

DESIGN DESIGNATION

ROUTE J
 A.A.D.T. - 2022 = 853 (O/S NEW BLOOMFIELD)
 A.A.D.T. - 2022 = 2,378 (NEW BLOOMFIELD)
 V = 55 M.P.H.
 T = 9% - 10.9%
 FUNCTIONAL CLASS = MAJOR COLLECTOR

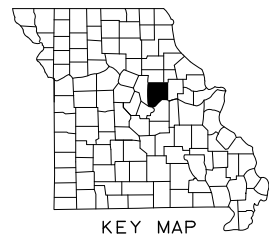
ROUTE F
 A.A.D.T. - 2022 = 3,322 (O/S FULTON)
 A.A.D.T. - 2022 = 8,211 (FULTON)
 V = 55 M.P.H.
 T = 4.1% - 8.1%
 FUNCTIONAL CLASS = MINOR ARTERIAL

ROUTE H
 A.A.D.T. - 2022 = 1,323
 V = 55 M.P.H.
 T = 10.1%
 FUNCTIONAL CLASS = MAJOR COLLECTOR

ROUTE M
 A.A.D.T. - 2022 = 1,051
 V = 55 M.P.H.
 T = 15.9%
 FUNCTIONAL CLASS = MAJOR COLLECTOR

ROUTE RA
 A.A.D.T. - 2022 = 761
 V = 55 M.P.H.
 T = 10.2%
 FUNCTIONAL CLASS = MINOR COLLECTOR

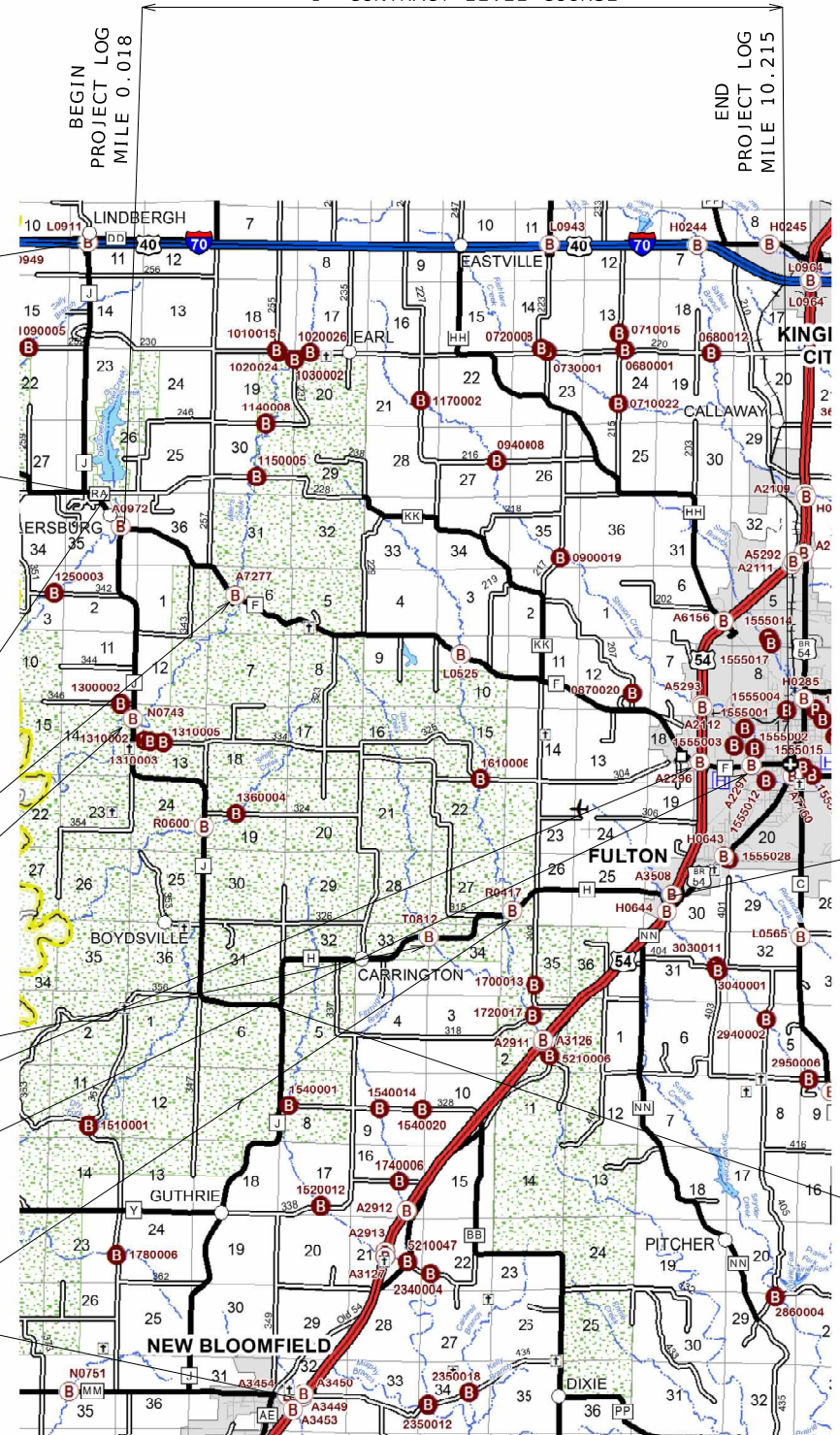
NO NEW R/W REQUIRED



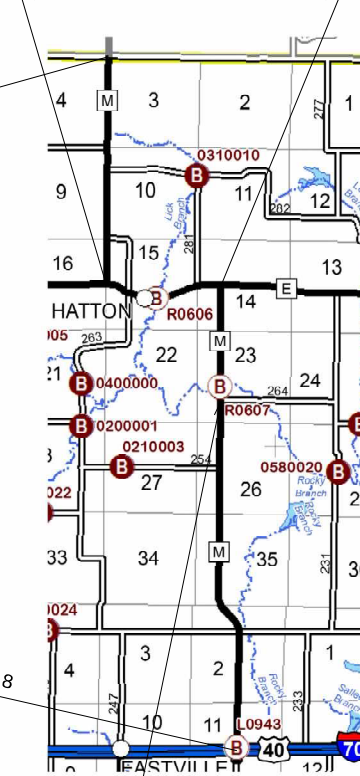
KEY MAP
 SHOWING LOCATION OF
 CALLAWAY COUNTY

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 CALLAWAY COUNTY**

**ROUTE F PROJECT LIMITS
 1" CONTRACT LEVEL COURSE**



**ROUTE E EXCEPTION
 LM 10.064 TO LM 11.387**



BEGIN LOG MILE 7.579

ROUTE M PROJECT LIMITS
 1" CONTRACT LEVEL COURSE

END LOG MILE 16.558

EXCEPTION: BRIDGE R0607
 LM 12.510 TO LM 12.558

END LOG MILE 6.491

ROUTE H PROJECT LIMITS
 1" CONTRACT LEVEL COURSE

BEGIN LOG MILE 0.002

NOT TO SCALE

- RTE F EXCEPTION: BRIDGE A7277
LM 1.978 TO LM 1.998
- RTE J EXCEPTION: BRIDGE N0743
LM 7.087 TO LM 7.168
- RTE H EXCEPTION: BRIDGE A8443
LM 2.803 TO LM 2.822
- RTE F EXCEPTION: BRIDGE A2296
AND CONC. PAVEMENT
LM 9.216 TO LM 9.428
- RTE F EXCEPTION: BRIDGE A2297
LM 10.018 TO LM 10.048
- RTE H EXCEPTION: BRIDGE R0417
LM 4.224 TO LM 4.249

BEGIN LOG MILE 0.018

BEGIN LOG MILE 0.050

BEGIN LOG MILE 0.003

ROUTE RA PROJECT LIMITS
 1" CONTRACT LEVEL COURSE

END LOG MILE 0.086

ROUTE J PROJECT LIMITS
 1.5" BP-2

END LOG MILE 20.452

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) (5 SHEET)	3
SPECIAL SHEET (SS)	4-11
TRAFFIC CONTROL SHEETS (TC)	12-16

LENGTH OF PROJECT

ROUTE J	
BEGINNING OF PROJECT	0.050 MILES
END OF PROJECT	20.452 MILES
APPARENT LENGTH	20.402 MILES
EQUATIONS AND EXCEPTIONS:	
BRIDGE N0743	LOG MILE 7.087 LOG MILE 7.168 -0.081 MILES

ROUTE F	
BEGINNING OF PROJECT	0.018 MILES
END OF PROJECT	10.215 MILES
APPARENT LENGTH	10.197 MILES
EQUATIONS AND EXCEPTIONS:	
BRIDGE A7277	LOG MILE 1.978 LOG MILE 1.998 -0.020 MILES
BRIDGE A2296 AND CONCRETE PAVEMENT	LOG MILE 9.216 LOG MILE 9.428 -0.212 MILES
BRIDGE A2297	LOG MILE 10.018 LOG MILE 10.048 -0.030 MILES

ROUTE H	
BEGINNING OF PROJECT	0.002 MILES
END OF PROJECT	6.492 MILES
APPARENT LENGTH	6.490 MILES
EQUATIONS AND EXCEPTIONS:	
BRIDGE A8443	LOG MILE 2.814 LOG MILE 2.832 -0.018 MILES
BRIDGE R0417	LOG MILE 4.220 LOG MILE 4.245 -0.025 MILES

ROUTE RA	
BEGINNING OF PROJECT	0.003 MILES
END OF PROJECT	0.086 MILES
APPARENT LENGTH	0.083 MILES

ROUTE M	
BEGINNING OF PROJECT	7.579 MILES
END OF PROJECT	16.558 MILES
APPARENT LENGTH	8.979 MILES
EQUATIONS AND EXCEPTIONS:	
ROUTE E SECTION	LOG MILE 10.064 LOG MILE 11.387 -1.323 MILES
BRIDGE R0607	LOG MILE 12.510 LOG MILE 12.558 -0.048 MILES

TOTAL CORRECTIONS	-1.757 MILES
NET LENGTH OF PROJECT	234,379.20 FEET
STATE LENGTH	44.390 MILES
ESTIMATED DISTURBED ACRES	0 ACRES
FOR INFORMATION ONLY	



DATE PREPARED
 6/25/2024

ROUTE VAR
 STATE MO
 DISTRICT CD
 SHEET NO. 1

LENGTH OF PROJECT

ROUTE J
 BEGINNING OF PROJECT 0.050 MILES
 END OF PROJECT 20.452 MILES
 APPARENT LENGTH 20.402 MILES
 EQUATIONS AND EXCEPTIONS:
 BRIDGE N0743 LOG MILE 7.087
 LOG MILE 7.168
 -0.081 MILES

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 BEGINNING OF PROJECT 0.003 MILES
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 END OF PROJECT 16.558 MILES
 APPARENT LENGTH 8.979 MILES
 EQUATIONS AND EXCEPTIONS:
 ROUTE E SECTION LOG MILE 10.064
 LOG MILE 11.387
 -1.323 MILES
 BRIDGE R0607 LOG MILE 12.510
 LOG MILE 12.558
 -0.048 MILES

TOTAL CORRECTIONS -1.757 MILES
 NET LENGTH OF PROJECT 234,379.20 FEET
 STATE LENGTH 44.390 MILES
 ESTIMATED DISTURBED ACRES 0 ACRES
 FOR INFORMATION ONLY

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

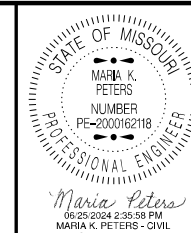
BITUMINOUS PAVEMENT MIXTURE PG 64-22 (SURFACE LEVELING) RTE M									
LOG MILE	LOG MILE	LOCATION	NET LENGTH (MILES)	LENGTH FT.	AVERAGE WIDTH FT.	AREA SQ. FT.	BITUMINOUS MIX 1.987 TON/CUYD TONS	TACK COAT GALLONS	REMARKS
7.579	10.039	RTE M	2.46	12988.8	20	259776	1593.1	2309.1	BEGIN PROJECT - RTE M MAINLINE
10.039	10.066	RTE M	0.027	142.56	VAR	3751.11	23.0	33.3	RTE M AND RTE E JUNCTION (NORTH END)
10.066	11.387	RTE M	1.321	6974.88	20	-	-	-	RTE E - EXCEPTION
11.387	11.403	RTE M	0.016	84.48	VAR	5044.5	30.9	44.8	RTE M AND RTE E JUNCTION (SOUTH END)
11.403	12.509	RTE M	1.106	5839.68	20	116793.6	716.3	1038.2	RTE M MAINLINE
12.509	12.558	RTE M	0.049	258.72	20	-	-	-	BRIDGE R0607 - EXCEPTION
12.558	16.558	RTE M	4	21120	20	422400	2590.5	3754.7	RTE M MAINLINE TO PROJECT END
16.456	16.486	RTE M	0.03	158.4	VAR	4025.7	24.7	35.8	OLD US 40 JUNCTION (LEFT)
16.456	16.486	RTE M	0.03	158.4	VAR	5102.1	31.3	45.4	OLD US 40 JUNCTION (RIGHT)
16.532	16.553	RTE M	0.021	110.88	VAR	779.22	4.8	6.9	RTE M AND I-70 INTERCHANGE (LEFT)
16.530	16.553	RTE M	0.023	121.44	VAR	1017	6.2	9.0	RTE M AND I-70 INTERCHANGE (RIGHT)
							1004.2		20% IRREGULARITIES
							100.4		2% SAFETY EDGE
						USE	6125.4	7277.2	ESTIMATE FACTORS:
						TOTAL	6126	-	TACK COAT (EXIST. ASPHALT) = 0.08 GAL/SY
									SURFACE LEVEL MIX PG 64-22 = 1.987 TON/CY

TACK COAT TOTALS		
SUBTOTALS	TACK COAT GALLONS	REMARKS
SUBTOTAL 1	26771.1	RTE J
SUBTOTAL 2	10643.4	RTE F
SUBTOTAL 3	6704.4	RTE H
SUBTOTAL 4	7277.2	RTE M
SUBTOTAL 5	93.8	RTE RA
TOTAL	51489.9	
USE	51490	

BITUMINOUS PAVEMENT MIXTURE PG 64-22 (SURFACE LEVELING) RTE RA									
LOG MILE	LOG MILE	LOCATION	NET LENGTH (MILES)	LENGTH FT.	AVERAGE WIDTH FT.	AREA SQ. FT.	BITUMINOUS MIX 1.987 TON/CUYD TONS	TACK COAT GALLONS	REMARKS
0.003	0.023	RTE RA	0.02	105.6	VAR	3238.8	24.8	28.8	BEGIN PROJECT - RTE RA AND RTE J
0.023	0.086	RTE RA	0.063	332.64	22	7318.08	44.9	65.0	RTE RA MAINLINE
							13.9		20% IRREGULARITIES
							1.4		2% SAFETY EDGE
						USE	85.0	93.8	ESTIMATE FACTORS:
						TOTAL	85	-	TACK COAT (EXIST. ASPHALT) = 0.08 GAL/SY
									SURFACE LEVEL MIX PG 64-22 = 1.987 TON/CY

WATERBORNE PAVEMENT MARKING, TYPE P BEADS						
APPROX. LOG MILE	APPROX. LOG MILE	LENGTH FT.	LOCATION	4" SOLID YELLOW LF.	4" SOLID WHITE LF.	REMARKS
0.050	20.452	107722.56	RTE J	215445.12	215445.12	RTE J MAINLINE
0.018	9.559	50376.48	RTE F	100752.96	100752.96	RTE F MAINLINE
9.559	9.658	522.72	RTE F	2090.88	1045.44	START OF TWO DOUBLE YELLOW LINES
9.658	9.719	322.08	RTE F	644.16	966.24	LEFT TURN BAY - TOWARDS N HOSPITAL DR.
9.719	9.839	633.6	RTE F	2534.4	1267.2	TWO DOUBLE YELLOW LINES
9.839	9.918	417.12	RTE F	834.24	1251.36	LEFT TURN BAY - TOWARDS HICKMAN AVE.
9.918	10.018	528	RTE F	2112	1056	TWO DOUBLE YELLOW LINES
10.018	10.098	422.4	RTE F	844.8	844.8	DOUBLE YELLOW LINES
10.098	10.159	322.08	RTE F	1288.32	644.16	TWO DOUBLE YELLOW LINES
10.159	10.215	295.68	RTE F	591.36	887.04	RTE F MAINLINE - LEFT TURN BAY
0.02	6.492	34172.16	RTE H	68344.32	68344.32	RTE H MAINLINE
7.565	10.064	13194.72	RTE M	26389.44	26389.44	RTE M MAINLINE - NORTHERN PORTION
11.387	16.558	27302.88	RTE M	54605.76	54605.76	RTE M MAINLINE - SOUTHERN PORTION
0.003	0.086	438.24	RTE RA	876.48	876.48	RTE RA MAINLINE
			TOTAL	477354.24	474376.32	
			USE	477354	474376	

NOTE: ALL PAVEMENT MARKINGS TO MATCH EXISTING. LOCATE BEFORE MILLING OR RESURFACING



DATE PREPARED
6/25/2024
ROUTE VARIES
STATE MO
DISTRICT CD
SHEET NO. 3

COUNTY
CALLAWAY

JOB NO.
JCD0029

CONTRACT ID.

PROJECT NO.

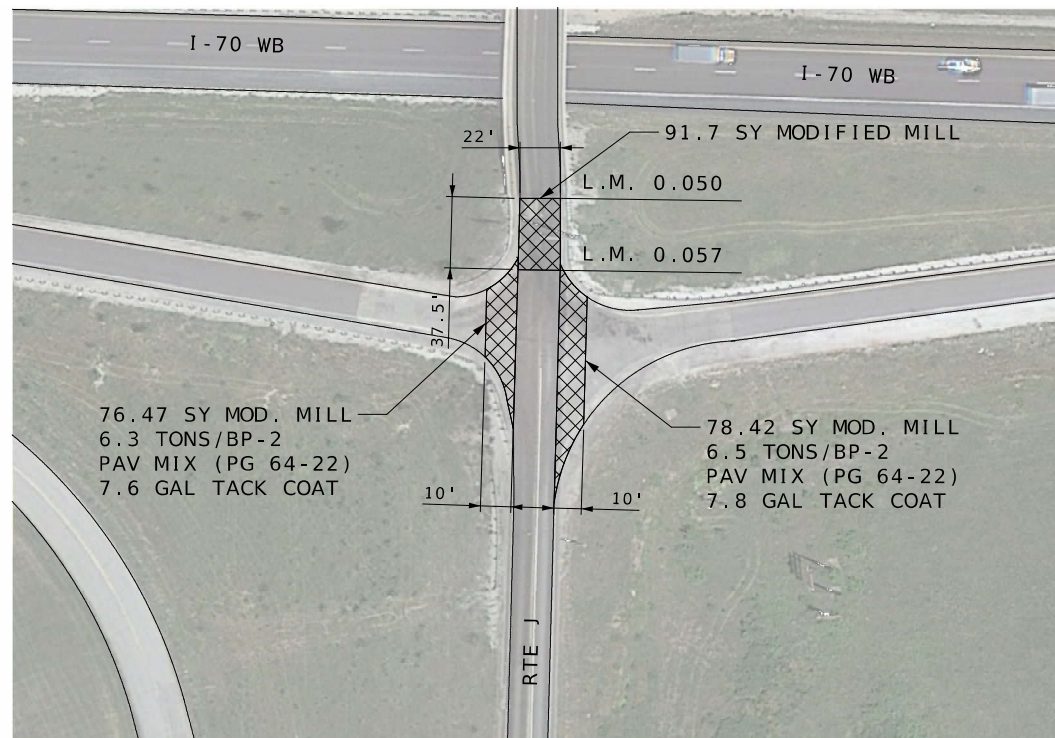
BRIDGE NO.

DATE	DESCRIPTION

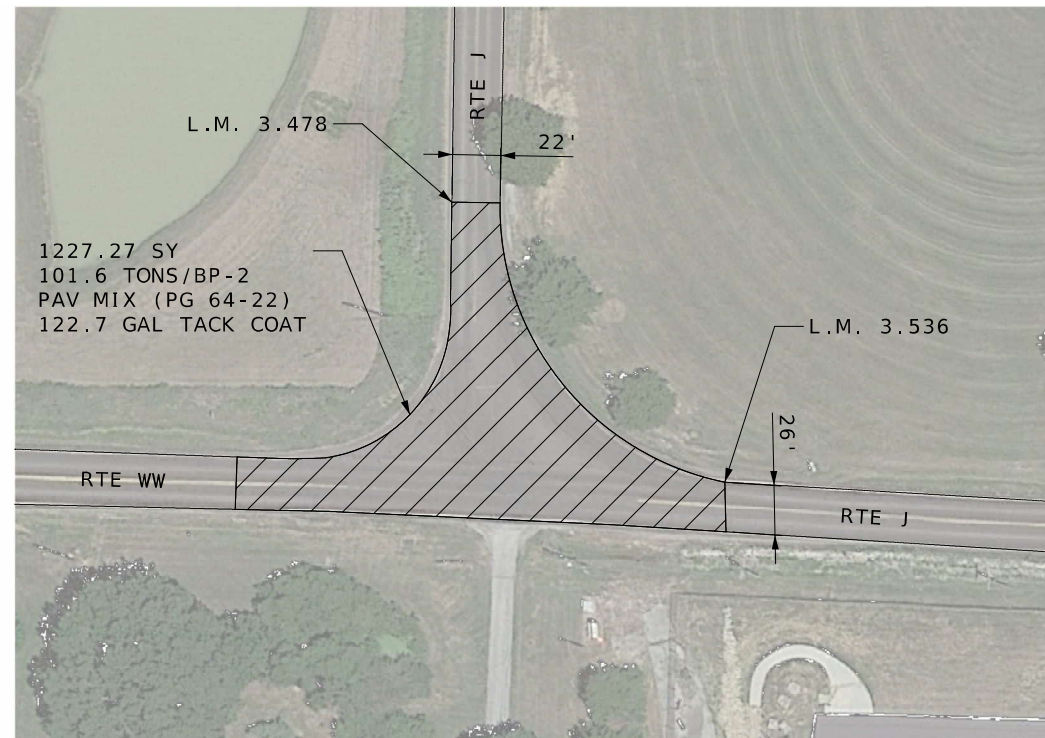
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

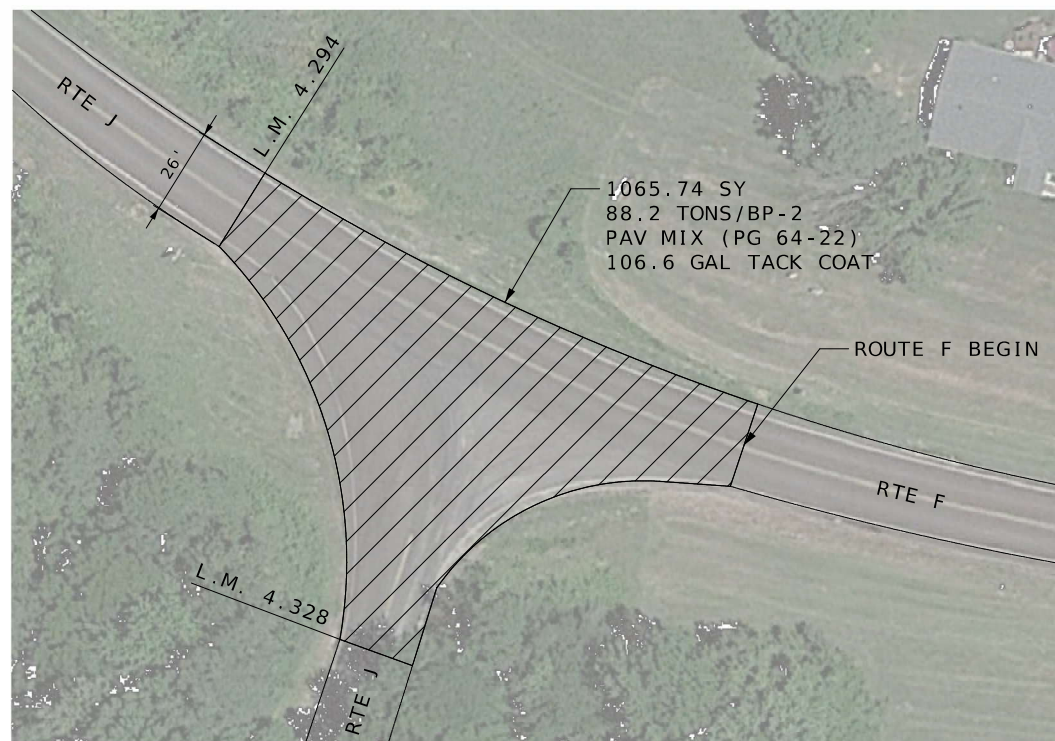


BEGIN PROJECT - RTE J
L.M. 0.059

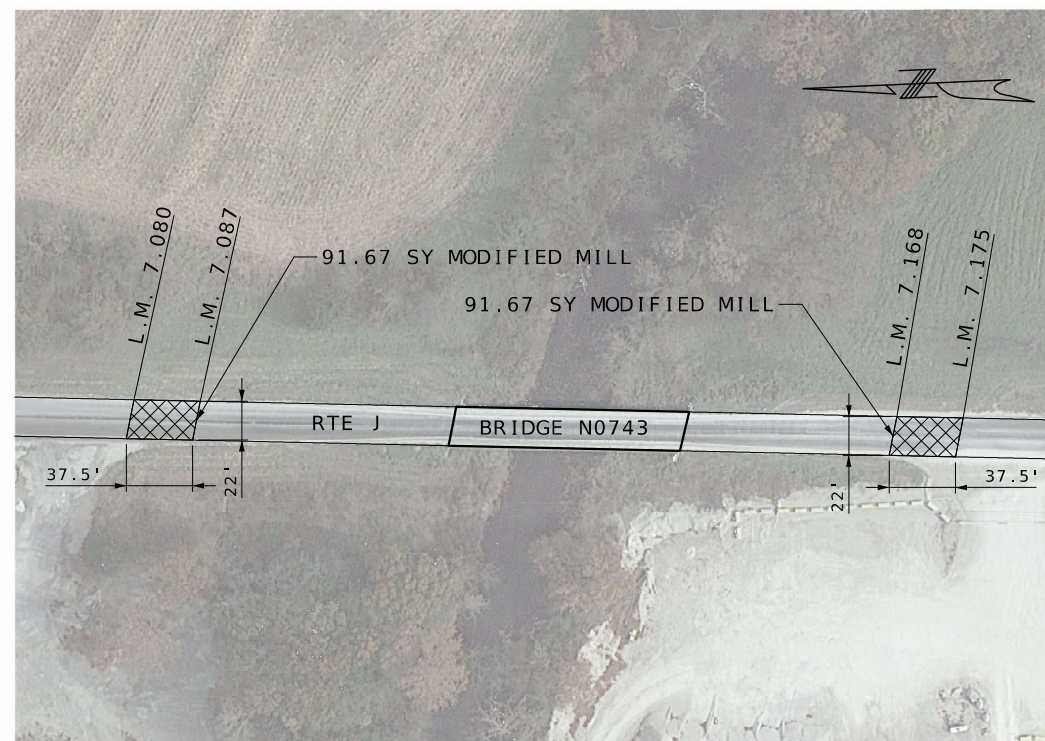


MILLERSBURG - RTE J
L.M. 3.478 - L.M. 3.536

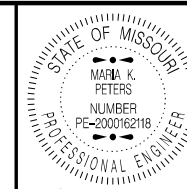
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INTERSECTION - RTE J AND RTE F
L.M. 4.277 - L.M. 4.346



BRIDGE N0743 EXCEPTION - RTE J
L.M. 7.087 - L.M. 7.168



DATE PREPARED
6/25/2024

ROUTE STATE
VARIES MO

DISTRICT SHEET NO.
CD 5

COUNTY
CALLAWAY

JOB NO.
JCD0029

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)



DATE PREPARED
6/25/2024

ROUTE STATE
VARIES MO

DISTRICT SHEET NO.
CD 6

COUNTY
CALLAWAY

JOB NO.
JCD0029

CONTRACT ID.

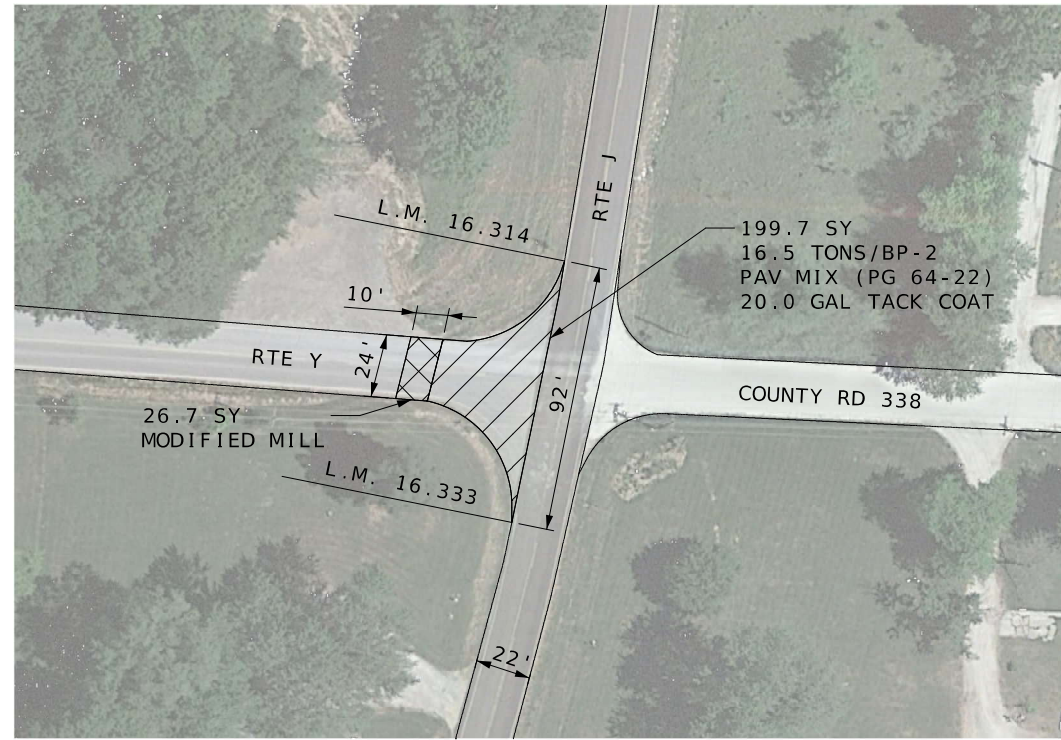
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BRIDGE NO.

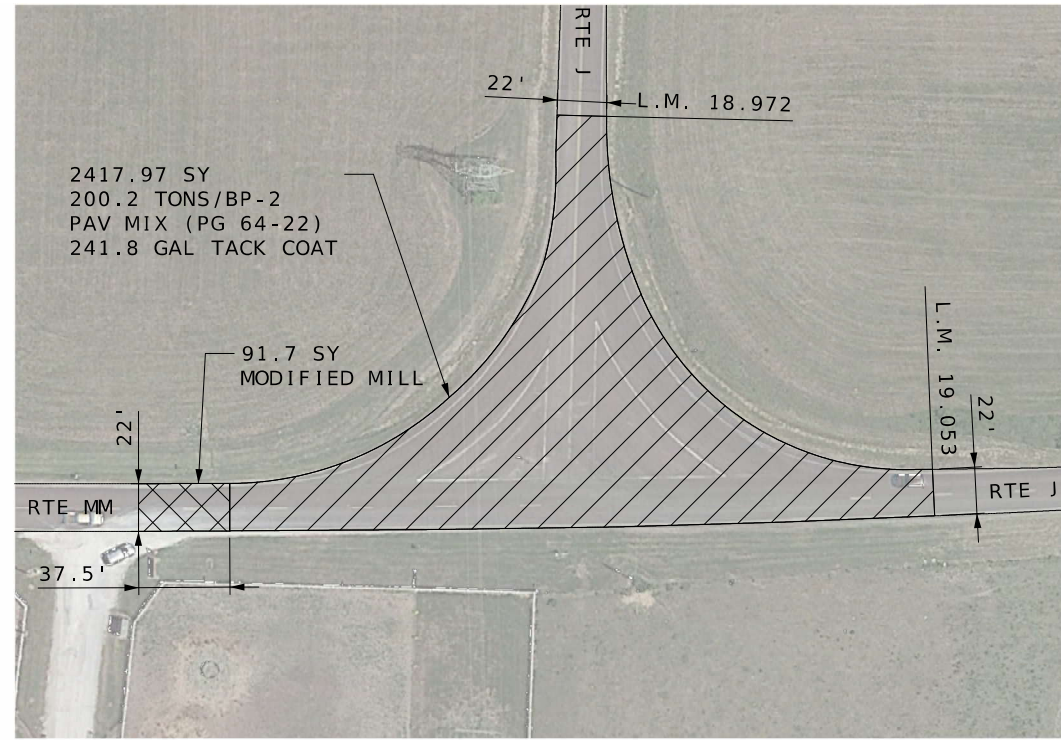
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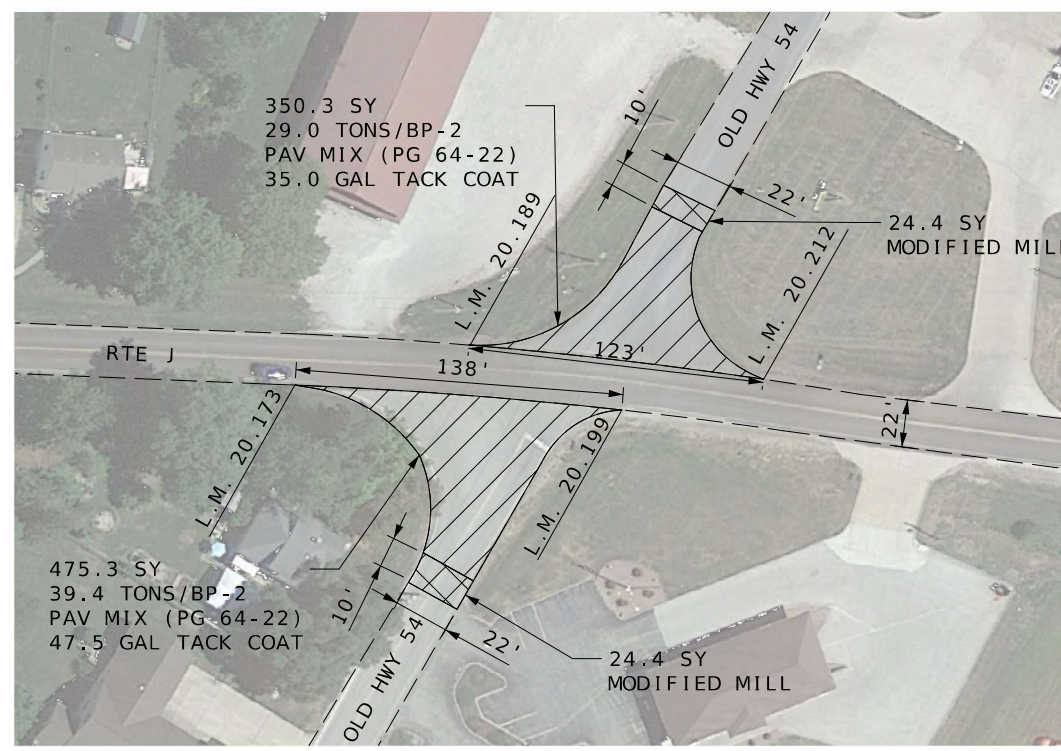


RTE J AND RTE Y INTERSECTION
L.M. 16.314 - L.M. 16.333

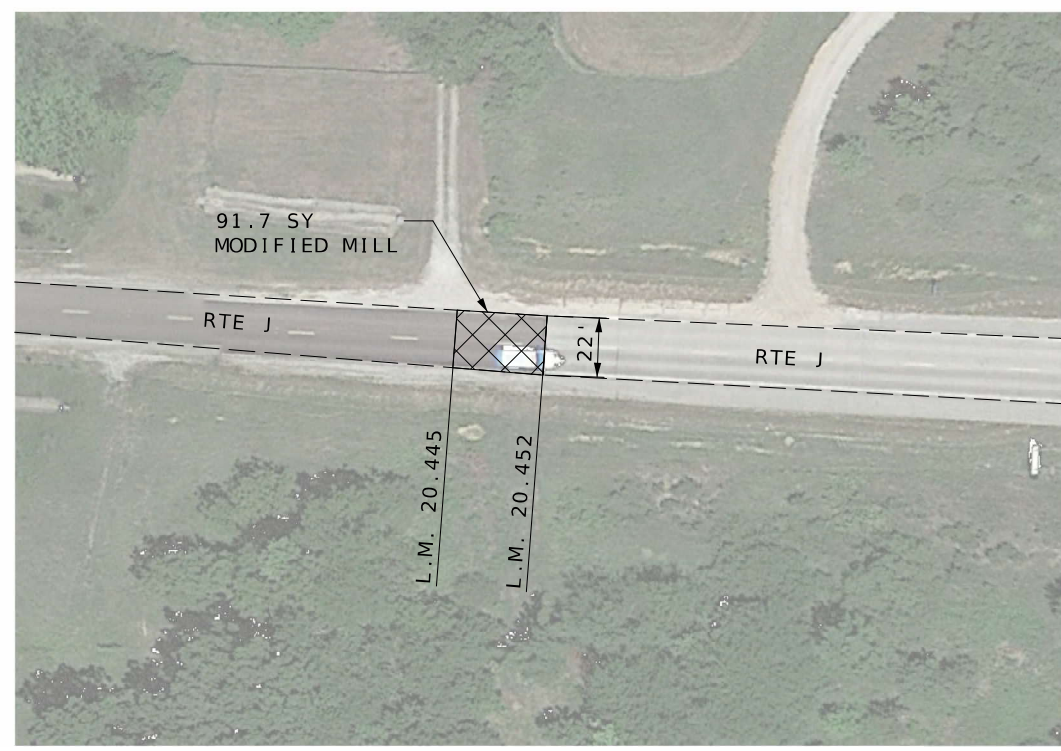


RTE J AND RTE MM INTERSECTION
L.M. 18.972 - L.M. 19.053

NOT TO SCALE



RTE J AND OLD HWY 54 INTERSECTION
L.M. 20.173 - L.M. 20.211



RTE J - PROJECT END
L.M. 20.452



DATE PREPARED
6/25/2024

ROUTE STATE
VARIES MO

DISTRICT SHEET NO.
CD 7

COUNTY
CALLAWAY

JOB NO.
JCD0029

CONTRACT ID.

