

DESIGN DESIGNATION

A.A.D.T. - 2025 = 7193
T = 10%
V = 55, 50, 45, 30 M.P.H.
FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

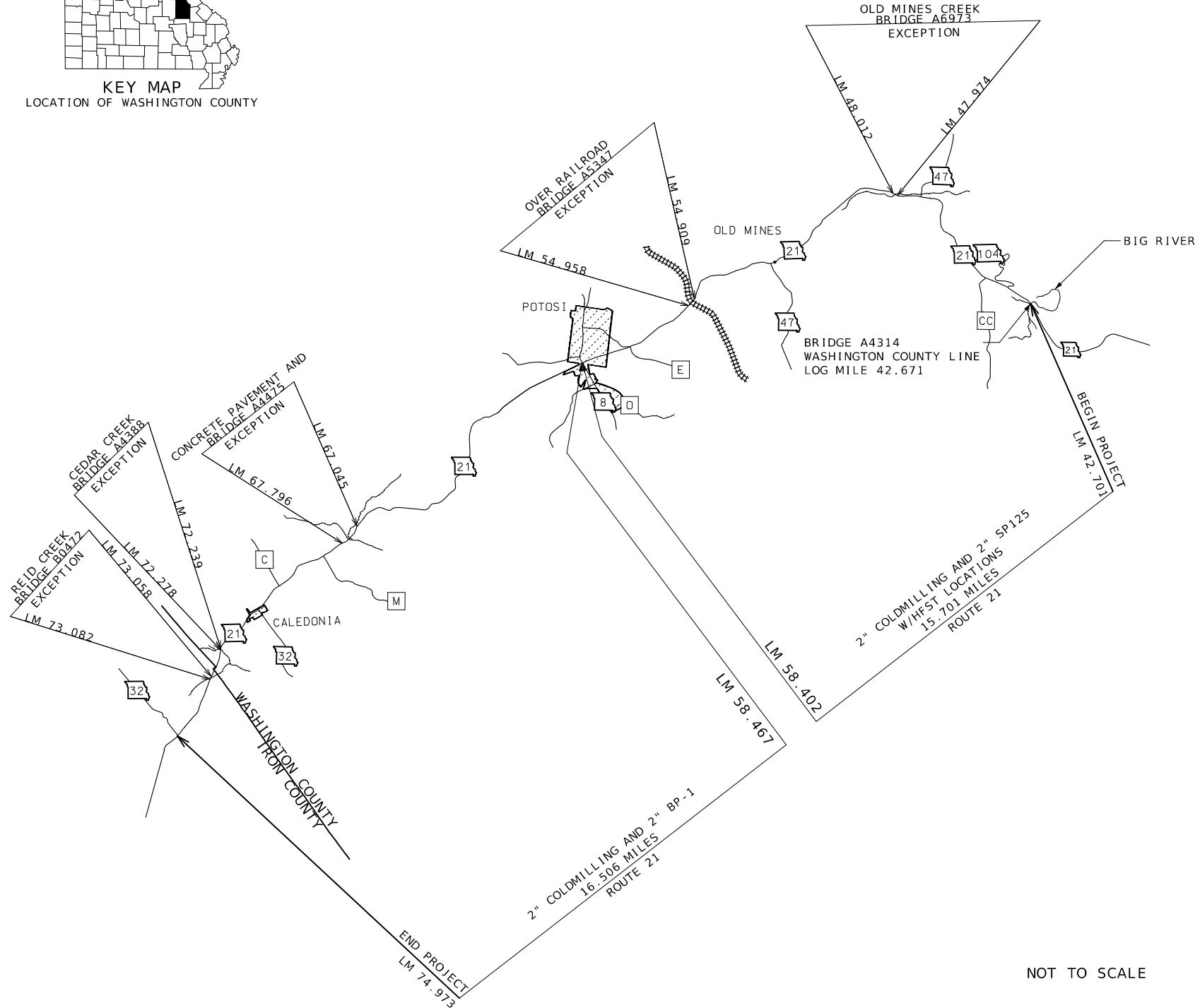
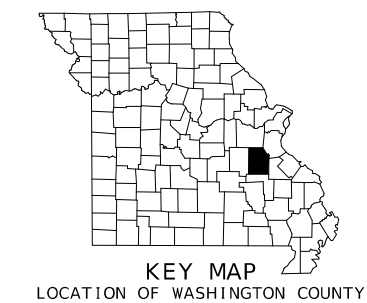
NO R/W ACQUISITION NEEDED

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		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
WASHINGTON COUNTY

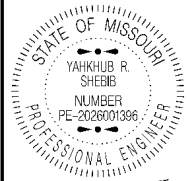


NOT TO SCALE

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) (3 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
SPECIAL SHEETS (SS)	4-6
TRAFFIC CONTROL SHEETS (TC)	7-16



DATE PREPARED
8/10/2026
ROUTE 21
STATE MO
DISTRICT CD
SHEET NO. 1
COUNTY WASHINGTON
JOB NO. JCD0092
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

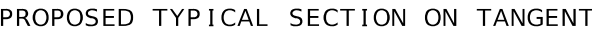
DESCRIPTION	DATE

LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE 42.701
END OF PROJECT	LOG MILE 74.973
APPARENT LENGTH	170396.16 FEET
EQUATIONS AND EXCEPTIONS:	
BRIDGE A6973 LM 47.974 TO LM 48.012	0.038 MILES 200.64 FEET
BRIDGE A5347 LM 54.909 TO LM 54.958	0.049 MILES 258.72 FEET
RTE 8 AND 21 INTERSECTION LM 58.402 TO LM 58.467	0.065 MILES 343.20 FEET
CONCRETE PAVEMENT AND BRIDGE A4475 LM 67.045 TO LM 67.796	0.751 MILES 3965.28 FEET
BRIDGE A4388 LM 72.239 TO LM 72.278	0.039 MILES 205.92 FEET
BRIDGE B0472 LM 73.058 TO LM 73.082	0.024 MILES 126.72 FEET
TOTAL CORRECTIONS	5100.48 FEET
NET LENGTH OF PROJECT	165295.68 FEET
STATE LENGTH	31.306 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



LM 58.467 TO LM 58.498 (2' SHLDR)*
LM 58.658 TO LM 58.738 (6' SHLDR)

*CENTER LANE DOES NOT TERMINATE



BRIDGE A4475 AND CONCRETE EXCEPTION LM 67.045 TO LM 67.796
BRIDGE A4388 EXCEPTION LM 72.239 TO LM 72.278



LM 58.498 TO LM 58.658



LM 72.841 TO LM 73.058
LM 73.082 TO LM 74.973 (END)

BRIDGE B0472 EXCEPTION LM 73.058 TO LM 73.082

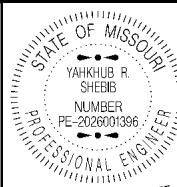


LM 58.738 TO LM 59.278

BITUMINOUS PAVEMENT MIXTURE (BP-1 PG64-22)	1.948 TON/YD ³
ASPHALTIC CONCRETE MIXTURE (SP125 MIX PG64-22)	1.927 TON/YD ³
TACK COAT (EXISTING SURFACE)	0.08 GAL/YD ²
TACK COAT (COLDMILLED SURFACES)	0.10 GAL/YD ²

NOT TO SCALE

TYPICAL SECTION
SHEET 3 OF 3



08/10/2026 3:32:19 PM
YAKHUB R. SHEBIB - CIVIL
MO-PE-2026001396
DATE PREPARED

DATE PREPARED
8/10/2026

ROUTE	STATE
21	MO

21	MO
DISTRICT	SHEET NO

CD	2
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COUNTY
WASHINGTON

JOB NO.
1000000

JCD0092

CONTRACT ID.

1000

PROJECT NO.

BRIDGE NO.

[illegible]


