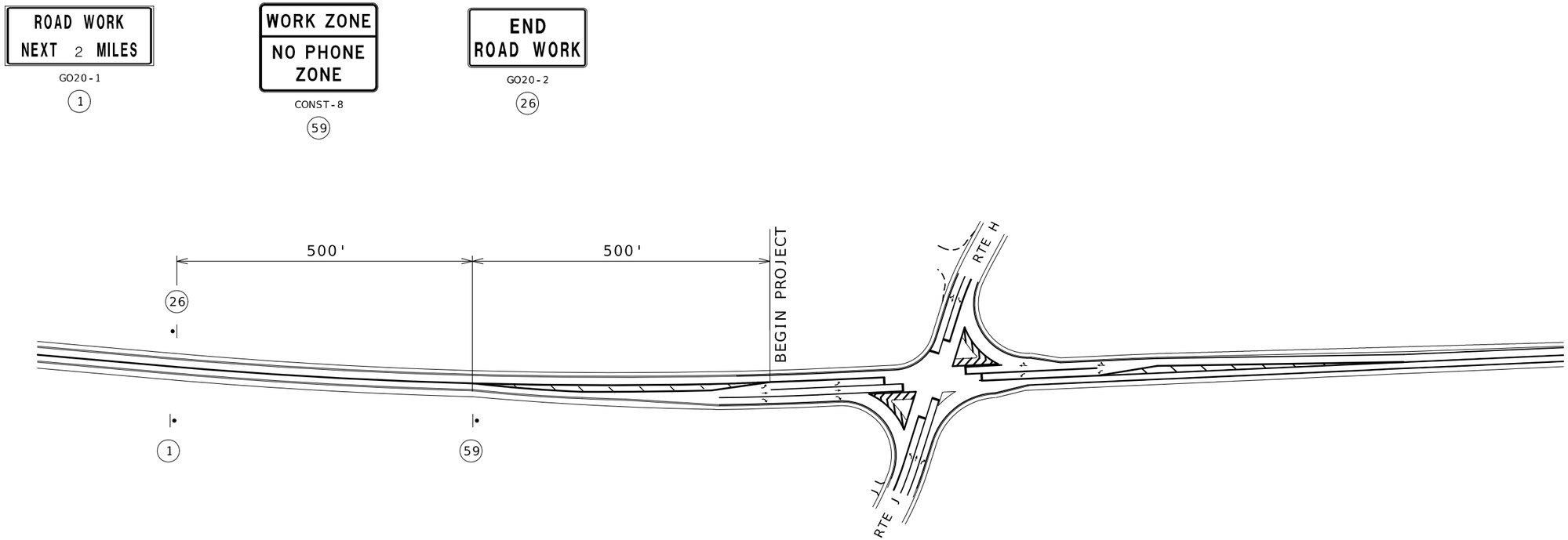
DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	6
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

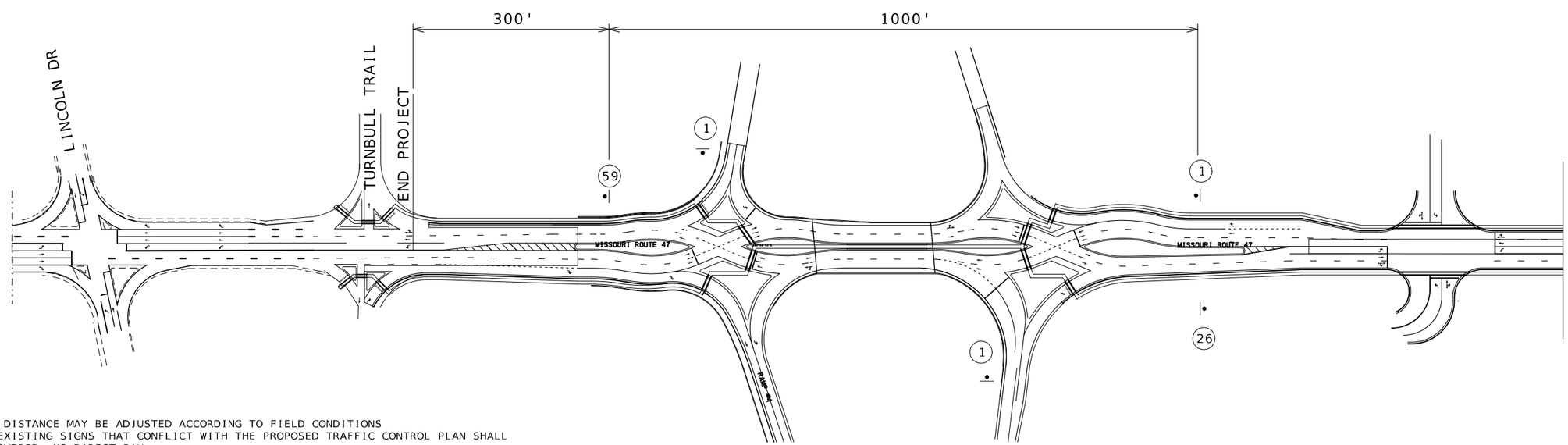
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
DEPTH TRANSITIONS
SHEET 3 OF 3



BEGIN PROJECT SIGNING FOR TRAFFIC CONTROL



SIGN DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS
ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, NO DIRECT PAY.
ALL SIGNS AND DEVICES ARE CONSIDERED PORTABLE, NO DIRECT PAY WILL BE MADE FOR ANY RELOCATIONS OF SIGNS OR DEVICES.
ADJUST CHANNELIZER SPACING OR SIGN SPACING AND LOCATION AS REQUIRED BY FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

END PROJECT SIGNING FOR TRAFFIC CONTROL

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:23:02 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	7
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
BEGIN/END PROJECT
SHEET 1 OF 12

W020-1

2

W020-4

7

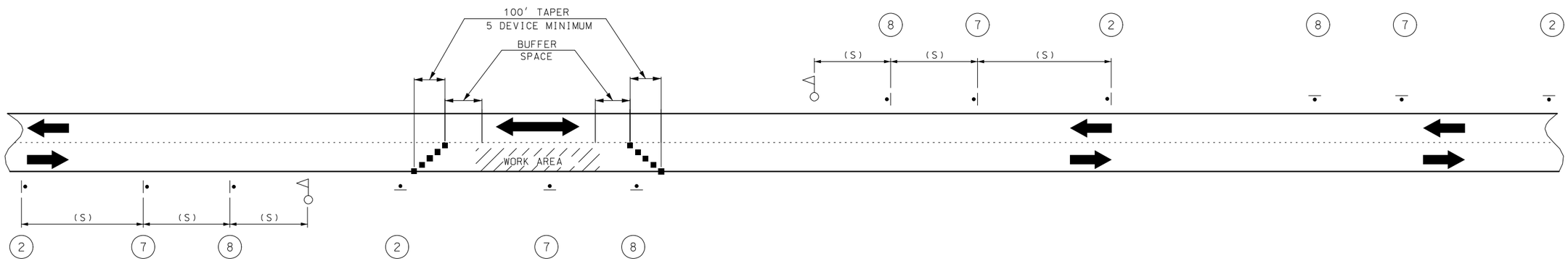
W020-7a

8

G020-4

53

SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



SET 1	SET 2	SET 3	SET 4
ACTIVE	INACTIVE	ACTIVE	INACTIVE

NOTES:

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.