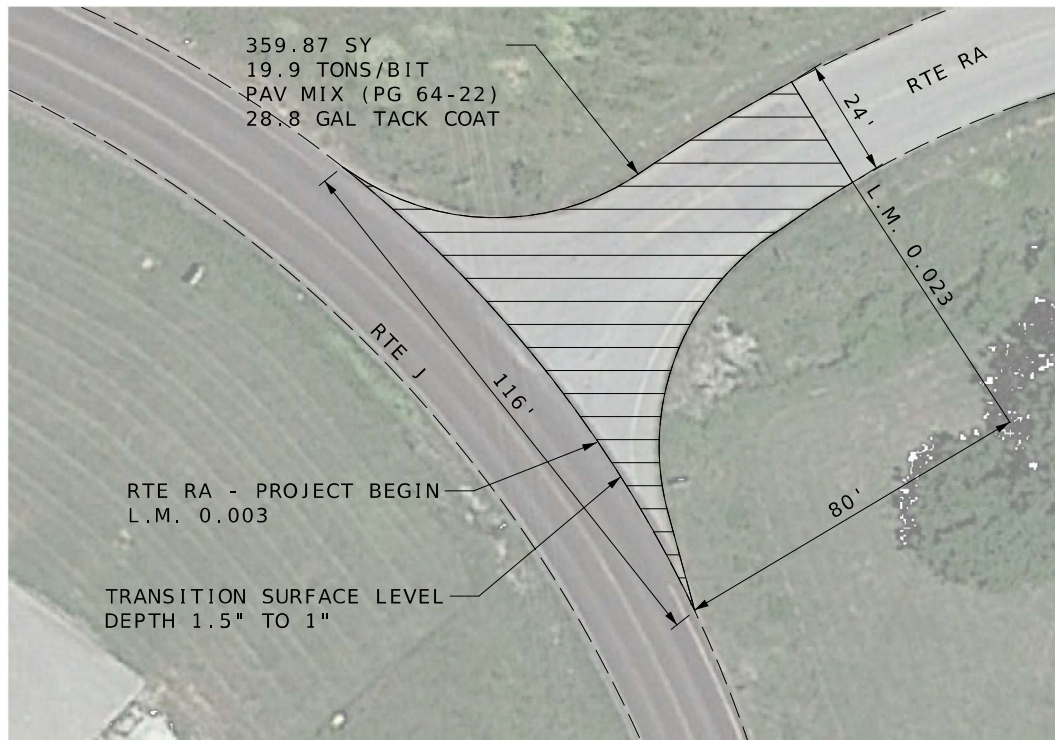
PROJECT NO.

BRIDGE NO.

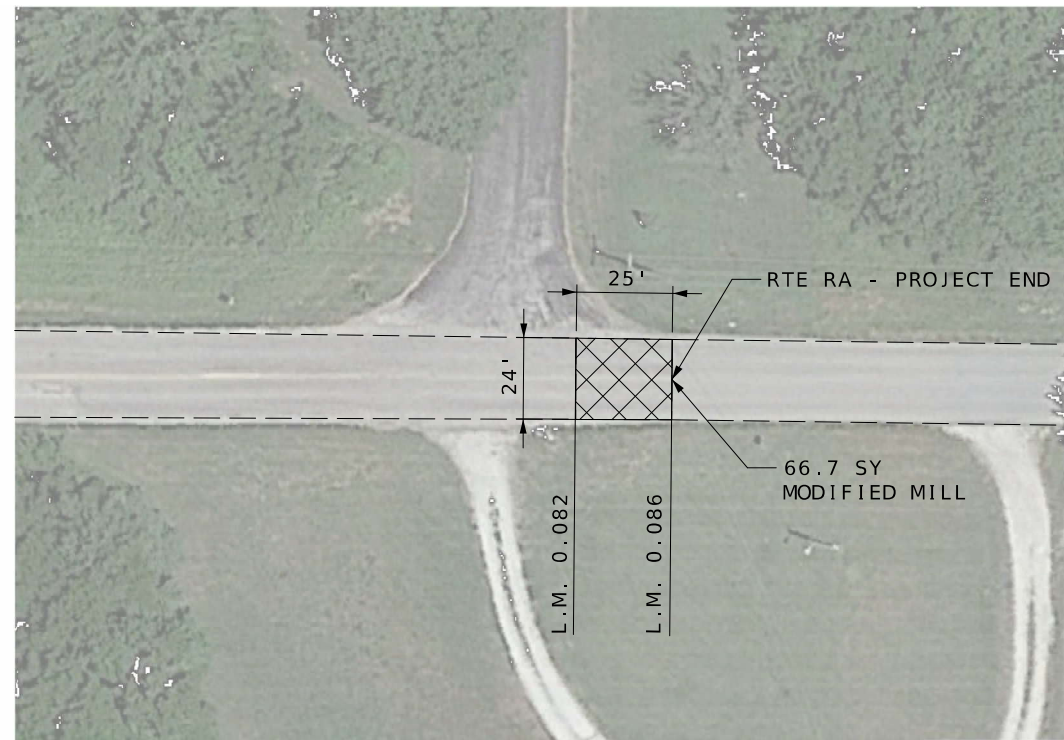
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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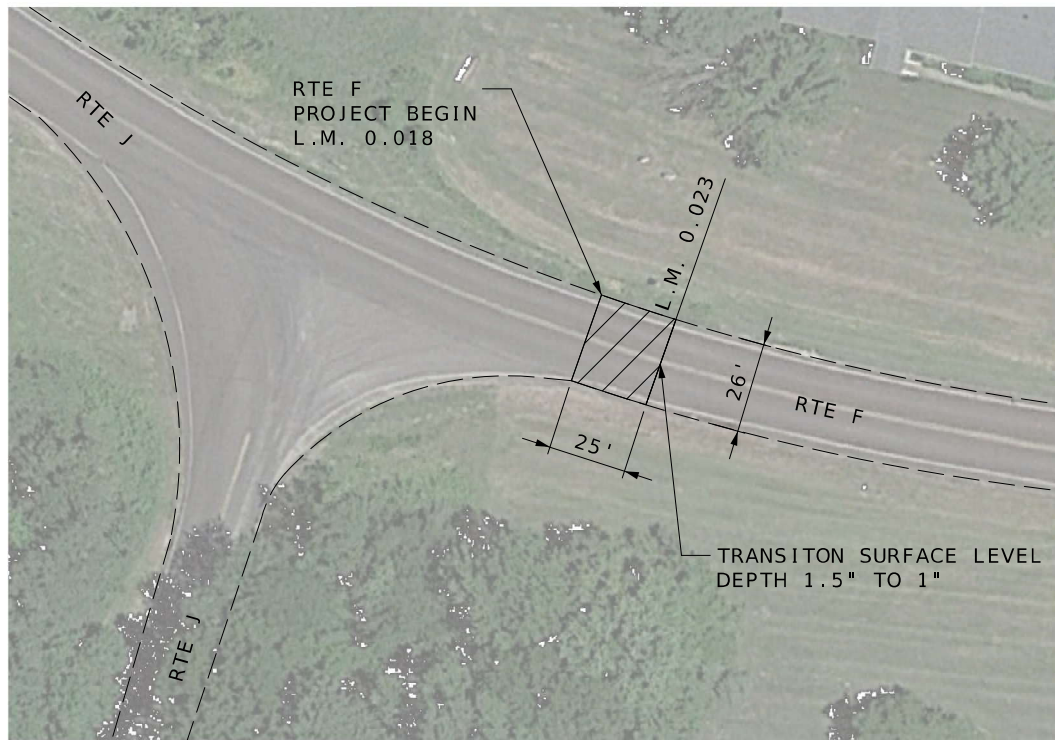


RTE J AND RTE RA INTERSECTION
RTE RA - PROJECT BEGINNING
L.M. 0.003



RTE RA - END ROUTE
L.M. 0.086

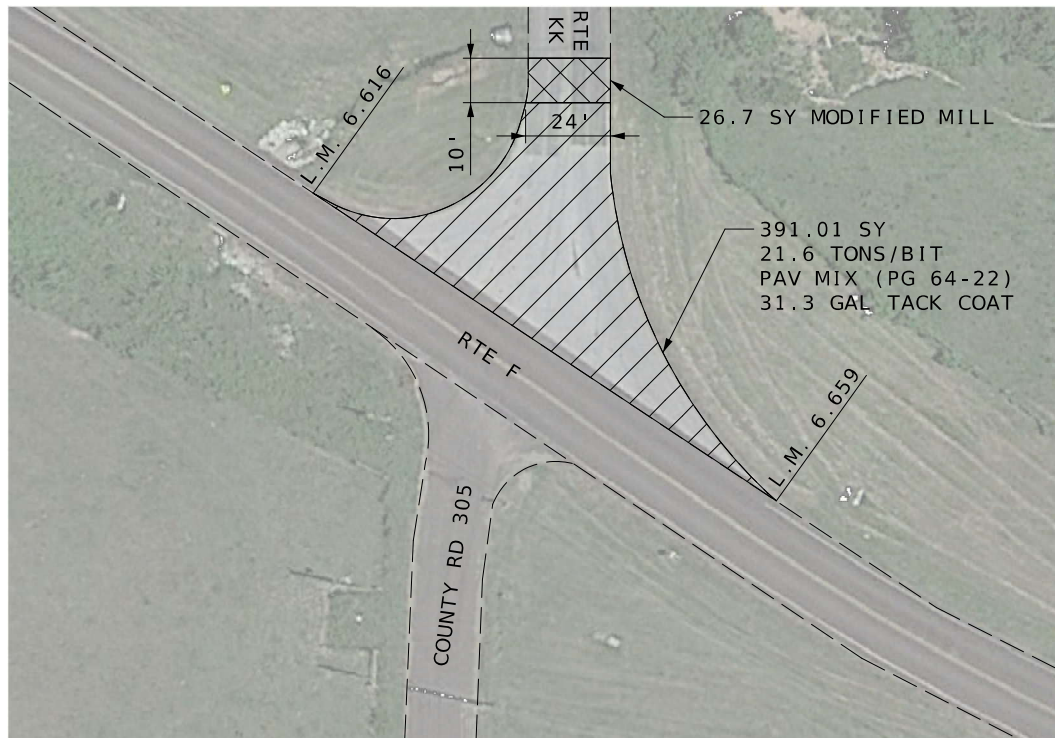
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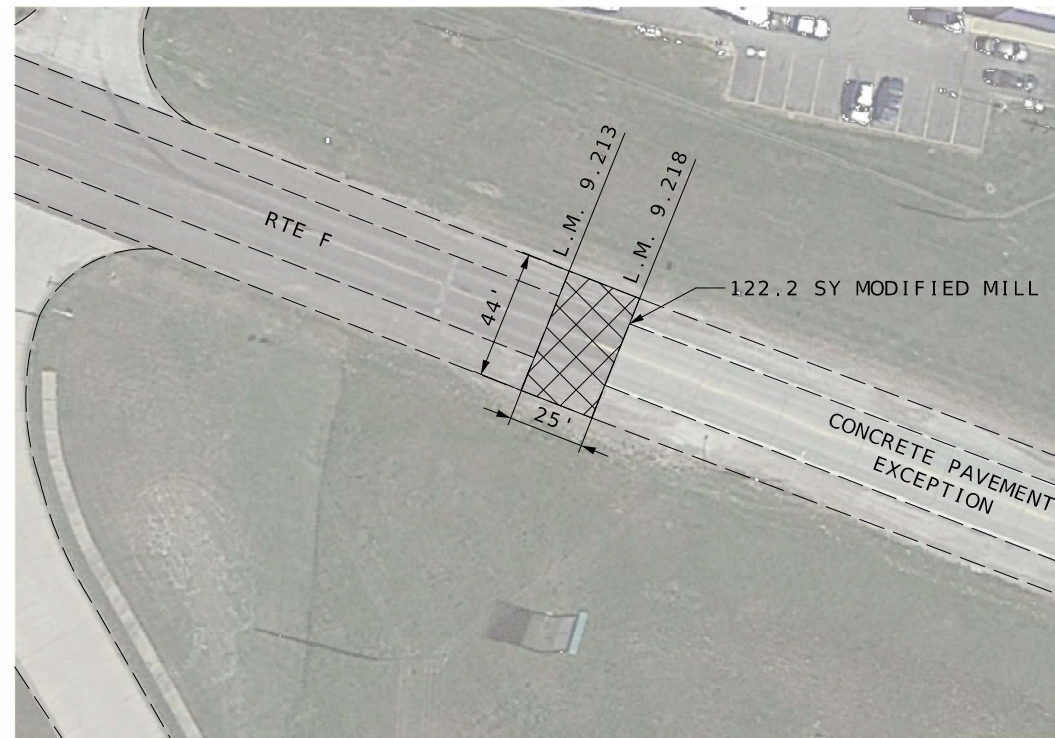
RTE F - BEGIN ROUTE
L.M. 0.018



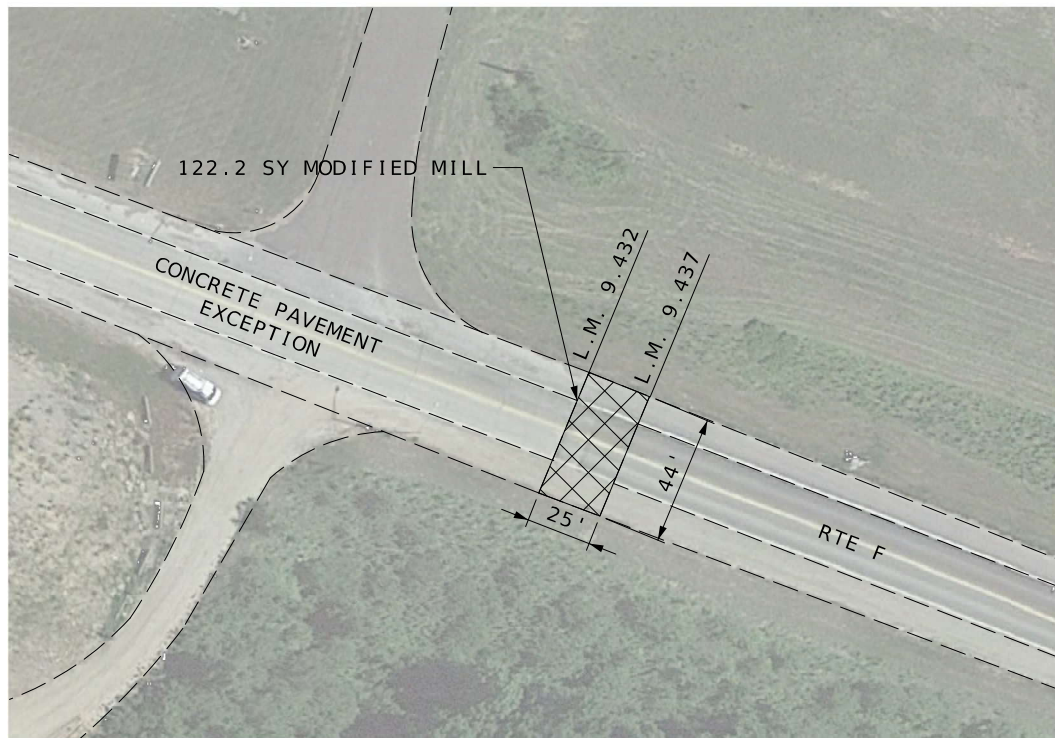
RTE F - BRIDGE A7277
L.M. 1.978 - L.M. 1.998



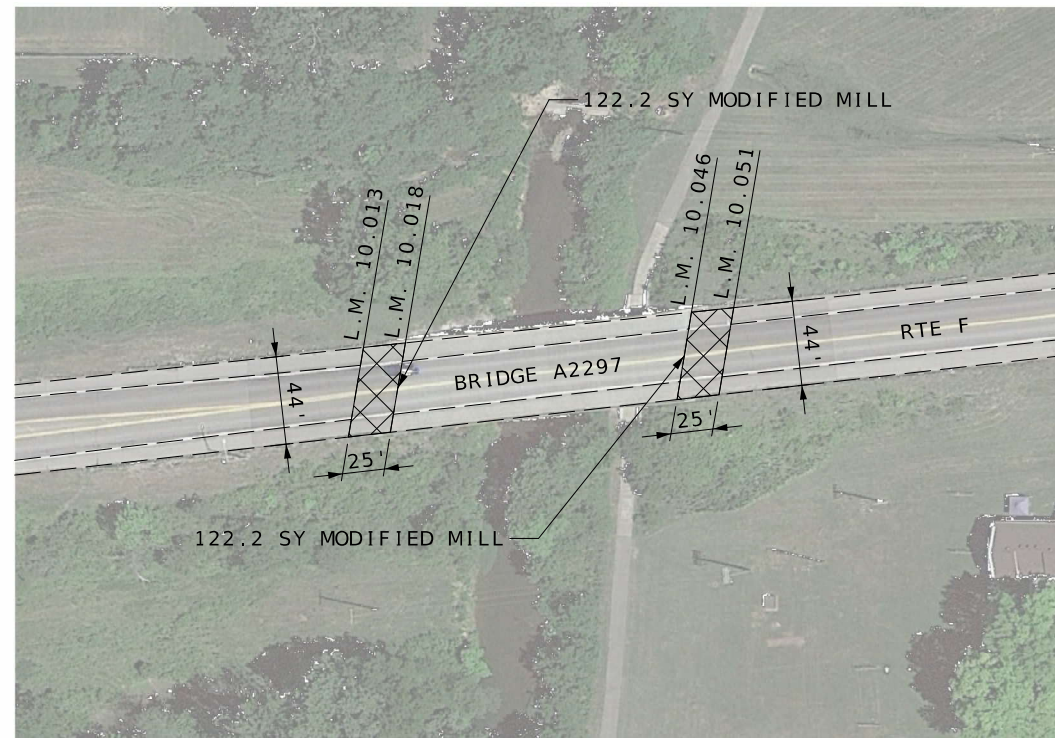
RTE F AND RTE KK INTERSECTION
L.M. 6.616 - L.M. 6.659



RTE F - BRIDGE A2296 WEST END
L.M. 9.218

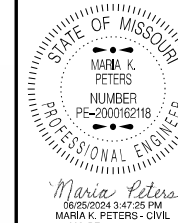


RTE F - BRIDGE A2296 EAST END
L.M. 9.432



RTE F - BRIDGE A2297
L.M. 10.018 - L.M. 10.046

NOT TO SCALE



DATE PREPARED
6/25/2024

ROUTE STATE
VARIES MO

DISTRICT SHEET NO.
CD 8

COUNTY
CALLAWAY

JOB NO.
JCD0029

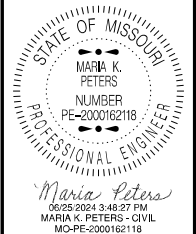
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

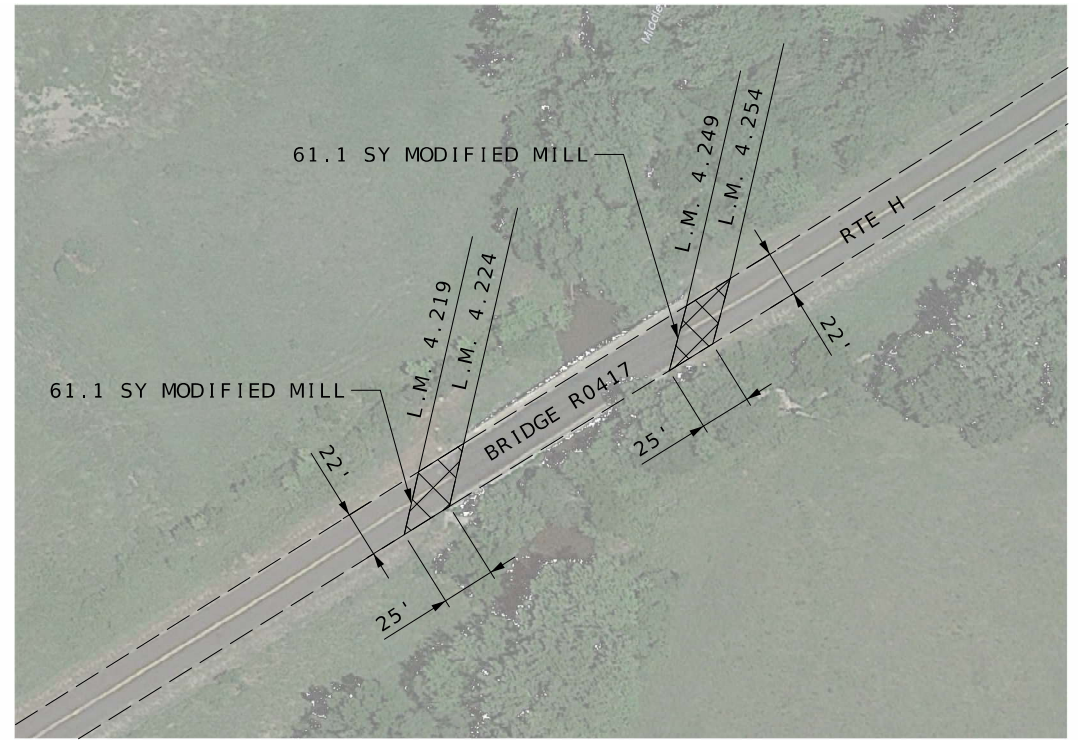


DATE PREPARED
 6/25/2024
 ROUTE
 VARIES
 DISTRICT
 CD
 COUNTY
 CALLAWAY
 JOB NO.
 JCD0029
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

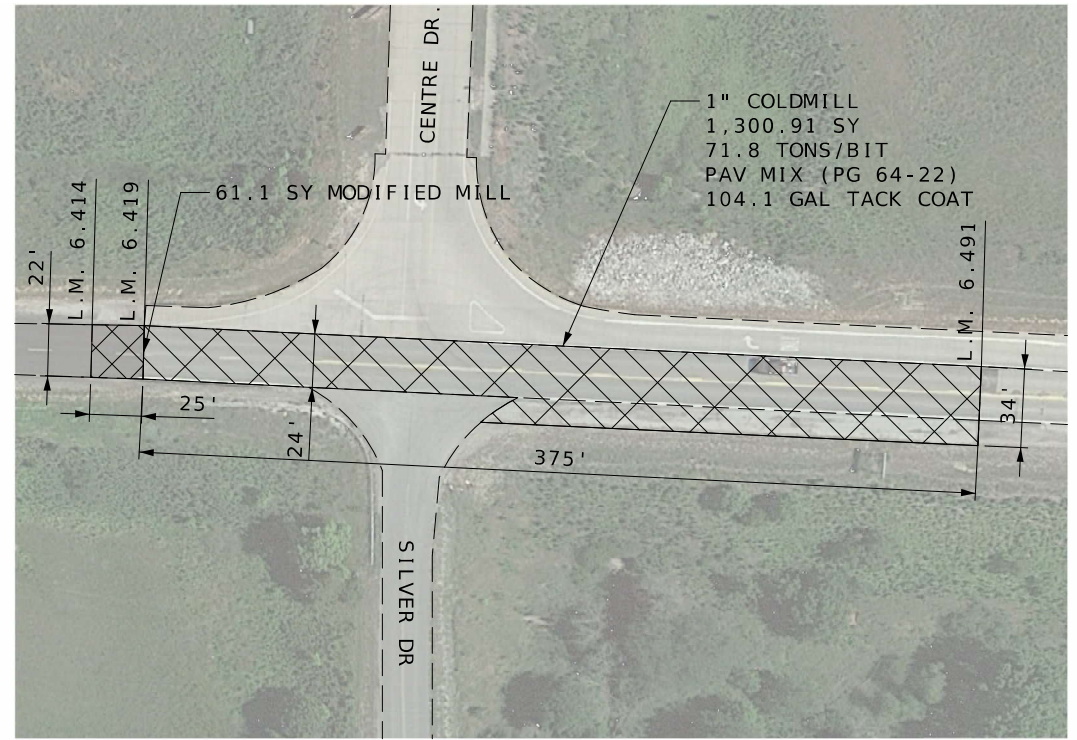
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-273-6636)

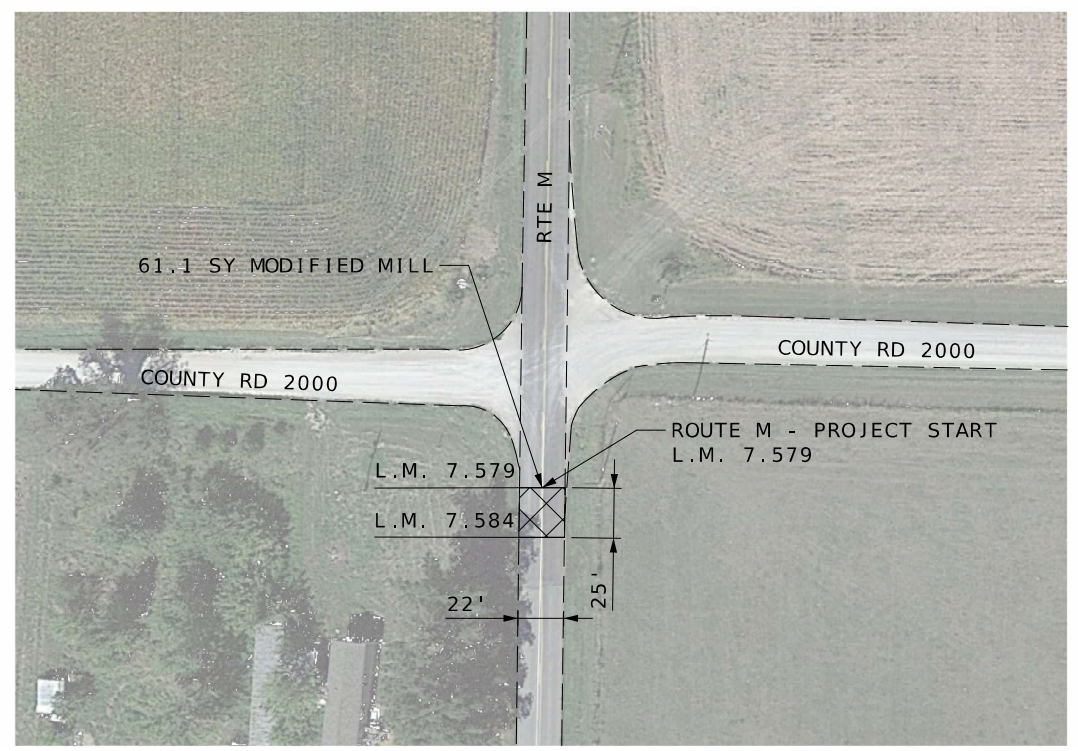


RTE H - BRIDGE R0417
 L.M. 4.224 - L.M. 4.249

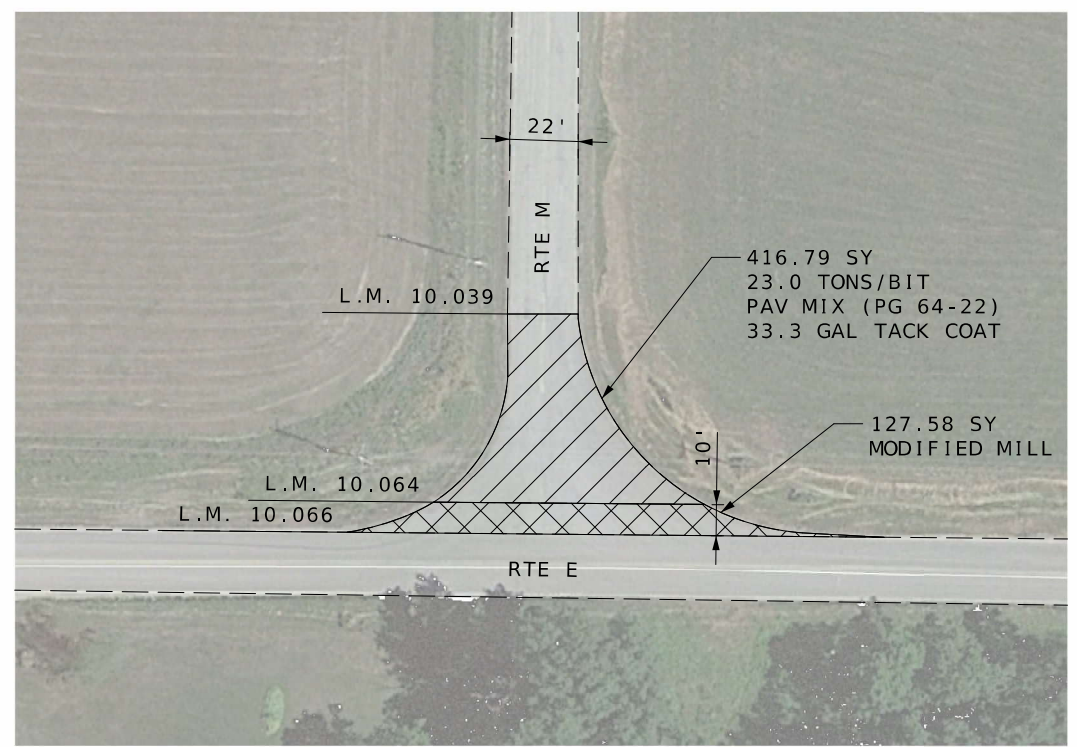


RTE H - ROUTE END
 L.M. 6.414 - L.M. 6.491

NOT TO SCALE



RTE M - ROUTE START
 L.M. 7.579



RTE M AND RTE E INTERSECTION
 L.M. 10.039 - L.M. 10.053



DATE PREPARED
6/25/2024

ROUTE STATE
VARIES MO
DISTRICT SHEET NO.
CD 11

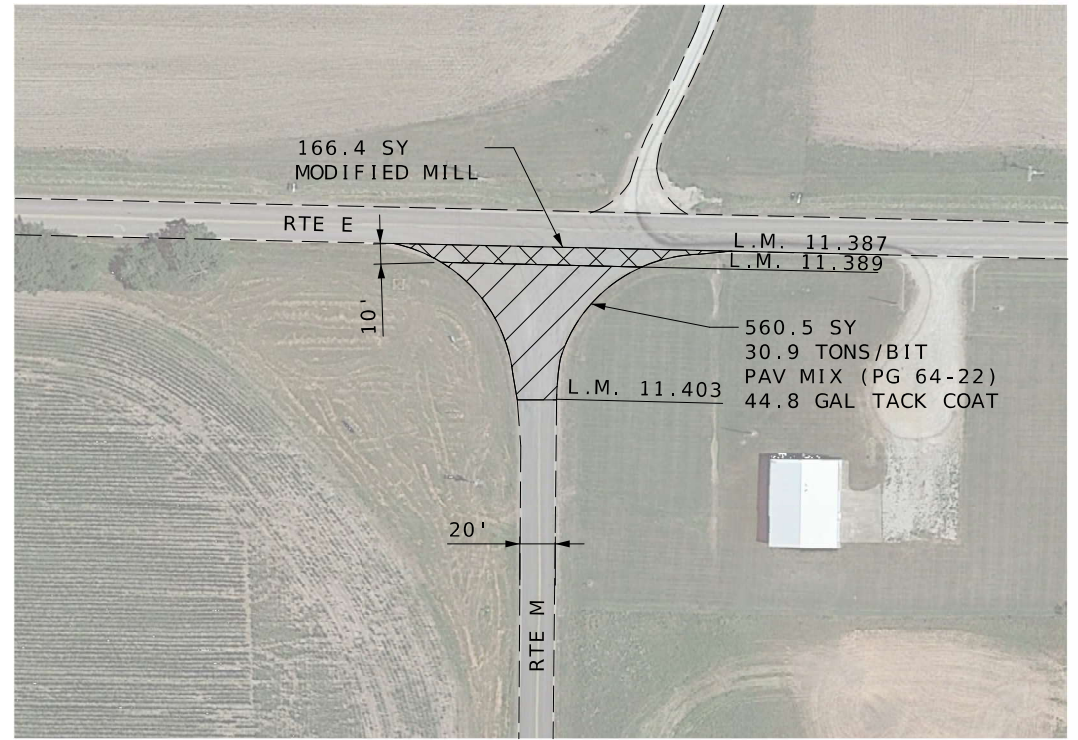
COUNTY
CALLAWAY
JOB NO.
JCD0029
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

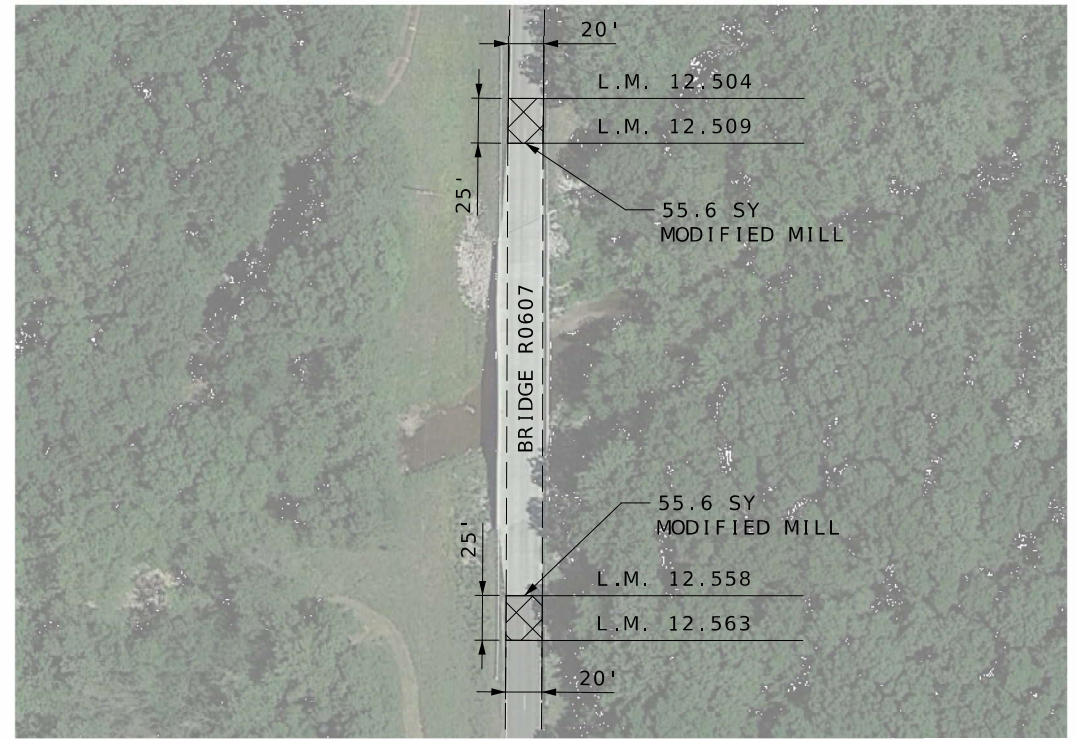
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 JEFFERSON CITY, MO 65102
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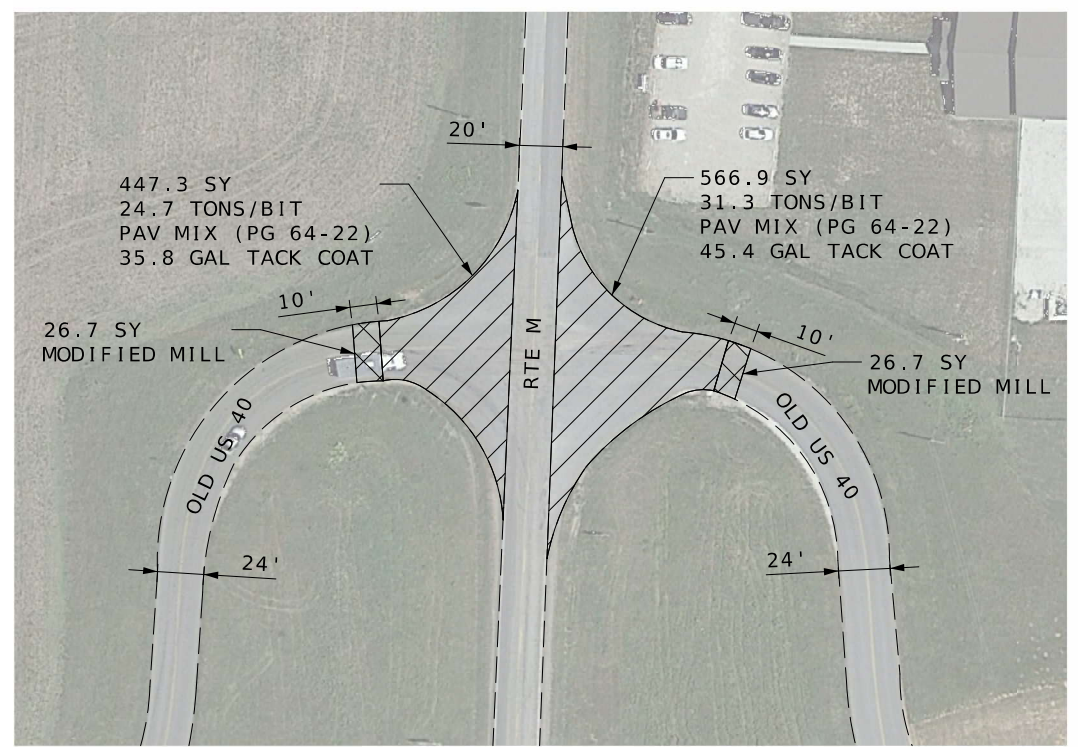


RTE M - SOUTH PORTION START
L.M. 11.387 - L.M. 11.403

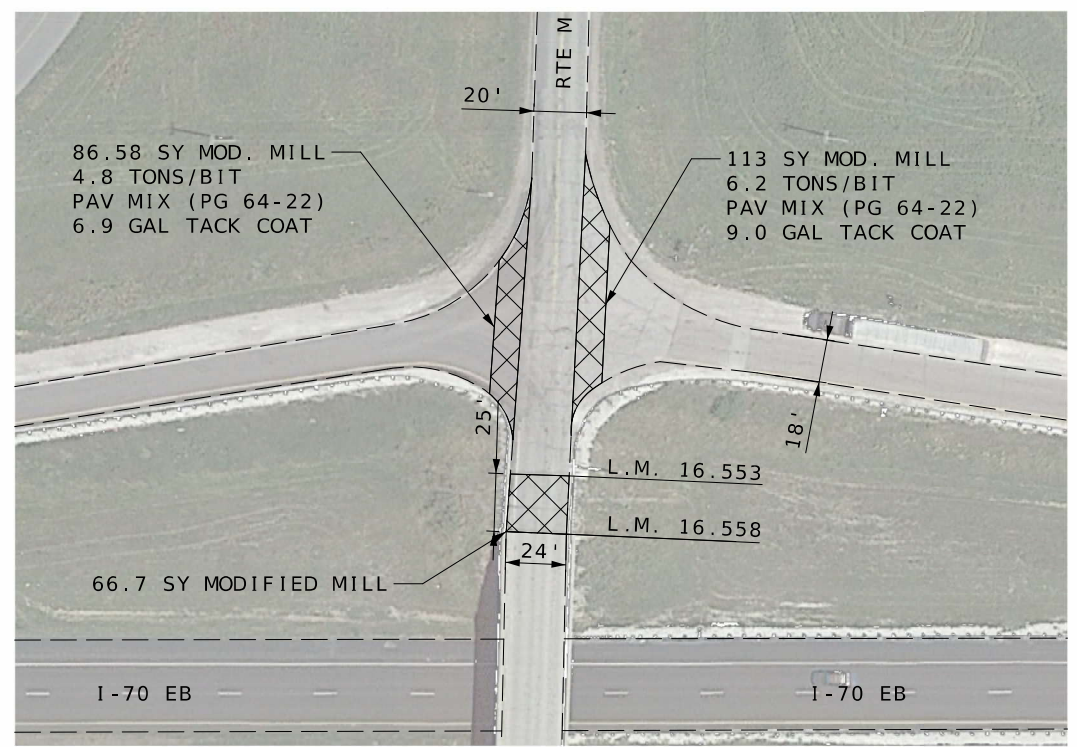


EXCEPTION - BRIDGE R0607
L.M. 12.509 - L.M.12.558

NOT TO SCALE



RTE M AND OLD US 40 INTERSECTION
L.M. 16.456 - L.M. 16.486



RTE M - ROUTE END
L.M. 16.558



DATE PREPARED
6/25/2024

ROUTE STATE
VARIES MO
DISTRICT SHEET NO.
CD 12

COUNTY
CALLAWAY

JOB NO.
JCD0029

CONTRACT ID.