 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102



2" SUPERPAVE PAVEMENT MIXTURE (PG64-22)								
LOG MILE	LOG MILE	LOCATION	LENGTH FT	WIDTH FT	AREA SQ. FT.	SP125 (PG64-22) 1.927 TON/CUYD TONS	NON-TRACKING TACK COAT GAL	REMARKS
42.701	42.815	RTE 21	601.92	44	26484.48	315.03	294.27	BEGIN PROJECT
42.815	42.937	RTE 21	644.16	40	25766.40	306.49	286.29	
42.937	43.056	RTE 21	628.32	34	21362.88	254.11	237.37	
43.056	43.870	RTE 21	4297.92	32	137533.44	1635.97	1528.15	
43.87	44.938	RTE 21	5639.04	34	191727.36	2280.61	2130.30	
44.938	45.027	RTE 21	469.92	32	15037.44	178.87	167.08	
45.027	45.253	RTE 21	1193.28	34	40571.52	482.60	450.79	
45.253	45.575	RTE 21	1700.16	32	54405.12	647.15	604.50	
45.575	46.143	RTE 21	2999.04	34	101967.36	1212.91	1132.97	
46.143	46.797	RTE 21	3453.12	32	110499.84	1314.40	1227.78	
46.797	47.239	RTE 21	2333.76	34	79347.84	943.85	881.64	
47.239	47.679	RTE 21	2323.2	VARIES	97891.00	1164.42	1087.68	CENTER TURN LANE
47.679	47.849	RTE 21	897.6	40	35904.00	427.08	398.93	
47.849	47.974	RTE 21	660	VARIES	28116.00	334.44	312.40	CENTER TURN LANE
47.974	48.012	RTE 21	200.64	-	-	-	-	BRIDGE A6973 EXCEPTION
48.012	48.241	RTE 21	1209.12	40	48364.80	575.30	537.39	
48.241	51.938	RTE 21	19520.16	36	702725.76	8358.97	7808.06	
51.938	52.097	RTE 21	839.52	VARIES	35978.00	427.96	399.76	CENTER TURN LANE
52.097	52.169	RTE 21	380.16	36	13685.76	162.79	152.06	
52.169	52.322	RTE 21	807.84	VARIES	35022.00	416.59	389.13	CENTER TURN LANE
52.322	54.909	RTE 21	13659.36	36	491736.96	5849.24	5463.74	
54.909	54.958	RTE 21	258.72	-	-	-	-	BRIDGE A5347 EXCEPTION
54.958	56.751	RTE 21	9467.04	36	340813.44	4054.00	3786.82	
56.751	56.948	RTE 21	1040.16	40	41606.40	494.91	462.29	
56.948	57.178	RTE 21	1214.4	VARIES	75817.86	901.86	842.42	RTE E AND 21 INTERSECTION
57.178	58.348	RTE 21	6177.6	40	247104.00	2939.32	2745.60	
58.348	58.402	RTE 21	285.12	VARIES	16492.88	196.18	183.25	RTE 8 AND 21 INTERSECTION
58.402	58.467	RTE 21	343.2	-	-	-	-	RTE 8 AND 21 INTERSECTION EXCEPTION
	43.442	RTE 21	55.00	VARIES	3758.49	44.71	41.76	RTE 104 AND 21 INTERSECTION
	44.104	RTE 21	56.08	VARIES	3208.49	38.17	35.65	RTE CC AND 21 INTERSECTION
	44.831	RTE 21	40.37	VARIES	2292.53	27.27	25.47	RTE 104 AND 21 INTERSECTION
	47.342	RTE 21	71.68	VARIES	5695.87	67.75	63.29	RTE 47 AND 21 INTERSECTION
	52.266	RTE 21	67.83	VARIES	2826.87	33.63	31.41	RTE 47 AND 21 INTERSECTION
					TOTAL	36086.58	33708.25	
					USE	36086.6	33708	

2" BITUMINOUS PAVEMENT MIXTURE (PG64-22)								
LOG MILE	LOG MILE	LOCATION	LENGTH FT	WIDTH FT	AREA SQ. FT.	BP-1 (PG64-22) 1.948 TON /CUYD TONS	NON-TRACKING TACK COAT GAL	REMARKS
58.402	58.467	RTE 21	343.2	-	-	-	-	RTE 8 AND 21 INTERSECTION EXCEPTION
58.467	58.498	RTE 21	163.68	VARIES	6628.10	79.70	73.65	RTE 8 AND 21 INTERSECTION
58.498	58.658	RTE 21	844.8	38	32102.40	386.02	356.69	
58.658	58.738	RTE 21	422.4	VARIES	16328.88	196.35	181.43	MEMORIAL DRIVE INTERSECTION
58.738	59.278	RTE 21	2851.2	36	102643.20	-	1140.48	
59.278	67.045	RTE 21	41009.76	28	1148273.28	13807.63	12758.59	
67.045	67.796	RTE 21	3965.28	-	-	-	-	CONCRETE AND BRIDGE A4475 EXCEPTION
67.796	72.239	RTE 21	23459.04	28	656853.12	7898.46	7298.37	
72.239	72.278	RTE 21	205.92	-	-	-	-	BRIDGE A4388 EXCEPTION
72.278	72.841	RTE 21	2972.64	28	83233.92	1000.86	924.82	
72.841	73.058	RTE 21	1145.76	30	34372.80	413.32	381.92	
73.058	73.082	RTE 21	126.72	-	-	-	-	BRIDGE B0472 EXCEPTION
73.082	74.973	RTE 21	9984.48	30	299534.40	3601.81	3328.16	END PROJECT
	68.286	RTE 21	55.06	VARIES	2656.10	31.94	29.51	RTE M AND 21 INTERSECTION
	69.812	RTE 21	78.48	VARIES	3748.49	45.07	41.65	RTE C AND 21 INTERSECTION
	70.682	RTE 21	112.34	VARIES	6694.67	80.50	74.39	RTE 32 AND 21 INTERSECTION
	74.949	RTE 21	143.07	VARIES	12199.61	146.70	135.55	RTE 32 AND 21 INTERSECTION
					TOTAL	27688.36	26725.21	
					USE	27688.4	26725	

PERMANENT SIGN INSTALLATION						
LOG MILE	SIGN NUMBER	SIGN ID	2.5" PSST POST LENGTH (FT)	SIGN AREA SQ FT	DRIVEN POST ANCHOR FOR 2.5 IN. PSST (EA)	COMMENTS
56.868	1	W3-3	16	9	1	TRAFFIC SIGNAL ADVANCE WARNING SIGN
		TOTAL	16	9	1	
		USE	16	9	1	

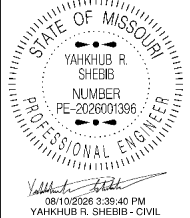
PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE			
LOG MILE	LOCATION	LENGTH LF	COMMENTS
57.058	RTE 21	22	RTE 21 AND E INTERSECTION STOP BARS
57.068	RTE 21	44	RTE 21 AND E INTERSECTION STOP BARS
57.078	RTE 21	22	RTE 21 AND E INTERSECTION STOP BARS
58.630	RTE 21	22	RTE 21 AND MEMORIAL DRIVE INTERSECTION STOP BARS
58.651	RTE 21	12	RTE 21 AND MEMORIAL DRIVE INTERSECTION STOP BARS
70.752	RTE 21	30	CALEDONIA PEDESTRIAN CROSSING
70.803	RTE 21	30	CALEDONIA PEDESTRIAN CROSSING
70.837	RTE 21	30	CALEDONIA PEDESTRIAN CROSSING
	TOTAL	212	

PREFORMED THERMOPLASTIC PAVEMENT MARKING				
LOG MILE	LOCATION	LT TURN ARROW EA	DIRECTION	REMARKS
48.920	ROUTE 21	1	SB	DIAMOND ROAD INTERSECTION
47.932	ROUTE 21	1	SB	DIAMOND ROAD INTERSECTION
52.030	ROUTE 21	1	NB	PAT DALY ROAD
52.239	ROUTE 21	1	SB	RTE 47 AND 21 INTERSECTION
57.036	ROUTE 21	1	SB	RTE E AND 21 INTERSECTION
57.104	ROUTE 21	1	NB	RTE E AND 21 INTERSECTION
58.480	ROUTE 21	1	NB	RTE 8 AND 21 INTERSECTION
58.604	ROUTE 21	1	SB	MEMORIAL DR INTERSECTION
	TOTAL	8		

MISC. VIDEO DETECTION SYSTEM			
LOG MILE	LOCATION	EA	REMARKS
57.068	ROUTE 21	1	RTE E AND 21 INTERSECTION
	TOTAL	1	

GRAVEL (A) OR CRUSHED STONE (B)	
LOCATION	TONS
ROUTE 21	160

MOBILIZATION
1 LUMP SUM



DATE PREPARED
8/10/2026
ROUTE 21
STATE MO
DISTRICT CD
SHEET NO. 3

COUNTY
WASHINGTON
JOB NO.
JCD0092
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE						