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:23:38 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

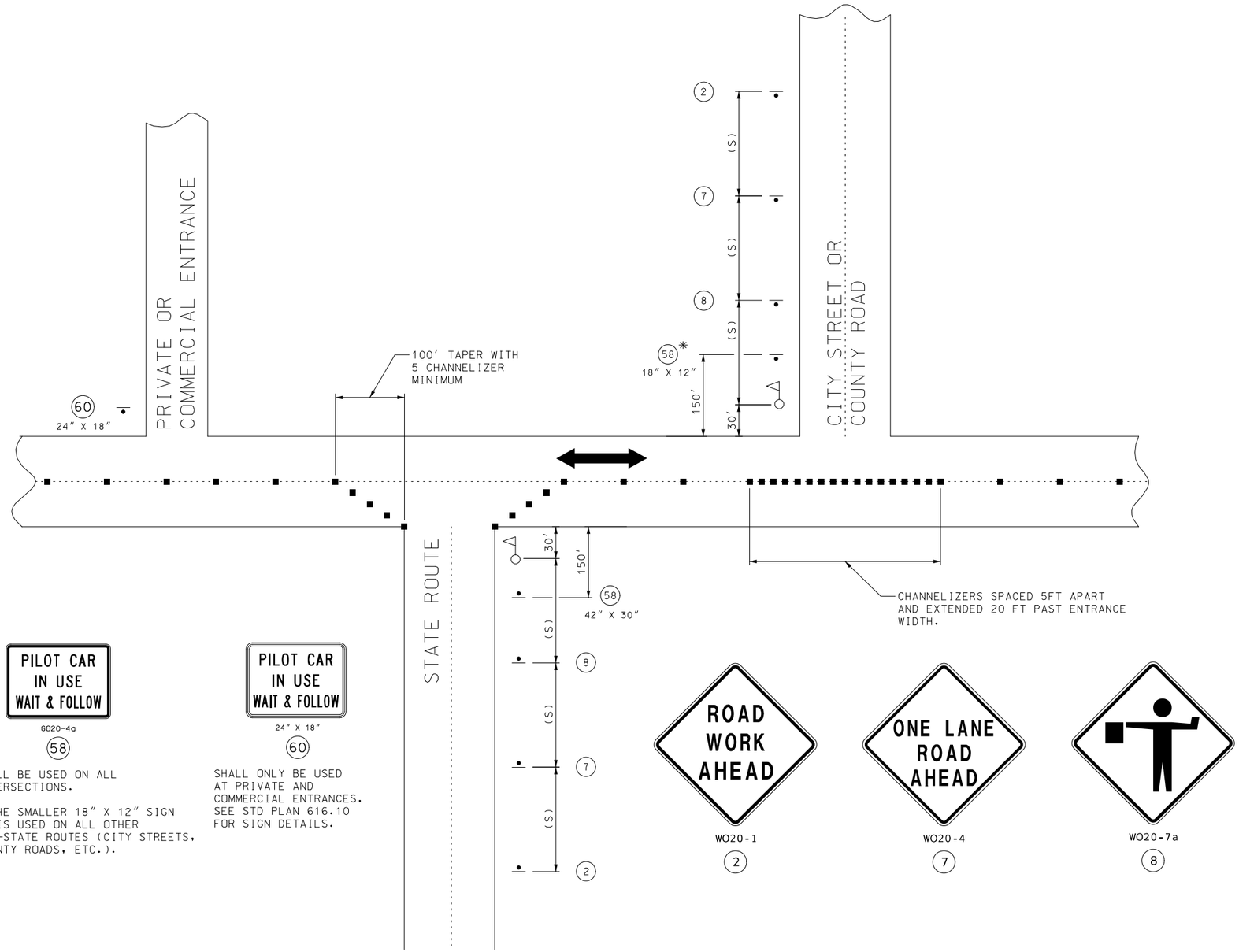
DATE PREPARED	
9/29/2025	
ROUTE 47	STATE MO
DISTRICT NE	SHEET NO. 8
COUNTY LINCOLN	
JOB NO. JNE0248	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
PAVEMENT TREATMENT FOR
TWO-WAY ROADWAYS
SHEET 2 OF 12



SHALL BE USED ON ALL INTERSECTIONS.

* THE SMALLER 18" X 12" SIGN 58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).

SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10 FOR SIGN DETAILS.

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

SIDE ROADS ENTERING WORK ZONES

NOT TO SCALE

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:24:07 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED
9/29/2025

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
NE	9

COUNTY
LINCOLN

JOB NO.
JNE0248

CONTRACT ID.

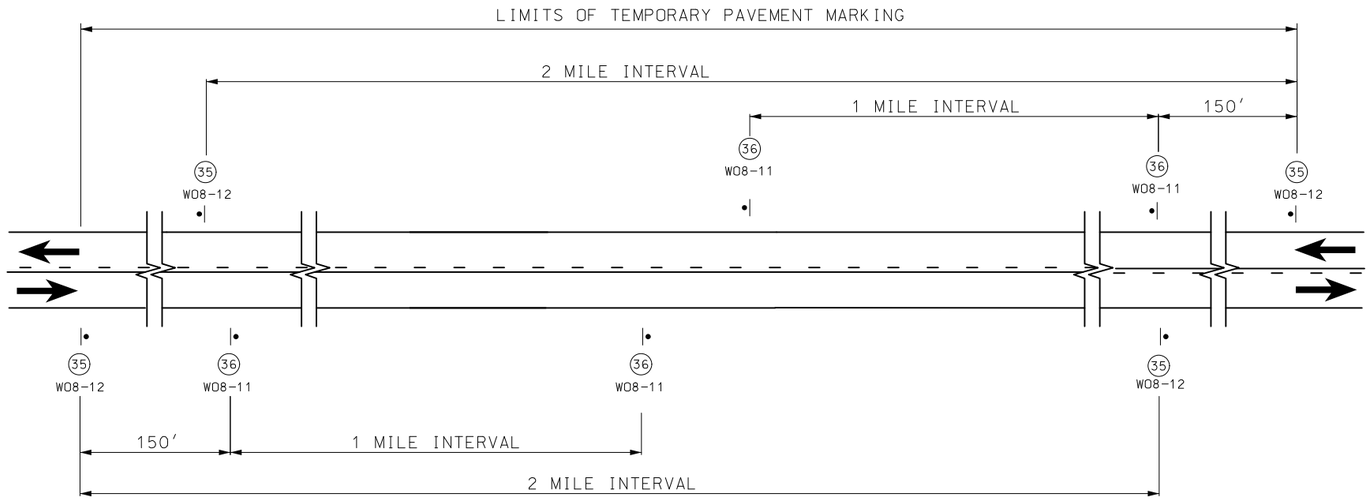
PROJECT NO.

BRIDGE NO.

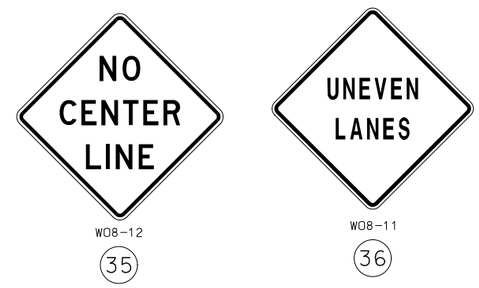
DATE	DESCRIPTION

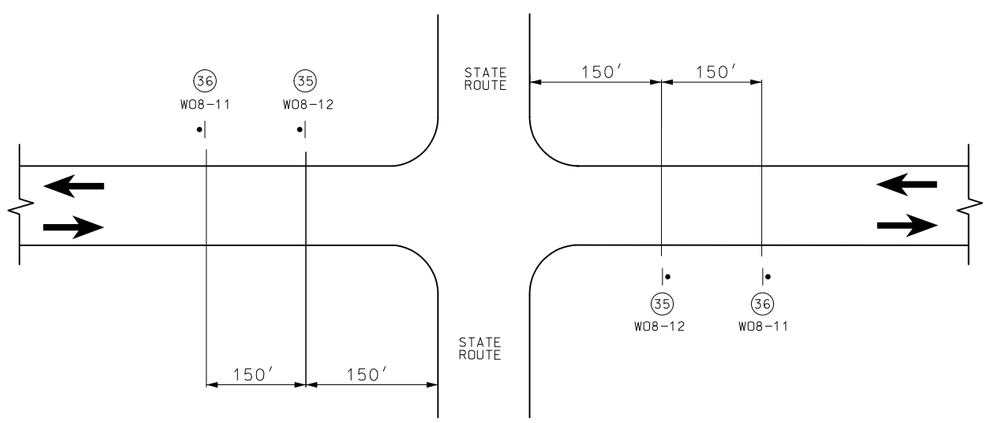
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
SIDEROADS ENTERING WORKZONE
SHEET 3 OF 12



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.