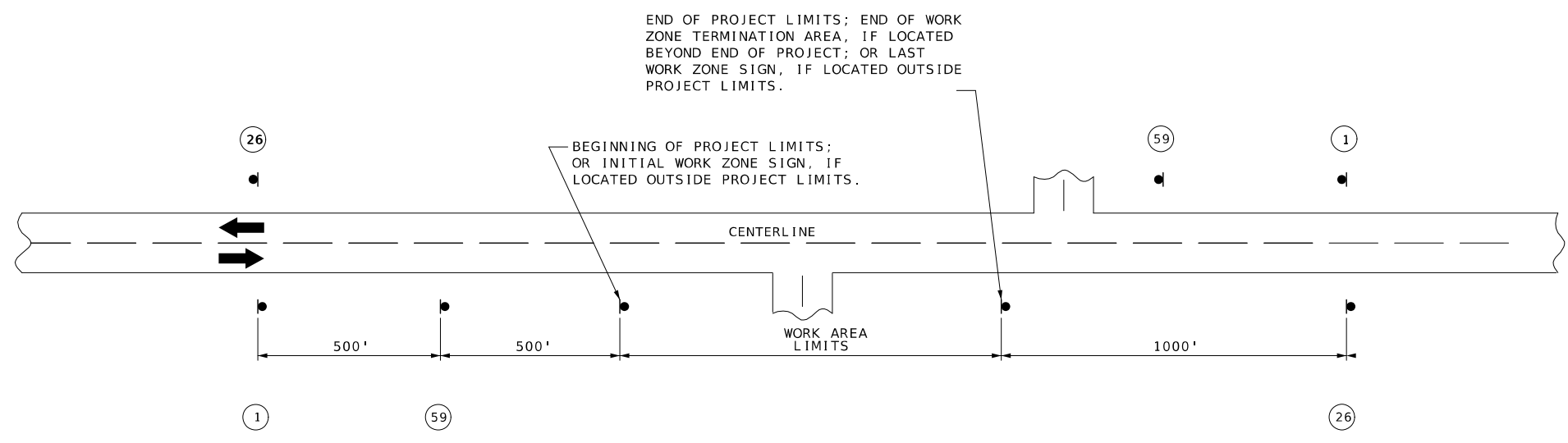
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

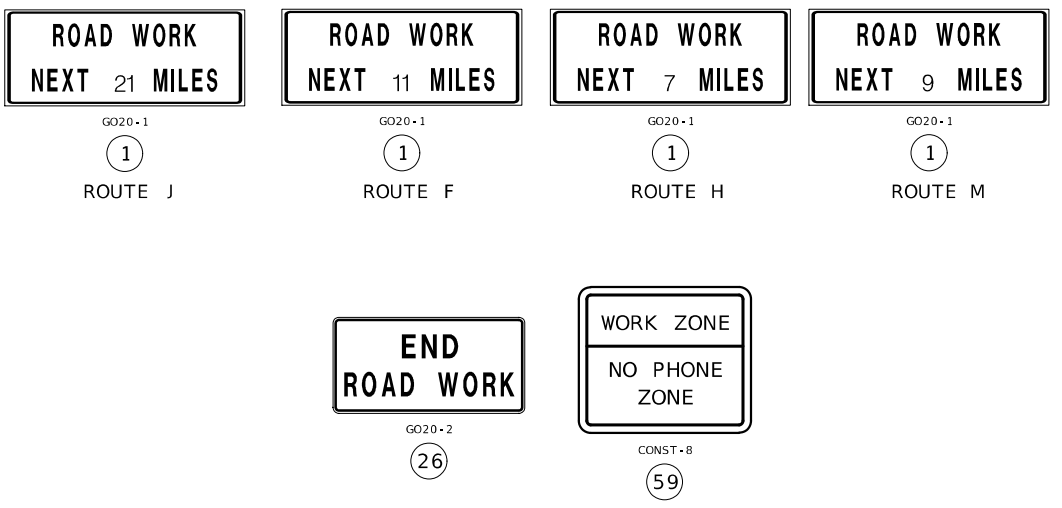


NOTES:

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.



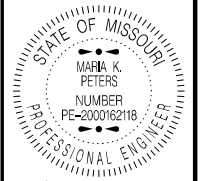
SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

DISTANCE MAY BE ADJUSTED ACCORDING TO 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



DATE PREPARED: 6/25/2024 3:50:31 PM

ROUTE STATE: VARIES MO

DISTRICT SHEET NO.: CD 14

COUNTY: CALLAWAY

JOB NO.: JCD0029

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

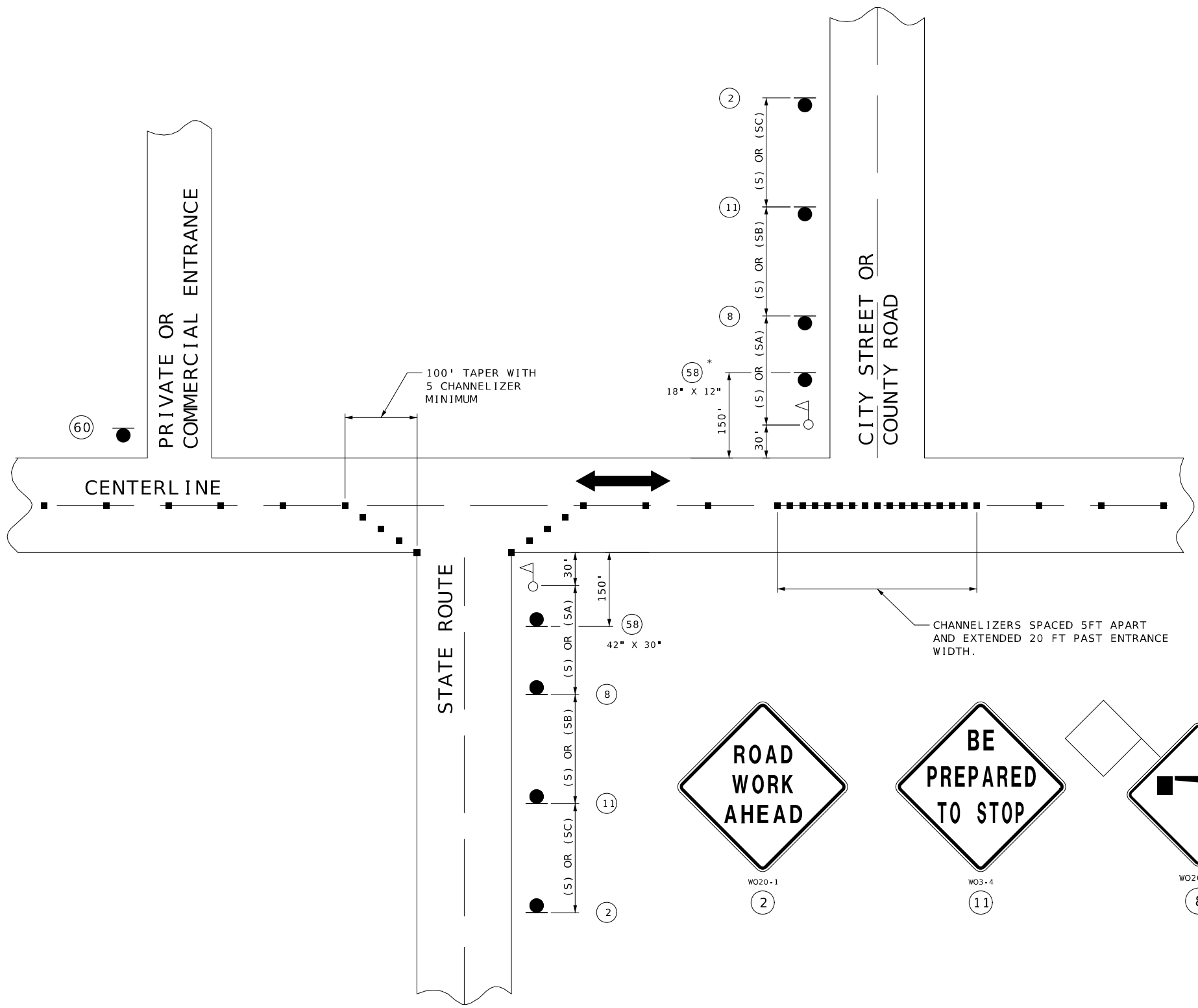
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

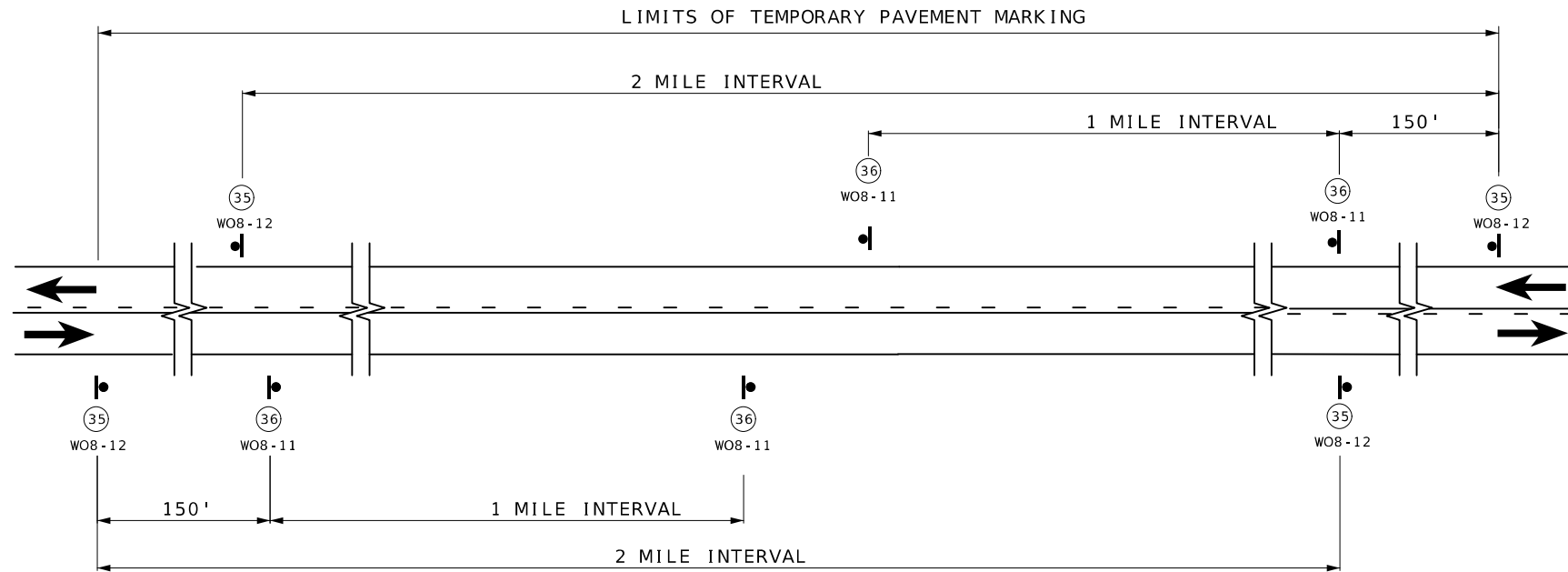
1-888-ASK-MODOT (1-888-275-6636)



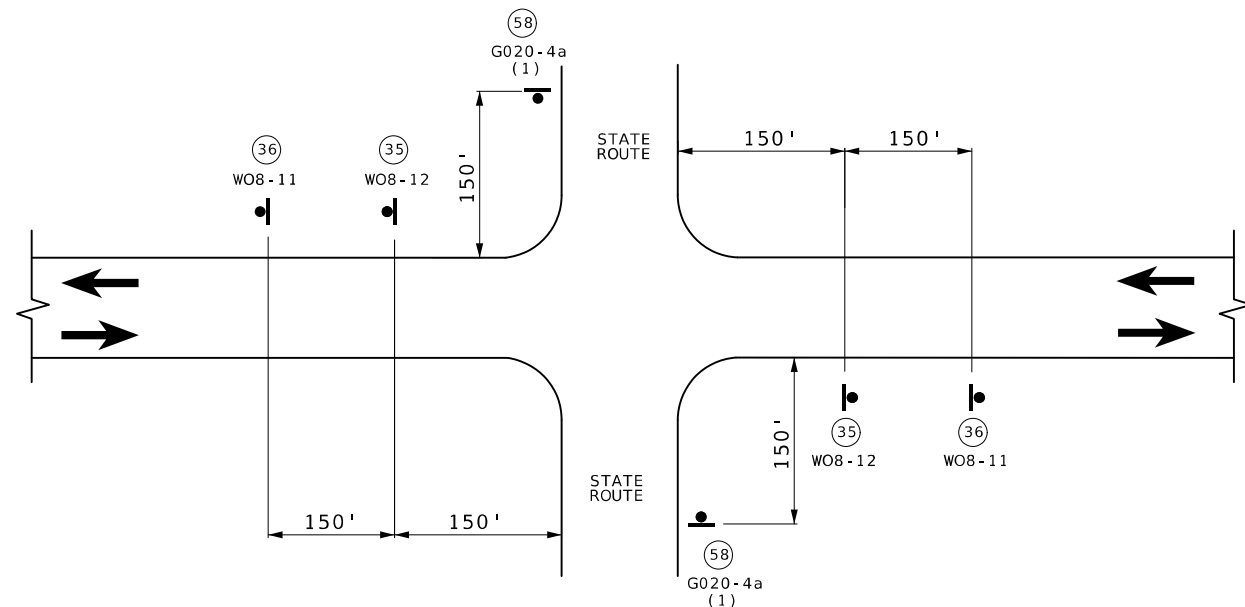
SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.

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

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



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE

(1) ADDITIONAL SIDEROADS MAY BE SIGNED AS APPROVED BY THE ENGINEER.



NOTES:

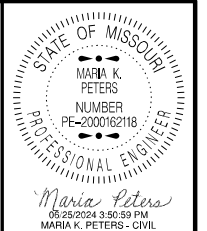
SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS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

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 5



DATE PREPARED
6/25/2024

ROUTE	STATE
VARIES	MO
DISTRICT	SHEET NO.
CD	15

COUNTY
CALLAWAY

JOB NO.
JCD0029

CONTRACT ID.

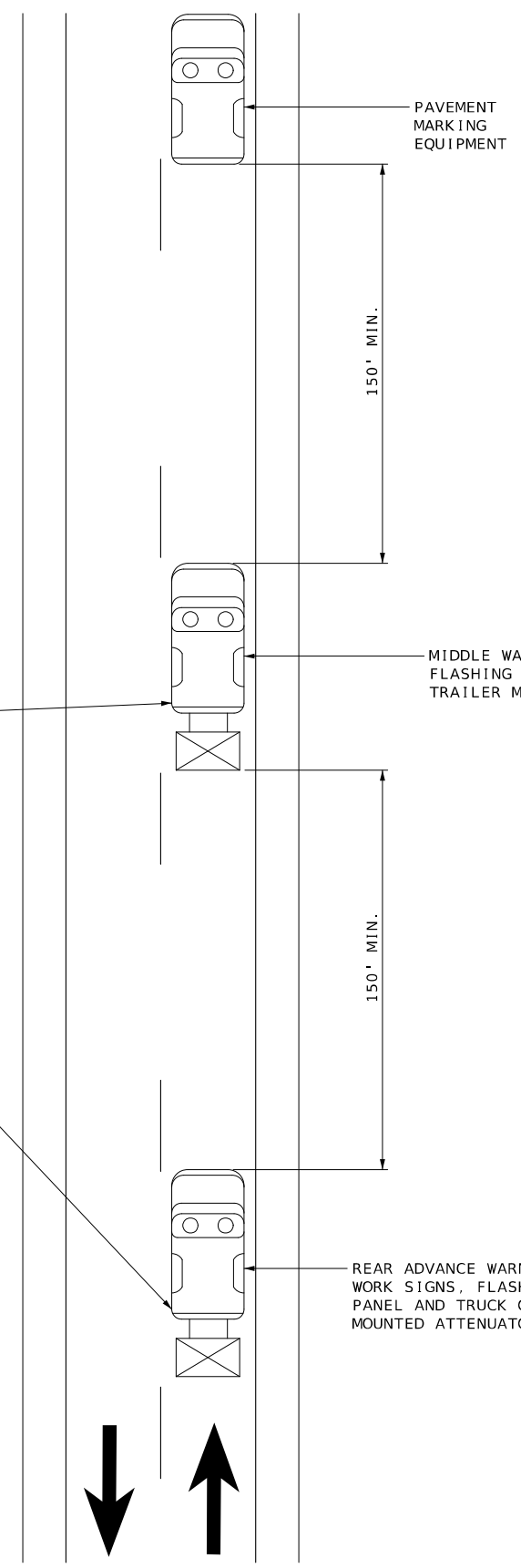
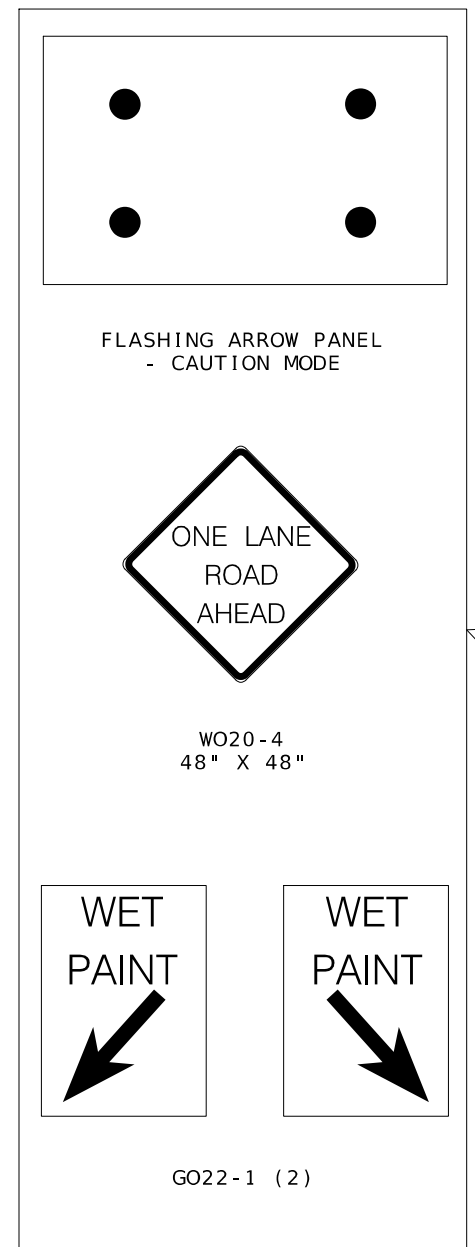
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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 SHALL 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
MARIA K. PETERS
NUMBER
PE-2000162118
PROFESSIONAL ENGINEER

Maria Peters
06/25/2024 9:51:29 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
6/25/2024

ROUTE VARIES	STATE MO
DISTRICT CD	SHEET NO. 16

COUNTY
CALLAWAY

JOB NO.
JCD0029

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)

DESIGN DESIGNATION

ROUTE N-
A.A.D.T. - 2023 = 1511
V = 55 M.P.H.

ROUTE WW-
A.A.D.T. - 2023 = 9696
V = 55 M.P.H.

NO NEW R/W TO BE ACQUIRED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

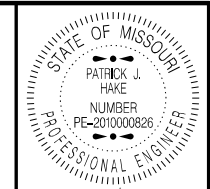
PLANS FOR PROPOSED

STATE HIGHWAY

BOONE & CALLAWAY COUNTY

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (5 SHEETS)-----	3
SPECIAL SHEET (SS)-----	4-11
TRAFFIC CONTROL SHEETS (TC)-----	12-16



DATE PREPARED
7/22/2024

ROUTE STATE
N&WW MO

DISTRICT SHEET NO.
CD 1

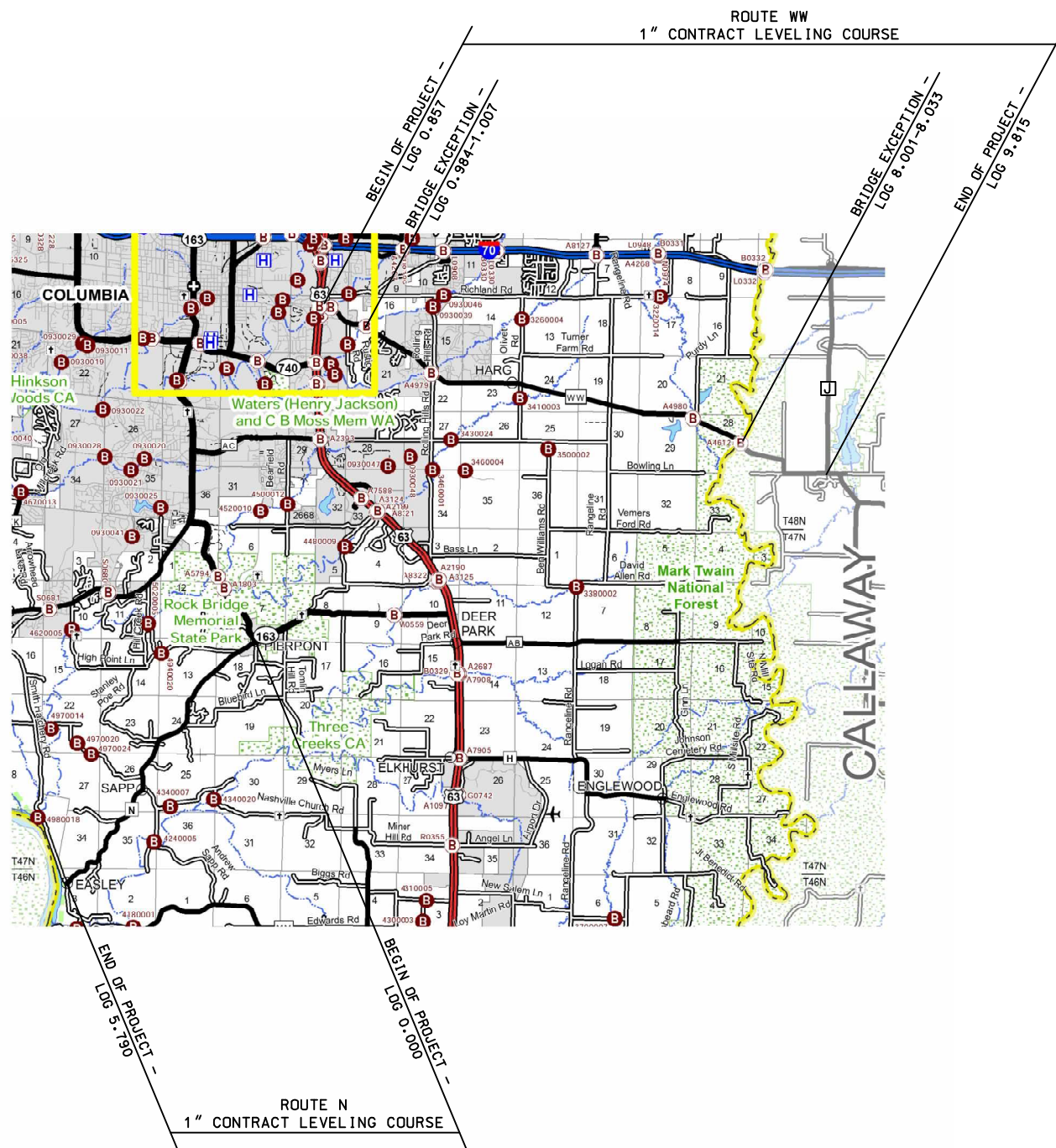
COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



NOT TO SCALE

LENGTH OF PROJECT

ROUTE N

BEGINNING OF PROJECT	LOG MILE	0.000
END OF PROJECT	LOG MILE	5.790
APPARENT LENGTH		30571.20 FEET
EXCEPTION:		NONE
TOTAL CORRECTIONS		0.000 FEET
NET LENGTH OF PROJECT		30571.20 FEET
STATE LENGTH		5.790 MILES

ROUTE WW

BEGINNING OF PROJECT	LOG MILE	0.857
END OF PROJECT	LOG MILE	9.815
APPARENT LENGTH		47298.24 FEET
EXCEPTION: BRIDGE - B0334 (OVER NORTH FORK GRINDSTON)	LOG MILE	0.984-1.007
EXCEPTION: BRIDGE - A4612 (OVER CEDAR CREEK)	LOG MILE	8.001-8.033
TOTAL CORRECTIONS		290.40 FEET
NET LENGTH OF PROJECT		47007.84 FEET
STATE LENGTH		8.903 MILES

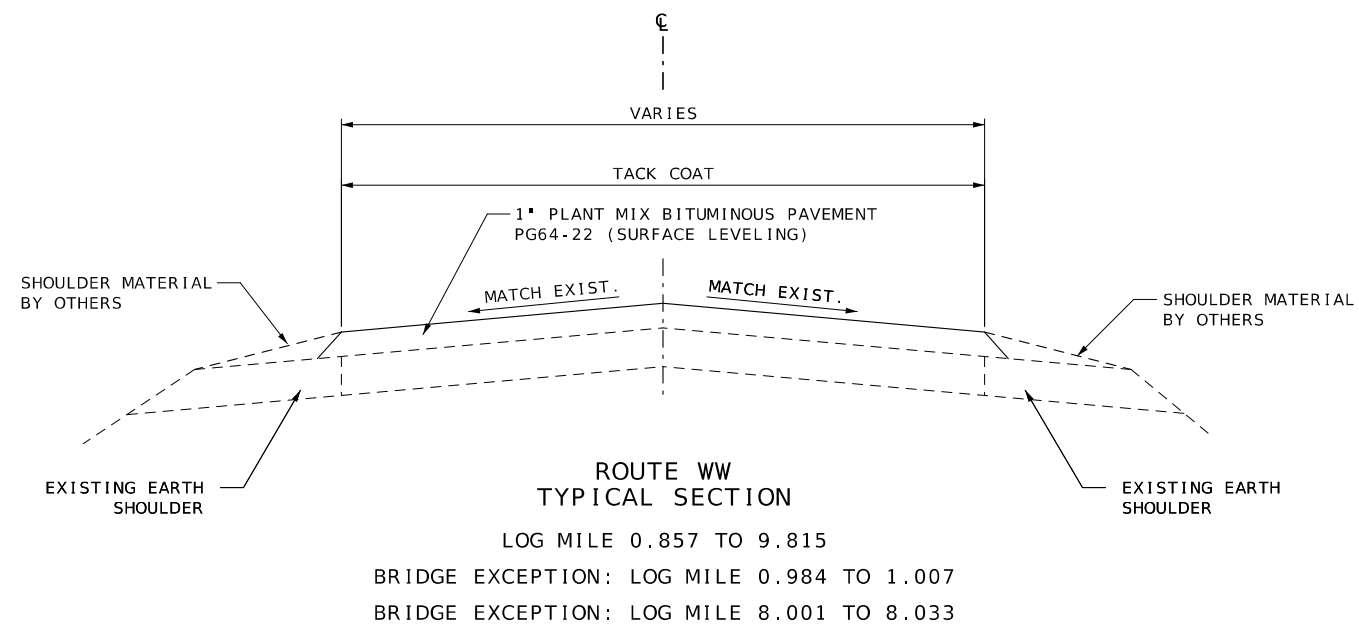
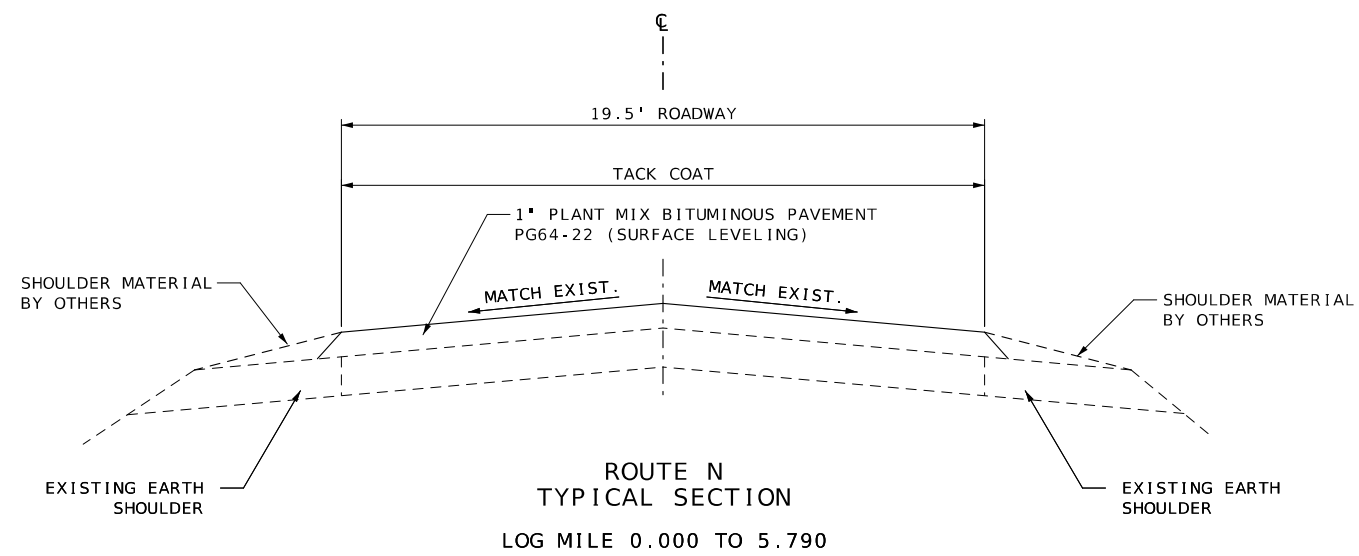
PROJECT STATE LENGTH 14.693 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0 ACRES

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



ESTIMATE FACTORS	
BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.987 TON/YD ³
TACK COAT (EXIST. ASPHALT SURFACE)	.08 GAL/YD ²
TACK COAT (COLDMILLED ASPHALT)	.10 GAL/YD ²

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

TYPICAL SECTION
SHEET 1 OF 1



DATE PREPARED
7/22/2024

ROUTE STATE
NS,WW#### MO

DISTRICT SHEET NO.
CD 2

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

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)

REMOVAL OF IMPROVEMENTS				
APPROX LOG MILE	LOCATION	ITEM	QTY	REMARKS
5.319	ROUTE N - LT	GUARDRAIL WITH CET	680 LF	
2.417	ROUTE WW - LT	GUARDRAIL WITH CET	304 LF	
2.417	ROUTE WW - RT	GUARDRAIL WITH CET	245 LF	
7.957	ROUTE WW RT - CEDAR CR	GUARDRAIL WITH BRIDGE ATTACHMENT AND CET	135 LF	
7.969	ROUTE WW LT - CEDAR CR	GUARDRAIL WITH BRIDGE ATTACHMENT AND CET	150 LF	
8.033	ROUTE WW RT - CEDAR CR	GUARDRAIL WITH BRIDGE ATTACHMENT AND CET	135 LF	
8.033	ROUTE WW LT - CEDAR CR	GUARDRAIL WITH BRIDGE ATTACHMENT AND CET	135 F	
TOTAL 1 LUMP SUM				

BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22 - ROUTE N											
APPROX. LOG MILE	APPROX. LOG MILE	LOCATION	LENGTH MI	LENGTH LF	AVG WIDTH FT	AREA SF	AREA SY	SURFACE LEVELING PG 64-22 1" THICK 1.987 TON/CY TONS	TACK COAT GAL	REMARKS	
0.000	0.022	ROUTE N	0.022	116.160	VAR	2271.43	252.38	13.93	25.24	BEGIN AT RTE 163	
0.022	5.790	ROUTE N	5.768	30455.040	19.50	593873.28	65985.92	3642.06	5278.87	END AT SME	
								73.12		2% FOR SAFETY SLOPE	
								914.00		25% IRREGULARITIES	
SUBTOTAL - ROUTE N								4643.11	5304.11		
SUBTOTAL - ROUTE N ENTRANCES								69.11	100.18		
TOTAL - ROUTE N								4712.22	5404.29		
USE								4712.2	5404		

BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22 - ROUTE N ENTRANCES									
APPROX. LOG MILE	APPROX. LOG MILE	LOCATION	AREA SF	AREA SY	SURFACE LEVELING PG 64-22 1" THICK 1.987 TON/CY TONS	TACK GAL/SY GAL	GRAVEL (A) CRUSHED STONE (B) CHAT (C) TON	REMARKS	
0.000	5.790	ROUTE N	1046.00	116.22	6.41	9.30	430.00		
		HIGH POINT LN	1903.24	211.47	11.67	16.92			
		BROOK VALLEY DR - LT	2208.15	245.35	13.54	19.63			
		STANLEY POE RD	753.24	83.69	4.62	6.70			
		WOODIE PROCTOR RD	1379.21	153.25	8.46	12.26			
		NASHVILLE CHURCH RD	2667.44	296.38	16.36	23.71			
		GLEASON RD	921.82	102.42	5.65	8.19			
		WINDING RIVER RD	390.53	43.39	2.40	3.47			
SUBTOTAL - ROUTE N ENTRANCES					69.11	100.18	430.00		
TOTAL - ROUTE N ENTRANCES							430		

NOTE :

REFER TO STANDARD PLANS 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

SUMMARY OF QUANTITIES SHEET 1 OF 5



DATE PREPARED
7/22/2024

ROUTE STATE
N&WW MO
DISTRICT SHEET NO.
CD 3

COUNTY
BOONE / CALLAWAY
JOB NO.
JCD0050
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)

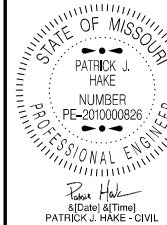
BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22 - ROUTE WW										
APPROX. LOG MILE	APPROX. LOG MILE	LOCATION	LENGTH MI	LENGTH LF	AVG WIDTH FT	AREA SF	AREA SY	SURFACE LEVELING PG 64-22 1" THICK 1.987 TON/CY TONS	TACK 0.08 GAL/SY GAL	REMARKS
0.857	0.876	ROUTE WW	0.019	100.32	34.00	3410.88	378.99	20.92	30.32	INCLUDES EXIST SHLDR LT
0.876	0.945	ROUTE WW	0.069	364.32	36.00	13115.52	1457.28	80.43	116.58	
0.945	0.984	ROUTE WW	0.039	205.92	28.00	5765.76	640.64	35.36	51.25	
0.984	1.007	ROUTE WW	0.023	121.44						BRIDGE EXCEPTION - BR B0334
1.007	1.128	ROUTE WW	0.121	638.88	28.00	17888.64	1987.63	109.71	159.01	END OF BRIDGE TO BEGIN CONC WIDENING LEFT
1.128	1.173	ROUTE WW	0.045	237.60	26.00	6177.6	686.40	37.89	54.91	BEGIN CONC WIDEN LT TO BEGIN CONC WIDEN RIGHT
1.173	1.243	ROUTE WW	0.070	369.60	24.00	8870.4	985.60	54.40	78.85	CONC WIDEN BOTH SIDES TO END CONC WIDEN RIGHT
1.243	1.300	ROUTE WW	0.057	300.96	26.00	7824.96	869.44	47.99	69.56	END CONC WIDEN RT TO END CONC WIDEN LT. END AT RADIUS TO EL CHAPPARAL
1.300	1.332	ROUTE WW	0.032	168.96	28.00	4730.88	525.65	29.01	42.05	THROUGH EL CHAPPARAL INTERSECTION
1.332	1.483	ROUTE WW	0.151	797.28	26.00	20729.28	2303.25	127.13	184.26	BEGIN CONC WIDEN LT TO END CONC WIDEN LT EAST OF ROSETA AVE
1.483	1.565	ROUTE WW	0.082	432.96	32.00	13854.72	1539.41	84.97	123.15	WIDTH VARIES 28' TO 36'
1.565	1.883	ROUTE WW	0.318	1679.04	26.00	43655.04	4850.56	267.72	388.04	ALONG CONCRETE LANE RT
1.884	2.286	ROUTE WW	0.402	2122.56	30.00	63676.8	7075.20	390.51	566.02	
2.286	2.293	ROUTE WW	0.007	36.96	37	1367.52	151.95	8.39	12.16	
2.293	2.453	ROUTE WW	0.160	844.80	44	37171.2	4130.13	227.96	330.41	
2.453	2.492	ROUTE WW	0.039	205.92	VAR	7420.54	824.50	45.51	65.96	WEST LEG ROLLING HILLS ROUNDABOUT
2.492	2.531	ROUNDAABOUT			VAR	12757.66	1417.52	78.24	113.40	
2.531	2.570	ROUTE WW	0.039	205.92	VAR	9053.28	1005.92	55.52	80.47	EAST LEG ROLLING HILLS ROUNDABOUT
2.570	2.780	ROUTE WW	0.210	1108.80	42.00	46569.6	5174.40	285.60	413.95	
2.780	2.804	ROUTE WW	0.024	126.72	32	4055.04	450.56	24.87	36.04	
2.804	2.811	ROUTE WW	0.007	36.96	29	1071.84	119.09	6.57	9.53	WIDTH VARIES 32 TO 26
2.811	3.513	ROUTE WW	0.702	3706.56	26	96370.56	10707.84	591.01	856.63	MILL/FILL AREA
3.513	6.871	ROUTE WW	3.358	17730.24	26	460986.24	51220.69	2827.10	4097.66	
6.871	7.221	ROUTE WW	0.350	1848	44	81312	9034.67	498.66	722.77	
7.221	7.841	ROUTE WW	0.620	3273.6	28	91660.8	10184.53	562.13	814.76	
7.841	7.856	ROUTE WW	0.015	79.2	36	2851.2	316.80	17.49	25.34	WIDTH VARIES
7.856	8.001	ROUTE WW	0.145	765.6	44	33686.4	3742.93	206.59	299.43	
8.001	8.033	ROUTE WW	0.032	168.96			0.00			BRIDGE EXCEPTION
8.033	8.389	ROUTE WW	0.356	1879.68	44	82705.92	9189.55	507.21	735.16	
8.389	9.800	ROUTE WW	1.411	7450.08	26	193702.08	21522.45	1187.92	1721.80	
9.800	9.815	ROUTE WW	0.015	81.4	26	2116.4	235.16	12.98	18.81	
								1264.47		15% IRREGULARITIES
								168.60		2% FOR SAFETY SLOPE
SUBTOTAL - ROUTE WW								9862.86	12218.28	
SUBTOTAL - ROUTE WW ENTRANCES								124.68	180.72	
TOTAL - ROUTE WW								9987.54	12399.00	
USE								9987.5	12399	

BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22 - ROUTE WW ENTRANCES								
APPROX. LOG MILE	APPROX. LOG MILE	LOCATION	AREA SF	AREA SY	SURFACE LEVELING PG 64-22 1" THICK 1.987 TON/CY TONS	TACK 0.08 GAL/SY GAL	GRAVEL (A) CRUSHED STONE (B) CHAT (C) TON	REMARKS
0.857	9.815	ROUTE WW	5416.00		33.21	48.14	425.00	
2.258		CEDAR GROVE BLVD	1239.68	137.74	7.60	11.02		
4.019		OLIVET RD - LT	2240.39	248.93	13.74	19.91		
4.019		OLIVET RD - RT	1400.1	155.57	8.59	12.45		
4.650		BLACKTHORNE LN	652.58	72.51	4.00	5.80		
5.599		RANGELINE LT	1071.62	119.07	6.57	9.53		
5.599		RANGELINE RT	1461.38	162.38	8.96	12.99		
6.640		MONTROSE AVE	836.31	92.92	5.13	7.43		
8.840		CO RD 259	2960.43	328.94	18.16	26.31		
9.061		CO RD 350	3052.78	339.20	18.72	27.14		
SUBTOTAL - ROUTE WW ENTRANCES					124.68	180.72		
TOTAL							425.00	
USE							425	

MOBILIZATION
1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 2 OF 5

COLDMILLING								
APPROX. LOG MILE	APPROX. LOG MILE	LOCATION	LENGTH FT	WIDTH FT	AREA SF	MODIFIED COLDMILLING DEPTH TRANSITIONS SY	COLDMILLING 3 INCH THICK OR LESS SY	REMARKS
ROUTE N								
0.000	0.022	ROUTE N	116.16	VAR	2271.43	252.38		BEGIN AT RTE 163
0.341		ROUTE N	10.00	34.00	340.00	37.78		AT HIGH POINT LANE
1.717		ROUTE N	10.00	32.00	320.00	35.56		AT BROOK VALLEY DRIVE - LEFT
1.540		ROUTE N	10.00	22.00	220.00	24.44		AT STANLEY POE ROAD
3.256		ROUTE N	10.00	24.00	240.00	26.67		AT WOODIE PROCTOR ROAD
3.498		ROUTE N	10.00	26.00	260.00	28.89		AT NASHVILLE CHURCH ROAD
4.219		ROUTE N	10.00	24.00	240.00	26.67		AT GLEASON ROAD
5.018		ROUTE N	10.00	39.00	390.00	43.33		AT WINDING RIVER ROAD
5.781	5.790	ROUTE N	25.00	19.50	487.50	54.17		END AT SME
0.000	5.790	ROUTE N	VARIES	VARIES		14.44		PRIVATE ENTRANCES
SUBTOTAL - ROUTE N						544.33	0	
ROUTE WW								
0.857	0.866	ROUTE WW	25.000	34.000	850	94.44		BEGIN AT EXISTING CONC/ASPH JOINT WEST OF BR B0334
0.975	0.984	ROUTE WW	25.000	28.000	700	77.78		BRIDGE EXCEPTION - BR B0334
1.007	1.016	ROUTE WW	25.000	28.000	700	77.78		BRIDGE EXCEPTION - BR B0334
1.119	1.128	ROUTE WW	25.000	28.000	700	77.78		DEPTH TRANSITION TO MILL/FILL
1.128	1.173	ROUTE WW	237.600	26.00	6178		686.40	
1.173	1.243	ROUTE WW	369.600	24.00	8870		985.60	
1.243	1.300	ROUTE WW	300.960	26.00	7825		869.44	
1.300	1.332	ROUTE WW	168.960	28.00	4731		525.65	
1.332	1.483	ROUTE WW	797.280	26.00	20729		2303.25	
1.483	1.488	ROUTE WW	25.000	32.00	800	88.89		
1.560	1.565	ROUTE WW	25.000	32.00	800	88.89		
1.565	1.883	ROUTE WW	1679.040	26.00	43655		4850.56	
1.883	1.888	ROUTE WW	25.000	26.00	650	72.22		
2.448	2.453	ROUTE WW	25.000	44.00	1100	122.22		
2.453	2.492	ROUTE WW	205.920	VAR	7421		824.56	WEST LEG ROLLING HILLS ROUNDABOUT
2.492	2.531	ROUTE WW	205.920	VAR	12758		1417.56	ROLLING HILLS ROUNDABOUT
2.531	2.570	ROUTE WW	205.920	VAR	9053		1005.89	EAST LEG ROLLING HILLS ROUNDABOUT
2.570	2.575	ROUTE WW	25.000	42.00	1050	116.67		
2.806	2.811	ROUTE WW	25.000	29.00	725	80.56		
2.811	3.513	ROUTE WW	3706.560	26.000	96371		10707.84	MILL/FILL ALONG CONCRETE WIDENING
3.513	3.518	ROUTE WW	25.000	26.000	650	72.22		
9.810	9.815	ROUTE WW	25.000	26.000	650	72.22		END AT ROUTE J
2.258		ROUTE WW	10.000	26.000	1239.68	28.89		CEDAR GROVE BLVD
4.019		ROUTE WW	10.000	25.000	2240.39	27.78		OLIVET RD - LT
4.019		ROUTE WW	10.000	22.000	1400.1	24.44		OLIVET RD - RT
4.650		ROUTE WW	10.000	26.000	652.58	28.89		BLACKTHORNE LN
5.599		ROUTE WW	10.000	26.000	1071.62	28.89		RANGELINE LT
5.599		ROUTE WW	10.000	26.000	1461.38	28.89		RANGELINE RT
6.640		ROUTE WW	10.000	22.000	836.31	24.44		MONTROSE AVE
8.840		ROUTE WW	10.000	22.000	2960.43	24.44		CO RD 259
9.061		ROUTE WW	10.000	24.000	3052.78	26.67		CO RD 350
SUBTOTAL - ROUTE WW						1285.00	24176.75	
TOTAL						1829.33	24176.75	
USE						1829	24177	



DATE PREPARED
7/22/2024

ROUTE N&WW DISTRICT CD
STATE MO SHEET NO. 3

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

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)

PERMANENT PAVEMENT MARKING

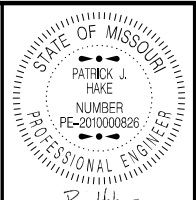
APPROX. LOG MILE	APPROX. LOG MILE	LOCATION	LENGTH FT	WATERBORNE PAINT, TYPE P BEADS			PREFORMED THERMOPLASTIC							REMARKS	
				8" WHITE LF	4 IN YELLOW LF	4 IN WHITE LF	24 IN WHITE STOP BAR LF	LT/RT ARROWS EA	STRAIGHT ARROWS EA	STRAIGHT/LT ARROWS EA	24 IN YELLOW HASH MARKS LF	24 IN WHITE LF	6 IN WHITE CROSSWALK LF		30 IN WHITE MID BLOCK EA
ROUTE N															
0.000	5.790	ROUTE N	30571.20		61142.40	61142.40									
		SUBTOTAL ROUTE N		0	61142.4	61142.4	0	0	0	0	0	0	0	0	
ROUTE WW															
0.857	1.128	ROUTE WW	1430.88		2861.76	2861.76									
1.128	1.219	ROUTE WW	480.48		1921.92	960.96		1			103.00			1-RT	
1.219	1.238	ROUTE WW	100.32		200.64	300.96		1						1-LT	
1.238	1.308	ROUTE WW	369.60		1478.40	739.20				55.00					
1.308	1.323	ROUTE WW	79.20		158.40	158.40									
1.323	1.373	ROUTE WW	264.00		1056.00	528.00				26					
1.373	1.426	ROUTE WW	279.84		559.68	839.52	12.00	2						2-LT	
1.426	1.435	ROUTE WW	47.52		95.04	95.04									
1.435	1.482	ROUTE WW	248.16		992.64	496.32				44.00					
1.482	1.567	ROUTE WW	448.80		897.60	897.60									
1.567	1.626	ROUTE WW	311.52		1246.08	623.04				55.00					
1.626	1.644	ROUTE WW	95.04		190.08	190.08									
1.644	1.680	ROUTE WW	190.08		380.16	760.32	36.00	4						2-RT, 2-LT	
1.680	1.700	ROUTE WW	105.60								132.00				
1.700	1.733	ROUTE WW	174.24		348.48	522.72	24.00	2						2-LT	
1.733	1.742	ROUTE WW	47.52		95.04	95.04									
1.742	1.856	ROUTE WW	601.92		2407.68	1203.84				98.00					
1.853	2.453	ROUTE WW	3168.00		6336.00	6336.00				24.00					
2.453	2.492	ROUTE WW	205.92		411.84	411.84						10	13	WEST LEG ROLLING HILLS ROUNDABOUT	
2.492	2.531	ROUTE WW	205.92	260.75	405.00	426.75		2	2				52	2-LT, ROLLING HILLS ROUNDABOUT	
2.531	2.570	ROUTE WW	205.92		411.84	411.84					14.00		10	13	EAST LEG ROLLING HILLS ROUNDABOUT
2.570	2.811	ROUTE WW	1272.48		2544.96	2544.96				21.00					
2.811	2.923	ROUTE WW	591.36		2365.44	1182.72				85.00					
2.923	2.955	ROUTE WW	168.96		337.92	506.88		2						2-LT	
2.955	3.285	ROUTE WW	1742.40		4356.00	3484.80		6						6-LT	
3.285	3.340	ROUTE WW	290.40		580.80	871.20		2						2-LT	
3.340	3.449	ROUTE WW	575.52		2302.08	1151.04				109.00					
3.449	9.815	ROUTE WW	33612.48		67224.96	67224.96									
		SUBTOTAL ROUTE WW		260.75	102166.44	95825.79	72	22	2	2	620	14	132	20	78
		TOTAL		260.75	163308.84	156968.19	72	22	2	2	620	14	132	20	78
		USE		261	163309	156968	72	22	2	2	620	14	132	20	78

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

GUARDRAIL

APPROX. LOG MILE	APPROX. LOG MILE	LOCATION	LENGTH MI	LENGTH LF	MGS GUARDRAIL FT	BRIDGE ATTACHMENT REG/NO CURB EA	CET MASH EA	SHAPING SLOPES CL 3 STA	REMARKS
5.319	5.438	ROUTE N LT	0.119	680.00	587.50		2	6.88	
2.417	2.477	ROUTE WW - LT		304.00	212.50		2	3.13	WEST OF ROLLING HILLS ROUNDABOUT
2.417	2.457	ROUTE WW - RT		245.00	200.00		2	3.00	ADD LENGTH ON WEST END OF EXIST GR
7.957	7.995	ROUTE WW RT - CEDAR CR		200.00	112.5	1	1	2.13	BRIDGE A4612
7.969	7.995	ROUTE WW LT - CEDAR CR		150.00	62.5	1	1	1.63	BRIDGE A4612
8.033	8.059	ROUTE WW RT - CEDAR CR		135.00	50.0	1	1	1.50	BRIDGE A4612
8.033	8.071	ROUTE WW LT - CEDAR CR		200.00	112.5	1	1	2.13	BRIDGE A4612
		TOTAL			1337.50	4.00	10.00	20.40	
		USE			1337.5	4.0	10.0	20.4	

**SUMMARY OF QUANTITIES
SHEET 4 OF 5**



DATE PREPARED
7/22/2024

ROUTE STATE
N&W MO
DISTRICT SHEET NO.
CD 3

COUNTY
BOONE / CALLAWAY


JOB NO.
JCD0050

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)

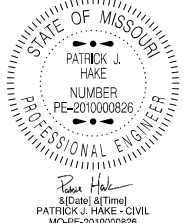
TEMPORARY TRAFFIC CONTROL						
SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	SIGN NUM.	DESCRIPTION
CONSTRUCTION SIGNS						
WO8-11	48X48	16	32	512	36	UNEVEN LANES
WO8-12	48X48	16	16	256	35	NO CENTER LINE
WO20-1	48X48	16	14	224	2	ROAD WORK AHEAD
WO20-4	48X48	16	6	96	7	ONE LANE ROAD AHEAD
WO20-7a	48X48	16	14	224	8	FLAGGER (SYMBOL, WITH FLAGS)
WO3-4	48X48	16	10	160	11	BE PREPARED TO STOP
GO22-1	21X15	2.19	4	8.76		WET PAINT (ARROW PIVOTS)
GO20-1	60X24	10	4	40	1	ROAD WORK NEXT X MILES 2@5 2@9
GO20-2	48X24	8	4	32	26	END ROAD WORK
GO20-4	36X18	4.5	1	4.5	53	PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75	1	8.75	58	PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.5	10	15	58	PILOT CAR IN USE WAIT & FOLLOW
CONST-8	48X36	12	4	48	59	WORK ZONE NO PHONE ZONE
CONSTRUCTION SIGNS TOTAL				1629.01		
ADDITIONAL TRAFFIC CONTROL ITEMS						
		616-1025	232	CHANNELIZERS (TRIM-LINE)		
		619-1098A	2 *	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE CONTRACTOR FURNISHED, CONTRACTOR RETAINED		
TEMPORARY TRAFFIC CONTROL TOTAL				1 LUMP SUM		

* NOT INCLUDED IN LUMP SUM TRAFFIC CONTROL

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

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

BITUMINOUS SHOULDER RUMBLE STRIPS						
LOG MILE	LOG MILE	LOCATION	LENGTH MI	LENGTH LF	BITUMINOUS SHOULDER RUMBLE STRIPS STA	REMARKS
2.570	9.45	ROUTE WW - LT	6.880	36326.40	363.26	ROLLING HILLS ROUNDABOUT TO MILLERBURG
		EXCEPTIONS - LT			-115.11	EXCEPTIONS FOR ENTRANCES, SIDE ROADS
2.570	9.45	ROUTE WW - RT	6.880	36326.40	363.26	ROLLING HILLS ROUNDABOUT TO MILLERBURG
		EXCEPTIONS - RT			-115.92	EXCEPTIONS FOR ENTRANCES, SIDE ROADS
				TOTAL	495.49	
				USE	495.5	



DATE PREPARED
7/22/2024

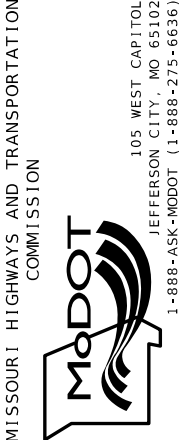
ROUTE STATE
N&W MO
DISTRICT SHEET NO.
CD 3

COUNTY
BOONE / CALLAWAY
JOB NO.
JCD0050
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

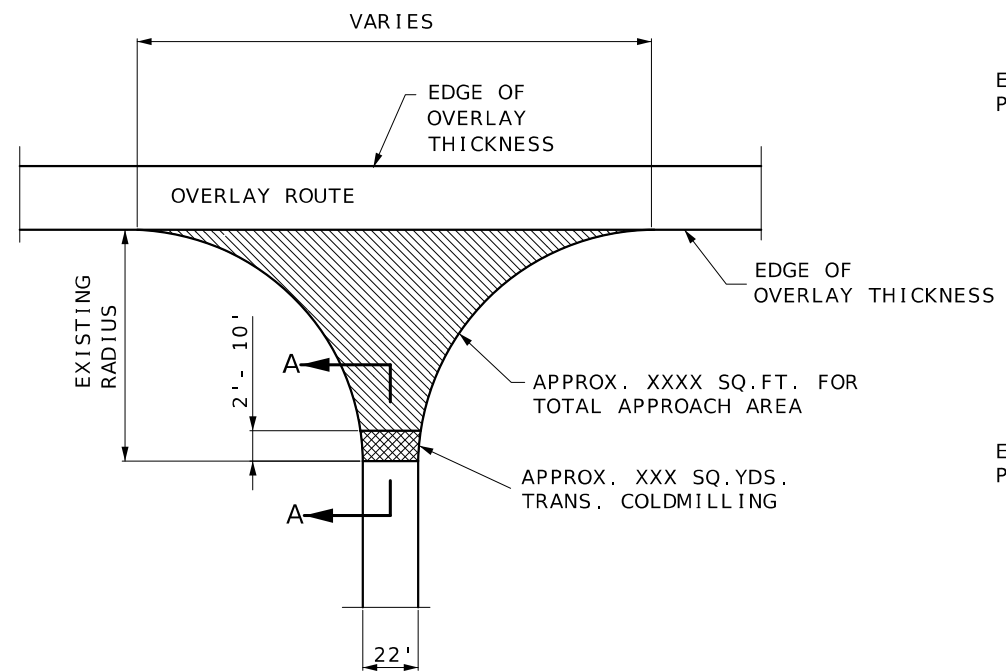




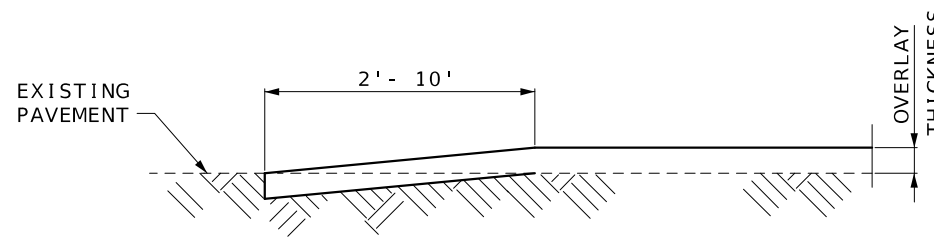
DATE PREPARED 7/22/2024	
ROUTE N&W	STATE MO
DISTRICT CD	SHEET NO. 4
COUNTY BOONE / CALLAWAY	
JOB NO. JCD0050	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

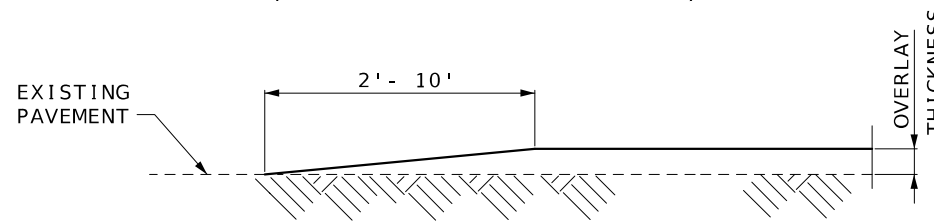
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



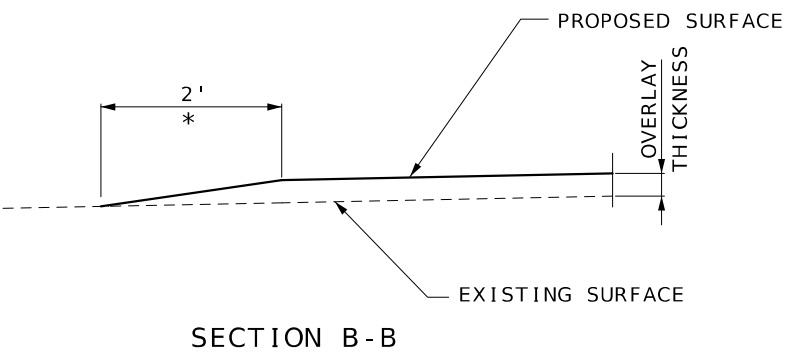
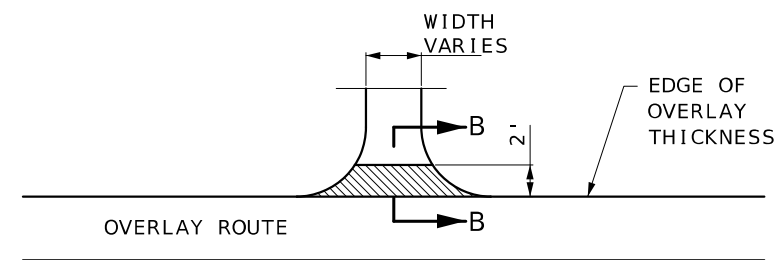
**TYPICAL STATE ROUTE JUNCTION
PAVED COUNTY ROADS & CITY STREETS**



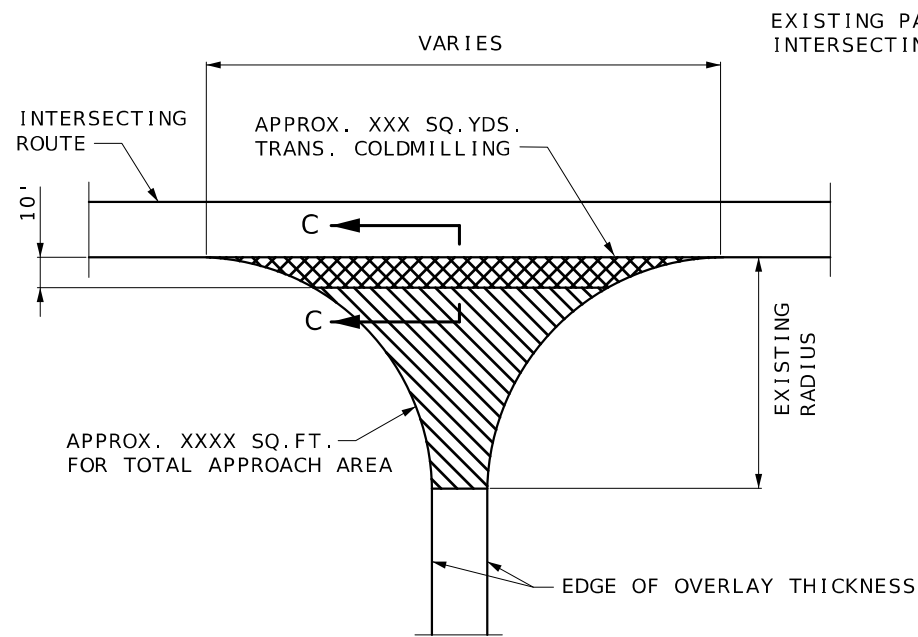
**SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(COLDMILLED TRANSITION)**



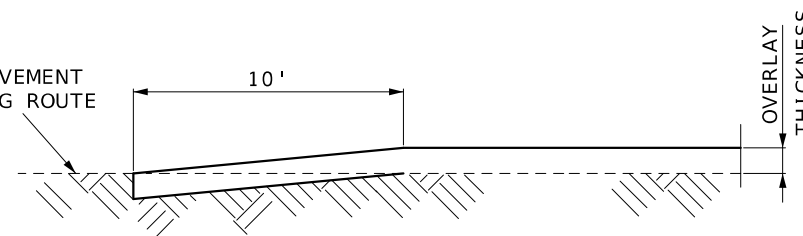
**ALTERNATE SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(TAPERED TRANSITION)**



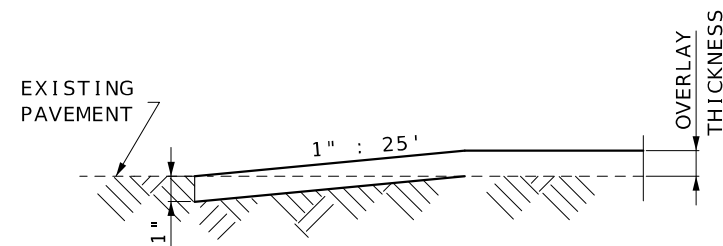
**SECTION B-B
TYPICAL ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)
* TAPER AT 1:1 FOR FIELD ENTRANCE**



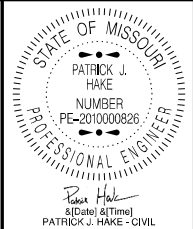
**BEGINNING AND END OF PROJECT
AT INTERSECTING ROUTE**



**SECTION C-C
DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AT INTERSECTING ROUTE**



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



DATE PREPARED
7/22/2024

ROUTE	STATE
N&WW	MO

DISTRICT	SHEET NO.
CD	5

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

BRIDGE NO.

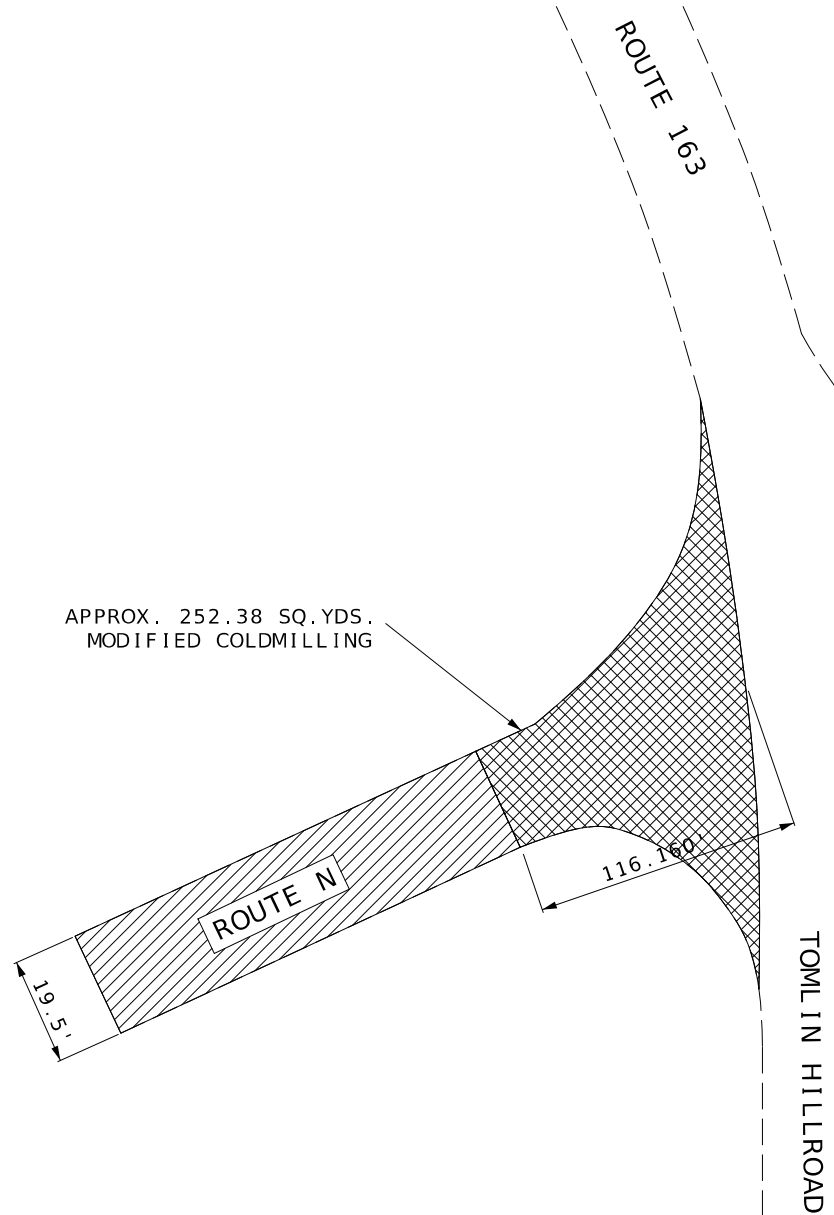
DATE	DESCRIPTION

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

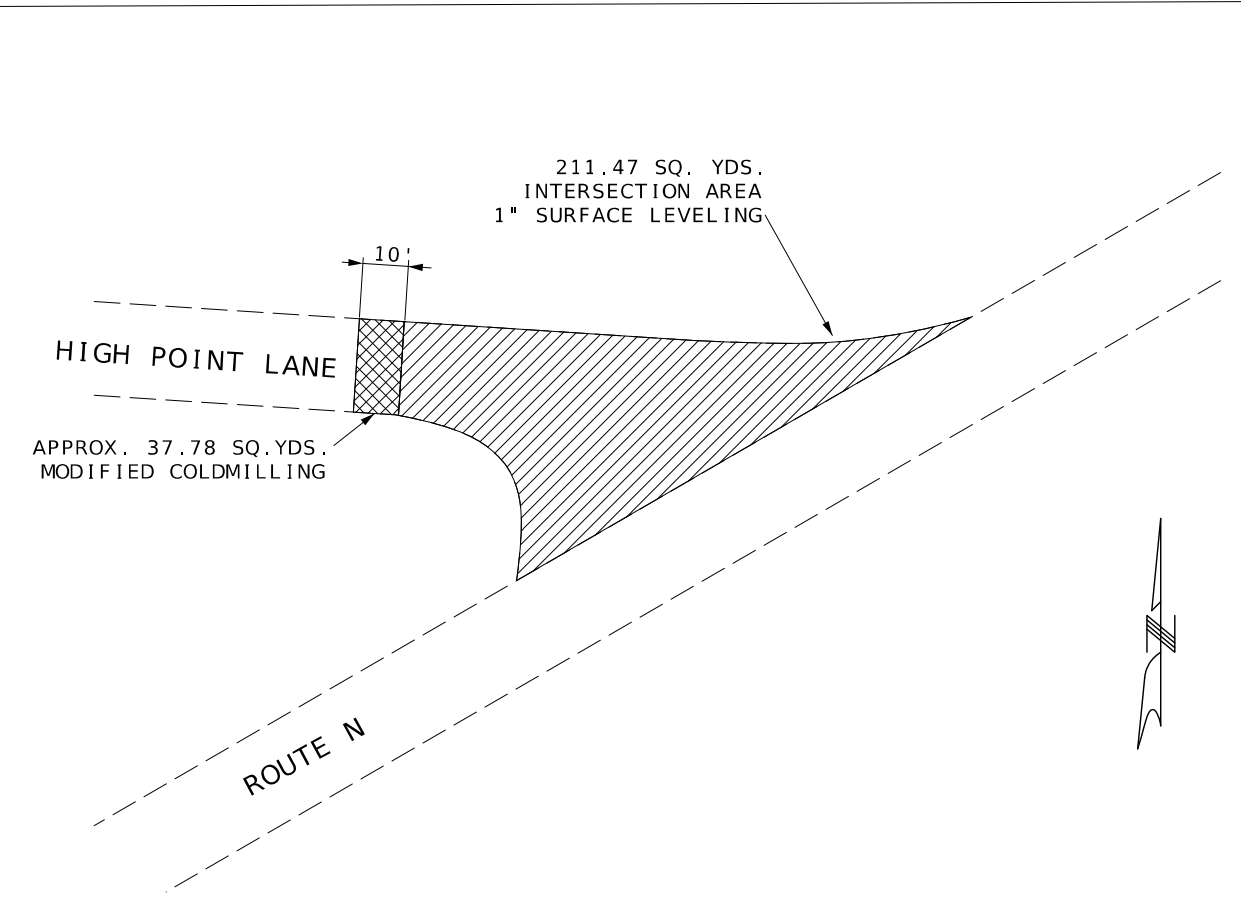
APPROX. 252.38 SQ.YDS.
MODIFIED COLDMILLING