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OR SURFACING (3IN. THICK OR LESS)						
LOG MILE	LOG MILE	LOCATION	LENGTH FT	WIDTH FT	QUANTITY SQ. YD.	REMARKS
42.701	42.815	RTE 21	601.92	44	2942.72	BEGIN PROJECT
42.815	42.937	RTE 21	644.16	40	2862.93	
42.937	43.056	RTE 21	628.32	34	2373.65	
43.056	43.870	RTE 21	4297.92	32	15281.49	
43.870	44.938	RTE 21	5639.04	34	21303.04	
44.938	45.027	RTE 21	469.92	32	1670.83	
45.027	45.253	RTE 21	1193.28	34	4507.95	
45.253	45.575	RTE 21	1700.16	32	6045.01	
45.575	46.143	RTE 21	2999.04	34	11329.71	
46.143	46.797	RTE 21	3453.12	32	12277.76	
46.797	47.239	RTE 21	2333.76	34	8816.43	
47.239	47.679	RTE 21	2323.20	VARIES	10876.78	CENTER TURN LANE
47.679	47.849	RTE 21	897.60	40	3989.33	
47.849	47.974	RTE 21	660.00	VARIES	3124.00	CENTER TURN LANE
47.974	48.012	RTE 21	200.64	-	-	BRIDGE A6973 EXCEPTION
48.012	48.241	RTE 21	1209.12	40	5373.87	
48.241	51.938	RTE 21	19520.16	36	78080.64	
51.938	52.097	RTE 21	839.52	VARIES	3997.56	CENTER TURN LANE
52.097	52.169	RTE 21	380.16	36	1520.64	
52.169	52.322	RTE 21	807.84	VARIES	3891.33	CENTER TURN LANE
52.322	54.895	RTE 21	13585.44	36	54341.76	
54.895	54.958	RTE 21	332.64	-	-	BRIDGE A5347 EXCEPTION
54.958	56.751	RTE 21	9467.04	36	37868.16	
56.751	56.948	RTE 21	1040.16	40	4622.93	
56.948	57.178	RTE 21	1214.4	VARIES	8424.21	RTE E AND 21 INTERSECTION
57.178	58.348	RTE 21	6177.6	40	27456.00	
58.348	58.402	RTE 21	285.12	VARIES	1832.54	RTE 8 AND 21 INTERSECTION
58.402	58.467	RTE 21	343.2	-	-	RTE 8 AND 21 INTERSECTION EXCEPTION
58.467	58.498	RTE 21	163.68	VARIES	736.46	RTE 8 AND 21 INTERSECTION
58.498	58.658	RTE 21	844.8	38	3566.93	
58.658	58.738	RTE 21	422.4	VARIES	1832.54	MEMORIAL DRIVE INTERSECTION
58.738	59.278	RTE 21	2851.2	36	11404.80	
59.278	67.040	RTE 21	40983.36	28	127503.79	
67.040	67.796	RTE 21	3991.68	-	-	CONCRETE AND BRIDGE A4475 EXCEPTION
67.796	72.239	RTE 21	23459.04	28	72983.68	
72.239	72.278	RTE 21	205.92	-	-	BRIDGE A4388 EXCEPTION
72.278	72.841	RTE 21	2972.64	28	9248.21	
72.841	73.058	RTE 21	1145.76	30	3819.20	
73.058	73.082	RTE 21	126.72	-	-	BRIDGE B0472 EXCEPTION
73.082	74.973	RTE 21	9984.48	30	33281.60	END PROJECT
	43.442	RTE 21	55.00	VARIES	417.61	RTE 104 AND 21 INTERSECTION
	44.104	RTE 21	56.08	VARIES	356.50	RTE CC AND 21 INTERSECTION
	44.831	RTE 21	40.37	VARIES	254.73	RTE 104 AND 21 INTERSECTION
	47.342	RTE 21	71.68	VARIES	632.87	RTE 47 AND 21 INTERSECTION
	52.266	RTE 21	67.83	VARIES	314.10	RTE 47 AND 21 INTERSECTION
	68.286	RTE 21	55.06	VARIES	295.12	RTE M AND 21 INTERSECTION
	69.812	RTE 21	78.48	VARIES	416.50	RTE C AND 21 INTERSECTION
	74.949	RTE 21	112.34	VARIES	743.85	RTE 32 AND 21 INTERSECTION
	70.682	RTE 21	143.07	VARIES	1355.51	RTE 32 AND 21 INTERSECTION
				TOTAL	603975.27	
				USE	603975	

BITUMINOUS RUMBLE STRIPS						
LOG MILE	LOG MILE	LENGTH MILE	LOCATION	CENTERLINE LENGTH STA	SHOULDER LENGTH STA	REMARKS
42.701	47.974	5.273	RTE 21	278.41	556.83	BEGIN PROJECT
47.974	48.012	0.038	RTE 21	-	-	BRIDGE A6973 EXCEPTION
48.012	54.895	6.883	RTE 21	363.42	726.84	
54.895	54.958	0.063	RTE 21	-	-	BRIDGE A5347 EXCEPTION
54.958	56.948	1.990	RTE 21	105.07	210.14	
56.948	57.178	0.230	RTE 21	-	-	RTE E INTERSECTION
57.178	57.740	0.562	RTE 21	29.67	59.35	
57.740	59.278	1.538	RTE 21	-	-	RTE 8 TO EDGE OF CITY LIMITS
59.278	67.040	7.762	RTE 21	409.83	819.67	
67.040	67.800	0.760	RTE 21	-	-	CONCRETE AND BRIDGE A4475 EXCEPTION
67.800	72.239	4.439	RTE 21	234.38	468.76	
72.239	72.278	0.039	RTE 21	-	-	BRIDGE A4388 EXCEPTION
72.278	72.841	0.563	RTE 21	29.73	59.45	TO COUNTY LINE
72.841	73.058	0.217	RTE 21	11.46	22.92	IRON COUNTY
73.058	73.082	0.024	RTE 21	-	-	BRIDGE B0472 EXCEPTION
73.082	74.973	1.891	RTE 21	99.84	199.69	END PROJECT
			TOTAL	1561.81	3123.65	*500 STA EST FOR ENTRANCES
			USE	1561.8	2623.7	SEE STD. 626.00

HIGH FRICTION SURFACE TREATMENT					
LOG MILE	LOG MILE	LOCATION	LENGTH FT	WIDTH FT	AREA SQ. YD.
50.413	50.555	ROUTE 21	749.76	24	1999.36
51.235	51.554	ROUTE 21	1684.32	24	4491.52
				TOTAL	6490.88
				USE	6491

STATE OF MISSOURI

YAHKUB R. SHEEB

NUMBER

PE-202601396

PROFESSIONAL ENGINEER

08/10/2026 3:39:20 PM

YAHKUB R. SHEEB - CIVIL

MO-PE-202601396

DATE PREPARED

8/10/2026

ROUTE

21

STATE

MO

DISTRICT

CD

SHEET NO.

3

COUNTY

WASHINGTON

JOB NO.

JCD0092

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

CLASS 2 HIGH BUILD PAINT W/ TYPE L BEADS						
LOG MILE	LOG MILE	LOCATION	LENGTH FT	4" YELLOW LF	4" WHITE LF	REMARKS
42.701	43.198	RTE 21	2624.16	5248.32	5248.32	DOUBLE YELLOW
43.198	43.378	RTE 21	950.4	1188	1900.8	SB PASSING ZONE
43.378	44.521	RTE 21	6035.04	12070.08	12070.08	DOUBLE YELLOW
44.521	44.661	RTE 21	739.2	924	1478.4	SB PASSING ZONE
44.661	44.680	RTE 21	100.32	200.64	200.64	DOUBLE YELLOW
44.680	44.821	RTE 21	744.48	930.6	1488.96	NB PASSING ZONE
44.821	47.239	RTE 21	12767.04	25534.08	25534.08	DOUBLE YELLOW
47.239	47.339	RTE 21	528	2112	1056	CENTER TURN LANE
47.339	47.399	RTE 21	316.8	633.6	950.4	CENTER TURN LANE
47.399	47.499	RTE 21	528	2112	1056	CENTER TURN LANE
47.499	47.859	RTE 21	1900.8	3801.6	3801.6	DOUBLE YELLOW
47.859	47.900	RTE 21	216.48	865.92	432.96	CENTER TURN LANE
47.900	47.940	RTE 21	211.2	422.4	633.6	CENTER TURN LANE
47.940	47.980	RTE 21	211.2	844.8	422.4	CENTER TURN LANE
47.980	48.559	RTE 21	3057.12	6114.24	6114.24	DOUBLE YELLOW
48.559	48.699	RTE 21	739.2	924	1478.4	SB PASSING ZONE
48.699	48.859	RTE 21	844.8	1056	1689.6	NB PASSING ZONE
48.859	49.575	RTE 21	3780.48	7560.96	7560.96	DOUBLE YELLOW
49.575	49.756	RTE 21	955.68	1194.6	1911.36	SB PASSING ZONE
49.756	49.876	RTE 21	633.6	158.4	1267.2	INTERMITTENT YELLOW
49.876	50.096	RTE 21	1161.6	1452	2323.2	NB PASSING ZONE
50.096	51.938	RTE 21	9725.76	19451.52	19451.52	DOUBLE YELLOW
51.938	51.977	RTE 21	205.92	823.68	411.84	CENTER TURN LANE
51.977	52.036	RTE 21	311.52	623.04	934.56	CENTER TURN LANE
52.036	52.097	RTE 21	322.08	1288.32	644.16	CENTER TURN LANE
52.097	52.179	RTE 21	432.96	865.92	865.92	DOUBLE YELLOW
52.179	52.219	RTE 21	211.2	844.8	422.4	CENTER TURN LANE
52.219	52.268	RTE 21	258.72	517.44	776.16	CENTER TURN LANE
52.268	52.322	RTE 21	285.12	1140.48	570.24	CENTER TURN LANE
52.322	53.081	RTE 21	4007.52	8015.04	8015.04	DOUBLE YELLOW
53.081	53.180	RTE 21	522.72	653.4	1045.44	SB PASSING ZONE
53.180	53.539	RTE 21	1895.52	473.88	3791.04	INTERMITTENT YELLOW
53.539	53.600	RTE 21	322.08	402.6	644.16	NB PASSING ZONE
53.600	54.158	RTE 21	2946.24	5892.48	5892.48	DOUBLE YELLOW
54.158	54.257	RTE 21	522.72	653.4	1045.44	NB PASSING ZONE
54.257	54.494	RTE 21	1251.36	2502.72	2502.72	DOUBLE YELLOW
54.494	54.654	RTE 21	844.8	1056	1689.6	SB PASSING ZONE
54.654	54.794	RTE 21	739.2	924	1478.4	NB PASSING ZONE
54.794	55.697	RTE 21	4767.84	9535.68	9535.68	DOUBLE YELLOW
55.697	55.857	RTE 21	844.8	1056	1689.6	SB PASSING ZONE
55.857	55.977	RTE 21	633.6	792	1267.2	NB PASSING ZONE
55.977	56.957	RTE 21	5174.4	10348.8	10348.8	DOUBLE YELLOW
56.957	57.018	RTE 21	322.08	1288.32	644.16	CENTER TURN LANE
57.018	57.118	RTE 21	528	1056	1584	CENTER TURN LANE
57.118	57.178	RTE 21	316.8	1267.2	633.6	CENTER TURN LANE
57.178	57.498	RTE 21	1689.6	3379.2	3379.2	DOUBLE YELLOW
57.498	57.778	RTE 21	1478.4	369.6	2956.8	INTERMITTENT YELLOW
57.778	57.959	RTE 21	955.68	1194.6	1911.36	NB PASSING ZONE
57.959	58.059	RTE 21	528.00	660.00	1056.00	SB PASSING ZONE
58.059	58.358	RTE 21	1578.72	3157.44	3157.44	DOUBLE YELLOW
58.358	58.398	RTE 21	211.20	844.80	422.40	CENTER TURN LANE
58.398	58.440	RTE 21	221.76	443.52	665.28	CENTER TURN LANE
			TOTAL	156870.12	168051.84	
			USE	156870	168052	