SEE STANDARD PLAN 620.10 FOR ALL TEMPORARY PAVEMENT MARKING.

NOT TO SCALE

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:24:45 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

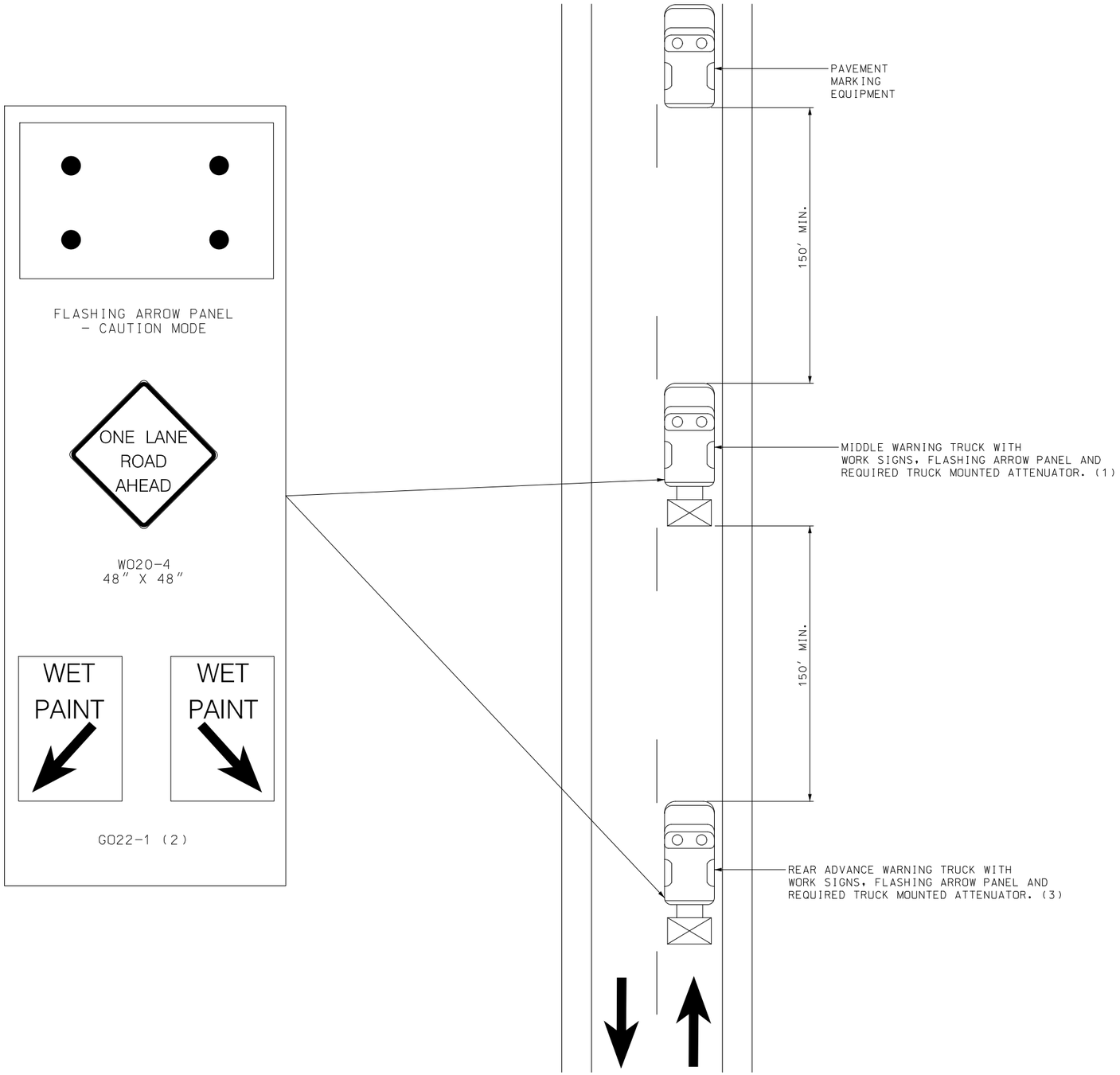
DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	10
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
SIGN SPACING AND TEMPORARY STRIPING
SHEET 4 OF 12

NOT TO SCALE



CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

NOTES:

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

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

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

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 IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

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

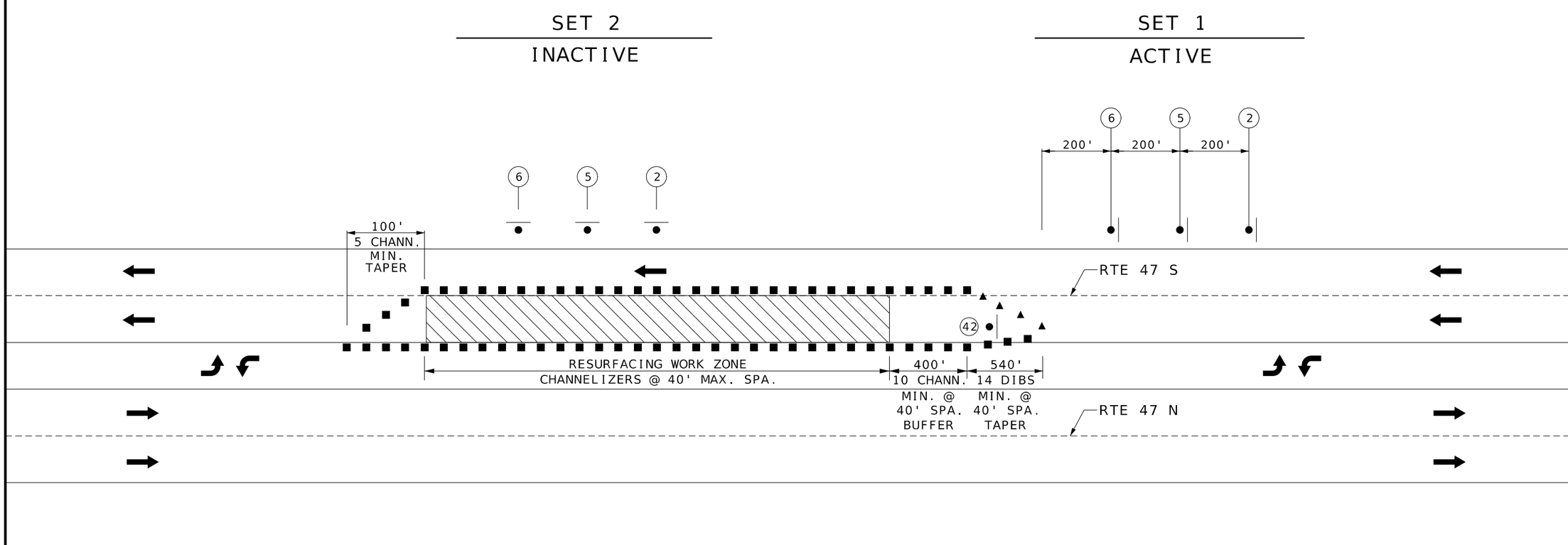
STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:25:44 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

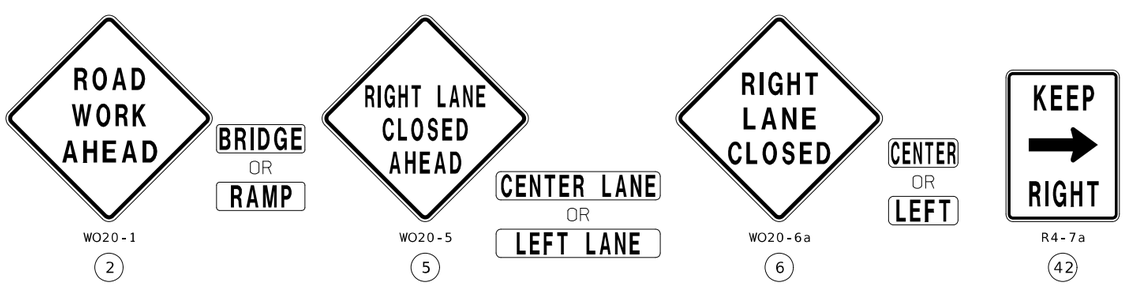
DATE PREPARED	
9/29/2025	
ROUTE 47	STATE MO
DISTRICT NE	SHEET NO. 11
COUNTY LINCOLN	
JOB NO. JNE0248	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
STRIPING - TWO WAY HIGHWAYS
SHEET 5 OF 12





SIGN SET 1 IS ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SET 2 IS INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED AT SIGN SETS 1.