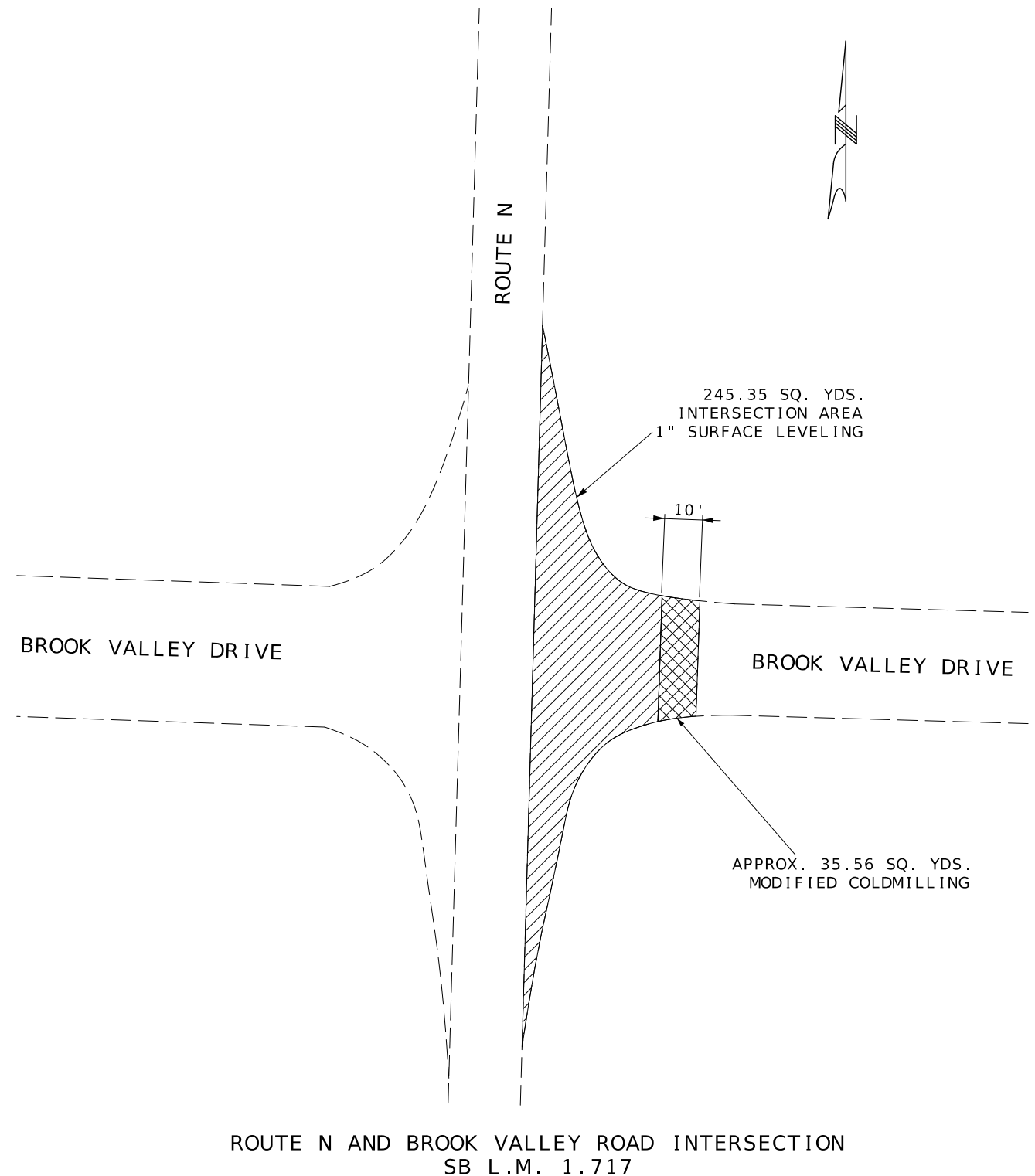
BEGIN PROJECT - ROUTE N
SB L.M. 0.000

	1" SURFACE LEVELING
	MODIFIED COLDMILLING & 1" SURFACE LEVELING
	COLDMILL 1" & 1" SURFACE LEVELING

NOT TO SCALE



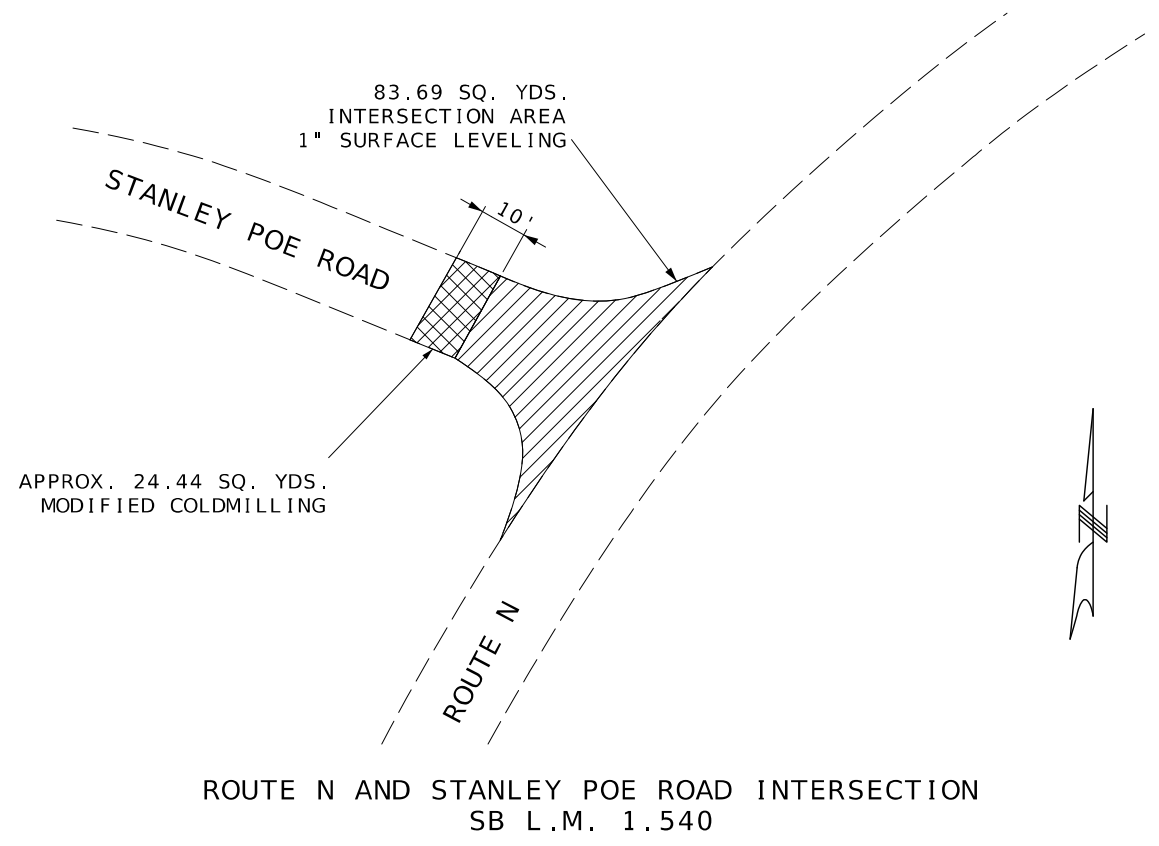
ROUTE N AND HIGH POINT LANE INTERSECTION
SB L.M. 0.341



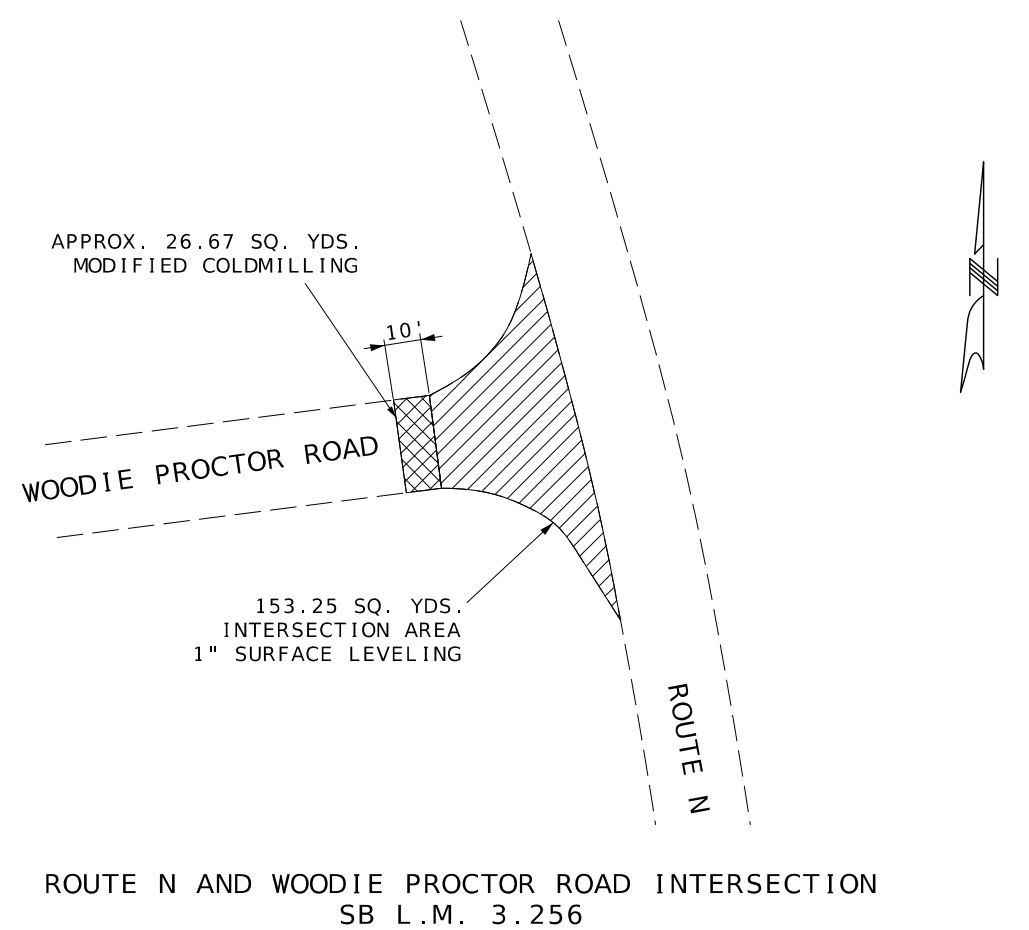
ROUTE N AND BROOK VALLEY ROAD INTERSECTION
SB L.M. 1.717

- 1" SURFACE LEVELING
- MODIFIED COLDMILLING & 1" SURFACE LEVELING
- COLDMILL 1" & 1" SURFACE LEVELING

NOT TO SCALE

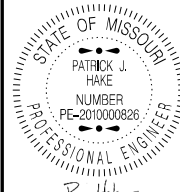


ROUTE N AND STANLEY POE ROAD INTERSECTION
SB L.M. 1.540



ROUTE N AND WOODIE PROCTOR ROAD INTERSECTION
SB L.M. 3.256

SPECIAL SHEET
3 OF 8



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-201000826
PROFESSIONAL ENGINEER

DATE PREPARED
7/22/2024

ROUTE N&WW	STATE MO
DISTRICT CD	SHEET NO. 6

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050


CONTRACT ID.

PROJECT NO.

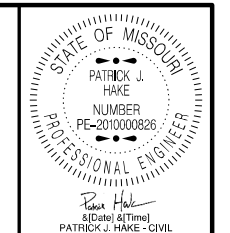
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



DATE PREPARED
7/22/2024

ROUTE N&W	STATE MO
DISTRICT CD	SHEET NO. 7

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

CONTRACT ID.

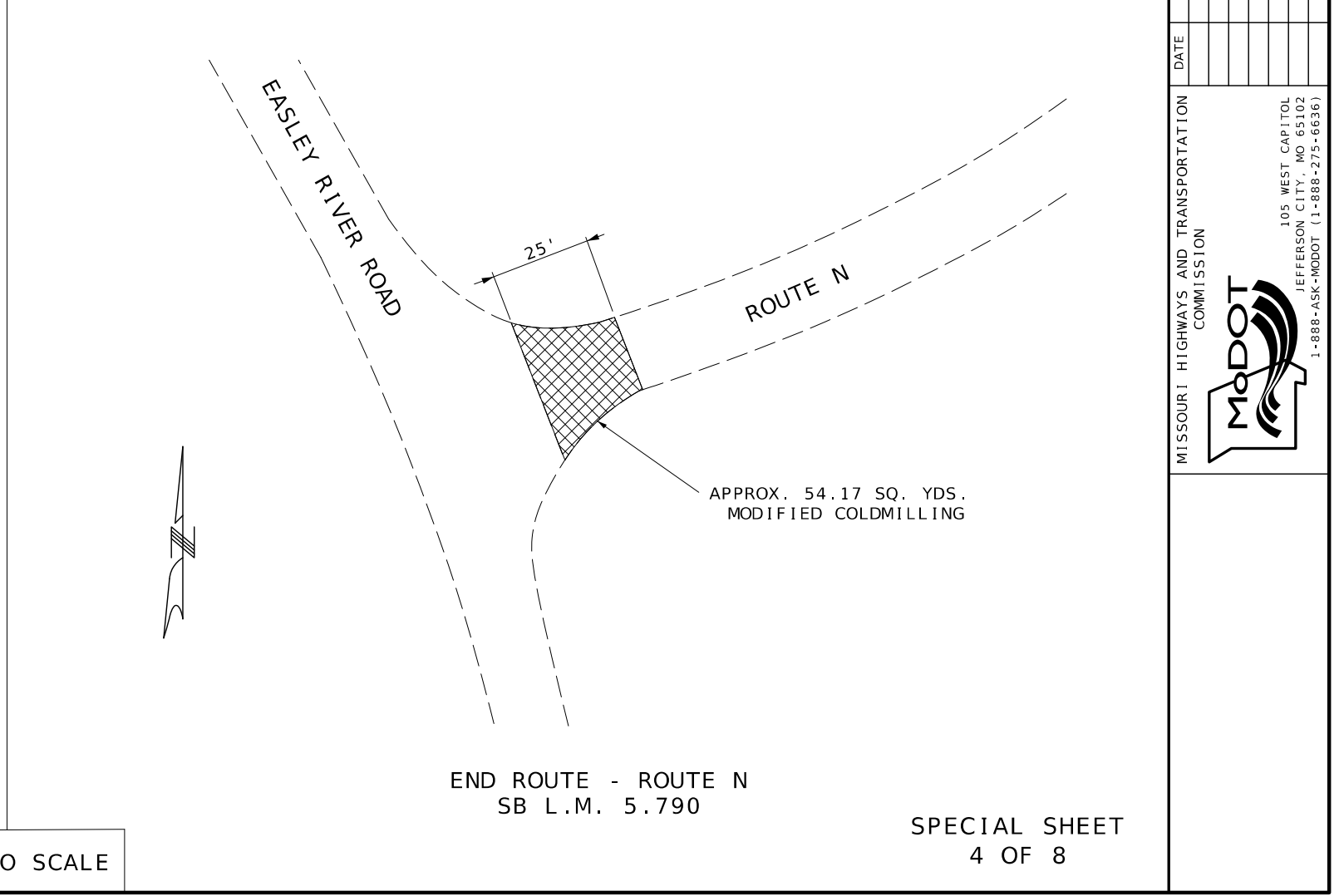
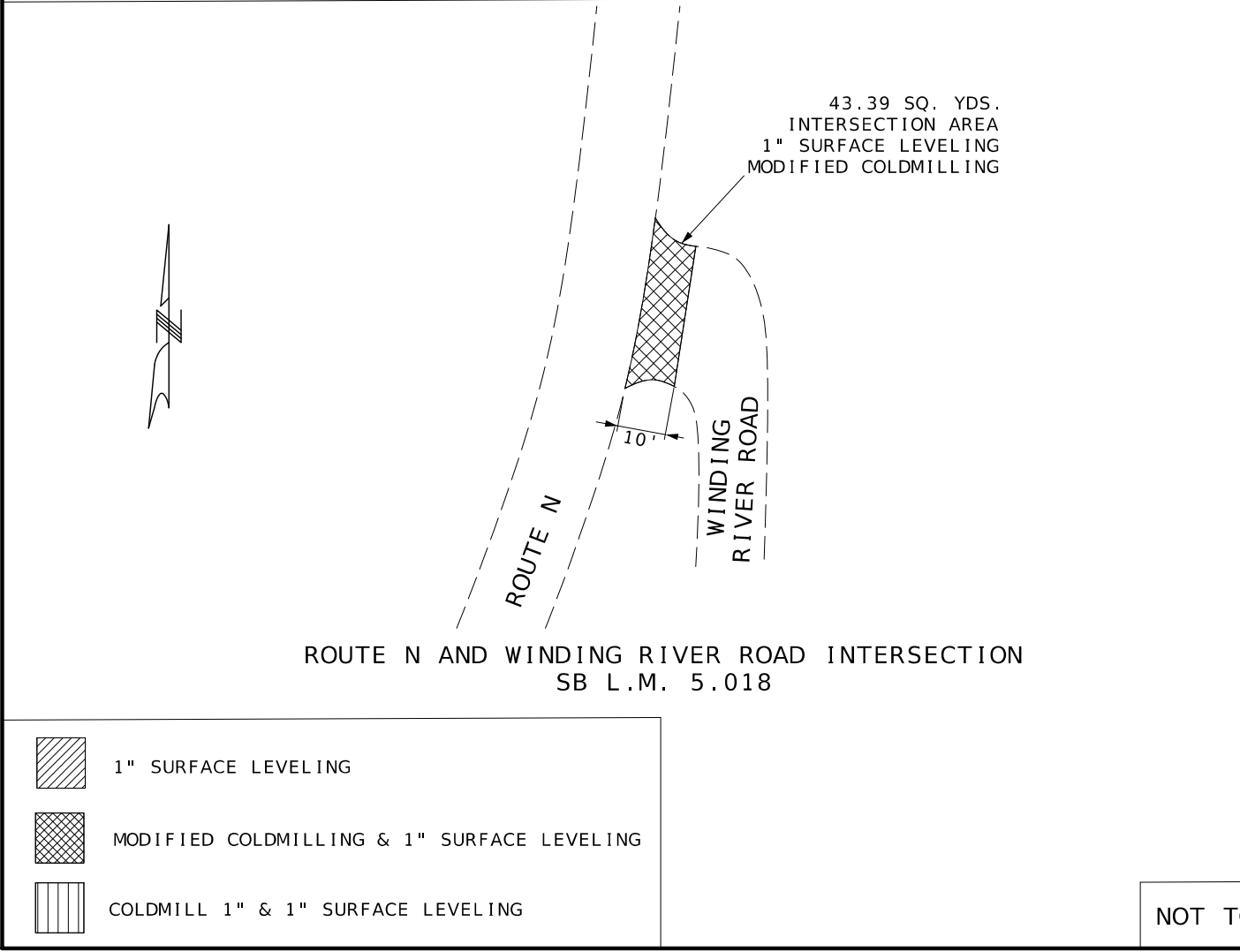
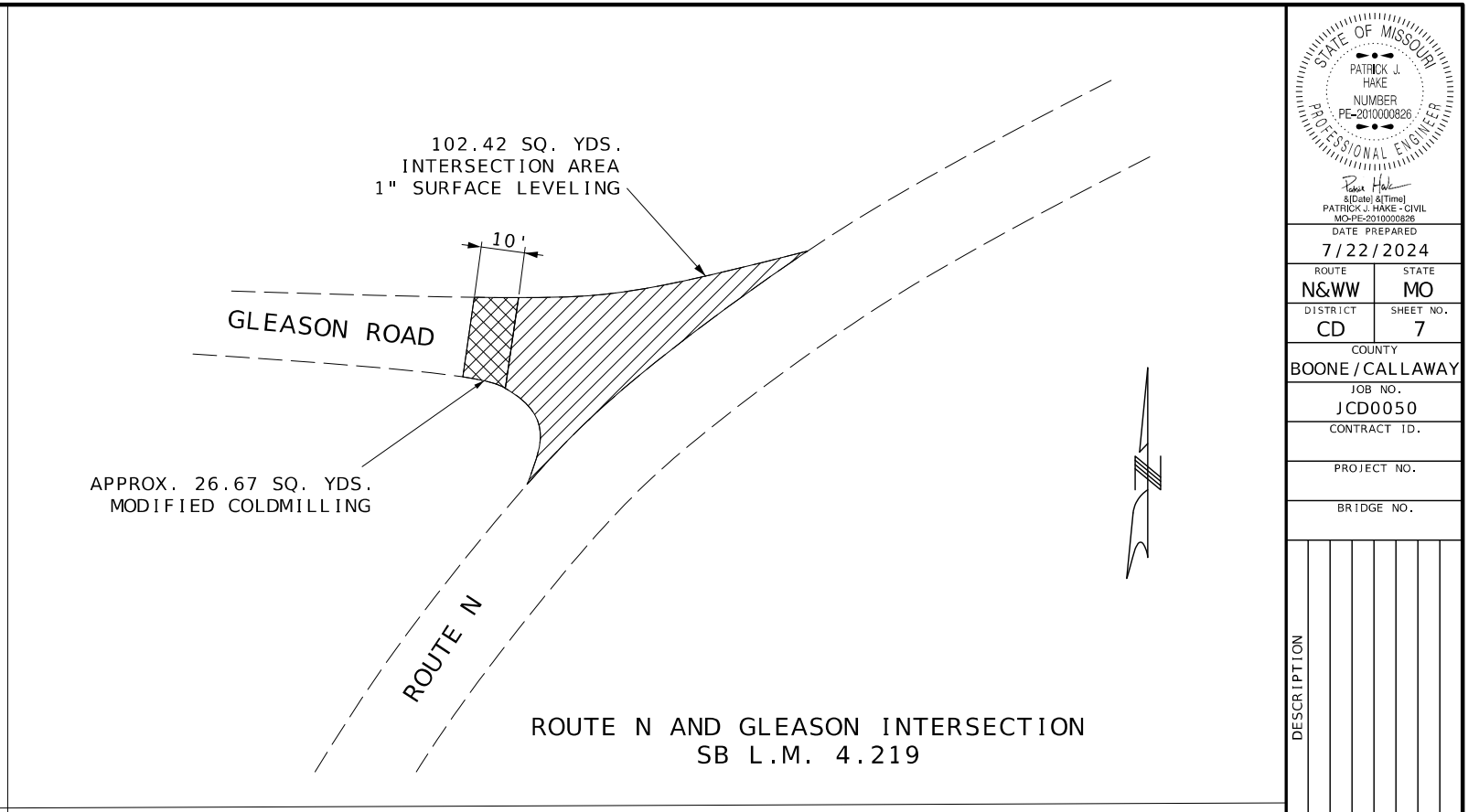
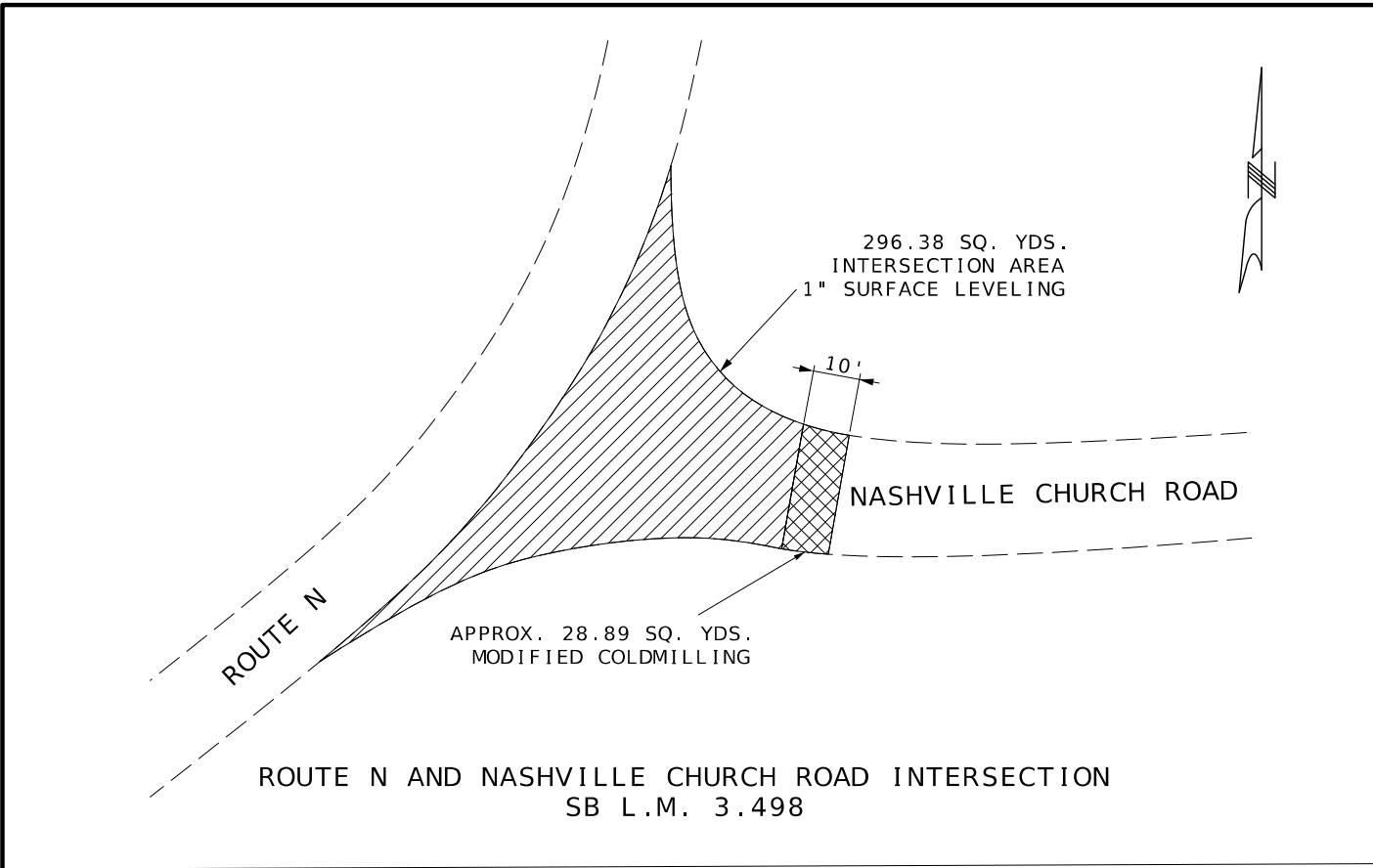
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

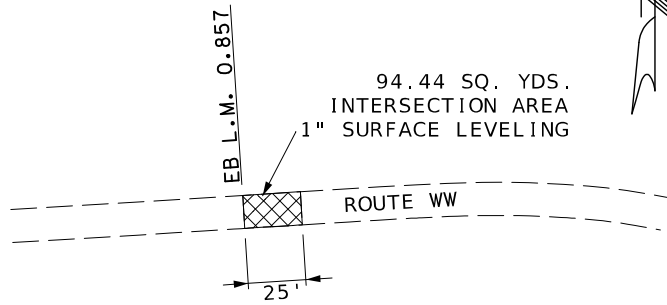
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

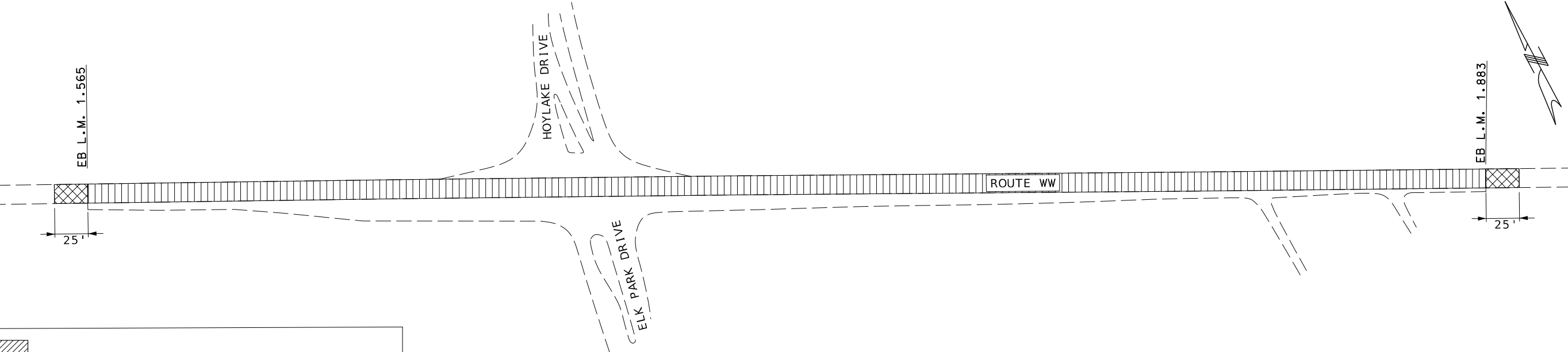
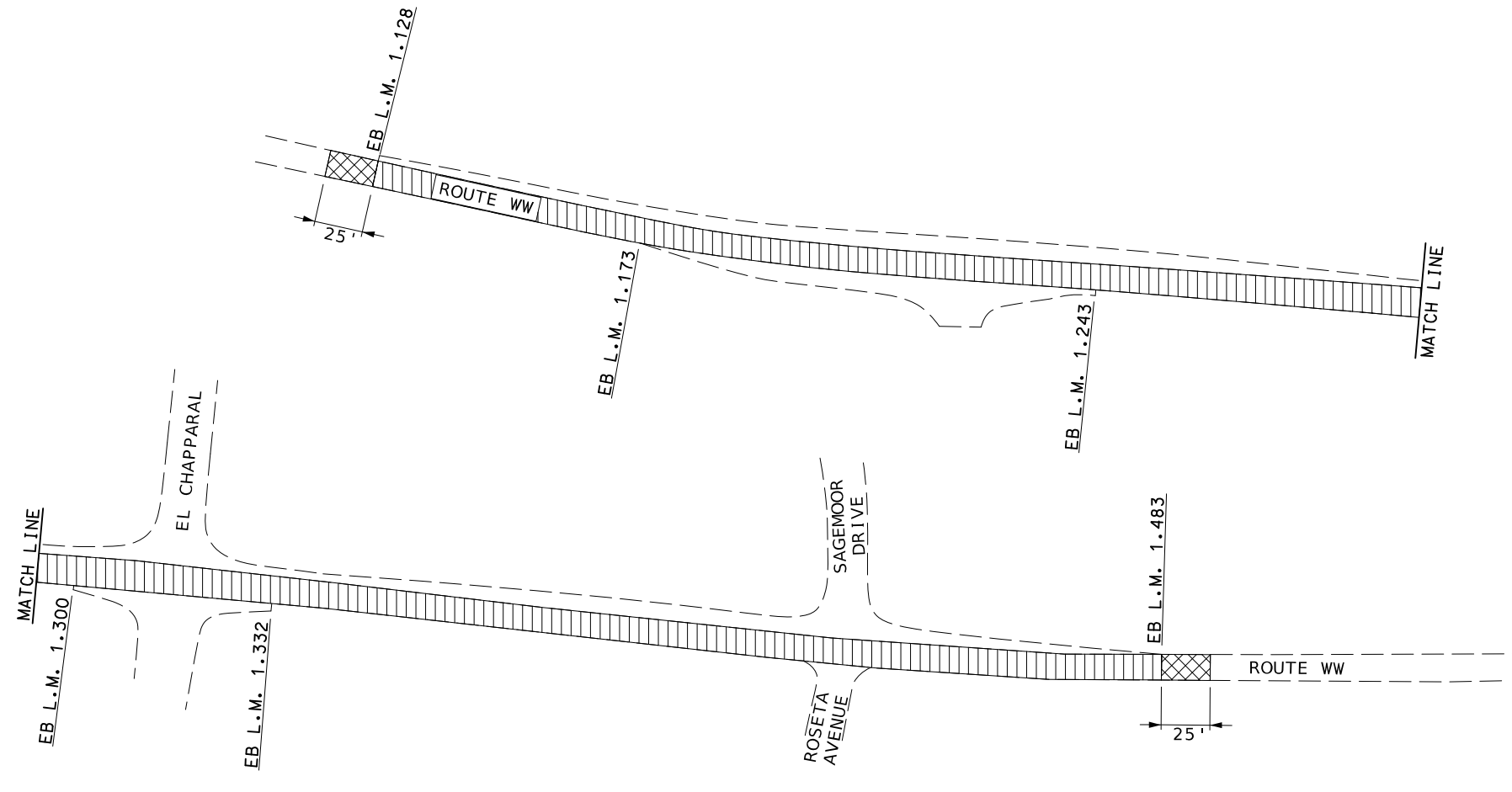





	1" SURFACE LEVELING
	MODIFIED COLDMILLING & 1" SURFACE LEVELING
	COLDMILL 1" & 1" SURFACE LEVELING

NOT TO SCALE



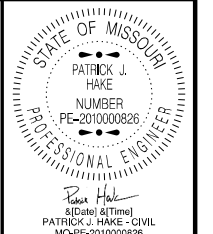
BEGIN PROJECT - ROUTE WW
EB L.M. 0.857



-  1" SURFACE LEVELING
-  MODIFIED COLDMILLING & 1" SURFACE LEVELING
-  COLDMILL 1" & 1" SURFACE LEVELING

NOT TO SCALE

SPECIAL SHEET
5 OF 8



DATE PREPARED
7/22/2024

ROUTE N&W	STATE MO
DISTRICT CD	SHEET NO. 8

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050


CONTRACT ID.

PROJECT NO.

