

DESIGN DESIGNATION

US 36 W-E/O RT EE
 A.A.D.T. - 2025 = 6718
 A.A.D.T. - 2045 = 8683
 T = 39.73%
 V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION- EXPRESSWAY

US 36 W-W/O RT T
 A.A.D.T. - 2025 = 5570
 A.A.D.T. - 2045 = 6258
 T = 43.21%
 V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION- EXPRESSWAY

US 36 W-W/O MO 15
 A.A.D.T. - 2025 = 5667
 A.A.D.T. - 2045 = 7279
 T = 38.13%
 V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION- EXPRESSWAY

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-
OVERHEAD CABLE TV	-OTV-
UNDERGROUND CABLE TV	-UTV-
OVERHEAD TELEPHONE	-OT-
UNDERGROUND TELEPHONE	-UT-
OVERHEAD POWER	-OE-
UNDERGROUND POWER	-UE-
SANITARY SEWER	-S-
STORM SEWER	-SS-
GAS	-G-
WATER	-W-
MANHOLE	SAN
FIRE HYDRANT	HYD
WATER VALVE	WV
WATER METER	WM
DROP INLET	DI
DITCH BLOCK	DB
GROUND MOUNTED SIGN	SIGN
LIGHT POLE	LP
H-FRAME POWER POLE	HFP
TELEPHONE PEDESTAL	PED
FENCE	
CHAIN LINK	V
WOVEN WIRE	X
GATE POST	X
BENCHMARK	BM

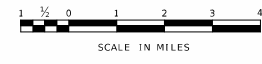
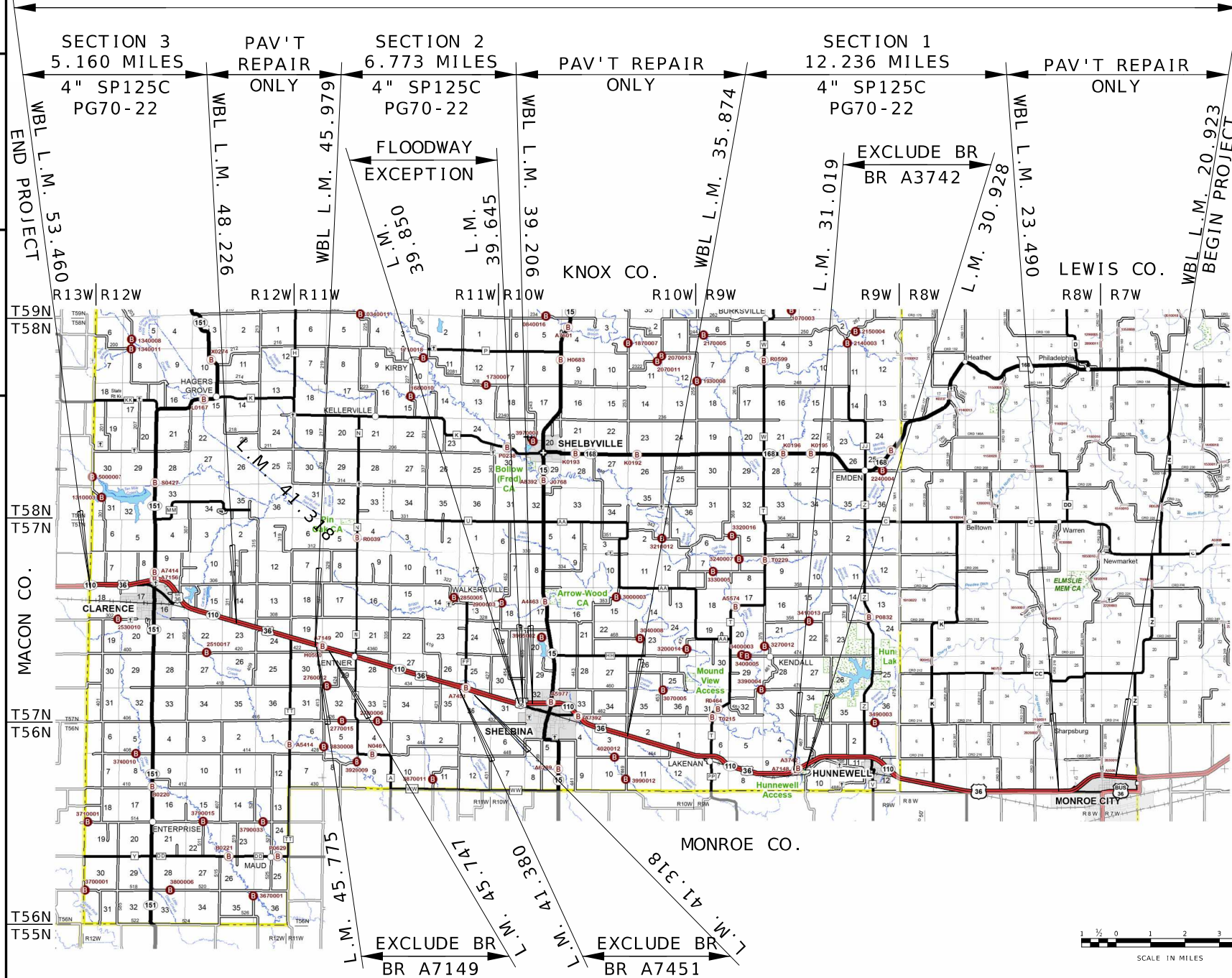
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
SHELBY & MARION COUNTY



T56N R8W-10W
 T57N R10W-12W

WBL RTE 36-TREATMENT



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) (2 SHEETS)	2
QUANTITIES (QU) (8 SHEETS)	3
SPECIAL SHEETS (SS) (5 SHEETS)	4-8
TRAFFIC CONTROL (TC) (9 SHEETS)	9-17
PAVEMENT MARKING (PM) (1 SHEET)	18



DATE PREPARED: 12/2/2024

ROUTE	STATE
36	MO
DISTRICT	SHEET NO.
NE	1

COUNTY: SHELBY/MARION
 JOB NO.: JNE0210
 CONTRACT ID:

PROJECT NO.:
 BRIDGE NO.:

DESCRIPTION	DATE

LENGTH OF PROJECT

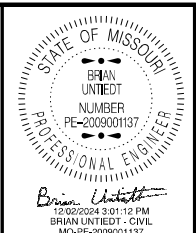
WBL US 36	
BEGINNING OF PROJECT	L.M. 20.923
END OF PROJECT	L.M. 53.460
APPARENT LENGTH	32.537 MILES
EQUATIONS AND EXCEPTIONS:	
BR A3742	0.091 MILES
FLOODWAY EXCEPTION	0.205 MILES
BR A7451	0.062 MILES
BR A7149	0.028 MILES
TOTAL CORRECTIONS	0.386 MILES
NET LENGTH OF PROJECT	32.151 MILES
STATE LENGTH	32.151 MILES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TITLESHEET

FOR INFORMATION ONLY
 ESTIMATED DISTURBED ACRES 0 ACRES

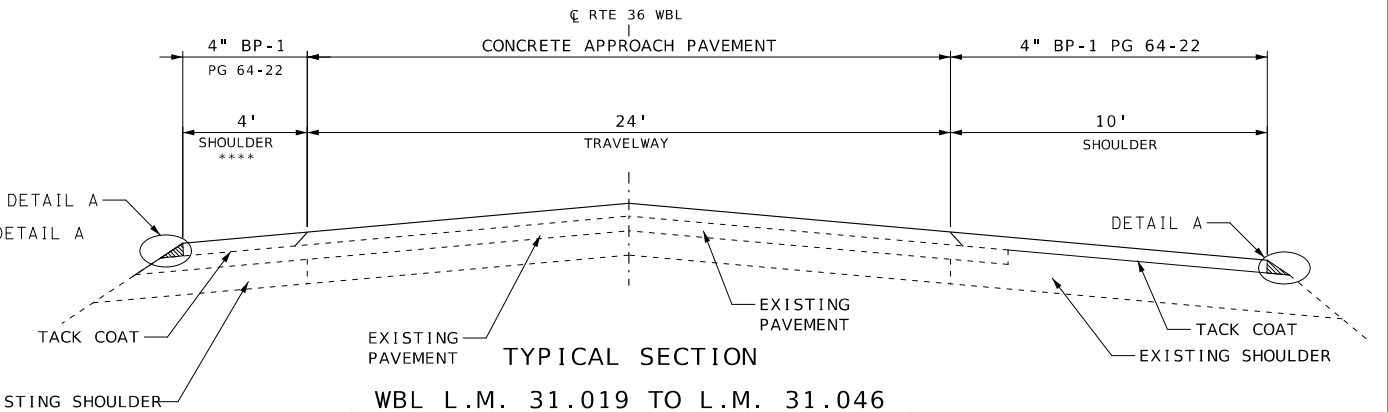
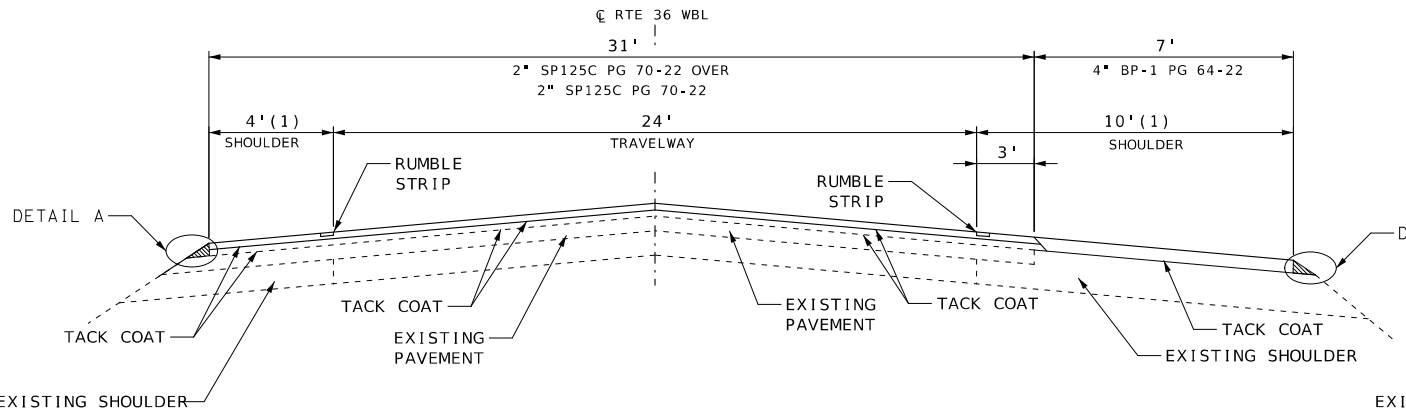


DATE PREPARED
12/2/2024
ROUTE 36 STATE MO
DISTRICT NE SHEET NO. 2
COUNTY SHELBY/MARION
JOB NO. JNE0210
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTION
SHEET 1 OF 1



TYPICAL SECTION

SECTION 1

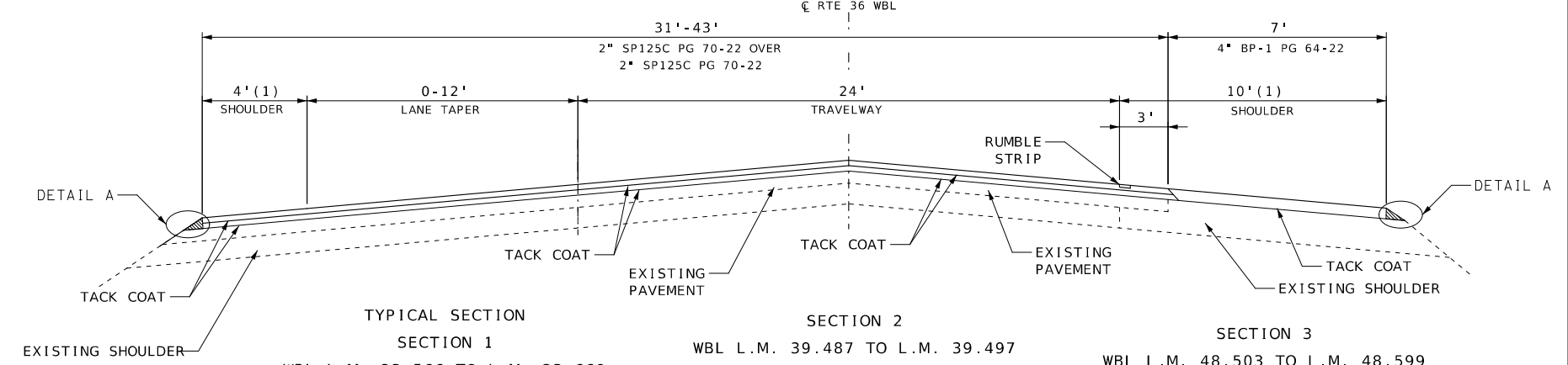
SECTION 2

SECTION 3

WBL L.M. 23.490 TO L.M. 23.566	WBL L.M. 48.226 TO L.M. 48.503	WBL L.M. 39.487 TO L.M. 39.497	WBL L.M. 48.503 TO L.M. 48.599
WBL L.M. 23.669 TO L.M. 24.582	WBL L.M. 48.599 TO L.M. 49.540	WBL L.M. 40.459 TO L.M. 40.560	WBL L.M. 49.540 TO L.M. 49.640
WBL L.M. 24.685 TO L.M. 25.567	WBL L.M. 49.640 TO L.M. 50.144	WBL L.M. 42.680 TO L.M. 42.779	WBL L.M. 50.144 TO L.M. 50.242
WBL L.M. 25.670 TO L.M. 26.581	WBL L.M. 50.242 TO L.M. 50.922	WBL L.M. 43.602 TO L.M. 43.703	WBL L.M. 52.613 TO L.M. 52.713
WBL L.M. 26.680 TO L.M. 27.902	WBL L.M. 51.075 TO L.M. 51.400	WBL L.M. 44.644 TO L.M. 44.748	WBL L.M. 53.333 TO L.M. 53.435
WBL L.M. 27.998 TO L.M. 28.785	WBL L.M. 51.559 TO L.M. 52.613	WBL L.M. 45.222 TO L.M. 45.324	
WBL L.M. 28.883 TO L.M. 29.789	WBL L.M. 52.713 TO L.M. 53.333		
WBL L.M. 29.887 TO L.M. 30.727	WBL L.M. 53.435 TO L.M. 53.460		
WBL L.M. 31.046 TO L.M. 31.661			
WBL L.M. 31.757 TO L.M. 32.710			
WBL L.M. 32.799 TO L.M. 33.548			
WBL L.M. 33.646 TO L.M. 34.561			
WBL L.M. 34.652 TO L.M. 35.874			

NOTES:
 ** EXCLUDE BRIDGE A7451
 *** EXCLUDE BRIDGE A7149

CONSTRUCTION METHODS SHALL MEET THE REQUIREMENTS OF STANDARD PLAN 619.10J



TYPICAL SECTION

SECTION 1

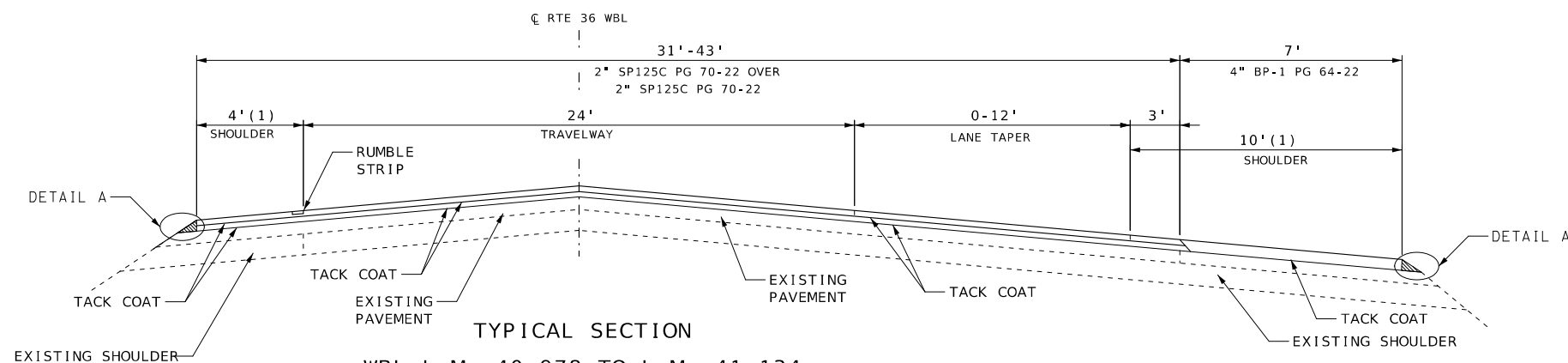
SECTION 2

SECTION 3

WBL L.M. 23.566 TO L.M. 23.669	WBL L.M. 39.487 TO L.M. 39.497	WBL L.M. 48.503 TO L.M. 48.599
WBL L.M. 24.582 TO L.M. 24.685	WBL L.M. 40.459 TO L.M. 40.560	WBL L.M. 49.540 TO L.M. 49.640
WBL L.M. 25.567 TO L.M. 25.670	WBL L.M. 42.680 TO L.M. 42.779	WBL L.M. 50.144 TO L.M. 50.242
WBL L.M. 26.581 TO L.M. 26.680	WBL L.M. 43.602 TO L.M. 43.703	WBL L.M. 52.613 TO L.M. 52.713
WBL L.M. 27.902 TO L.M. 27.998	WBL L.M. 44.644 TO L.M. 44.748	WBL L.M. 53.333 TO L.M. 53.435
WBL L.M. 28.785 TO L.M. 28.883	WBL L.M. 45.222 TO L.M. 45.324	
WBL L.M. 29.789 TO L.M. 29.887		
WBL L.M. 30.727 TO L.M. 30.826		
WBL L.M. 31.661 TO L.M. 31.757		
WBL L.M. 32.710 TO L.M. 32.799		
WBL L.M. 33.548 TO L.M. 33.646		
WBL L.M. 34.561 TO L.M. 34.652		

(1) THE MAINLINE SP125C PG70-22 SHOULD BE EXTENDED ONTO SHOULDERS AT LEAST 3 FEET FOR GOOD LONGITUDINAL JOINT AND RUMBLE STRIPE PERFORMANCE. ANY REMAINING SHOULDER WIDTH THAT IS 3 FEET OR GREATER SHOULD UTILIZE BP-1 PG64-22 WITH A SEPARATE SHOULDER PAVING OPERATION AND PAY ITEM. IF THE REMAINING SHOULDER WIDTH IS LESS THAN 3 FEET; THEN THE MAINLINE TREATMENT SHOULD ALSO BE APPLIED TO THE SHOULDER.