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

TRAFFIC CONTROL LEGEND

- • SIGN (SINGLE SIDED)
- ▲ DIRECTION INDICATOR BARRICADE
- ■ CHANNELIZER
- ▨ WORK AREA

NOTE: USE SIMILAR SETUP FOR RTE 47 N LANE DROP.

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

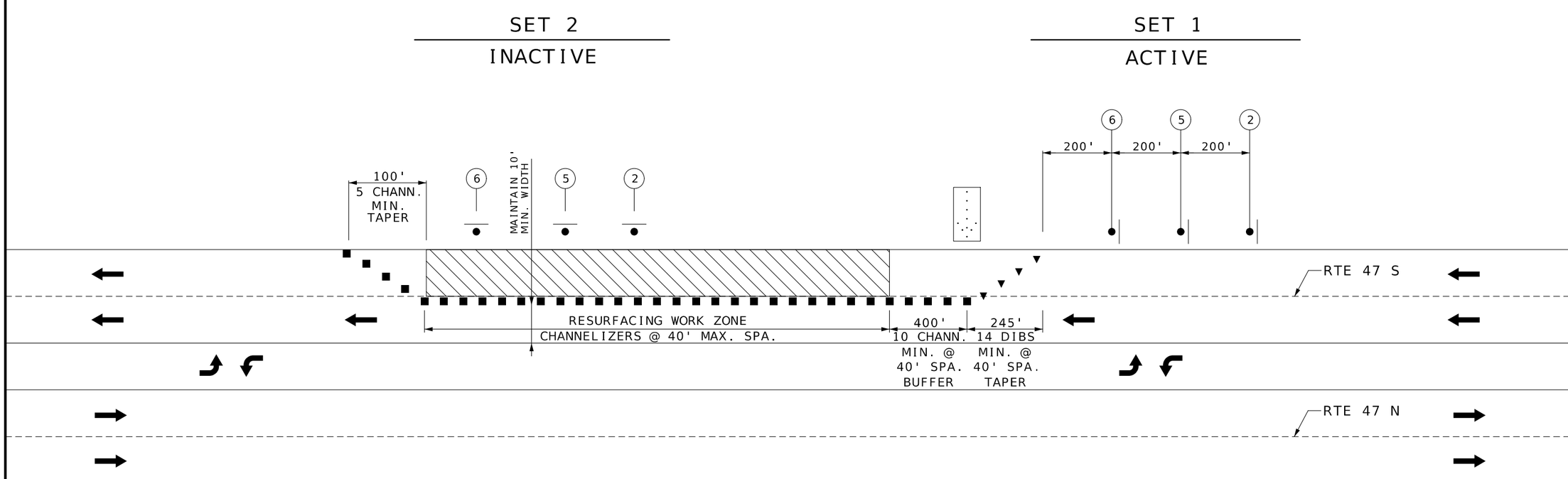
09/29/2025 3:26:28 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

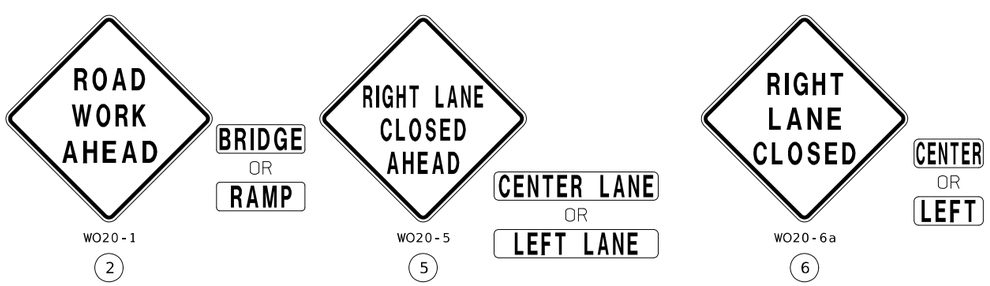
DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	12
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
LANE CLOSURE MULTILANE HIGHWAY
SHEET 6 OF 12





SIGN SET 1 IS ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SET 2 IS INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED AT SIGN SETS 1.

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

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICTOR BARRICADE (DIBS)
- FLASHING ARROW PANEL
- CHANNELIZER
- WORK AREA

NOTE: USE SIMILAR SETUP FOR RTE 47 N LANE DROP.

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:27:02 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	13
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

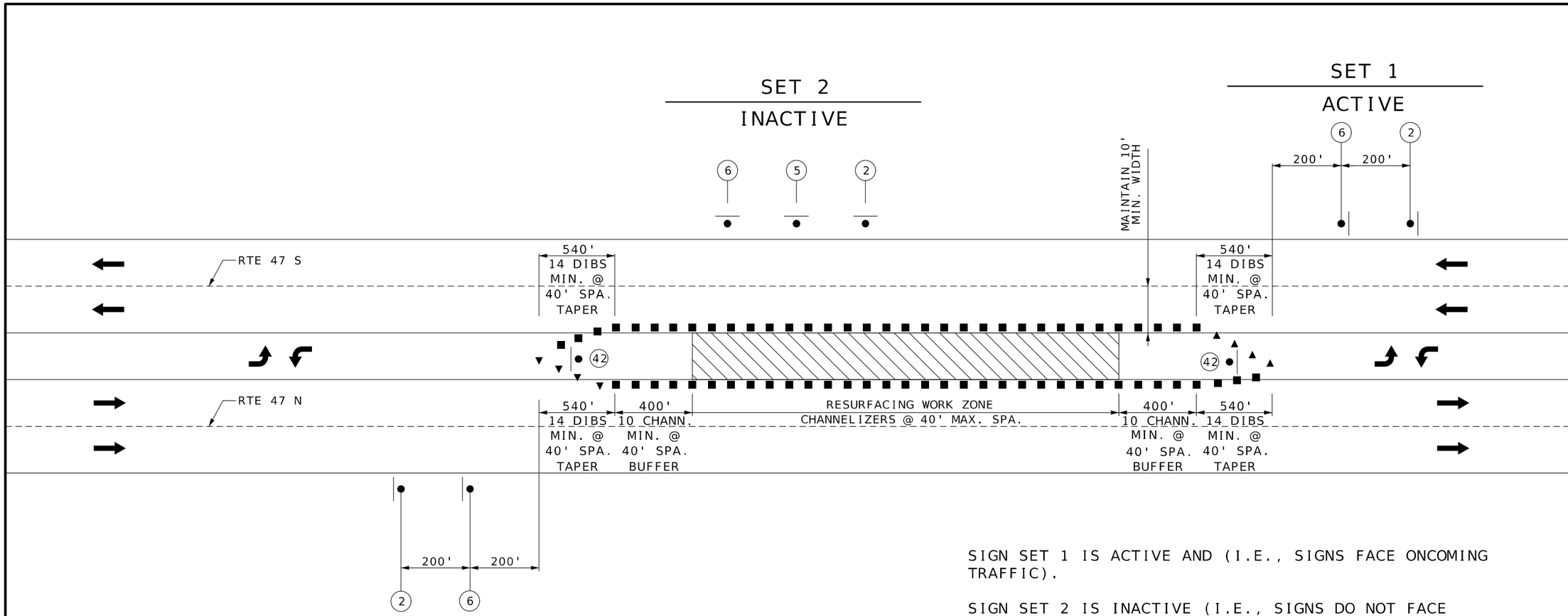
DESCRIPTION

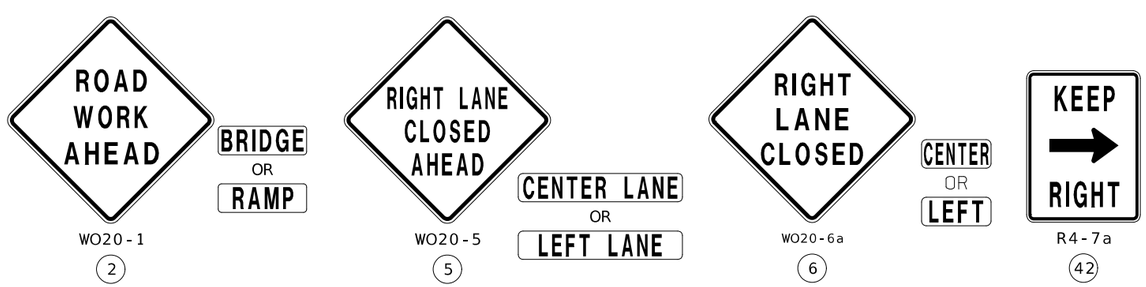
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
LANE CLOSURE MULTILANE HIGHWAY
SHEET 7 OF 12





SIGN SET 1 IS ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SET 2 IS INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED AT SIGN SETS 1.