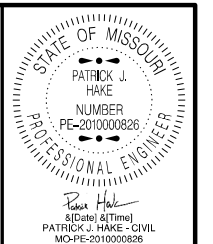
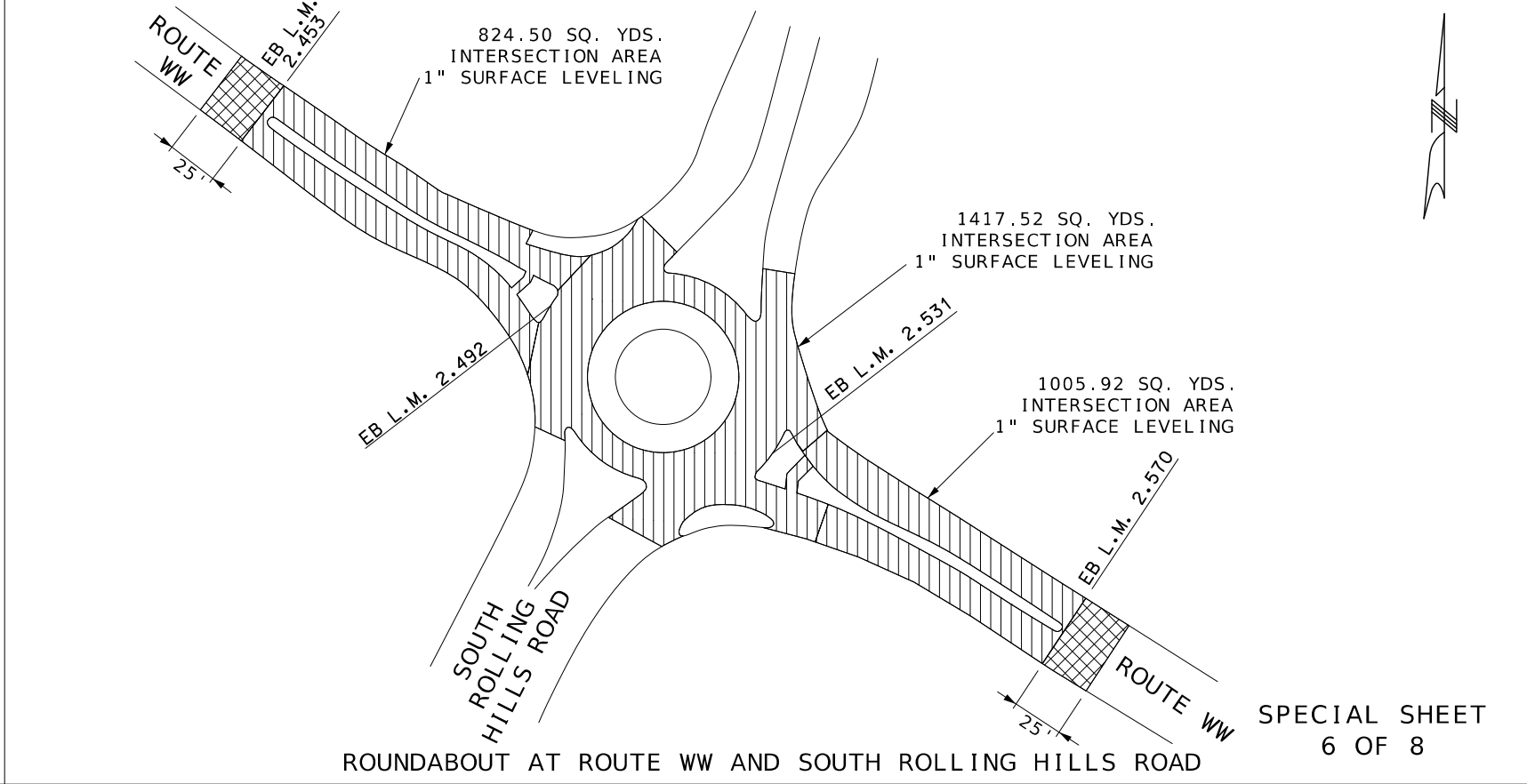
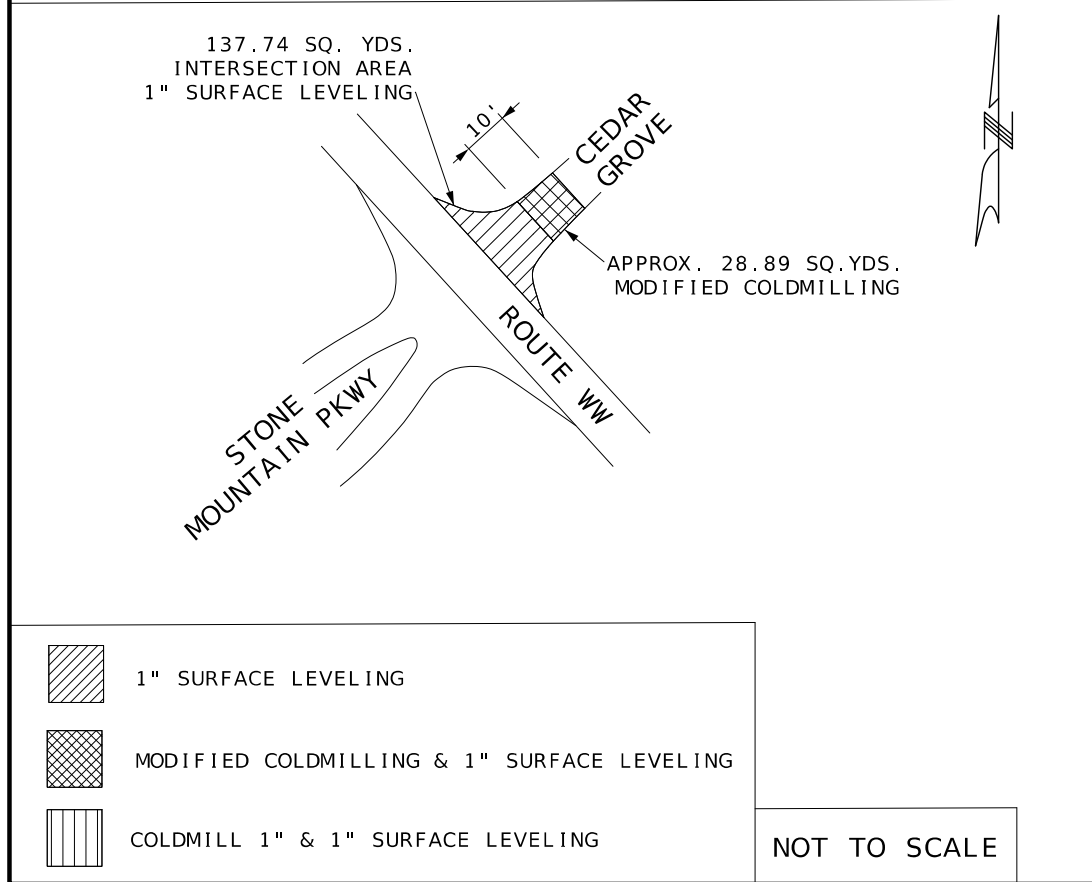
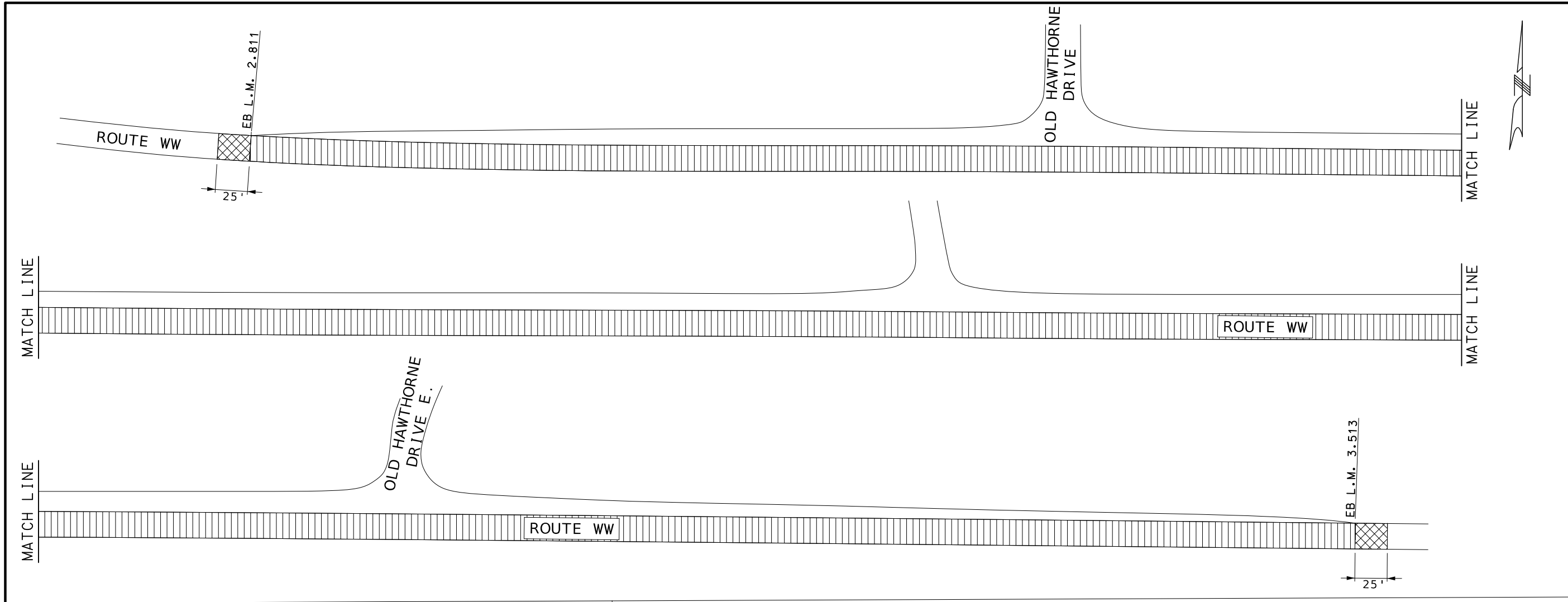
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

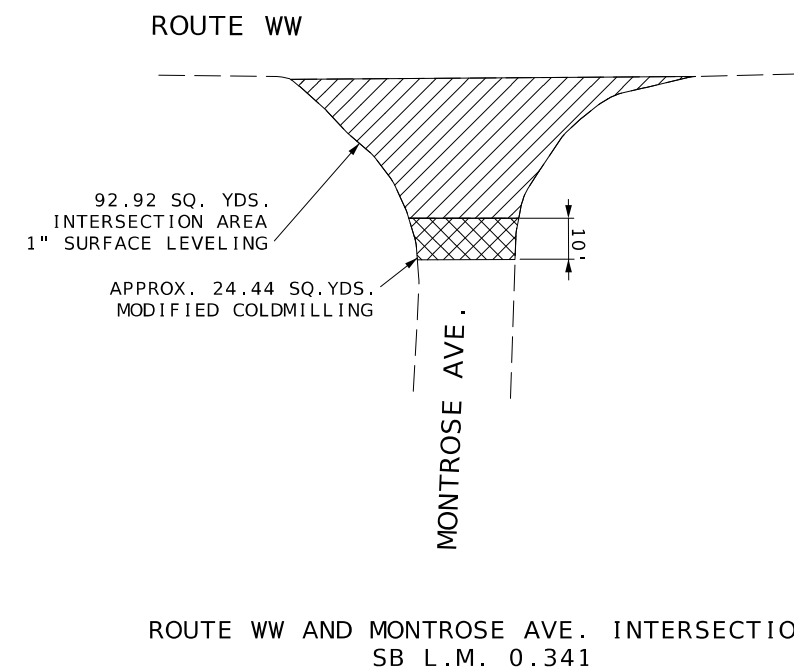
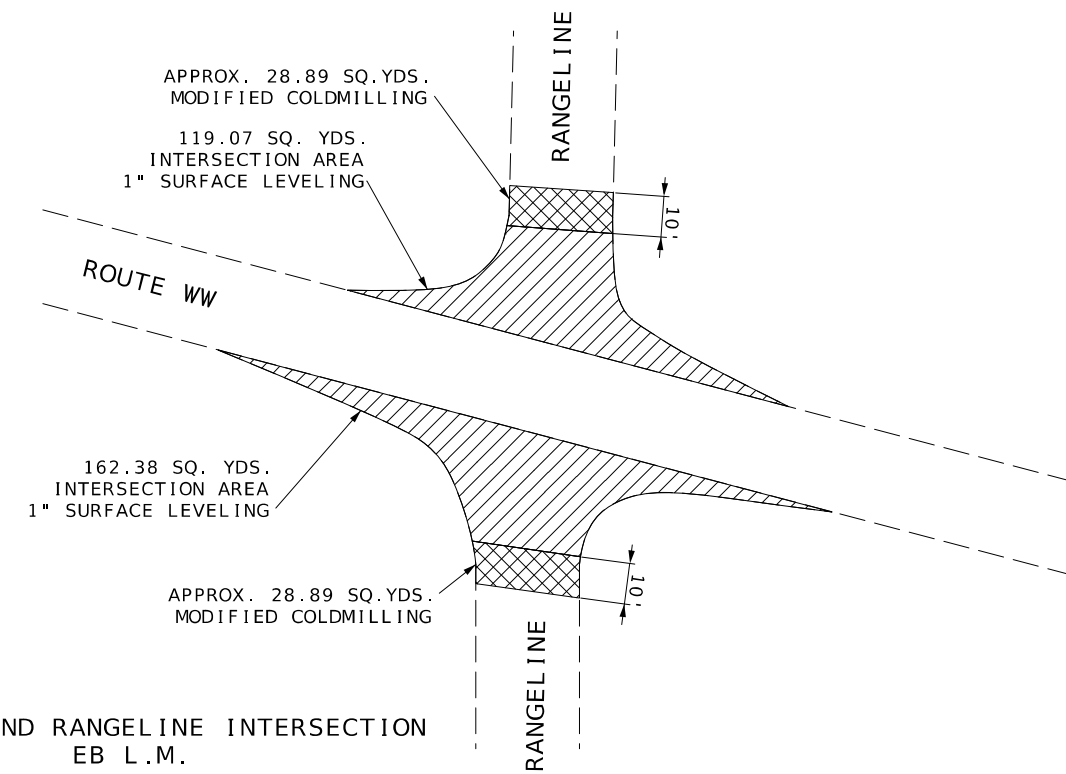
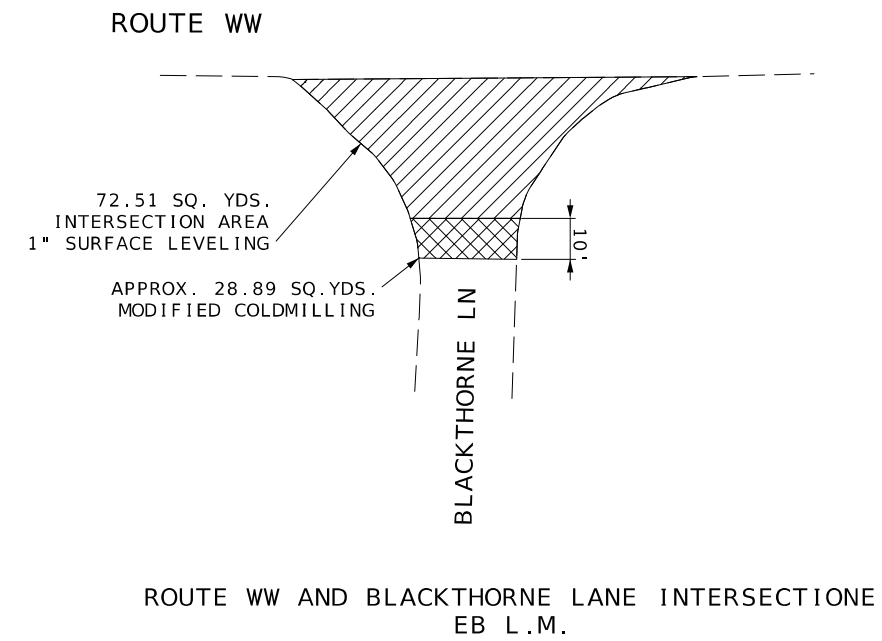
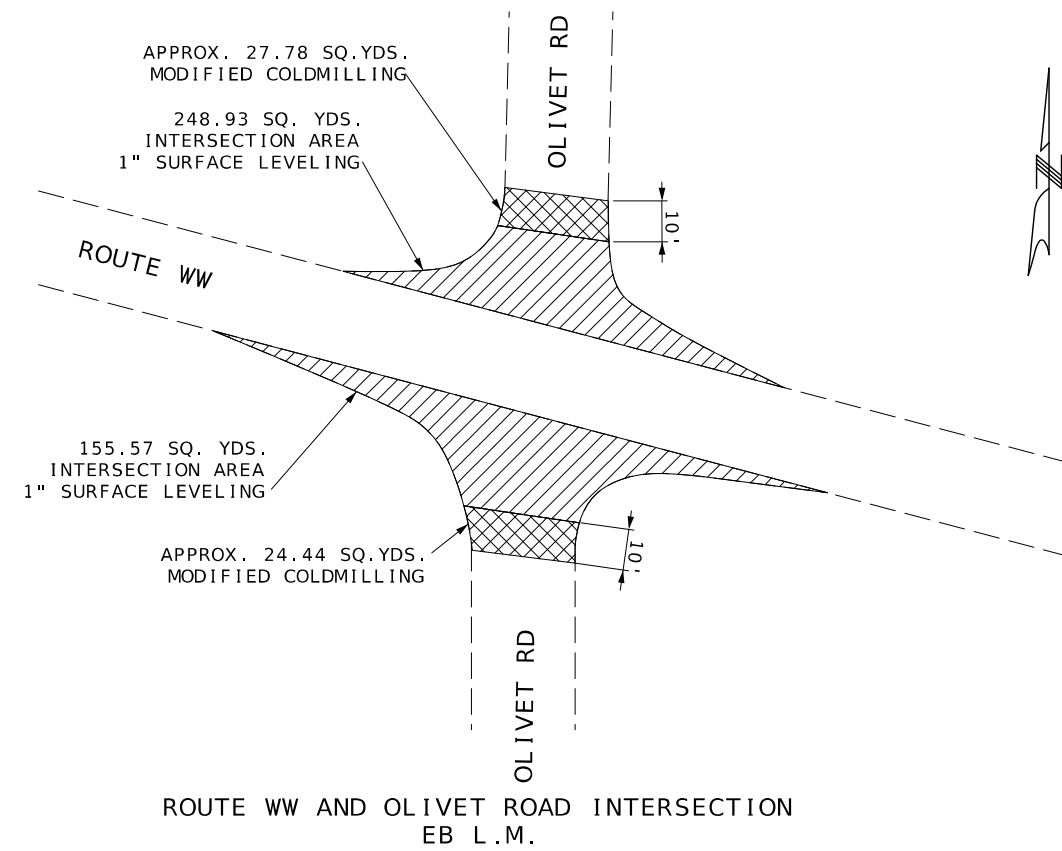





STATE OF MISSOURI
 PATRICK J. HAKE
 NUMBER
 PE-201000826
 PROFESSIONAL ENGINEER
 DATE PREPARED
 7/22/2024
 ROUTE STATE
 N&WW MO
 DISTRICT SHEET NO.
 CD 9
 COUNTY
 BOONE / CALLAWAY
 JOB NO.
 JCD0050
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DESCRIPTION	DATE

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





-  1" SURFACE LEVELING
-  MODIFIED COLDMILLING & 1" SURFACE LEVELING
-  COLDMILL 1" & 1" SURFACE LEVELING

NOT TO SCALE

SPECIAL SHEET
7 OF 8



DATE PREPARED
7/22/2024

ROUTE	STATE
N&WW	MO
DISTRICT	SHEET NO.
CD	10

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050


CONTRACT ID.

PROJECT NO.

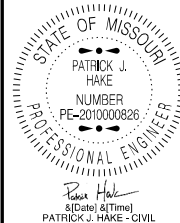
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



DATE PREPARED
7/22/2024

ROUTE STATE
N&W MO

DISTRICT SHEET NO.
CD 11

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

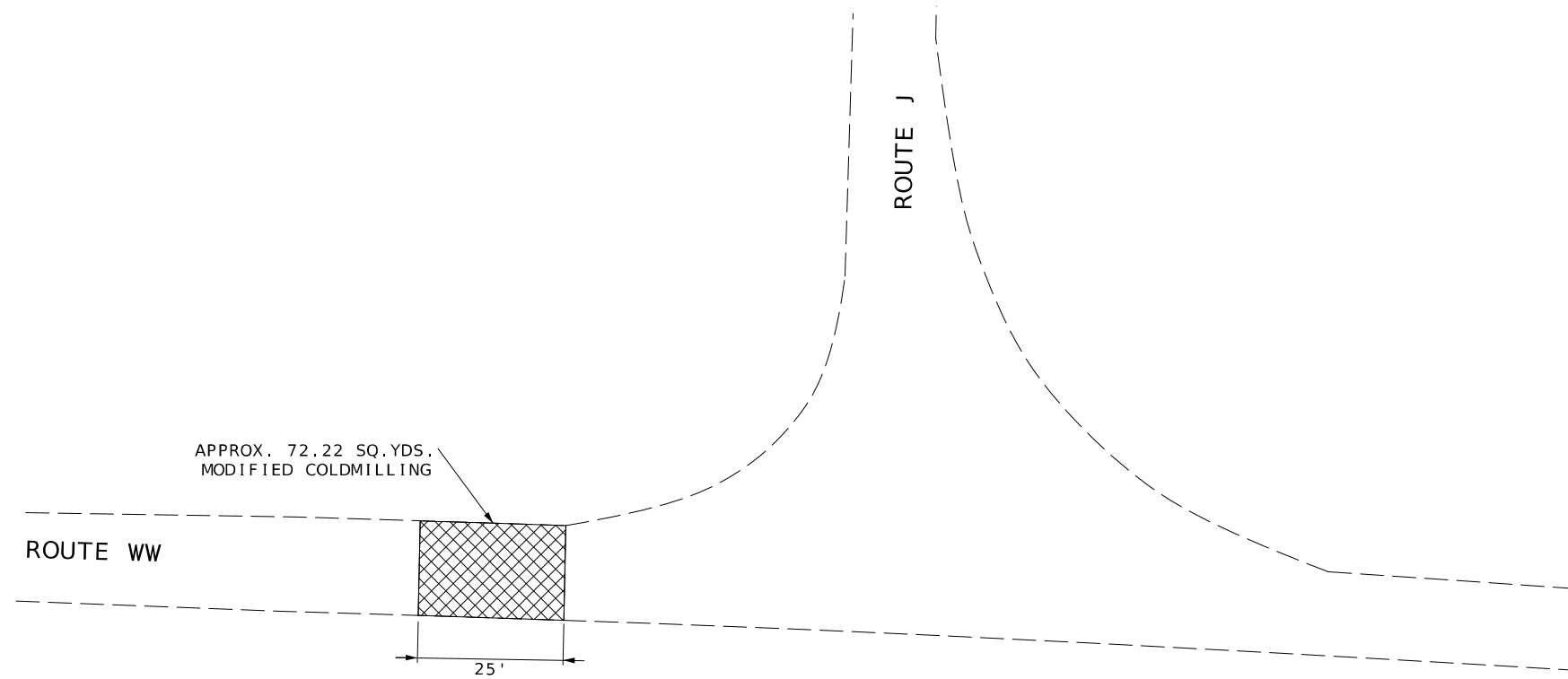
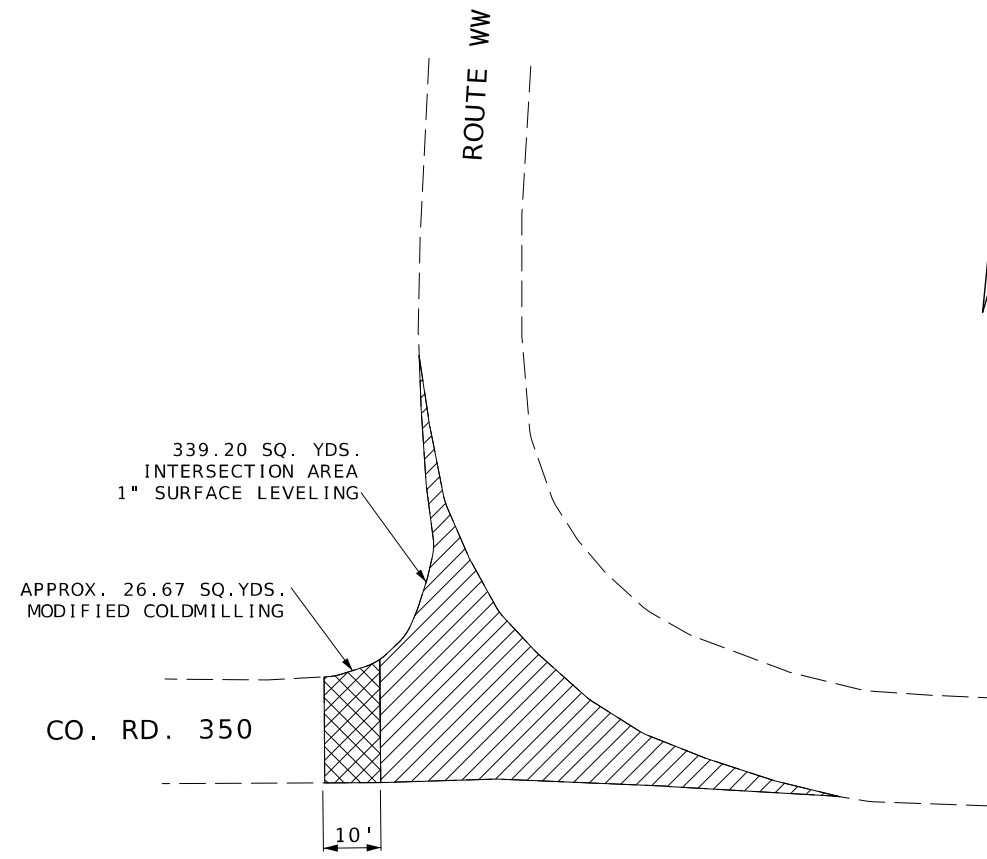
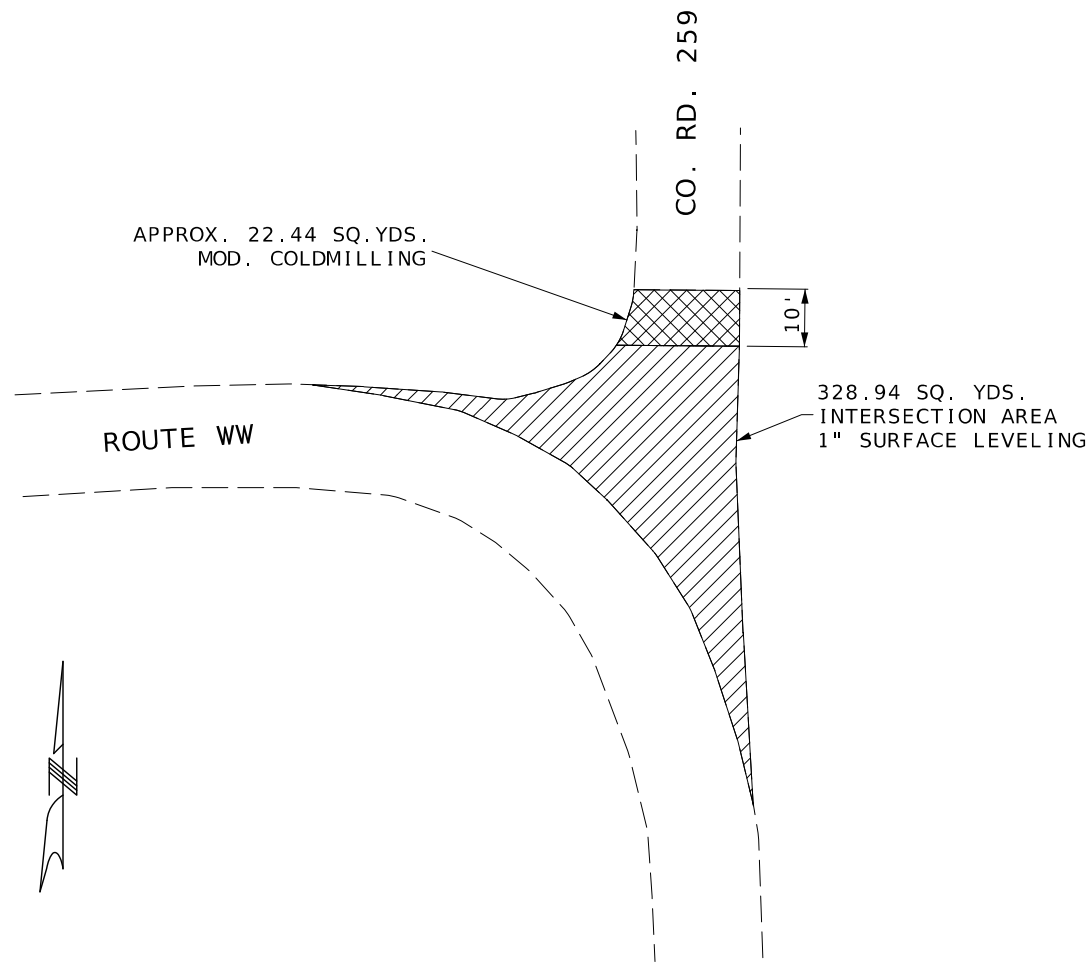
CONTRACT ID.




PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



-  1" SURFACE LEVELING
-  MODIFIED COLDMILLING & 1" SURFACE LEVELING
-  COLDMILL 1" & 1" SURFACE LEVELING

NOT TO SCALE



DATE PREPARED
7/22/2024

ROUTE N&WW	STATE MO
DISTRICT CD	SHEET NO. 12

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

CONTRACT ID.

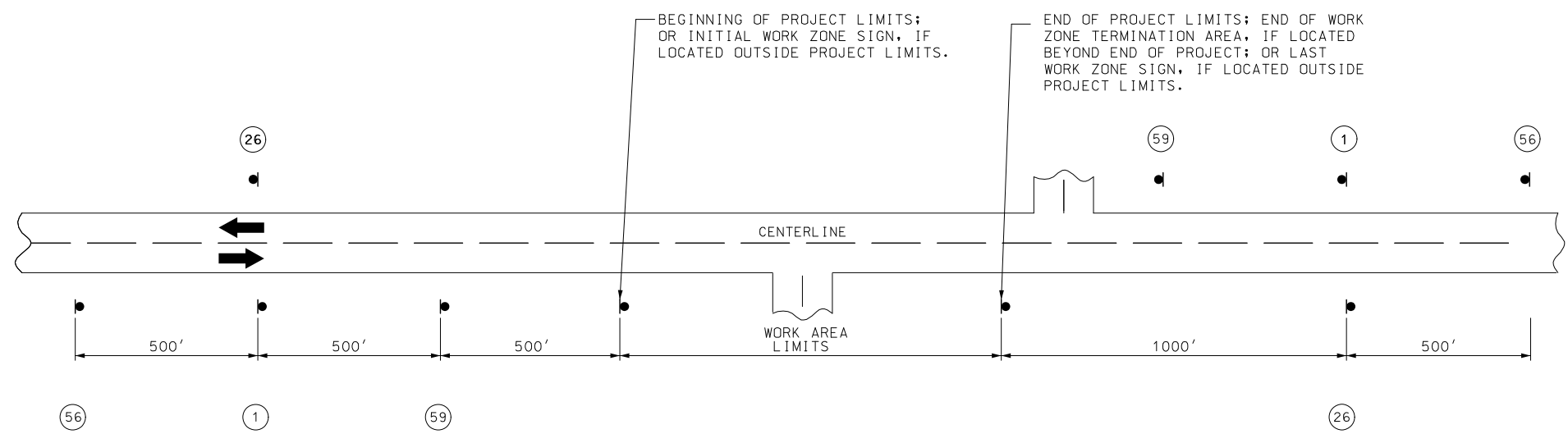
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

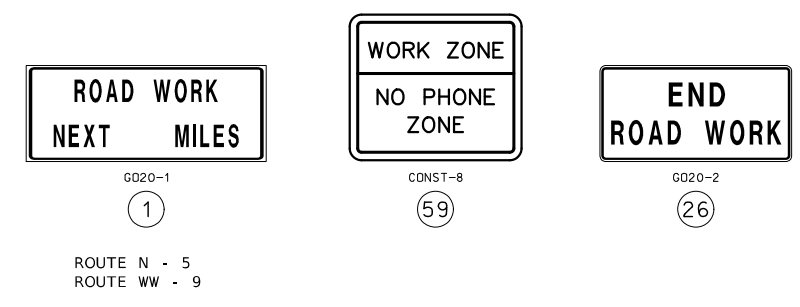


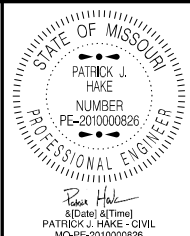
NOTES:

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.





DATE PREPARED
7/22/2024

ROUTE STATE
N&W MO

DISTRICT SHEET NO.
CD 13

COUNTY

BOONE / CALLAWAY

JOB NO.
JCD0050

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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W020-1
(2)



W020-4
(7)

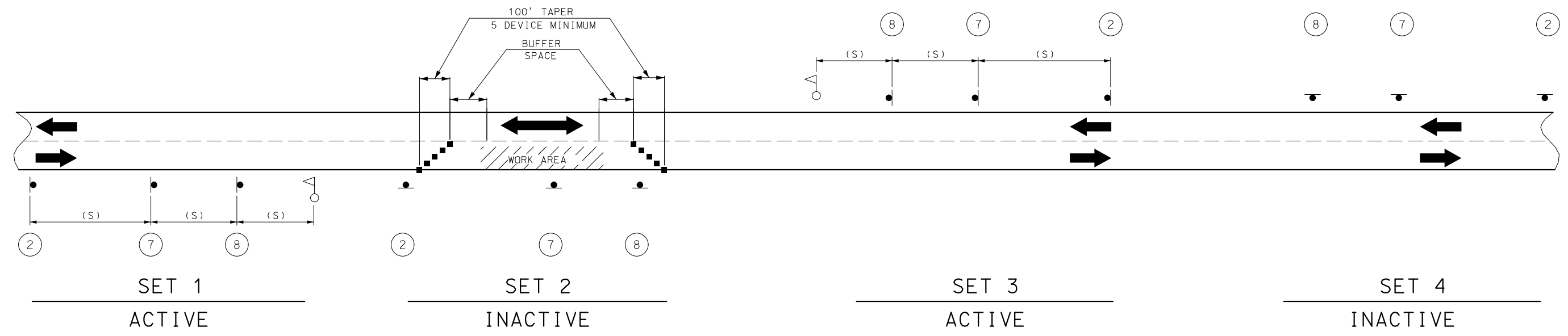


W020-7a
(8)



G020-4
(53)

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



NOTES:

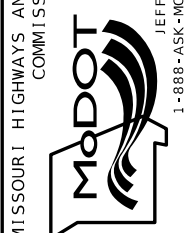
- DAYLIGHT FLAGGING OPERATIONS ONLY.
- CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING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

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.

- CHANNELIZERS
- FLAGGER

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



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.

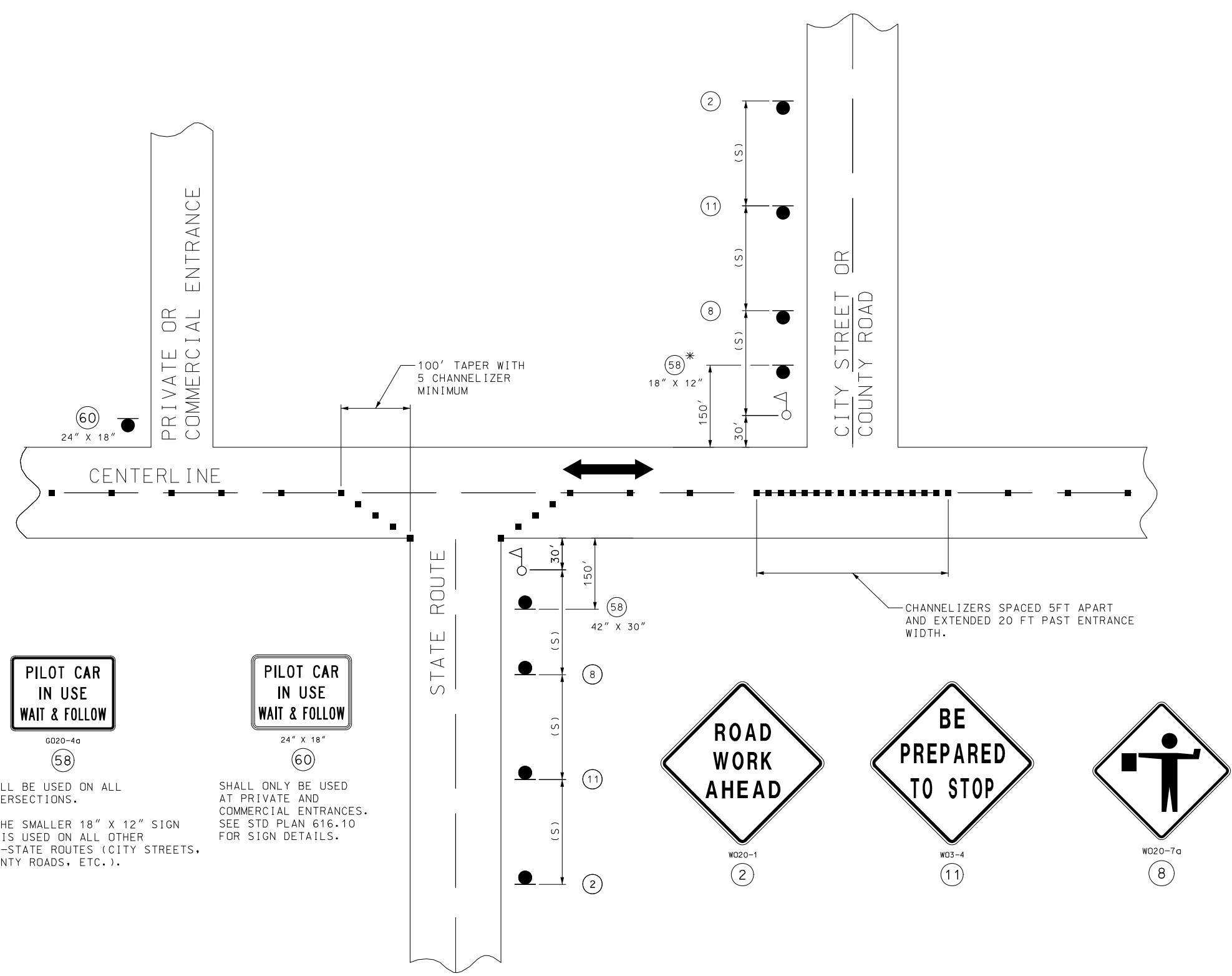
SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

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

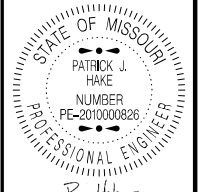
ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

- - CHANNELIZERS (AS SPECIFIED)
- ⚠ - FLAGGER

NOT TO SCALE



SIDE ROADS ENTERING WORK ZONES



DATE PREPARED
7/22/2024

ROUTE STATE
N&W MO

DISTRICT SHEET NO.
CD 14

COUNTY
BOONE/CALLAWAY

JOB NO.
JCD0050

CONTRACT ID.

PROJECT NO.

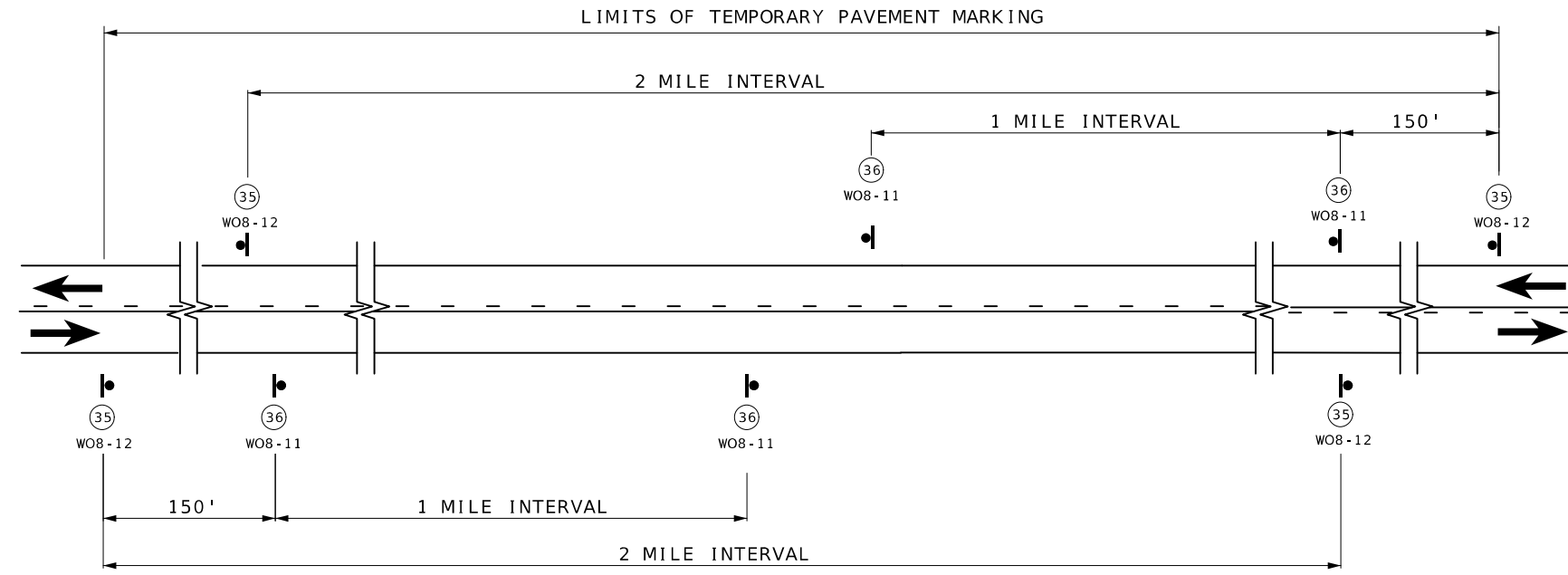
BRIDGE NO.