BITUMINOUS PAVEMENT MIXTURE SP125C PG70-22	1.927 TON/YD ³
BITUMINOUS PAVEMENT MIXTURE BP-1 PG64-22	1.948 TON/YD ³
(NEW ASPHALT) NON-TRACKING TACK	.05 GAL/YD ²
(EXISTING ASPHALT & CONCRETE) NON-TRACKING TACK	.10 GAL/YD ²



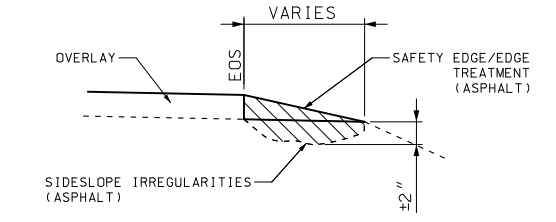
TYPICAL SECTION

SECTION 1

SECTION 2

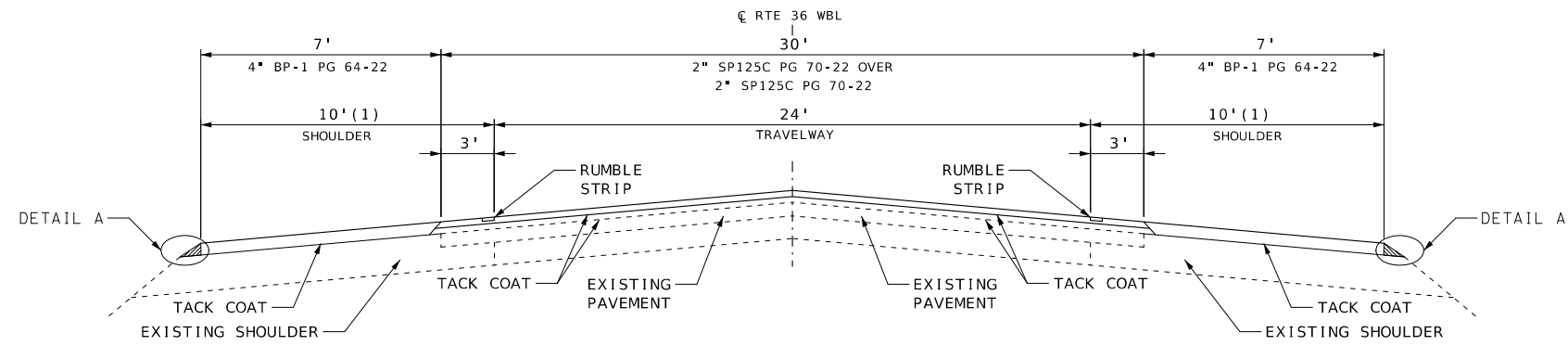
SECTION 3

WBL L.M. 40.978 TO L.M. 41.134		
WBL L.M. 41.562 TO L.M. 41.722		
WBL L.M. 50.922 TO L.M. 51.075		
WBL L.M. 51.400 TO L.M. 51.559		



NOTE:
 THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL A



TYPICAL SECTION
SECTION 1

WBL L.M. 30.826 TO L.M. 30.928*

NOTES:
* EXCLUDE BRIDGE A3742

CONSTRUCTION MEDTHODS SHALL
MEET THE REQUIREMENTS OF
STANDARD PLAN 619.10J



DATE PREPARED
12/2/2024
ROUTE 36 STATE MO
DISTRICT NE SHEET NO. 2
COUNTY SHELBY/MARION
JOB NO. JNE0210
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TYPICAL SECTION
SHEET 1 OF 1

BITUMINOUS PAVEMENT MIXTURE SP125C PG70-22

SECTION 1

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	SP125C 70-22 @ 1.927 TONS/CY (TONS)	MODIFIED COLDMILLING (SY)	NT-TACK 0.10 GAL/SY (GAL)	NT-TACK 0.05 GAL/SY (GAL)	REMARKS	
23.490	23.566	WBL 36	400.00	4	31.0	295.0	1378	137.8	68.9	BEGIN OF ASPHALT SECTION	
23.566	23.604	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
23.604	23.669	WBL 36	345.00	4	43.0	352.9		164.8	82.4		
23.669	23.669	WBL 36	110.00	4 TO 2	25.0	49.1	306	30.6	15.3	CO. RD. 223 CROSSOVER	
23.669	24.582	WBL 36	4820.64	4	31.0	3555.2		1660.4	830.2		
24.582	24.620	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
24.620	24.685	WBL 36	345.00	4	43.0	352.9		164.8	82.4		
24.685	24.685	WBL 36	110.00	4 TO 2	25.0	49.1	306	30.6	15.3	CO. RD. 216 CROSSOVER	
24.685	25.567	WBL 36	4656.96	4	31.0	3434.5		1604.1	802.0		
25.567	25.605	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
25.605	25.670	WBL 36	345.00	4	43.0	352.9		164.8	82.4		
25.670	25.670	WBL 36	125.00	4 TO 2	25.0	55.8	347	34.7	17.4	RTE EE CROSSOVER	
25.670	26.581	WBL 36	4810.08	4	31.0	3547.4		1656.8	828.4		
26.581	26.619	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
26.619	26.680	WBL 36	320.00	4	43.0	327.4		152.9	76.4		
26.680	26.680	WBL 36	115.00	4 TO 2	25.0	51.3	319	31.9	16.0	RTE K CROSSOVER	
26.680	27.902	WBL 36	6452.16	4	31.0	4758.4		2222.4	1111.2		
27.902	27.938	WBL 36	190.00	4	31-43	167.2		78.1	39.1		
27.938	27.998	WBL 36	315.00	4	43.0	322.2		150.5	75.3		
27.998	27.998	WBL 36	115.00	4 TO 2	25.0	51.3	319	31.9	16.0	E BIRCH ST CROSSOVER	
27.998	28.785	WBL 36	4155.36	4	31.0	3064.6		1431.3	715.6		
28.785	28.823	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
28.823	28.883	WBL 36	315.00	4	43.0	322.2		150.5	75.3		
28.883	28.883	WBL 36	110.00	4 TO 2	25.0	49.1	306	30.6	15.3	RTE Z CROSSOVER	
28.883	29.789	WBL 36	4783.68	4	31.0	3527.9		1647.7	823.9		
29.789	29.827	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
29.827	29.887	WBL 36	315.00	4	43.0	322.2		150.5	75.3		
29.887	29.887	WBL 36	115.00	4 TO 2	25.0	51.3	319	31.9	16.0	CO. RD. 471 CROSSOVER	
29.887	30.727	WBL 36	4435.20	4	31.0	3270.9		1527.7	763.8		
30.727	30.765	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
30.765	30.826	WBL 36	320.00	4	43.0	327.4		152.9	76.4		
30.826	30.826	WBL 36	115.00	4 TO 2	25.0	51.3	319	31.9	16.0	OLD US 36 HWY CROSSOVER	
30.826	30.852	WBL 36	137.28	4	30.0	98.0		45.8	22.9	SEE SPECIAL SHEET 3 FOR SHOULDER PAVING DETAILS	
30.852	30.890	WBL 36	200.00	4 TO 2	30.0	72.7		66.7	33.3		
30.890	30.928	WBL 36	200.00	2	30.0	71.4	667	66.7		EXCLUDE BRIDGE A3742	
31.046	31.084	WBL 36	200.00	2	31.0	73.7	689	68.9			
31.084	31.122	WBL 36	200.00	2 TO 4	31.0	75.1		68.9	34.4		
31.122	31.661	WBL 36	2845.92	4	31.0	2098.8		980.3	490.1		
31.661	31.705	WBL 36	230.00	4	31-43	202.5		94.6	47.3		
31.705	31.757	WBL 36	275.00	4	43.0	281.3		131.4	65.7		
31.757	31.757	WBL 36	90.00	4 TO 2	25.0	40.1	250	25.0	12.5	PRIVATE ROAD CROSSOVER	
31.757	32.710	WBL 36	5031.84	4	31.0	3711.0		1733.2	866.6		
32.710	32.744	WBL 36	180.00	4	31-43	158.4		74.0	37.0		
32.744	32.799	WBL 36	290.00	4	43.0	296.7		138.6	69.3		
32.799	32.799	WBL 36	90.00	4 TO 2	25.0	40.1	250	25.0	12.5	PRIVATE FARM ENTRANCE CROSSOVER	
32.799	33.548	WBL 36	3954.72	4	31.0	2916.6		1362.2	681.1		
33.548	33.586	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
33.586	33.646	WBL 36	315.00	4	43.0	322.2		150.5	75.3		
33.646	33.646	WBL 36	115.00	4 TO 2	25.0	51.3	319	31.9	16.0	RTE T/PP CROSSOVER	
33.646	34.561	WBL 36	4831.20	4	31.0	3563.0		1664.1	832.0		
34.561	34.599	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
34.599	34.652	WBL 36	280.00	4	43.0	286.4		133.8	66.9		
34.652	34.652	WBL 36	105.00	4 TO 2	25.0	46.8	292	29.2	14.6	CO. RD. 451 CROSSOVER	
34.652	35.798	WBL 36	6050.88	4	31.0	4462.5		2084.2	1042.1		
35.798	35.874	WBL 36	400.00	4	31.0	295.0	1378	137.8	68.9	END OF ASPHALT SECTION	
23.490	35.874	WBL 36	65387.52	4	1.0	786.3				SAFETY EDGE/SIDESLOPE IRREGULARITIES LEFT SHOULDER	
						SUB-TOTAL		7764	23324.7	11594.7	

CONCRETE APPROACH PAVEMENT

LOG MILE	LOG MILE	LOCATION	CONCRETE APPROACH PAVEMENT S.Y.	REMARKS
31.019	31.046	WBL 36 - BR. A3742	386.67	SEE SPECIAL SHEET 3
45.775	45.781	WBL 36 - BR. A7149	141.00	SEE SPECIAL SHEET 4
TOTAL			527.7	

PAVEMENT EDGE TREATMENT

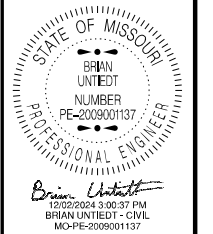
LOG MILE	LOG MILE	LOCATION	L.F.	REMARKS
31.019	31.046	WBL 36 - BR. A3742	290	EDGE TREATMENT AT CONCRETE APPROACH PAVEMENT, SEE SPECIAL SHEET 3
45.775	45.781	WBL 36 - BR. A7149	50	EDGE TREATMENT AT CONCRETE APPROACH PAVEMENT, SEE SPECIAL SHEET 4
TOTAL			340.00	

MOBILIZATION

1 LUMP SUM

TEMPORARY PAVEMENT MARKING PAINT

1 LUMP SUM



DATE PREPARED: **12/2/2024**

ROUTE: **36** STATE: **MO**

DISTRICT: **NE** SHEET NO.: **3**

COUNTY: **SHELBY/MARION**

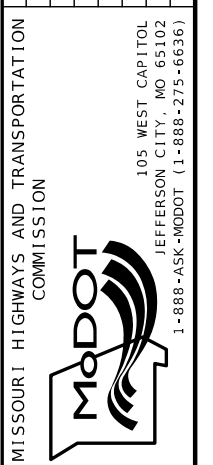
JOB NO.: **JNE0210**

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DATE	DESCRIPTION



QUANTITY SHEET
SHEET 1 OF 8

BITUMINOUS PAVEMENT MIXTURE SP125C PG70-22

SECTION 2

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	SP125C 70-22 @ 1.927 TONS/CY (TONS)	MODIFIED COLDMILLING (SY)	NT-TACK 0.10 GAL/SY (GAL)	NT-TACK 0.05 GAL/SY (GAL)	REMARKS
39.206	39.282	WBL 36	400.00	4	31.0	295.0	1378	137.8	68.9	BEGIN OF ASPHALT SECTION
39.282	39.487	WBL 36	1082.40	4	31.0	798.3		372.8	186.4	
39.487	39.497	WBL 36	52.80	4 TO 2	25.0	23.6	147	14.7	7.3	NORTH DOUGLAS AVE CROSSOVER
39.487	39.569	WBL 36	432.96	4	31.0	319.3		149.1	74.6	
39.569	39.607	WBL 36	200.00	4 to 2	31.0	75.1		68.9	34.4	
39.607	39.645	WBL 36	200.00	2	31.0	73.7	689	68.9	34.4	FLOODZONE EXCEPTION
39.850	39.888	WBL 36	200.00	2	31.0	73.7	689	68.9	34.4	
39.888	39.926	WBL 36	200.00	2 TO 4	31.0	75.1		68.9	34.4	
39.926	40.459	WBL 36	2814.24	4	31.0	2075.5		969.3	484.7	
40.459	40.497	WBL 36	200.00	4	31-43	176.0		82.2	41.1	
40.497	40.560	WBL 36	330.00	4	43.0	337.6		157.7	78.8	
40.535	40.560	WBL 36	130.00	4 TO 2	25.0	58.0	361	36.1	18.1	CO. RD. 427 CROSSOVER
40.560	40.978	WBL 36	2207.04	4	31.0	1627.7		760.2	380.1	
40.978	41.016	WBL 36	200.00	4	31-43	176.0		82.2	41.1	RTE FF DECEL LANE TAPER
41.016	41.094	WBL 36	410.00	4	43.0	419.4		195.9	97.9	RTE FF DECEL LANE
41.094	41.134	WBL 36	210.00	4	VARIES	263.9		123.2	61.6	GORE AREA
41.134	41.172	WBL 36	200.00	4 TO 2	18.0	44.6	200	40.0	20.0	EXIT RAMP RTE FF
41.134	41.242	WBL 36	570.24	4	31.0	420.5		196.4	98.2	
41.242	41.280	WBL 36	200.00	4 TO 2	31.0	75.1		68.9	34.4	
41.280	41.318	WBL 36	200.00	2	31.0	73.7		68.9	34.4	
41.380	41.418	WBL 36	200.00	2	31.0	73.7		68.9	34.4	EXCLUDE BRIDGE A7451
41.418	41.456	WBL 36	200.00	2 TO 4	31.0	75.1		68.9	34.4	
41.456	41.562	WBL 36	559.68	4	31.0	412.8		192.8	96.4	
41.562	41.524	WBL 36	200.00	4 TO 2	18.0	21.5	200	40.0	20.0	ENTRY RAMP RTE FF
41.562	41.603	WBL 36	216.48	4	VARIES	235.2		109.8	54.9	GORE AREA
41.603	41.662	WBL 36	311.52	4	43.0	318.7		148.8	74.4	RTE FF ACCEL LANE
41.662	41.722	WBL 36	316.80	4	43-31	278.9		130.2	65.1	RTE FF ACCEL LANE TAPER
41.722	42.680	WBL 36	5058.24	4	31.0	3730.4		1742.3	871.1	
42.680	42.718	WBL 36	200.00	4	31-43	176.0		82.2	41.1	
42.718	42.779	WBL 36	320.00	4	43.0	327.4		152.9	76.4	
42.762	42.779	WBL 36	90.00	4 TO 2	25.0	40.1	250	25.0	12.5	PRIVATE HOUSE CROSSOVER
42.779	43.602	WBL 36	4345.44	4	31.0	3204.7		1496.8	748.4	
43.602	43.640	WBL 36	200.00	4	31-43	176.0		82.2	41.1	
43.640	43.703	WBL 36	335.00	4	43.0	342.7		160.1	80.0	
43.680	43.703	WBL 36	120.00	4 TO 2	25.0	53.5	333	33.3	16.7	CO. RD. 335 CROSSOVER
43.703	44.644	WBL 36	4968.48	4	31.0	3664.2		1711.4	855.7	
44.644	44.682	WBL 36	200.00	4	31-43	176.0		82.2	41.1	
44.682	44.748	WBL 36	350.00	4	43.0	358.0		167.2	83.6	
44.725	44.748	WBL 36	120.00	4 TO 2	25.0	53.5	333	33.3	16.7	RTE A AND N CROSSOVER
44.748	45.222	WBL 36	2502.72	4	31.0	1845.7		862.0	431.0	
45.222	45.267	WBL 36	240.00	4	31-43	211.3		98.7	49.3	
45.267	45.324	WBL 36	300.00	4	43.0	306.9		143.3	71.7	
45.306	45.324	WBL 36	95.00	4 TO 2	25.0	42.4	264	26.4	13.2	TO RAILROAD CROSSING CROSSOVER
45.324	45.671	WBL 36	1832.16	4	31.0	1351.2		631.1	315.5	
45.671	45.709	WBL 36	200.00	4 TO 2	31.0	73.8	689	68.9	34.4	
45.709	45.747	WBL 36	200.00	2	31.0	73.7	689	68.9	34.4	EXCLUDE BRIDGE A7149
45.781	45.819	WBL 36	200.00	2	31.0	73.7	689	68.9	34.4	
45.819	45.857	WBL 36	200.00	2 TO 4	31.0	73.8	689	68.9	34.4	
45.857	45.903	WBL 36	242.88	4	31.0	179.1		83.7	41.8	
45.903	45.979	WBL 36	400.00	4	31.0	295.0	1378	137.8	68.9	
39.206	45.979	WBL 36	35761.44	4	1.0	430.0				SAFETY EDGE/SIDESLOPE IRREGULARITIES LEFT SHOULDER
SUB-TOTAL						26156.8	8978.0	12517.9	6258.2	

GUARDRAIL

LOG MILE	LOG MILE	LOCATION	(MASH) TYPE A CRASHWORTHY END TERMINAL EA.	MGS GUARDRAIL L.F.	MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB) EA.	SHAPING SLOPES CLASS III LENGTH 100 FT	REMARKS
30.890	30.928	WBL 36 - BR. A3752 RIGHT				2.00	ADDITIONAL SHAPING SLOPES QUANTITY AT END TERMINAL PROVIDED
30.890	30.928	WBL 36 - BR. A3752 LEFT				2.00	ADDITIONAL SHAPING SLOPES QUANTITY AT END TERMINAL PROVIDED
41.305	41.322	WBL 36 - BR. A7451 RIGHT	1	250	1	4.06	ADDITIONAL SHAPING SLOPES QUANTITY AT END TERMINAL PROVIDED
41.305	41.322	WBL 36 - BR. A7451 LEFT	1	337.5	1	4.96	ADDITIONAL SHAPING SLOPES QUANTITY AT END TERMINAL PROVIDED
45.734	45.751	WBL 36 - BR. A7149 RIGHT	1	250	1	4.11	ADDITIONAL SHAPING SLOPES QUANTITY AT END TERMINAL PROVIDED
45.734	45.751	WBL 36 - BR. A7149 LEFT	1	337.5	1	4.96	ADDITIONAL SHAPING SLOPES QUANTITY AT END TERMINAL PROVIDED
TOTALS			4	1175	4	23	