CLASS 1 PAVEMENT MARKING PAINT W/ TYPE P BEADS						
LOG MILE	LOG MILE	LOCATION	LENGTH FT	4" YELLOW LF	4" WHITE LF	REMARKS
58.44	58.598	RTE 22	834.24	1668.48	2502.72	CENTER TURN LANE
58.498	58.579	RTE 21	427.68	1710.72	855.36	CENTER TURN LANE
58.579	58.658	RTE 21	417.12	834.24	1251.36	CENTER TURN LANE
58.658	58.738	RTE 21	422.40	1689.60	844.80	CENTER TURN LANE
58.738	58.758	RTE 21	105.60	211.20	211.20	DOUBLE YELLOW
58.758	58.898	RTE 21	739.20	924.00	1478.40	SB PASSING ZONE
58.898	59.078	RTE 21	950.40	237.60	1900.80	INTERMITTENT YELLOW
59.078	59.238	RTE 21	844.80	1056.00	1689.60	NB PASSING ZONE
59.238	59.378	RTE 21	739.20	924.00	1478.40	SB PASSING ZONE
59.378	59.898	RTE 21	2745.60	686.40	5491.20	INTERMITTENT YELLOW
59.898	60.018	RTE 21	633.60	792.00	1267.20	NB PASSING ZONE
60.018	60.078	RTE 21	316.80	633.60	633.60	DOUBLE YELLOW
60.078	60.238	RTE 21	844.80	1056.00	1689.60	SB PASSING ZONE
60.238	60.638	RTE 21	2112.00	528.00	4224.00	INTERMITTENT YELLOW
60.638	60.778	RTE 21	739.20	924.00	1478.40	NB PASSING ZONE
60.778	62.857	RTE 21	10977.12	21954.24	21954.24	DOUBLE YELLOW
62.857	63.017	RTE 21	844.80	1056.00	1689.60	SB PASSING ZONE
63.017	63.057	RTE 21	211.20	422.40	422.40	DOUBLE YELLOW
63.057	63.177	RTE 21	633.60	792.00	1267.20	NB PASSING ZONE
63.177	65.042	RTE 21	9847.20	19694.40	19694.40	DOUBLE YELLOW
65.042	65.223	RTE 21	955.68	1194.60	1911.36	SB PASSING ZONE
65.223	65.502	RTE 21	1473.12	368.28	2946.24	INTERMITTENT YELLOW
65.502	65.662	RTE 21	844.80	1056.00	1689.60	NB PASSING ZONE
65.662	68.020	RTE 21	12450.24	24900.48	24900.48	DOUBLE YELLOW
68.020	68.240	RTE 21	1161.60	1452.00	2323.20	SB PASSING ZONE
68.240	68.501	RTE 21	1378.08	1722.60	2756.16	NB PASSING ZONE
68.501	68.661	RTE 21	844.80	1689.60	1689.60	DOUBLE YELLOW
68.661	68.801	RTE 21	739.20	924.00	1478.40	SB PASSING ZONE
68.801	68.960	RTE 21	839.52	1049.40	1679.04	NB PASSING ZONE
68.960	72.819	RTE 21	20375.52	40751.04	40751.04	DOUBLE YELLOW
72.819	72.998	RTE 21	945.12	1181.40	1890.24	SB PASSING ZONE
72.998	73.138	RTE 21	739.20	184.80	1478.40	INTERMITTENT YELLOW
73.138	73.278	RTE 21	739.20	924.00	1478.40	NB PASSING ZONE
73.278	73.378	RTE 21	528.00	660.00	1056.00	SB PASSING ZONE
73.378	73.498	RTE 21	633.60	158.40	1267.20	INTERMITTENT YELLOW
73.498	73.697	RTE 21	1050.72	1313.40	2101.44	NB PASSING ZONE
73.697	73.837	RTE 21	739.20	924.00	1478.40	SB PASSING ZONE
73.837	73.877	RTE 21	211.20	52.80	422.40	INTERMITTENT YELLOW
73.877	74.057	RTE 21	950.40	1188.00	1900.80	NB PASSING ZONE
74.057	74.198	RTE 21	744.48	1488.96	1488.96	DOUBLE YELLOW
74.198	74.278	RTE 21	422.40	528.00	844.80	SB PASSING ZONE
74.278	74.338	RTE 21	316.80	633.60	633.60	DOUBLE YELLOW
74.338	74.398	RTE 21	316.80	396.00	633.60	NB PASSING ZONE
74.398	74.438	RTE 21	211.20	52.80	422.40	INTERMITTENT YELLOW
74.438	74.559	RTE 21	638.88	798.60	1277.76	SB PASSING ZONE
74.559	74.698	RTE 21	733.92	183.48	1467.84	INTERMITTENT YELLOW
74.698	74.798	RTE 21	528.00	660.00	1056.00	NB PASSING ZONE
74.798	74.973	RTE 21	924.00	231.00	1848.00	INTERMITTENT YELLOW
			TOTAL	144462.12	176895.84	
			USE	144462	176896	

TEMPORARY PAVEMENT MARKING
1 LUMP SUM

STATE OF MISSOURI

YAKHUB R. SHEBIB

NUMBER
PE-2026010396

PROFESSIONAL ENGINEER

08/10/2026 3:40:34 PM

YAKHUB R. SHEBIB - CIVIL

MO-PE-2026010396

DATE PREPARED

8/10/2026

ROUTE
21

STATE
MO

DISTRICT
CD

SHEET NO.
3

COUNTY
WASHINGTON

JOB NO.
JCD0092

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)

MoDOT

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	RELOC	RELOC	SIGN	DESCRIPTION	ITEM	TOTAL	EFFECTIVE: 07-01-2025	
																				NUMBER	QTY
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	2	20.00			1	ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	2	16.00			26	END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50	1	4.50			53	PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75	2	17.50				PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50	8	12.00				PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)	
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)	
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)	
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6123001		TRUCK MOUNTED ATTENUATOR (TMA)	
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)	
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161022		CHANNELIZER (CONE)	
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161025	200*	CHANNELIZER (TRIM-LINE)	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161026		CHANNELIZER (VERTICAL PANEL)	
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030	3*	TYPE 3 MOVEABLE BARRICADE	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033		DIRECTION INDICATOR BARRICADE	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00						SPEED LIMIT XX	6161040	2*	FLASHING ARROW PANEL	
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161070		TUBULAR MARKER	
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT			CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25	2	12.50			3	RIGHT LANE MUST TURN RIGHT	6161096		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161098A		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00	2	24.00			42	KEEP RIGHT (HORIZONTAL ARROW)	6161099	2	WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6162002		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY			TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6173600D		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED	
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED	
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6173700B		RELOCATING TEMP. TRAFFIC BARRIER	
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)			RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS	
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED			RELOCATING TEMP. TRAFFIC BARRIER HEIGHT	
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)									SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	6173706		TEMPORARY RAISED PAVEMENT MARKER	
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6174000A		TEMPORARY TRAFFIC SIGNALS	
WO8-6c	48X48	16.00						TRUCK ENTRANCE									ROAD CLOSED	6175010A		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-7	36X36	9.00						LOOSE GRAVEL	R9-11R	24X18	3.00						STOP HERE ON RED (45° ARROW)	6175011B			
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R10-6	24X36	6.00						ROAD CLOSED	6175013			
WO8-9	48X48	16.00						LOW SHOULDER	R11-2	48X30	10.00						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	6175020A			
WO8-11	48X48	16.00	64	1024.00			36	UNEVEN LANES	R11-3a	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC	6208064A			
WO8-12	48X48	16.00	34	544.00			35	NO CENTER LINE	R11-4	60X30	12.50						FINE SIGN	9029400			
WO8-15	48X48	16.00						GROOVED PAVEMENT	CONST-3A	60X48	20.00							9029401			
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)				
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	MISCELLANEOUS SIGNS									61699011LUMP SUM TEMPORARY TRAFFIC CONTROL (*ITEM INCLUDED)			
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-5	48X36	12.00						POINT OF PRESENCE				
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	CONST-5	96X48	32.00						POINT OF PRESENCE				
W10-1	42RND.	9.62						RAILROAD CROSSING	CONST-8	48X36	12.00	2	24.00			59	WORK ZONE NO PHONE ZONE				
WO12-1	24X24	4.00						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	10	160.00			2	ROAD/BRIDGE/RAMP WORK AHEAD	616-10.05				TOTAL		616-10.10						
WO20-2	48X48	16.00						DETOUR AHEAD	CONSTRUCTION SIGNS				2343*								
WO20-3	48X48	16.00						ROAD CLOSED AHEAD	616-10.10				TOTAL								
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD	RELOCATED SIGNS												
WO20-5	48X48	16.00	10	160.00				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	10	160.00			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	2	4.38			99	WET PAINT (ARROW PIVOTS)													