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

TRAFFIC CONTROL LEGEND

- • SIGN (SINGLE SIDED)
- ► DIRECTIONAL INDICTOR BARRICADE
- ■ CHANNELIZER
- WORK AREA

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:27:47 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	14
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

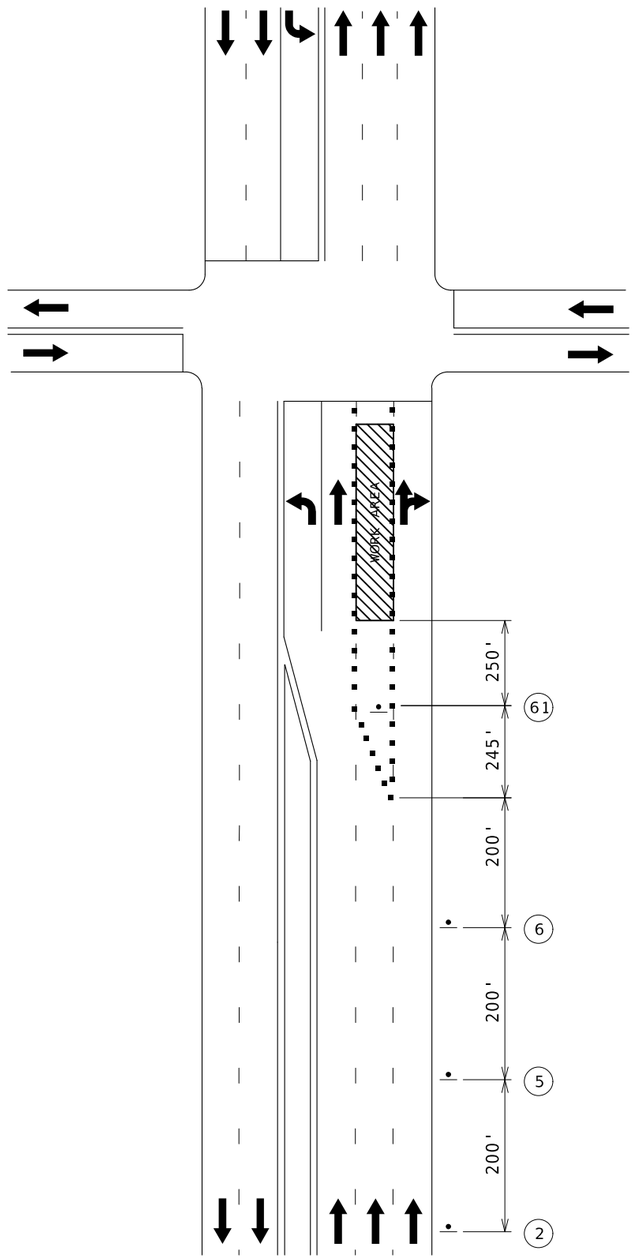
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
CENTER LANE CLOSURE
SHEET 8 OF 12

NOT TO SCALE



LANE CLOSURE ON
NEAR SIDE OF INTERSECTION

WO20-1

2

WO20-5

5

CENTER
OR
LEFT

WO20-6a

6

CENTER
OR
LEFT

WO12-1

61

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:28:26 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	15
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

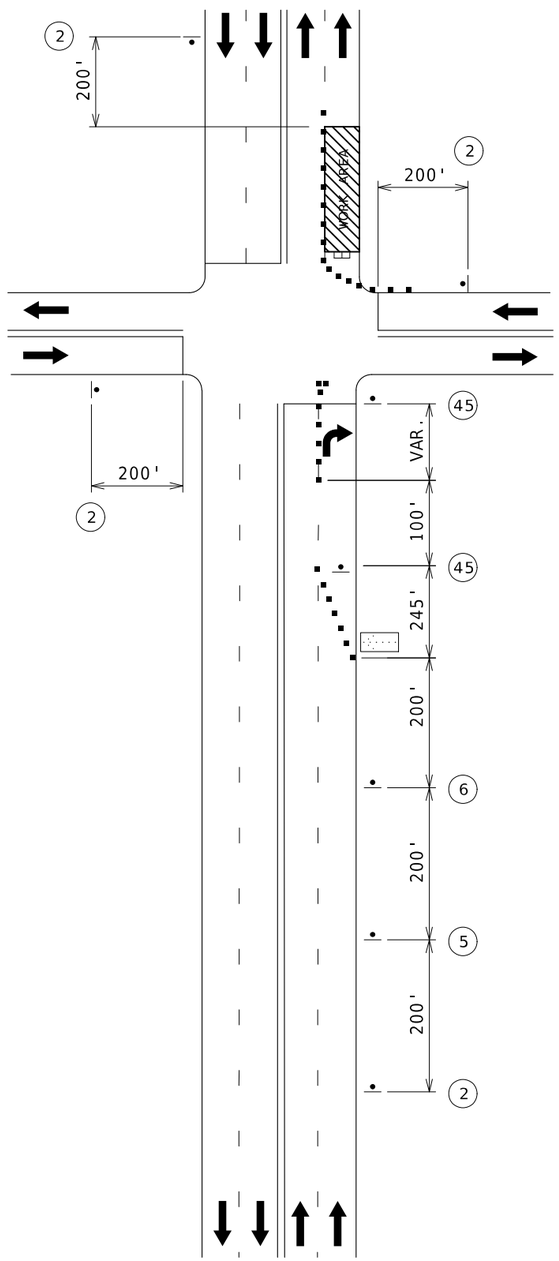
DATE	DESCRIPTION

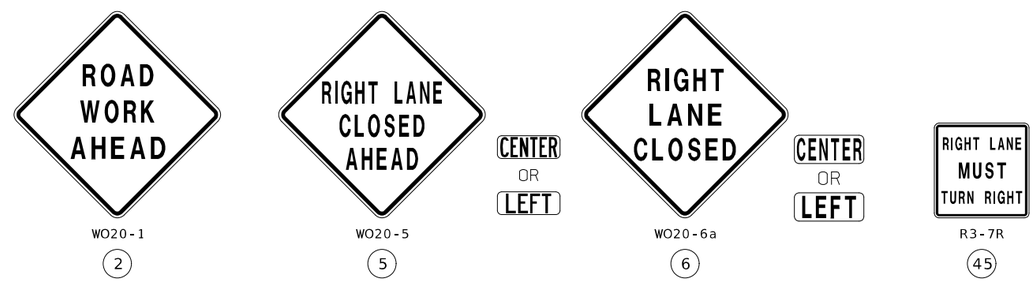
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
NEAR SIDE INTERSECTION
SHEET 9 OF 12

NOT TO SCALE





RIGHT LANE CLOSURE ON
FAR SIDE OF INTERSECTION

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:29:56 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	16
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