NOTE: EXCLUDE BR. A3742 GUARDRAIL AND BULLNOSE GUARDRAIL, INCLUDE SHAPING SLOPES AT BR. A3742



DATE PREPARED
12/2/2024
ROUTE 36 STATE MO
DISTRICT NE SHEET NO. 3
COUNTY SHELBY/MARION
JOB NO. JNE0210
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 MIXTURE SP125C PG70-22

SECTION 3

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	SP125C 70-22 @ 1.927 TONS/CY	MODIFIED COLDMILLING (SY)	NT-TACK 0.10 GAL/SY (GAL)	NT-TACK 0.05 GAL/SY (GAL)	REMARKS	
48.226	48.302	WBL 36	400.00	4	31.0	295.0	1378	137.8	68.9	BEGIN OF ASPHALT SECTION	
48.302	48.503	WBL 36	1061.28	4	31.0	782.7		365.6	182.8		
48.503	48.541	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
48.541	48.599	WBL 36	305.00	4	43.0	312.0		145.7	72.9		
48.581	48.599	WBL 36	95.00	4 TO 2	25.0	42.4	264	26.4	13.2	CO. RD. 311 CROSSOVER	
48.599	49.540	WBL 36	4968.48	4	31.0	3664.2		1711.4	855.7		
49.540	49.578	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
49.578	49.640	WBL 36	325.00	4	43.0	332.5		155.3	77.6		
49.618	49.640	WBL 36	115.00	4 TO 2	25.0	51.3	319	31.9	16.0	CO. RD. 309 CROSSOVER	
49.640	50.144	WBL 36	2661.12	4	31.0	1962.6		916.6	458.3		
50.144	50.182	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
50.182	50.242	WBL 36	315.00	4	43.0	322.2		150.5	75.3		
50.221	50.242	WBL 36	110.00	4 TO 2	25.0	49.1	306	30.6	15.3	BUS. 36 CROSSOVER	
50.242	50.922	WBL 36	3590.40	4	31.0	2647.9		1236.7	618.3		
50.922	50.960	WBL 36	200.00	4	31-43	176.0		82.2	41.1	RTE 151 DECEL LANE TAPER	
50.960	51.041	WBL 36	430.00	4	43.0	439.9		205.4	102.7	RTE 151 DECEL LANE	
51.041	51.075	WBL 36	180.00	4	VARIES	231.2		108.0	54.0	GORE AREA	
51.075	51.113	WBL 36	200.00	4 TO 2	18.0	44.6	200	40.0	20.0	RTE 151 EXIT RAMP	
51.075	51.400	WBL 36	1716.00	4	31.0	1265.5		591.1	295.5		
51.362	51.400	WBL 36	200.00	4 TO 2	18.0	44.6	200	40.0	20.0	RTE 151 ENTRY RAMP	
51.400	51.423	WBL 36	120.00	4	VARIES	136.7		63.8	31.9	GORE AREA	
51.423	51.514	WBL 36	480.00	4	43.0	491.0		229.3	114.7	RTE 151 ACCEL LANE	
51.514	51.559	WBL 36	240.00	4	43-31	211.3		98.7	49.3	RTE 151 ACCEL LANE TAPER	
51.559	52.613	WBL 36	5565.12	4	31.0	4104.2		1916.9	958.4		
52.613	52.656	WBL 36	225.00	4	31-43	198.1		92.5	46.3		
52.656	52.713	WBL 36	300.00	4	43.0	306.9		143.3	71.7		
52.694	52.713	WBL 36	100.00	4 TO 2	25.0	44.6	278	27.8	13.9	CO. RD. 301 CROSSOVER	
52.713	53.333	WBL 36	3273.60	4	31.0	2414.3		1127.6	563.8		
53.333	53.371	WBL 36	200.00	4	31-43	176.0		82.2	41.1		
53.371	53.384	WBL 36	68.64	4	43.0	70.2		32.8	16.4		
53.413	53.435	WBL 36	115.00	4 TO 2	25.0	51.3	319	31.9	16.0	FARM ROAD ACCESS CROSSOVER	
53.384	53.422	WBL 36	200.00	4 to 2	43.0	104.2		95.6	47.8		
53.422	53.435	WBL 36	68.64	2	43.0	35.1	328	32.8	16.4		
53.435	53.460	WBL 36	131.36	2	31.0	48.4	452	45.2	22.6	END OF ASPHALT SECTION	
48.226	53.460	WBL 36	27635.52	4	1.0	332.3				SAFETY EDGE/SIDESLOPE IRREGULARITIES LEFT SHOULDER	
						SUB-TOTAL	21916.3	4044	10242.2	5121.2	
						TOTAL	98316.5	20786.0	46084.8	22974.1	

STATE OF MISSOURI
 BRIAN UNTIEDT
 NUMBER
 PE-2009001137
 PROFESSIONAL ENGINEER
 Brian Untiedt
 12/22/2024 2:59:50 PM
 BRIAN UNTIEDT - CIVIL
 MO-PE-2009001137

DATE PREPARED
 12/22/2024
 ROUTE
 36
 STATE
 MO
 DISTRICT
 NE
 SHEET NO.
 3

COUNTY
 SHELBY/MARION
 JOB NO.
 JNE0210
 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)

TABLE	LOCATION	0.10 GAL/SY QUANTITY GAL	0.05 GAL/SY QUANTITY GAL	REMARKS
SP1125C	WBL 36	46084.80	22974.10	
BP-1	WBL 36	10947.70	5406.50	
SUBTOTAL		57032.5	28380.6	
TOTAL		85400.0		

TABLE	LOCATION	MODIFIED COLDMILLING (SY)	REMARKS
BITUMINOUS PAVEMENT MIXTURE SP125C PG70-22	WBL 36	20786.00	
BITUMINOUS PAVEMENT MIXTURE BP-1 64-22	WBL 36	8039.00	
TOTAL		28825.0	

TABLE	LOCATION	4" DEPTH COLDMILLING (SY)	REMARKS
BITUMINOUS PAVEMENT MIXTURE BP-1 64-22	WBL 36	274.00	
TOTAL		274.0	

LOG MILE	LOG MILE	SECTION	LOCATION	EDGE LINE QUANTITY STA.	RUMBLE TYPE	REMARKS
23.490	35.874	SEC 1	WBL 36	1307.75	EDGE LINE	BOTH SHOULDERS
39.206	45.979	SEC 2	WBL 36	715.23	EDGE LINE	BOTH SHOULDERS
48.226	53.460	SEC 3	WBL 36	552.71	EDGE LINE	BOTH SHOULDERS
				-345.70		EDGE LINE EXCEPTIONS (DRIVEWAYS, MEDIAN, BRIDGES & SIDEROADS)
				TOTAL	2230.0	

BITUMINOUS PAVEMENT MIXTURE BP-1 64-22

SECTION 1

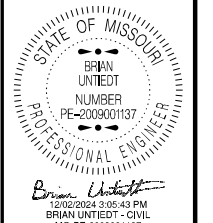
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	BP-1 64-22 @ 1.948 TONS/CY (TONS)	MODIFIED COLDMILLING (SY)	4" DEPTH COLDMILLING (SY)	NT-TACK 0.10 GAL/SY (GAL)	NT-TACK 0.05 GAL/SY (GAL)	REMARKS	
23.490	23.566	WBL 36 - RT	400.00	4	7.0	67.3	311		31.1	15.6	BEGIN OF ASPHALT SECTION	
23.566	30.852	WBL 36 - RT	38470.08	4	7.0	6476.3			2992.1	1496.1		
30.852	30.890	WBL 36 - RT	200.00	4 TO 2	7.0	17.1			15.6	7.8	SEE SPECIAL SHEET 3	
30.890	30.928	WBL 36 - RT	200.00	2	7.0	16.8	156		15.6		EXCLUDE BRIDGE A3742	
30.826	30.852	WBL 36 - LT	137.28	4	7.0	23.1			10.7	5.3	SEE SPECIAL SHEET 3	
30.852	30.890	WBL 36 - LT	200.00	4 TO 2	7.0	17.1			15.6	7.8	SEE SPECIAL SHEET 3	
30.890	30.928	WBL 36 - LT	200.00	2	7.0	16.8	156		15.6		EXCLUDE BRIDGE A3742	
31.019	31.046	WBL 36 - LT & RT	145.00	4	20-14	59.3		274	27.4	13.7	SEE SPECIAL SHEET 3	
31.046	31.084	WBL 36 - RT	200.00	2	7.0	16.8	156		15.6			
31.084	31.122	WBL 36 - RT	200.00	2 TO 4	7.0	17.1			15.6	7.8		
31.122	35.798	WBL 36 - RT	24689.28	4	7.0	4156.3			1920.3	960.1		
35.798	35.874	WBL 36 - RT	400.00	4	7.0	67.3	311		31.1	15.6	END OF ASPHALT SECTION	
23.490	35.874	WBL 36 - RT	65387.52	4	1.0	786.3					SAFETY EDGE/SIDESLOPE IRREGULARITIES RIGHT SHOULDER	
						SUB-TOTAL	11737.6	1090.0	274.0	5106.3	2529.8	

SECTION 2

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	BP-1 64-22 @ 1.948 TONS/CY (TONS)	MODIFIED COLDMILLING (SY)	4" DEPTH COLDMILLING (SY)	NT-TACK 0.10 GAL/SY (GAL)	NT-TACK 0.05 GAL/SY (GAL)	REMARKS	
39.206	39.282	WBL 36 -RT	400.00	4	7.0	67.3	311		31.1	15.6	BEGIN OF ASPHALT SECTION	
39.282	39.569	WBL 36 - RT	1515.36	4	7.0	255.1			117.9	58.9		
39.569	39.607	WBL 36 - RT	200.00	4 TO 2	7.0	17.1			15.6	7.8		
39.607	39.645	WBL 36 - RT	200.00	2	7.0	16.8	156		15.6		FLOODZONE EXCEPTION	
39.850	39.888	WBL 36 - RT	200.00	2	7.0	16.8	156		15.6			
39.888	39.926	WBL 36 - RT	200.00	2 TO 4	7.0	17.1			15.6	7.8		
39.926	40.978	WBL 36 - RT	5554.56	4	7.0	935.1			432.0	216.0		
40.978	41.016	WBL 36 - RT	200.00	4	7 TO 4	26.5			12.2	6.1	RTE FF DECEL LANE TAPER	
41.016	41.094	WBL 36 - RT	410.00	4	4.0	39.4			18.2	9.1	RTE FF DECEL LANE	
41.094	41.134	WBL 36 - RT	210.00	4	4.0	20.2			9.3	4.7	GORE AREA	
41.134	41.172	WBL 36 - RT	200.00	4 TO 2	4.0	9.7	44		8.9	4.4	EXIT RAMP RTE FF	
41.134	41.242	WBL 36 - RT	570.24	4	7.0	96.0			44.4	22.2		
41.242	41.280	WBL 36 - RT	200.00	4 TO 2	7.0	17.1			15.6	7.8		
41.280	41.318	WBL 36 - RT	200.00	2	7.0	16.8	156		15.6			
41.380	41.418	WBL 36 - RT	200.00	2	7.0	16.8	156		15.6		EXCLUDE BRIDGE A7451	
41.418	41.456	WBL 36 - RT	200.00	2 TO 4	7.0	17.1			15.6	7.8		
41.456	41.524	WBL 36 - RT	559.68	4	7.0	94.2			43.5	21.8		
41.524	41.562	WBL 36 - RT	200.00	4 TO 2	4.0	9.7	44		8.9	4.4	ENTRY RAMP RTE FF	
41.562	41.603	WBL 36 - RT	216.48	4	4.0	20.8			0.0	0.0	GORE AREA	
41.603	41.662	WBL 36 - RT	311.52	4	4.0	30.0			13.8	6.9	RTE FF ACCEL LANE	
41.662	41.722	WBL 36 - RT	316.80	4	4 TO 7	41.9			19.4	9.7	RTE FF ACCEL LANE TAPER	
41.722	45.671	WBL 36 - RT	20850.72	4	7.0	3510.1			1621.7	810.9		
45.671	45.709	WBL 36 - RT	200.00	4 TO 2	7.0	17.1	156		15.6	7.8		
45.709	45.747	WBL 36 - RT	200.00	2	7.0	16.8	156		15.6	7.8		
45.781	45.819	WBL 36 -RT	200.00	2	7.0	16.8	156		15.6	7.8	EXCLUDE BRIDGE A7149	
45.819	45.857	WBL 36 - RT	200.00	2 TO 4	7.0	0.0	156		15.6	7.8		
45.857	45.979	WBL 36 - RT	644.16	4	4.0	62.0			28.6	14.3		
39.206	45.747	WBL 36 - RT	34536.48	4	1.0	415.3					SAFETY EDGE/SIDESLOPE IRREGULARITIES RIGHT SHOULDER	
						SUB-TOTAL	5819.6	1647.0	0.0	2597.1	1267.4	

SECTION 3

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	BP-1 64-22 @ 1.948 TONS/CY (TONS)	MODIFIED COLDMILLING (SY)	4" DEPTH COLDMILLING (SY)	NT-TACK 0.10 GAL/SY (GAL)	NT-TACK 0.05 GAL/SY (GAL)	REMARKS	
48.226	48.302	WBL 36 - RT	400.00	4	7.0	66.6	311		31.1	15.6	BEGIN OF ASPHALT SECTION	
48.302	50.922	WBL 36 - RT	13833.60	4	7.0	2303.7			1075.9	538.0		
50.922	50.960	WBL 36 - RT	200.00	4	7 TO 4	26.5			12.2	6.1	RTE 151 DECEL LANE TAPER	
50.960	51.041	WBL 36 - RT	430.00	4	4.0	40.9			19.1	9.6	RTE 151 DECEL LANE	
51.041	51.075	WBL 36 - RT	180.00	4	4.0	17.1			0.0	0.0	GORE AREA	
51.075	51.113	WBL 36 - RT	200.00	4	4.0	19.0	44		8.9	4.4	RTE 151 EXIT RAMP	
51.075	51.400	WBL 36 - RT	1716.00	4	7.0	285.8			133.5	66.7		
51.362	51.400	WBL 36 - RT	200.00	4	4.0	19.0	44		8.9	4.4	RTE 151 ENTRY RAMP	
51.400	51.423	WBL 36 - RT	120.00	4	4.0	11.4			0.0	0.0	GORE AREA	
51.423	51.514	WBL 36 - RT	480.00	4	4.0	45.7			21.3	10.7	RTE 151 ACCEL LANE	
51.514	51.559	WBL 36 - RT	240.00	4	7 TO 4	31.7			14.7	7.3	RTE 151 ACCEL LANE TAPER	
51.559	53.384	WBL 36 - RT	9636.00	4	7.0	1604.7			749.5	374.7		
53.384	53.422	WBL 36 - RT	200.00	4 to 2	7.0	17.1			15.6	7.8		
53.422	53.460	WBL 36 - RT	200.00	2	7.0	16.7	156		15.6			
48.226	53.460	WBL 36 - RT	27635.52	4	1.0	332.3					END OF ASPHALT SECTION SAFETY EDGE/SIDESLOPE IRREGULARITIES RIGHT SHOULDER	
23.490	53.460	WBL 36 - RT	-	-	-	9202.9	5247		1138.0	564.0	SUBTOTAL PAVED ENTRANCES/SIDE ROADS	
						SUB-TOTAL	14041.1	5802.0	0.0	3244.3	1609.3	
						TOTAL	31598.3	8539.0	274.0	10947.7	5406.5	



DATE PREPARED
12/2/2024

ROUTE	STATE
36	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
SHELBY/MARION

JOB NO.
JNE0210

CONTRACT ID.


PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

QUANTITY SHEET
SHEET 4 OF 8

AGGREGATE ENTRANCES					
SECTION 1					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVG. TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
23.490	35.874	3	3.0	9.0	PRIVATE ENTRANCES, FIELD ENTRANCES
				4.0	MAILBOX TURNOUTS
				SUB-TOTAL	13.0

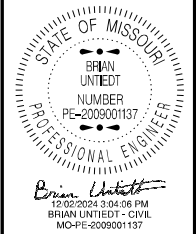
AGGREGATE ENTRANCES					
SECTION 2					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVG. TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
39.206	45.856	10	3.0	30.0	PRIVATE ENTRANCES, FIELD ENTRANCES
39.206	45.856	1	6.0	6.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
				3.0	MAILBOX TURNOUTS
				SUB-TOTAL	39.0

NOTE: PROVIDE GRAVEL FOR LENTHER, MO ENTRANCES ON RTE N.