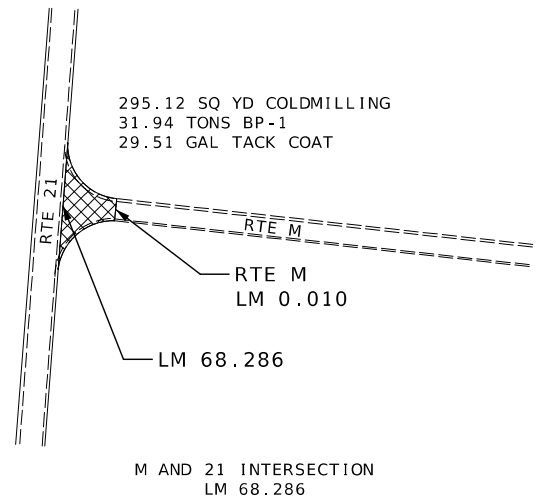
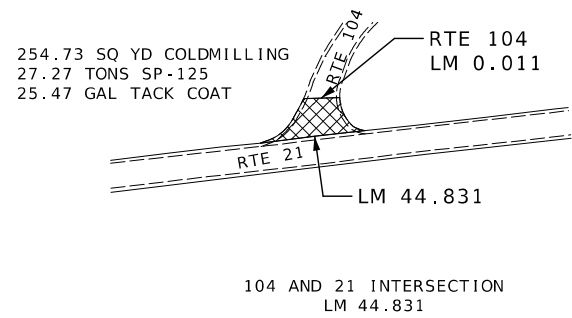
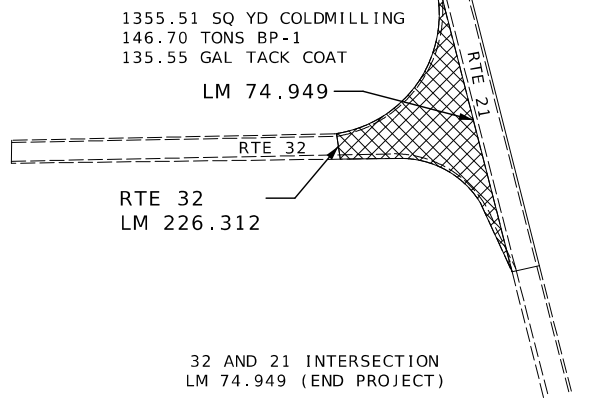
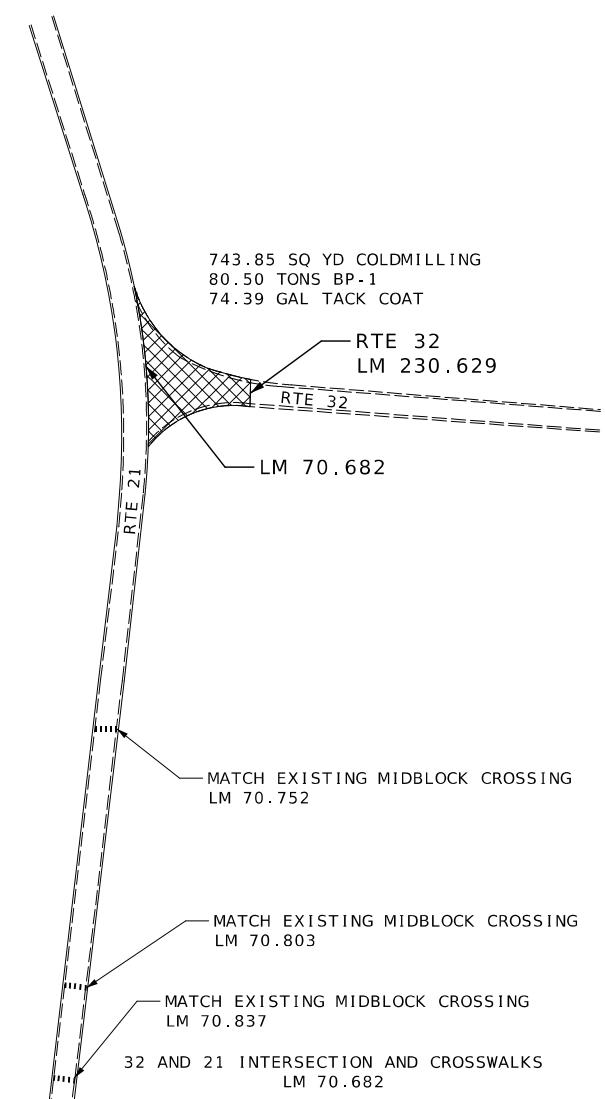
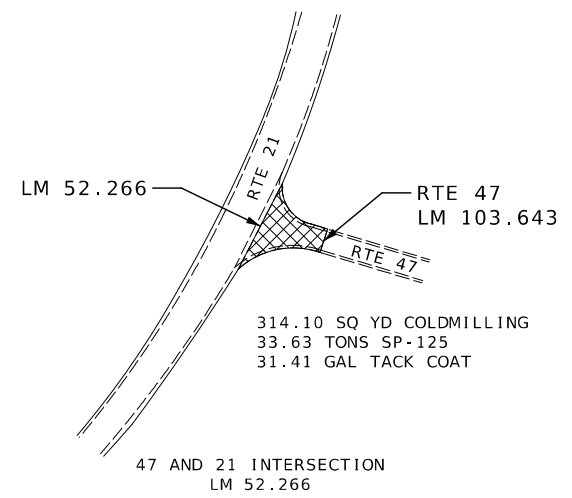
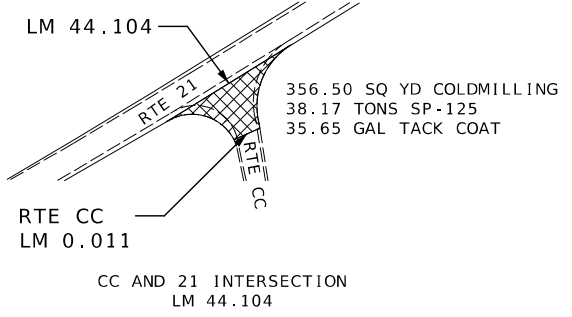
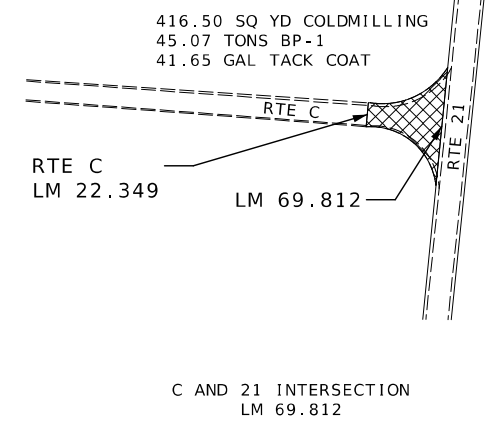
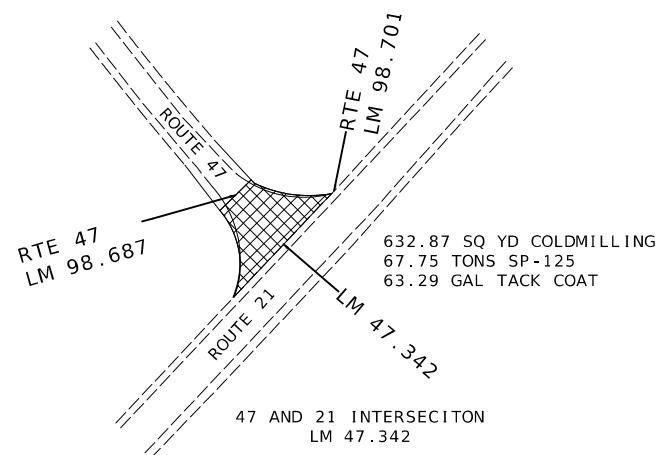
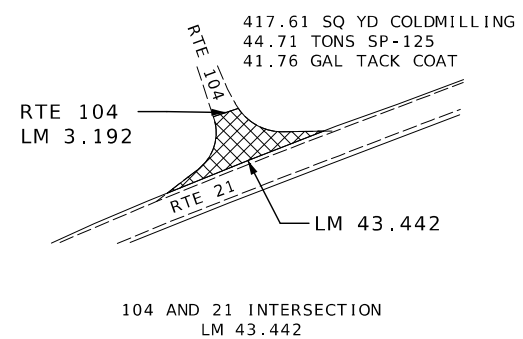
STATE OF MISSOURI
YAKHUB R. SHEBIB
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PE-2026001396
PROFESSIONAL ENGINEER
08/10/2026 3:40:07 PM
YAKHUB R. SHEBIB - CIVIL
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ROUTE 21 STATE MO
DISTRICT CD SHEET NO. 3
COUNTY WASHINGTON
JOB NO. JCD0092
CONTRACT 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)
MoDOT

SUMMARY OF QUANTITIES
SHEET 4 OF 4



INTERSECTIONS ALONG ROUTE 21
LM 43.442 TO LM 74.949

NOT TO SCALE

SPECIAL SHEET
SHEET 1 OF 3

STATE OF MISSOURI

YAKHUB R. SHEHIB

NUMBER

PE-202601396

PROFESSIONAL ENGINEER

08/10/2026 3:31:15 PM

YAKHUB R. SHEHIB - CIVIL

MO-PE-202601396

DATE PREPARED

8/10/2026

ROUTE

21

DISTRICT

CD

STATE

MO

SHEET NO.