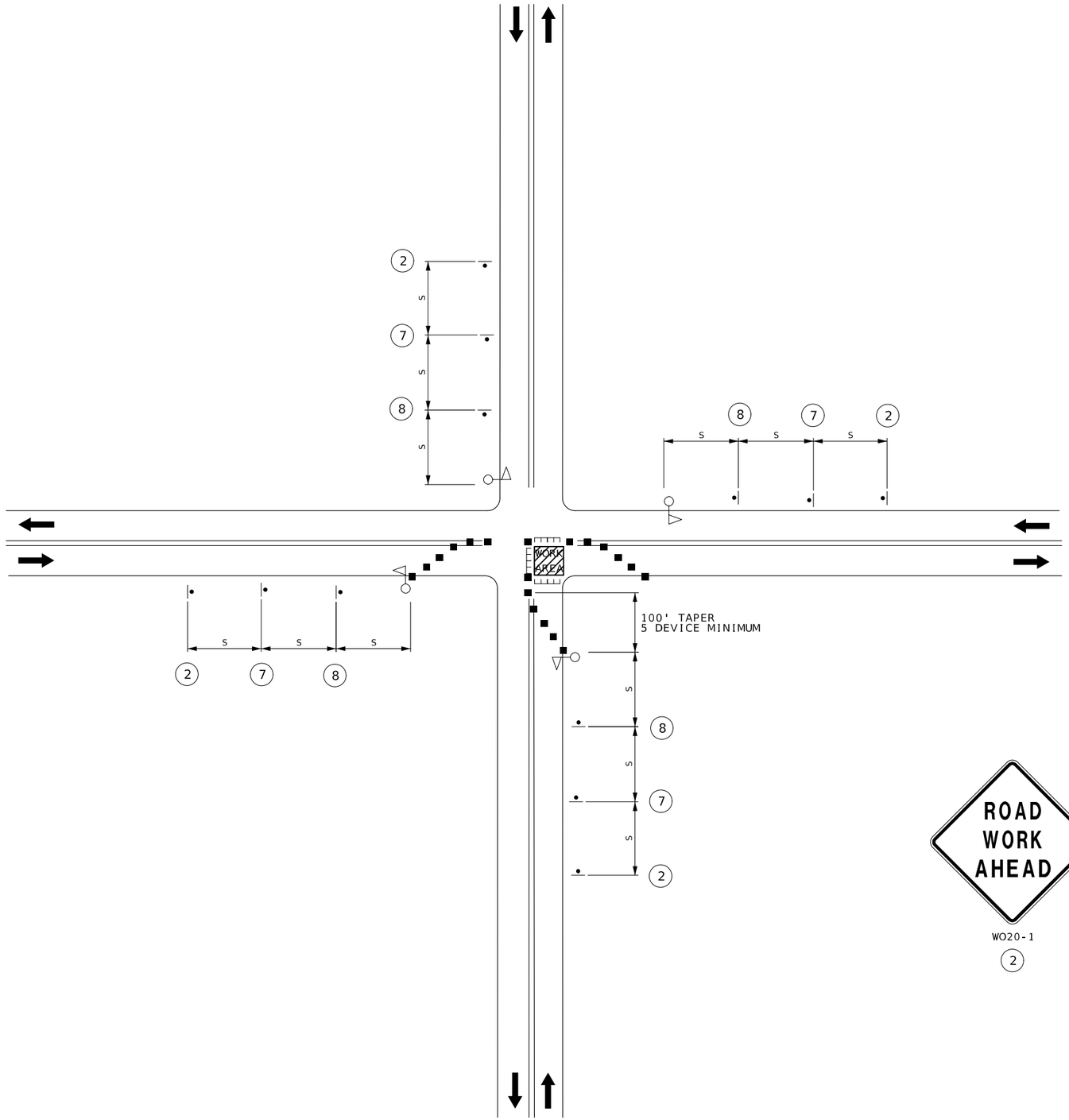
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
FAR SIDE OF INTERSECTION
SHEET 10 OF 12

NOT TO SCALE



CLOSURE AT THE
SIDE OF INTERSECTION

WO20-1 (2) WO20-4 (7) WO20-7a (8)

SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40-45	540
50-55	660
60-70	840

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:30:26 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED: 9/29/2025

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
NE	17

COUNTY: LINCOLN

JOB NO.: JNE0248

CONTRACT ID.

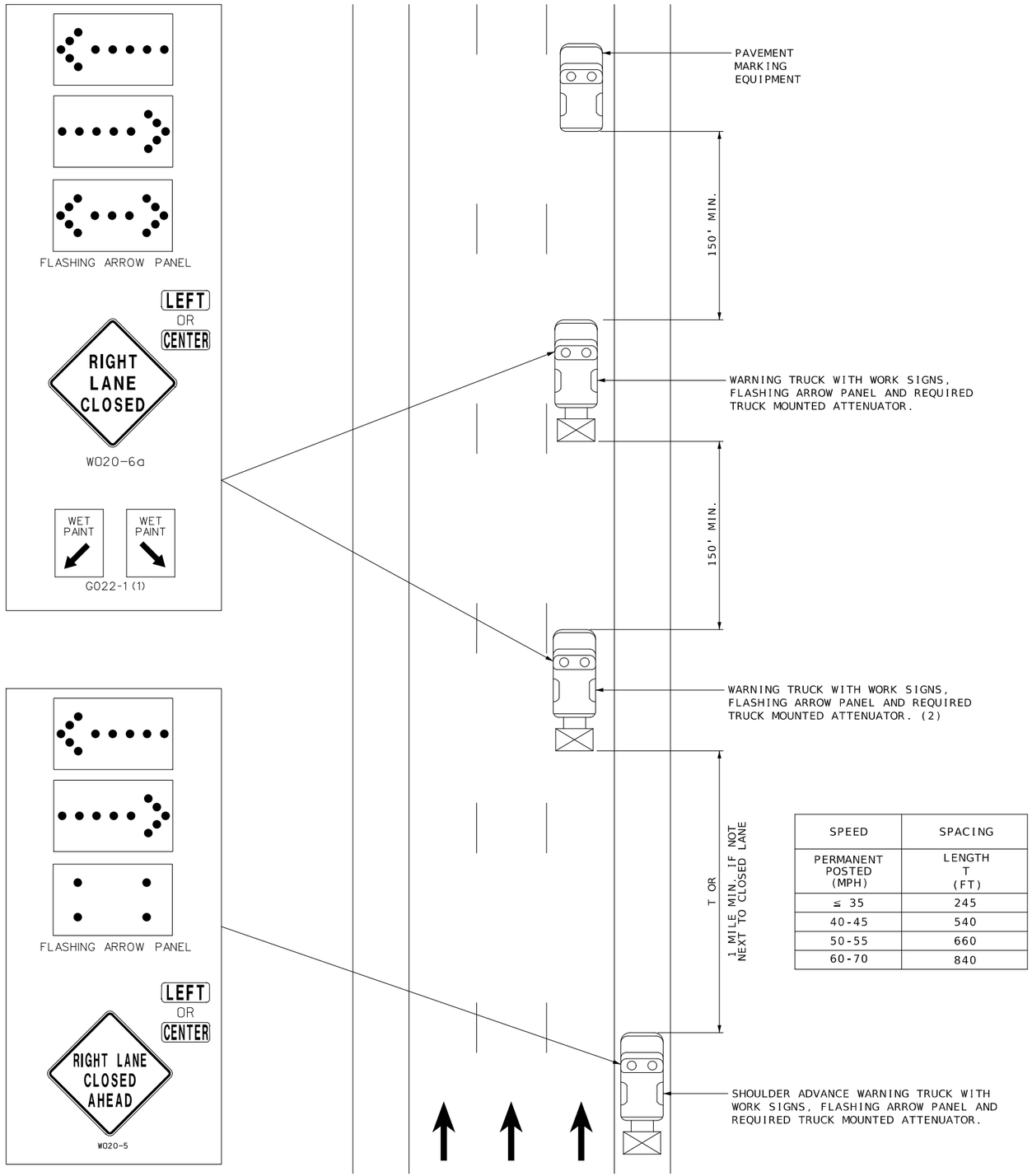
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
SIDE OF INTERSECTION
SHEET 11 OF 12



SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40-45	540
50-55	660
60-70	840

STRIPING ON MULTI-LANE HIGHWAY

NOT TO SCALE

NOTES:

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.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

(1) 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.