AGGREGATE ENTRANCES					
SECTION 3					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVG. TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
48.226	53.460	2	3.0	6.0	PRIVATE ENTRANCES, FIELD ENTRANCES
				SUB-TOTAL	6.0
				TOTAL	58.0

REINSTALLING EXISTING SIGNS					
LOG MILE	LOCATION	BREAKAWAY ASSEMBLY (EA)	CONCRETE FOOTING EMBEDDED (CY)	36" SURFACE-MOUNTED DELINEATOR POST (EA)	REMARKS
23.656	CO. RD. 223	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
24.662	CO. RD. 216	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
25.643	RTE EE	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
26.670	RTE K	2	0.38	3	YIELD SIGN, ONE WAY (L), ONE-WAY (R)
28.000	E BIRCH ST	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
28.877	RTE V AND Z	2	0.38	3	YIELD SIGN, ONE WAY (L), ONE-WAY (R)
29.880	CO. RD. 471	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
30.820	OLD US 36 HWY	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
31.742	HOUSE CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
32.800	PRIVATE FARM ENTRANCE	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
33.625	RTE T/PP	2	0.38		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
34.646	CO. RD. 451 CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
40.540	CO. RD. 427 CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
42.765	HOUSE CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
43.682	CO. RD. 335 CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
44.722	RTE A AND N	2	0.38		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
45.302	RAILROAD CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
49.624	CO. RD. 309 CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
50.224	BUS. 36 CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
52.705	CO. RD. 301 CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
53.425	FARM ROAD ACCESS CROSSOVER	1	0.19		YIELD SIGN, ONE WAY (L), ONE-WAY (R)
	TOTAL	25.00	4.8	6.00	

REMOVAL OF IMPROVEMENTS		
LOG MILES	LOCATION	REMARKS
23.656	CO. RD. 223	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
24.462	FIELD ENTRANCE	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
25.643	RTE EE	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
26.670	RTE K	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
28.000	E BIRCH ST	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
28.877	RTE V AND Z	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
29.880	CO. RD. 471	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
30.820	OLD US 36 HWY	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
31.019	BR. A3742	REMOVE 386.67 SY PAVEMENT - REPLACE WITH CONC. APPROACH PVMT.
31.742	HOUSE CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
32.800	PRIVATE FARM ENTRANCE	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
33.625	RTE T/PP	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
34.646	CO. RD. 451 CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
40.540	CO. RD. 427 CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
41.322	BR. A7451	REMOVE 587.5' OF EXIST. GUARDRAIL
42.765	HOUSE CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
43.682	CO. RD. 335 CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
44.722	RTE A AND N	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
45.302	RAILROAD CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
45.751	BR. A7149	REMOVE 587.5' OF EXIST. GUARDRAIL
45.775	BR. A7149	REMOVE 141 SY PAVEMENT - REPLACE WITH CONC. APPROACH PVMT.
49.624	CO. RD. 309 CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
50.224	BUS. 36 CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
52.705	CO. RD. 301 CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING
53.425	FARM ROAD ACCESS CROSSOVER	REMOVE BREAKAWAY ASSEMBLY AND FOOTING



DATE PREPARED
12/2/2024

ROUTE **36** STATE **MO**

DISTRICT **NE** SHEET NO. **3**

COUNTY **SHELBY/MARION**

JOB NO. **JNE0210**

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 (1-888-273-6636)

PAVEMENT MARKING

LOG MILE	LOG MILE	LOCATION	HIGH BUILD WATERBORNE PAVEMENT MARKING EDGE LINE 6" YELLOW LF	HIGH BUILD WATERBORNE PAVEMENT MARKING DOUBLE SOLID 6" CENTERLINE YELLOW LF	HIGH BUILD WATERBORNE PAVEMENT MARKING EDGE LINE 6" WHITE LF	HIGH BUILD WATERBORNE PAVEMENT MARKING DOTTED LINE 6" WHITE LF	HIGH BUILD WATERBORNE PAVEMENT MARKING INTERM. CENTERLINE 6" WHITE LF	HIGH STANDARD WATERBORNE PAVEMENT MARKING ISLAND LINE 8" WHITE LF	HIGH BUILD WATERBORNE PAVEMENT MARKING GORE LINE 12" WHITE LF	PREFORMED THERMOPLASTIC PAVEMENT MARKING TURN ARROW WHITE EA	PREFORMED THERMOPLASTIC PAVEMENT MARKING STOP BAR WHITE LF	REMARKS
23.490	30.928	WB 36	39,273		39,273		9,818					SECTION 1
31.019	35.874	WB 36	25,634		25,634		6,409					EXCLUDE BR A3742
39.206	39.645	WB 36	2,318		2,318		579					SECTION 2
39.850	41.318	WB 36	7,751		7,751		1,938					EXCLUDE FLOODZONE
41.380	45.747	WB 36	23,058		23,058		5,764					EXCLUDE BR A7451
45.775	45.979	WB 36	1,077		1,077		269					EXCLUDE BR A7149
48.226	53.460	WB 36	27,636		27,636		6,909					SECTION 3
23.566	23.669	WB 36			280			25				CO. RD. 223 CROSSOVER
24.582	24.685	WB 36			280			25				CO. RD. 216 CROSSOVER
25.567	25.67	WB 36	-30		265			25				RTE EE CROSSOVER
26.581	26.68	WB 36	-70	100	65			50			12	RTE K CROSSOVER
27.902	27.998	WB 36	-90		270			25				E BIRCH ST CROSSOVER
28.785	28.883	WB 36	-80	140	60			50			12	RTE Z CROSSOVER
29.789	29.887	WB 36	-65		265			25				CO. RD. 471 CROSSOVER
30.727	30.826	WB 36	-40		240	72		30		2		OLD US 36 HWY CROSSOVER
31.661	31.757	WB 36	-40		230			25				PRIVATE ROAD CROSSOVER
32.71	32.799	WB 36			240			25				PRIVATE FARM ENTRANCE CROSSOVER
33.548	33.646	WB 36	-40	120	45			50			12	RTE T/PP CROSSOVER
34.561	34.652	WB 36	-50		205			25				CO. RD. 451 CROSSOVER
39.282	39.292	WB 36	-85									NORTH DOUGLAS AVE CROSSOVER
40.459	40.56	WB 36	-80		280			50		2		CO. RD. 427 CROSSOVER
40.978	41.172	WB 36	175				88		720			EXIT RAMP RTE FF
41.562	41.722	WB 36	190		140		90		415			ENTRY RAMP RTE FF
42.68	42.779	WB 36	-100		270			25		2		PRIVATE HOUSE CROSSOVER
43.602	43.703	WB 36	-100		275			50		2		CO. RD. 335 CROSSOVER
44.644	44.748	WB 36	-100	150	285			175		2	12	RTE A AND N CROSSOVER
45.222	45.324	WB 36	-80		245			25		2		TO RAILROAD CROSSING CROSSOVER
48.503	48.599	WB 36	-85		235					2		CO. RD. 311 CROSSOVER
49.54	49.64	WB 36	-90		280			25		2		CO. RD. 309 CROSSOVER
50.144	50.242	WB 36	-60		250			25		2		BUS. 36 CROSSOVER
50.922	51.075	WB 36	125		150				490			RTE 151 EXIT RAMP
51.362	51.559	WB 36	160		150		115		250			RTE 151 ENTRY RAMP
52.613	52.713	WB 36	-110		250			25		2		CO. RD. 301 CROSSOVER
53.333	53.435	WB 36	-100		283	48		25		2		FARM ROAD ACCESS CROSSOVER
		SUBTOTAL	125,902	510	132,285	120	31,979	805	1,875	22	48	
		TOTAL	126,412		164,384			805	1,875	22	48	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

**RTE 36 WBL FULL DEPTH PAVEMENT REPAIR
ACROSS FULL PROJECT LENGTH**

SECTION	LOG MILE	LOG MILE	LANE LT OR RT OR BOTH	PANEL LENGTH FT	LANE OR PANEL WIDTH FT	FURNISHING AND PLACING CONCRETE QTY SQ. YD.	SUBGRADE COMPACTION QTY SQ. YD.	4" TYPE 1 OR 5 AGGREGATE BASE QTY SQ. YD.	FULL DEPTH SAW CUT QTY L.F.	DOWEL BAR QTY EACH	DOWEL BAR BASKET* QTY EACH	REMARKS
VARIOUS	VARIOUS	-	BOTH	6	13	1560.6	156.1	156.1	6840	3600		180 LOCATIONS
1	23.490	30.928	-	-	-	581.3	58.1	58.1	2098	1260	12	67 LOCATIONS AT 6'X13'
1	31.019	35.874	-	-	-	202.7	20.3	20.3	715	420		24 LOCATIONS AT 6'X13'
2	39.206	45.903	-	-	-	108.6	10.9	10.9	449	200		13 LOCATIONS AT 6'X13'
3	48.226	53.460	-	-	-	174.0	17.4	17.4	760	400		20 LOCATIONS AT 6'X13'
						SUBTOTAL	2627.2	262.8	10862.0	5880.0	12.0	
						TOTAL	2627.2	263.0	10862.0	5880.0	12.0	

NOTE: SUBGRADE COMPACTION AND AGGREGATE BASE ESTIMATED AT 10% OF FURNISHING AND PLACING CONCRETE, PER MODOT EPG 613.3; INTERNAL SAW CUTS ARE INCLUDED IN FULL DEPTH SAW CUT QUANTITY.
NOTE: * DOWEL BAR BASKET AT 20 FT LENGTH PAVEMENT REPAIR AREA

CLASS B PARTIAL DEPTH PAVEMENT REPAIR

SECTION	LOG MILE	LOG MILE	THICKNESS INCHES	REMOVAL SQ. YD.	FUR/PLACING BIT MTRL (TONS)	REMARKS
1	23.490	30.928	4.50	10.0	2.39	
1	31.019	35.874	4.50	20.0	4.78	
2	39.206	45.903	4.50	100.0	23.91	
3	48.226	53.460	4.50	160.0	38.26	
			TOTAL	290.00	69.34	
			USE	290.0	69.4	

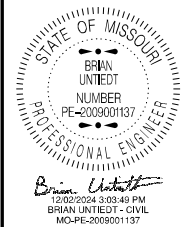
CROSS STITCHING

LOG MILE	LOG MILE	SECTION	TIE BARS EA.
23.490	30.928	1	258
31.019	35.874	1	108
39.206	45.903	2	96
48.226	53.460	3	168
		TOTAL	630

PAVEMENT UNDERDRAINS

LOG MILE	LOG MILE	SECTION	LOCATION	EACH	REMARKS
23.490	35.874	SEC 1	WBL 36	61.92	
39.206	45.856	SEC 2	WBL 36	33.25	
48.226	53.460	SEC 3	WBL 36	26.17	
		TOTAL		122	

NOTE: ESTIMATED AT EVERY 0.2 MILES



DATE PREPARED
12/2/2024
ROUTE 36 STATE MO
DISTRICT NE SHEET NO. 3
COUNTY SHELBY/MARION
JOB NO. JNE0210
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)

QUANTITY SHEET
SHEET 7 OF 8

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00	1	16			40	YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00	1	16			55	MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00	2	32			19	MERGE (ARROW SYMBOL)
WO4-1aR	48X48	16.00	2	32			19A	MERGE (ARROW SYMBOL)
WO5-1	48X48	16.00	1	16			43	ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00	6	96			50	BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00	14	224			36	UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17	48X48	16.00	14	224			23	SHOULDER DROP-OFF (SYMBOL)
WO8-17P	30X24	5.00	14	70				SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
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	28	448			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	4	64			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	4	64			6	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL, WITH FLAGS)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	2	32			21	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				WET PAINT (ARROW PIVOTS)

STATE OF MISSOURI

BRIAN UNTERDORF
NUMBER PE-200900137
PROFESSIONAL ENGINEER

DATE PREPARED
1/7/2025

ROUTE **36** STATE **MO**

DISTRICT **NE** SHEET NO. **3**

COUNTY
SHELBY/MARION

JOB NO.
JNE0210

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

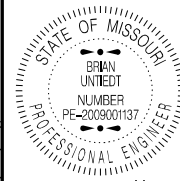
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

QUANTITY SHEET SHEET 8 OF 8

ITEM NUMBER	TOTAL QTY	DESCRIPTION						
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)						
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)						
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)						
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)						
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)						
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)						
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)						
6122020		REPLACEMENT SAND BARREL						
6122030		IMPACT ATTENUATOR (RELOCATION)						
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)						
6161008		ADVANCED WARNING RAIL SYSTEM						
6161012		BUOYS (BOATS KEEP OUT)						
6161013		BUOYS (NO WAKE)						
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)						
6161025	400	CHANNELIZER (TRIM LINE)						
6161030	10	TYPE III MOVEABLE BARRICADE						
6161033	36	DIRECTION INDICATOR BARRICADE						
6161040	2	FLASHING ARROW PANEL						
6161047		TYPE III OBJECT MARKER						
6161055		SEQUENTIAL FLASHING WARNING LIGHT						
6161070		TUBULAR MARKER						
6161095		RADAR SPEED ADVISORY SYSTEM						
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED						
6161098A	2	CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED						
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED						
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM						
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS						
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED						
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED						
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION						
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER						
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED						
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED						
6208064A		TEMPORARY RAISED PAVEMENT MARKER						
9029400		TEMPORARY TRAFFIC SIGNALS						
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING						
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	1	32			58	POINT OF PRESENCE
CONST-7	48X24	8.00						RATE OUR WORK ZONE
CONST-7	72X36	18.00						RATE OUR WORK ZONE
CONST-8	48X36	12.00	2	24			59	WORK ZONE NO PHONE ZONE
CONST-5P	42X6	1.75	1	1.75				COMPLETED AS PROMISED
616-10.05 CONSTRUCTION SIGNS								
TOTAL								1756
616-10.10 RELOCATED SIGNS								
TOTAL								0



Brian Untiedt
 12/02/2024 3:14:39 PM
 BRIAN UNTIEDT - CIVIL
 MO-PE-200900137

DATE PREPARED
 12/2/2024

ROUTE 36 STATE MO

DISTRICT NE SHEET NO. 4

COUNTY SHELBY/MARION

JOB NO. JNE0210

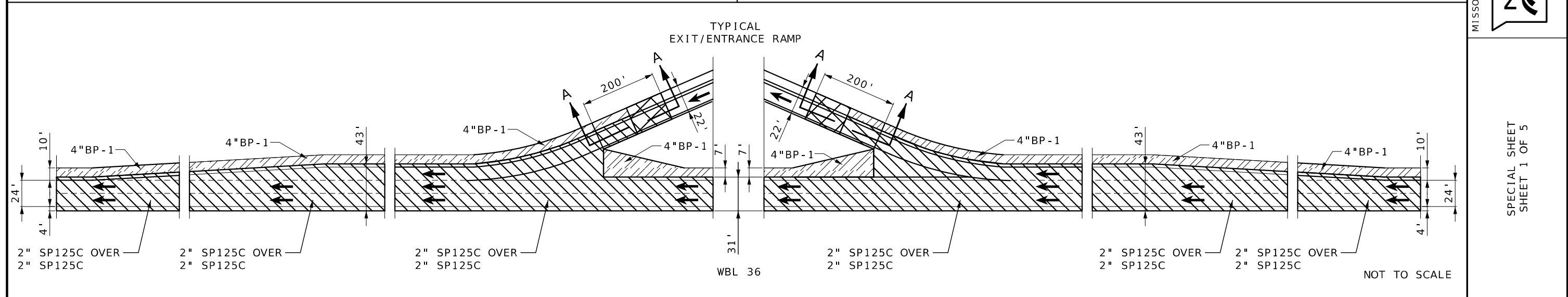
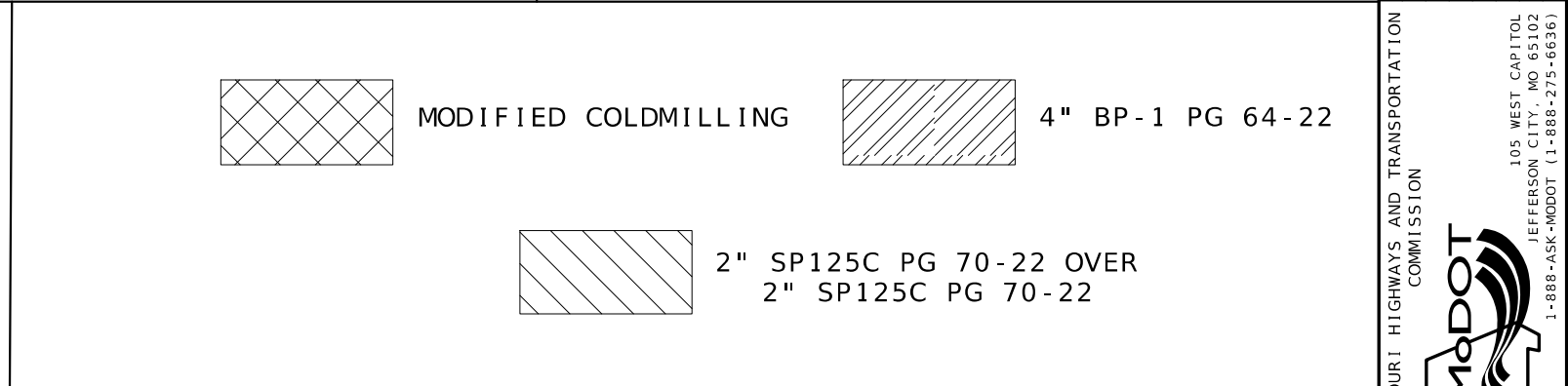
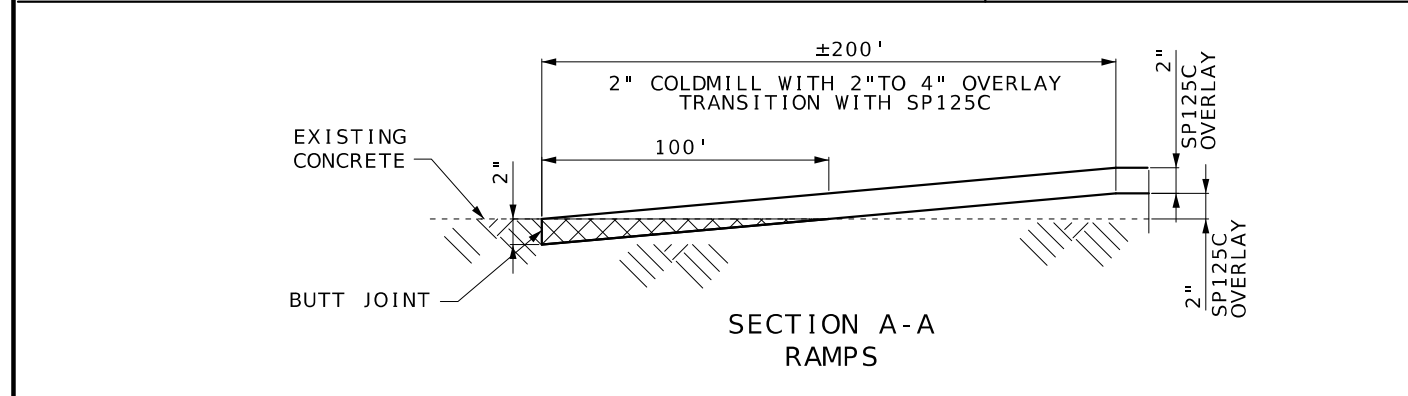
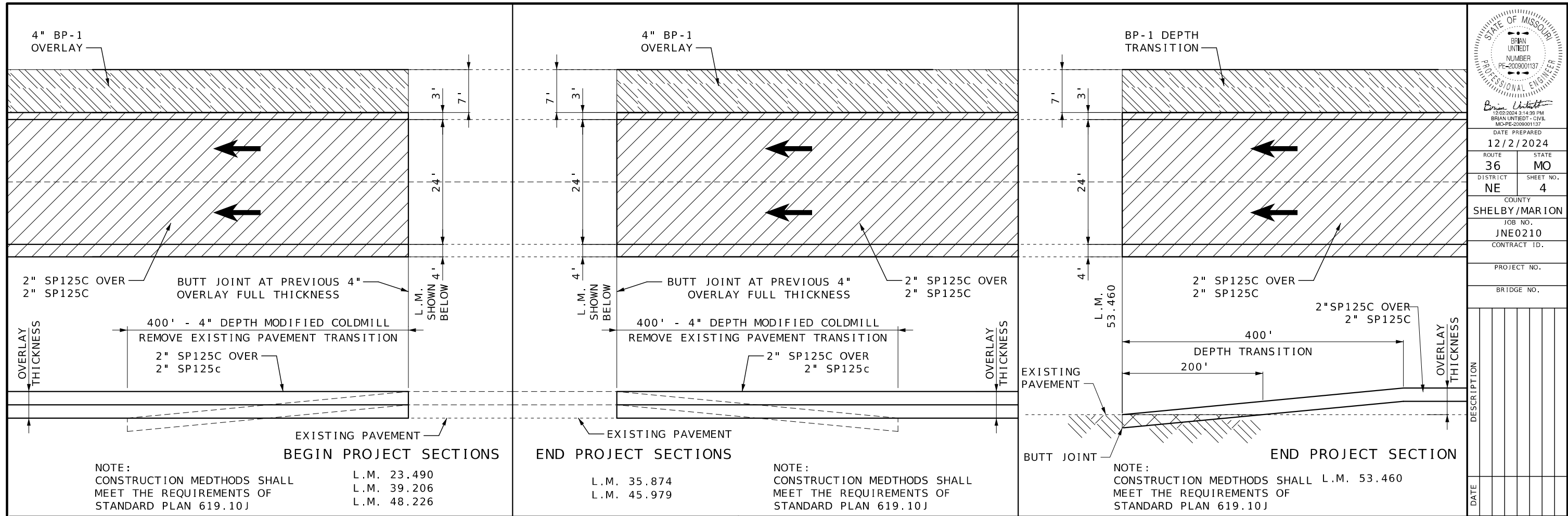
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PROJECT NO.