DATE	DESCRIPTION

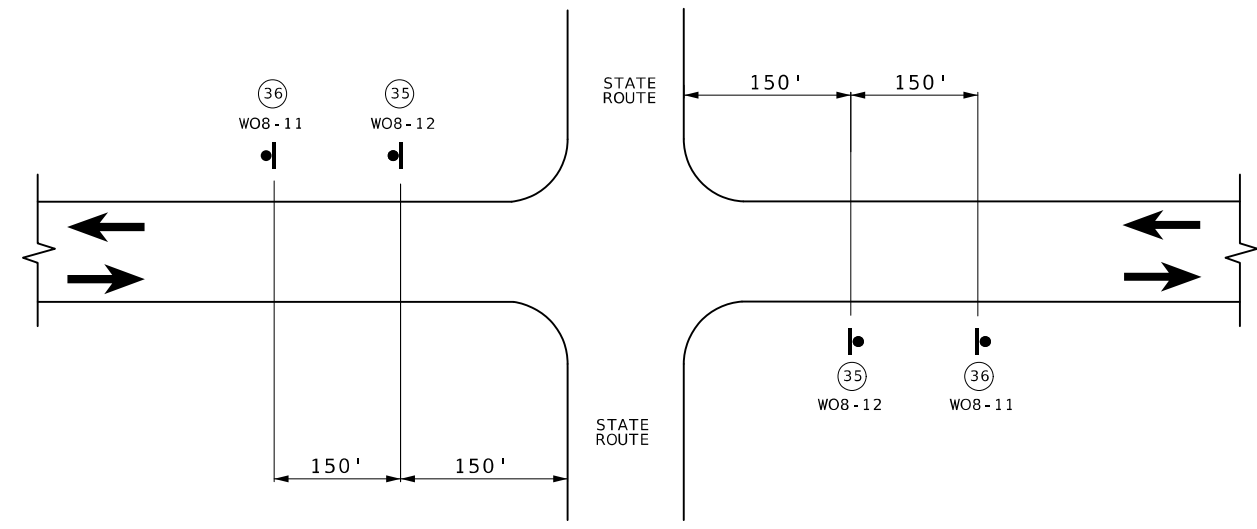
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

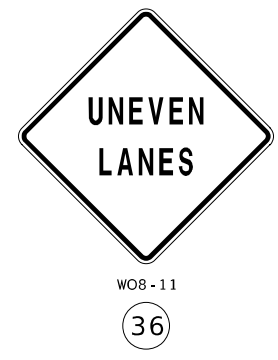
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



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.

NOT TO SCALE

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

DATE PREPARED
7/22/2024

ROUTE STATE
N&W MO
DISTRICT SHEET NO.
CD 15

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

CONTRACT ID.

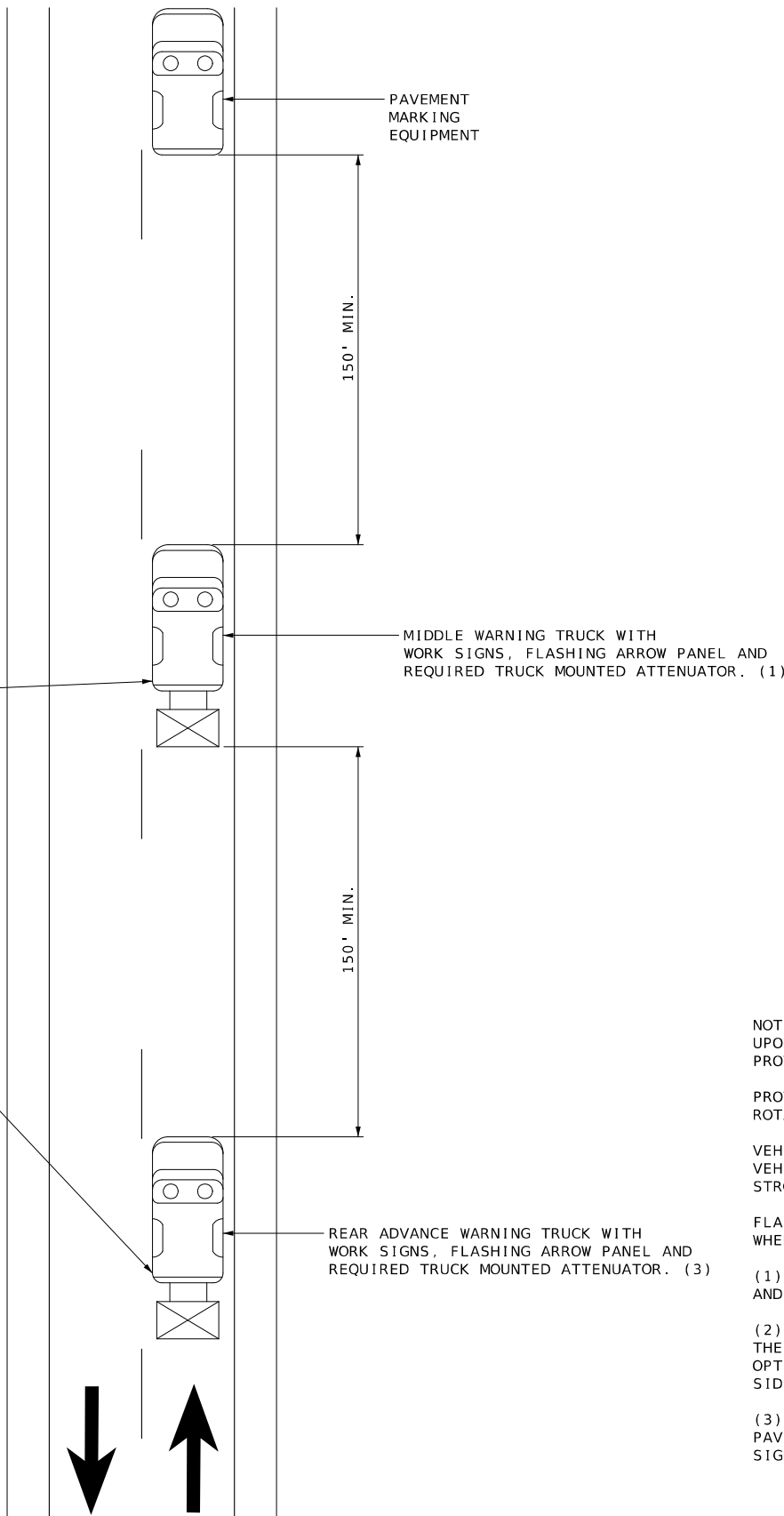
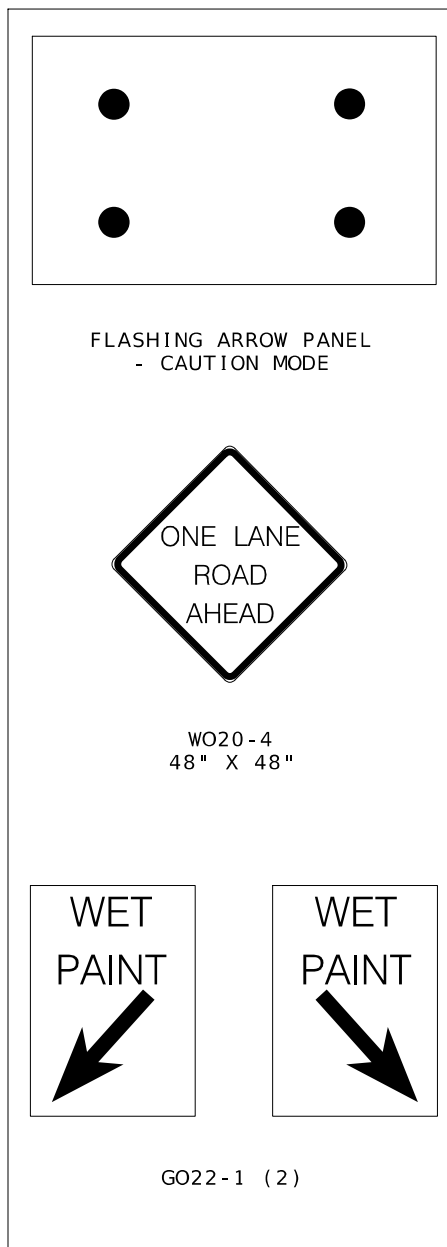
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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.

CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

STATE OF MISSOURI
 PATRICK J. HAKE
 NUMBER
 PE-201000826
 PROFESSIONAL ENGINEER

DATE PREPARED
7/22/2024

ROUTE N&W	STATE MO
DISTRICT CD	SHEET NO. 16

COUNTY
BOONE / CALLAWAY

JOB NO.
JCD0050

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)

DESIGN DESIGNATION

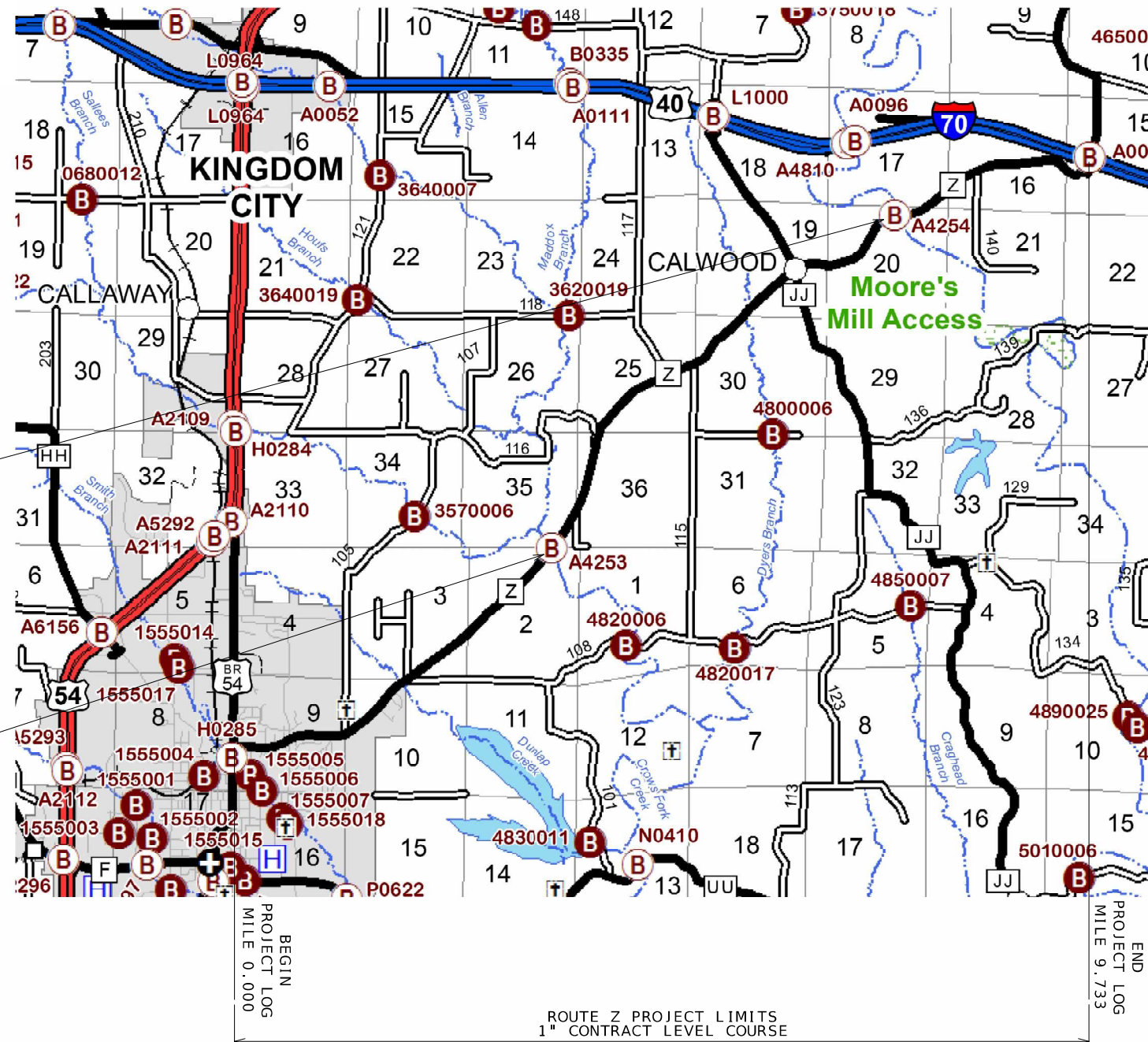
A.A.D.T - 2023 = 3,909
 V = 55 M.P.H
 T = 4.6%
 FUNCTIONAL CLASS = MAJOR COLLECTOR

NO NEW R/W REQUIRED



KEY MAP
SHOWING LOCATION OF
CALLAWAY COUNTY

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY CALLAWAY COUNTY CENTRAL DISTRICT



EXEMPTION: BRIDGE A4254
L.M. 7.826 TO L.M. 7.854

EXEMPTION: BRIDGE A4253
L.M. 3.410 TO L.M. 3.435

BEGIN
PROJECT LOG
MILE 0.000

END
PROJECT LOG
MILE 9.733

ROUTE Z PROJECT LIMITS
1" CONTRACT LEVEL COURSE

NOT TO SCALE

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

INDEX OF SHEETS

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

STATE OF MISSOURI
 MARIA K. PETERS
 NUMBER PE-2000162118
 PROFESSIONAL ENGINEER

DATE PREPARED
6/25/2024

ROUTE Z STATE MO
 DISTRICT CD SHEET NO. 1

COUNTY
CALLAWAY

JOB NO.
JCD0149

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

LENGTH OF PROJECT

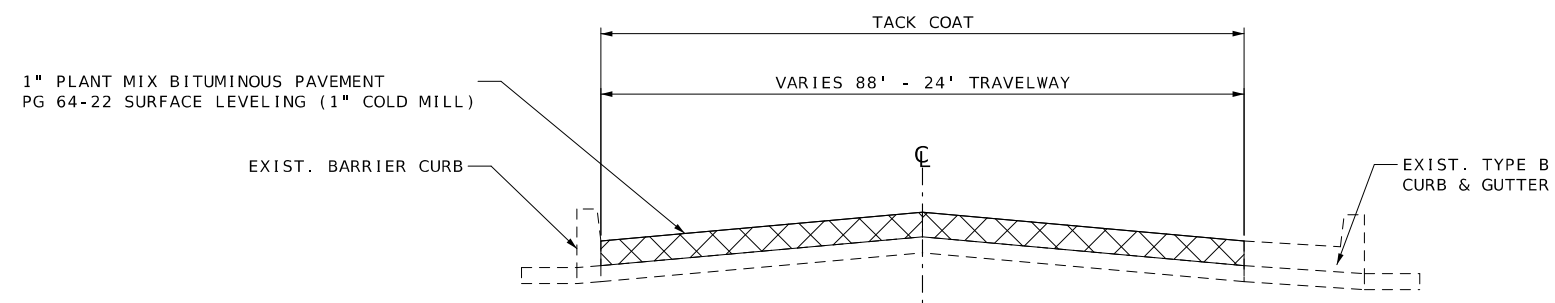
BEGINNING OF PROJECT	0.000 MILES
END OF PROJECT	9.733 MILES
APPARENT LENGTH	9.733 MILES
EQUATIONS AND EXCEPTIONS:	
BRIDGE A4253	LOG MILE 3.410 LOG MILE 3.435 -0.025 MILES
BRIDGE A4254	LOG MILE 7.826 LOG MILE 7.854 -0.028 MILES

TOTAL CORRECTIONS	-0.053 MILES
NET LENGTH OF PROJECT	51,110.4 FEET
STATE LENGTH	9,680 MILES
ESTIMATED DISTURBED ACRES	0.1 ACRES
FOR INFORMATION ONLY	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

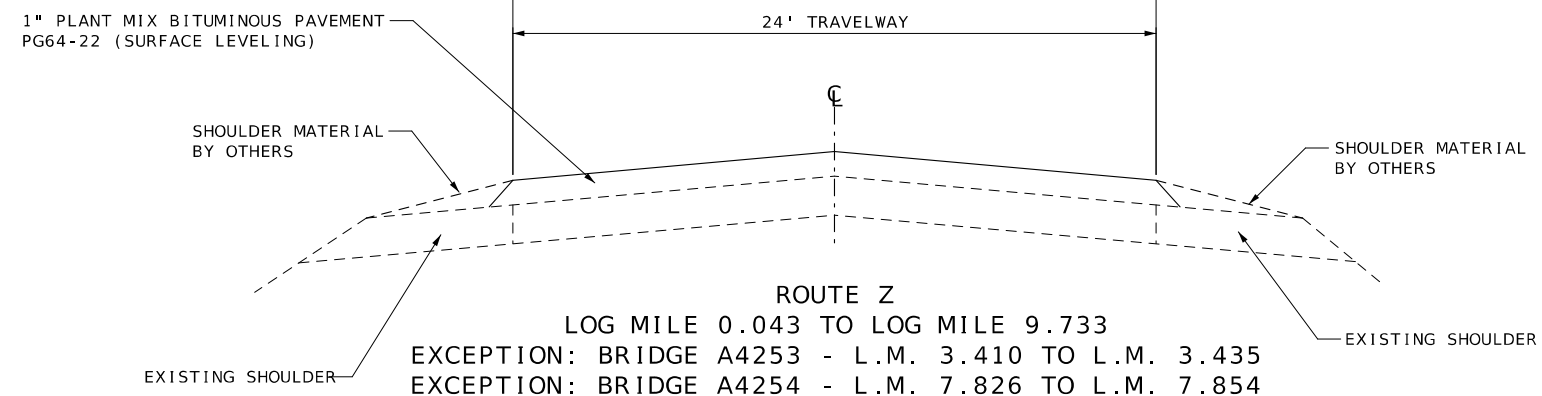
MoDOT

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



ROUTE Z
LOG MILE 0.000 TO LOG MILE 0.043

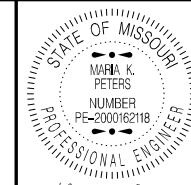
NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.



ROUTE Z
LOG MILE 0.043 TO LOG MILE 9.733
EXCEPTION: BRIDGE A4253 - L.M. 3.410 TO L.M. 3.435
EXCEPTION: BRIDGE A4254 - L.M. 7.826 TO L.M. 7.854

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

BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.987 TON/YD ³
TACK COAT	.08 GAL/YD ²
TACK COAT (COLDMILL)	.10 GAL/YD ²



DATE PREPARED
7/22/2024

ROUTE Z	STATE MO
DISTRICT CD	SHEET NO. 2

COUNTY
CALLAWAY

JOB NO.
JCD0149

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)

BITUMINOUS PAVEMENT MIXTURE PG 64-22 (1 " SURFACE LEVELING) RTE Z

LOG MILE	LOG MILE	LOCATION	NET LENGTH (MILES)	LENGTH FT.	AVERAGE WIDTH FT.	AREA SQ. FT.	BITUMINOUS MIX 1.987 TONS/CUYD TONS	TACK COAT GALLONS	REMARKS
0.000	0.043	RTE Z	0.043	227.04	VAR	7544.43	46.3	83.8	BEGIN PROJECT FROM BUSINESS 54 TO TYPICAL WIDTH - COLD MILL
0.043	3.41	RTE Z	3.367	17777.76	24	426666.24	2616.6	3792.6	RTE Z MAINLINE
3.41	3.435	RTE Z	0.025	132	24	3168	-	-	BRIDGE A4253 - EXCEPTION
3.435	7.826	RTE Z	4.391	23184.48	24	556427.52	3412.4	4946.0	RTE Z MAINLINE
7.826	7.854	RTE Z	0.028	147.84	24	3548.16	-	-	BRIDGE A4254 - EXCEPTION
7.854	9.733	RTE Z	1.879	9921.12	24	238106.88	1460.2	2116.5	RTE Z MAINLINE TO PROJECT END
6.751	6.772	RTE Z	0.021	110.88	VAR	3242.16	19.9	28.8	RTE Z AND RTE JJ INTERSECTION NORTH SIDE
6.756	6.781	RTE Z	0.025	132	VAR	4045.5	24.8	36.0	RTE Z AND RTE JJ INTERSECTION SOUTH SIDE
9.629	9.649	RTE Z	0.02	105.6	VAR	4439.25	27.2	39.5	RTE Z AND OUTER 70 INTERSECTION
-	-	RTE Z	-	-	VAR	3405.6	20.9	30.3	ADD. PAVEMENT FOR TYPICAL AND PRIVATE ENTRANCES
							1521.5		20% IRREGULARITIES
							152.1		2% SAFETY EDGE
						TOTAL	9301.9	10989.7	ESTIMATE FACTORS:
								83.8	TACK COAT (EXIST. ASPHALT) = 0.08 GAL/SY
						USE	9301.9	11074	TACK COAT (COLD MILL ASPHALT) = 0.10 GAL/SY

MODIFIED COLD MILLING (DEPTH TRANSITION)

LOG MILE	LOG MILE	LOCATION	NET LENGTH (MILES)	LENGTH FT.	WIDTH FT.	QUANTITY SY.	REMARKS
0.048	0.053	RTE Z	0.005	25	24	66.7	RTE Z START
3.405	3.41	RTE Z	0.005	25	24	66.7	BRIDGE A4253
3.435	3.44	RTE Z	0.005	25	24	66.7	BRIDGE A4253
6.759	6.764	RTE Z	0.005	10	22	24.4	RTE JJ NORTH END
6.769	6.774	RTE Z	0.005	10	22	24.4	RTE JJ SOUTH END
7.821	7.826	RTE Z	0.005	25	24	66.7	BRIDGE A4254
7.854	7.859	RTE Z	0.005	25	24	66.7	BRIDGE A4254
9.637	9.642	RTE Z	0.005	10	24	26.7	RTE Z AND OUTER 70 INTERSECTION
9.730	9.735	RTE Z	0.005	25	24	66.7	RTE Z END
9.714	9.723	RTE Z	-	10	VAR	112.4	TOP OF RAMP - RIGHT
9.716	9.723	RTE Z	-	10	VAR	88.0	TOP OF RAMP - LEFT
0.053		RTE Z - RT		2	71.02	15.8	PRIVATE ENTRANCE
0.053		RTE Z - LT		2	98.44	21.9	PRIVATE ENTRANCE
0.065		RTE Z - LT		2	47.18	10.5	PRIVATE ENTRANCE
0.152		RTE Z - RT		2	72.02	16.0	VINE ST
0.184		RTE Z - LT		2	25.73	5.7	PRIVATE ENTRANCE
0.242		RTE Z - RT		2	44.47	9.9	PARK DR
0.275		RTE Z - LT		2	52.16	11.6	FORREST AVE
0.295		RTE Z - RT		2	32.18	7.2	COUNTRY CLUB DR
0.301		RTE Z - RT		2	29.85	6.6	COUNTRY CLUB DR
0.361		RTE Z - LT		2	41.24	9.2	HIGHLAND AVE
0.387		RTE Z - RT		2	73.23	16.3	PRIVATE ENTRANCE
0.445		RTE Z - LT		2	50.19	11.2	ST MICHAEL ST
0.492		RTE Z - RT		2	79.44	17.7	WOOD ST
0.492		RTE Z - LT		2	140.21	31.2	WOOD ST
0.546		RTE Z - RT		2	63.63	14.1	CEDARWOOD DR
0.646		RTE Z - LT		2	52.29	11.6	PRIVATE ENTRANCE
0.884		RTE Z - RT		2	94.55	21.0	ST. LOUIS RD
1.223		RTE Z - LT		2	41.72	9.3	PRIVATE ENTRANCE
1.34		RTE Z - RT		2	53.16	11.8	HADDLEY LEE DR
1.505		RTE Z - RT		2	63.77	14.2	LAKE VIEW DR
1.563		RTE Z - RT		2	77.45	17.2	LAKE DR
1.608		RTE Z - LT		2	36.41	8.1	PRIVATE ENTRANCE
1.707		RTE Z - RT		2	148.14	32.9	CO ROUTE 108
1.783		RTE Z - LT		2	33.14	7.4	PRIVATE ENTRANCE
1.927		RTE Z - LT		2	39.21	8.7	PRIVATE ENTRANCE
2.033		RTE Z - LT		2	36.85	8.2	PRIVATE ENTRANCE
2.448		RTE Z - LT		2	25.78	5.7	PRIVATE ENTRANCE
2.519		RTE Z - RT		2	27.59	6.1	PRIVATE ENTRANCE
2.519		RTE Z - LT		2	34.02	7.6	PRIVATE ENTRANCE
2.679		RTE Z - LT		2	32.13	7.1	PRIVATE ENTRANCE
3.053		RTE Z - LT		2	31.31	7.0	PRIVATE ENTRANCE
3.903		RTE Z - LT		2	46.1	10.2	PRIVATE ENTRANCE
3.994		RTE Z - LT		2	61.2	13.6	PRIVATE ENTRANCE
4.026		RTE Z - LT		2	83.53	18.6	PRIVATE ENTRANCE
4.201		RTE Z - RT		2	34.8	7.7	PRIVATE ENTRANCE
6.741		RTE Z - RT		2	108.57	24.1	PRIVATE ENTRANCE
				TOTAL		1139.1	
				USE		1140.0	

REMOVAL OF IMPROVEMENTS				
LOG MILE	LOG MILE	LOCATION	GUARDRAIL L.F.	REMARKS
3.386	3.41	RTE Z	125	BRIDGE A4253 - NW CORNER
3.383	3.41	RTE Z	125	BRIDGE A4253 - SW CORNER
3.435	3.462	RTE Z	125	BRIDGE A4253 - NE CORNER
3.435	3.459	RTE Z	125	BRIDGE A4253 - SE CORNER
7.802	7.826	RTE Z	125	BRIDGE A4254 - NW CORNER
7.802	7.826	RTE Z	125	BRIDGE A4254 - SW CORNER
7.854	7.877	RTE Z	125	BRIDGE A4254 - NE CORNER
7.854	7.877	RTE Z	125	BRIDGE A4254 - SE CORNER
		TOTAL	1 LUMP SUM	

MOBILIZATION
TOTAL = 1 LUMP SUM

COLD MILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN THICK OR LESS)							
LOG MILE	LOG MILE	LOCATION	NET LENGTH (MILES)	LENGTH FT.	WIDTH FT.	QUANTITY SY.	REMARKS
0.000	0.043	RTE Z	0.043	227.04	VAR	838.27	PROJECT START
					TOTAL	838.27	
					USE	839	

GRAVEL (A) OR CRUSHED STONE (B)					
LOG MILE	LOG MILE	LOCATION	NET LENGTH MILE	TONS	REMARKS
0.000	9.733	RTE Z	9.733	540	AT EXISTING AGGREGATE ENTRANCES AND COUNTY ROADS
			TOTAL	540	
			USE	540	

SUMMARY OF QUANTITIES
SHEET 1 OF 3



DATE PREPARED
6/25/2024

ROUTE Z
STATE MO
DISTRICT CD
SHEET NO. 3

COUNTY
CALLAWAY

JOB NO.
JCD0149

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)



WATERBORNE PAVEMENT MARKING, TYPE P BEADS						
APPROX. LOG MILE	APPROX. LOG MILE	LENGTH FT.	LOCATION	4" SOLID YELLOW LF.	4" SOLID WHITE LF.	REMARKS
0.000	9.733	51390.24	RTE Z	102780.48	102780.48	RTE Z MAINLINE
			TOTAL =	102780.48	102780.48	
			USE =	102781	102781	

NOTE: ALL PAVEMENT MARKINGS TO MATCH EXISTING. LOCATE BEFORE MILLING OR RESURFACING.

PERFORMED THERMOPLASTIC				
LOG MILE	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING LEFT/RIGHT ARROW EA.	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24 IN. WHITE LF.	REMARKS
0.004	RTE Z		12	RTE Z AND BUSINESS 54 INTERSECTION
0.005	RTE Z		12	RTE Z AND BUSINESS 54 INTERSECTION
0.018	RTE Z	1		LEFT TURN - TOWARDS BUSINESS 54 SOUTH
	TOTAL	1	24	
	USE	1	24	

GUARDRAIL (MIDWEST GUARDRAIL SYSTEM - MASH APPROVED)							
LOG MILE	LOG MILE	LOCATION	MGS BRIDGE APPROACH TRANSITION (NO CURB) EA.	MGS GUARDRAIL (LF)	TYPE A CRASHWORTHY END TERMINAL (MASH) EA.	SHAPING SLOPES CLASS III 100 FT.	REMARKS
3.386	3.41	RTE Z	1	37.5	1	1.5	BRIDGE A4253 - NW CORNER
3.383	3.41	RTE Z	1	37.5	1	1.5	BRIDGE A4253 - SW CORNER
3.435	3.462	RTE Z	1	37.5	1	1.5	BRIDGE A4253 - NE CORNER
3.435	3.459	RTE Z	1	37.5	1	1.5	BRIDGE A4253 - SE CORNER
7.802	7.826	RTE Z	1	37.5	1	1.5	BRIDGE A4254 - NW CORNER
7.802	7.826	RTE Z	1	37.5	1	1.5	BRIDGE A4254 - SW CORNER
7.854	7.878	RTE Z	1	37.5	1	1.5	BRIDGE A4254 - NE CORNER
7.854	7.878	RTE Z	1	37.5	1	1.5	BRIDGE A4254 - SE CORNER
		TOTALS	8	300	8	12	
		USE	8	300	8	12	

LOOP DETECTORS			
LOG MILE	LOG MILE	QUANTITY (EA)	REMARKS
0.005	0.013	2	SEE SPECIAL SHEET 2 FOR DETAILS
	TOTAL	2	



DATE PREPARED
6/25/2024

ROUTE	STATE
Z	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CALLAWAY

JOB NO.
JCD0149

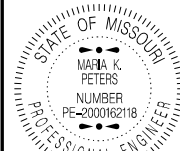
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION





DATE PREPARED 7/22/2024

ROUTE Z STATE MO DISTRICT CD SHEET NO. 3 COUNTY CALLAWAY JOB NO. JCD0149 CONTRACT ID.

Table with columns: SIGN, SIZE IN., AREA SQ.FT., QTY EACH, TOTAL AREA SQ.FT., QTY RELOC EACH, TOTAL RELOC SQ.FT., SIGN NUM., DESCRIPTION. Contains Warning Signs (WO1-1L to GO22-1), Guide Signs (E05-1 to MO4-10R), Regulatory Signs (R1-1 to R11-2), and Miscellaneous Signs (CONST-5 to CONST-8).

Table with columns: SIGN, SIZE IN., AREA SQ.FT., QTY EACH, TOTAL SQ.FT., QTY RELOC EACH, TOTAL RELOC SQ.FT., SIGN NUM., DESCRIPTION, ITEM NUMBER, TOTAL QTY, DESCRIPTION. Contains items 6122008 to 9029401.

NOTE: ALL TRAFFIC CONTROL ARE INCLUDED IN PAY ITEM 616-99.01, LUMP SUM TEMPORARY TRAFFIC CONTROL UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE & ARE SUBJECT TO CHANGE BASED UPON FIELD CONDITIONS. NO DIRECT PAY WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES

TEMPORARY TRAFFIC CONTROL PAY TOTAL: 1 LUMP SUM

*INCLUDED IN TEMPORARY TRAFFIC CONTROL LUMP SUM

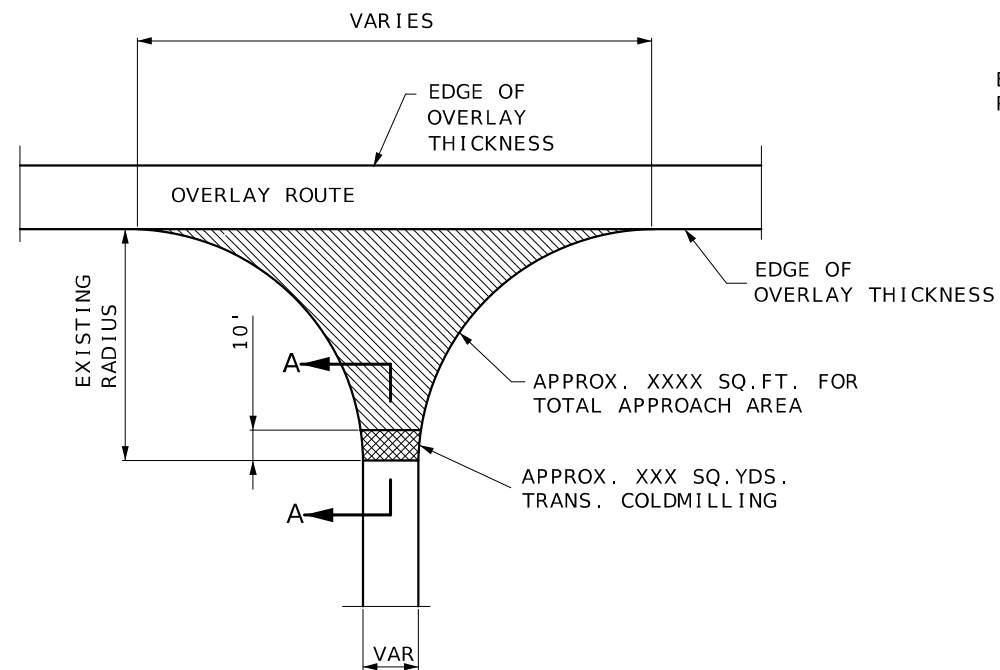
DESCRIPTION

DATE

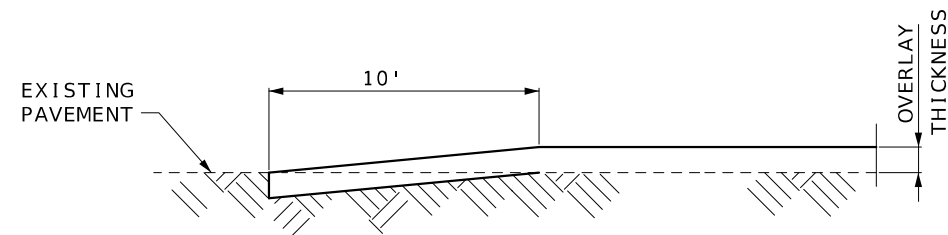
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



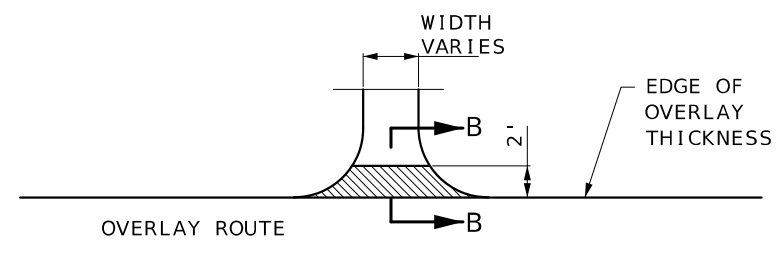
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)



TYPICAL STATE ROUTE JUNCTION

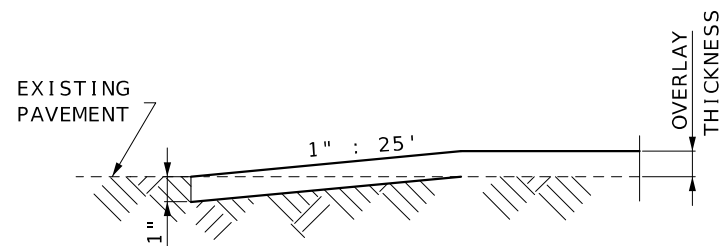


SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(COLDMILLED TRANSITION)

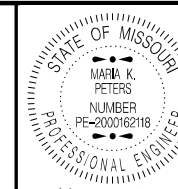


SECTION B-B

TYPICAL BIT. OR CONCRETE ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)
* TAPER AT 1:1 FOR FIELD ENTRANCE
MOD. COLDMILL DEPTH TRANS.



TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AND AT EXCEPTIONS



DATE PREPARED
6/25/2024

ROUTE Z STATE MO

DISTRICT CD SHEET NO. 4

COUNTY CALLAWAY

JOB NO. JCD0149

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)





DATE PREPARED
6/25/2024

ROUTE Z STATE MO

DISTRICT CD SHEET NO. 5

COUNTY CALLAWAY

JOB NO. JCD0149

CONTRACT ID.

PROJECT NO.