4

COUNTY

WASHINGTON

JOB NO.

JCD0092

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

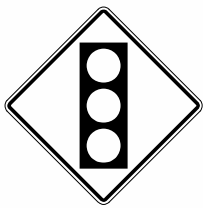
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

MoDOT

NOT TO SCALE



W3-3

1

TRAFFIC SIGNAL ADVANCE WARNING SIGN
LOG MILE 56.868
DRIVEN POST ANCHOR
INSTALL POST AND SIGN

4

RTE 21

SETTLE MILL RD

SIGNING
SPECIAL SHEET
SHEET 3 OF 3



08/10/2026 3:28:31 PM
YAKHUB R. SHEBIB - CIVIL
MO-PE-2026001396

DATE PREPARED

8/10/2026

ROUTE STATE

21 MO

DISTRICT SHEET NO.

CD 6

COUNTY

WASHINGTON

JOB NO.

JCD0092

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)

Sign Spacing, Device Spacing
and Channelizing Taper Lengths

SIGN SPACING (S) FOR ADVANCE SIGN SERIES (1) (2)		
SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	SA-1000 SB-1500 SC-2640

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
0-35	205	225	245	35	40
40-45	450	495	540	40	80
50-55	550	605	660	50	80
60-70	700	770	840	60	120

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

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

(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS

LONGITUDINAL BUFFER SPACE (B)	
SPEED MPH	BUFFER SPACE
0-35	250
40-45	360
50-55	495
60-70	730

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

L = $\frac{WS^2}{60}$ FOR 35 MPH OR LESS

FOR SHOULDER TAPER USE L/3

WHERE:

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED IN MPH

TRAFFIC CONTROL DEVICES

GENERAL NOTES:

- SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN
- EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
- CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

• SIGN (DOUBLE SIDED)

◁ FLAGGER

▲ DIRECTION INDICATOR BARRICADE

■ CHANNELIZER

E BARRICADE

CHANGEABLE MESSAGE BOARD

FLASHING ARROW PANEL

TMA (TRUCK MOUNTED ATTENUATOR) WITH FLASHING ARROW PANEL



08/10/2026 3:33:07 PM
YAHKHUB R. SHEBIB - CIVIL
MO-PE-2026001396

DATE PREPARED

8/10/2026

ROUTE 21 STATE MO

DISTRICT CD SHEET NO. 7

COUNTY

WASHINGTON

JOB NO.

JCD0092

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

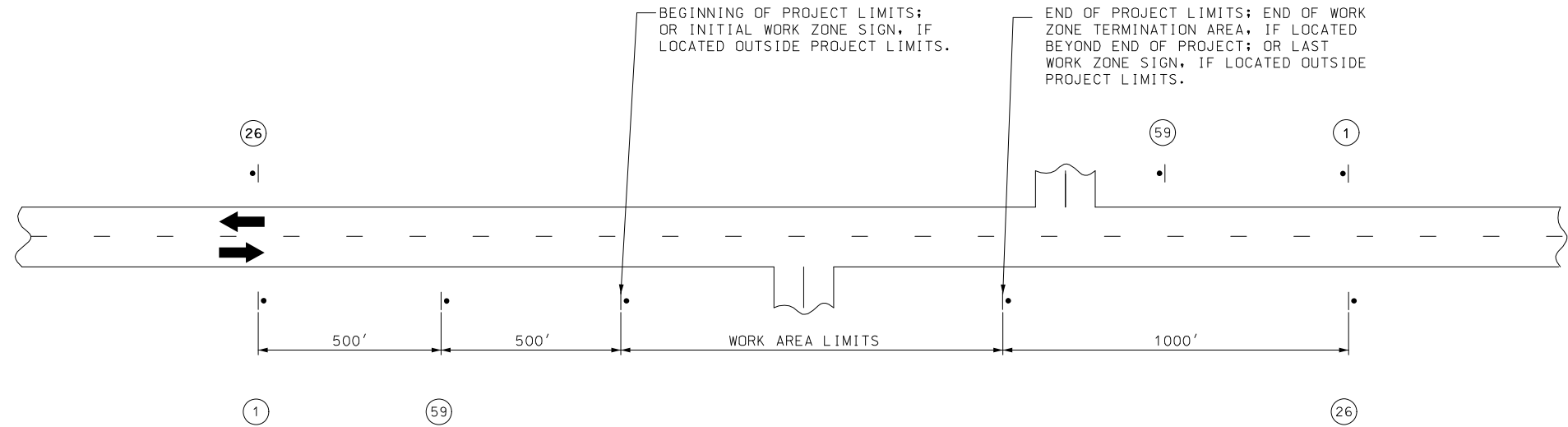
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

MODOT

TRAFFIC CONTROL SHEET 1 OF 10

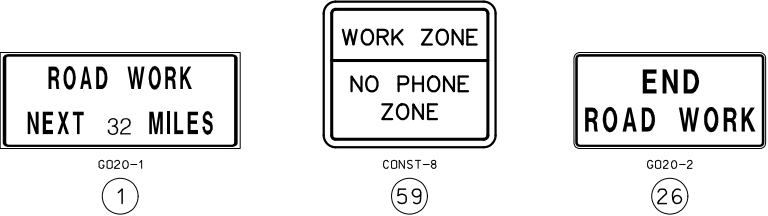


NOTES:

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.



YAHKUB R. SHEBIB - CIVIL
MO-PE-202601396
DATE PREPARED

8/10/2026

ROUTE 21 STATE MO

DISTRICT CD SHEET NO. 8

COUNTY WASHINGTON

JOB NO. JCD0092

CONTRACT ID.

PROJECT NO.

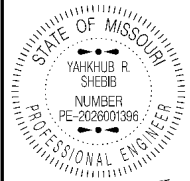
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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YAKHUB R. SHEHIB - CIVIL
MO-PE-202601396

DATE PREPARED
8/10/2026

ROUTE 21 STATE MO

DISTRICT CD SHEET NO. 9

COUNTY WASHINGTON

JOB NO. JCD0092

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)

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

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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



W020-1

2



W020-4

7



W020-7a

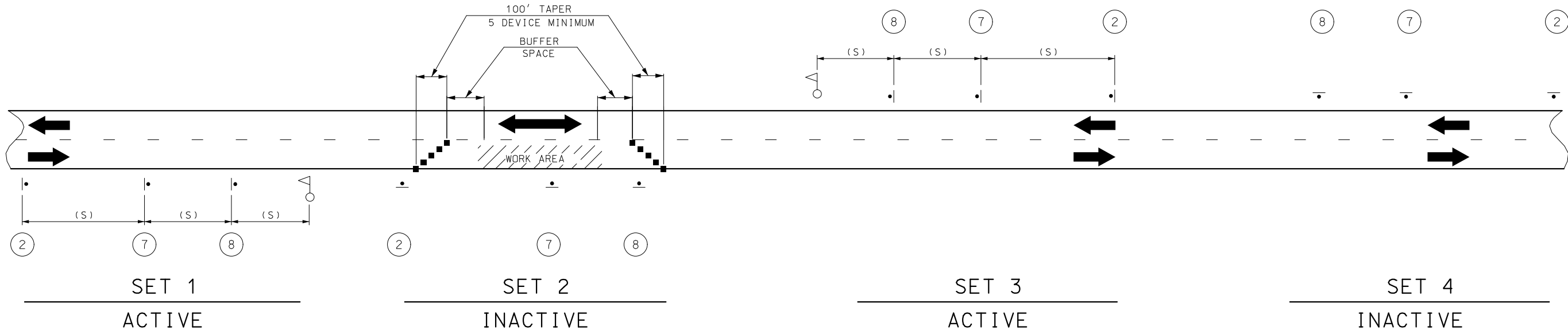
8



G020-4

53

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



NOTES:

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).