BRIDGE NO.

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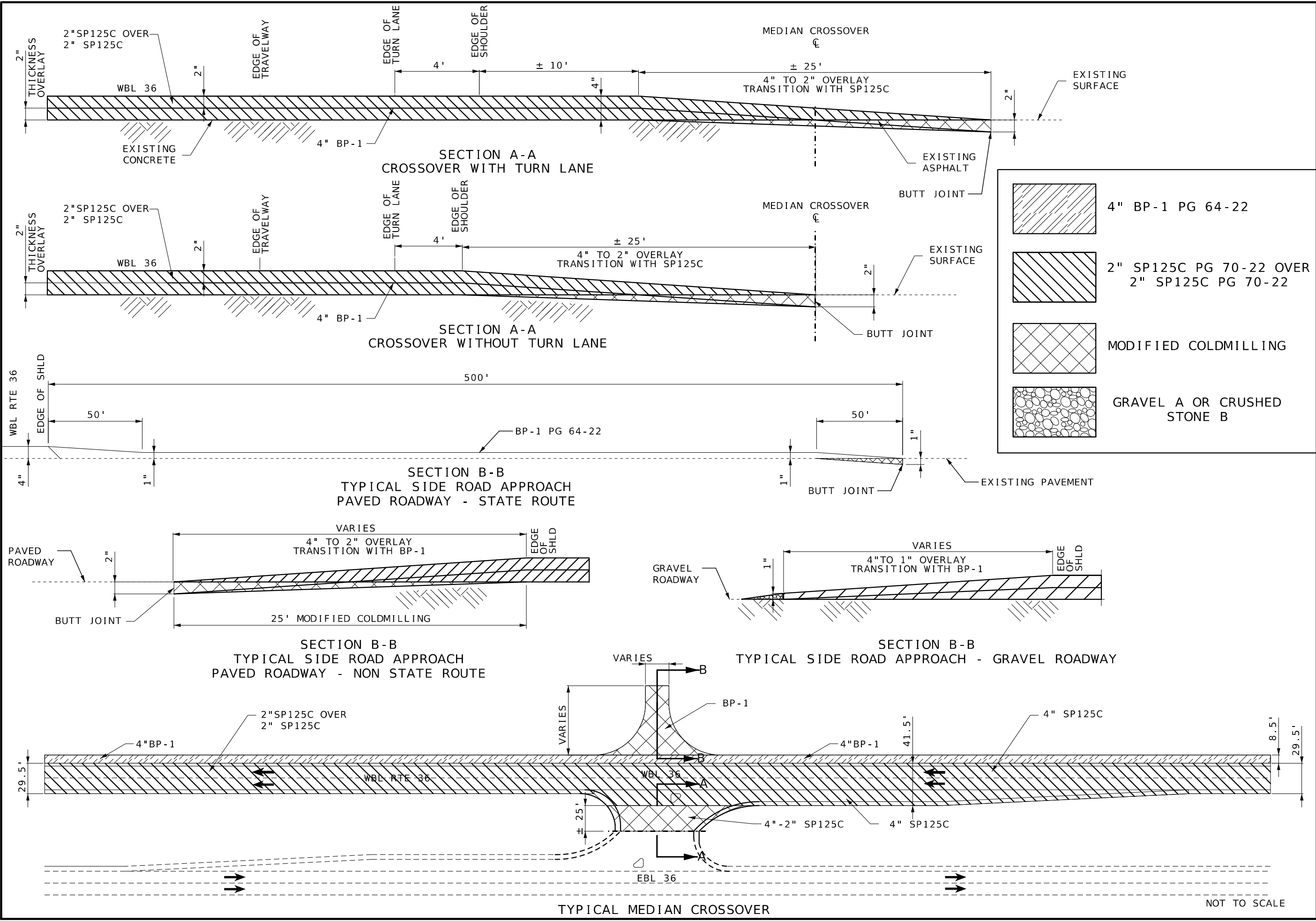
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

SPECIAL SHEET SHEET 1 OF 5



STATE OF MISSOURI
 BRIAN UNTIEDT
 NUMBER
 PE-2009001137
 PROFESSIONAL ENGINEER

DATE PREPARED
 12/2/2024
 ROUTE 36 STATE MO
 DISTRICT NE SHEET NO. 5

COUNTY
 SHELBY/MARION
 JOB NO.
 JNE0210
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

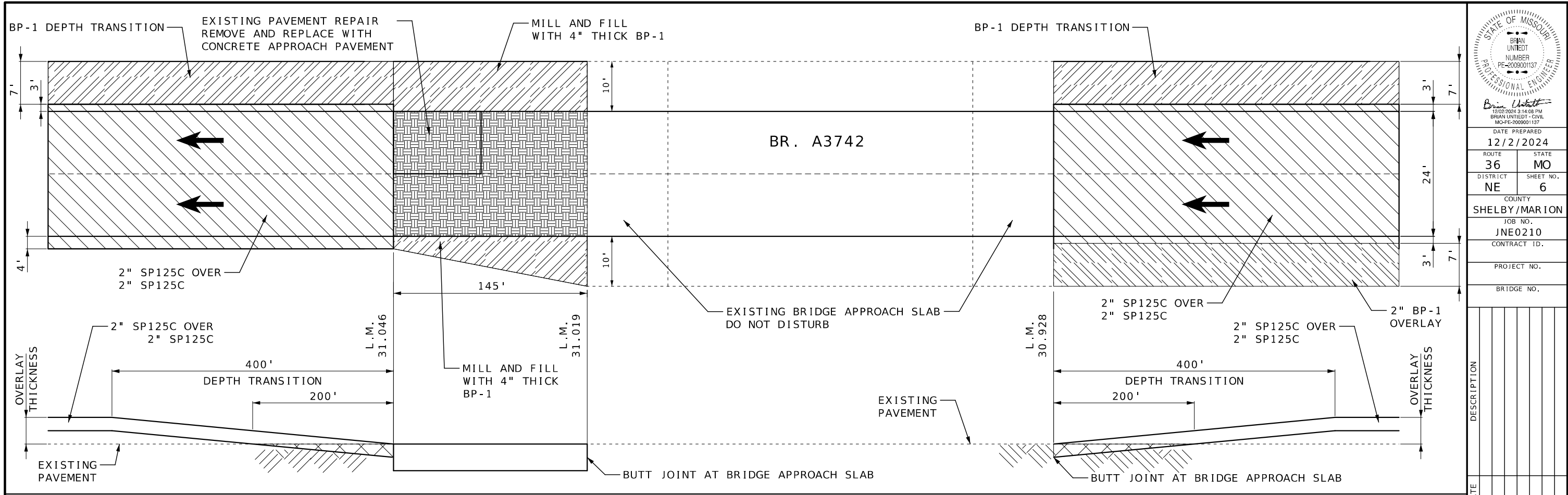
DATE	DESCRIPTION

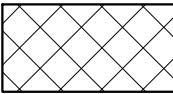
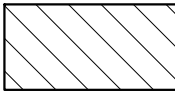
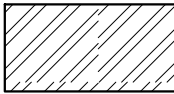
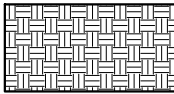
MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

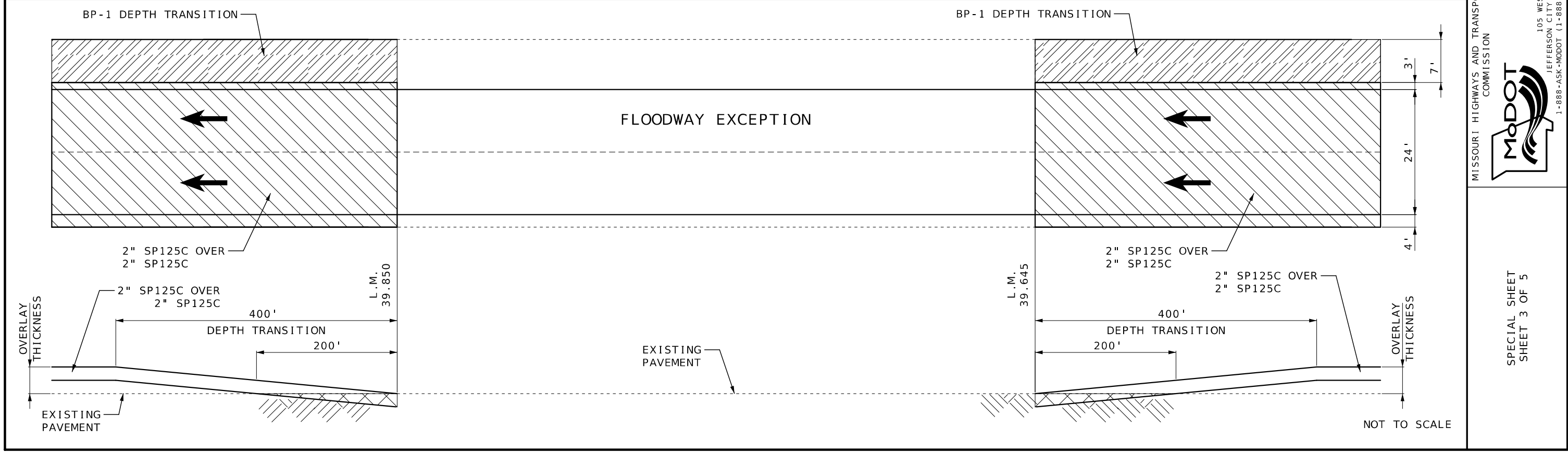
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
 SHEET 2 OF 5

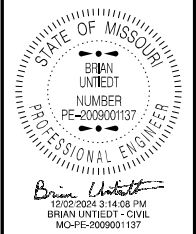
NOT TO SCALE



	MODIFIED COLDMILLING		2" SP125C PG 70-22 OVER 2" SP125C PG 70-22		4" BP-1 PG 64-22		CONCRETE APPROACH PAVEMENT (SEE STANDARD PLAN 504.00L)
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NOT TO SCALE



DATE PREPARED
12/2/2024
ROUTE 36 STATE MO
DISTRICT NE SHEET NO. 6
COUNTY SHELBY/MARION
JOB NO. JNE0210
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 3 OF 5



DATE PREPARED
12/2/2024

ROUTE 36 STATE MO

DISTRICT NE SHEET NO. 7

COUNTY SHELBY/MARION

JOB NO. JNE0210

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

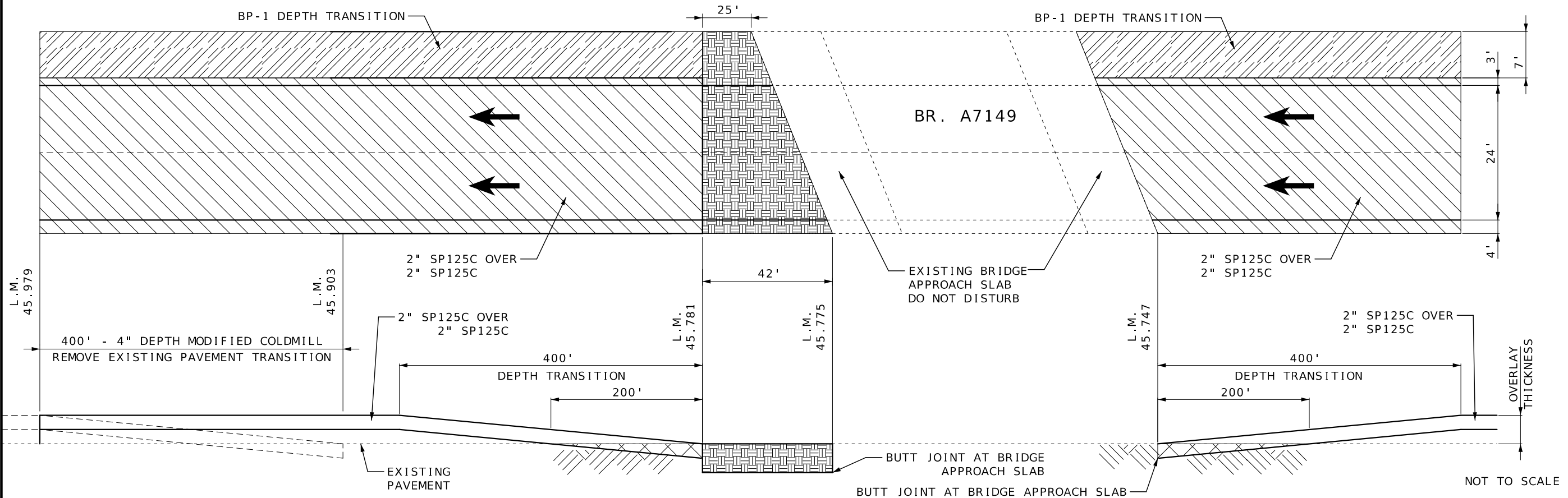
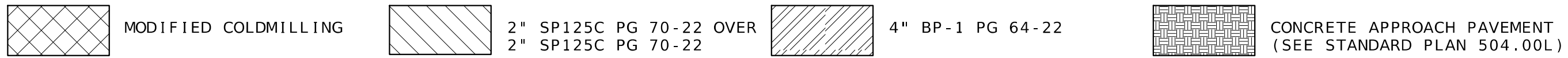
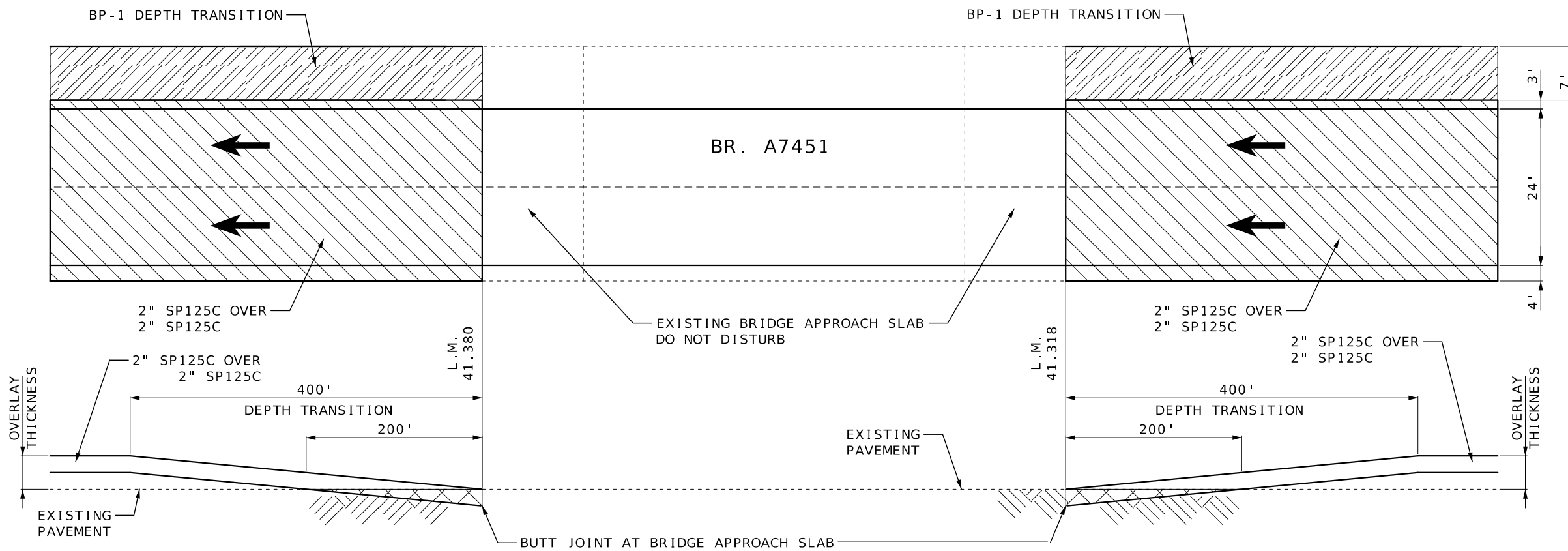
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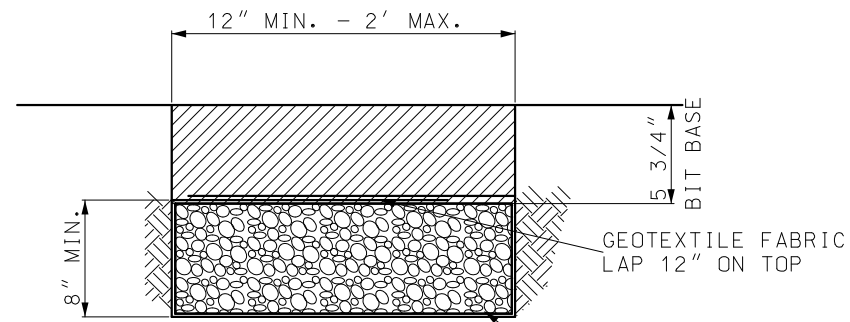
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