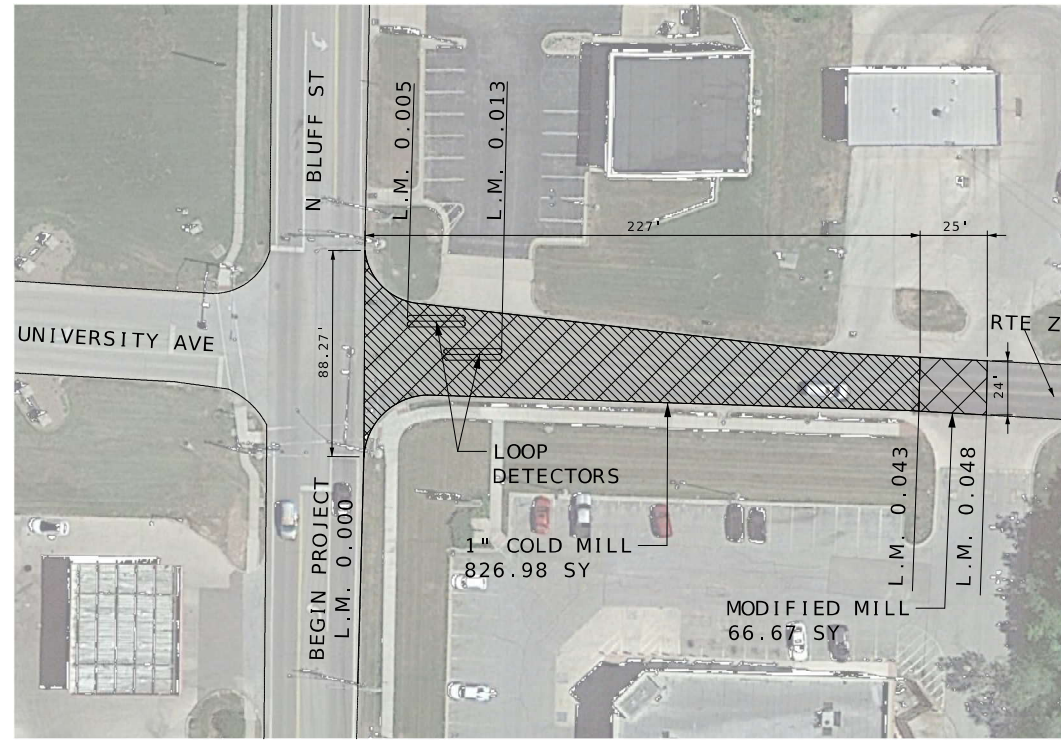
BRIDGE NO.

DATE DESCRIPTION

DATE	DESCRIPTION

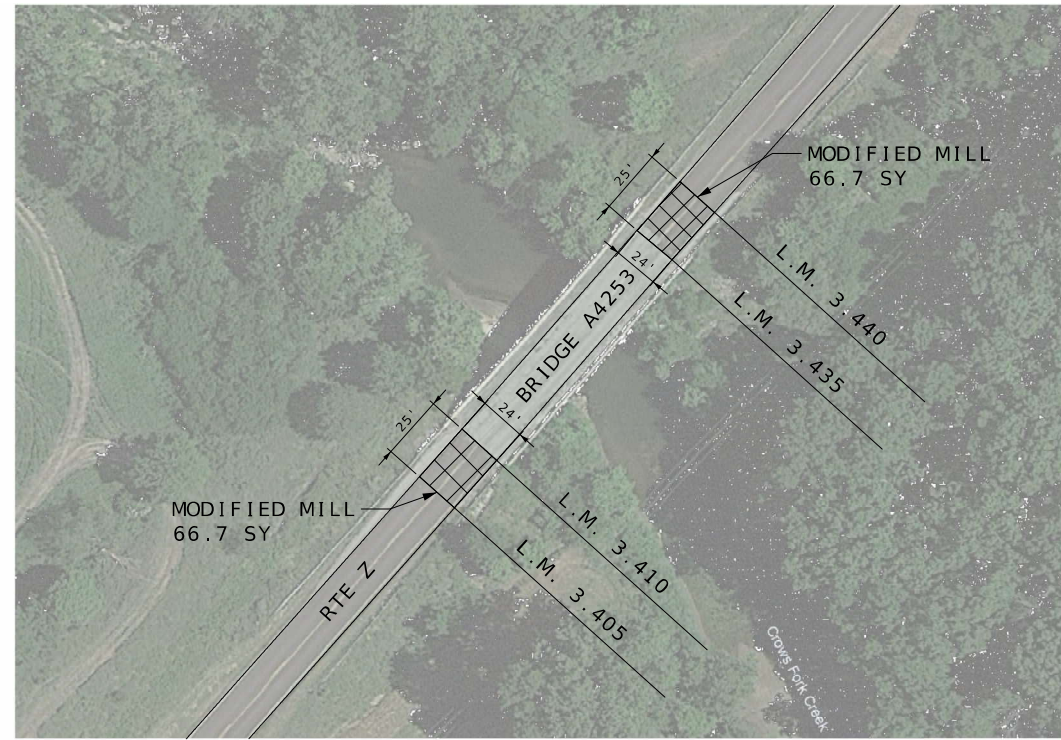
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)



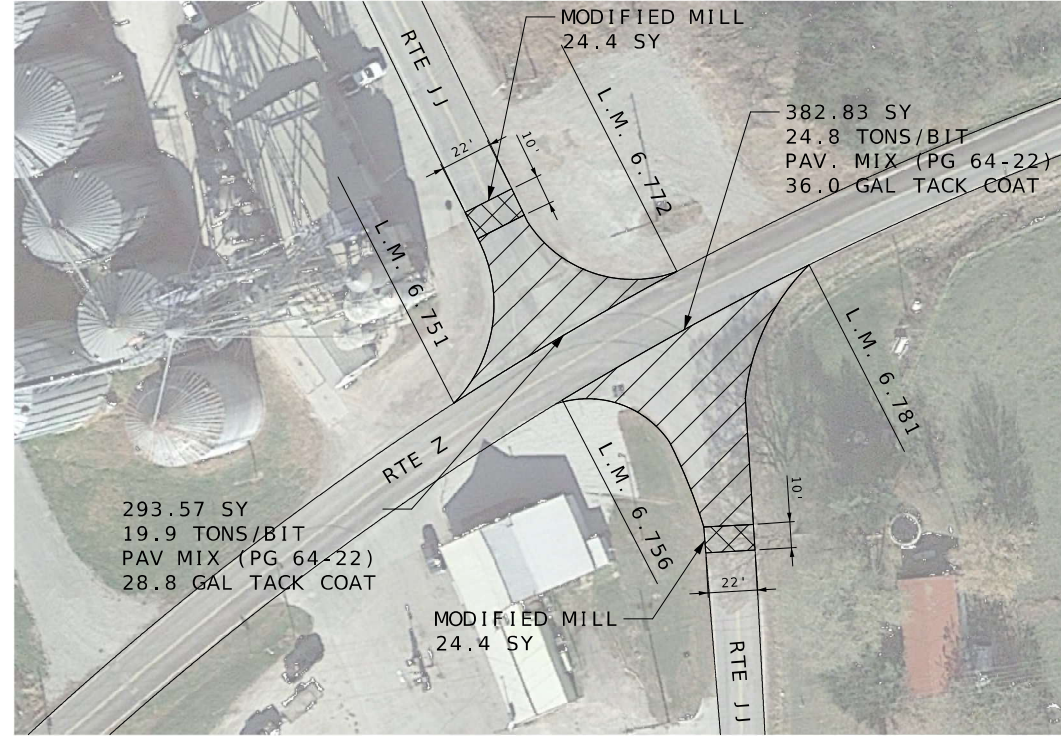
BEGIN PROJECT - RTE Z
L.M. 0.000 - L.M. 0.043

NOTES:
30' X 6' LOOP DETECTORS SHALL BE REPLACED IN SAME LOCATION AFTER
MILL & FILL OPERATION. SEE JSP FOR ADDITIONAL INFORMATION

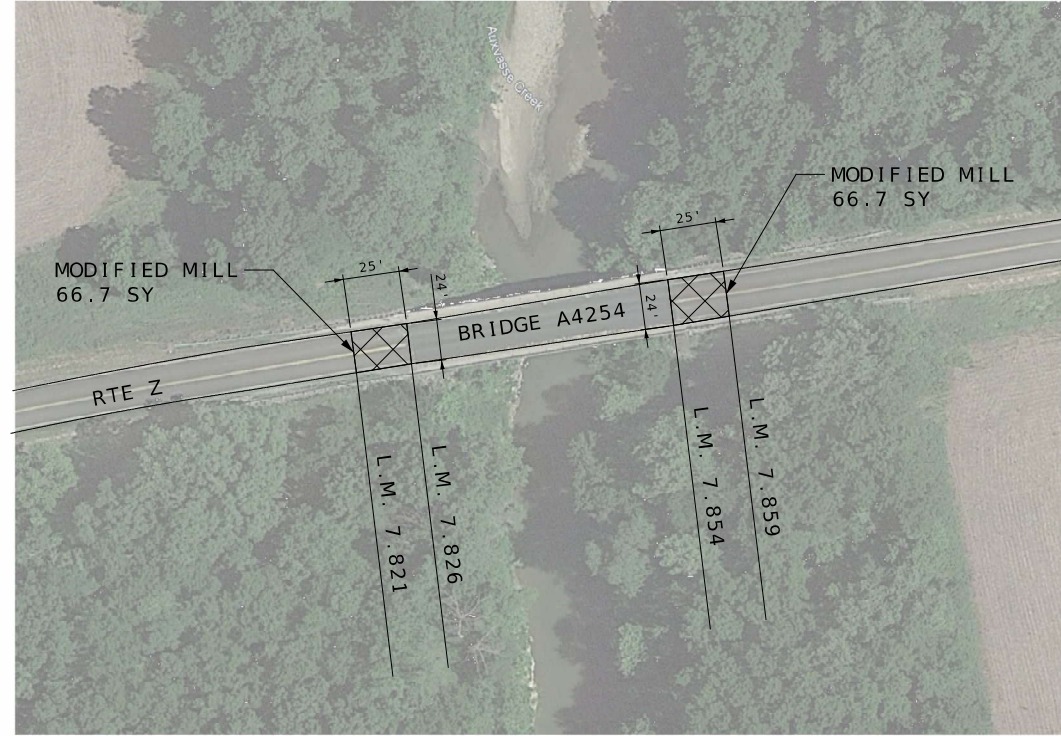


BRIDGE A4253 - RTE Z
L.M. 3.410 - L.M. 3.435

NOT TO SCALE

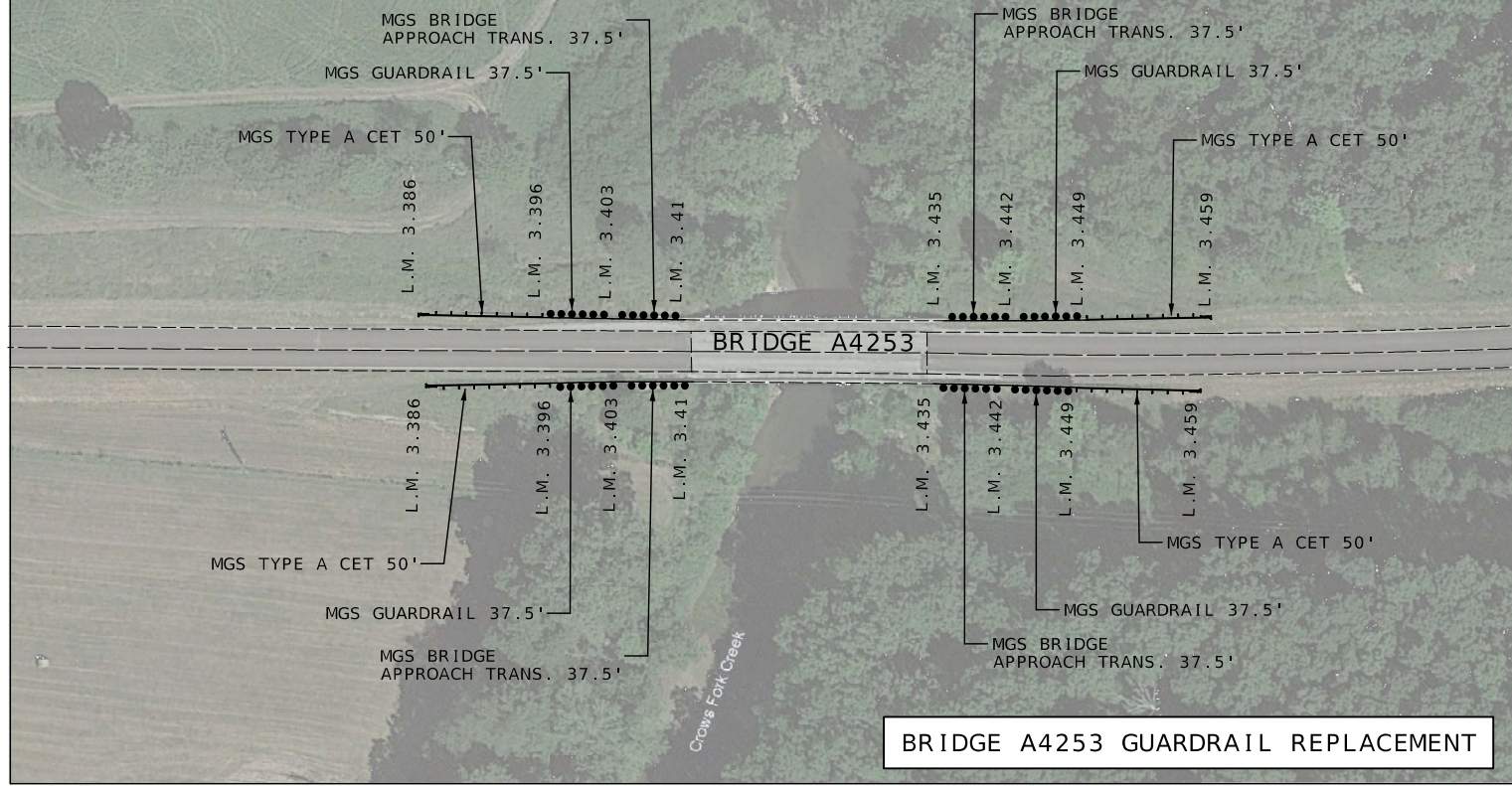


RTE Z AND RTE JJ INTERSECTION
L.M. 6.751 TO L.M. 6.781



BRIDGE A4254 - RTE Z
L.M. 7.826 - L.M. 7.854

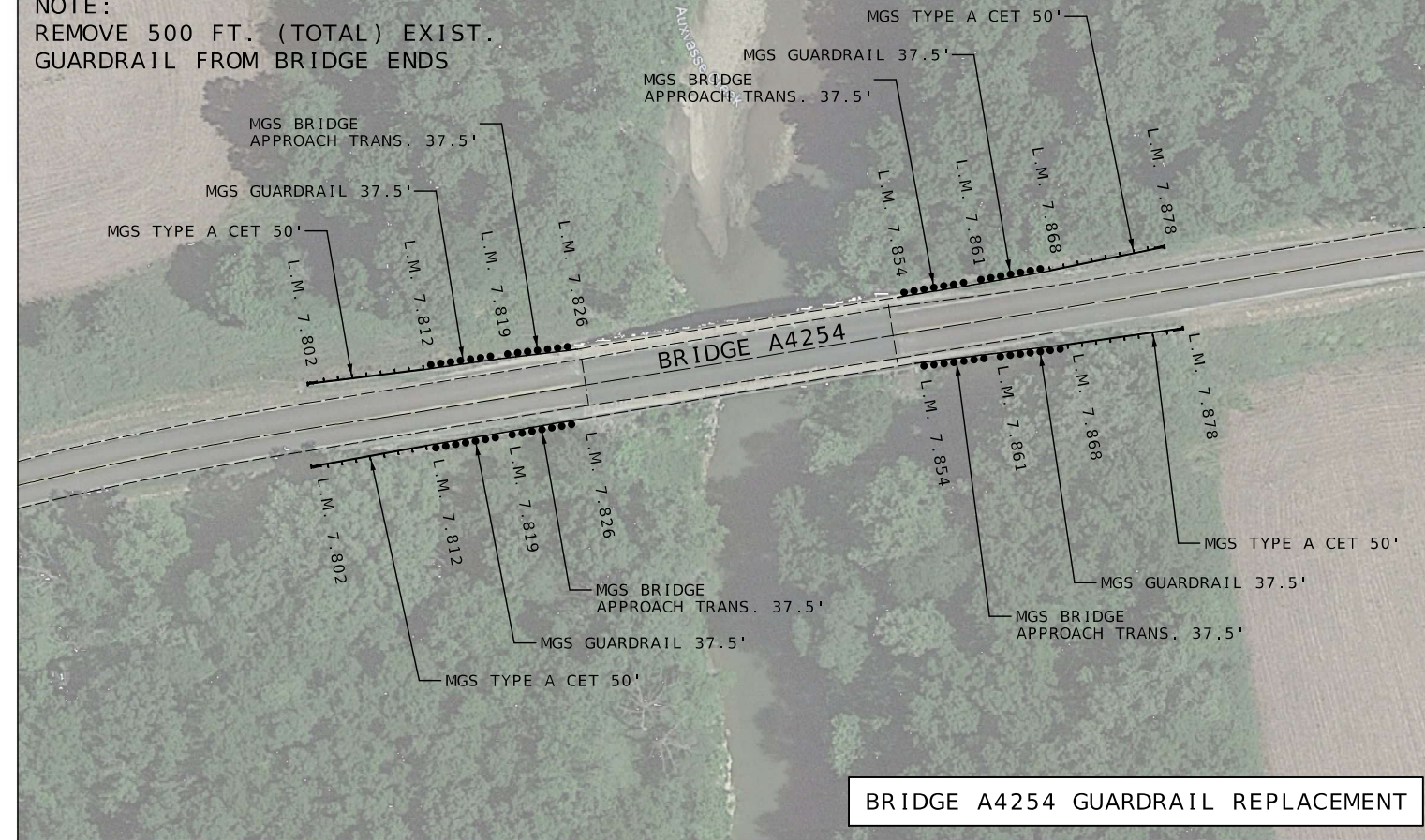
NOTE:
REMOVE 500 FT. (TOTAL) EXIST.
GUARDRAIL FROM BRIDGE ENDS



BRIDGE A4253 GUARDRAIL REPLACEMENT

NOT TO SCALE

NOTE:
REMOVE 500 FT. (TOTAL) EXIST.
GUARDRAIL FROM BRIDGE ENDS



BRIDGE A4254 GUARDRAIL REPLACEMENT



DATE PREPARED
6/25/2024

ROUTE Z STATE MO

DISTRICT CD SHEET NO. 7

COUNTY CALLAWAY

JOB NO. JCD0149

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)



Maria Peters
06/25/2024 4:03:58 PM
MARIA K. PETERS - CIVIL
MO-PE-200162118

DATE PREPARED
6/25/2024

ROUTE STATE
Z MO

DISTRICT SHEET NO.
CD 8

COUNTY
CALLAWAY

JOB NO.
JCD0149

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

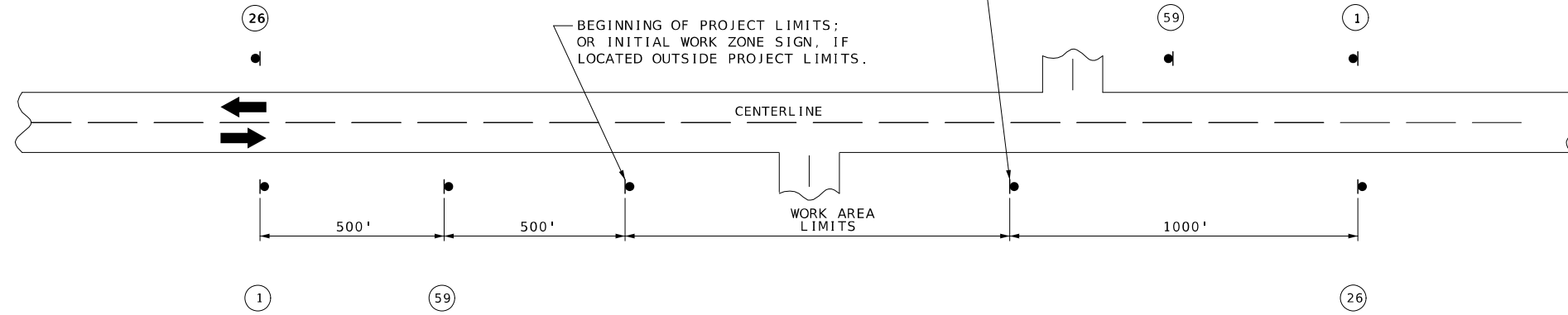
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-273-6636)

END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA, IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

BEGINNING OF PROJECT LIMITS; OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

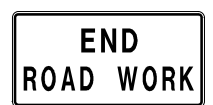


NOTES:

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.



GO20-2
26



GO20-1
1



CONST-8
59



WO20-1
2

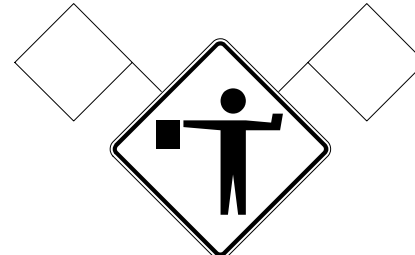


G020-4
53

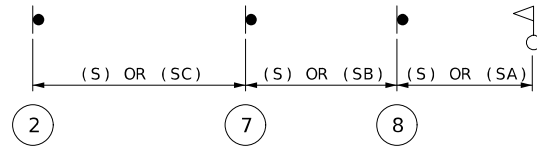
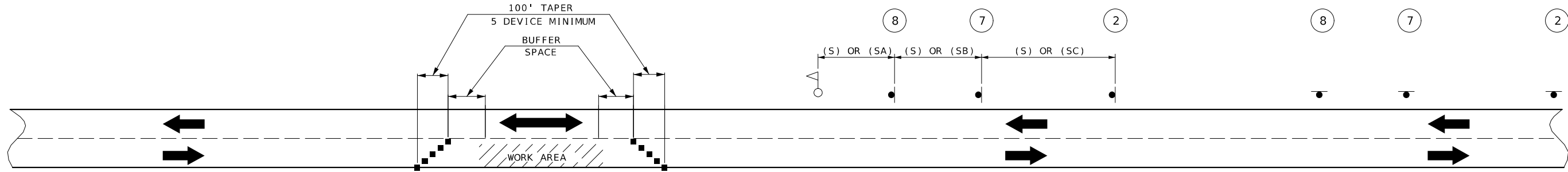
SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



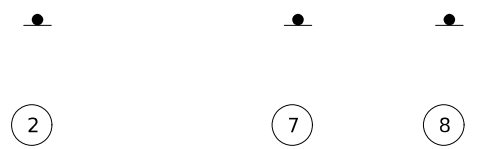
WO20-4
7



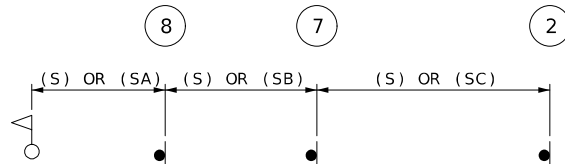
WO20-7a
8



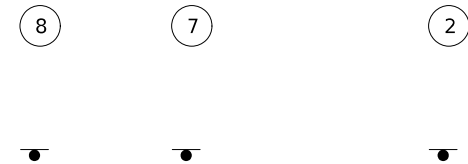
SET 1
ACTIVE



SET 2
INACTIVE



SET 3
ACTIVE



SET 4
INACTIVE

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

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.

SPEED	SIGN SPACING (FT.) (1)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

PERMANENT POSTED SPEED LIMIT (MPH)	BUFFER SPACE LENGTH (FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840

NOTES:

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.



STATE OF MISSOURI
MARIA K. PETERS
NUMBER
PE-2000162118
PROFESSIONAL ENGINEER
DATE PREPARED
6/25/2024
ROUTE Z
STATE MO
DISTRICT CD
SHEET NO. 9
COUNTY CALLAWAY
JOB NO. JCD0149
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)

SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

DISTANCE MAY BE ADJUSTED ACCORDING TO 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



DATE PREPARED
6/25/2024

ROUTE Z STATE MO
DISTRICT CD SHEET NO. 10

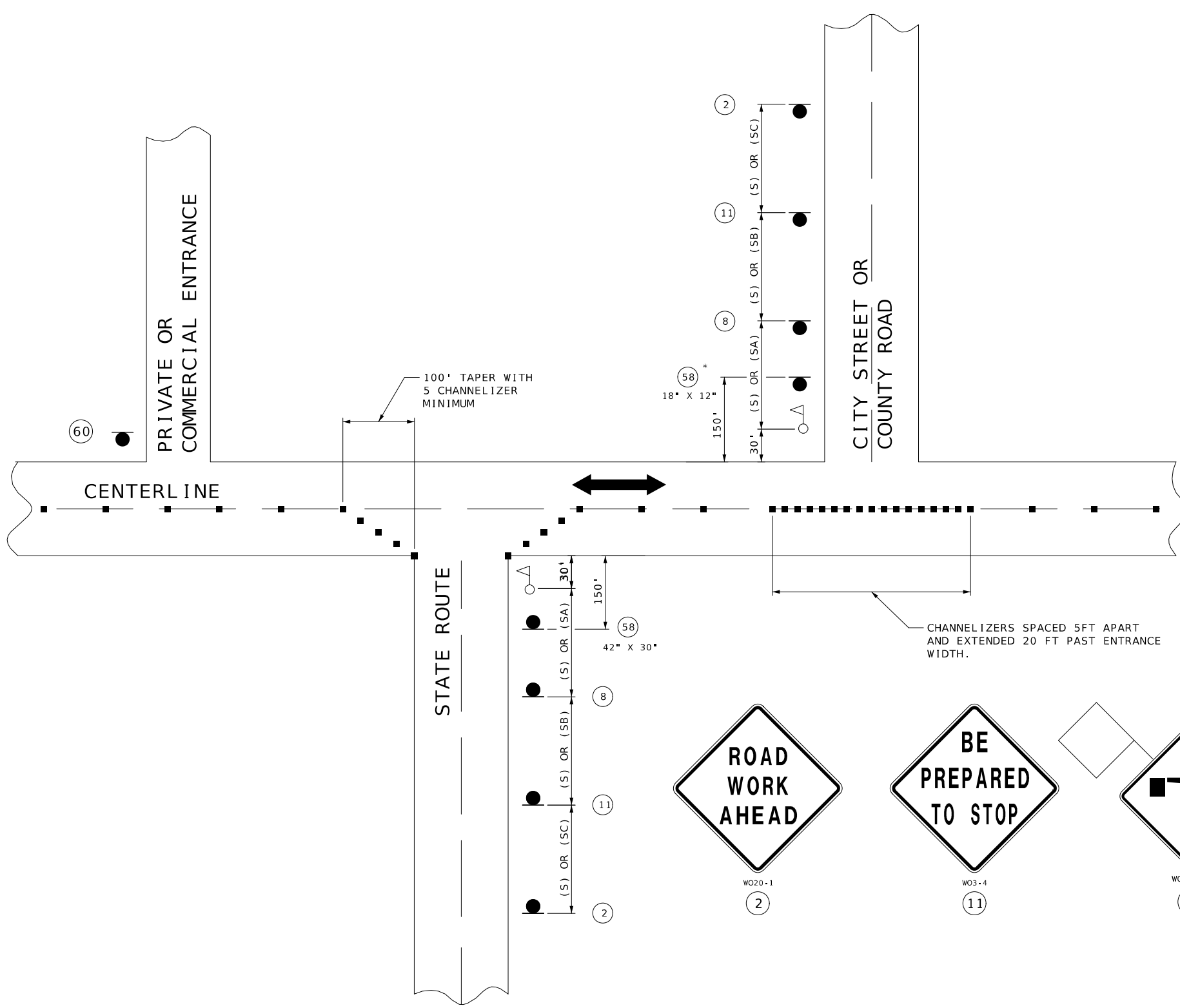
COUNTY
CALLAWAY
JOB NO.
JCD0149
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

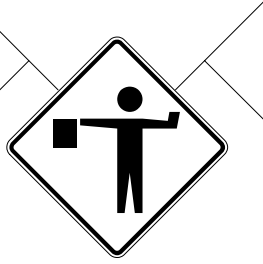
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



W020-1
2



W03-4
11



W020-7a
8



G020-4a
58

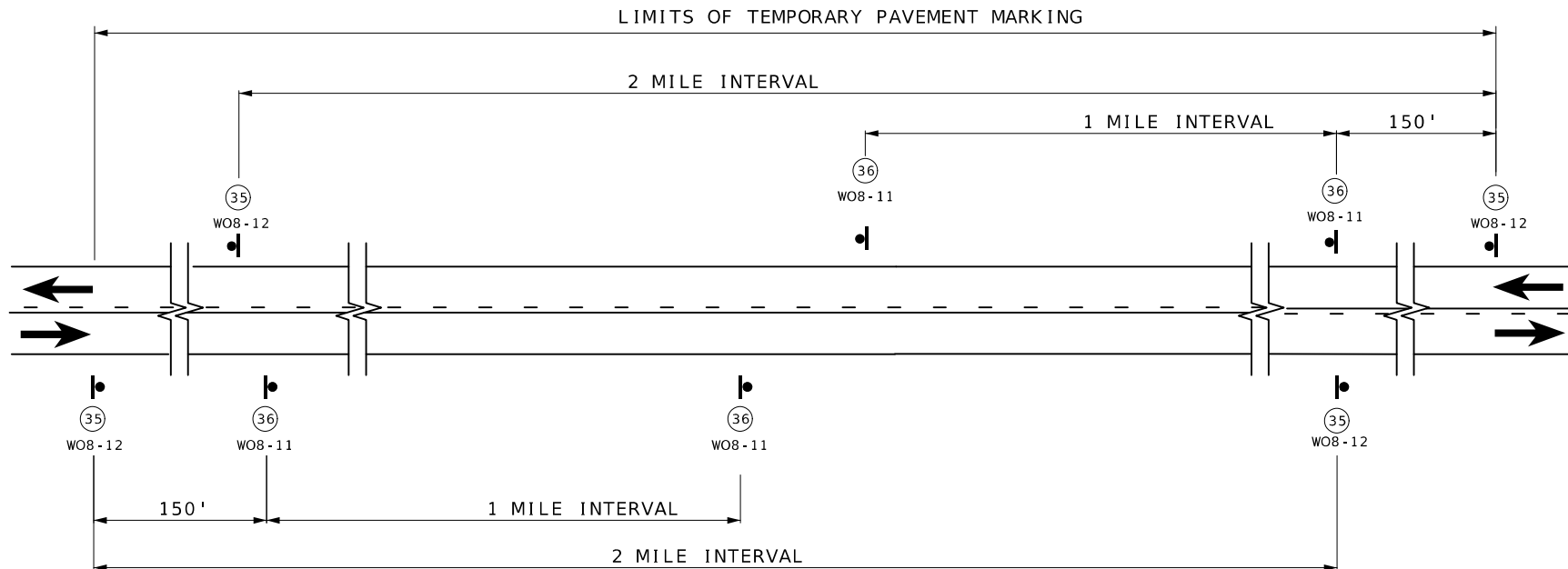


SPECIAL
60

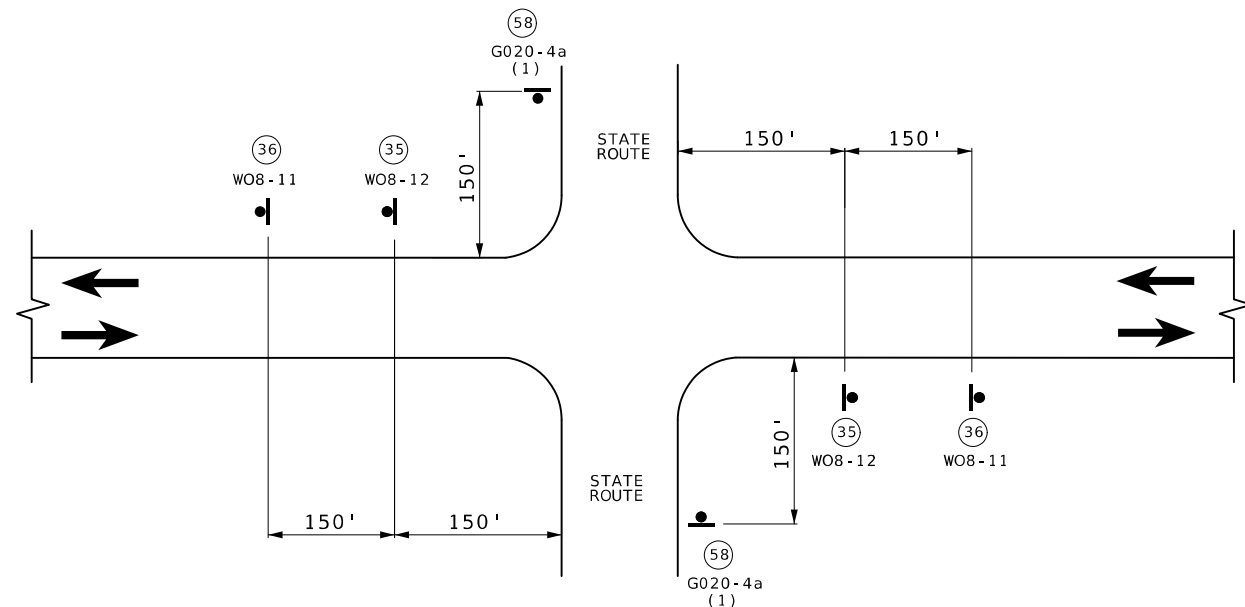
SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.

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

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



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS
SHOWING TEMPORARY STRIPING FOR MAINLINE

(1) ADDITIONAL SIDEROADS MAY BE SIGNED AS APPROVED BY THE ENGINEER.



G020-4a
58



WO8-12
35



WO8-11
36

NOTES:

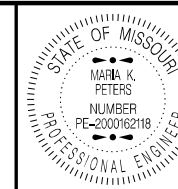
SIGN 35 AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS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

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 5



Maria Peters
06/25/2024 4:08:08 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
6/25/2024

ROUTE STATE
Z MO

DISTRICT SHEET NO.
CD 11

COUNTY

CALLAWAY

JOB NO.

JCD0149

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)



DATE PREPARED
6/25/2024

ROUTE Z STATE MO

DISTRICT CD SHEET NO. 12

COUNTY CALLAWAY

JOB NO. JCD0149

CONTRACT ID.

PROJECT NO.

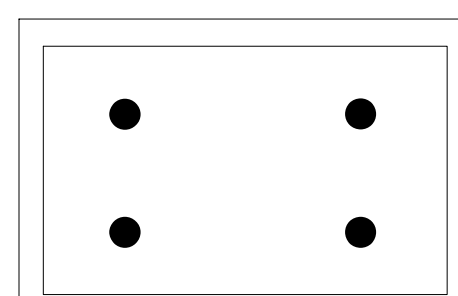
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



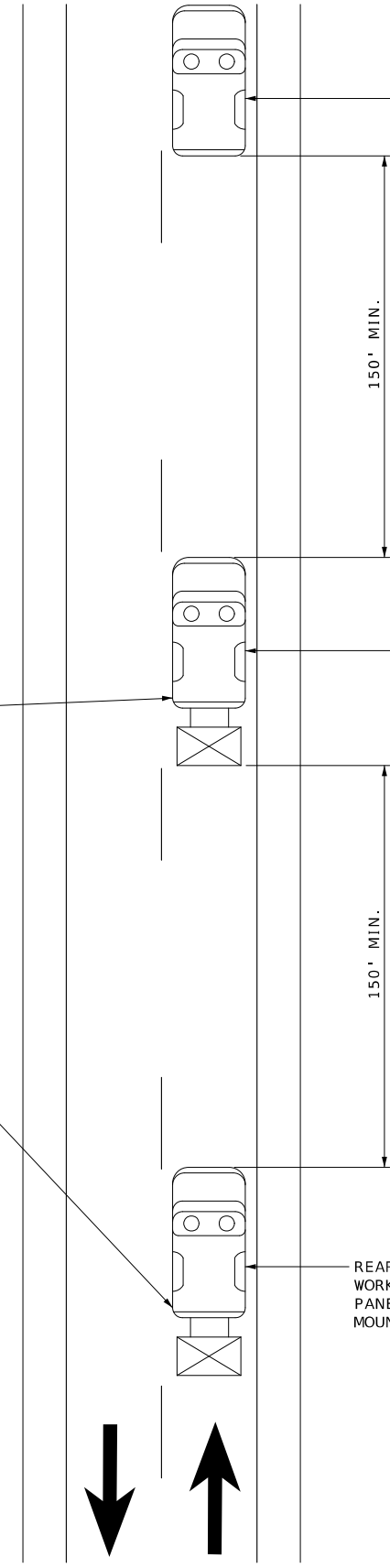
FLASHING ARROW PANEL - CAUTION MODE



WO20-4
48" X 48"



GO22-1 (2)



PAVEMENT MARKING EQUIPMENT

MIDDLE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR. (1)

REAR ADVANCE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR. (3)

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 SHALL 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.