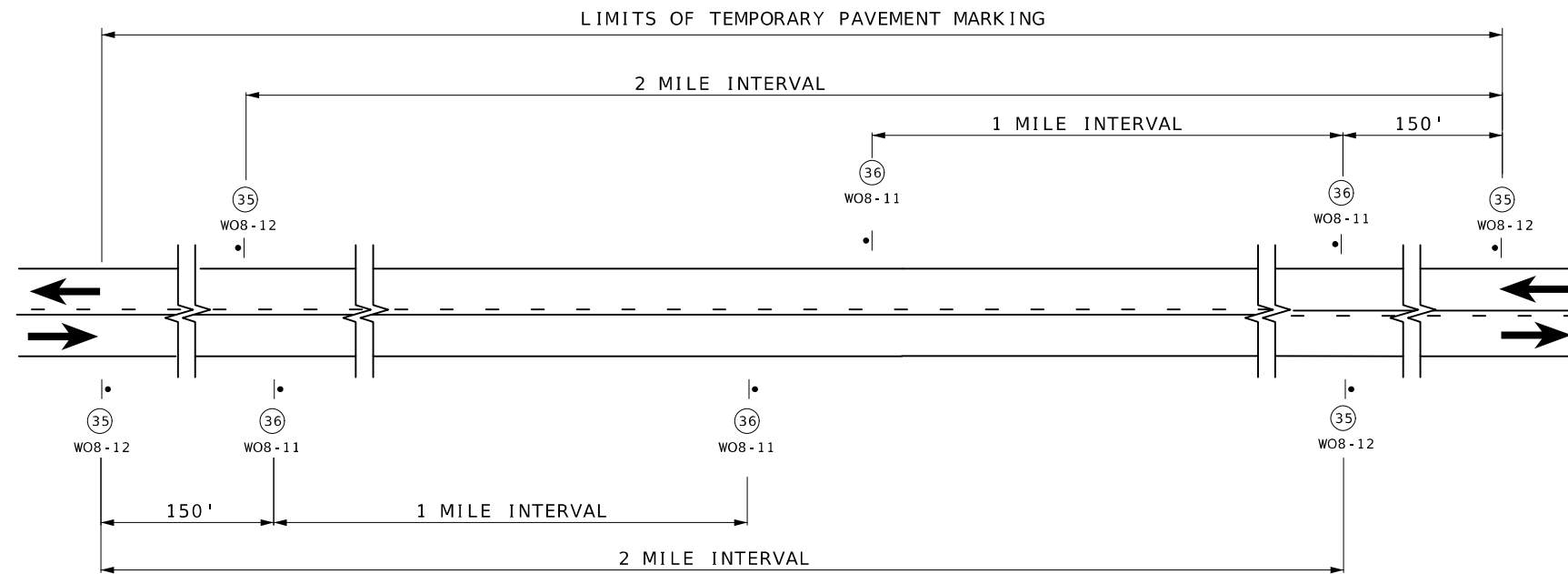
■ - CHANNELIZERS

○ - FLAGGER

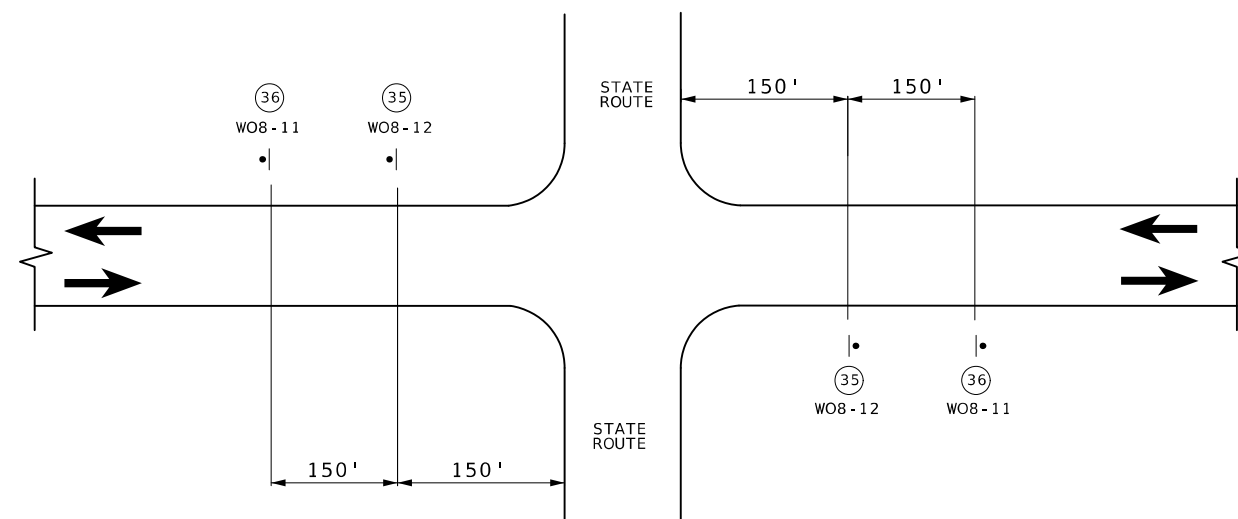
SPEED	SIGN SPACING (FT) (1)	BUFFER SPACE
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	LENGTH (FT)
0-35	200	250
40-45	350	360
50-55	500	495
60-70	1000	730

(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.



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

TRAFFIC CONTROL
SHEET 5 OF 10

SHEET 5 OF 10



08/10/2026 3:30:09 PM
YAKHUB R. SHEBIB - CIVIL
MO-PE-2026001396
DATE PREPARED

8/10/2026

ROUTE	STATE
21	MO

21	MO
DISTRICT	SHEET NO.
GD	11

CD	11
COUNTY	

WASHINGTON

JOB NO.
JCD0092

CONTRACT ID.

PROJECT NO.

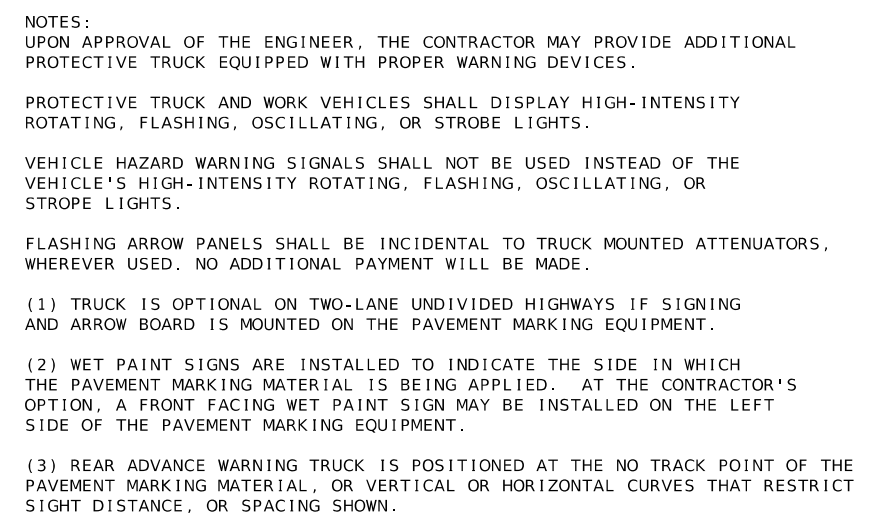
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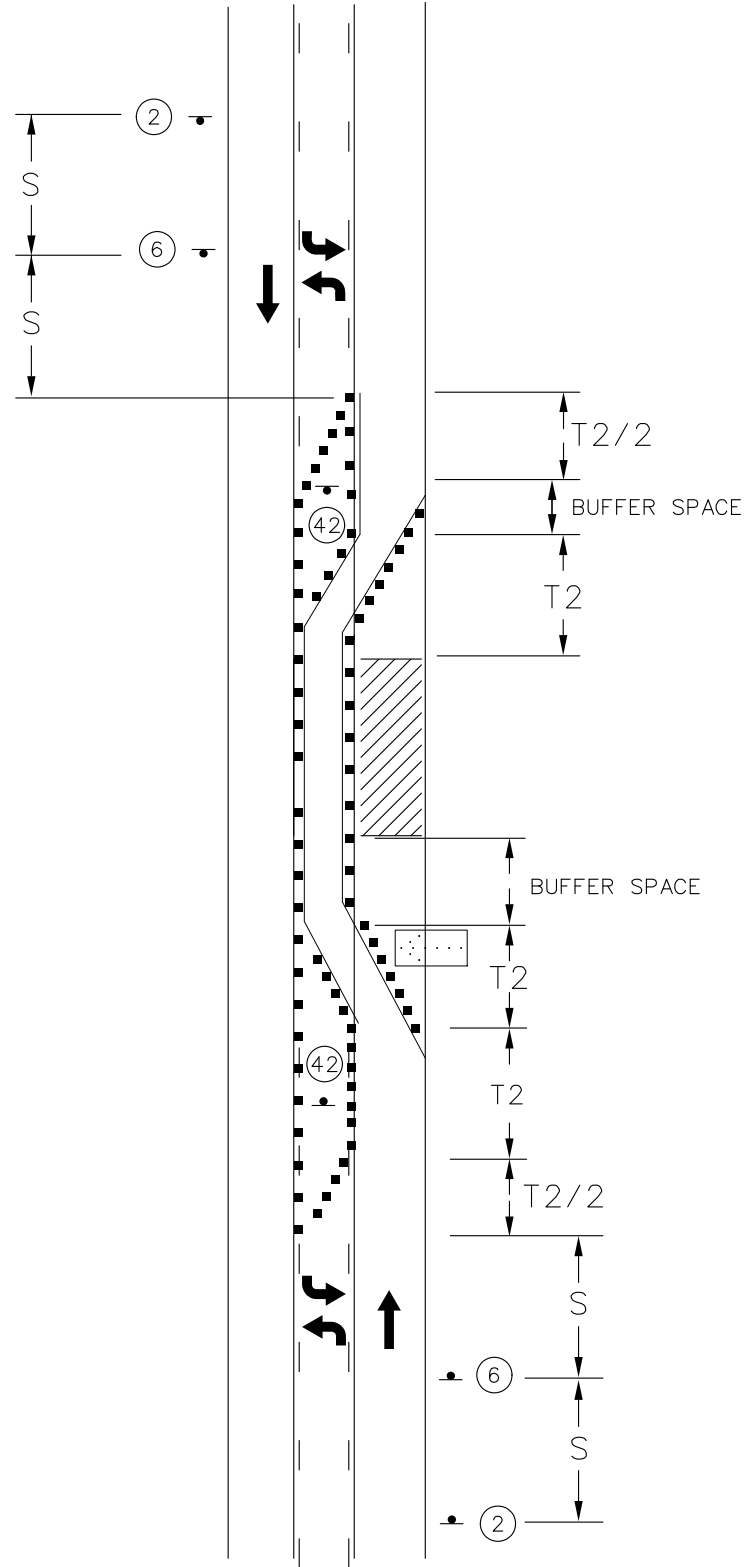
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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JEFFERSON CITY, MO 65102
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LANE CLOSURE USING CENTER
TURN LANE - LANE SHIFT

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED
LIMIT GUIDELINES.