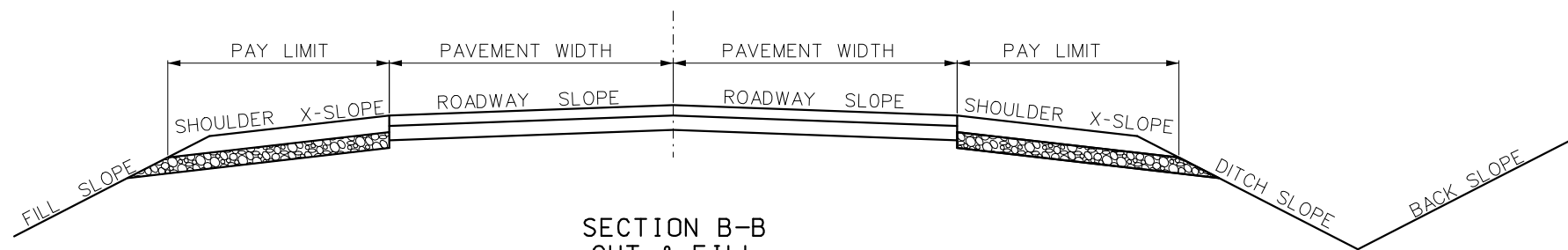
SPECIAL SHEET
SHEET 4 OF 5



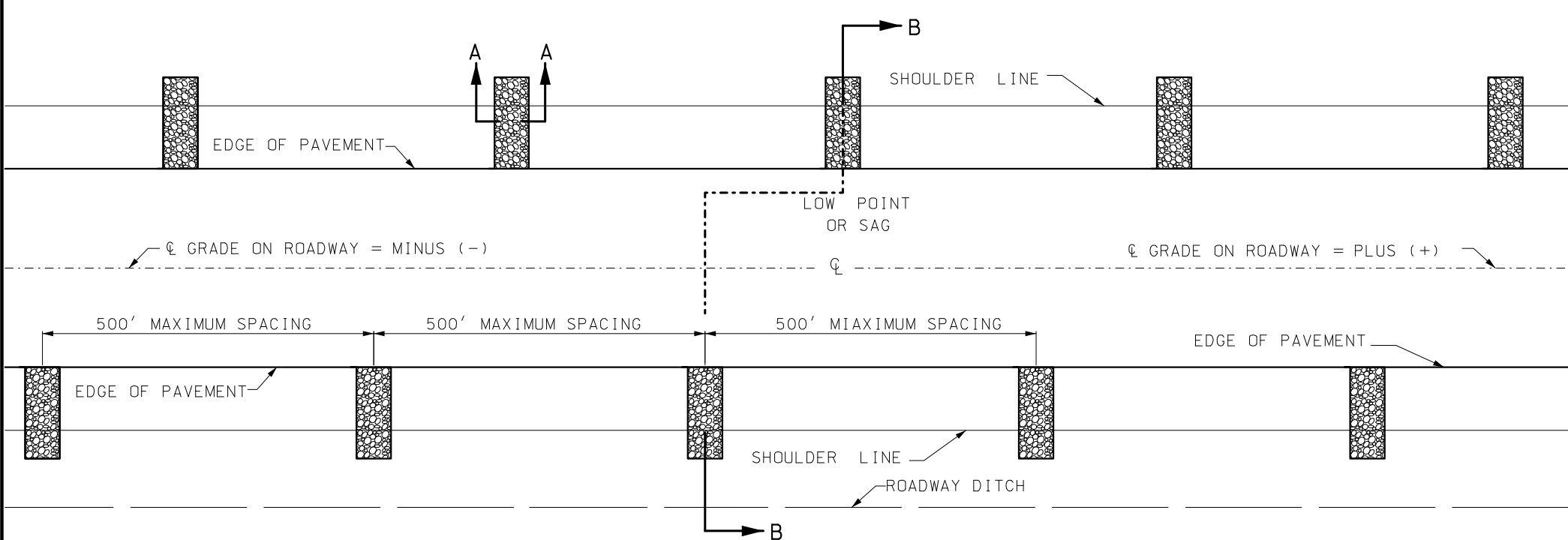


SECTION A-A

MATERIAL SHALL CONSIST OF CRUSHED STONE OR GRAVEL WITH A GRADATION CONSISTING OF 100 PERCENT PASSING THE 3-INCH SIEVE, 30 TO 70 PERCENT PASSING THE 1 1/2" SIEVE AND 0 TO 15 PERCENT PASSING THE NO. 4 SIEVE.



SECTION B-B
CUT & FILL
ELEVATION



PLAN

GENERAL NOTES:

AGGREGATE UNDERDRAINS TO BE USED ONLY WHERE DESIGNATED BY ENGINEER.

AGGREGATE UNDERDRAIN SHALL BE PLACED AT THE LOW POINT OF THE SAG AND THE SPACING OF AGGREGATE UNDERDRAIN SHALL BE APPROX. 500'. AGGREGATE UNDERDRAINS WILL BE OMITTED ON THE CREST VERTICAL CURVES AND ON THE HIGH SIDE OF SUPER-ELEVATION. THE LOW SIDE OF SUPER-ELEVATION SPACING MAY BE DECREASED AS DIRECTED BY ENGINEER.

THE BOTTOM OF THE AGGREGATE DRAINS SHALL BE AT OR BELOW THE BOTTOM OF THE PAVEMENT'S AGGREGATE SUBBASE AT THE POINT OF CONTACT. THE TOP OF THE AGGREGATE DRAINS SHALL BE NO HIGHER THAN THE BOTTOM OF THE SHOULDER'S AGGREGATE BASE.



DATE PREPARED 12/2/2024	
ROUTE 36	STATE MO
DISTRICT NE	SHEET NO. 8
COUNTY SHELBY/MARION	
JOB NO. JNE0210	
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)

SPECIAL SHEET
PAVEMENT UNDERDRAINAGE
SHEET 5 OF 5

**WORK ZONE
NO PHONE
ZONE**

SPECIAL
59

**ROAD WORK
NEXT 33 MILES**

G020-1
1
WBL

**ROAD
WORK
AHEAD**

W020-1
2

**BRIDGE
OR
RAMP**

**END
ROAD WORK**

G020-2
26

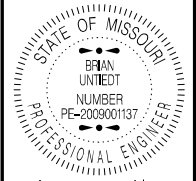
**Road
Improvements
FALL 2025**

CONST-5-96
58

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)
 CHANGEABLE MESSAGE SIGN (CMS)
(LOCATE AS DIRECTED BY THE ENGINEER)

CONTRACTOR FURNISHED/RETAINED
CHANGEABLE MESSAGE SIGN (CMS)
NOTE: ONE CMS BOARD SHALL BE PLACED
AT THE BEGINNING OF PROJECT LIMITS ONE
WEEK PRIOR TO START OF WORK TO NOTIFY
MOTORISTS OF UPCOMING CONSTRUCTION. EXACT
LOCATION AND MESSAGE AS DIRECT BY THE ENGINEER.



DATE PREPARED
1/7/2025

ROUTE 36 STATE MO
DISTRICT NE SHEET NO. 9

COUNTY
SHELBY/MARION
JOB NO.
JNE0210
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)

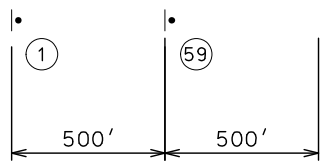
TRAFFIC CONTROL
SHEET 1 OF 9

RTE 36

RTE 36

1 59

26



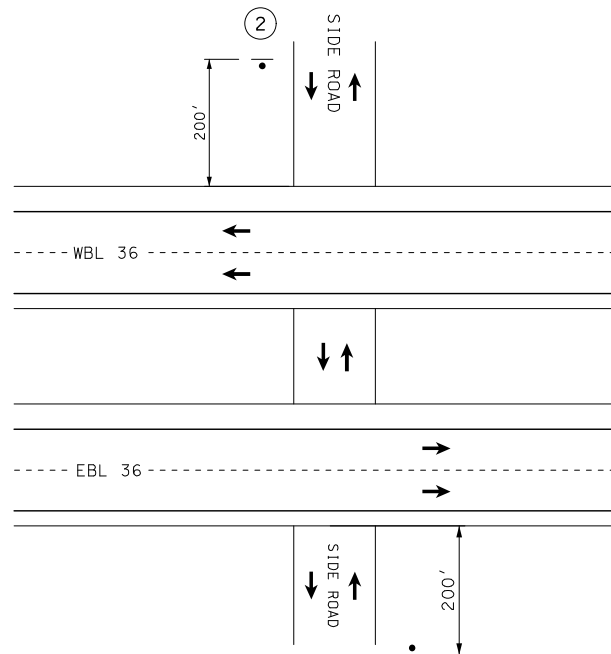
BEGINNING OF PROJECT
LIMITS: OR INITIAL WORK
ZONE SIGN, IF LOCATED
OUTSIDE PROJECT LIMITS.

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

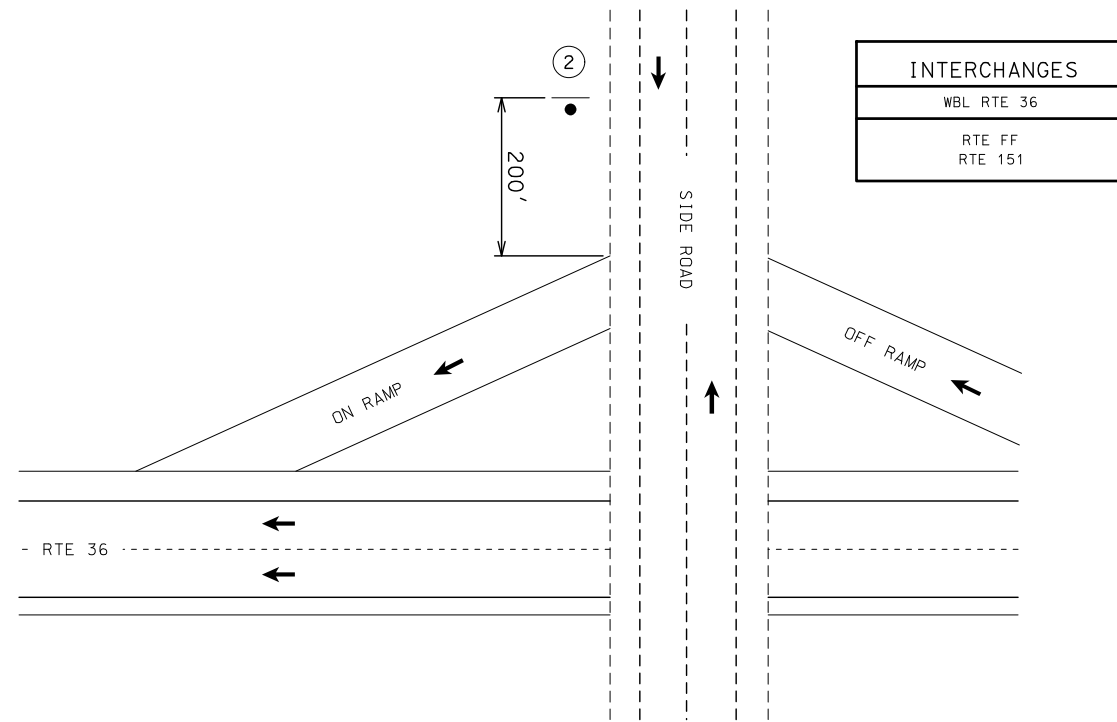
PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS
OR MAY BE RELOCATED TO FIT FIELD CONDITIONS.
AS DIRECTED BY THE ENGINEER.

BEGIN AND END OF PROJECT
(WBL RTE 36)

SIDE ROADS	
WBL RTE 36	
CO. RD. 223	
CO. RD. 216	
RTE EE - ONE SIDE	
RTE K - ONE SIDE	
E BIRCH ST - ONE SIDE	
CO. RD. 490 - ONE SIDE	
RTE Z	
CO. RD. 473 - ONE SIDE	
CO. RD. 471 - ONE SIDE	
CO. RD. 467 - ONE SIDE	
OLD US 36 HWY - ONE SIDE	
LOG MILE 31.74 CROSSOVER - ONE SIDE	
LOG MILE 32.782 CROSSOVER - ONE SIDE	
LOG MILE 33.381 ROAD - ONE SIDE	
RTE T/PP	
CO. RD. 451	
NORTH DOUGLAS AVE - ONE SIDE	
CO. RD. 427	
LOG MILE 42.762 CROSSOVER	
CO. RD. 335	
RTE A/N	
436A ROAD - ONE SIDE	
LOG MILE 45.306 CROSSOVER	
CO. RD. 311 - ONE SIDE	
CO. RD. 309 - ONE SIDE	
BUS. 36	
CO. RD. 303 - ONE SIDE	
CO. RD. 301 ONE SIDE	



SIDEROAD INTERSECTION



STATE ROUTE OR SIDE ROAD AT INTERCHANGE

NOTES:

ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED
TRAFFIC CONTROL PLAN SHALL BE COVERED, NO DIRECT PAY.

ALL SIGNS AND DEVICES ARE CONSIDERED PORTABLE. NO
DIRECT PAYMENT WILL BE MADE FOR ANY RELOCATIONS OF
SIGNS AND DEVICES.

ADJUST CHANNELIZER SPACING, SIGN SPACING AND LOCATION
AS REQUIRED BY FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.



BRIDGE OR RAMP



W020-5 (5)

CENTER LANE OR LEFT LANE



W020-6a (6)

CENTER OR LEFT



W04-1aR (RIGHT) (19A)



R4-2 (46A)



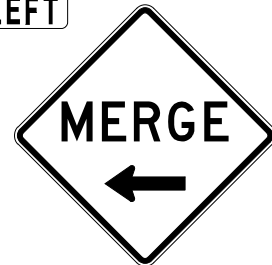
R2-1 (4)



CONST-3A (53)

SPEEDING/PASSING

CONST-3X (53A)



W04-1aL (LEFT) (19)



R2-1 (NORMAL POSTED SPEED) (25)



R4-1 (46)



G020-5aP (54)

W020-1 (2)

(2)

(53)

(54) (46)

(5)

(6) OR (19A)

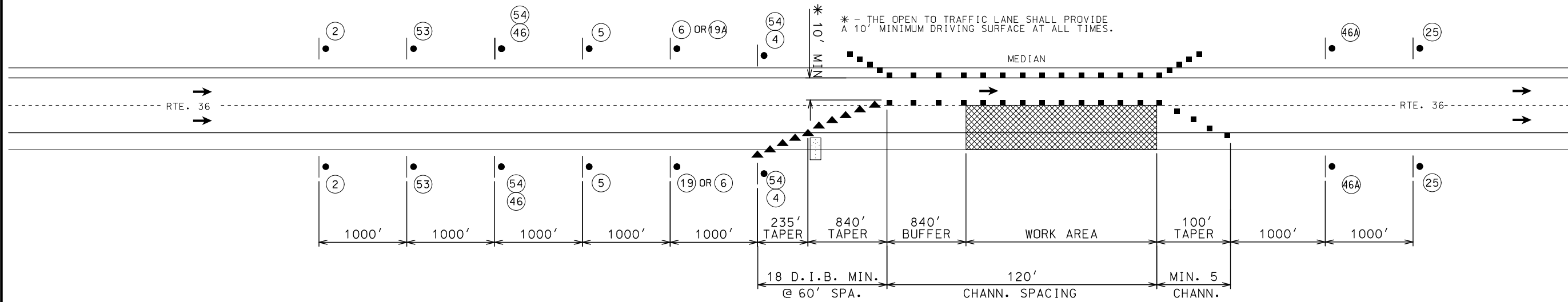
(54) (4)

(19)

(46A)

(25)

* - THE OPEN TO TRAFFIC LANE SHALL PROVIDE A 10' MINIMUM DRIVING SURFACE AT ALL TIMES.



NOTES:

ANY EXISTING SIGNING THAT CONFLICTS WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COMPLETELY COVERED OR REMOVED. NO DIRECT PAY.

ALL SIGNS AND DEVICES ARE CONSIDERED PORTABLE. NO DIRECT PAYMENT WILL BE MADE FOR ANY RELOCATIONS OF SIGNS AND DEVICES.

ADJUST CHANNELIZER SPACING, SIGN SPACING AND LOCATION AS REQUIRED BY FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

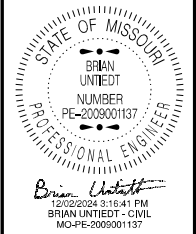
TWO LANE CLOSURE SIGN PACKAGES ARE INCLUDED IN THE PLANS. ADDITIONAL QUANTITIES WILL BE AT THE CONTRACTORS EXPENSE.

TRAFFIC CONTROL LEGEND

- WORK AREA
- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM LINE)
- FLASHING ARROW PANEL
- DIRECTIONAL INDICATOR BARRICADE

STATIONARY LEFT OR RIGHT LANE CLOSURE WITH SPEED REDUCTION - DIVIDED HIGHWAY

NOT TO SCALE



DATE PREPARED 12/2/2024
 ROUTE 36 STATE MO
 DISTRICT NE SHEET NO. 10
 COUNTY SHELBY/MARION
 JOB NO. JNE0210
 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)

TRAFFIC CONTROL SHEET 2 OF 9

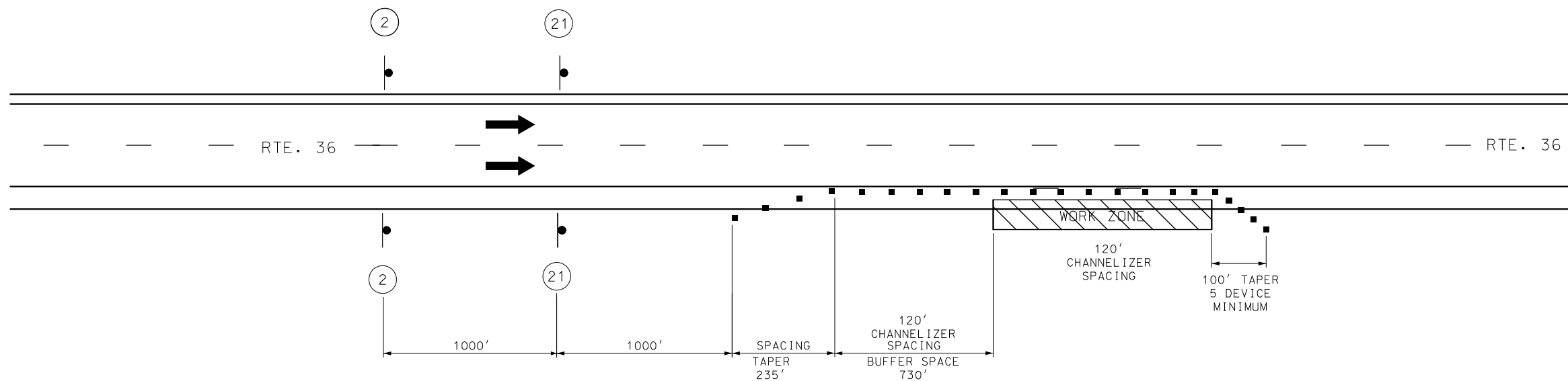


BRIDGE
OR
RAMP



W020-1
2

W021-5
21

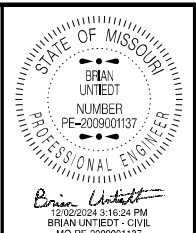


GENERAL NOTES

1. USE IN PLACE ALL SIGNS WHICH DO NOT CONFLICT WITH THIS PLAN. COVER OR REMOVE CONFLICTING SIGNS.
2. SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
3. ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.
4. SIGN #21 DOES NOT NEED AN AWRS IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