(2) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER.

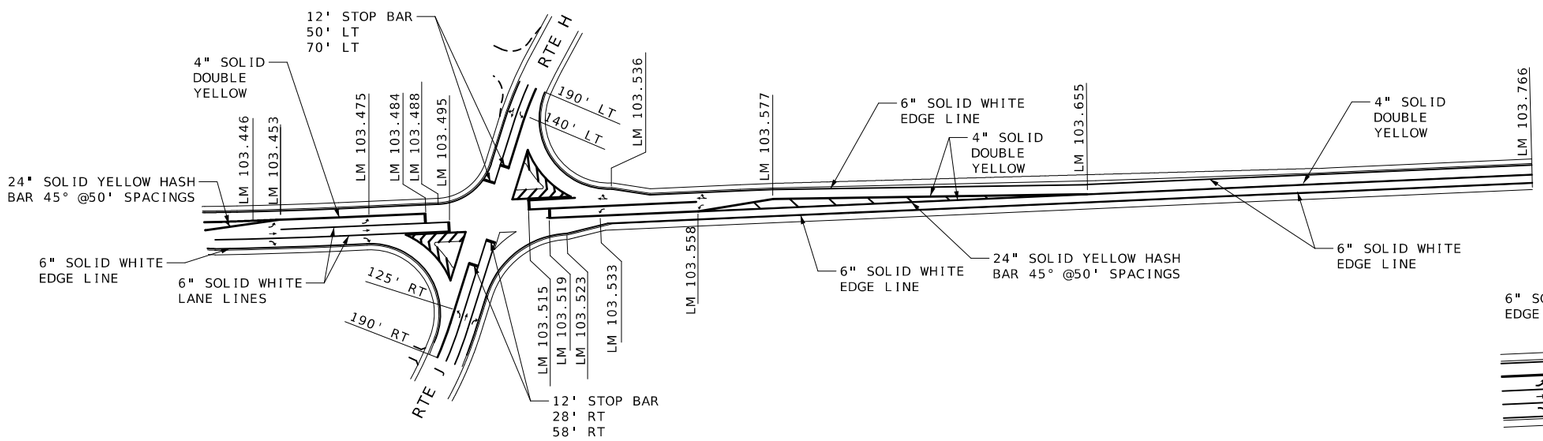
STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:31:04 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	
9/29/2025	
ROUTE 47	STATE MO
DISTRICT NE	SHEET NO. 18
COUNTY LINCOLN	
JOB NO. JNE0248	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

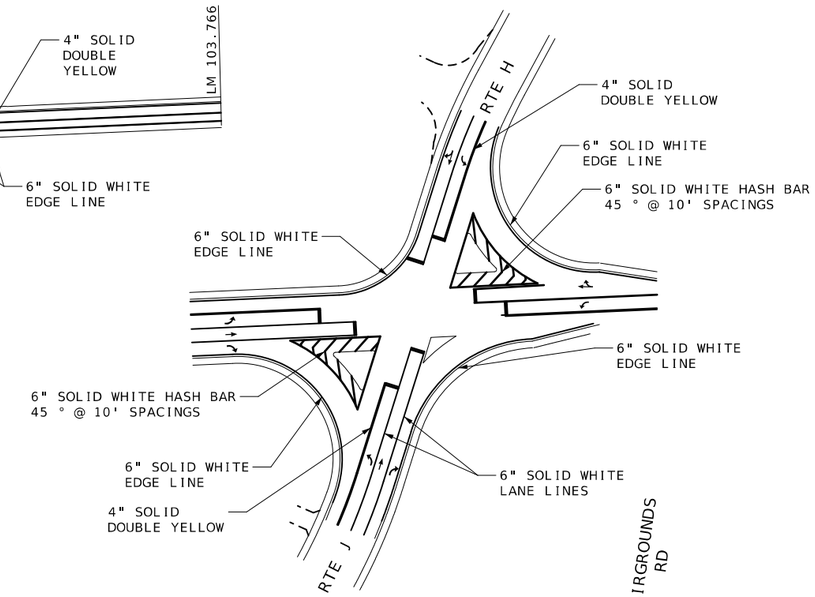
DESCRIPTION	DATE

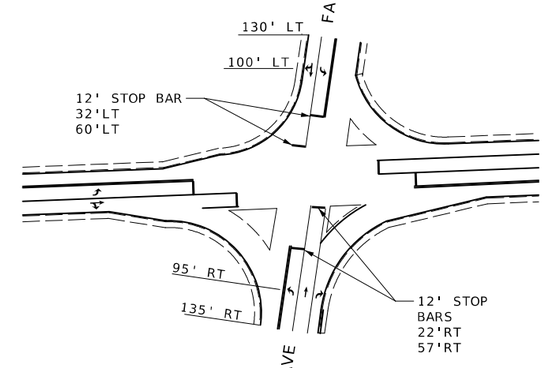
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

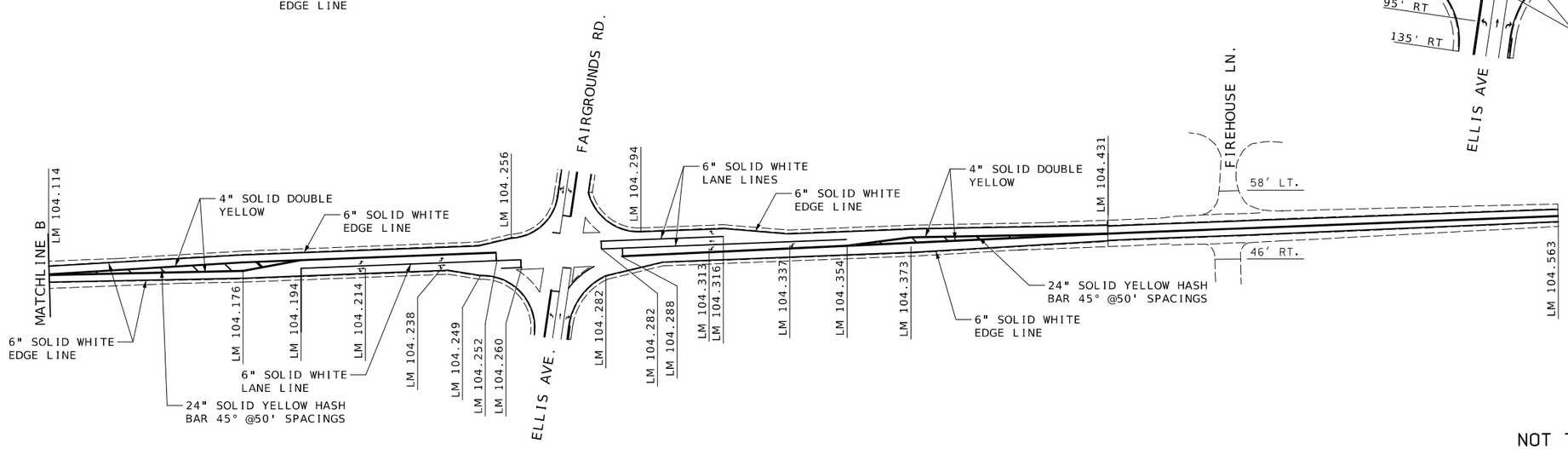
TEMPORARY TRAFFIC CONTROL
STRIPING
SHEET 12 OF 12



NOTE:
1. RAISED ISLANDS SHALL BE PAINTED WITH 8" WHITE CLASS 1 PAVEMENT MARKING PAINT ON THE CURB FACE AND ON THE TOP OF CURB