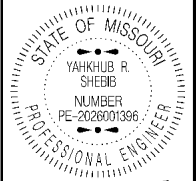
SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE
SPACING AND CHANNELIZING TAPER LENGTHS.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY
PAVEMENT MARKING, DEVICE SPACINGS ARE 1/2 OF THE SPACING.



NOT TO SCALE

TRAFFIC CONTROL
SHEET 7 OF 10



DATE PREPARED
8/10/2026

ROUTE 21	STATE MO
DISTRICT CD	SHEET NO. 13

COUNTY
WASHINGTON

JOB NO.
JCD0092

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

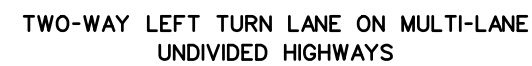
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

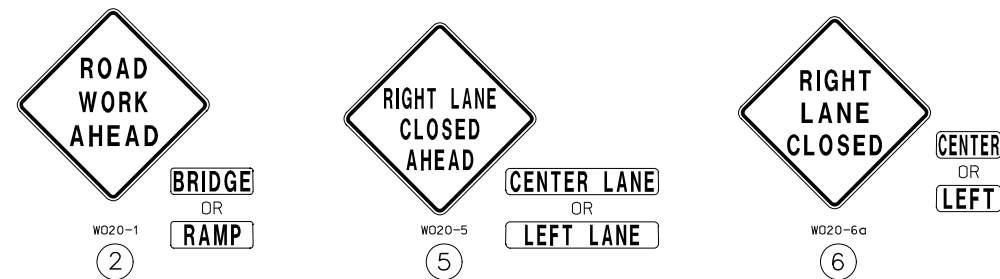
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
LANE CLOSURE USING CENTER
TURN LANE - LANE SHIFT
SHEET 10 OF 10



TRAFFIC CONTROL
SHEET 8 OF 10

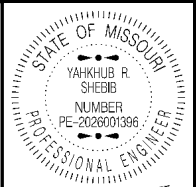
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TRAFFIC CONTROL LEGEND

	SIGN (SINGLE SIDED)
	FLASHING ARROW BOARD
	CHANNELIZER
	TYPE 3 BARRICADE

TRAFFIC CONTROL
SHEET 9 OF 10



08/10/2026 3:34:28 PM
YAKHUB R. SHEBIB - CIVIL
MO-PE-2026001396
DATE PREPARED

8/10/2026

ROUTE	STATE
21	MO

DISTRICT	SHEET NO.
21	15

CD	15
COUNTY	

WASHINGTON

JOB NO.
LCD0092

JCD0092
CONTRACT ID.

PROJECT NO.

PROJECT NO.

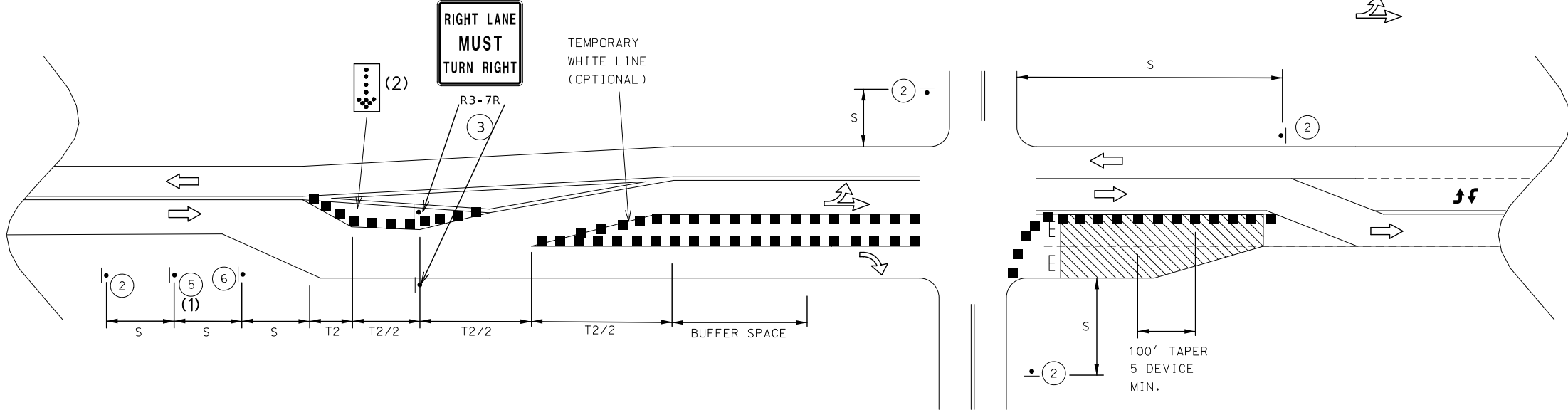
BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-2-75-6636)

LEFT LANE AT INTERSECTION
WORK ON FAR SIDE ONLY



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGNS, SPACING AND TAPER LENGTHS.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE 1/2 OF THE SPACING SHOWN ON SHEET 1.

ANY EXISTING SIGNS THAT CONFLICT WITH TRAFFIC CONTROL PLANS SHALL BE COMPLETELY COVERED DURING WORKING HOURS.

(1) SIGN 5 MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(2) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

NOT TO SCALE



WO20-1
(2)

BRIDGE
OR
RAMP

LEFT LANE AT INTERSECTION
WORK ON NEAR SIDE ONLY



WO20-6a
(6)

CENTER
OR
LEFT

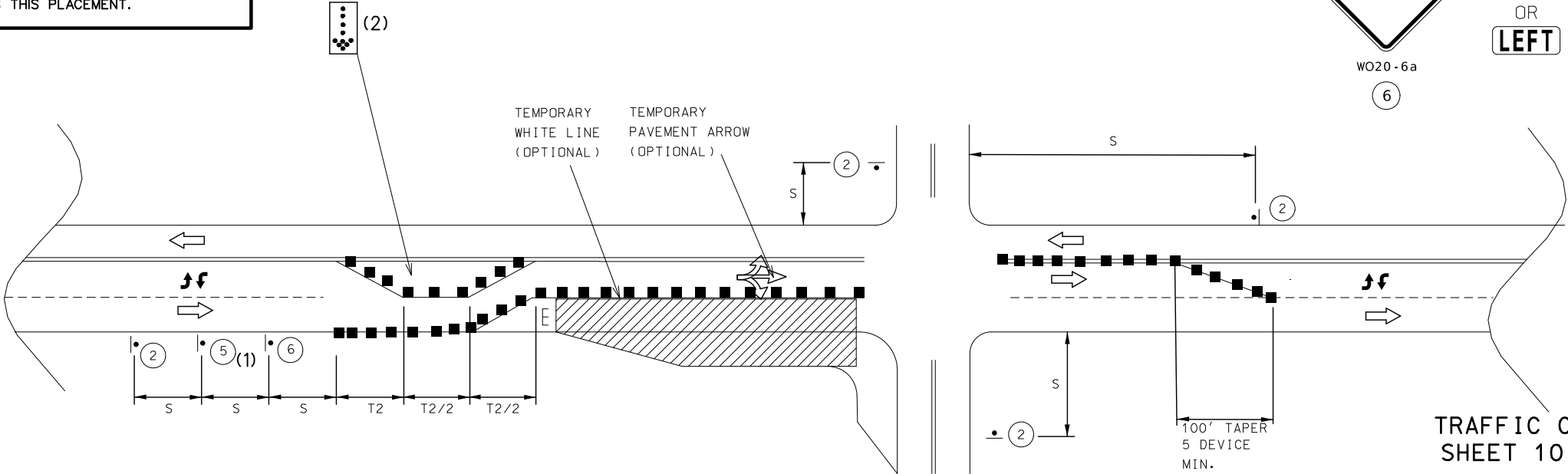
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLASHING ARROW BOARD
- CHANNELIZER
- E TYPE 3 BARRICADE



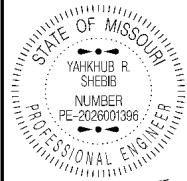
WO20-5
(5)

CENTER LANE
OR
LEFT LANE



NOT TO SCALE

TRAFFIC CONTROL
SHEET 10 OF 10



DATE PREPARED
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YAKHUB R. SHEHIB - CIVIL
MO-PE-202601396

8/10/2026

ROUTE 21 STATE MO

DISTRICT CD SHEET NO. 16

COUNTY WASHINGTON

JOB NO. JCD0092

CONTRACT ID.

PROJECT NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

MODOT