**SHOULDER WORK
TWO-LANE DIVIDED HIGHWAY**

TRAFFIC CONTROL LEGEND	
	SIGN
	TRIMLINE CHANNELIZER
	WORK AREA



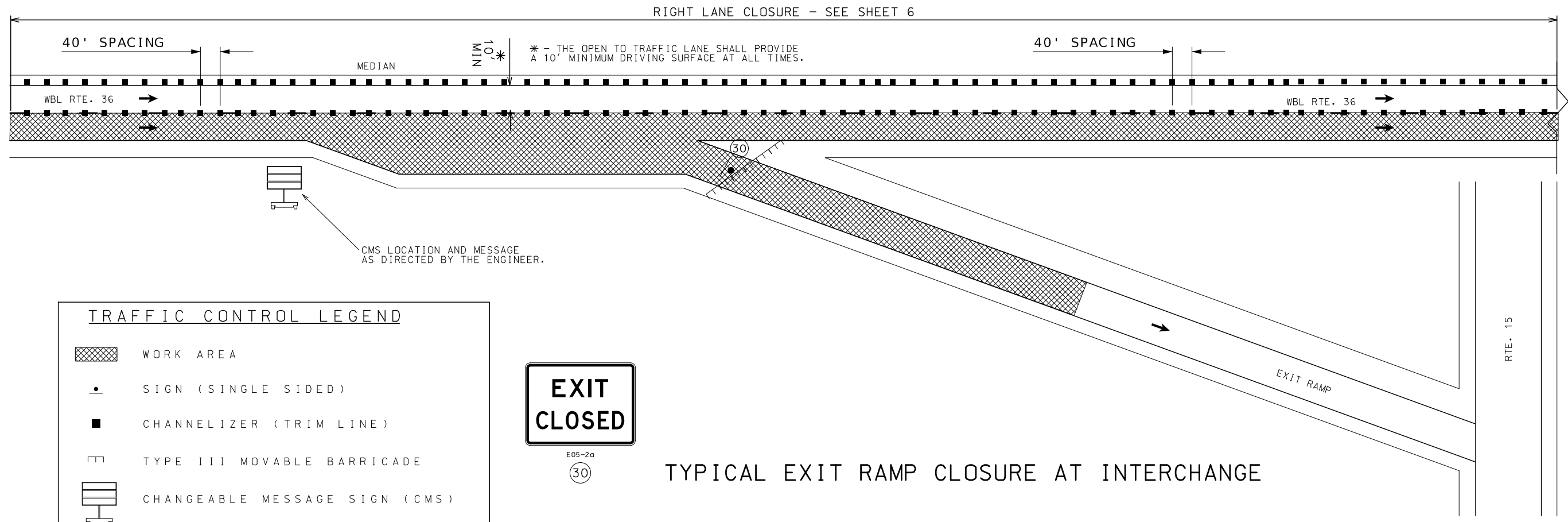
DATE PREPARED	12/2/2024		
ROUTE	36	STATE	MO
DISTRICT	NE	SHEET NO.	11
COUNTY	SHELBY/MARION		
JOB NO.	JNE0210		
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
SHEET 3 OF 9

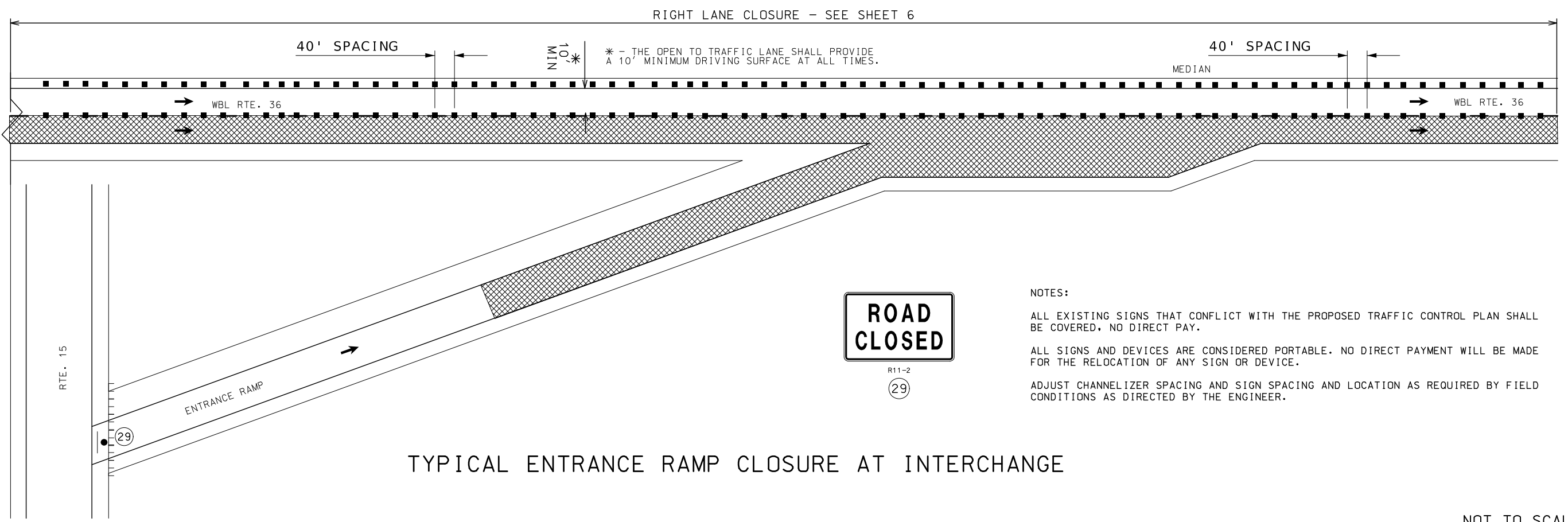


TRAFFIC CONTROL LEGEND

- WORK AREA
- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM LINE)
- TYPE III MOVABLE BARRICADE
- CHANGEABLE MESSAGE SIGN (CMS)



TYPICAL EXIT RAMP CLOSURE AT INTERCHANGE



TYPICAL ENTRANCE RAMP CLOSURE AT INTERCHANGE

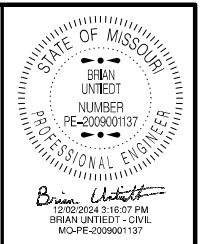
NOTES:

ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, NO DIRECT PAY.

ALL SIGNS AND DEVICES ARE CONSIDERED PORTABLE. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF ANY SIGN OR DEVICE.

ADJUST CHANNELIZER SPACING AND SIGN SPACING AND LOCATION AS REQUIRED BY FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

NOT TO SCALE



DATE PREPARED: 12/2/2024

ROUTE	STATE
36	MO
DISTRICT	SHEET NO.
NE	12

COUNTY: SHELBY/MARION
 JOB NO.: JNE0210
 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)

TRAFFIC CONTROL SHEET 4 OF 9



2



5



6

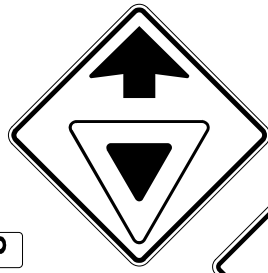


6A

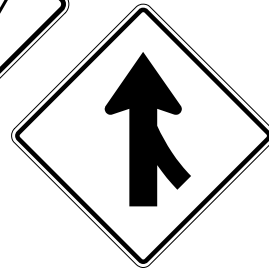


43

OR RAMP



40



55



4



25



54



13



DATE PREPARED
12/2/2024

ROUTE STATE
36 MO

DISTRICT SHEET NO.
NE 13

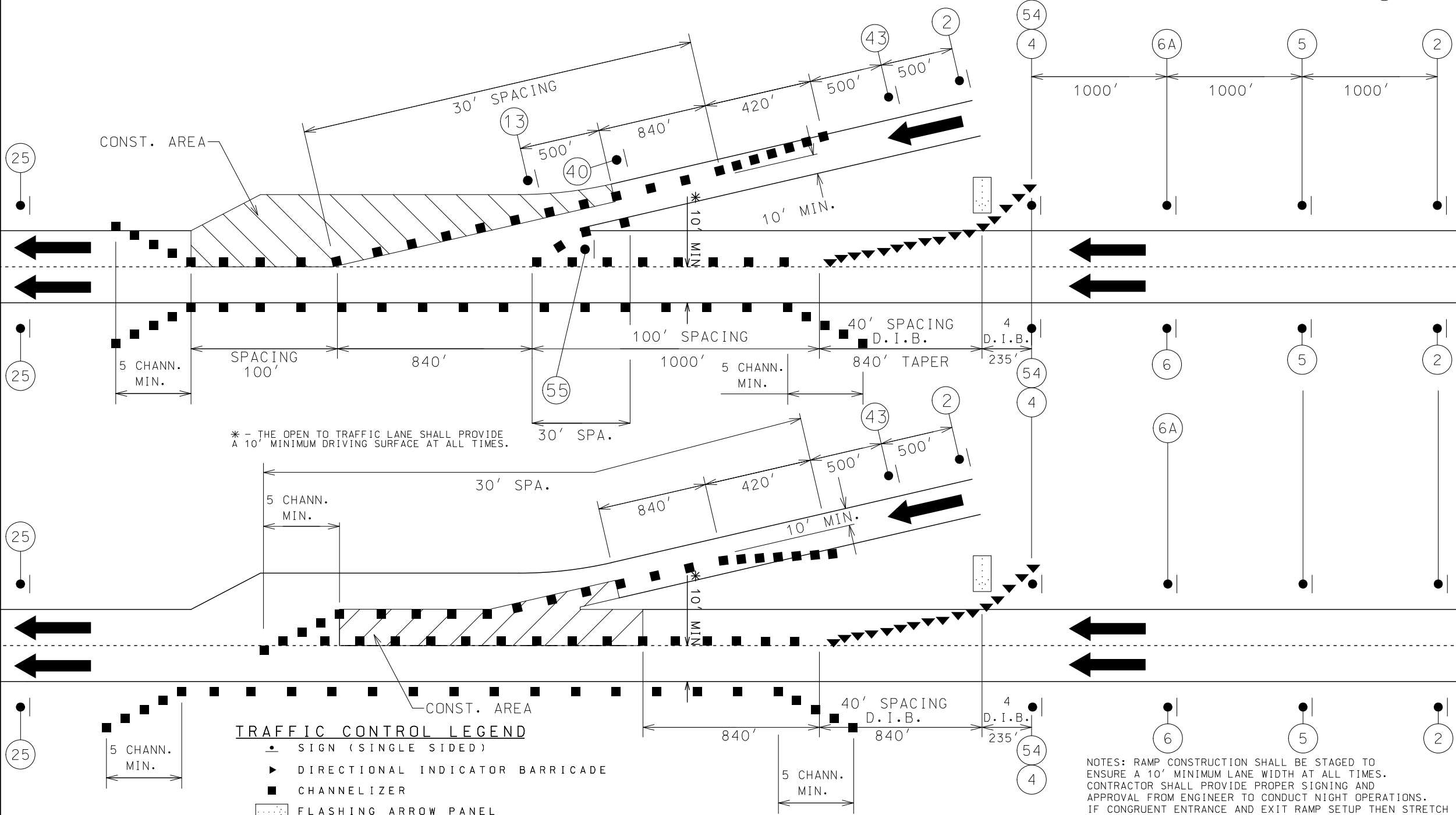
COUNTY
SHELBY/MARION

JOB NO.
JNE0210

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



* - THE OPEN TO TRAFFIC LANE SHALL PROVIDE A 10' MINIMUM DRIVING SURFACE AT ALL TIMES.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▶ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- FLASHING ARROW PANEL

NOTES: RAMP CONSTRUCTION SHALL BE STAGED TO ENSURE A 10' MINIMUM LANE WIDTH AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNING AND APPROVAL FROM ENGINEER TO CONDUCT NIGHT OPERATIONS. IF CONGRUENT ENTRANCE AND EXIT RAMP SETUP THEN STRETCH CHANNELIZERS TO KEEP ONE LANE THROUGHOUT ENTIRE WORKZONE.

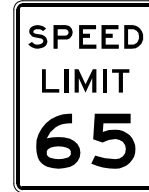
NOT TO SCALE

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
SHEET 5 OF 9



W20-1
2

W20-5
5

W20-6a
6

W04-1aL
6A

W05-1
43

E05-1
49

R2-1
4

G020-5cp
54



DATE PREPARED
12/2/2024 3:20:34 PM

ROUTE STATE
36 MO

DISTRICT SHEET NO.
NE 14

COUNTY
SHELBY/MARION

JOB NO.
JNE0210

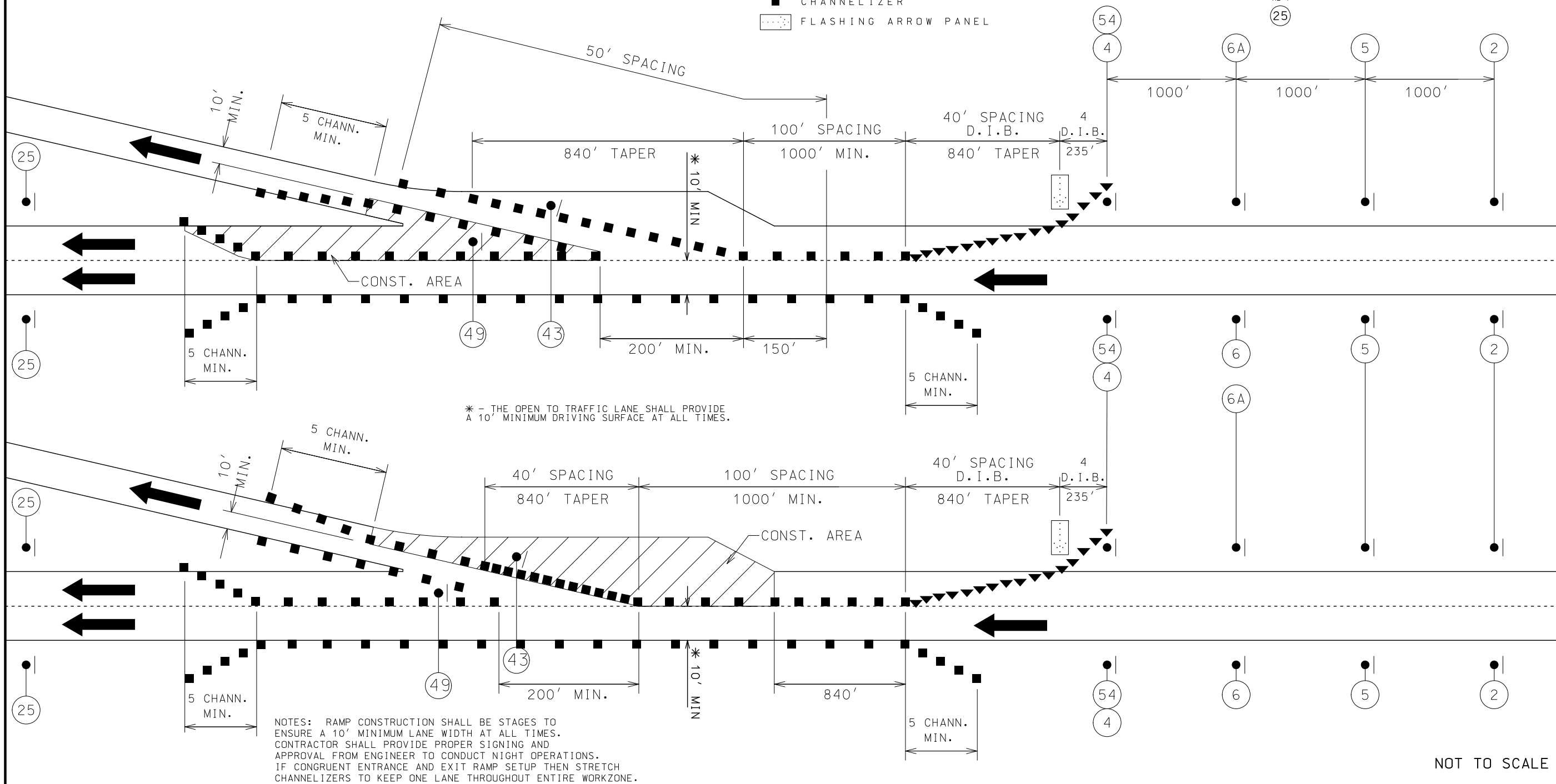
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▶ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- ▨ FLASHING ARROW PANEL



NOTES: RAMP CONSTRUCTION SHALL BE STAGES TO ENSURE A 10' MINIMUM LANE WIDTH AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNING AND APPROVAL FROM ENGINEER TO CONDUCT NIGHT OPERATIONS. IF CONGRUENT ENTRANCE AND EXIT RAMP SETUP THEN STRETCH CHANNELIZERS TO KEEP ONE LANE THROUGHOUT ENTIRE WORKZONE.