NOT TO SCALE

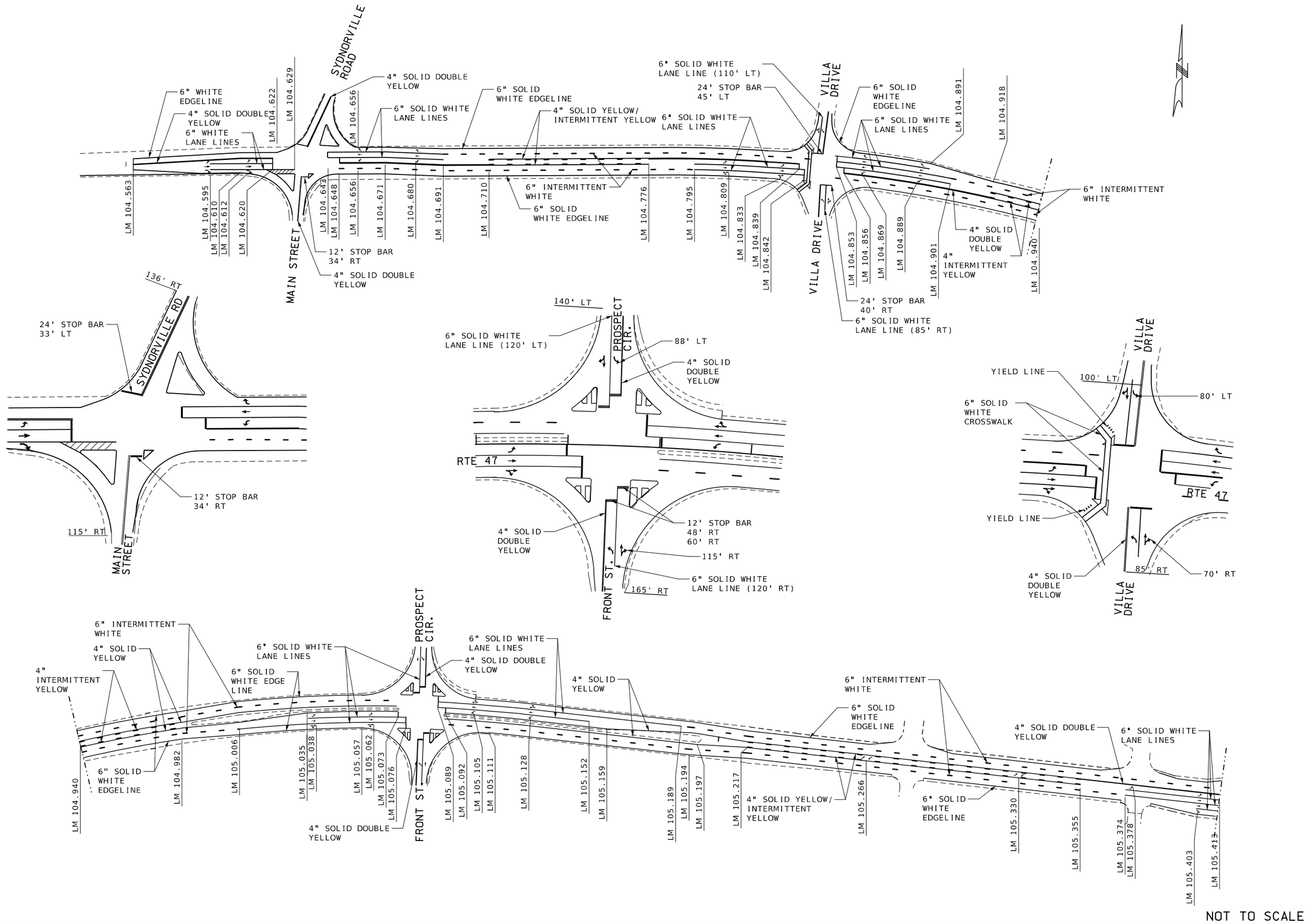
STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER
09/29/2025 3:20:07 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE 47	STATE MO
DISTRICT NE	SHEET NO. 19
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PAVEMENT MARKING SHEET
SHEET 1 OF 3



STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER

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CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

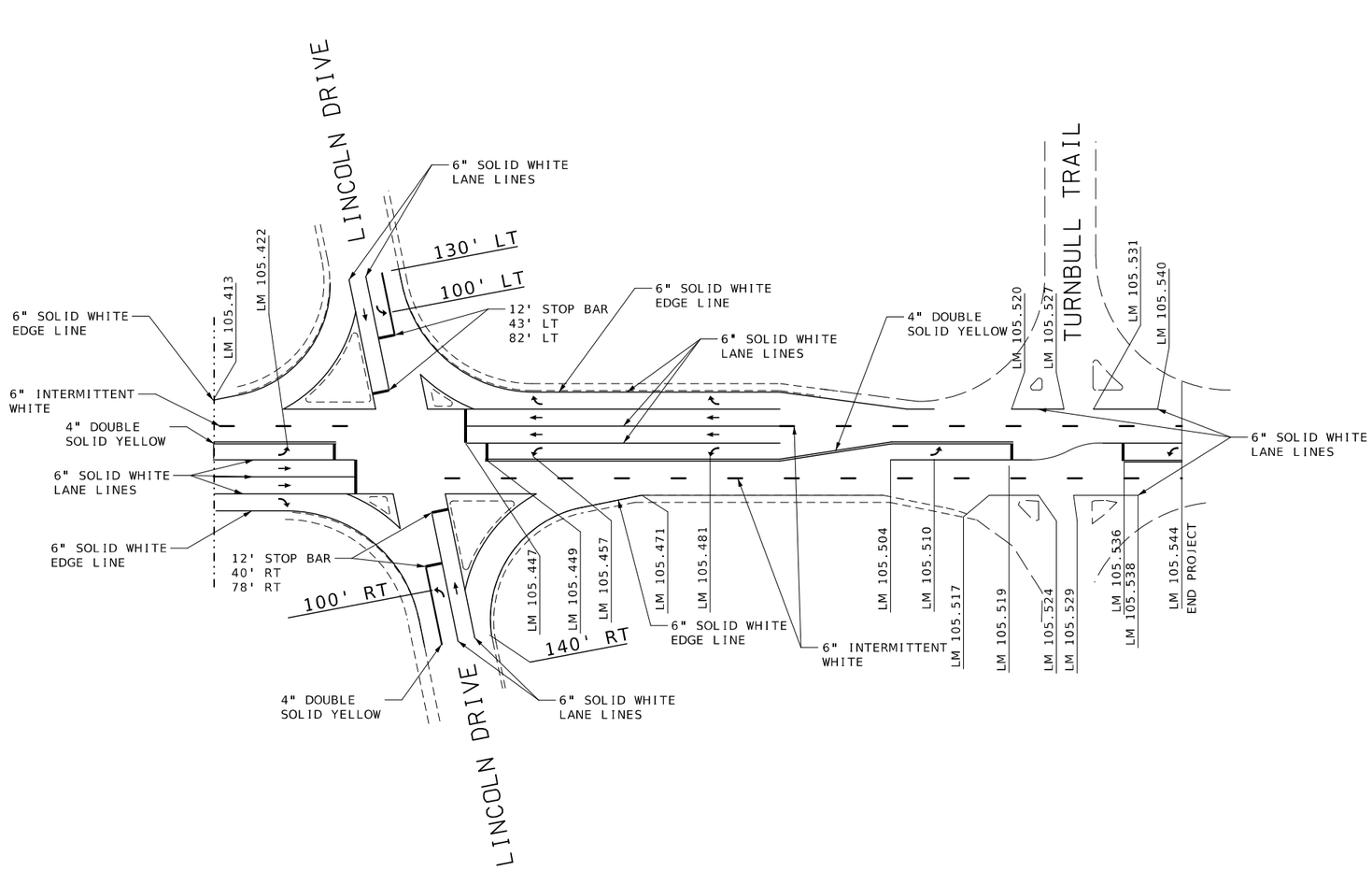
DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	20
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PAVEMENT MARKING SHEET
SHEET 2 OF 3



NOT TO SCALE

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER
PE-2005023325
PROFESSIONAL ENGINEER

09/29/2025 3:21:17 PM
CHRISTOPHER S. KNAPP - CIVIL
MO-PE-2005023325

DATE PREPARED	9/29/2025
ROUTE	47
STATE	MO
DISTRICT	NE
SHEET NO.	21
COUNTY	LINCOLN
JOB NO.	JNE0248
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PAVEMENT MARKING SHEET
SHEET 3 OF 3