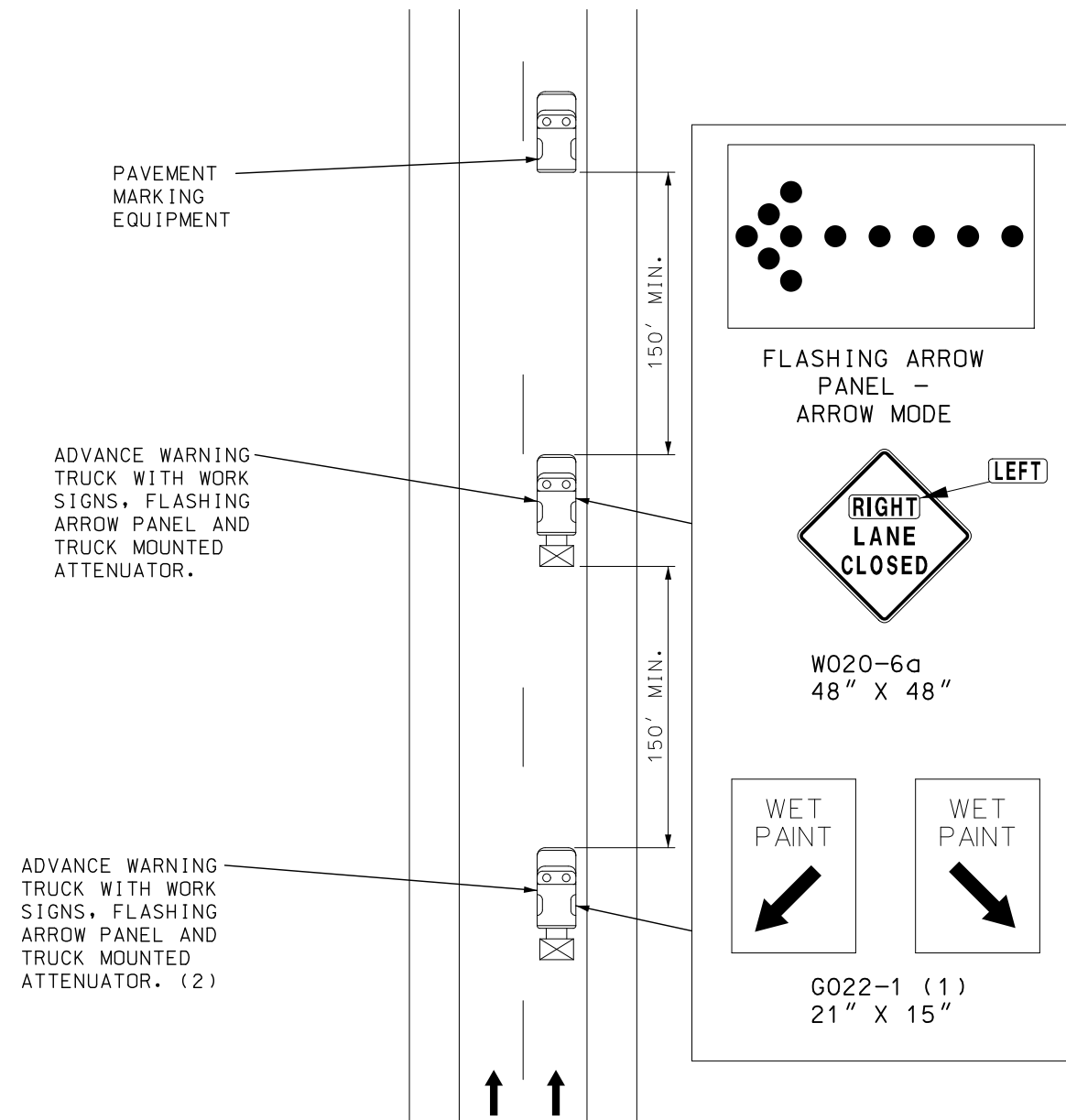
NOT TO SCALE

DATE	DESCRIPTION

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



TRAFFIC CONTROL SHEET 6 OF 9



**MULTI-LANE DIVIDED HIGHWAY
PAVEMENT MARKING
MOVING OPERATION ON HIGHWAY OPEN TO TRAFFIC**

NOTES:

UPON ARRIVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS 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.

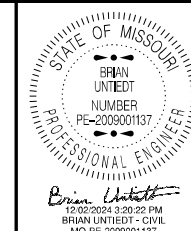
(1) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

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

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

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

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



DATE PREPARED
12/2/2024 3:20:22 PM

ROUTE 36 STATE MO

DISTRICT NE SHEET NO. 15

COUNTY SHELBY/MARION

JOB NO. JNE0210

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
12/2/2024

ROUTE 36 STATE MO

DISTRICT NE SHEET NO. 16

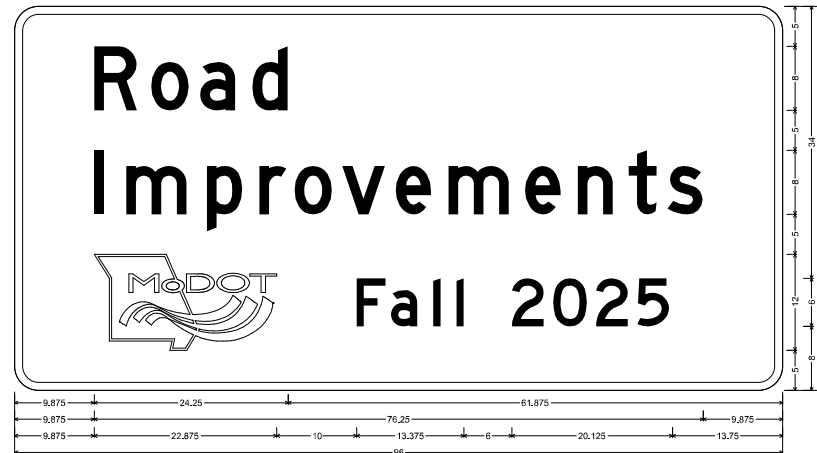
COUNTY
SHELBY/MARION

JOB NO.
JNE0210

CONTRACT ID.

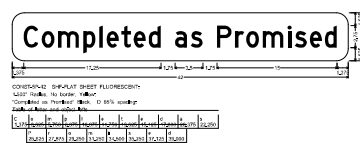
PROJECT NO.

BRIDGE NO.



CONST-5496 SHIFLAT SHEET:
3.000" Red Ink, 1.000" Border, White on Blue
"Road", D: "Improvements", D: "Fall 2024", D:
Table of letter and object lifts

R	o	a	d										
9.875	17.125	23.125	29.750										
I	m	p	r	o	v	e	m	e	n	t	s		
9.875	14.000	24.000	30.625	35.000	41.000	47.625	54.250	63.750	70.375	76.750	81.625		
F	a	l	l	2	0	2	4						
9.875	42.750	47.000	52.375	55.250	62.125	67.375	72.625	77.875					



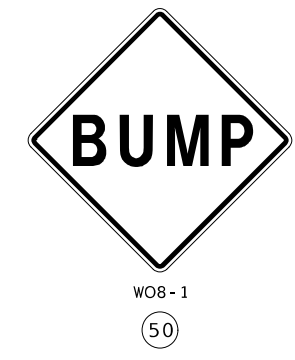
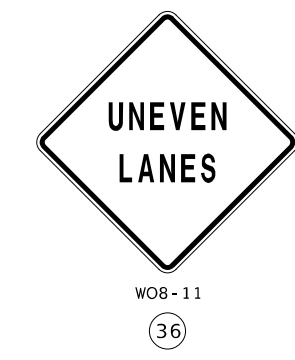
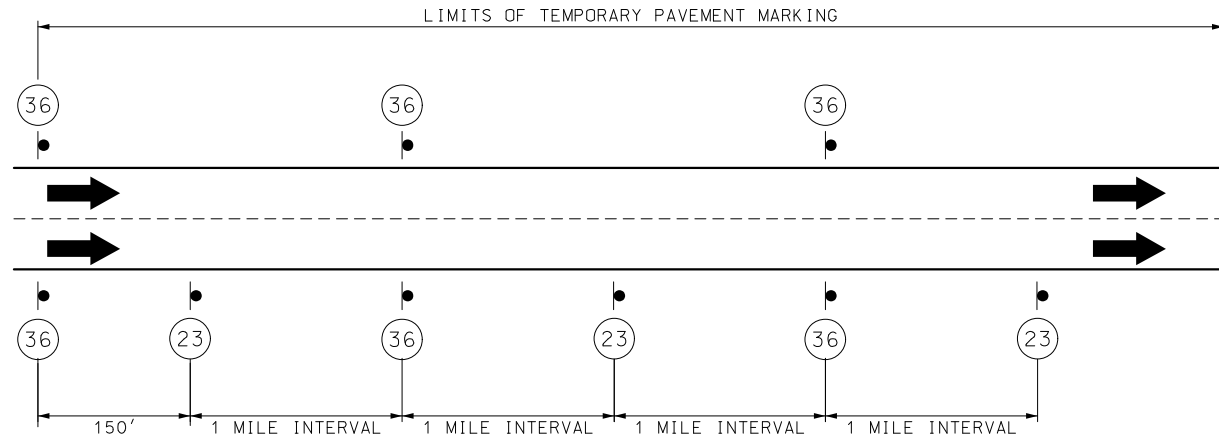
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

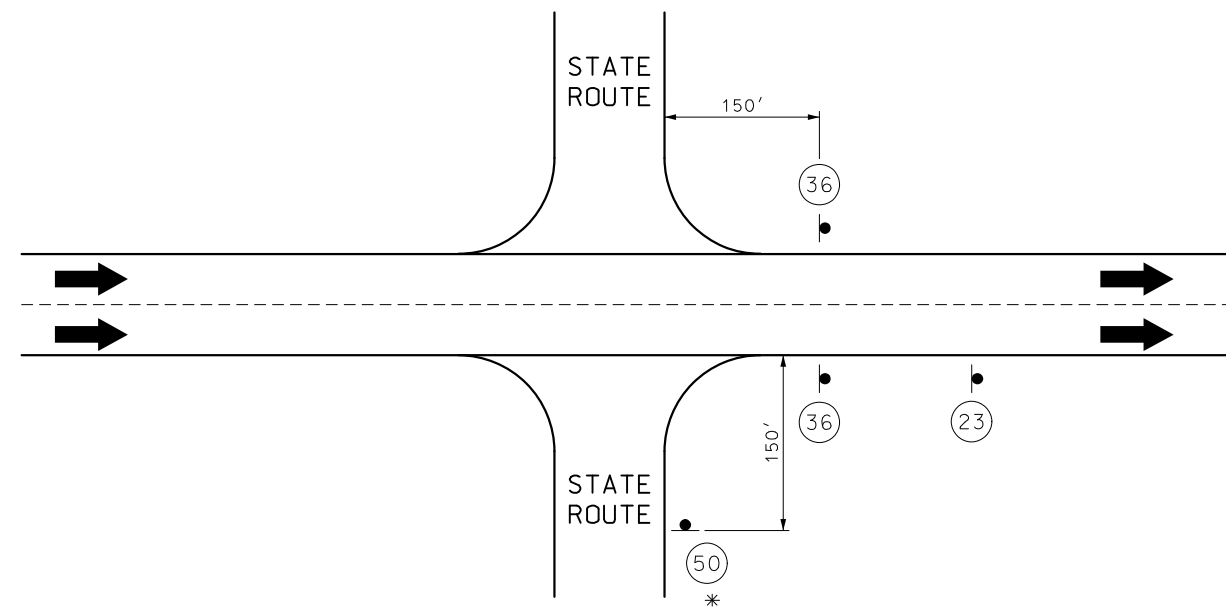
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL
SHEET 8 OF 9



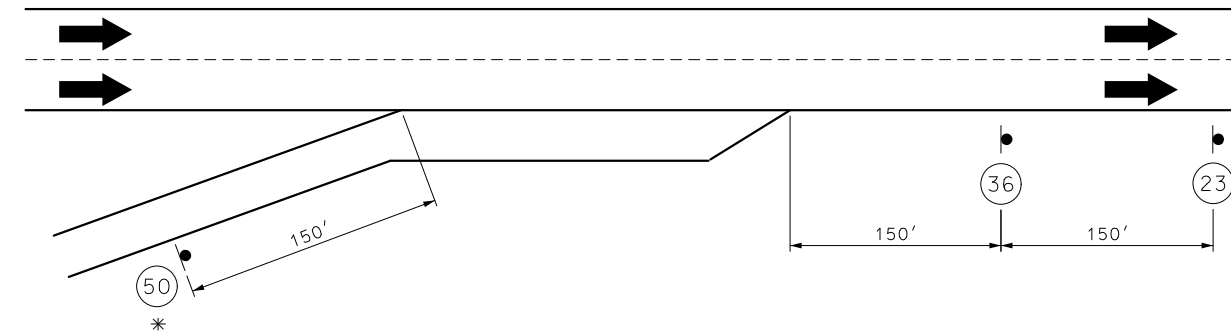
SIGN SPACING FOR DIVIDED OR MULTI-LANE HIGHWAY

(DETAIL SHOWN IS BASED ON A PROJECT MEETING CONDITIONS OF UNEVEN LANES AND SHOULDER DROP-OFF)
 WHEN BOTH UNEVEN LANES AND SHOULDER DROP-OFF SIGNS ARE USED, BOTH SIGNS SHALL STAY IN PLACE UNTIL BOTH CONDITION NO LONGER EXISTS.
 WHEN ONLY ONE CONDITION EXISTS (UNEVE LANES OR SHOULDER DROP-OFF), SHEN SPACING SHALL BE AT 1 MILE INTERVALS



SIGN SPACING AT STATE ROUTE INTERSECTIONS

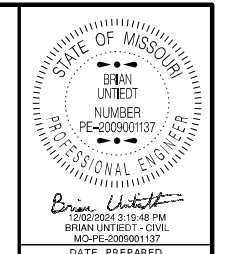
* BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLANS 619.10



SIGN SPACING AT RAMPS

* BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLANS 619.10

GENERAL NOTES:
 FOR DETAILS OF TEMPORARY PAVEMENT MARKING, SEE SHEET 1 OF 5 STD. PLAN 620.10
 ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLANS 616.10 AND 903.03
 WHEN SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.



DATE PREPARED
12/2/2024

ROUTE 36 STATE MO

DISTRICT NE SHEET NO. 17

COUNTY SHELBY/MARION

JOB NO. JNE0210

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

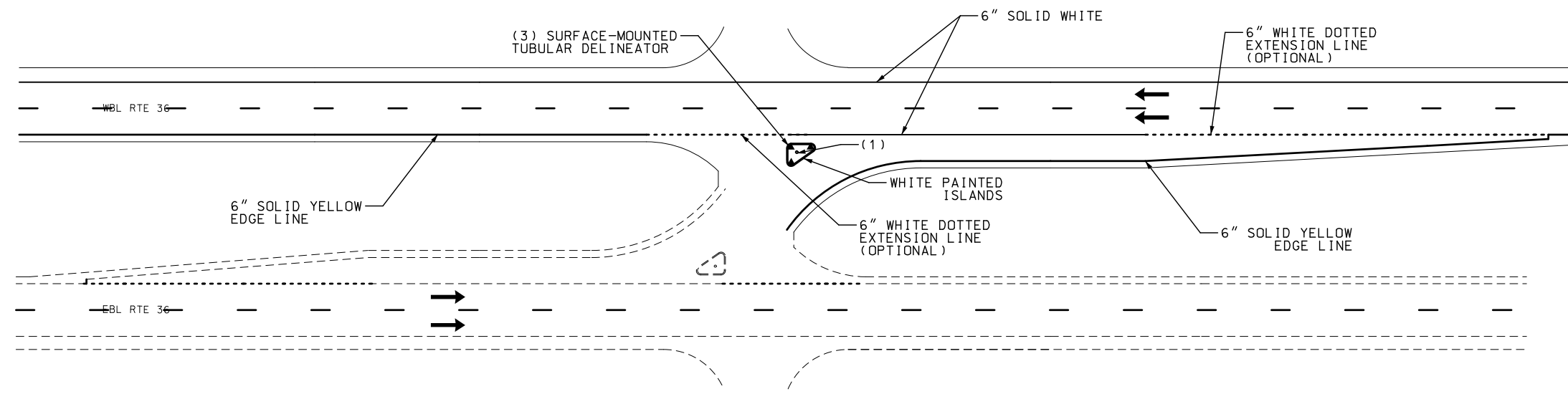
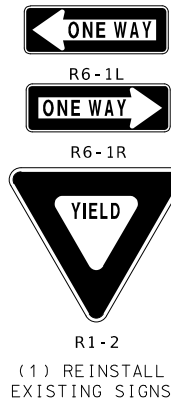
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
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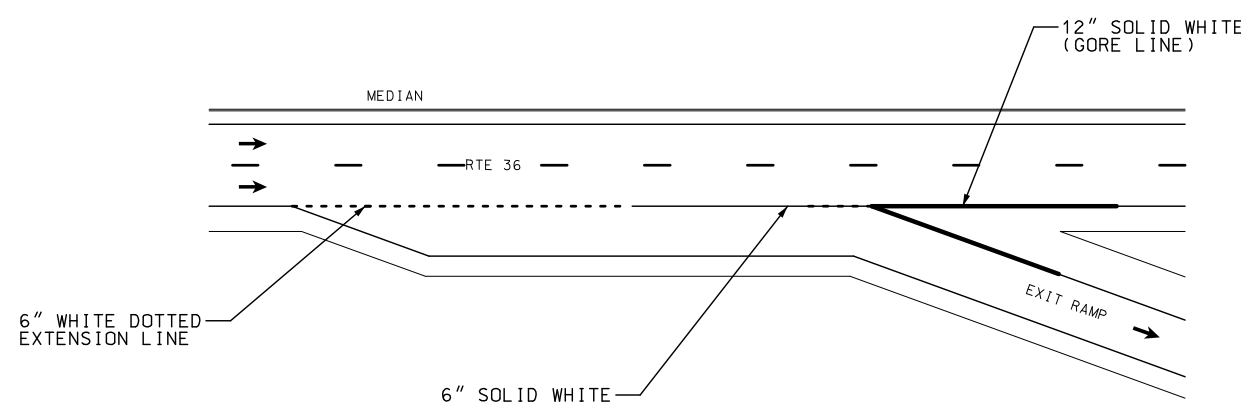
TRAFFIC CONTROL
 SHEET 9 OF 9

NOT TO SCALE

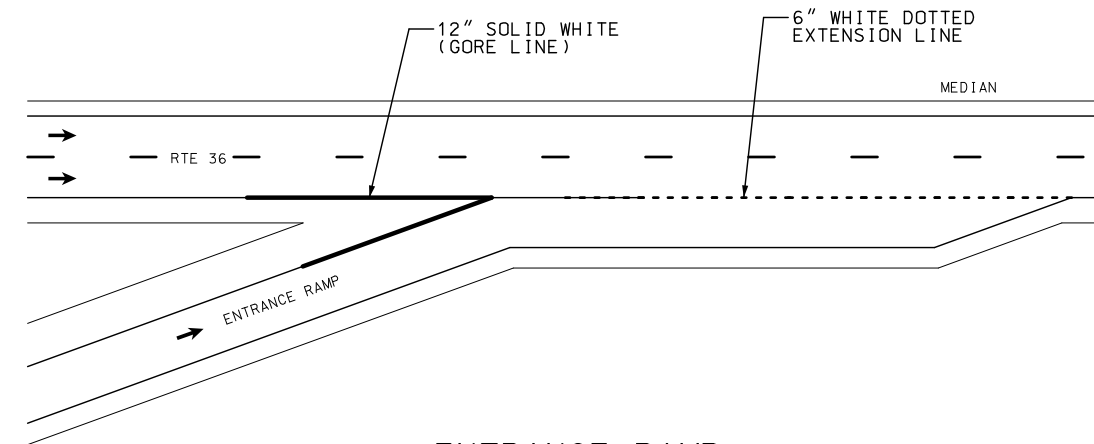


MEDIAN OPENING WITH DECEL LANES

NOTES: DOTTED EXTENSION LINE IS 3' STRIPE W/ 9' GAP. MATCH EXISTING STRIPING.



EXIT RAMP



ENTRANCE RAMP

DATE PREPARED: 12/2/2024

ROUTE: 36 STATE: MO

DISTRICT: NE SHEET NO.: 18

COUNTY: SHELBY/MARION

JOB NO.: JNE0210

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)

PAYEMENT MARKING SHEET 1 OF 1

NOT TO SCALE